

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18703-1
SDG No.: _____
Lab Sample ID: ICV 240-58097/16 Calibration Date: 09/18/2012 15:40
Instrument ID: A2HP1 Calib Start Date: 09/18/2012 13:18
GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 09/18/2012 15:16
Lab File ID: P1000016.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Pentachlorophenol	Lin1		1903997607		0.0104	0.0100	3.4	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18703-1
SDG No.: _____
Lab Sample ID: ICV 240-58097/16 Calibration Date: 09/18/2012 15:40
Instrument ID: A2HP1 Calib Start Date: 09/18/2012 13:18
GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 09/18/2012 15:16
Lab File ID: P1000016.D

Analyte	RT	RT WINDOW	
		FROM	TO
Pentachlorophenol	8.31	8.29	8.33

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP1\20120918-13294.b\P1000016.D
Lims ID: ICV PCP Client ID:
Inject. Date: 18-Sep-2012 15:40:18 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0013294-016
Misc. Info.:
Operator: 001754 Instrument ID: A2HP1
Injection Vol: 1.0 ul ALS Bottle#: 16
Lims Batch ID: 58097 Lims Sample ID: 16
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b
Method: \\NCChrom\ChromData\A2HP1\20120918-13294.b\8151_1.m
Last Update: 18-Sep-2012 19:47:16 Calib Date: 18-Sep-2012 15:16:51
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP1\20120918-13294.b\P1000015.D
Limit Group: GC 8151 DOD
Integrator: Falcon
Column Type: Column Dia:
Process Host: CORP-CTX-18

First Level Reviewer: roachc

Date: 18-Sep-2012 19:41:48

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

11 Pentachlorophenol M

1 8.312 8.312 0.000 19097096 0.0104

2 9.273 9.274 -0.001 7504100 0.009710 M

RPD = 6.59

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 18-Sep-2012 19:47:17

Chrom Revision: 2.0 21-Aug-2012 09:09:58

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP1\20120918-13294.b\P1000016.D

Injection Date: 18-Sep-2012 15:40:18

Limit Group: GC 8151 DOD

Client ID:

Instrument ID: A2HP1

Lims Batch ID: 58097

Lims Sample ID: 16

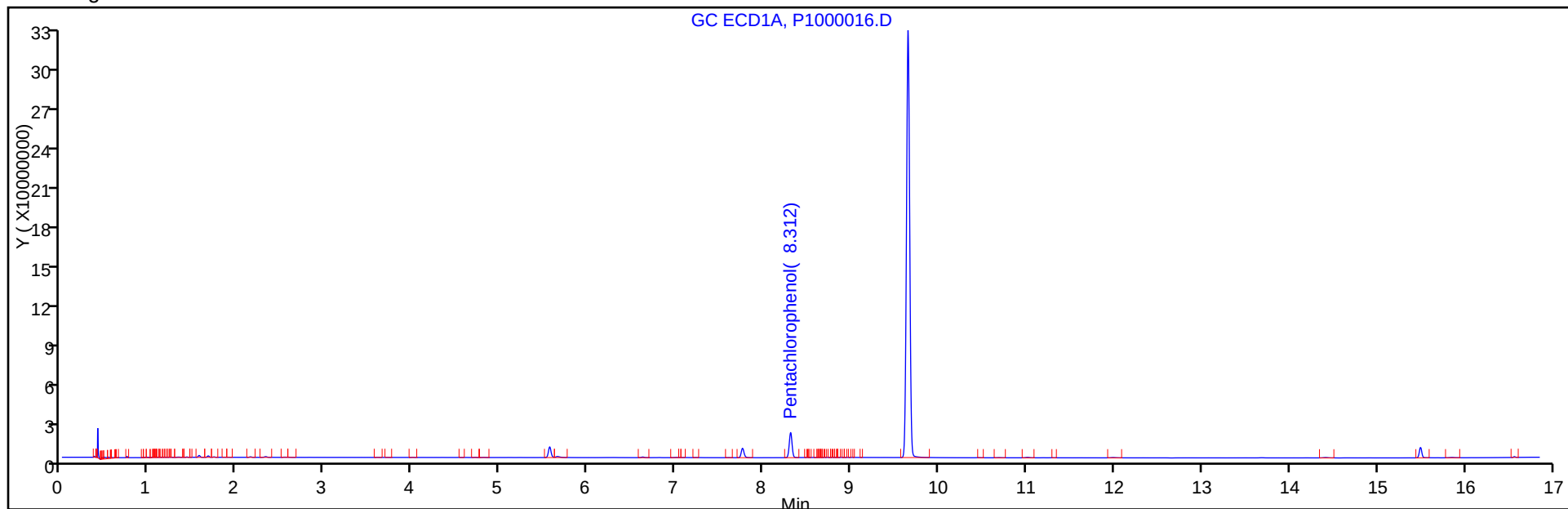
Operator ID: 001754

Injection Vol: 1.0 ul

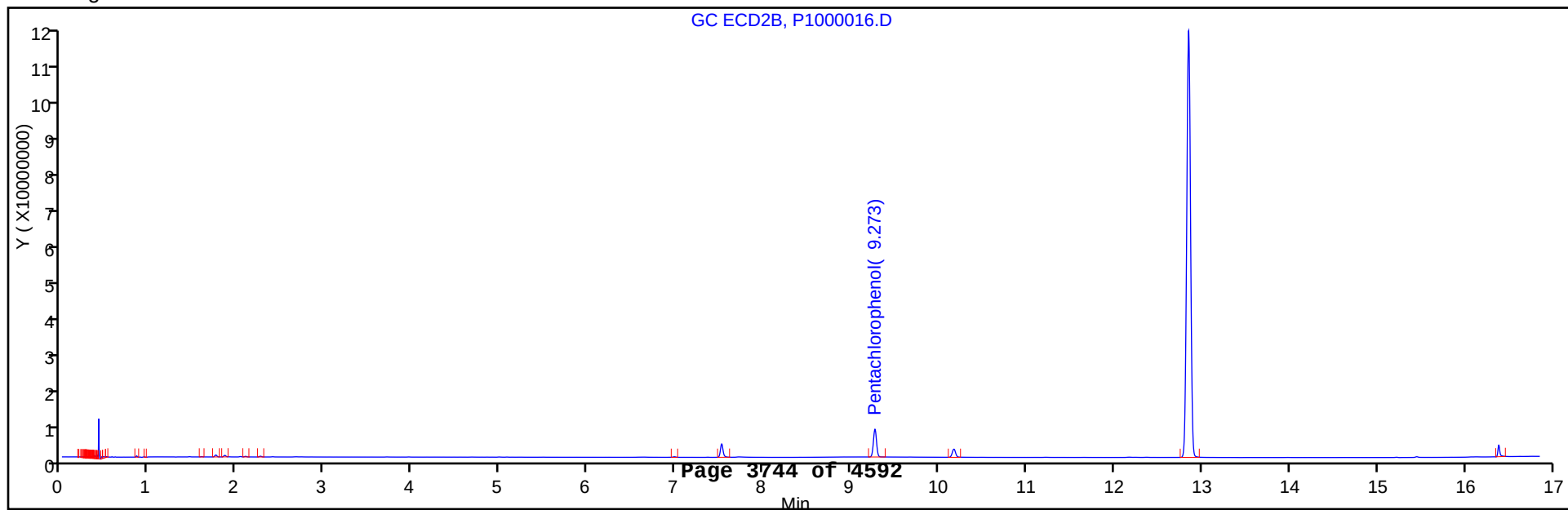
Column Type:

Column Dia:

Y Scaling:



Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18703-1
SDG No.: _____
Lab Sample ID: ICV 240-58097/16 Calibration Date: 09/18/2012 15:40
Instrument ID: A2HP1 Calib Start Date: 09/18/2012 13:18
GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 09/18/2012 15:16
Lab File ID: P1000016.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Pentachlorophenol	Lin1		748165503		0.00971	0.0100	-3.2	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18703-1
SDG No.: _____
Lab Sample ID: ICV 240-58097/16 Calibration Date: 09/18/2012 15:40
Instrument ID: A2HP1 Calib Start Date: 09/18/2012 13:18
GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 09/18/2012 15:16
Lab File ID: P1000016.D

Analyte	RT	RT WINDOW	
		FROM	TO
Pentachlorophenol	9.27	9.25	9.29

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP1\20120918-13294.b\P1000016.D
Lims ID: ICV PCP Client ID:
Inject. Date: 18-Sep-2012 15:40:18 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0013294-016
Misc. Info.:
Operator: 001754 Instrument ID: A2HP1
Injection Vol: 1.0 ul ALS Bottle#: 16
Lims Batch ID: 58097 Lims Sample ID: 16
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b
Method: \\NCChrom\ChromData\A2HP1\20120918-13294.b\8151_1.m
Last Update: 18-Sep-2012 19:47:16 Calib Date: 18-Sep-2012 15:16:51
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP1\20120918-13294.b\P1000015.D
Limit Group: GC 8151 DOD
Integrator: Falcon
Column Type: Column Dia:
Process Host: CORP-CTX-18

First Level Reviewer: roachc

Date: 18-Sep-2012 19:41:48

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

11 Pentachlorophenol M

1 8.312 8.312 0.000 19097096 0.0104

2 9.273 9.274 -0.001 7504100 0.009710 M

RPD = 6.59

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 18-Sep-2012 19:47:18

Chrom Revision: 2.0 21-Aug-2012 09:09:58

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP1\20120918-13294.b\P1000016.D

Injection Date: 18-Sep-2012 15:40:18

Limit Group: GC 8151 DOD

Client ID:

Instrument ID: A2HP1

Lims Batch ID: 58097

Lims Sample ID: 16

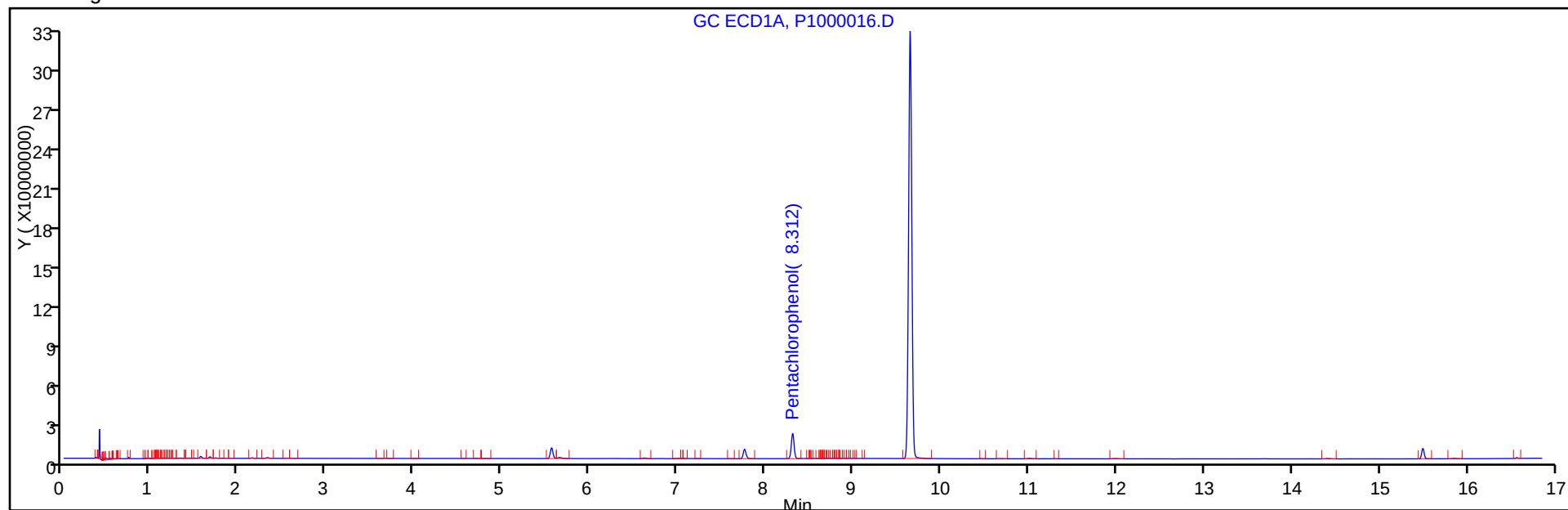
Operator ID: 001754

Injection Vol: 1.0 ul

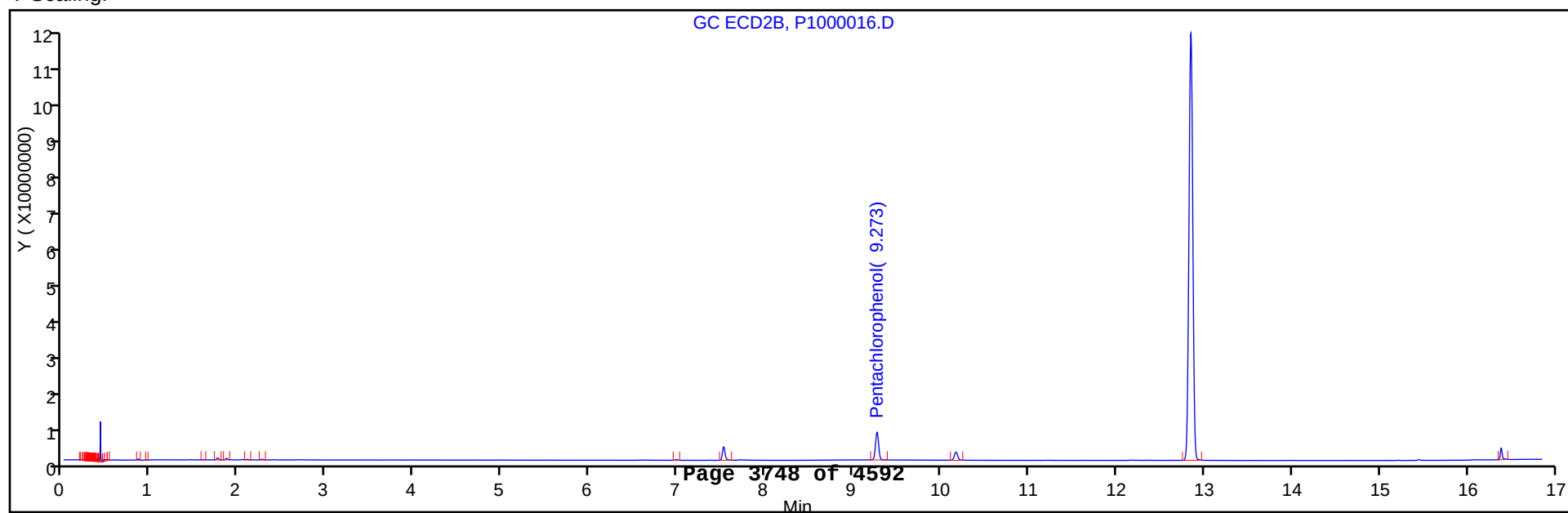
Column Type:

Column Dia:

Y Scaling:



Y Scaling:



TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP1\20120918-13294.b\P1000016.D

Injection Date: 18-Sep-2012 15:40:18

Limit Group: GC 8151 DOD

Client ID:

Instrument ID: A2HP1

Lims Batch ID: 58097

Lims Sample ID: 16

Operator ID: 001754

Injection Vol: 1.0 ul

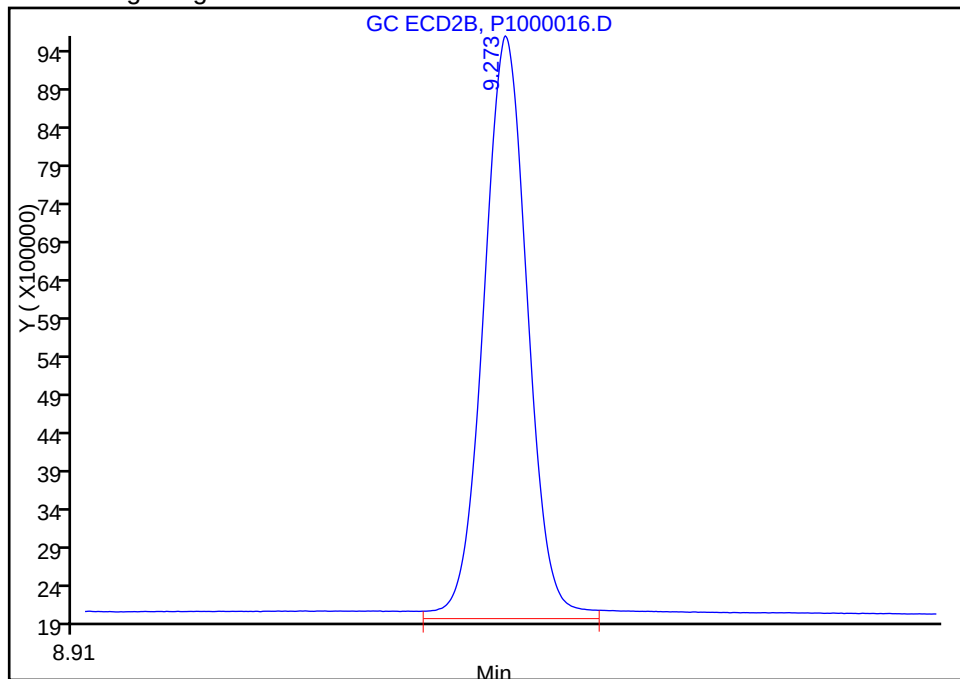
Column Type:

Column Dia:

11 Pentachlorophenol, Signal: 2, Type: quant, RT: 9.27, Det: GC ecd2b

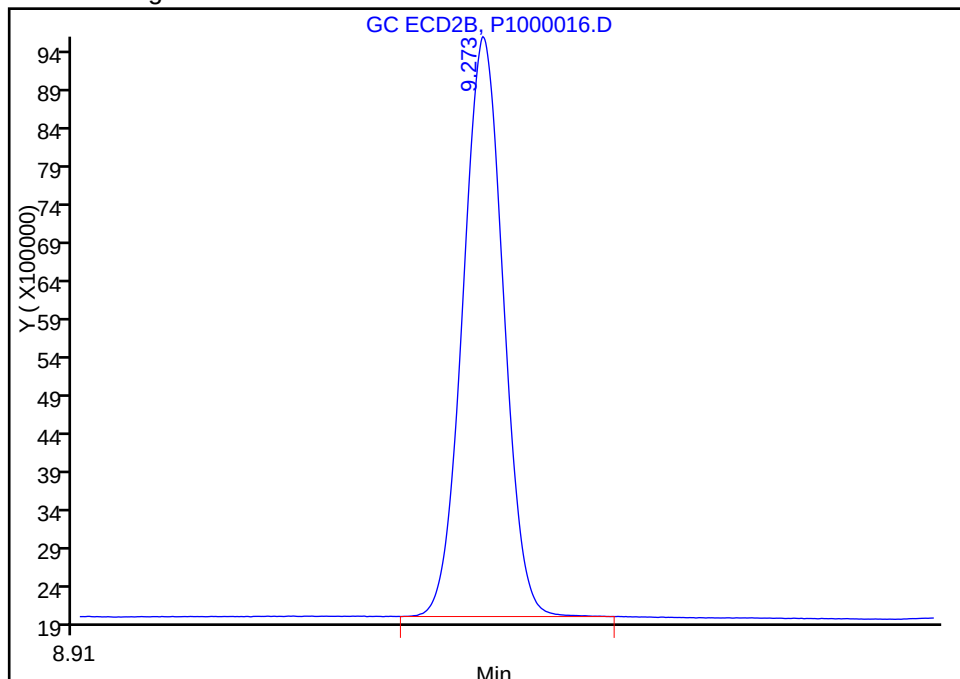
RT: 9.27
Response: 7598435
Amount: 0.010898

Processing Integration Results



RT: 9.27
Response: 7504100
Amount: 0.009710

Manual Integration Results



Reviewer: roachc, 18-Sep-2012 19:41:48

Audit Action: Manually Integrated

Audit Reason: Baseline Event

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18703-1

SDG No.: _____

Lab Sample ID: ICV 240-67147/12 Calibration Date: 12/03/2012 20:15

Instrument ID: A2HP1 Calib Start Date: 12/03/2012 17:53

GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 12/03/2012 19:52

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	457412034	430315614		0.0375	0.0399	-5.9	20.0
Dicamba	Ave	617859973	602030225		0.0390	0.0400	-2.6	20.0
MCPD	Qua		717995		8.72	8.00	9.1	20.0
MCPA	Qua		929091		8.60	8.00	7.5	20.0
Dichlorprop	Ave	138436820	148494013		0.0858	0.0800	7.3	20.0
2,4-D	Ave	150538188	155342050		0.0826	0.0800	3.2	20.0
Silvex (2,4,5-TP)	Ave	763444311	752046950		0.0197	0.0200	-1.5	20.0
2,4,5-T	Ave	613790425	631130100		0.0206	0.0200	2.8	20.0
2,4-DB	Ave	63842790	64037063		0.0802	0.0800	0.3	20.0
Dinoseb	Ave	505863757	519217500		0.0123	0.0120	2.6	20.0
2,4-Dichlorophenylacetic acid	Ave	149068897	148613575		0.0798	0.0800	-0.3	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18703-1
 SDG No.: _____
 Lab Sample ID: ICV 240-67147/12 Calibration Date: 12/03/2012 20:15
 Instrument ID: A2HP1 Calib Start Date: 12/03/2012 17:53
 GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 12/03/2012 19:52
 Lab File ID: P1000012.D

Analyte	RT	RT WINDOW	
		FROM	TO
Dalapon	1.25	1.23	1.27
Dicamba	7.15	7.13	7.17
MCPD	7.43	7.41	7.45
MCPA	7.59	7.57	7.61
Dichlorprop	7.96	7.94	7.98
2,4-D	8.20	8.18	8.22
Silvex (2,4,5-TP)	9.08	9.06	9.10
2,4,5-T	9.40	9.37	9.41
2,4-DB	10.02	10.00	10.04
Dinoseb	11.23	11.20	11.26
2,4-Dichlorophenylacetic acid	6.98	6.96	7.00

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP1\20121203-15481.b\P1000012.D
 Lims ID: ICV Corp Client ID:
 Inject. Date: 03-Dec-2012 20:15:46 Dil. Factor: 1.0000
 Sample Type: ICV
 Sample ID: 240-0015481-012
 Misc. Info.:
 Operator: 001754 Instrument ID: A2HP1
 Injection Vol: 1.0 ul ALS Bottle#: 12
 Lims Batch ID: 67147 Lims Sample ID: 12
 Sublist:
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCCChrom\ChromData\A2HP1\20121203-15481.b\8151_1.m
 Last Update: 04-Dec-2012 08:26:07 Calib Date: 03-Dec-2012 19:52:08
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D
 Limit Group: GC 8151 DOD
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK005

First Level Reviewer: roachc

Date:

04-Dec-2012 08:04:07

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

5 Dalapon

1	1.248	1.248	0.000	17169593	0.0375	
2	1.388	1.388	0.000	5259939	0.0362	
RPD = 3.61						

\$ 4 2,4-Dichlorophenylacetic acid

1	6.979	6.979	0.000	11889086	0.0798	
2	7.630	7.629	0.001	4739210	0.0763	
RPD = 4.37						

6 Dicamba

1	7.145	7.145	0.000	24081209	0.0390	
2	7.796	7.797	-0.001	9725861	0.0380	
RPD = 2.44						

10 MCPP

1	7.429	7.429	0.000	5743956	8.72	
2	7.981	7.982	-0.001	2303538	8.43	
RPD = 3.41						

9 MCPA

1	7.592	7.593	-0.001	7432728	8.60	
2	8.234	8.233	0.001	3092604	8.91	
RPD = 3.58						

7 Dichlorprop

1	7.964	7.964	0.000	11879521	0.0858	
2	8.595	8.594	0.001	4414561	0.0837	
RPD = 2.45						

2 2,4-D

1	8.203	8.202	0.001	12427364	0.0826	
2	8.951	8.950	0.001	5047212	0.0814	
RPD = 1.41						

Data File: \\NCCChrom\ChromData\A2HP1\20121203-15481.b\1000012.D

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
12 Silvex (2,4,5-TP)						
1	9.080	9.079	0.001	15040939	0.0197	M
2	9.890	9.889	0.001	5455084	0.0192	
RPD = 2.50						
1 2,4,5-T						
1	9.395	9.394	0.001	12622602	0.0206	
2	10.369	10.369	0.000	4759449	0.0196	
RPD = 4.72						
3 2,4-DB						
1	10.023	10.024	-0.001	5122965	0.0802	
2	11.018	11.019	-0.001	2054239	0.0773	
RPD = 3.69						
8 Dinoseb						
1	11.232	11.231	0.001	6230610	0.0123	
2	11.396	11.395	0.001	2263351	0.0117	
RPD = 5.10						

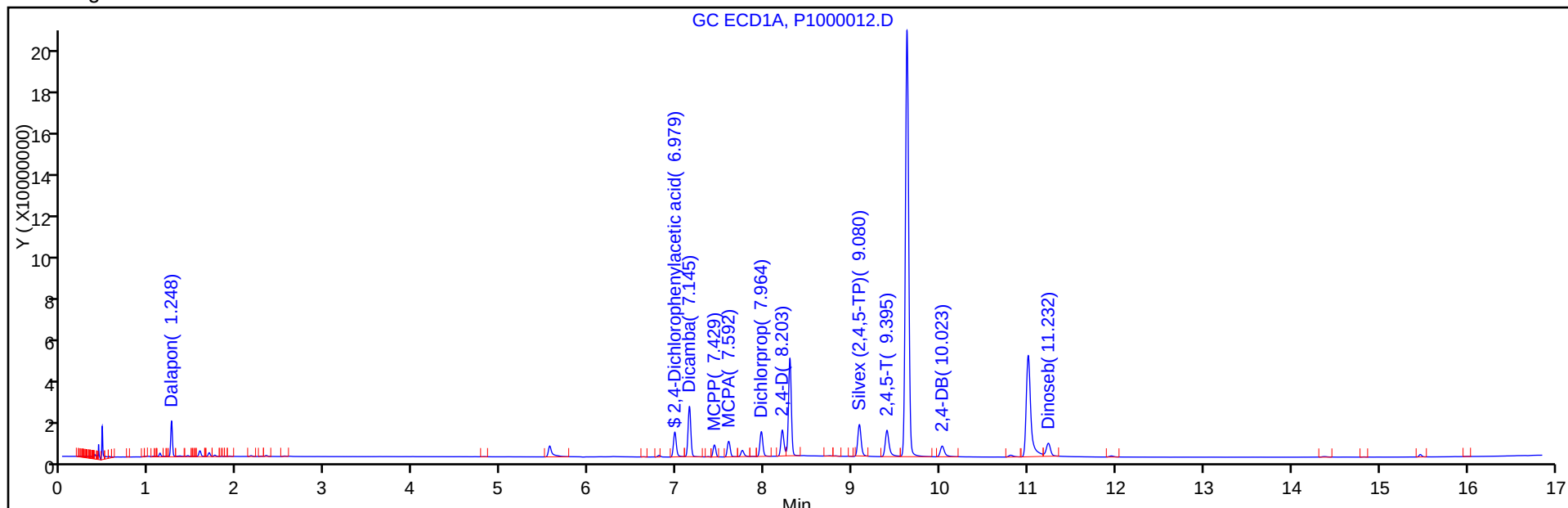
QC Flag Legend

Review Flags

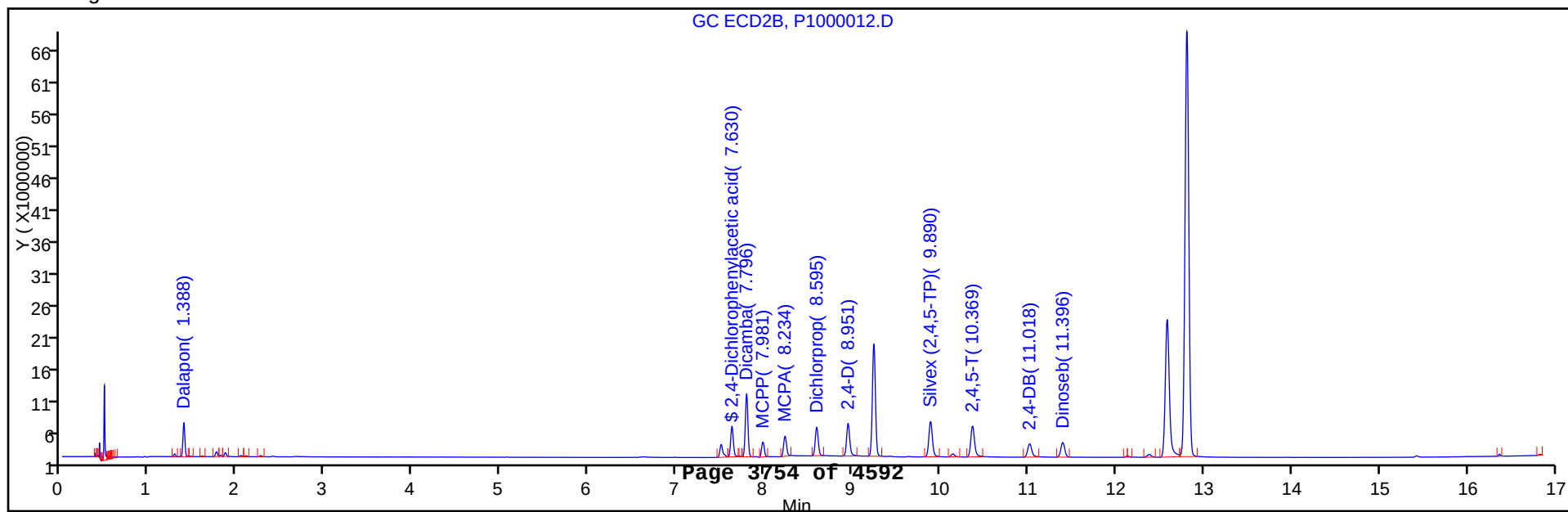
M - Manually Integrated

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP1\20121203-15481.b\P1000012.D
Injection Date: 03-Dec-2012 20:15:46 Limit Group: GC 8151 DOD
Client ID: Instrument ID: A2HP1
Lims Batch ID: 67147 Lims Sample ID: 12
Operator ID: 001754 Injection Vol: 1.0 ul
Column Type: Column Dia:
Y Scaling:



Y Scaling:



TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000012.D

Injection Date: 03-Dec-2012 20:15:46

Limit Group: GC 8151 DOD

Client ID:

Instrument ID: A2HP1

Lims Batch ID: 67147

Lims Sample ID: 12

Operator ID: 001754

Injection Vol: 1.0 ul

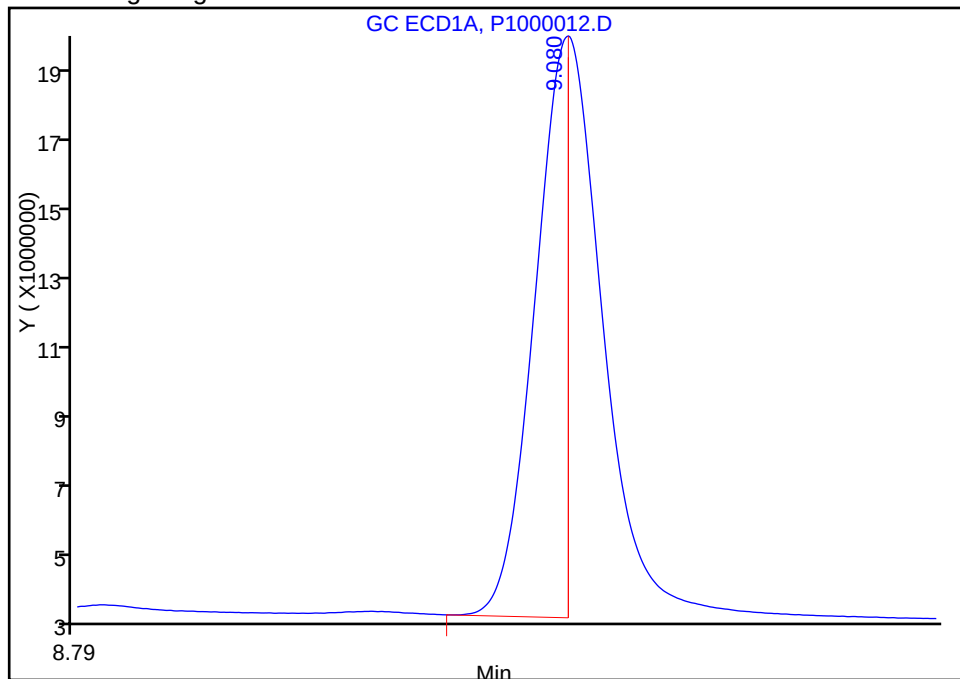
Column Type:

Column Dia:

12 Silvex (2,4,5-TP), Signal: 1, Type: quant, RT: 9.08, Det: GC ECD1A

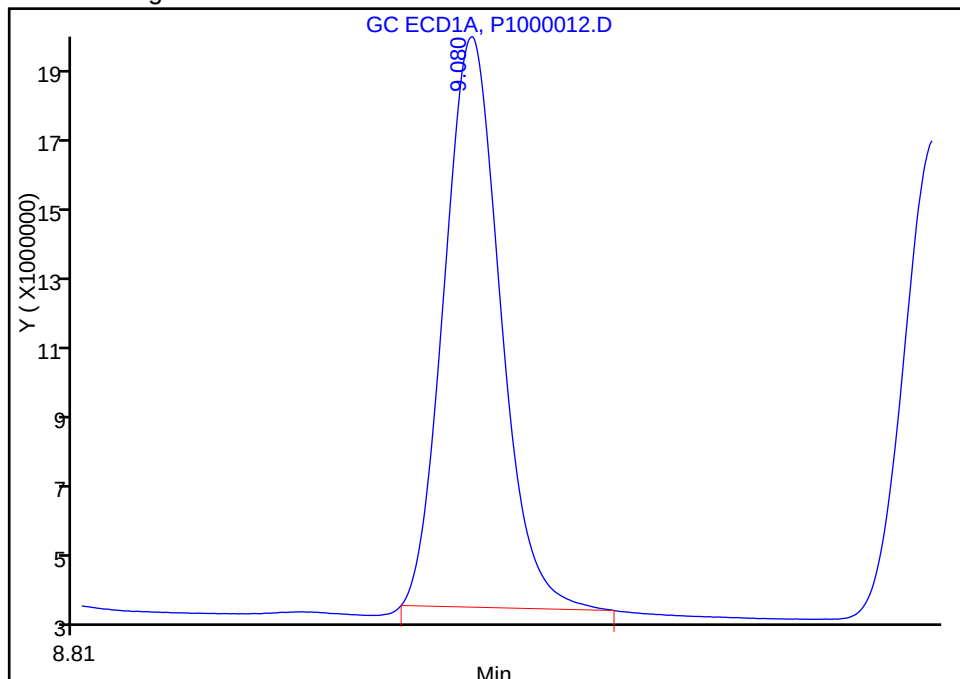
RT: 9.08
Response: 15334585
Amount: 0.020086

Processing Integration Results



RT: 9.08
Response: 15040939
Amount: 0.019701

Manual Integration Results



Reviewer: roachc, 04-Dec-2012 08:04:07

Audit Action: Manually Integrated

Audit Reason: Baseline Event

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18703-1
 SDG No.: _____
 Lab Sample ID: ICV 240-67147/12 Calibration Date: 12/03/2012 20:15
 Instrument ID: A2HP1 Calib Start Date: 12/03/2012 17:53
 GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 12/03/2012 19:52
 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	145285641	131828045		0.0362	0.0399	-9.3	20.0
Dicamba	Ave	255708069	243146525		0.0380	0.0400	-4.9	20.0
MCPP	Qua		287942		8.43	8.00	5.4	20.0
MCPA	Lin1		386576		8.91	8.00	11.4	20.0
Dichlorprop	Ave	52718146	55182013		0.0837	0.0800	4.7	20.0
2,4-D	Ave	62005138	63090150		0.0814	0.0800	1.7	20.0
Silvex (2,4,5-TP)	Ave	283903898	272754200		0.0192	0.0200	-3.9	20.0
2,4,5-T	Ave	242611790	237972450		0.0196	0.0200	-1.9	20.0
2,4-DB	Ave	26562352	25677988		0.0773	0.0800	-3.3	20.0
Dinoseb	Ave	193371382	188612583		0.0117	0.0120	-2.5	20.0
2,4-Dichlorophenylacetic acid	Ave	62078149	59240125		0.0763	0.0800	-4.6	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18703-1
 SDG No.: _____
 Lab Sample ID: ICV 240-67147/12 Calibration Date: 12/03/2012 20:15
 Instrument ID: A2HP1 Calib Start Date: 12/03/2012 17:53
 GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 12/03/2012 19:52
 Lab File ID: P1000012.D

Analyte	RT	RT WINDOW	
		FROM	TO
Dalapon	1.39	1.37	1.41
Dicamba	7.80	7.78	7.82
MCPPE	7.98	7.96	8.00
MCPA	8.23	8.21	8.25
Dichlorprop	8.60	8.57	8.61
2,4-D	8.95	8.93	8.97
Silvex (2,4,5-TP)	9.89	9.87	9.91
2,4,5-T	10.37	10.35	10.39
2,4-DB	11.02	11.00	11.04
Dinoseb	11.40	11.37	11.43
2,4-Dichlorophenylacetic acid	7.63	7.61	7.65

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP1\20121203-15481.b\P1000012.D
 Lims ID: ICV Corp Client ID:
 Inject. Date: 03-Dec-2012 20:15:46 Dil. Factor: 1.0000
 Sample Type: ICV
 Sample ID: 240-0015481-012
 Misc. Info.:
 Operator: 001754 Instrument ID: A2HP1
 Injection Vol: 1.0 ul ALS Bottle#: 12
 Lims Batch ID: 67147 Lims Sample ID: 12
 Sublist:
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCCChrom\ChromData\A2HP1\20121203-15481.b\8151_1.m
 Last Update: 04-Dec-2012 08:26:07 Calib Date: 03-Dec-2012 19:52:08
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D
 Limit Group: GC 8151 DOD
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK005

First Level Reviewer: roachc

Date:

04-Dec-2012 08:04:07

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

5 Dalapon

1	1.248	1.248	0.000	17169593	0.0375	
2	1.388	1.388	0.000	5259939	0.0362	
RPD = 3.61						

\$ 4 2,4-Dichlorophenylacetic acid

1	6.979	6.979	0.000	11889086	0.0798	
2	7.630	7.629	0.001	4739210	0.0763	
RPD = 4.37						

6 Dicamba

1	7.145	7.145	0.000	24081209	0.0390	
2	7.796	7.797	-0.001	9725861	0.0380	
RPD = 2.44						

10 MCPP

1	7.429	7.429	0.000	5743956	8.72	
2	7.981	7.982	-0.001	2303538	8.43	
RPD = 3.41						

9 MCPA

1	7.592	7.593	-0.001	7432728	8.60	
2	8.234	8.233	0.001	3092604	8.91	
RPD = 3.58						

7 Dichlorprop

1	7.964	7.964	0.000	11879521	0.0858	
2	8.595	8.594	0.001	4414561	0.0837	
RPD = 2.45						

2 2,4-D

1	8.203	8.202	0.001	12427364	0.0826	
2	8.951	8.950	0.001	5047212	0.0814	
RPD = 1.41						

Data File: \\NCCChrom\ChromData\A2HP1\20121203-15481.b\1000012.D

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
12 Silvex (2,4,5-TP)						
1	9.080	9.079	0.001	15040939	0.0197	M
2	9.890	9.889	0.001	5455084	0.0192	
RPD = 2.50						
1 2,4,5-T						
1	9.395	9.394	0.001	12622602	0.0206	
2	10.369	10.369	0.000	4759449	0.0196	
RPD = 4.72						
3 2,4-DB						
1	10.023	10.024	-0.001	5122965	0.0802	
2	11.018	11.019	-0.001	2054239	0.0773	
RPD = 3.69						
8 Dinoseb						
1	11.232	11.231	0.001	6230610	0.0123	
2	11.396	11.395	0.001	2263351	0.0117	
RPD = 5.10						

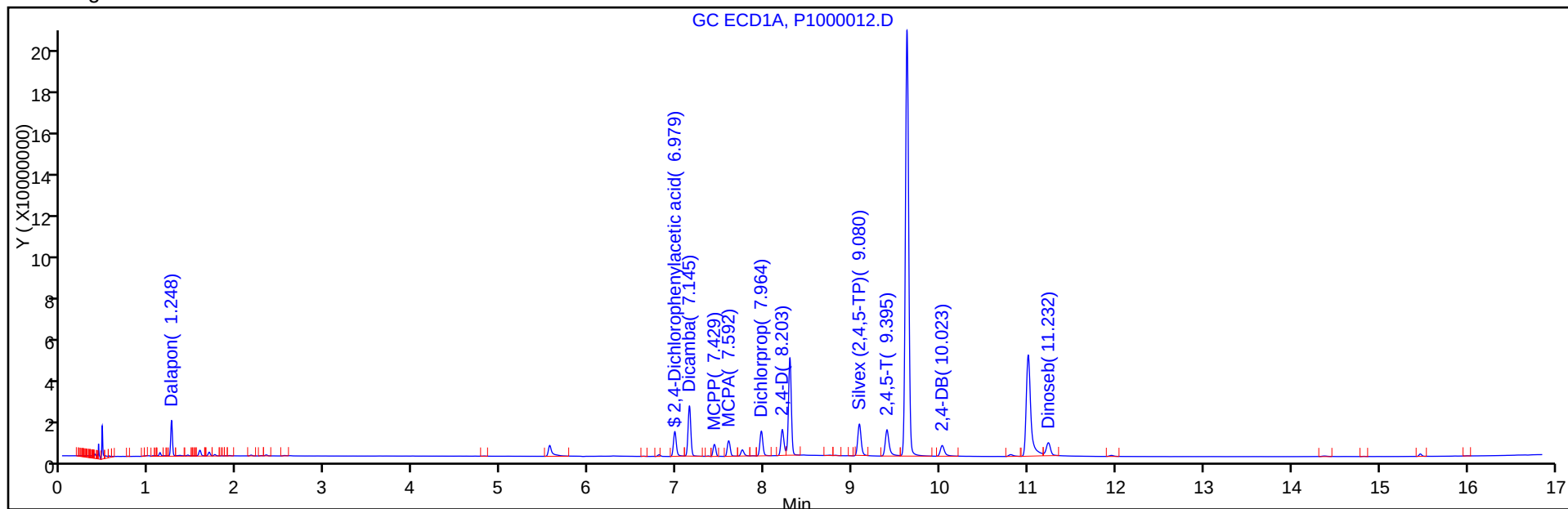
QC Flag Legend

Review Flags

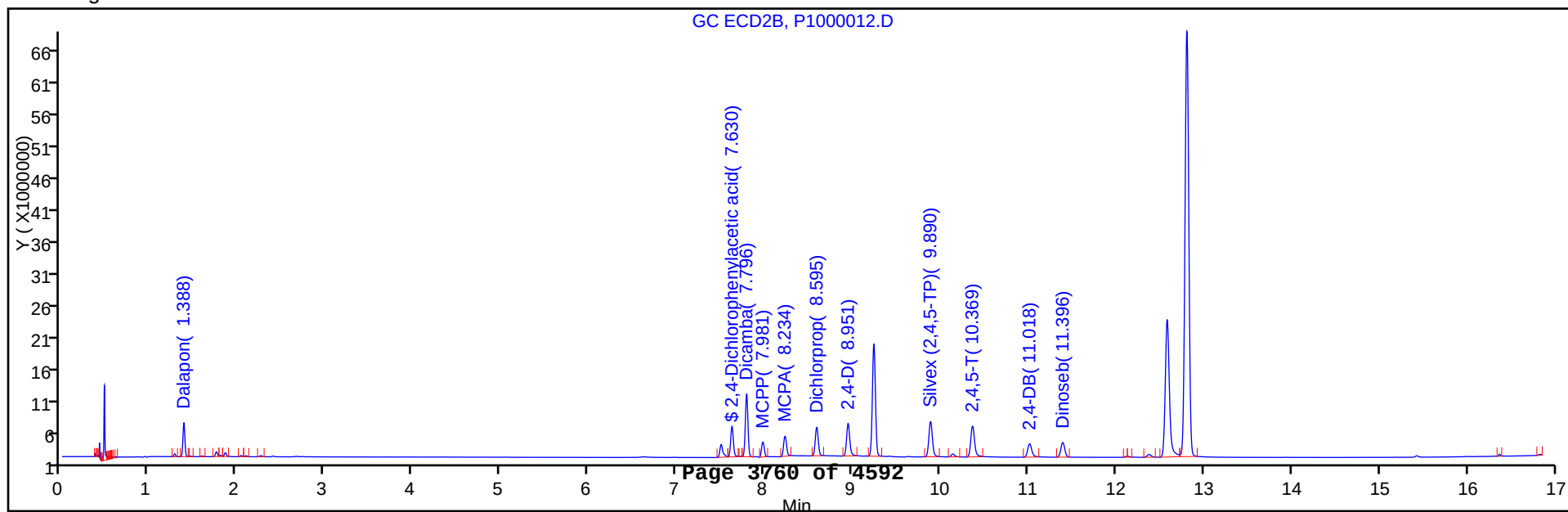
M - Manually Integrated

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP1\20121203-15481.b\P1000012.D
Injection Date: 03-Dec-2012 20:15:46 Limit Group: GC 8151 DOD
Client ID: Instrument ID: A2HP1
Lims Batch ID: 67147 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.: 240-18703-1
 SDG No.: _____
 Lab Sample ID: CCV 240-68956/5 Calibration Date: 12/17/2012 11:33
 Instrument ID: A2HP1 Calib Start Date: 12/03/2012 17:53
 GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 12/03/2012 19:52
 Lab File ID: P1000005.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dalapon	Ave	457412034	474459400		0.0415	0.0400	3.7	20.0
Dicamba	Ave	617859973	645947825		0.0418	0.0400	4.5	20.0
MCPD	Qua		747930		9.20	8.00	15.0	20.0
MCPA	Qua		963466		9.04	8.00	13.1	20.0
Dichlorprop	Ave	138436820	142557000		0.0824	0.0800	3.0	20.0
2,4-D	Ave	150538188	128499950		0.0683	0.0800	-14.6	20.0
Silvex (2,4,5-TP)	Ave	763444311	730740200		0.0191	0.0200	-4.3	20.0
2,4,5-T	Ave	613790425	492037400		0.0160	0.0200	-19.8	20.0
2,4-DB	Ave	63842790	50477075		0.0633	0.0800	-20.9*	20.0
Dinoseb	Ave	505863757	476838250		0.0113	0.0120	-5.7	20.0
2,4-Dichlorophenylacetic acid	Ave	149068897	149273750		0.0801	0.0800	0.1	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18703-1
 SDG No.: _____
 Lab Sample ID: CCV 240-68956/5 Calibration Date: 12/17/2012 11:33
 Instrument ID: A2HP1 Calib Start Date: 12/03/2012 17:53
 GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 12/03/2012 19:52
 Lab File ID: P1000005.D

Analyte	RT	RT WINDOW	
		FROM	TO
Dalapon	1.26	1.24	1.28
Dicamba	7.17	7.15	7.19
MCPD	7.45	7.43	7.47
MCPA	7.61	7.59	7.63
Dichlorprop	7.99	7.97	8.01
2,4-D	8.23	8.21	8.25
Silvex (2,4,5-TP)	9.11	9.09	9.13
2,4,5-T	9.43	9.41	9.45
2,4-DB	10.06	10.04	10.08
Dinoseb	11.27	11.24	11.30
2,4-Dichlorophenylacetic acid	7.00	6.98	7.02

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP1\20121217-15910.b\P1000005.D
 Lims ID: CCV Client ID:
 Inject. Date: 17-Dec-2012 11:33:32 Dil. Factor: 1.0000
 Sample Type: CCVRT
 Sample ID: 240-0015910-005
 Misc. Info.:
 Operator: 001754 Instrument ID: A2HP1
 Injection Vol: 1.0 ul ALS Bottle#: 5
 Lims Batch ID: 68956 Lims Sample ID: 5
 Sublist: chrom-8151_1*sub2
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCCChrom\ChromData\A2HP1\20121217-15910.b\8151_1.m
 Last Update: 19-Dec-2012 14:58:04 Calib Date: 03-Dec-2012 19:52:08
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D
 Limit Group: GC 8151 DOD
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK014

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

5 Dalapon

1	1.262	1.262	0.000	18978376	0.0415	
2	1.394	1.394	0.000	6273242	0.0432	
RPD = 3.99						

\$ 4 2,4-Dichlorophenylacetic acid

1	7.001	7.001	0.000	11941900	0.0801	
2	7.636	7.636	0.000	5119002	0.0825	
RPD = 2.89						

6 Dicamba

1	7.167	7.167	0.000	25837913	0.0418	
2	7.802	7.802	0.000	10925295	0.0427	
RPD = 2.15						

10 MCPP

1	7.451	7.451	0.000	5983439	9.20	
2	7.988	7.988	0.000	2457851	9.15	
RPD = 0.58						

9 MCPA

1	7.613	7.613	0.000	7707725	9.04	
2	8.241	8.241	0.000	3281792	9.64	
RPD = 6.33						

7 Dichlorprop

1	7.986	7.986	0.000	11404560	0.0824	
2	8.602	8.602	0.000	4310223	0.0818	
RPD = 0.76						

2 2,4-D

1	8.231	8.231	0.000	10279996	0.0683	
2	8.962	8.962	0.000	4647950	0.0750	
RPD = 9.32						

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

12 Silvex (2,4,5-TP)

1	9.109	9.109	0.000	14614804	0.0191	
2	9.900	9.900	0.000	5616154	0.0198	
RPD = 3.28						

1 2,4,5-T

1	9.432	9.432	0.000	9840748	0.0160	
2	10.382	10.382	0.000	4333332	0.0179	
RPD = 10.79						

3 2,4-DB

1	10.064	10.064	0.000	4038166	0.0633	
2	11.035	11.035	0.000	1904939	0.0717	
RPD = 12.54						

8 Dinoseb

1	11.272	11.272	0.000	5722059	0.0113	
2	11.411	11.411	0.000	2191287	0.0113	
RPD = 0.18						

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP1\20121217-15910.b\P1000005.D

Injection Date: 17-Dec-2012 11:33:32

Limit Group: GC 8151 DOD

Client ID:

Instrument ID: A2HP1

Lims Batch ID: 68956

Lims Sample ID: 5

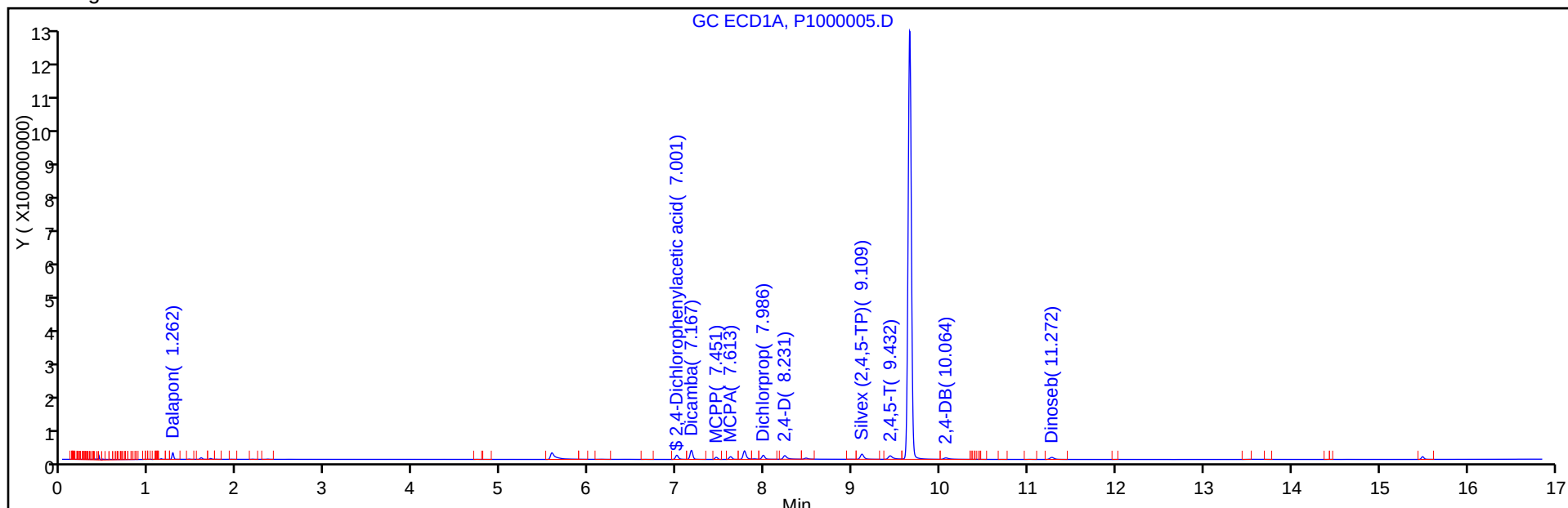
Operator ID: 001754

Injection Vol: 1.0 ul

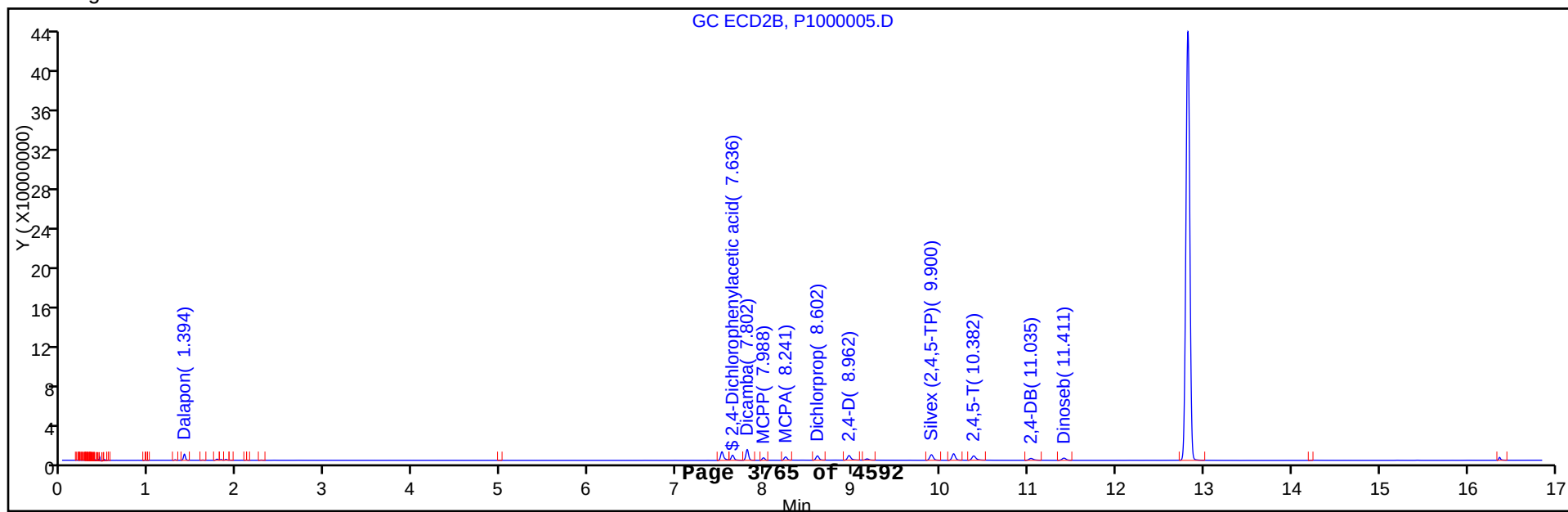
Column Type:

Column Dia:

Y Scaling:



Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18703-1
 SDG No.: _____
 Lab Sample ID: CCV 240-68956/5 Calibration Date: 12/17/2012 11:33
 Instrument ID: A2HP1 Calib Start Date: 12/03/2012 17:53
 GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 12/03/2012 19:52
 Lab File ID: P1000005.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dalapon	Ave	145285641	156831050		0.0432	0.0400	7.9	20.0
Dicamba	Ave	255708069	273132375		0.0427	0.0400	6.8	20.0
MCPD	Qua		307231		9.15	8.00	14.4	20.0
MCPA	Lin1		410224		9.64	8.00	20.4*	20.0
Dichlorprop	Ave	52718146	53877788		0.0818	0.0800	2.2	20.0
2,4-D	Ave	62005138	58099375		0.0750	0.0800	-6.3	20.0
Silvex (2,4,5-TP)	Ave	283903898	280807700		0.0198	0.0200	-1.1	20.0
2,4,5-T	Ave	242611790	216666600		0.0179	0.0200	-10.7	20.0
2,4-DB	Ave	26562352	23811738		0.0717	0.0800	-10.4	20.0
Dinoseb	Ave	193371382	182607250		0.0113	0.0120	-5.6	20.0
2,4-Dichlorophenylacetic acid	Ave	62078149	63987525		0.0825	0.0800	3.1	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18703-1
 SDG No.: _____
 Lab Sample ID: CCV 240-68956/5 Calibration Date: 12/17/2012 11:33
 Instrument ID: A2HP1 Calib Start Date: 12/03/2012 17:53
 GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 12/03/2012 19:52
 Lab File ID: P1000005.D

Analyte	RT	RT WINDOW	
		FROM	TO
Dalapon	1.39	1.37	1.41
Dicamba	7.80	7.78	7.82
MCPPE	7.99	7.97	8.01
MCPA	8.24	8.22	8.26
Dichlorprop	8.60	8.58	8.62
2,4-D	8.96	8.94	8.98
Silvex (2,4,5-TP)	9.90	9.88	9.92
2,4,5-T	10.38	10.36	10.40
2,4-DB	11.04	11.02	11.06
Dinoseb	11.41	11.38	11.44
2,4-Dichlorophenylacetic acid	7.64	7.62	7.66

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP1\20121217-15910.b\P1000005.D
 Lims ID: CCV Client ID:
 Inject. Date: 17-Dec-2012 11:33:32 Dil. Factor: 1.0000
 Sample Type: CCVRT
 Sample ID: 240-0015910-005
 Misc. Info.:
 Operator: 001754 Instrument ID: A2HP1
 Injection Vol: 1.0 ul ALS Bottle#: 5
 Lims Batch ID: 68956 Lims Sample ID: 5
 Sublist: chrom-8151_1*sub2
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCCChrom\ChromData\A2HP1\20121217-15910.b\8151_1.m
 Last Update: 19-Dec-2012 14:58:04 Calib Date: 03-Dec-2012 19:52:08
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D
 Limit Group: GC 8151 DOD
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK014

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

5 Dalapon

1	1.262	1.262	0.000	18978376	0.0415	
2	1.394	1.394	0.000	6273242	0.0432	
RPD = 3.99						

\$ 4 2,4-Dichlorophenylacetic acid

1	7.001	7.001	0.000	11941900	0.0801	
2	7.636	7.636	0.000	5119002	0.0825	
RPD = 2.89						

6 Dicamba

1	7.167	7.167	0.000	25837913	0.0418	
2	7.802	7.802	0.000	10925295	0.0427	
RPD = 2.15						

10 MCPP

1	7.451	7.451	0.000	5983439	9.20	
2	7.988	7.988	0.000	2457851	9.15	
RPD = 0.58						

9 MCPA

1	7.613	7.613	0.000	7707725	9.04	
2	8.241	8.241	0.000	3281792	9.64	
RPD = 6.33						

7 Dichlorprop

1	7.986	7.986	0.000	11404560	0.0824	
2	8.602	8.602	0.000	4310223	0.0818	
RPD = 0.76						

2 2,4-D

1	8.231	8.231	0.000	10279996	0.0683	
2	8.962	8.962	0.000	4647950	0.0750	
RPD = 9.32						

Data File: \\NCCchrom\ChromData\A2HP1\20121217-15910.b\1000005.D

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

12 Silvex (2,4,5-TP)

1 9.109 9.109 0.000 14614804 0.0191

2 9.900 9.900 0.000 5616154 0.0198

RPD = 3.28

1 2,4,5-T

1 9.432 9.432 0.000 9840748 0.0160

2 10.382 10.382 0.000 4333332 0.0179

RPD = 10.79

3 2,4-DB

1 10.064 10.064 0.000 4038166 0.0633

2 11.035 11.035 0.000 1904939 0.0717

RPD = 12.54

8 Dinoseb

1 11.272 11.272 0.000 5722059 0.0113

2 11.411 11.411 0.000 2191287 0.0113

RPD = 0.18

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP1\20121217-15910.b\P1000005.D

Injection Date: 17-Dec-2012 11:33:32

Limit Group: GC 8151 DOD

Client ID:

Instrument ID: A2HP1

Lims Batch ID: 68956

Lims Sample ID: 5

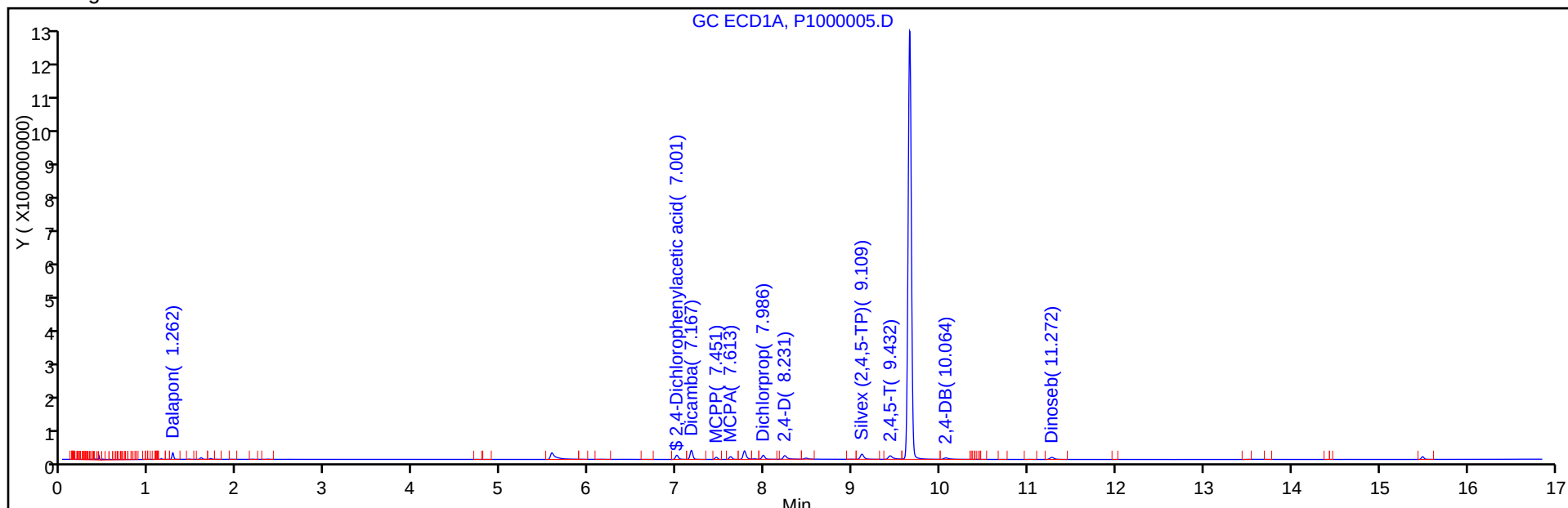
Operator ID: 001754

Injection Vol: 1.0 ul

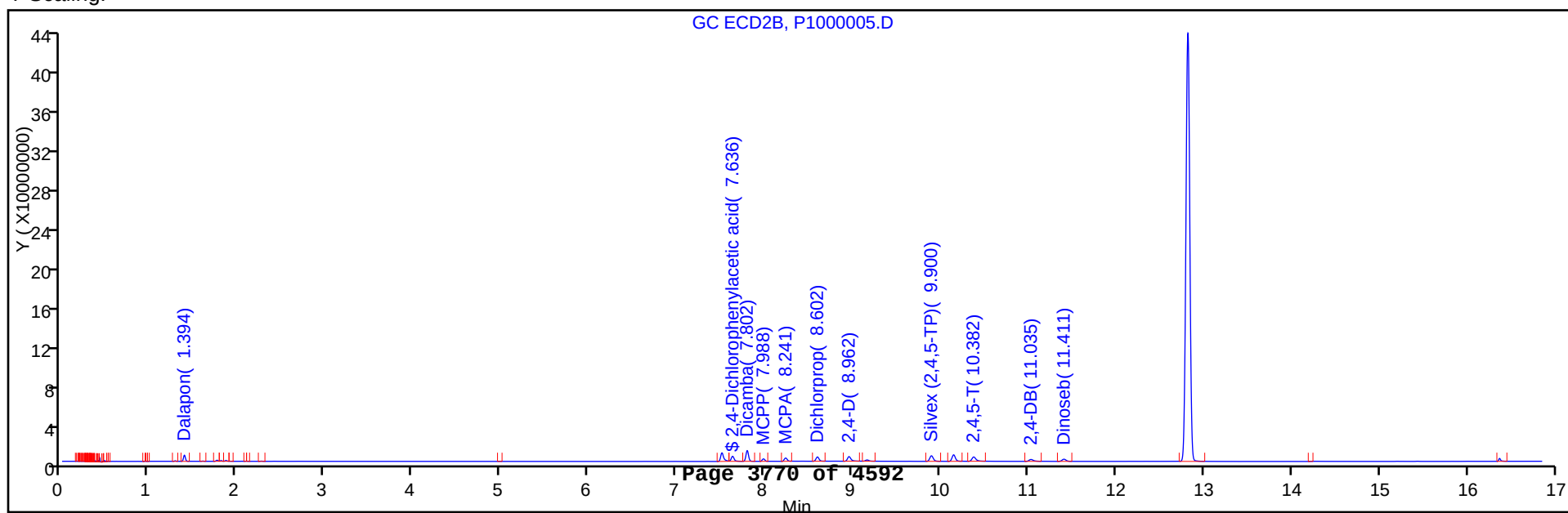
Column Type:

Column Dia:

Y Scaling:



Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18703-1
 SDG No.: _____
 Lab Sample ID: CCV 240-68956/10 Calibration Date: 12/17/2012 13:31
 Instrument ID: A2HP1 Calib Start Date: 12/03/2012 17:53
 GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 12/03/2012 19:52
 Lab File ID: P1000010.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dalapon	Ave	457412034	483791725		0.0423	0.0400	5.8	20.0
Dicamba	Ave	617859973	669033000		0.0433	0.0400	8.3	20.0
MCPD	Qua		755346		9.32	8.00	16.5	20.0
MCPA	Qua		976818		9.22	8.00	15.2	20.0
Dichlorprop	Ave	138436820	144973363		0.0838	0.0800	4.7	20.0
2,4-D	Ave	150538188	146607375		0.0779	0.0800	-2.6	20.0
Silvex (2,4,5-TP)	Ave	763444311	779097800		0.0204	0.0200	2.1	20.0
2,4,5-T	Ave	613790425	577790800		0.0188	0.0200	-5.9	20.0
2,4-DB	Ave	63842790	59574013		0.0747	0.0800	-6.7	20.0
Dinoseb	Ave	505863757	509697667		0.0121	0.0120	0.8	20.0
2,4-Dichlorophenylacetic acid	Ave	149068897	155323138		0.0834	0.0800	4.2	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18703-1
SDG No.: _____
Lab Sample ID: CCV 240-68956/10 Calibration Date: 12/17/2012 13:31
Instrument ID: A2HP1 Calib Start Date: 12/03/2012 17:53
GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 12/03/2012 19:52
Lab File ID: P1000010.D

Analyte	RT	RT WINDOW	
		FROM	TO
Dalapon	1.26	1.24	1.28
Dicamba	7.17	7.15	7.19
MCPD	7.45	7.43	7.47
MCPA	7.62	7.60	7.64
Dichloroprop	7.99	7.97	8.01
2,4-D	8.23	8.21	8.25
Silvex (2,4,5-TP)	9.11	9.09	9.13
2,4,5-T	9.43	9.41	9.45
2,4-DB	10.06	10.04	10.08
Dinoseb	11.27	11.24	11.30
2,4-Dichlorophenylacetic acid	7.00	6.98	7.02

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP1\20121217-15910.b\P1000010.D
 Lims ID: CCV Client ID:
 Inject. Date: 17-Dec-2012 13:31:30 Dil. Factor: 1.0000
 Sample Type: CCV
 Sample ID: 240-0015910-010
 Misc. Info.:
 Operator: 001754 Instrument ID: A2HP1
 Injection Vol: 1.0 ul ALS Bottle#: 10
 Lims Batch ID: 68956 Lims Sample ID: 10
 Sublist: chrom-8151_1*sub2
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCCChrom\ChromData\A2HP1\20121217-15910.b\8151_1.m
 Last Update: 18-Dec-2012 09:30:58 Calib Date: 03-Dec-2012 19:52:08
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D
 Limit Group: GC 8151 DOD
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK012

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

5 Dalapon

1	1.263	1.263	0.000	19351669	0.0423	
2	1.394	1.394	0.000	6458397	0.0445	
RPD = 4.95						

\$ 4 2,4-Dichlorophenylacetic acid

1	7.003	7.003	0.000	12425851	0.0834	
2	7.637	7.637	0.000	5326592	0.0858	
RPD = 2.89						

6 Dicamba

1	7.168	7.168	0.000	26761320	0.0433	
2	7.804	7.804	0.000	11268760	0.0441	
RPD = 1.73						

10 MCPP

1	7.453	7.453	0.000	6042768	9.32	
2	7.990	7.990	0.000	2543307	9.55	
RPD = 2.41						

9 MCPA

1	7.616	7.616	0.000	7814543	9.22	
2	8.241	8.241	0.000	3382976	10.0	
RPD = 8.38						

7 Dichlorprop

1	7.988	7.988	0.000	11597869	0.0838	
2	8.603	8.603	0.000	4513243	0.0856	
RPD = 2.16						

2 2,4-D

1	8.228	8.228	0.000	11728590	0.0779	
2	8.962	8.962	0.000	5125101	0.0827	
RPD = 5.91						

Data File: \\NCCChrom\ChromData\A2HP1\20121217-15910.b\1000010.D

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

12 Silvex (2,4,5-TP)

1 9.109 9.109 0.000 15581956 0.0204

2 9.903 9.903 0.000 5875523 0.0207

RPD = 1.39

1 2,4,5-T

1 9.428 9.428 0.000 11555816 0.0188

2 10.381 10.381 0.000 4905965 0.0202

RPD = 7.14

3 2,4-DB

1 10.059 10.059 0.000 4765921 0.0747

2 11.034 11.034 0.000 2163075 0.0814

RPD = 8.69

8 Dinoseb

1 11.272 11.272 0.000 6116372 0.0121

2 11.412 11.412 0.000 2352235 0.0122

RPD = 0.61

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP1\20121217-15910.b\P1000010.D

Injection Date: 17-Dec-2012 13:31:30

Limit Group: GC 8151 DOD

Client ID:

Instrument ID: A2HP1

Lims Batch ID: 68956

Lims Sample ID: 10

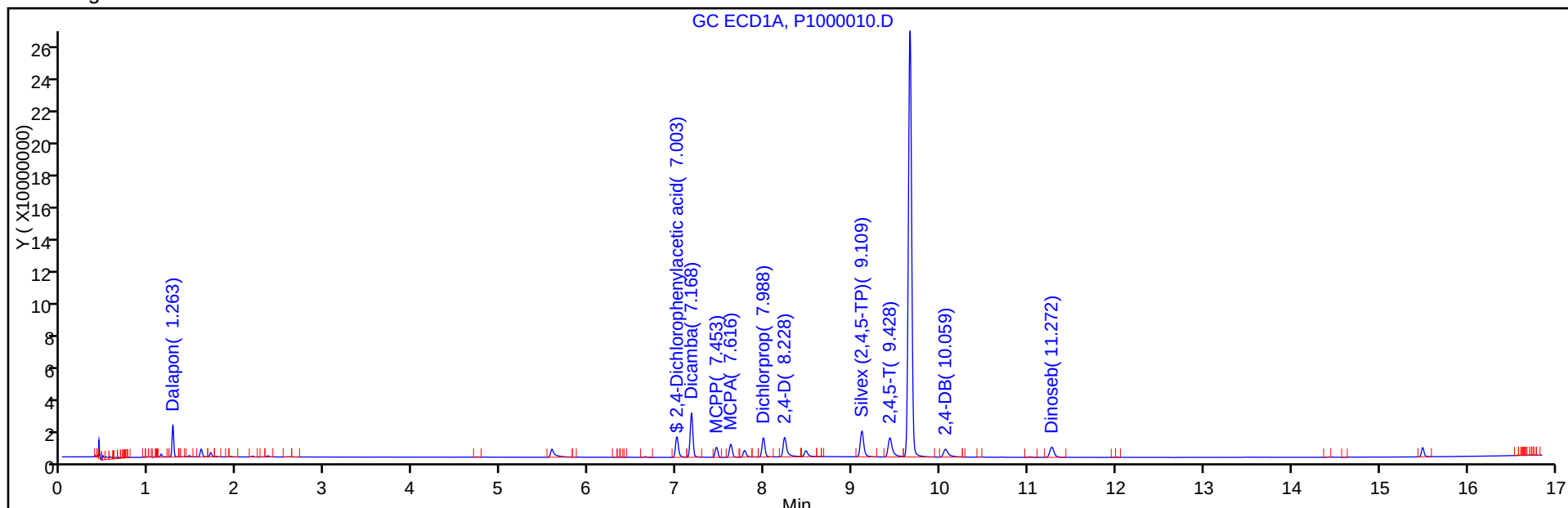
Operator ID: 001754

Injection Vol: 1.0 ul

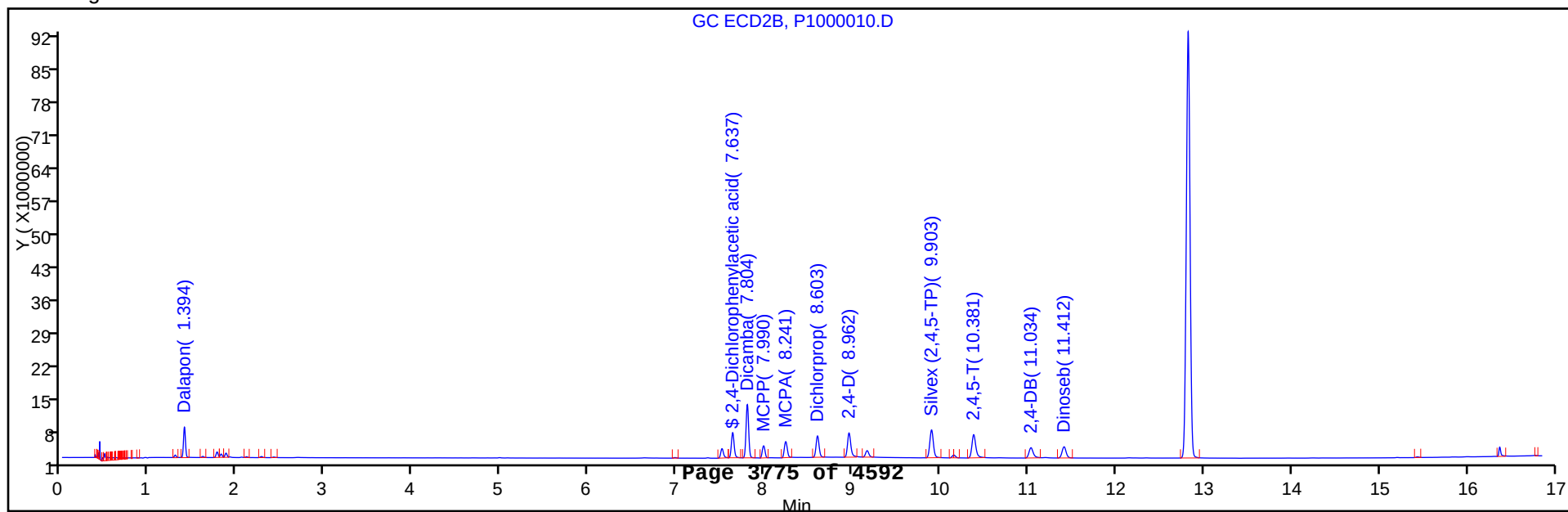
Column Type:

Column Dia:

Y Scaling:



Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18703-1
 SDG No.: _____
 Lab Sample ID: CCV 240-68956/10 Calibration Date: 12/17/2012 13:31
 Instrument ID: A2HP1 Calib Start Date: 12/03/2012 17:53
 GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 12/03/2012 19:52
 Lab File ID: P1000010.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dalapon	Ave	145285641	161459925		0.0445	0.0400	11.1	20.0
Dicamba	Ave	255708069	281719000		0.0441	0.0400	10.2	20.0
MCPD	Qua		317913		9.55	8.00	19.4	20.0
MCPA	Lin1		422872		10.0	8.00	25.3*	20.0
Dichlorprop	Ave	52718146	56415538		0.0856	0.0800	7.0	20.0
2,4-D	Ave	62005138	64063763		0.0827	0.0800	3.3	20.0
Silvex (2,4,5-TP)	Ave	283903898	293776150		0.0207	0.0200	3.5	20.0
2,4,5-T	Ave	242611790	245298250		0.0202	0.0200	1.1	20.0
2,4-DB	Ave	26562352	27038438		0.0814	0.0800	1.8	20.0
Dinoseb	Ave	193371382	196019583		0.0122	0.0120	1.4	20.0
2,4-Dichlorophenylacetic acid	Ave	62078149	66582400		0.0858	0.0800	7.3	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18703-1
SDG No.: _____
Lab Sample ID: CCV 240-68956/10 Calibration Date: 12/17/2012 13:31
Instrument ID: A2HP1 Calib Start Date: 12/03/2012 17:53
GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 12/03/2012 19:52
Lab File ID: P1000010.D

Analyte	RT	RT WINDOW	
		FROM	TO
Dalapon	1.39	1.37	1.41
Dicamba	7.80	7.78	7.82
MCPD	7.99	7.97	8.01
MCPA	8.24	8.22	8.26
Dichloroprop	8.60	8.58	8.62
2,4-D	8.96	8.94	8.98
Silvex (2,4,5-TP)	9.90	9.88	9.92
2,4,5-T	10.38	10.36	10.40
2,4-DB	11.03	11.01	11.05
Dinoseb	11.41	11.38	11.44
2,4-Dichlorophenylacetic acid	7.64	7.62	7.66

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP1\20121217-15910.b\P1000010.D
 Lims ID: CCV Client ID:
 Inject. Date: 17-Dec-2012 13:31:30 Dil. Factor: 1.0000
 Sample Type: CCV
 Sample ID: 240-0015910-010
 Misc. Info.:
 Operator: 001754 Instrument ID: A2HP1
 Injection Vol: 1.0 ul ALS Bottle#: 10
 Lims Batch ID: 68956 Lims Sample ID: 10
 Sublist: chrom-8151_1*sub2
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCCChrom\ChromData\A2HP1\20121217-15910.b\8151_1.m
 Last Update: 18-Dec-2012 09:30:58 Calib Date: 03-Dec-2012 19:52:08
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D
 Limit Group: GC 8151 DOD
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK012

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

5 Dalapon

1	1.263	1.263	0.000	19351669	0.0423	
2	1.394	1.394	0.000	6458397	0.0445	
RPD = 4.95						

\$ 4 2,4-Dichlorophenylacetic acid

1	7.003	7.003	0.000	12425851	0.0834	
2	7.637	7.637	0.000	5326592	0.0858	
RPD = 2.89						

6 Dicamba

1	7.168	7.168	0.000	26761320	0.0433	
2	7.804	7.804	0.000	11268760	0.0441	
RPD = 1.73						

10 MCPP

1	7.453	7.453	0.000	6042768	9.32	
2	7.990	7.990	0.000	2543307	9.55	
RPD = 2.41						

9 MCPA

1	7.616	7.616	0.000	7814543	9.22	
2	8.241	8.241	0.000	3382976	10.0	
RPD = 8.38						

7 Dichlorprop

1	7.988	7.988	0.000	11597869	0.0838	
2	8.603	8.603	0.000	4513243	0.0856	
RPD = 2.16						

2 2,4-D

1	8.228	8.228	0.000	11728590	0.0779	
2	8.962	8.962	0.000	5125101	0.0827	
RPD = 5.91						

Data File: \\NCCChrom\ChromData\A2HP1\20121217-15910.b\P1000010.D

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

12 Silvex (2,4,5-TP)

1	9.109	9.109	0.000	15581956	0.0204	
2	9.903	9.903	0.000	5875523	0.0207	
RPD = 1.39						

1 2,4,5-T

1	9.428	9.428	0.000	11555816	0.0188	
2	10.381	10.381	0.000	4905965	0.0202	
RPD = 7.14						

3 2,4-DB

1	10.059	10.059	0.000	4765921	0.0747	
2	11.034	11.034	0.000	2163075	0.0814	
RPD = 8.69						

8 Dinoseb

1	11.272	11.272	0.000	6116372	0.0121	
2	11.412	11.412	0.000	2352235	0.0122	
RPD = 0.61						

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP1\20121217-15910.b\P1000010.D

Injection Date: 17-Dec-2012 13:31:30

Limit Group: GC 8151 DOD

Client ID:

Instrument ID: A2HP1

Lims Batch ID: 68956

Lims Sample ID: 10

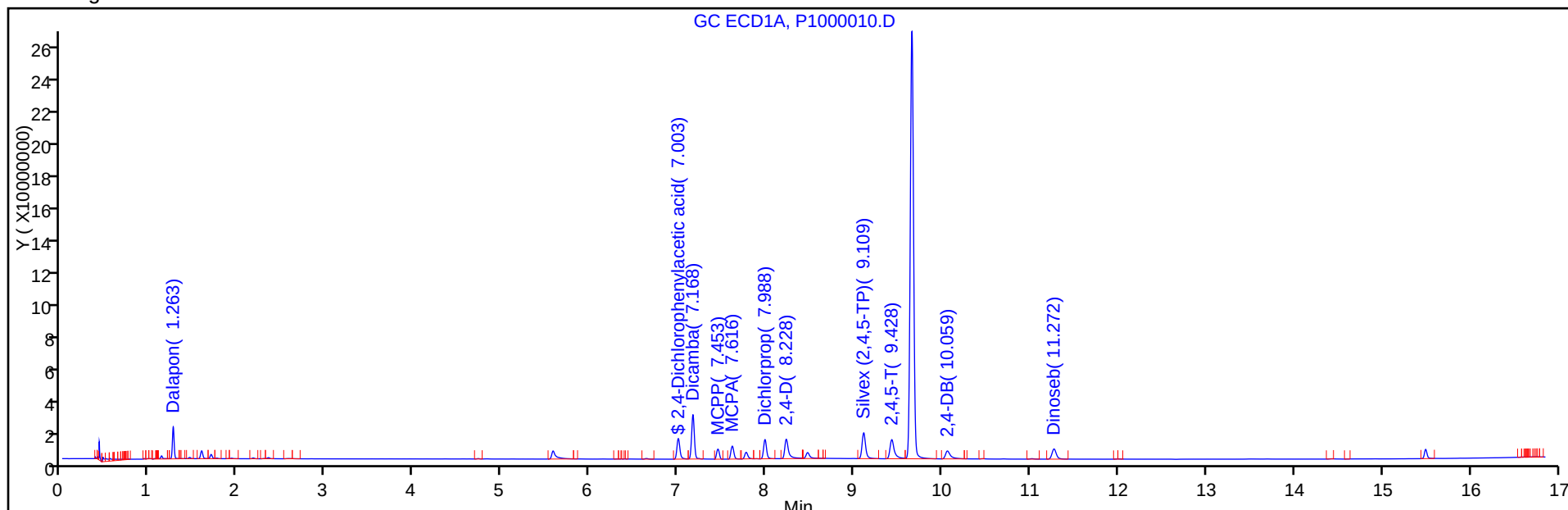
Operator ID: 001754

Injection Vol: 1.0 ul

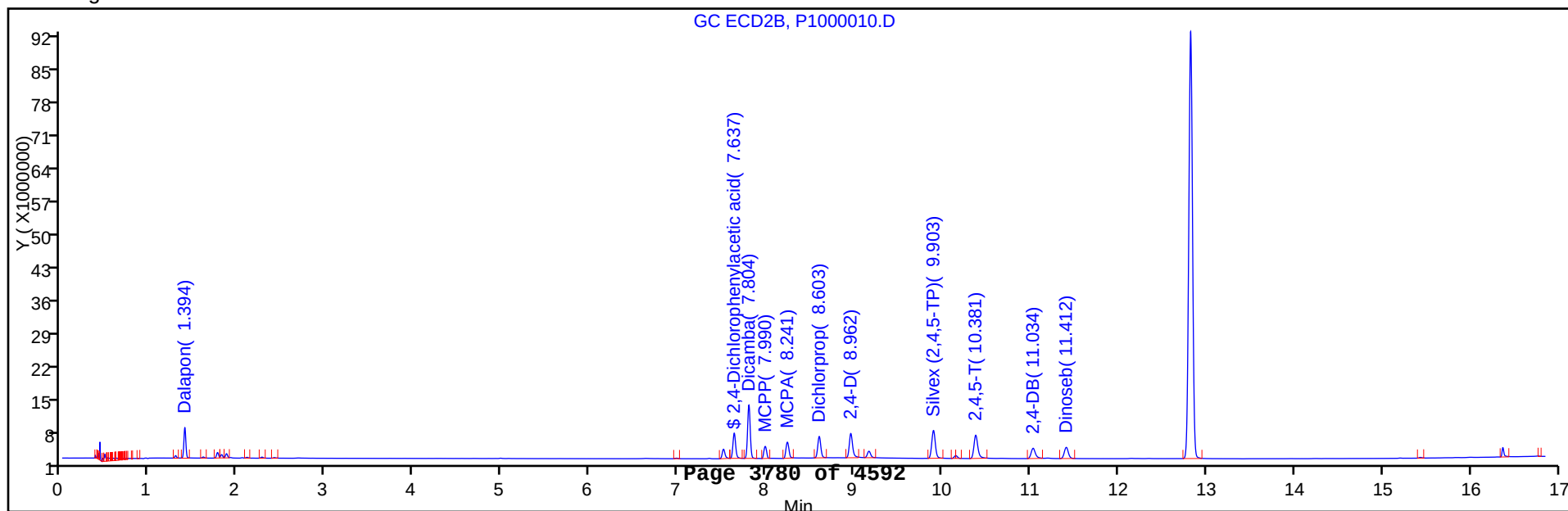
Column Type:

Column Dia:

Y Scaling:



Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18703-1
SDG No.: _____
Lab Sample ID: CCV 240-68956/11 Calibration Date: 12/17/2012 13:55
Instrument ID: A2HP1 Calib Start Date: 09/18/2012 13:18
GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 09/18/2012 15:16
Lab File ID: P1000011.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Pentachlorophenol	Lin1		2128606800		0.0117	0.0100	17.2	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18703-1
SDG No.: _____
Lab Sample ID: CCV 240-68956/11 Calibration Date: 12/17/2012 13:55
Instrument ID: A2HP1 Calib Start Date: 09/18/2012 13:18
GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 09/18/2012 15:16
Lab File ID: P1000011.D

Analyte	RT	RT WINDOW	
		FROM	TO
Pentachlorophenol	8.32	8.30	8.34

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP1\20121217-15910.b\P1000011.D
Lims ID: CCV PCP Client ID:
Inject. Date: 17-Dec-2012 13:55:01 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0015910-011
Misc. Info.:
Operator: 001754 Instrument ID: A2HP1
Injection Vol: 1.0 ul ALS Bottle#: 11
Lims Batch ID: 68956 Lims Sample ID: 11
Sublist: chrom-8151_1*sub1
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b
Method: \\NCChrom\ChromData\A2HP1\20121217-15910.b\8151_1.m
Last Update: 18-Dec-2012 09:31:00 Calib Date: 03-Dec-2012 19:52:08
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D
Limit Group: GC 8151 DOD
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK012

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

11 Pentachlorophenol

1	8.317	8.317	0.000	21286068	0.0117	
2	9.257	9.257	0.000	8316364	0.0109	

RPD = 7.58

Report Date: 18-Dec-2012 09:31:01

Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP1\20121217-15910.b\P1000011.D

Injection Date: 17-Dec-2012 13:55:01

Limit Group: GC 8151 DOD

Client ID:

Instrument ID: A2HP1

Lims Batch ID: 68956

Lims Sample ID: 11

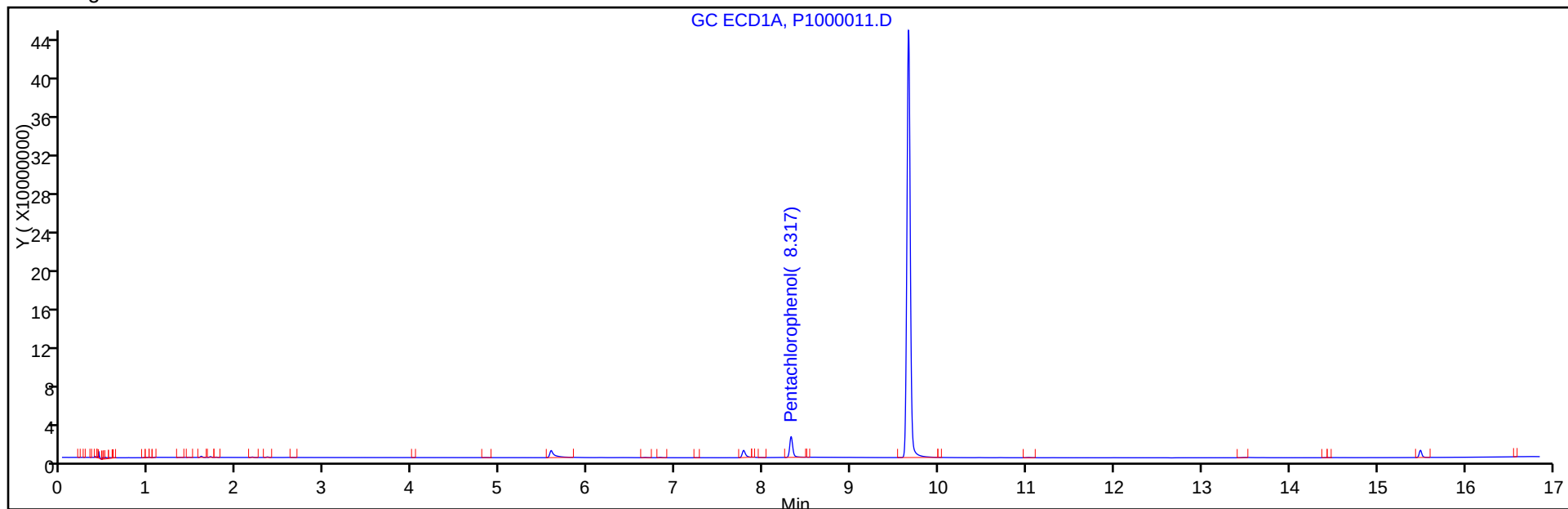
Operator ID: 001754

Injection Vol: 1.0 ul

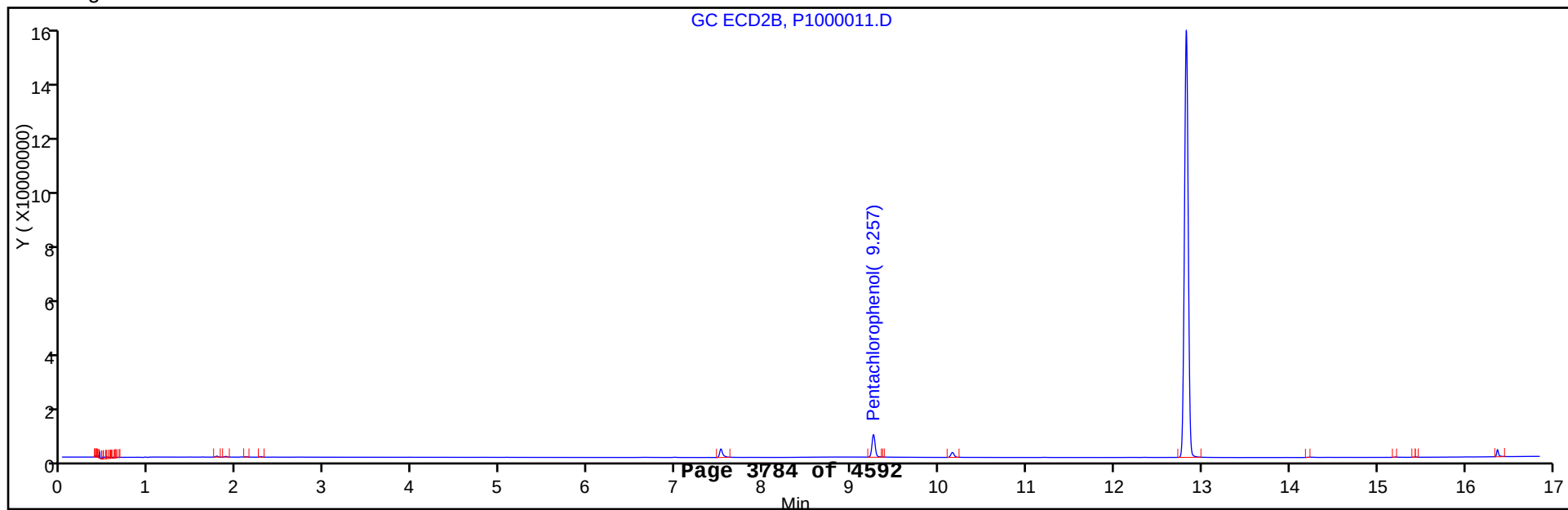
Column Type:

Column Dia:

Y Scaling:



Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18703-1
SDG No.: _____
Lab Sample ID: CCV 240-68956/11 Calibration Date: 12/17/2012 13:55
Instrument ID: A2HP1 Calib Start Date: 09/18/2012 13:18
GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 09/18/2012 15:16
Lab File ID: P1000011.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Pentachlorophenol	Lin1		831636400		0.0109	0.0100	8.6	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18703-1
SDG No.: _____
Lab Sample ID: CCV 240-68956/11 Calibration Date: 12/17/2012 13:55
Instrument ID: A2HP1 Calib Start Date: 09/18/2012 13:18
GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 09/18/2012 15:16
Lab File ID: P1000011.D

Analyte	RT	RT WINDOW	
		FROM	TO
Pentachlorophenol	9.26	9.24	9.28

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP1\20121217-15910.b\P1000011.D
Lims ID: CCV PCP Client ID:
Inject. Date: 17-Dec-2012 13:55:01 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0015910-011
Misc. Info.:
Operator: 001754 Instrument ID: A2HP1
Injection Vol: 1.0 ul ALS Bottle#: 11
Lims Batch ID: 68956 Lims Sample ID: 11
Sublist: chrom-8151_1*sub1
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b
Method: \\NCChrom\ChromData\A2HP1\20121217-15910.b\8151_1.m
Last Update: 18-Dec-2012 09:31:00 Calib Date: 03-Dec-2012 19:52:08
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D
Limit Group: GC 8151 DOD
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK012

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

11 Pentachlorophenol

1	8.317	8.317	0.000	21286068	0.0117	
2	9.257	9.257	0.000	8316364	0.0109	

RPD = 7.58

Report Date: 18-Dec-2012 09:31:01

Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP1\20121217-15910.b\P1000011.D

Injection Date: 17-Dec-2012 13:55:01

Limit Group: GC 8151 DOD

Client ID:

Instrument ID: A2HP1

Lims Batch ID: 68956

Lims Sample ID: 11

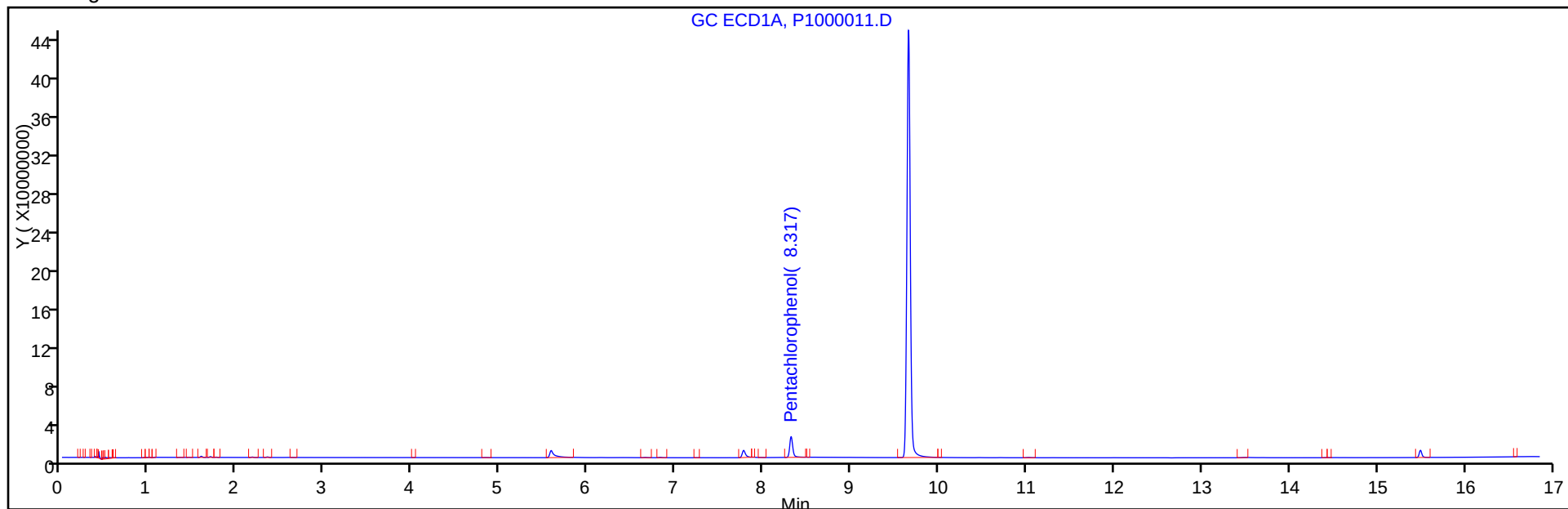
Operator ID: 001754

Injection Vol: 1.0 ul

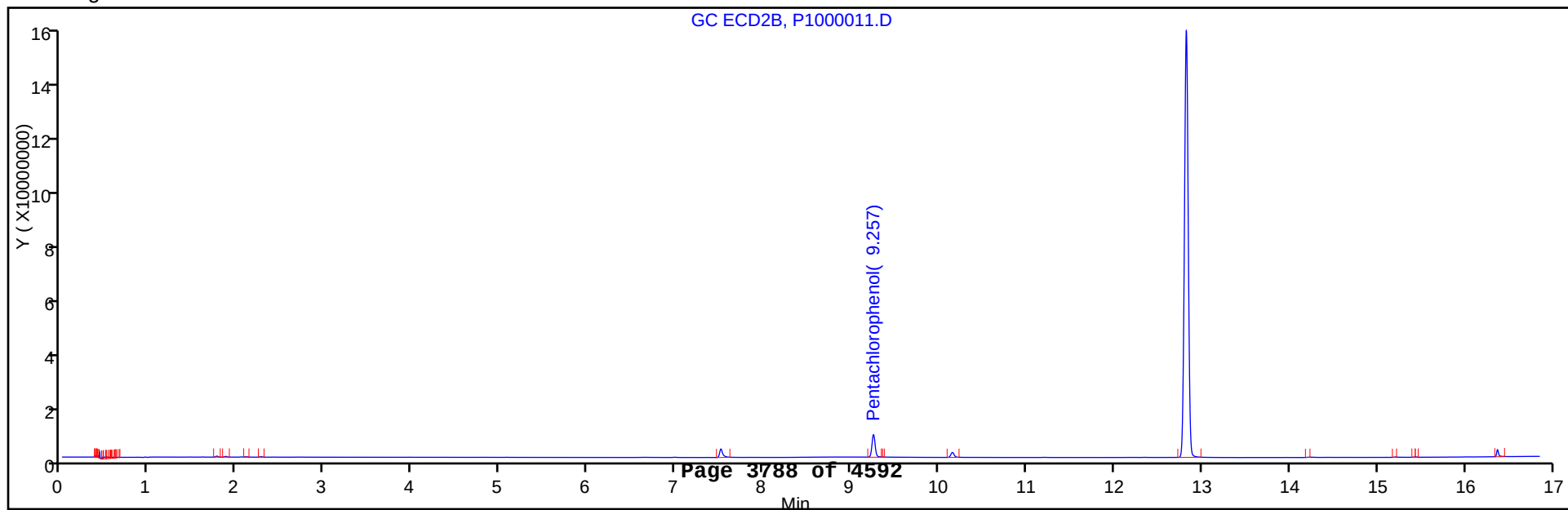
Column Type:

Column Dia:

Y Scaling:



Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18703-1
 SDG No.: _____
 Lab Sample ID: CCV 240-68956/19 Calibration Date: 12/17/2012 17:03
 Instrument ID: A2HP1 Calib Start Date: 12/03/2012 17:53
 GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 12/03/2012 19:52
 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	457412034	479726650		0.0420	0.0400	4.9	20.0
Dicamba	Ave	617859973	689683075		0.0446	0.0400	11.6	20.0
MCPD	Qua		787494		9.84	8.00	23.0*	20.0
MCPA	Qua		1006793		9.61	8.00	20.1*	20.0
Dichlorprop	Ave	138436820	150074275		0.0867	0.0800	8.4	20.0
2,4-D	Ave	150538188	153585475		0.0816	0.0800	2.0	20.0
Silvex (2,4,5-TP)	Ave	763444311	804456500		0.0211	0.0200	5.4	20.0
2,4,5-T	Ave	613790425	602487150		0.0196	0.0200	-1.8	20.0
2,4-DB	Ave	63842790	63112550		0.0791	0.0800	-1.1	20.0
Dinoseb	Ave	505863757	528899000		0.0125	0.0120	4.6	20.0
2,4-Dichlorophenylacetic acid	Ave	149068897	160964825		0.0864	0.0800	8.0	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18703-1
 SDG No.: _____
 Lab Sample ID: CCV 240-68956/19 Calibration Date: 12/17/2012 17:03
 Instrument ID: A2HP1 Calib Start Date: 12/03/2012 17:53
 GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 12/03/2012 19:52
 Lab File ID: P1000019.D

Analyte	RT	RT WINDOW	
		FROM	TO
Dalapon	1.26	1.24	1.28
Dicamba	7.17	7.15	7.19
MCPP	7.46	7.44	7.48
MCPA	7.62	7.60	7.64
Dichlorprop	7.99	7.97	8.01
2,4-D	8.23	8.21	8.25
Silvex (2,4,5-TP)	9.11	9.09	9.13
2,4,5-T	9.43	9.41	9.45
2,4-DB	10.06	10.04	10.08
Dinoseb	11.27	11.24	11.30
2,4-Dichlorophenylacetic acid	7.00	6.98	7.02

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP1\20121217-15910.b\P1000019.D
 Lims ID: CCV Client ID:
 Inject. Date: 17-Dec-2012 17:03:43 Dil. Factor: 1.0000
 Sample Type: CCV
 Sample ID: 240-0015910-019
 Misc. Info.:
 Operator: 001754 Instrument ID: A2HP1
 Injection Vol: 1.0 ul ALS Bottle#: 19
 Lims Batch ID: 68956 Lims Sample ID: 19
 Sublist: chrom-8151_1*sub2
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCCChrom\ChromData\A2HP1\20121217-15910.b\8151_1.m
 Last Update: 18-Dec-2012 09:31:10 Calib Date: 03-Dec-2012 19:52:08
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D
 Limit Group: GC 8151 DOD
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK012

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

5 Dalapon

1	1.264	1.264	0.000	19189066	0.0420	
2	1.396	1.396	0.000	6391289	0.0440	
RPD = 4.75						

\$ 4 2,4-Dichlorophenylacetic acid

1	7.004	7.004	0.000	12877186	0.0864	
2	7.639	7.639	0.000	5430479	0.0875	
RPD = 1.26						

6 Dicamba

1	7.170	7.170	0.000	27587323	0.0446	
2	7.805	7.805	0.000	11557265	0.0452	
RPD = 1.22						

10 MCPP

1	7.455	7.455	0.000	6299953	9.84	
2	7.991	7.991	0.000	2608835	9.86	
RPD = 0.18						

9 MCPA

1	7.617	7.617	0.000	8054343	9.61	
2	8.243	8.243	0.000	3504863	10.5	
RPD = 8.77						

7 Dichlorprop

1	7.989	7.989	0.000	12005942	0.0867	
2	8.605	8.605	0.000	4645104	0.0881	
RPD = 1.59						

2 2,4-D

1	8.231	8.231	0.000	12286838	0.0816	
2	8.964	8.964	0.000	5240468	0.0845	
RPD = 3.49						

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

12 Silvex (2,4,5-TP)

1	9.111	9.111	0.000	16089130	0.0211	
2	9.904	9.904	0.000	6210602	0.0219	
RPD = 3.73						

1 2,4,5-T

1	9.429	9.429	0.000	12049743	0.0196	
2	10.382	10.382	0.000	5179143	0.0213	
RPD = 8.37						

3 2,4-DB

1	10.063	10.063	0.000	5049004	0.0791	
2	11.036	11.036	0.000	2243337	0.0845	
RPD = 6.57						

8 Dinoseb

1	11.272	11.272	0.000	6346788	0.0125	
2	11.412	11.412	0.000	2468228	0.0128	
RPD = 1.72						

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP1\20121217-15910.b\P1000019.D

Injection Date: 17-Dec-2012 17:03:43

Limit Group: GC 8151 DOD

Client ID:

Instrument ID: A2HP1

Lims Batch ID: 68956

Lims Sample ID: 19

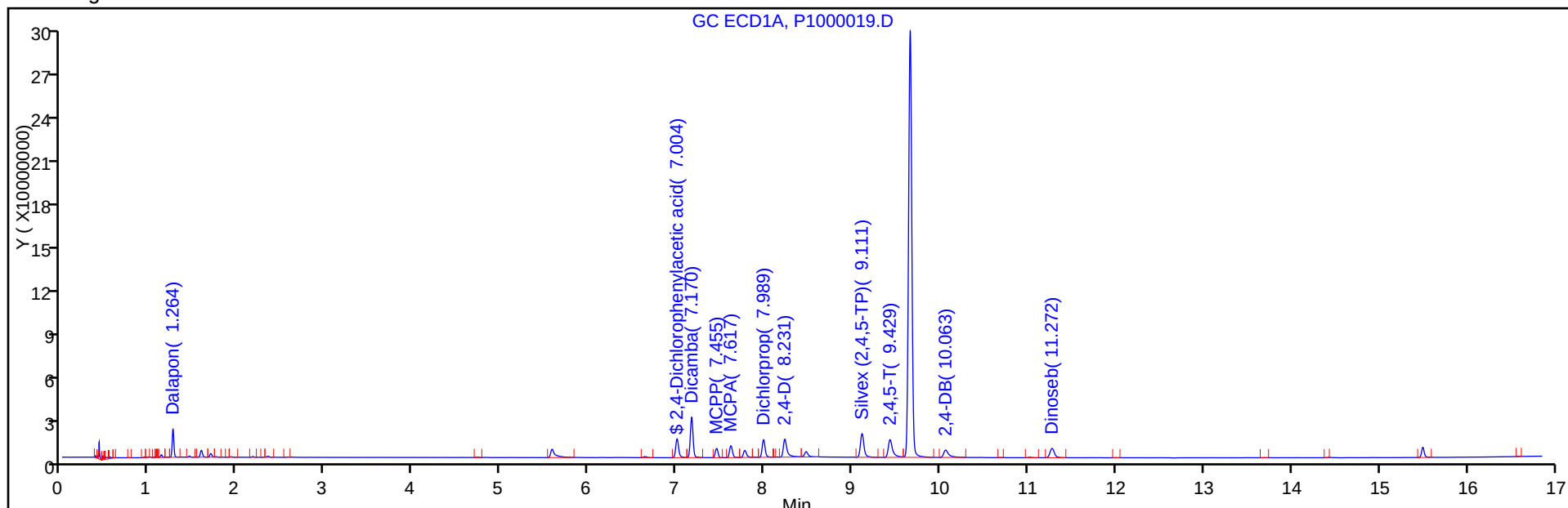
Operator ID: 001754

Injection Vol: 1.0 ul

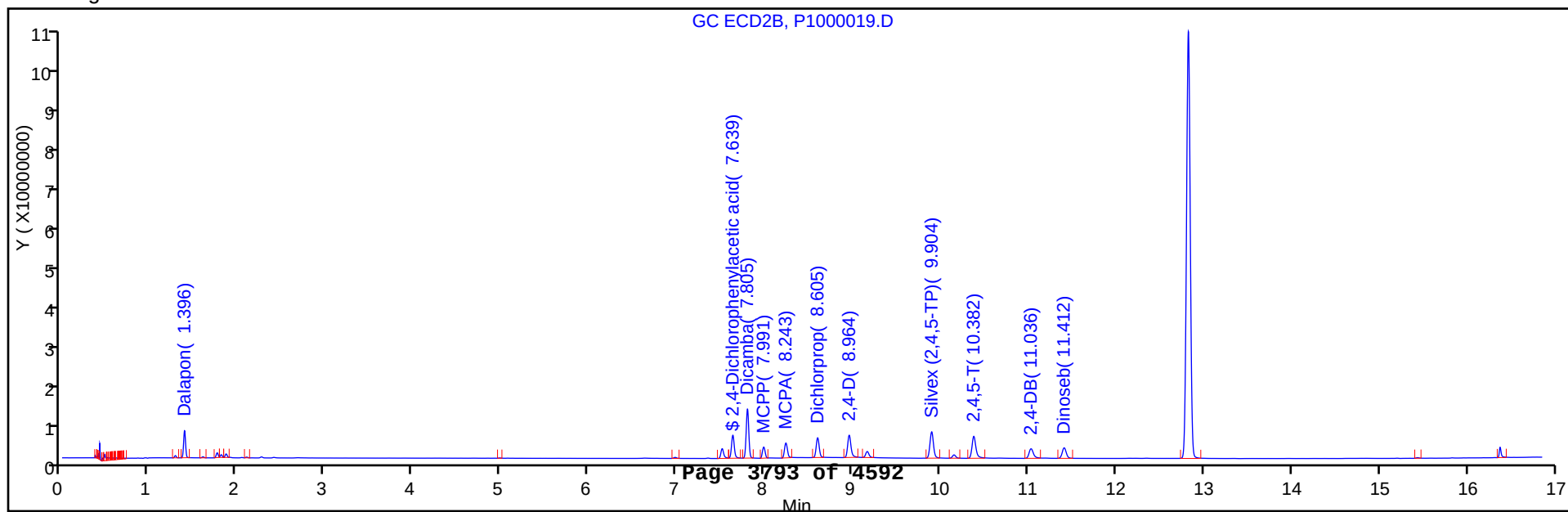
Column Type:

Column Dia:

Y Scaling:



Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18703-1
 SDG No.: _____
 Lab Sample ID: CCV 240-68956/19 Calibration Date: 12/17/2012 17:03
 Instrument ID: A2HP1 Calib Start Date: 12/03/2012 17:53
 GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 12/03/2012 19:52
 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	145285641	159782225		0.0440	0.0400	10.0	20.0
Dicamba	Ave	255708069	288931625		0.0452	0.0400	13.0	20.0
MCPP	Qua		326104		9.86	8.00	23.2*	20.0
MCPA	Lin1		438108		10.5	8.00	31.2*	20.0
Dichlorprop	Ave	52718146	58063800		0.0881	0.0800	10.1	20.0
2,4-D	Ave	62005138	65505850		0.0845	0.0800	5.6	20.0
Silvex (2,4,5-TP)	Ave	283903898	310530100		0.0219	0.0200	9.4	20.0
2,4,5-T	Ave	242611790	258957150		0.0213	0.0200	6.7	20.0
2,4-DB	Ave	26562352	28041713		0.0845	0.0800	5.6	20.0
Dinoseb	Ave	193371382	205685667		0.0128	0.0120	6.4	20.0
2,4-Dichlorophenylacetic acid	Ave	62078149	67880988		0.0875	0.0800	9.3	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18703-1
SDG No.: _____
Lab Sample ID: CCV 240-68956/19 Calibration Date: 12/17/2012 17:03
Instrument ID: A2HP1 Calib Start Date: 12/03/2012 17:53
GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 12/03/2012 19:52
Lab File ID: P1000019.D

Analyte	RT	RT WINDOW	
		FROM	TO
Dalapon	1.40	1.38	1.42
Dicamba	7.81	7.79	7.83
MCPPE	7.99	7.97	8.01
MCPA	8.24	8.22	8.26
Dichlorprop	8.61	8.59	8.63
2,4-D	8.96	8.94	8.98
Silvex (2,4,5-TP)	9.90	9.88	9.92
2,4,5-T	10.38	10.36	10.40
2,4-DB	11.04	11.02	11.06
Dinoseb	11.41	11.38	11.44
2,4-Dichlorophenylacetic acid	7.64	7.62	7.66

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP1\20121217-15910.b\P1000019.D
 Lims ID: CCV Client ID:
 Inject. Date: 17-Dec-2012 17:03:43 Dil. Factor: 1.0000
 Sample Type: CCV
 Sample ID: 240-0015910-019
 Misc. Info.:
 Operator: 001754 Instrument ID: A2HP1
 Injection Vol: 1.0 ul ALS Bottle#: 19
 Lims Batch ID: 68956 Lims Sample ID: 19
 Sublist: chrom-8151_1*sub2
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCCChrom\ChromData\A2HP1\20121217-15910.b\8151_1.m
 Last Update: 18-Dec-2012 09:31:10 Calib Date: 03-Dec-2012 19:52:08
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D
 Limit Group: GC 8151 DOD
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK012

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

5 Dalapon

1	1.264	1.264	0.000	19189066	0.0420	
2	1.396	1.396	0.000	6391289	0.0440	
RPD = 4.75						

\$ 4 2,4-Dichlorophenylacetic acid

1	7.004	7.004	0.000	12877186	0.0864	
2	7.639	7.639	0.000	5430479	0.0875	
RPD = 1.26						

6 Dicamba

1	7.170	7.170	0.000	27587323	0.0446	
2	7.805	7.805	0.000	11557265	0.0452	
RPD = 1.22						

10 MCPP

1	7.455	7.455	0.000	6299953	9.84	
2	7.991	7.991	0.000	2608835	9.86	
RPD = 0.18						

9 MCPA

1	7.617	7.617	0.000	8054343	9.61	
2	8.243	8.243	0.000	3504863	10.5	
RPD = 8.77						

7 Dichlorprop

1	7.989	7.989	0.000	12005942	0.0867	
2	8.605	8.605	0.000	4645104	0.0881	
RPD = 1.59						

2 2,4-D

1	8.231	8.231	0.000	12286838	0.0816	
2	8.964	8.964	0.000	5240468	0.0845	
RPD = 3.49						

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

12 Silvex (2,4,5-TP)

1	9.111	9.111	0.000	16089130	0.0211	
2	9.904	9.904	0.000	6210602	0.0219	
RPD = 3.73						

1 2,4,5-T

1	9.429	9.429	0.000	12049743	0.0196	
2	10.382	10.382	0.000	5179143	0.0213	
RPD = 8.37						

3 2,4-DB

1	10.063	10.063	0.000	5049004	0.0791	
2	11.036	11.036	0.000	2243337	0.0845	
RPD = 6.57						

8 Dinoseb

1	11.272	11.272	0.000	6346788	0.0125	
2	11.412	11.412	0.000	2468228	0.0128	
RPD = 1.72						

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP1\20121217-15910.b\P1000019.D

Injection Date: 17-Dec-2012 17:03:43

Limit Group: GC 8151 DOD

Client ID:

Instrument ID: A2HP1

Lims Batch ID: 68956

Lims Sample ID: 19

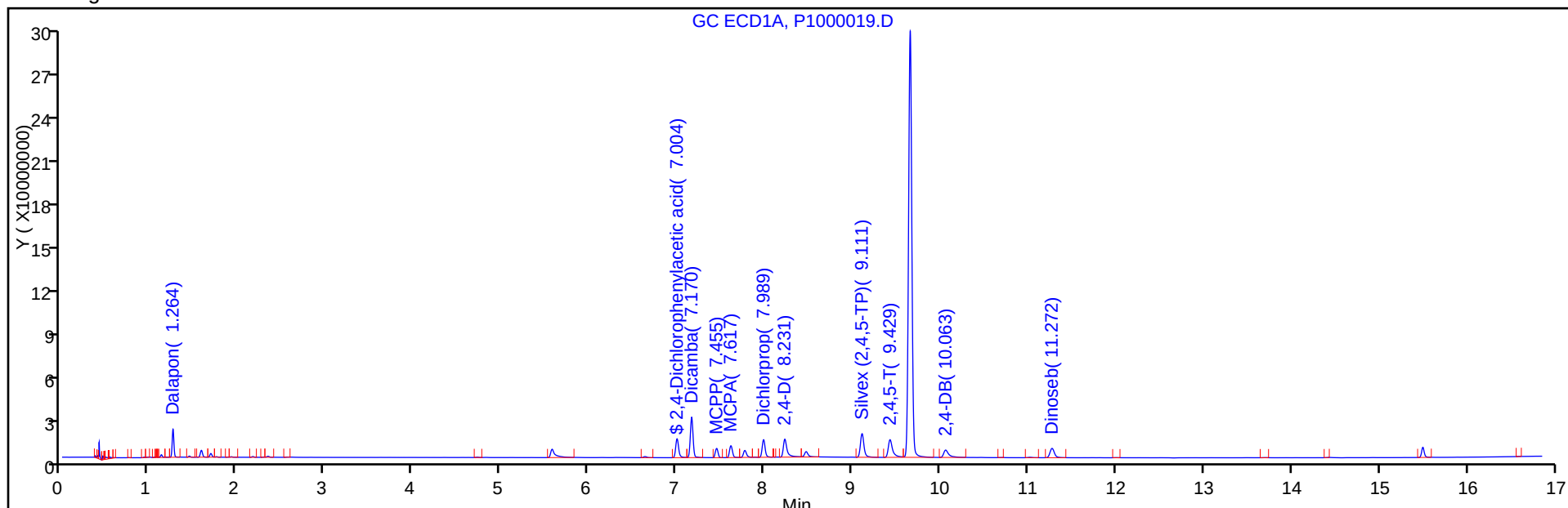
Operator ID: 001754

Injection Vol: 1.0 ul

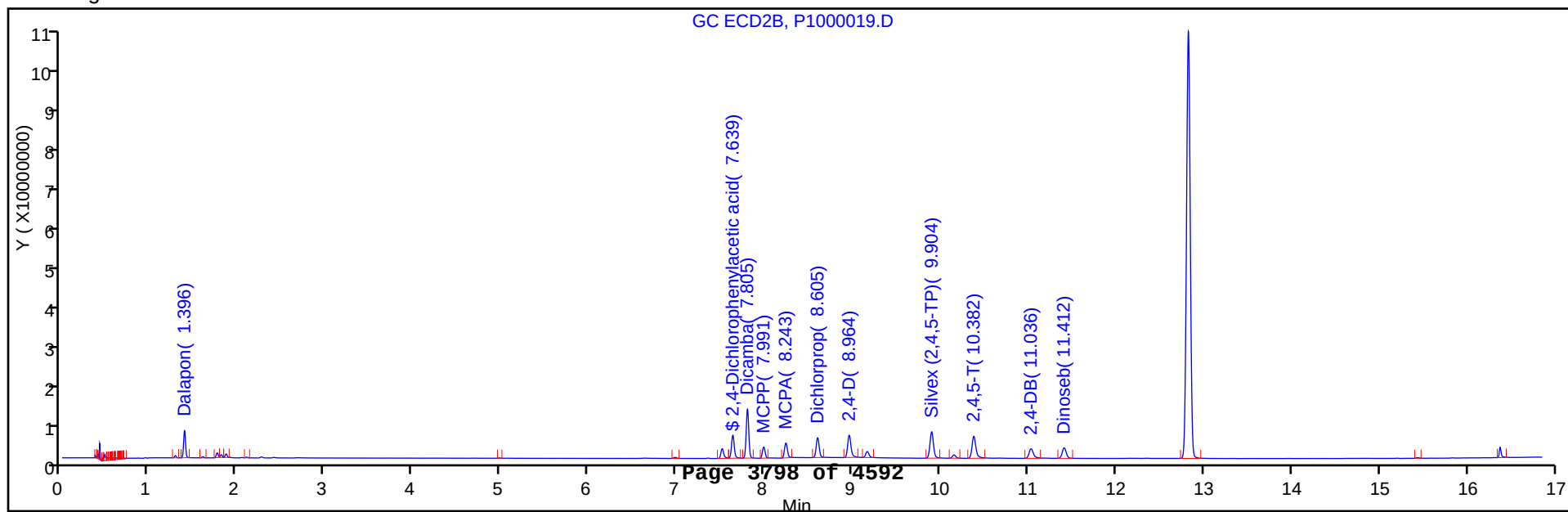
Column Type:

Column Dia:

Y Scaling:



Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18703-1
SDG No.: _____
Lab Sample ID: CCV 240-68956/20 Calibration Date: 12/17/2012 17:27
Instrument ID: A2HP1 Calib Start Date: 09/18/2012 13:18
GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 09/18/2012 15:16
Lab File ID: P1000020.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Pentachlorophenol	Lin1		2163430900		0.0119	0.0100	19.3	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18703-1
SDG No.: _____
Lab Sample ID: CCV 240-68956/20 Calibration Date: 12/17/2012 17:27
Instrument ID: A2HP1 Calib Start Date: 09/18/2012 13:18
GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 09/18/2012 15:16
Lab File ID: P1000020.D

Analyte	RT	RT WINDOW	
		FROM	TO
Pentachlorophenol	8.32	8.30	8.34

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP1\20121217-15910.b\P1000020.D
Lims ID: CCV PCP Client ID:
Inject. Date: 17-Dec-2012 17:27:19 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0015910-020
Misc. Info.:
Operator: 001754 Instrument ID: A2HP1
Injection Vol: 1.0 ul ALS Bottle#: 20
Lims Batch ID: 68956 Lims Sample ID: 20
Sublist: chrom-8151_1*sub1
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b
Method: \\NCCChrom\ChromData\A2HP1\20121217-15910.b\8151_1.m
Last Update: 18-Dec-2012 09:31:11 Calib Date: 03-Dec-2012 19:52:08
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D
Limit Group: GC 8151 DOD
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK012

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

11 Pentachlorophenol

1	8.319	8.319	0.000	21634309	0.0119	
2	9.257	9.257	0.000	8374227	0.0109	

RPD = 8.64

Report Date: 18-Dec-2012 09:31:12

Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP1\20121217-15910.b\P1000020.D

Injection Date: 17-Dec-2012 17:27:19

Limit Group: GC 8151 DOD

Client ID:

Instrument ID: A2HP1

Lims Batch ID: 68956

Lims Sample ID: 20

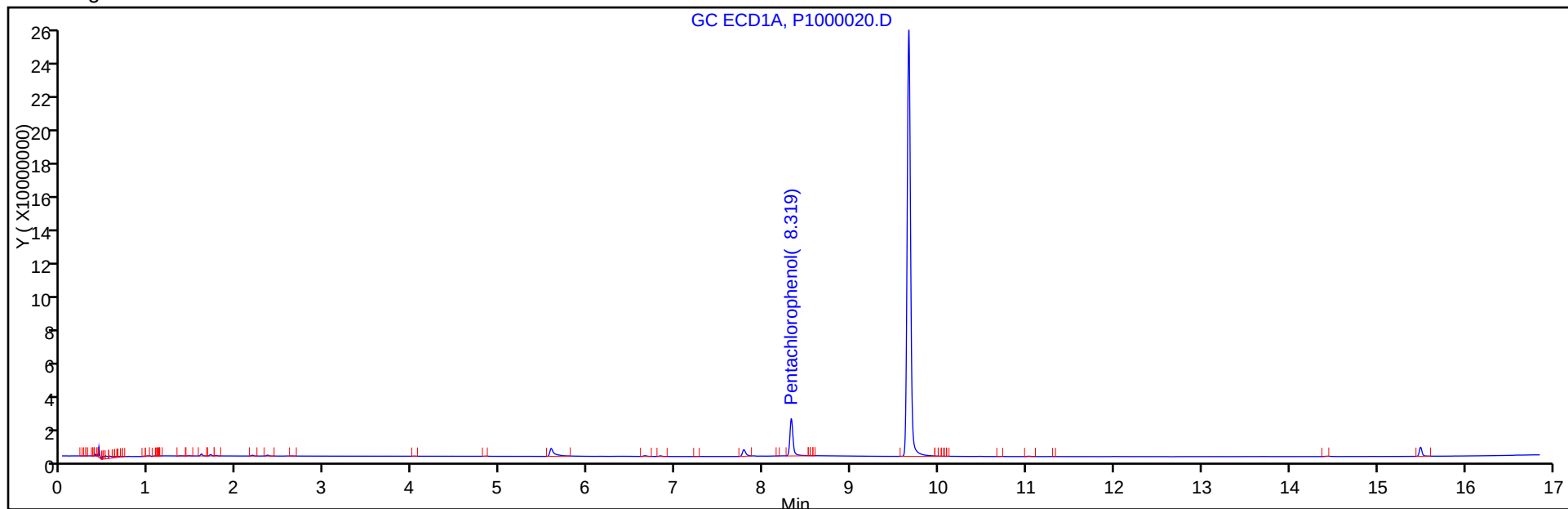
Operator ID: 001754

Injection Vol: 1.0 ul

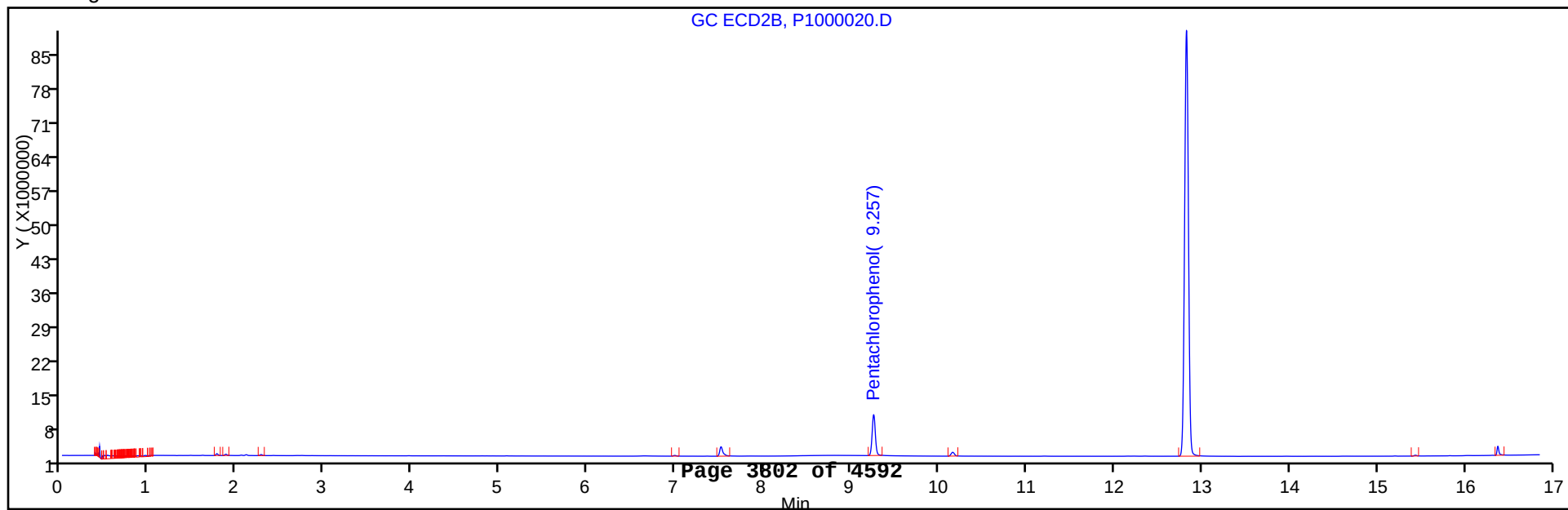
Column Type:

Column Dia:

Y Scaling:



Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18703-1
SDG No.: _____
Lab Sample ID: CCV 240-68956/20 Calibration Date: 12/17/2012 17:27
Instrument ID: A2HP1 Calib Start Date: 09/18/2012 13:18
GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 09/18/2012 15:16
Lab File ID: P1000020.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Pentachlorophenol	Lin1		837422700		0.0109	0.0100	9.4	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18703-1
SDG No.: _____
Lab Sample ID: CCV 240-68956/20 Calibration Date: 12/17/2012 17:27
Instrument ID: A2HP1 Calib Start Date: 09/18/2012 13:18
GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 09/18/2012 15:16
Lab File ID: P1000020.D

Analyte	RT	RT WINDOW	
		FROM	TO
Pentachlorophenol	9.26	9.24	9.28

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP1\20121217-15910.b\P1000020.D
Lims ID: CCV PCP Client ID:
Inject. Date: 17-Dec-2012 17:27:19 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0015910-020
Misc. Info.:
Operator: 001754 Instrument ID: A2HP1
Injection Vol: 1.0 ul ALS Bottle#: 20
Lims Batch ID: 68956 Lims Sample ID: 20
Sublist: chrom-8151_1*sub1
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b
Method: \\NCChrom\ChromData\A2HP1\20121217-15910.b\8151_1.m
Last Update: 18-Dec-2012 09:31:11 Calib Date: 03-Dec-2012 19:52:08
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D
Limit Group: GC 8151 DOD
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK012

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

11 Pentachlorophenol

1	8.319	8.319	0.000	21634309	0.0119	
2	9.257	9.257	0.000	8374227	0.0109	

RPD = 8.64

Report Date: 18-Dec-2012 09:31:12

Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP1\20121217-15910.b\P1000020.D

Injection Date: 17-Dec-2012 17:27:19

Limit Group: GC 8151 DOD

Client ID:

Instrument ID: A2HP1

Lims Batch ID: 68956

Lims Sample ID: 20

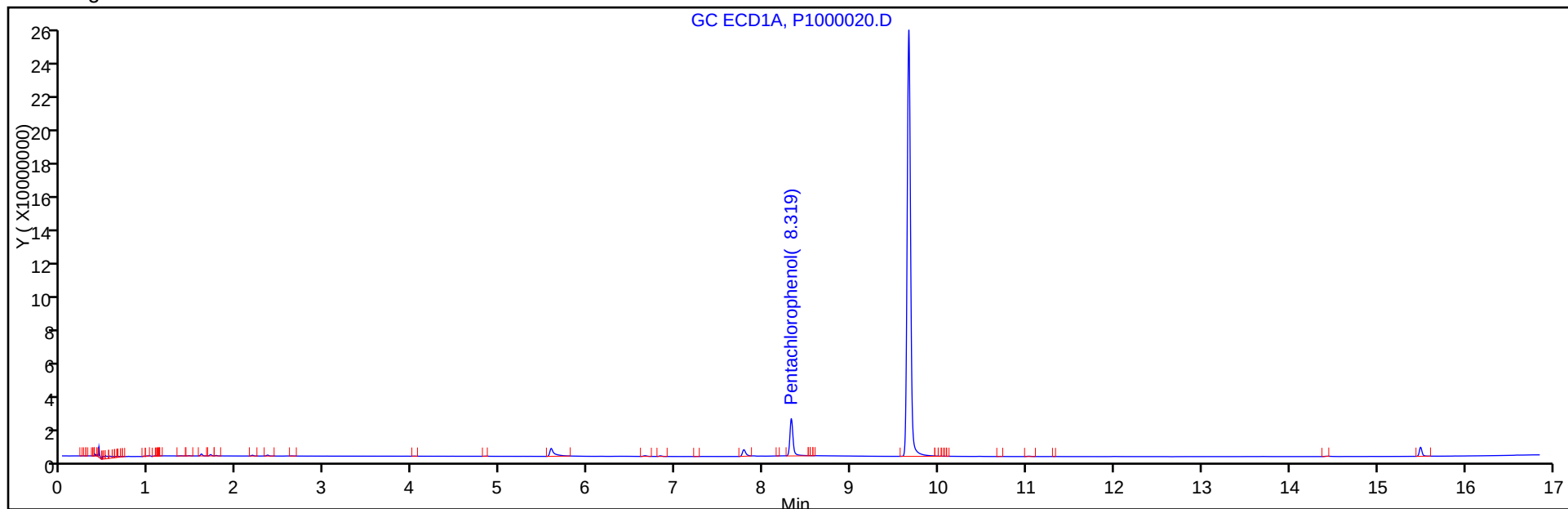
Operator ID: 001754

Injection Vol: 1.0 ul

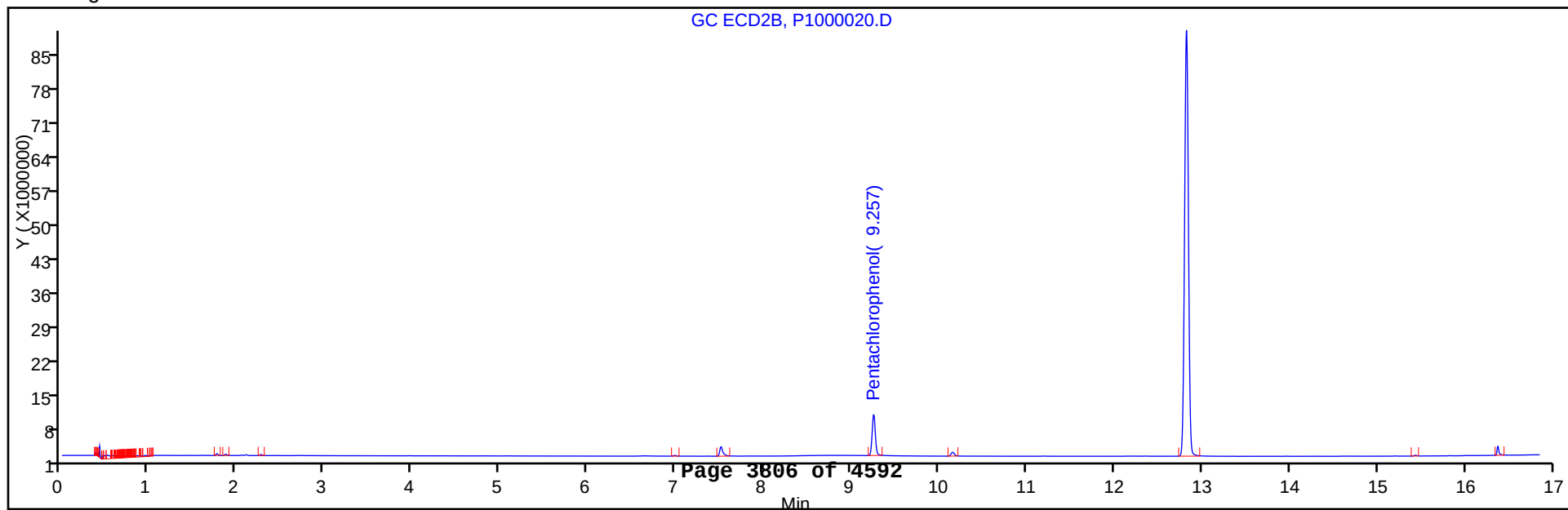
Column Type:

Column Dia:

Y Scaling:



Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18703-1
 SDG No.: _____
 Lab Sample ID: CCV 240-69890/5 Calibration Date: 12/22/2012 12:38
 Instrument ID: A2HP1 Calib Start Date: 12/03/2012 17:53
 GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 12/03/2012 19:52
 Lab File ID: P1000005.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dalapon	Ave	457412034	470744600		0.0412	0.0400	2.9	20.0
Dicamba	Ave	617859973	677451075		0.0439	0.0400	9.6	20.0
MCPP	Qua		776408		9.66	8.00	20.7*	20.0
MCPA	Qua		991367		9.41	8.00	17.6	20.0
Dichlorprop	Ave	138436820	148720200		0.0859	0.0800	7.4	20.0
2,4-D	Ave	150538188	154338075		0.0820	0.0800	2.5	20.0
Silvex (2,4,5-TP)	Ave	763444311	766518450		0.0201	0.0200	0.4	20.0
2,4,5-T	Ave	613790425	579629850		0.0189	0.0200	-5.6	20.0
2,4-DB	Ave	63842790	62144663		0.0779	0.0800	-2.7	20.0
Dinoseb	Ave	505863757	448311583		0.0106	0.0120	-11.4	20.0
2,4-Dichlorophenylacetic acid	Ave	149068897	161701150		0.0868	0.0800	8.5	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18703-1
 SDG No.: _____
 Lab Sample ID: CCV 240-69890/5 Calibration Date: 12/22/2012 12:38
 Instrument ID: A2HP1 Calib Start Date: 12/03/2012 17:53
 GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 12/03/2012 19:52
 Lab File ID: P1000005.D

Analyte	RT	RT WINDOW	
		FROM	TO
Dalapon	1.23	1.21	1.25
Dicamba	7.13	7.11	7.15
MCPPE	7.41	7.39	7.43
MCPA	7.57	7.55	7.59
Dichlorprop	7.94	7.92	7.96
2,4-D	8.18	8.16	8.20
Silvex (2,4,5-TP)	9.06	9.04	9.08
2,4,5-T	9.37	9.35	9.39
2,4-DB	10.00	9.98	10.02
Dinoseb	11.20	11.17	11.23
2,4-Dichlorophenylacetic acid	6.96	6.94	6.98

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP1\20121222-16119.b\P1000005.D
 Lims ID: CCV Client ID:
 Inject. Date: 22-Dec-2012 12:38:54 Dil. Factor: 1.0000
 Sample Type: CCVRT
 Sample ID: 240-0016119-005
 Misc. Info.:
 Operator: 001754 Instrument ID: A2HP1
 Injection Vol: 1.0 ul ALS Bottle#: 5
 Lims Batch ID: 69890 Lims Sample ID: 5
 Sublist: chrom-8151_1*sub2
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCCChrom\ChromData\A2HP1\20121222-16119.b\8151_1.m
 Last Update: 26-Dec-2012 15:31:05 Calib Date: 03-Dec-2012 19:52:08
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D
 Limit Group: GC 8151 DOD
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK028

First Level Reviewer: bolgrind

Date:

24-Dec-2012 10:06:59

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

5 Dalapon

1	1.234	1.234	0.000	18829784	0.0412	
2	1.375	1.375	0.000	5966276	0.0411	
RPD = 0.24						

\$ 4 2,4-Dichlorophenylacetic acid

1	6.960	6.960	0.000	12936092	0.0868	
2	7.613	7.613	0.000	5287825	0.0852	
RPD = 1.86						

6 Dicamba

1	7.125	7.125	0.000	27098043	0.0439	
2	7.780	7.780	0.000	10831439	0.0424	
RPD = 3.48						

10 MCPP

1	7.410	7.410	0.000	6211266	9.66	
2	7.965	7.965	0.000	2337457	8.59	
RPD = 11.74						

9 MCPA

1	7.573	7.573	0.000	7930935	9.41	
2	8.216	8.216	0.000	3202956	9.33	
RPD = 0.80						

7 Dichlorprop

1	7.942	7.942	0.000	11897616	0.0859	
2	8.576	8.576	0.000	4379433	0.0831	
RPD = 3.40						

2 2,4-D

1	8.182	8.182	0.000	12347046	0.0820	
2	8.933	8.933	0.000	4823575	0.0778	

RPD = 5.29

Data File: \\NCCChrom\ChromData\A2HP1\20121222-16119.b\1000005.D

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

12 Silvex (2,4,5-TP)

1	9.055	9.055	0.000	15330369	0.0201	
2	9.868	9.868	0.000	5572397	0.0196	
RPD = 2.28						

1 2,4,5-T

1	9.370	9.370	0.000	11592597	0.0189	
2	10.346	10.346	0.000	4637758	0.0191	
RPD = 1.21						

3 2,4-DB

1	9.998	9.998	0.000	4971573	0.0779	
2	10.998	10.998	0.000	2040598	0.0768	
RPD = 1.36						

8 Dinoseb

1	11.204	11.204	0.000	5379739	0.0106	
2	11.371	11.371	0.000	2026149	0.0105	
RPD = 1.48						

Report Date: 26-Dec-2012 15:31:06

Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP1\20121222-16119.b\P1000005.D

Injection Date: 22-Dec-2012 12:38:54

Limit Group: GC 8151 DOD

Client ID:

Instrument ID: A2HP1

Lims Batch ID: 69890

Lims Sample ID: 5

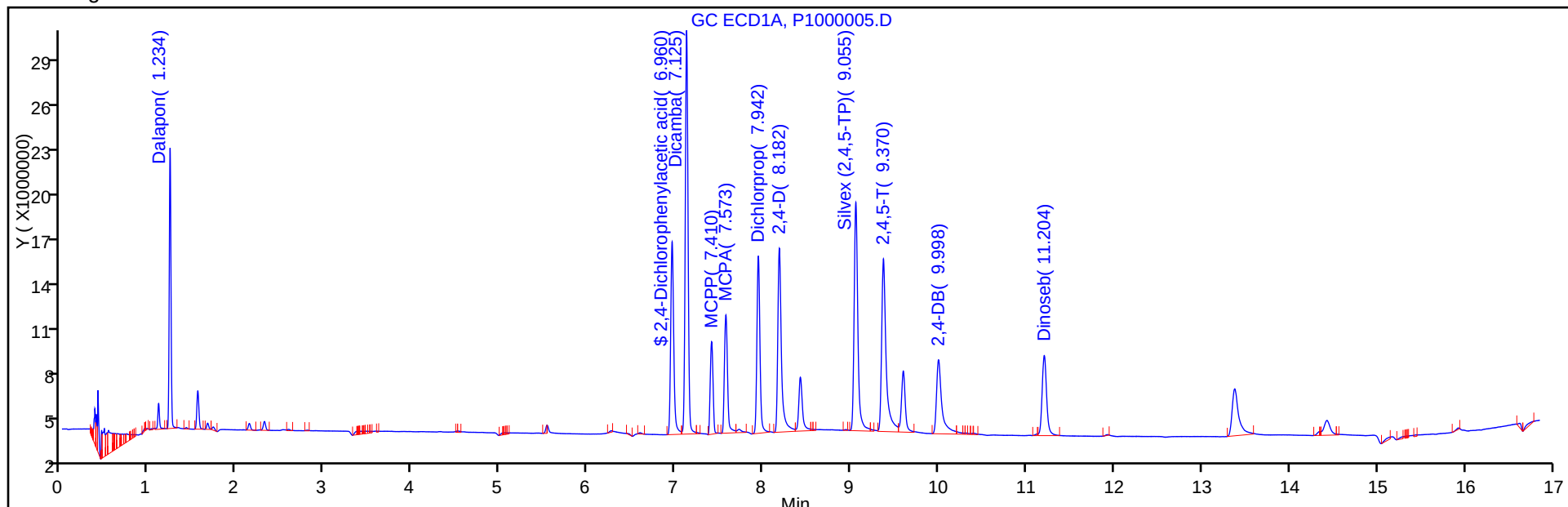
Operator ID: 001754

Injection Vol: 1.0 ul

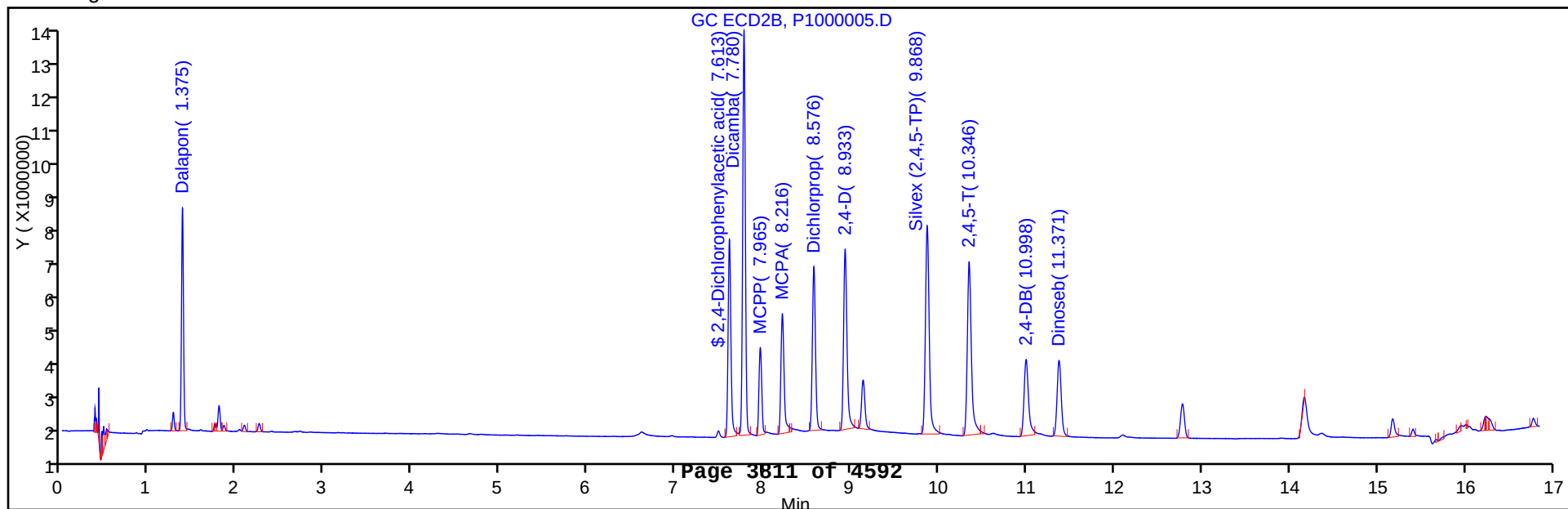
Column Type:

Column Dia:

Y Scaling:



Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18703-1
 SDG No.: _____
 Lab Sample ID: CCV 240-69890/5 Calibration Date: 12/22/2012 12:38
 Instrument ID: A2HP1 Calib Start Date: 12/03/2012 17:53
 GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 12/03/2012 19:52
 Lab File ID: P1000005.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dalapon	Ave	145285641	149156900		0.0411	0.0400	2.7	20.0
Dicamba	Ave	255708069	270785975		0.0424	0.0400	5.9	20.0
MCPD	Qua		292182		8.59	8.00	7.4	20.0
MCPA	Lin1		400370		9.33	8.00	16.7	20.0
Dichlorprop	Ave	52718146	54742913		0.0831	0.0800	3.8	20.0
2,4-D	Ave	62005138	60294688		0.0778	0.0800	-2.8	20.0
Silvex (2,4,5-TP)	Ave	283903898	278619850		0.0196	0.0200	-1.9	20.0
2,4,5-T	Ave	242611790	231887900		0.0191	0.0200	-4.4	20.0
2,4-DB	Ave	26562352	25507475		0.0768	0.0800	-4.0	20.0
Dinoseb	Ave	193371382	168845750		0.0105	0.0120	-12.7	20.0
2,4-Dichlorophenylacetic acid	Ave	62078149	66097813		0.0852	0.0800	6.5	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18703-1
SDG No.: _____
Lab Sample ID: CCV 240-69890/5 Calibration Date: 12/22/2012 12:38
Instrument ID: A2HP1 Calib Start Date: 12/03/2012 17:53
GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 12/03/2012 19:52
Lab File ID: P1000005.D

Analyte	RT	RT WINDOW	
		FROM	TO
Dalapon	1.38	1.36	1.40
Dicamba	7.78	7.76	7.80
MCPD	7.97	7.95	7.99
MCPA	8.22	8.20	8.24
Dichloroprop	8.58	8.56	8.60
2,4-D	8.93	8.91	8.95
Silvex (2,4,5-TP)	9.87	9.85	9.89
2,4,5-T	10.35	10.33	10.37
2,4-DB	11.00	10.98	11.02
Dinoseb	11.37	11.34	11.40
2,4-Dichlorophenylacetic acid	7.61	7.59	7.63

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP1\20121222-16119.b\P1000005.D
 Lims ID: CCV Client ID:
 Inject. Date: 22-Dec-2012 12:38:54 Dil. Factor: 1.0000
 Sample Type: CCVRT
 Sample ID: 240-0016119-005
 Misc. Info.:
 Operator: 001754 Instrument ID: A2HP1
 Injection Vol: 1.0 ul ALS Bottle#: 5
 Lims Batch ID: 69890 Lims Sample ID: 5
 Sublist: chrom-8151_1*sub2
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCCChrom\ChromData\A2HP1\20121222-16119.b\8151_1.m
 Last Update: 26-Dec-2012 15:31:05 Calib Date: 03-Dec-2012 19:52:08
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D
 Limit Group: GC 8151 DOD
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK028

First Level Reviewer: bolgrind

Date:

24-Dec-2012 10:06:59

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

5 Dalapon

1	1.234	1.234	0.000	18829784	0.0412	
2	1.375	1.375	0.000	5966276	0.0411	
RPD = 0.24						

\$ 4 2,4-Dichlorophenylacetic acid

1	6.960	6.960	0.000	12936092	0.0868	
2	7.613	7.613	0.000	5287825	0.0852	
RPD = 1.86						

6 Dicamba

1	7.125	7.125	0.000	27098043	0.0439	
2	7.780	7.780	0.000	10831439	0.0424	
RPD = 3.48						

10 MCPP

1	7.410	7.410	0.000	6211266	9.66	
2	7.965	7.965	0.000	2337457	8.59	
RPD = 11.74						

9 MCPA

1	7.573	7.573	0.000	7930935	9.41	
2	8.216	8.216	0.000	3202956	9.33	
RPD = 0.80						

7 Dichlorprop

1	7.942	7.942	0.000	11897616	0.0859	
2	8.576	8.576	0.000	4379433	0.0831	
RPD = 3.40						

2 2,4-D

1	8.182	8.182	0.000	12347046	0.0820	
2	8.933	8.933	0.000	4823575	0.0778	

RPD = 5.29

Data File: \\NCCChrom\ChromData\A2HP1\20121222-16119.b\1000005.D

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

12 Silvex (2,4,5-TP)

1	9.055	9.055	0.000	15330369	0.0201	
2	9.868	9.868	0.000	5572397	0.0196	
RPD = 2.28						

1 2,4,5-T

1	9.370	9.370	0.000	11592597	0.0189	
2	10.346	10.346	0.000	4637758	0.0191	
RPD = 1.21						

3 2,4-DB

1	9.998	9.998	0.000	4971573	0.0779	
2	10.998	10.998	0.000	2040598	0.0768	
RPD = 1.36						

8 Dinoseb

1	11.204	11.204	0.000	5379739	0.0106	
2	11.371	11.371	0.000	2026149	0.0105	
RPD = 1.48						

Report Date: 26-Dec-2012 15:31:06

Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP1\20121222-16119.b\P1000005.D

Injection Date: 22-Dec-2012 12:38:54

Limit Group: GC 8151 DOD

Client ID:

Instrument ID: A2HP1

Lims Batch ID: 69890

Lims Sample ID: 5

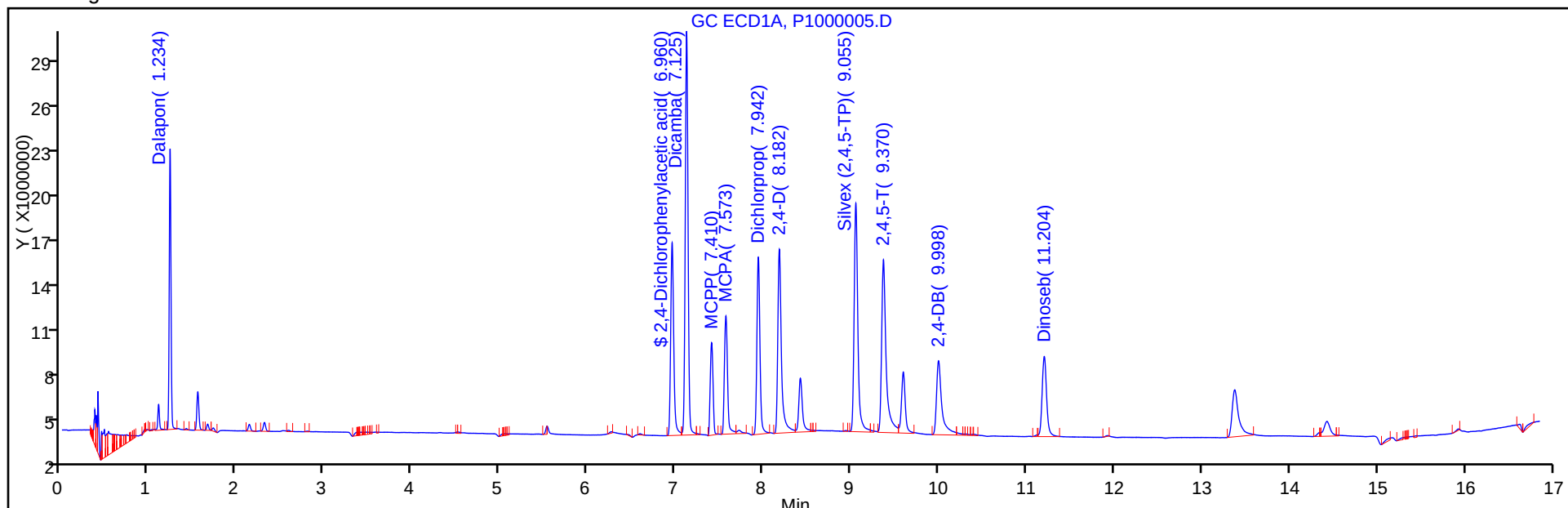
Operator ID: 001754

Injection Vol: 1.0 ul

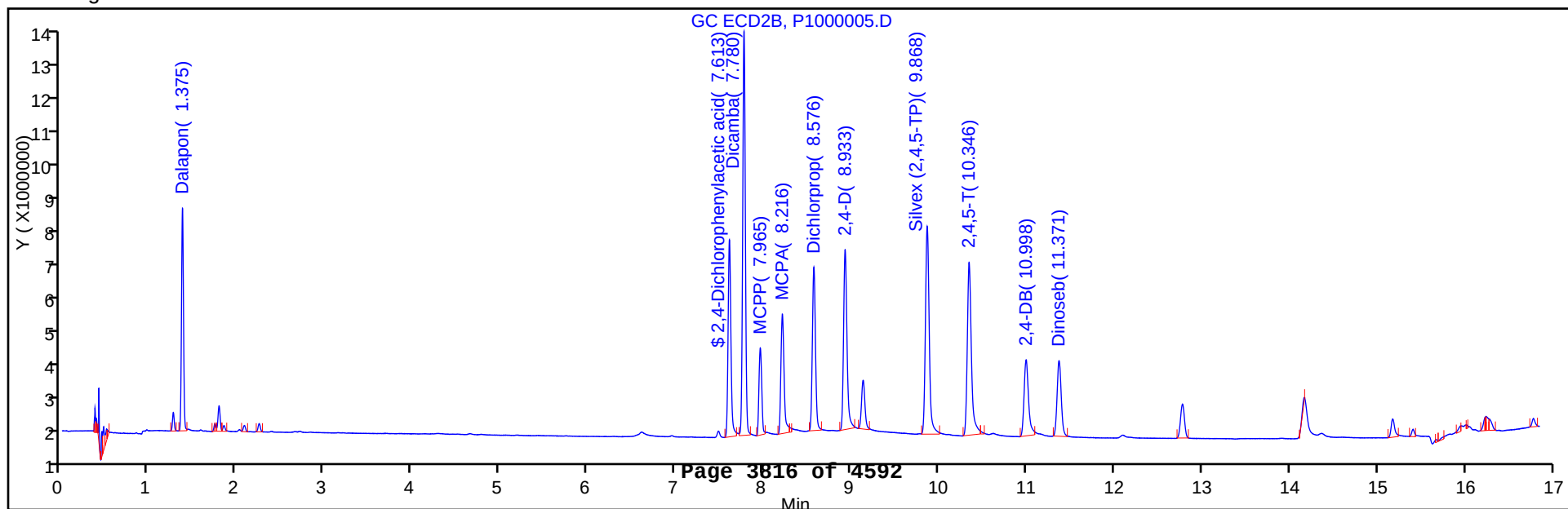
Column Type:

Column Dia:

Y Scaling:



Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18703-1
 SDG No.: _____
 Lab Sample ID: CCV 240-69890/15 Calibration Date: 12/22/2012 16:34
 Instrument ID: A2HP1 Calib Start Date: 12/03/2012 17:53
 GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 12/03/2012 19:52
 Lab File ID: P1000015.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dalapon	Ave	457412034	482373975		0.0422	0.0400	5.5	20.0
Dicamba	Ave	617859973	676595175		0.0438	0.0400	9.5	20.0
MCPP	Qua		772729		9.60	8.00	20.0	20.0
MCPA	Qua		994368		9.45	8.00	18.1	20.0
Dichlorprop	Ave	138436820	150530938		0.0870	0.0800	8.7	20.0
2,4-D	Ave	150538188	156604250		0.0832	0.0800	4.0	20.0
Silvex (2,4,5-TP)	Ave	763444311	779383450		0.0204	0.0200	2.1	20.0
2,4,5-T	Ave	613790425	586091450		0.0191	0.0200	-4.5	20.0
2,4-DB	Ave	63842790	62752575		0.0786	0.0800	-1.7	20.0
Dinoseb	Ave	505863757	479866417		0.0114	0.0120	-5.1	20.0
2,4-Dichlorophenylacetic acid	Ave	149068897	164028188		0.0880	0.0800	10.0	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18703-1
SDG No.: _____
Lab Sample ID: CCV 240-69890/15 Calibration Date: 12/22/2012 16:34
Instrument ID: A2HP1 Calib Start Date: 12/03/2012 17:53
GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 12/03/2012 19:52
Lab File ID: P1000015.D

Analyte	RT	RT WINDOW	
		FROM	TO
Dalapon	1.23	1.21	1.25
Dicamba	7.13	7.11	7.15
MCPPE	7.41	7.39	7.43
MCPA	7.57	7.55	7.59
Dichlorprop	7.94	7.92	7.96
2,4-D	8.18	8.16	8.20
Silvex (2,4,5-TP)	9.05	9.03	9.07
2,4,5-T	9.37	9.35	9.39
2,4-DB	10.00	9.98	10.02
Dinoseb	11.20	11.17	11.23
2,4-Dichlorophenylacetic acid	6.96	6.94	6.98

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP1\20121222-16119.b\P1000015.D
 Lims ID: CCV Client ID:
 Inject. Date: 22-Dec-2012 16:34:05 Dil. Factor: 1.0000
 Sample Type: CCV
 Sample ID: 240-0016119-015
 Misc. Info.:
 Operator: 001754 Instrument ID: A2HP1
 Injection Vol: 1.0 ul ALS Bottle#: 15
 Lims Batch ID: 69890 Lims Sample ID: 15
 Sublist: chrom-8151_1*sub2
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCCChrom\ChromData\A2HP1\20121222-16119.b\8151_1.m
 Last Update: 26-Dec-2012 15:31:14 Calib Date: 03-Dec-2012 19:52:08
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D
 Limit Group: GC 8151 DOD
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK028

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

5 Dalapon

1	1.233	1.233	0.000	19294959	0.0422	
2	1.378	1.378	0.000	6205725	0.0427	
RPD = 1.25						

\$ 4 2,4-Dichlorophenylacetic acid

1	6.958	6.958	0.000	13122255	0.0880	
2	7.617	7.617	0.000	5398633	0.0870	
RPD = 1.21						

6 Dicamba

1	7.125	7.125	0.000	27063807	0.0438	
2	7.784	7.784	0.000	11117303	0.0435	
RPD = 0.75						

10 MCPP

1	7.410	7.410	0.000	6181828	9.60	
2	7.968	7.968	0.000	2399434	8.88	
RPD = 7.83						

9 MCPA

1	7.572	7.572	0.000	7954940	9.45	
2	8.221	8.221	0.000	3222182	9.41	
RPD = 0.43						

7 Dichlorprop

1	7.943	7.943	0.000	12042475	0.0870	
2	8.580	8.580	0.000	4568139	0.0867	
RPD = 0.39						

2 2,4-D

1	8.182	8.182	0.000	12528340	0.0832	
2	8.937	8.937	0.000	4942084	0.0797	
RPD = 4.32						

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

12 Silvex (2,4,5-TP)

1	9.054	9.054	0.000	15587669	0.0204	
2	9.873	9.873	0.000	5759910	0.0203	
RPD = 0.64						

1 2,4,5-T

1	9.369	9.369	0.000	11721829	0.0191	
2	10.352	10.352	0.000	4761501	0.0196	
RPD = 2.73						

3 2,4-DB

1	9.998	9.998	0.000	5020206	0.0786	
2	11.002	11.002	0.000	2114037	0.0796	
RPD = 1.21						

8 Dinoseb

1	11.202	11.202	0.000	5758397	0.0114	
2	11.378	11.378	0.000	2196337	0.0114	
RPD = 0.22						

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP1\20121222-16119.b\P1000015.D

Injection Date: 22-Dec-2012 16:34:05

Limit Group: GC 8151 DOD

Client ID:

Instrument ID: A2HP1

Lims Batch ID: 69890

Lims Sample ID: 15

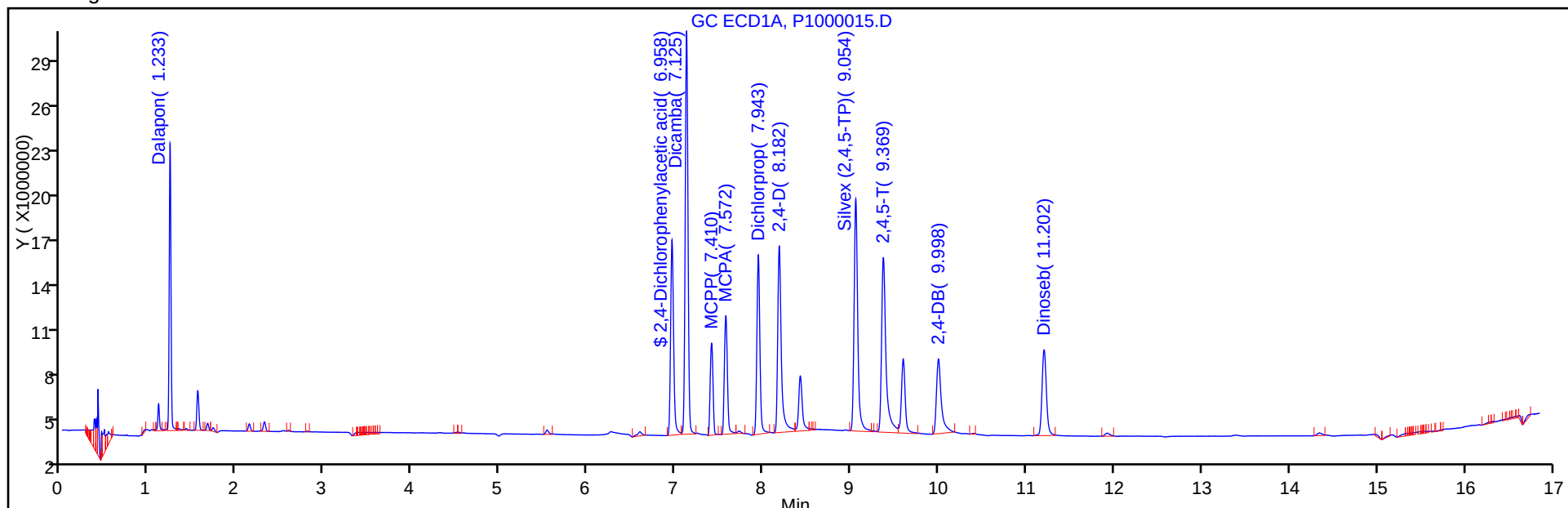
Operator ID: 001754

Injection Vol: 1.0 ul

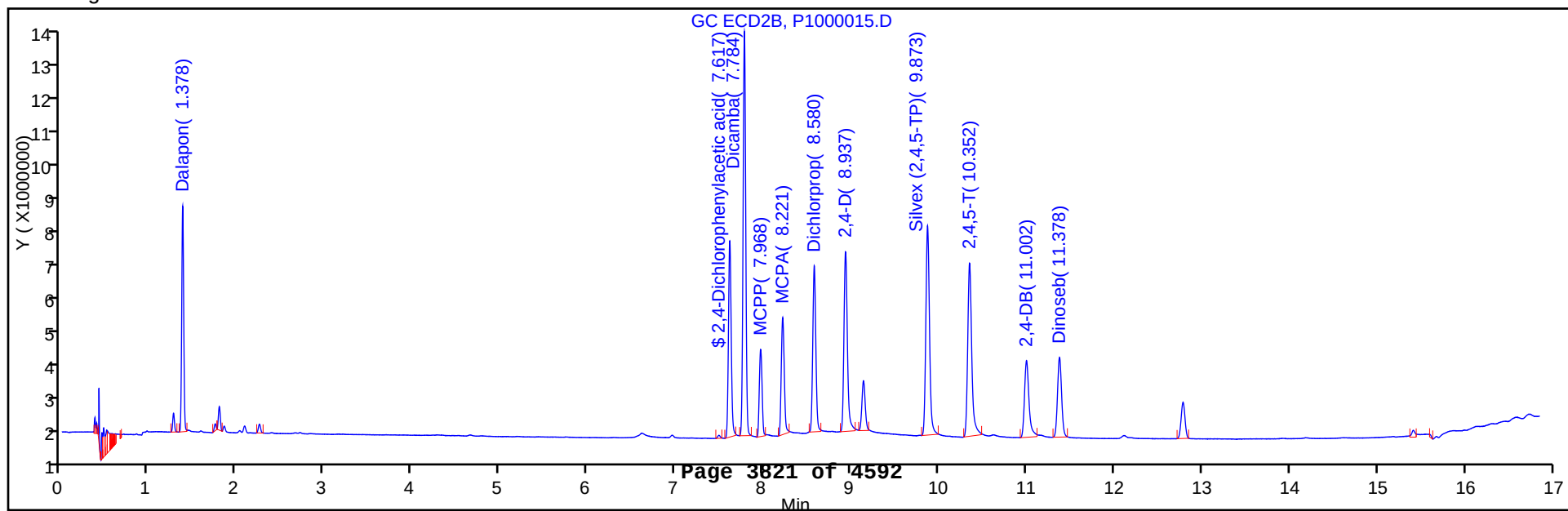
Column Type:

Column Dia:

Y Scaling:



Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18703-1
 SDG No.: _____
 Lab Sample ID: CCV 240-69890/15 Calibration Date: 12/22/2012 16:34
 Instrument ID: A2HP1 Calib Start Date: 12/03/2012 17:53
 GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 12/03/2012 19:52
 Lab File ID: P1000015.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dalapon	Ave	145285641	155143125		0.0427	0.0400	6.8	20.0
Dicamba	Ave	255708069	277932575		0.0435	0.0400	8.7	20.0
MCPP	Qua		299929		8.88	8.00	11.0	20.0
MCPA	Lin1		402773		9.41	8.00	17.6	20.0
Dichlorprop	Ave	52718146	57101738		0.0867	0.0800	8.3	20.0
2,4-D	Ave	62005138	61776050		0.0797	0.0800	-0.4	20.0
Silvex (2,4,5-TP)	Ave	283903898	287995500		0.0203	0.0200	1.4	20.0
2,4,5-T	Ave	242611790	238075050		0.0196	0.0200	-1.9	20.0
2,4-DB	Ave	26562352	26425463		0.0796	0.0800	-0.5	20.0
Dinoseb	Ave	193371382	183028083		0.0114	0.0120	-5.3	20.0
2,4-Dichlorophenylacetic acid	Ave	62078149	67482913		0.0870	0.0800	8.7	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18703-1
 SDG No.: _____
 Lab Sample ID: CCV 240-69890/15 Calibration Date: 12/22/2012 16:34
 Instrument ID: A2HP1 Calib Start Date: 12/03/2012 17:53
 GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 12/03/2012 19:52
 Lab File ID: P1000015.D

Analyte	RT	RT WINDOW	
		FROM	TO
Dalapon	1.38	1.36	1.40
Dicamba	7.78	7.76	7.80
MCPD	7.97	7.95	7.99
MCPA	8.22	8.20	8.24
Dichloroprop	8.58	8.56	8.60
2,4-D	8.94	8.92	8.96
Silvex (2,4,5-TP)	9.87	9.85	9.89
2,4,5-T	10.35	10.33	10.37
2,4-DB	11.00	10.98	11.02
Dinoseb	11.38	11.35	11.41
2,4-Dichlorophenylacetic acid	7.62	7.60	7.64

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP1\20121222-16119.b\P1000015.D
 Lims ID: CCV Client ID:
 Inject. Date: 22-Dec-2012 16:34:05 Dil. Factor: 1.0000
 Sample Type: CCV
 Sample ID: 240-0016119-015
 Misc. Info.:
 Operator: 001754 Instrument ID: A2HP1
 Injection Vol: 1.0 ul ALS Bottle#: 15
 Lims Batch ID: 69890 Lims Sample ID: 15
 Sublist: chrom-8151_1*sub2
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCCChrom\ChromData\A2HP1\20121222-16119.b\8151_1.m
 Last Update: 26-Dec-2012 15:31:14 Calib Date: 03-Dec-2012 19:52:08
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D
 Limit Group: GC 8151 DOD
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK028

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

5 Dalapon

1	1.233	1.233	0.000	19294959	0.0422	
2	1.378	1.378	0.000	6205725	0.0427	
RPD = 1.25						

\$ 4 2,4-Dichlorophenylacetic acid

1	6.958	6.958	0.000	13122255	0.0880	
2	7.617	7.617	0.000	5398633	0.0870	
RPD = 1.21						

6 Dicamba

1	7.125	7.125	0.000	27063807	0.0438	
2	7.784	7.784	0.000	11117303	0.0435	
RPD = 0.75						

10 MCPP

1	7.410	7.410	0.000	6181828	9.60	
2	7.968	7.968	0.000	2399434	8.88	
RPD = 7.83						

9 MCPA

1	7.572	7.572	0.000	7954940	9.45	
2	8.221	8.221	0.000	3222182	9.41	
RPD = 0.43						

7 Dichlorprop

1	7.943	7.943	0.000	12042475	0.0870	
2	8.580	8.580	0.000	4568139	0.0867	
RPD = 0.39						

2 2,4-D

1	8.182	8.182	0.000	12528340	0.0832	
2	8.937	8.937	0.000	4942084	0.0797	
RPD = 4.32						

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

12 Silvex (2,4,5-TP)

1	9.054	9.054	0.000	15587669	0.0204	
2	9.873	9.873	0.000	5759910	0.0203	
RPD = 0.64						

1 2,4,5-T

1	9.369	9.369	0.000	11721829	0.0191	
2	10.352	10.352	0.000	4761501	0.0196	
RPD = 2.73						

3 2,4-DB

1	9.998	9.998	0.000	5020206	0.0786	
2	11.002	11.002	0.000	2114037	0.0796	
RPD = 1.21						

8 Dinoseb

1	11.202	11.202	0.000	5758397	0.0114	
2	11.378	11.378	0.000	2196337	0.0114	
RPD = 0.22						

Report Date: 26-Dec-2012 15:31:15

Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP1\20121222-16119.b\P1000015.D

Injection Date: 22-Dec-2012 16:34:05

Limit Group: GC 8151 DOD

Client ID:

Instrument ID: A2HP1

Lims Batch ID: 69890

Lims Sample ID: 15

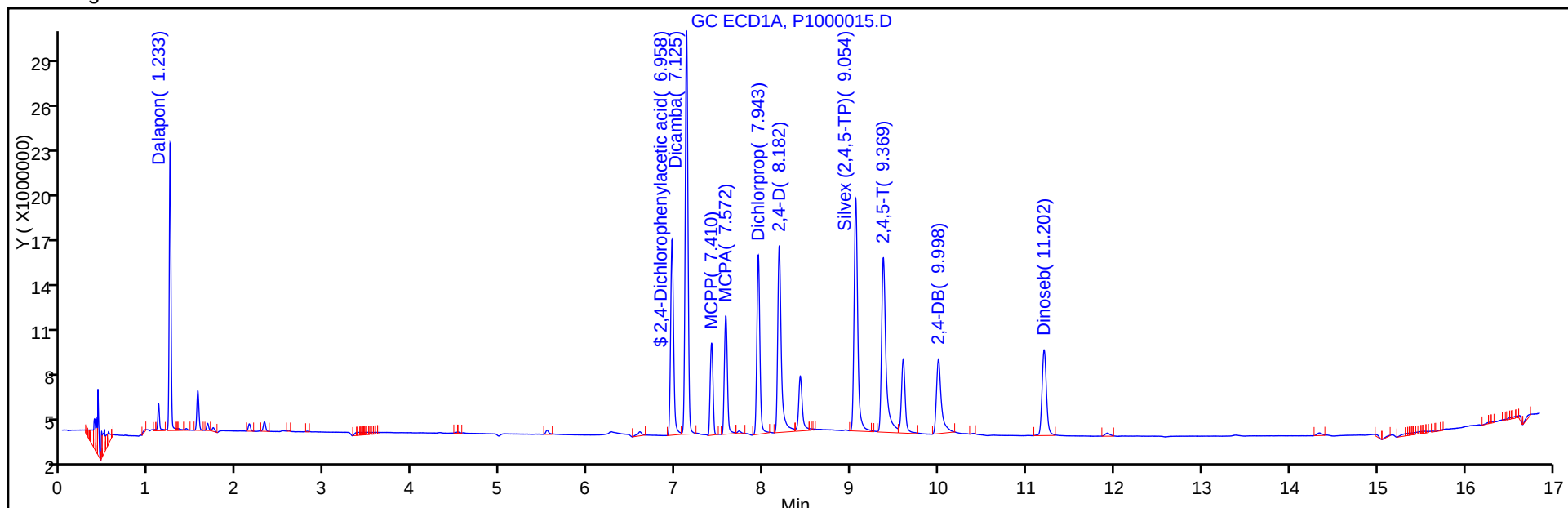
Operator ID: 001754

Injection Vol: 1.0 ul

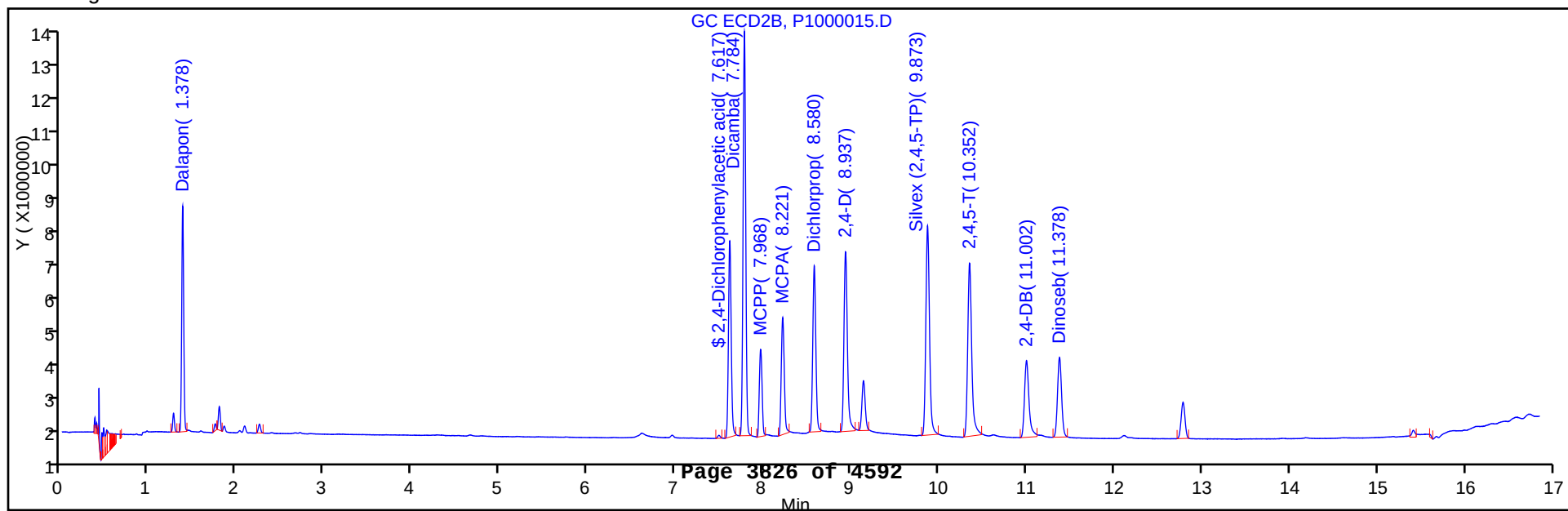
Column Type:

Column Dia:

Y Scaling:



Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18703-1
SDG No.: _____
Lab Sample ID: CCV 240-69890/16 Calibration Date: 12/22/2012 16:57
Instrument ID: A2HP1 Calib Start Date: 09/18/2012 13:18
GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 09/18/2012 15:16
Lab File ID: P1000016.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Pentachlorophenol	Lin1		2018550300		0.0110	0.0100	10.4	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18703-1
SDG No.: _____
Lab Sample ID: CCV 240-69890/16 Calibration Date: 12/22/2012 16:57
Instrument ID: A2HP1 Calib Start Date: 09/18/2012 13:18
GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 09/18/2012 15:16
Lab File ID: P1000016.D

Analyte	RT	RT WINDOW	
		FROM	TO
Pentachlorophenol	8.27	8.25	8.29

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP1\20121222-16119.b\P1000016.D
Lims ID: CCV PCP Client ID:
Inject. Date: 22-Dec-2012 16:57:40 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0016119-016
Misc. Info.:
Operator: 001754 Instrument ID: A2HP1
Injection Vol: 1.0 ul ALS Bottle#: 16
Lims Batch ID: 69890 Lims Sample ID: 16
Sublist: chrom-8151_1*sub1
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b
Method: \\NCChrom\ChromData\A2HP1\20121222-16119.b\8151_1.m
Last Update: 26-Dec-2012 15:31:16 Calib Date: 03-Dec-2012 19:52:08
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D
Limit Group: GC 8151 DOD
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK028

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

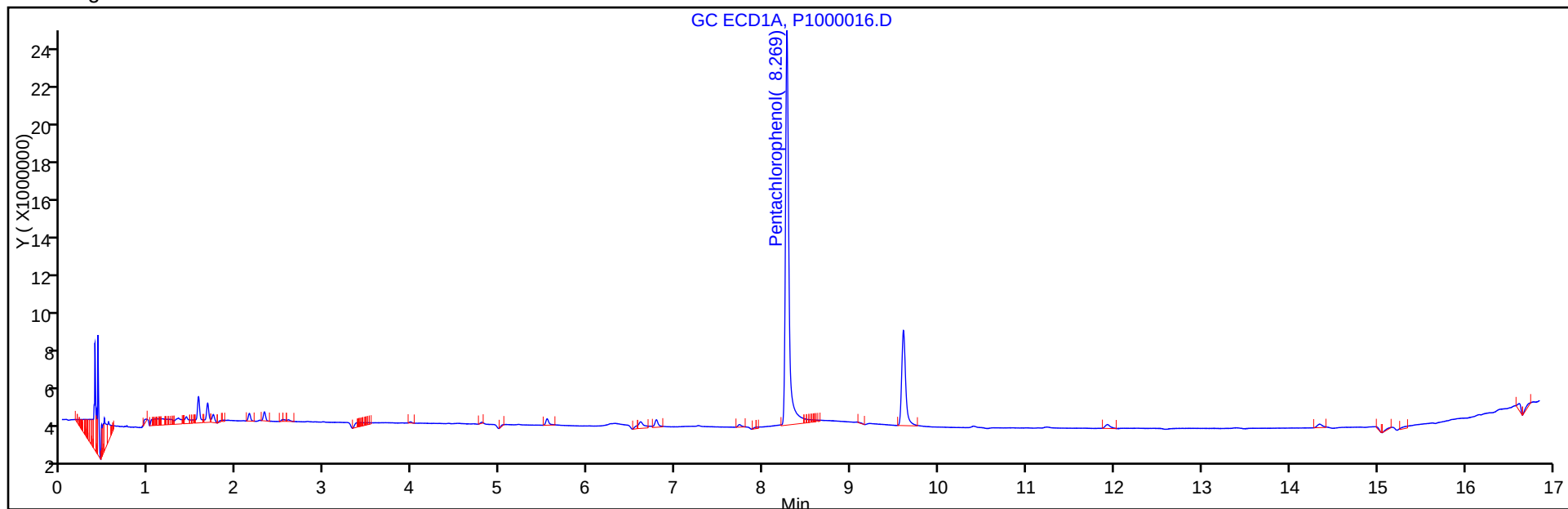
11 Pentachlorophenol

1	8.269	8.269	0.000	20185503	0.0110	
2	9.231	9.231	0.000	7860541	0.0102	

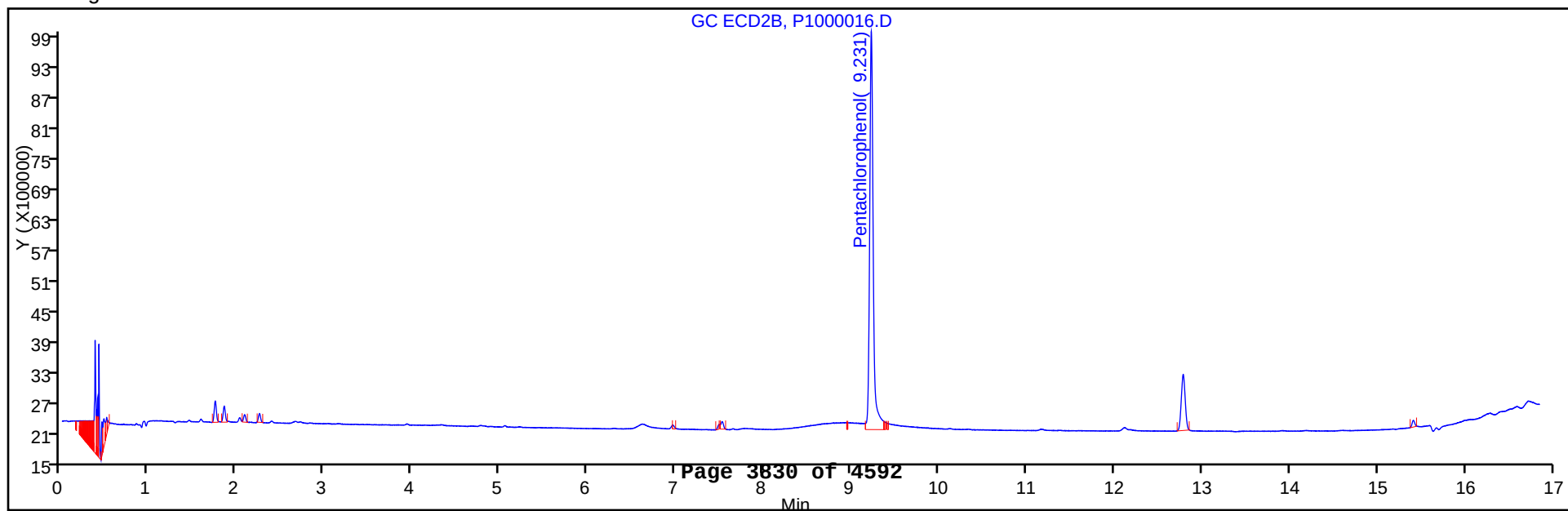
RPD = 7.76

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP1\20121222-16119.b\P1000016.D
Injection Date: 22-Dec-2012 16:57:40 Limit Group: GC 8151 DOD
Client ID: Instrument ID: A2HP1
Lims Batch ID: 69890 Lims Sample ID: 16
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.: 240-18703-1
SDG No.: _____
Lab Sample ID: CCV 240-69890/16 Calibration Date: 12/22/2012 16:57
Instrument ID: A2HP1 Calib Start Date: 09/18/2012 13:18
GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 09/18/2012 15:16
Lab File ID: P1000016.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Pentachlorophenol	Lin1		786054100		0.0102	0.0100	2.1	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18703-1
SDG No.: _____
Lab Sample ID: CCV 240-69890/16 Calibration Date: 12/22/2012 16:57
Instrument ID: A2HP1 Calib Start Date: 09/18/2012 13:18
GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 09/18/2012 15:16
Lab File ID: P1000016.D

Analyte	RT	RT WINDOW	
		FROM	TO
Pentachlorophenol	9.23	9.21	9.25

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP1\20121222-16119.b\P1000016.D
Lims ID: CCV PCP Client ID:
Inject. Date: 22-Dec-2012 16:57:40 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0016119-016
Misc. Info.:
Operator: 001754 Instrument ID: A2HP1
Injection Vol: 1.0 ul ALS Bottle#: 16
Lims Batch ID: 69890 Lims Sample ID: 16
Sublist: chrom-8151_1*sub1
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b
Method: \\NCChrom\ChromData\A2HP1\20121222-16119.b\8151_1.m
Last Update: 26-Dec-2012 15:31:16 Calib Date: 03-Dec-2012 19:52:08
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D
Limit Group: GC 8151 DOD
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK028

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

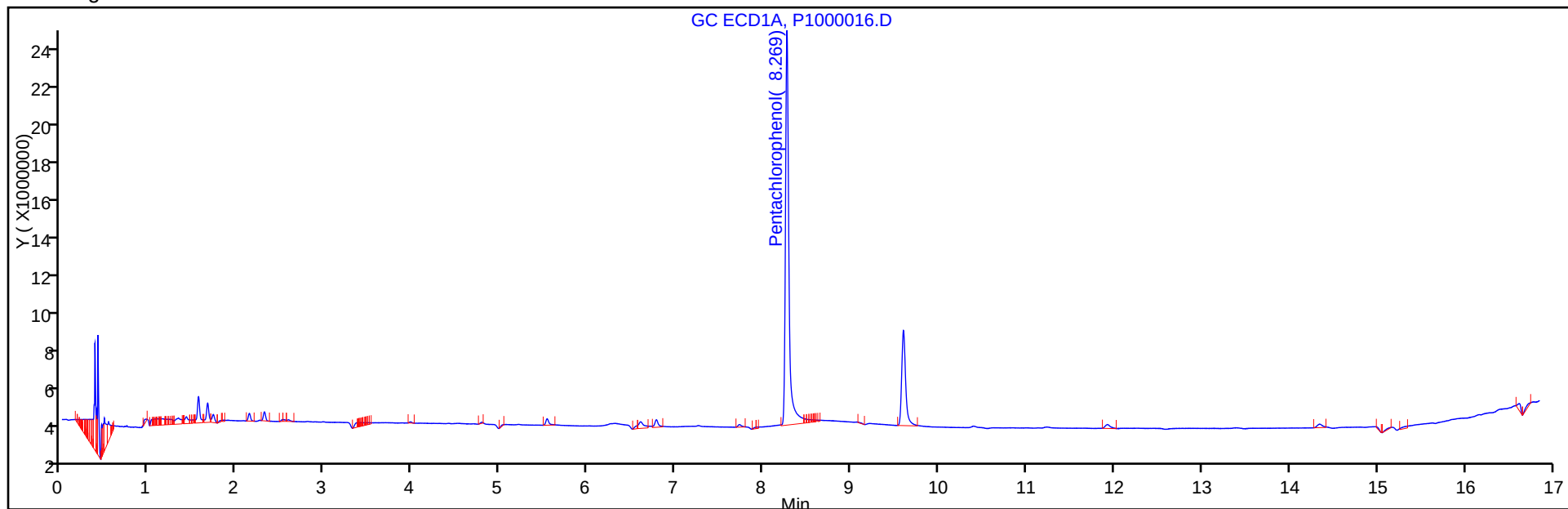
11 Pentachlorophenol

1	8.269	8.269	0.000	20185503	0.0110	
2	9.231	9.231	0.000	7860541	0.0102	

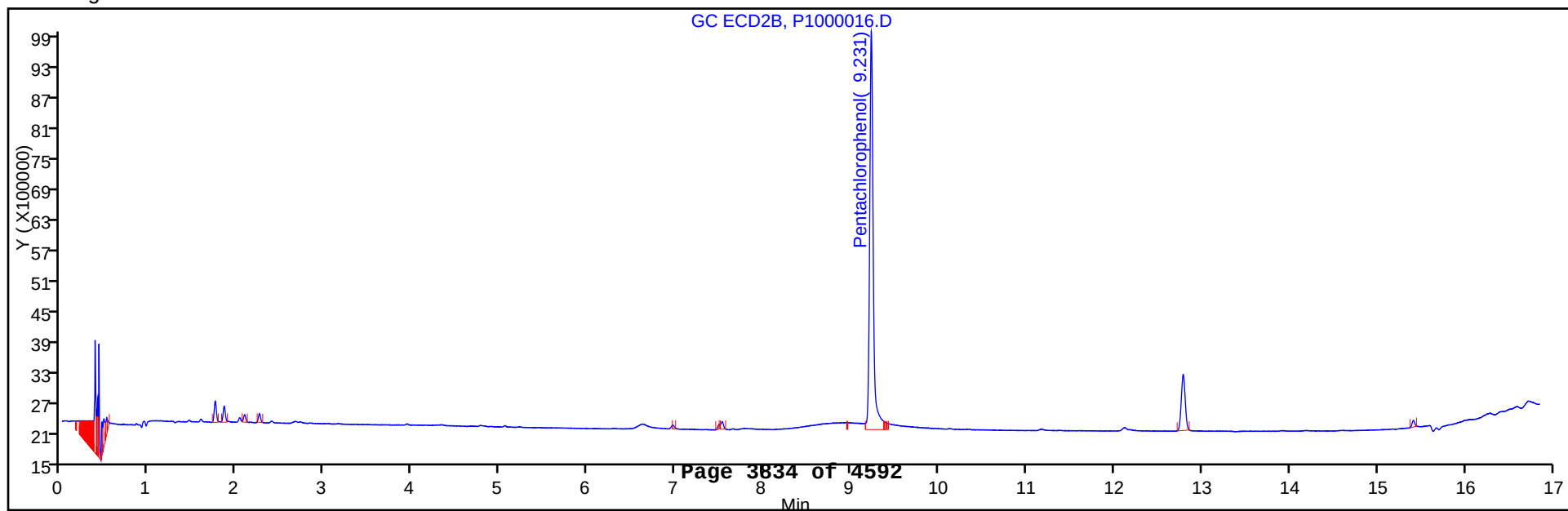
RPD = 7.76

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP1\20121222-16119.b\P1000016.D
Injection Date: 22-Dec-2012 16:57:40 Limit Group: GC 8151 DOD
Client ID: Instrument ID: A2HP1
Lims Batch ID: 69890 Lims Sample ID: 16
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.: 240-18703-1
 SDG No.: _____
 Lab Sample ID: CCV 240-69890/28 Calibration Date: 12/22/2012 21:40
 Instrument ID: A2HP1 Calib Start Date: 12/03/2012 17:53
 GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 12/03/2012 19:52
 Lab File ID: P1000028.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dalapon	Ave	457412034	448469725		0.0392	0.0400	-2.0	20.0
Dicamba	Ave	617859973	694471600		0.0450	0.0400	12.4	20.0
MCPP	Qua		791702		9.91	8.00	23.8*	20.0
MCPA	Qua		1018493		9.76	8.00	22.0*	20.0
Dichlorprop	Ave	138436820	155388400		0.0898	0.0800	12.2	20.0
2,4-D	Ave	150538188	167936400		0.0892	0.0800	11.6	20.0
Silvex (2,4,5-TP)	Ave	763444311	823449950		0.0216	0.0200	7.9	20.0
2,4,5-T	Ave	613790425	656135200		0.0214	0.0200	6.9	20.0
2,4-DB	Ave	63842790	70757563		0.0887	0.0800	10.8	20.0
Dinoseb	Ave	505863757	540379000		0.0128	0.0120	6.8	20.0
2,4-Dichlorophenylacetic acid	Ave	149068897	167683188		0.0900	0.0800	12.5	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18703-1
 SDG No.: _____
 Lab Sample ID: CCV 240-69890/28 Calibration Date: 12/22/2012 21:40
 Instrument ID: A2HP1 Calib Start Date: 12/03/2012 17:53
 GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 12/03/2012 19:52
 Lab File ID: P1000028.D

Analyte	RT	RT WINDOW	
		FROM	TO
Dalapon	1.24	1.22	1.26
Dicamba	7.13	7.11	7.15
MCPPE	7.41	7.39	7.43
MCPA	7.57	7.55	7.59
Dichlorprop	7.94	7.92	7.96
2,4-D	8.18	8.16	8.20
Silvex (2,4,5-TP)	9.06	9.04	9.08
2,4,5-T	9.37	9.35	9.39
2,4-DB	10.00	9.98	10.02
Dinoseb	11.20	11.17	11.23
2,4-Dichlorophenylacetic acid	6.96	6.94	6.98

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP1\20121222-16119.b\P1000028.D
 Lims ID: CCV Client ID:
 Inject. Date: 22-Dec-2012 21:40:17 Dil. Factor: 1.0000
 Sample Type: CCV
 Sample ID: 240-0016119-028
 Misc. Info.:
 Operator: 001754 Instrument ID: A2HP1
 Injection Vol: 1.0 ul ALS Bottle#: 28
 Lims Batch ID: 69890 Lims Sample ID: 28
 Sublist: chrom-8151_1*sub2
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCCChrom\ChromData\A2HP1\20121222-16119.b\8151_1.m
 Last Update: 26-Dec-2012 15:31:28 Calib Date: 03-Dec-2012 19:52:08
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D
 Limit Group: GC 8151 DOD
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK028

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

5 Dalapon

1	1.235	1.235	0.000	17938789	0.0392	
2	1.383	1.383	0.000	5705588	0.0393	
RPD = 0.14						

\$ 4 2,4-Dichlorophenylacetic acid

1	6.959	6.959	0.000	13414655	0.0900	
2	7.624	7.624	0.000	5448943	0.0878	
RPD = 2.49						

6 Dicamba

1	7.125	7.125	0.000	27778864	0.0450	
2	7.791	7.791	0.000	11145411	0.0436	
RPD = 3.10						

10 MCPP

1	7.410	7.410	0.000	6333613	9.91	
2	7.977	7.977	0.000	2435188	9.04	
RPD = 9.09						

9 MCPA

1	7.574	7.574	0.000	8147947	9.76	
2	8.229	8.229	0.000	3265549	9.57	
RPD = 1.97						

7 Dichlorprop

1	7.943	7.943	0.000	12431072	0.0898	
2	8.588	8.588	0.000	4694163	0.0890	
RPD = 0.84						

2 2,4-D

1	8.181	8.181	0.000	13434912	0.0892	
2	8.945	8.945	0.000	5274751	0.0851	
RPD = 4.79						

Data File: \\NCCchrom\ChromData\A2HP1\20121222-16119.b\1000028.D

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

12 Silvex (2,4,5-TP)

1	9.055	9.055	0.000	16468999	0.0216	
2	9.883	9.883	0.000	6048601	0.0213	
RPD = 1.24						

1 2,4,5-T

1	9.369	9.369	0.000	13122704	0.0214	
2	10.362	10.362	0.000	5175616	0.0213	
RPD = 0.22						

3 2,4-DB

1	9.997	9.997	0.000	5660605	0.0887	
2	11.014	11.014	0.000	2260374	0.0851	
RPD = 4.11						

8 Dinoseb

1	11.204	11.204	0.000	6484548	0.0128	
2	11.389	11.389	0.000	2417781	0.0125	
RPD = 2.49						

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP1\20121222-16119.b\P1000028.D

Injection Date: 22-Dec-2012 21:40:17

Limit Group: GC 8151 DOD

Client ID:

Instrument ID: A2HP1

Lims Batch ID: 69890

Lims Sample ID: 28

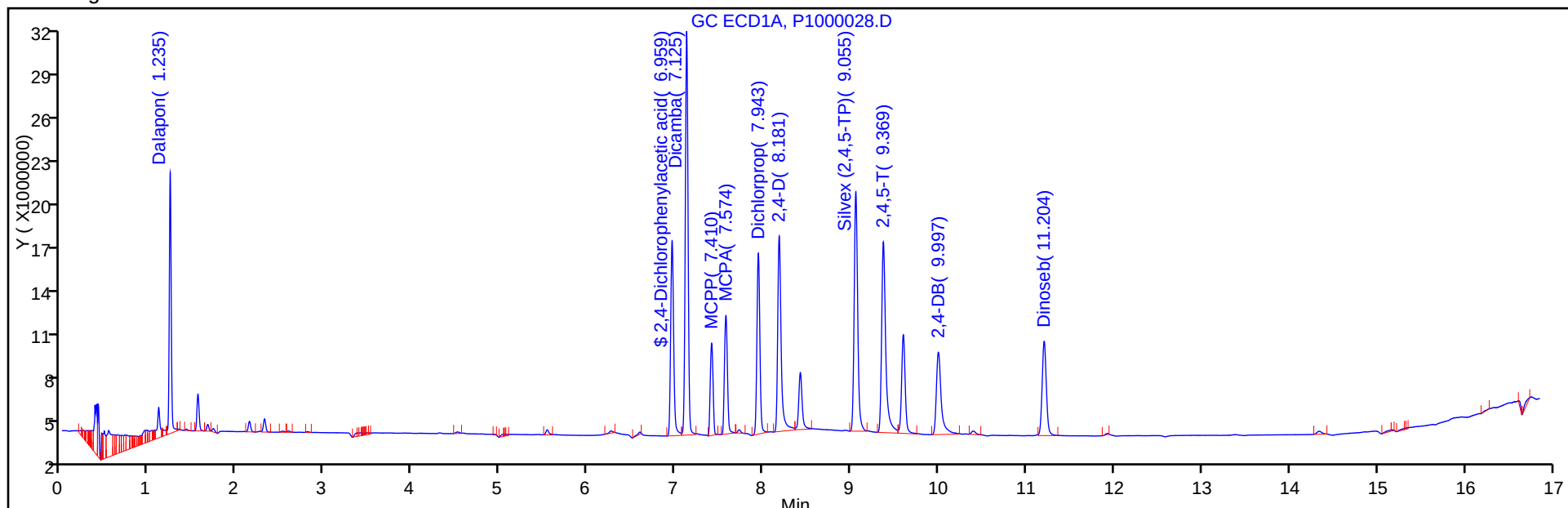
Operator ID: 001754

Injection Vol: 1.0 ul

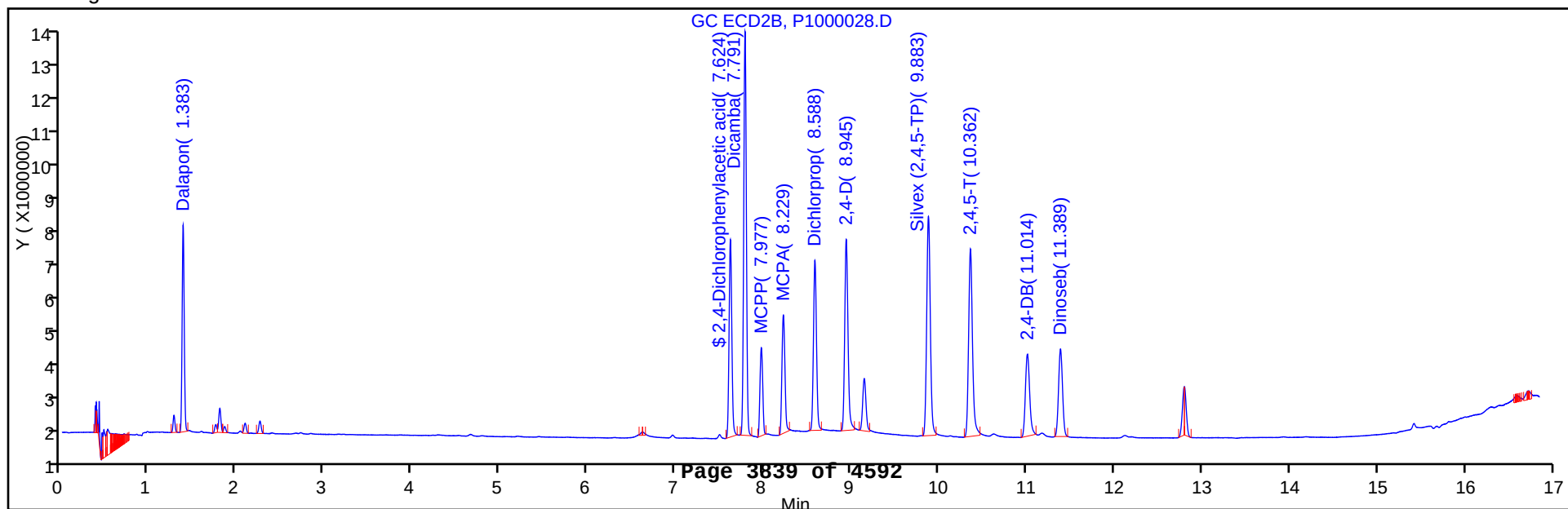
Column Type:

Column Dia:

Y Scaling:



Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18703-1

SDG No.: _____

Lab Sample ID: CCV 240-69890/28 Calibration Date: 12/22/2012 21:40

Instrument ID: A2HP1 Calib Start Date: 12/03/2012 17:53

GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 12/03/2012 19:52

Lab File ID: P1000028.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dalapon	Ave	145285641	142639700		0.0393	0.0400	-1.8	20.0
Dicamba	Ave	255708069	278635275		0.0436	0.0400	9.0	20.0
MCPD	Qua		304399		9.04	8.00	13.1	20.0
MCPA	Lin1		408194		9.57	8.00	19.7	20.0
Dichlorprop	Ave	52718146	58677038		0.0890	0.0800	11.3	20.0
2,4-D	Ave	62005138	65934388		0.0851	0.0800	6.3	20.0
Silvex (2,4,5-TP)	Ave	283903898	302430050		0.0213	0.0200	6.5	20.0
2,4,5-T	Ave	242611790	258780800		0.0213	0.0200	6.7	20.0
2,4-DB	Ave	26562352	28254675		0.0851	0.0800	6.4	20.0
Dinoseb	Ave	193371382	201481750		0.0125	0.0120	4.2	20.0
2,4-Dichlorophenylacetic acid	Ave	62078149	68111788		0.0878	0.0800	9.7	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18703-1
 SDG No.: _____
 Lab Sample ID: CCV 240-69890/28 Calibration Date: 12/22/2012 21:40
 Instrument ID: A2HP1 Calib Start Date: 12/03/2012 17:53
 GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 12/03/2012 19:52
 Lab File ID: P1000028.D

Analyte	RT	RT WINDOW	
		FROM	TO
Dalapon	1.38	1.36	1.40
Dicamba	7.79	7.77	7.81
MCPPE	7.98	7.96	8.00
MCPA	8.23	8.21	8.25
Dichlorprop	8.59	8.57	8.61
2,4-D	8.95	8.93	8.97
Silvex (2,4,5-TP)	9.88	9.86	9.90
2,4,5-T	10.36	10.34	10.38
2,4-DB	11.01	10.99	11.03
Dinoseb	11.39	11.36	11.42
2,4-Dichlorophenylacetic acid	7.62	7.60	7.64

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP1\20121222-16119.b\P1000028.D
 Lims ID: CCV Client ID:
 Inject. Date: 22-Dec-2012 21:40:17 Dil. Factor: 1.0000
 Sample Type: CCV
 Sample ID: 240-0016119-028
 Misc. Info.:
 Operator: 001754 Instrument ID: A2HP1
 Injection Vol: 1.0 ul ALS Bottle#: 28
 Lims Batch ID: 69890 Lims Sample ID: 28
 Sublist: chrom-8151_1*sub2
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCCChrom\ChromData\A2HP1\20121222-16119.b\8151_1.m
 Last Update: 26-Dec-2012 15:31:28 Calib Date: 03-Dec-2012 19:52:08
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D
 Limit Group: GC 8151 DOD
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK028

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

5 Dalapon

1	1.235	1.235	0.000	17938789	0.0392	
2	1.383	1.383	0.000	5705588	0.0393	
RPD = 0.14						

\$ 4 2,4-Dichlorophenylacetic acid

1	6.959	6.959	0.000	13414655	0.0900	
2	7.624	7.624	0.000	5448943	0.0878	
RPD = 2.49						

6 Dicamba

1	7.125	7.125	0.000	27778864	0.0450	
2	7.791	7.791	0.000	11145411	0.0436	
RPD = 3.10						

10 MCPP

1	7.410	7.410	0.000	6333613	9.91	
2	7.977	7.977	0.000	2435188	9.04	
RPD = 9.09						

9 MCPA

1	7.574	7.574	0.000	8147947	9.76	
2	8.229	8.229	0.000	3265549	9.57	
RPD = 1.97						

7 Dichlorprop

1	7.943	7.943	0.000	12431072	0.0898	
2	8.588	8.588	0.000	4694163	0.0890	
RPD = 0.84						

2 2,4-D

1	8.181	8.181	0.000	13434912	0.0892	
2	8.945	8.945	0.000	5274751	0.0851	
RPD = 4.79						

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

12 Silvex (2,4,5-TP)

1	9.055	9.055	0.000	16468999	0.0216	
2	9.883	9.883	0.000	6048601	0.0213	
RPD = 1.24						

1 2,4,5-T

1	9.369	9.369	0.000	13122704	0.0214	
2	10.362	10.362	0.000	5175616	0.0213	
RPD = 0.22						

3 2,4-DB

1	9.997	9.997	0.000	5660605	0.0887	
2	11.014	11.014	0.000	2260374	0.0851	
RPD = 4.11						

8 Dinoseb

1	11.204	11.204	0.000	6484548	0.0128	
2	11.389	11.389	0.000	2417781	0.0125	
RPD = 2.49						

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP1\20121222-16119.b\P1000028.D

Injection Date: 22-Dec-2012 21:40:17

Limit Group: GC 8151 DOD

Client ID:

Instrument ID: A2HP1

Lims Batch ID: 69890

Lims Sample ID: 28

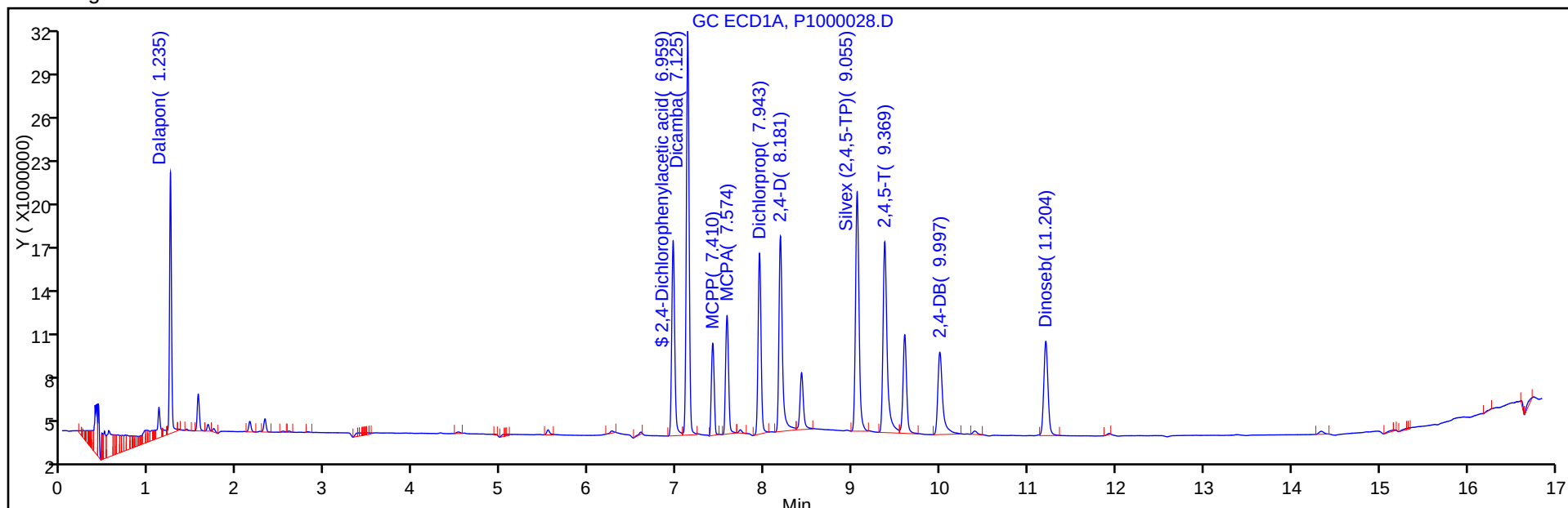
Operator ID: 001754

Injection Vol: 1.0 ul

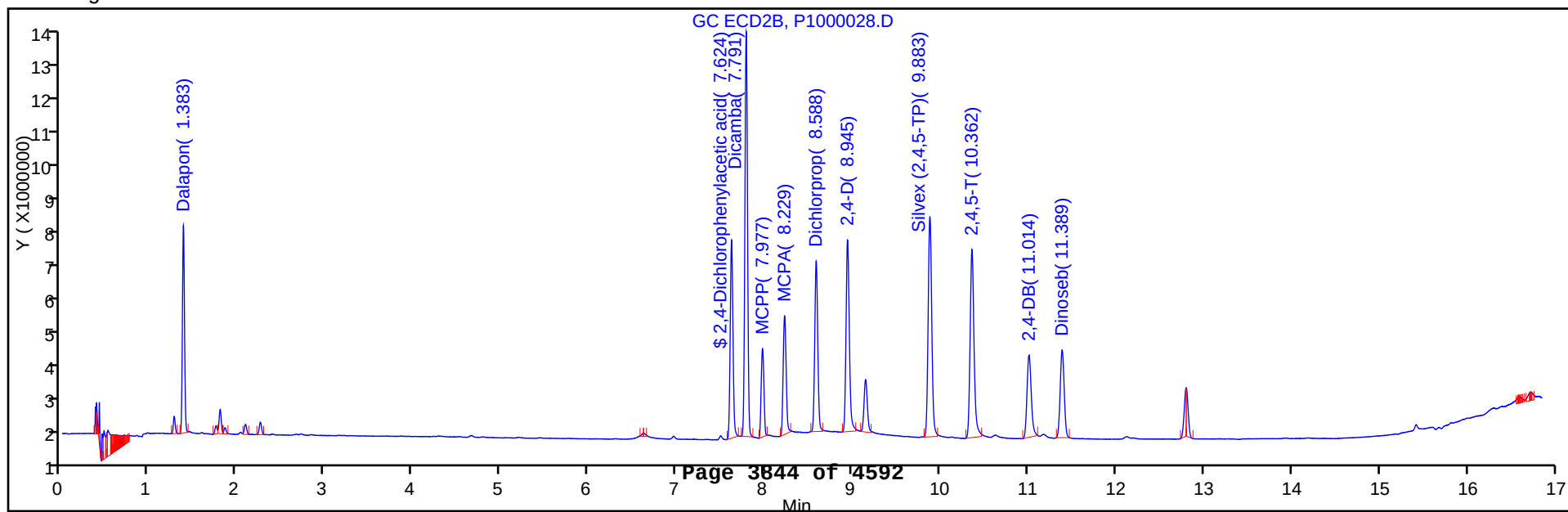
Column Type:

Column Dia:

Y Scaling:



Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18703-1
SDG No.: _____
Lab Sample ID: CCV 240-69890/29 Calibration Date: 12/22/2012 22:03
Instrument ID: A2HP1 Calib Start Date: 09/18/2012 13:18
GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 09/18/2012 15:16
Lab File ID: P1000029.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Pentachlorophenol	Lin1		2110943600		0.0116	0.0100	16.1	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18703-1
SDG No.: _____
Lab Sample ID: CCV 240-69890/29 Calibration Date: 12/22/2012 22:03
Instrument ID: A2HP1 Calib Start Date: 09/18/2012 13:18
GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 09/18/2012 15:16
Lab File ID: P1000029.D

Analyte	RT	RT WINDOW	
		FROM	TO
Pentachlorophenol	8.27	8.25	8.29

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP1\20121222-16119.b\P1000029.D
Lims ID: CCV PCP Client ID:
Inject. Date: 22-Dec-2012 22:03:43 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0016119-029
Misc. Info.:
Operator: 001754 Instrument ID: A2HP1
Injection Vol: 1.0 ul ALS Bottle#: 29
Lims Batch ID: 69890 Lims Sample ID: 29
Sublist: chrom-8151_1*sub1
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b
Method: \\NCChrom\ChromData\A2HP1\20121222-16119.b\8151_1.m
Last Update: 26-Dec-2012 15:31:30 Calib Date: 03-Dec-2012 19:52:08
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D
Limit Group: GC 8151 DOD
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK028

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

11 Pentachlorophenol

1	8.269	8.269	0.000	21109436	0.0116	
2	9.240	9.240	0.000	7912042	0.0103	

RPD = 12.05

Report Date: 26-Dec-2012 15:31:30

Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP1\20121222-16119.b\P1000029.D

Injection Date: 22-Dec-2012 22:03:43

Limit Group: GC 8151 DOD

Client ID:

Instrument ID: A2HP1

Lims Batch ID: 69890

Lims Sample ID: 29

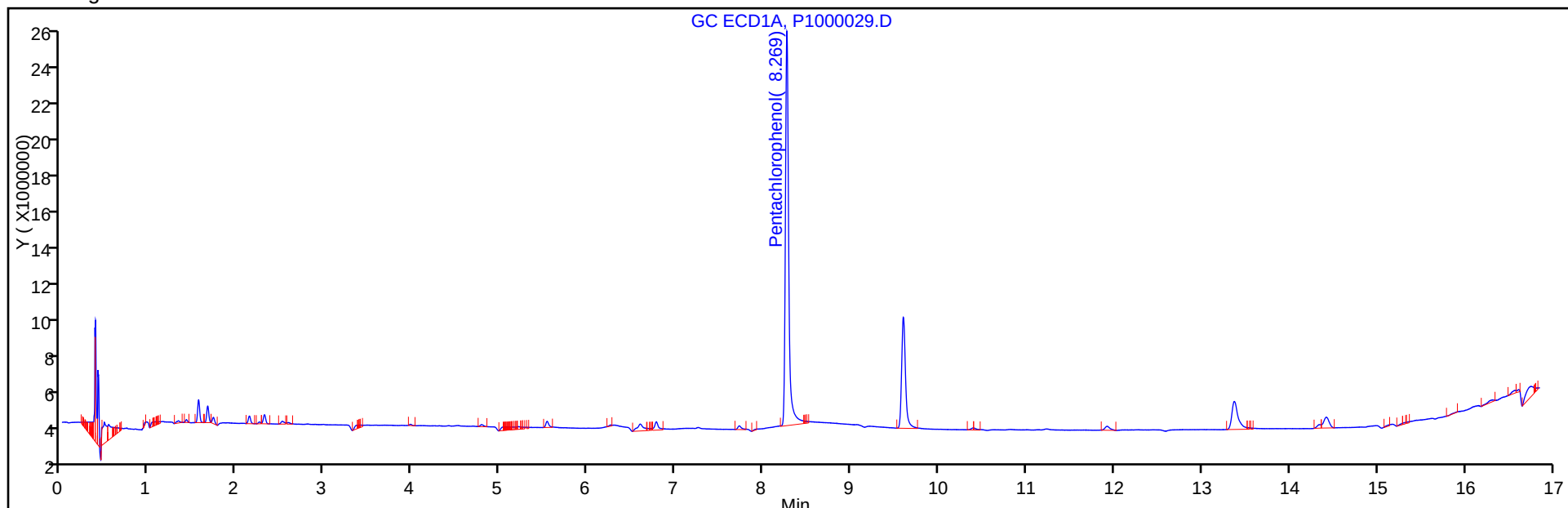
Operator ID: 001754

Injection Vol: 1.0 ul

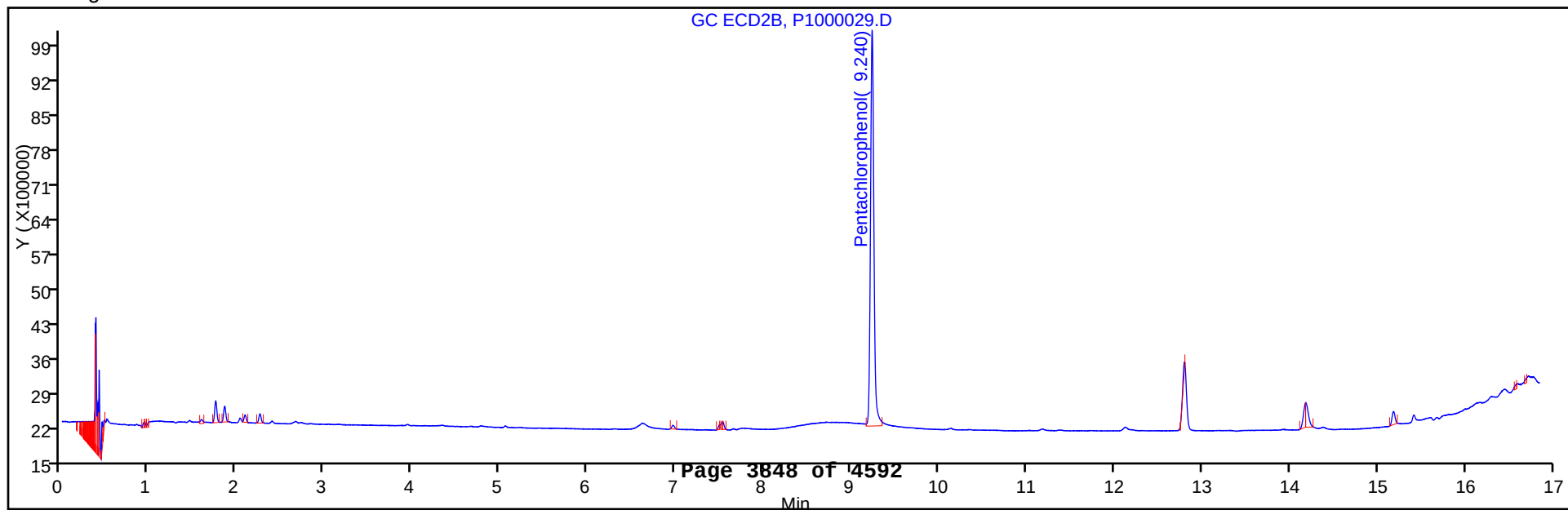
Column Type:

Column Dia:

Y Scaling:



Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18703-1
SDG No.: _____
Lab Sample ID: CCV 240-69890/29 Calibration Date: 12/22/2012 22:03
Instrument ID: A2HP1 Calib Start Date: 09/18/2012 13:18
GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 09/18/2012 15:16
Lab File ID: P1000029.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Pentachlorophenol	Lin1		791204200		0.0103	0.0100	2.9	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18703-1
SDG No.: _____
Lab Sample ID: CCV 240-69890/29 Calibration Date: 12/22/2012 22:03
Instrument ID: A2HP1 Calib Start Date: 09/18/2012 13:18
GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 09/18/2012 15:16
Lab File ID: P1000029.D

Analyte	RT	RT WINDOW	
		FROM	TO
Pentachlorophenol	9.24	9.22	9.26

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP1\20121222-16119.b\P1000029.D
Lims ID: CCV PCP Client ID:
Inject. Date: 22-Dec-2012 22:03:43 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0016119-029
Misc. Info.:
Operator: 001754 Instrument ID: A2HP1
Injection Vol: 1.0 ul ALS Bottle#: 29
Lims Batch ID: 69890 Lims Sample ID: 29
Sublist: chrom-8151_1*sub1
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b
Method: \\NCChrom\ChromData\A2HP1\20121222-16119.b\8151_1.m
Last Update: 26-Dec-2012 15:31:30 Calib Date: 03-Dec-2012 19:52:08
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D
Limit Group: GC 8151 DOD
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK028

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

11 Pentachlorophenol

1	8.269	8.269	0.000	21109436	0.0116	
2	9.240	9.240	0.000	7912042	0.0103	

RPD = 12.05

Report Date: 26-Dec-2012 15:31:31

Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP1\20121222-16119.b\P1000029.D

Injection Date: 22-Dec-2012 22:03:43

Limit Group: GC 8151 DOD

Client ID:

Instrument ID: A2HP1

Lims Batch ID: 69890

Lims Sample ID: 29

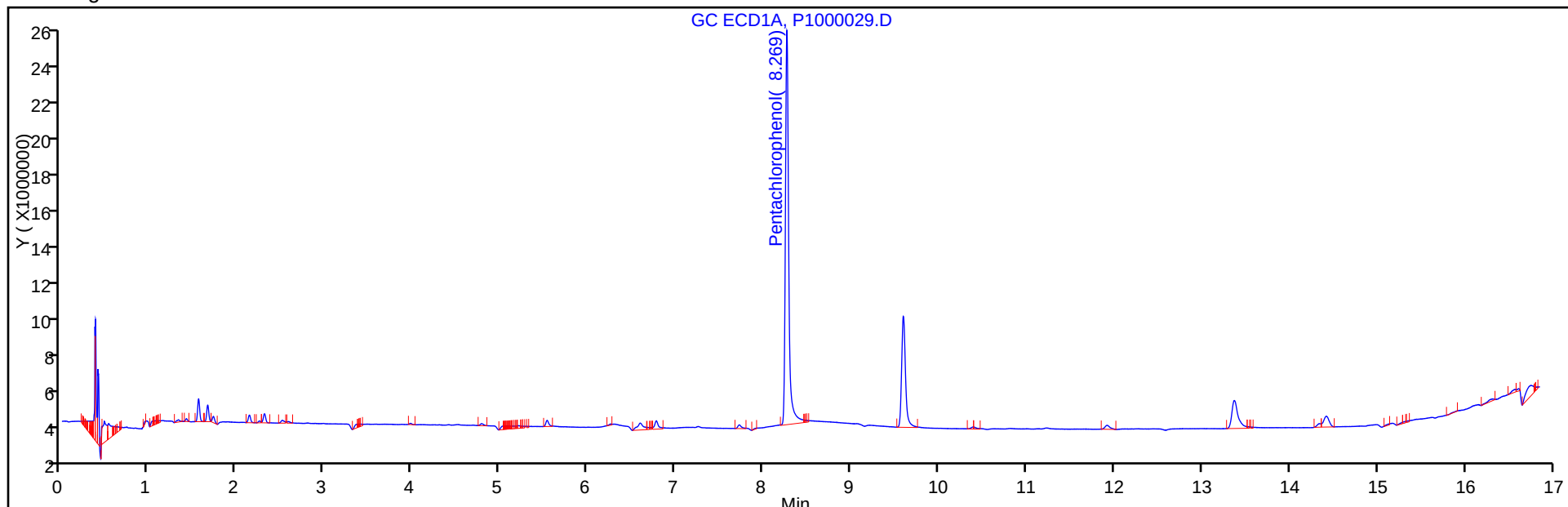
Operator ID: 001754

Injection Vol: 1.0 ul

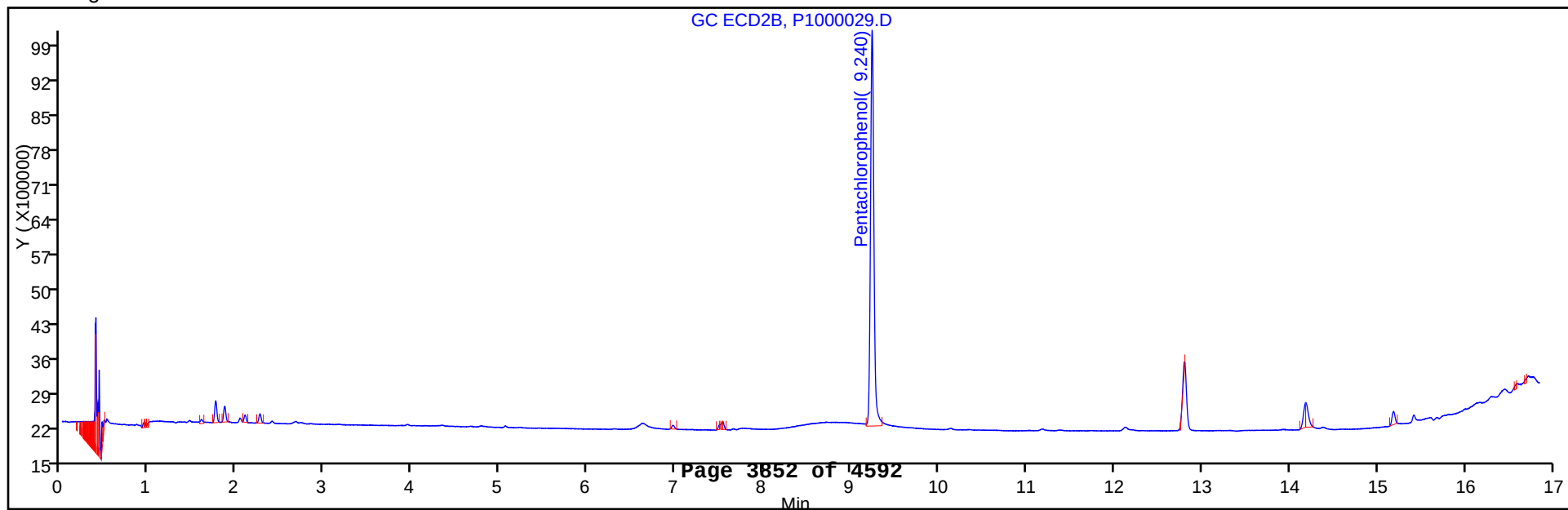
Column Type:

Column Dia:

Y Scaling:



Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18703-1
 SDG No.: _____
 Lab Sample ID: CCV 240-69890/39 Calibration Date: 12/23/2012 01:59
 Instrument ID: A2HP1 Calib Start Date: 12/03/2012 17:53
 GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 12/03/2012 19:52
 Lab File ID: P1000039.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dalapon	Ave	457412034	450514700		0.0394	0.0400	-1.5	20.0
Dicamba	Ave	617859973	690692000		0.0447	0.0400	11.8	20.0
MCPP	Qua		792163		9.91	8.00	23.9*	20.0
MCPA	Qua		1020578		9.79	8.00	22.4*	20.0
Dichlorprop	Ave	138436820	156091100		0.0902	0.0800	12.8	20.0
2,4-D	Ave	150538188	168621925		0.0896	0.0800	12.0	20.0
Silvex (2,4,5-TP)	Ave	763444311	826113100		0.0216	0.0200	8.2	20.0
2,4,5-T	Ave	613790425	644560150		0.0210	0.0200	5.0	20.0
2,4-DB	Ave	63842790	69781300		0.0874	0.0800	9.3	20.0
Dinoseb	Ave	505863757	530726667		0.0126	0.0120	4.9	20.0
2,4-Dichlorophenylacetic acid	Ave	149068897	169720400		0.0911	0.0800	13.9	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18703-1
SDG No.: _____
Lab Sample ID: CCV 240-69890/39 Calibration Date: 12/23/2012 01:59
Instrument ID: A2HP1 Calib Start Date: 12/03/2012 17:53
GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 12/03/2012 19:52
Lab File ID: P1000039.D

Analyte	RT	RT WINDOW	
		FROM	TO
Dalapon	1.24	1.22	1.26
Dicamba	7.13	7.11	7.15
MCPPE	7.41	7.39	7.43
MCPA	7.58	7.56	7.60
Dichlorprop	7.95	7.93	7.97
2,4-D	8.18	8.16	8.20
Silvex (2,4,5-TP)	9.06	9.04	9.08
2,4,5-T	9.37	9.35	9.39
2,4-DB	10.00	9.98	10.02
Dinoseb	11.21	11.18	11.24
2,4-Dichlorophenylacetic acid	6.96	6.94	6.98

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP1\20121222-16119.b\P1000039.D
 Lims ID: CCV Client ID:
 Inject. Date: 23-Dec-2012 01:59:03 Dil. Factor: 1.0000
 Sample Type: CCV
 Sample ID: 240-0016119-039
 Misc. Info.:
 Operator: 001754 Instrument ID: A2HP1
 Injection Vol: 1.0 ul ALS Bottle#: 39
 Lims Batch ID: 69890 Lims Sample ID: 39
 Sublist: chrom-8151_1*sub2
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCCChrom\ChromData\A2HP1\20121222-16119.b\8151_1.m
 Last Update: 26-Dec-2012 15:31:39 Calib Date: 03-Dec-2012 19:52:08
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D
 Limit Group: GC 8151 DOD
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK028

First Level Reviewer: bolgrind

Date:

24-Dec-2012 10:11:11

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

5 Dalapon

1	1.236	1.236	0.000	18020588	0.0394	
2	1.371	1.371	0.000	6046673	0.0416	
RPD = 5.49						

\$ 4 2,4-Dichlorophenylacetic acid

1	6.963	6.963	0.000	13577632	0.0911	
2	7.606	7.606	0.000	5689806	0.0917	
RPD = 0.63						

6 Dicamba

1	7.129	7.129	0.000	27627680	0.0447	
2	7.773	7.773	0.000	11416370	0.0446	
RPD = 0.15						

10 MCPP

1	7.413	7.413	0.000	6337300	9.91	
2	7.960	7.960	0.000	2452907	9.13	
RPD = 8.26						

9 MCPA

1	7.576	7.576	0.000	8164622	9.79	
2	8.210	8.210	0.000	3326968	9.81	
RPD = 0.19						

7 Dichlorprop

1	7.946	7.946	0.000	12487288	0.0902	
2	8.569	8.569	0.000	4756314	0.0902	
RPD = 0.02						

2 2,4-D

1	8.184	8.184	0.000	13489754	0.0896	
2	8.924	8.924	0.000	5477279	0.0883	
RPD = 1.43						

Data File: \\NCCChrom\ChromData\A2HP1\20121222-16119.b\1000039.D

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
12 Silvex (2,4,5-TP)						
1	9.058	9.058	0.000	16522262	0.0216	
2	9.859	9.859	0.000	6229371	0.0219	
RPD = 1.38						
1 2,4,5-T						
1	9.373	9.373	0.000	12891203	0.0210	
2	10.336	10.336	0.000	5216907	0.0215	
RPD = 2.35						
3 2,4-DB						
1	10.001	10.001	0.000	5582504	0.0874	M
2	10.987	10.987	0.000	2298025	0.0865	M
RPD = 1.07						
8 Dinoseb						
1	11.207	11.207	0.000	6368720	0.0126	M
2	11.361	11.361	0.000	2446604	0.0127	M
RPD = 0.50						

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 26-Dec-2012 15:31:40

Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP1\20121222-16119.b\P1000039.D

Injection Date: 23-Dec-2012 01:59:03

Limit Group: GC 8151 DOD

Client ID:

Instrument ID: A2HP1

Lims Batch ID: 69890

Lims Sample ID: 39

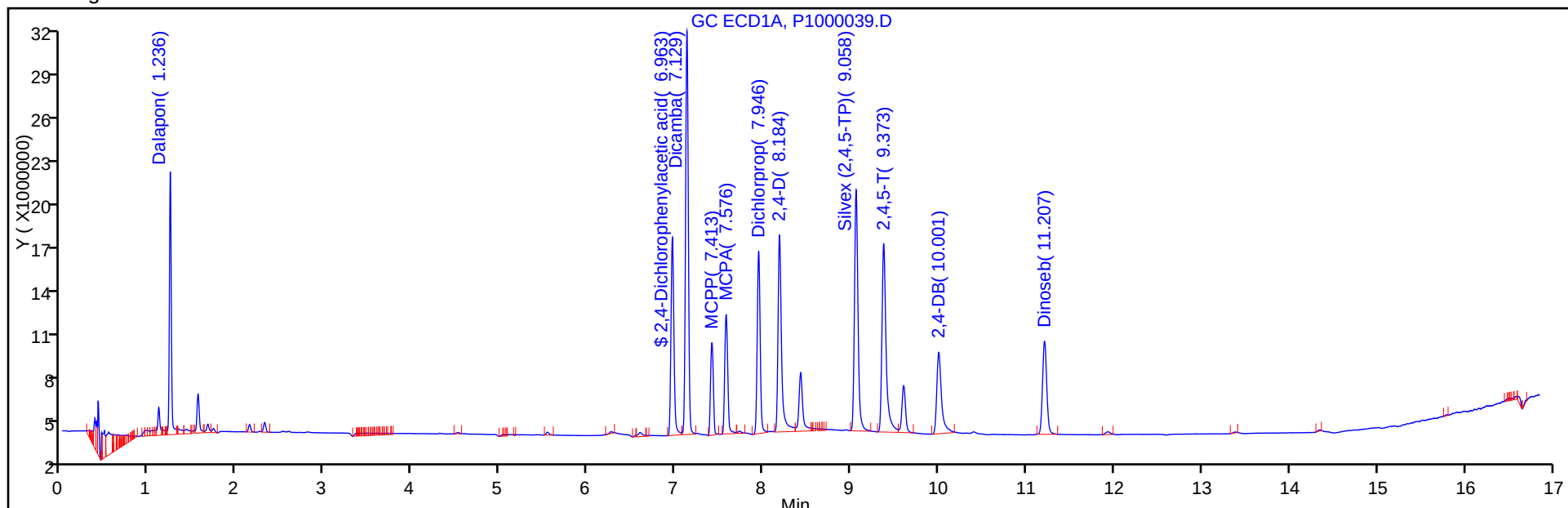
Operator ID: 001754

Injection Vol: 1.0 ul

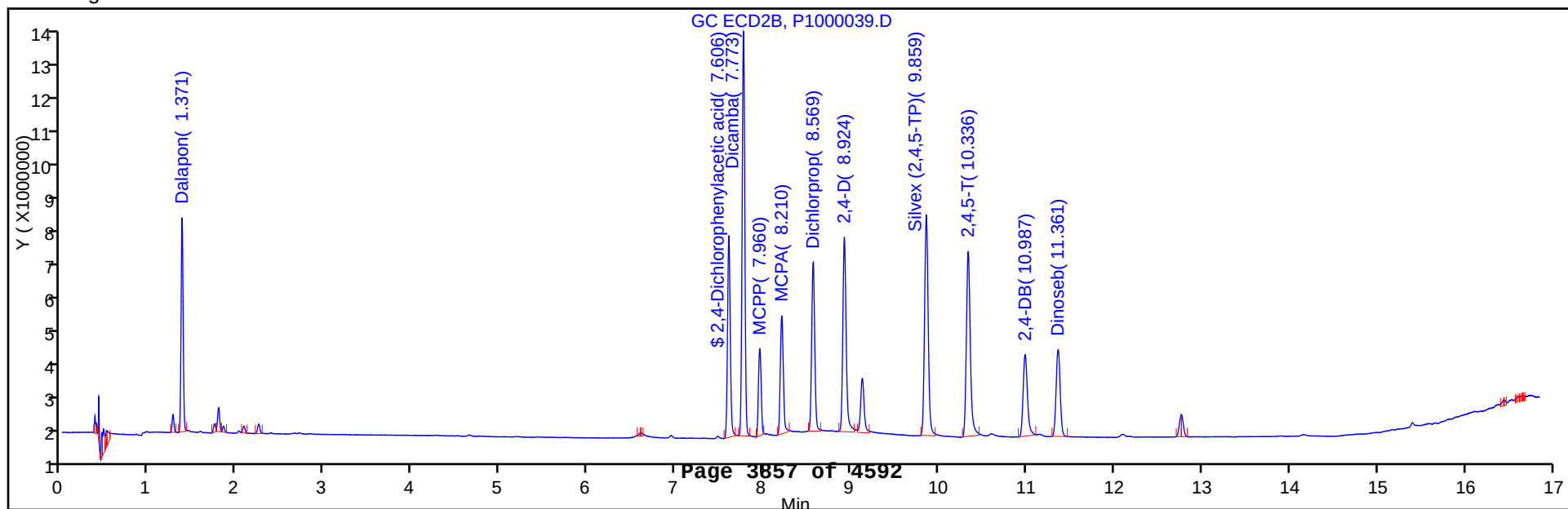
Column Type:

Column Dia:

Y Scaling:



Y Scaling:



TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP1\20121222-16119.b\P1000039.D

Injection Date: 23-Dec-2012 01:59:03

Limit Group: GC 8151 DOD

Client ID:

Instrument ID: A2HP1

Lims Batch ID: 69890

Lims Sample ID: 39

Operator ID: 001754

Injection Vol: 1.0 ul

Column Type:

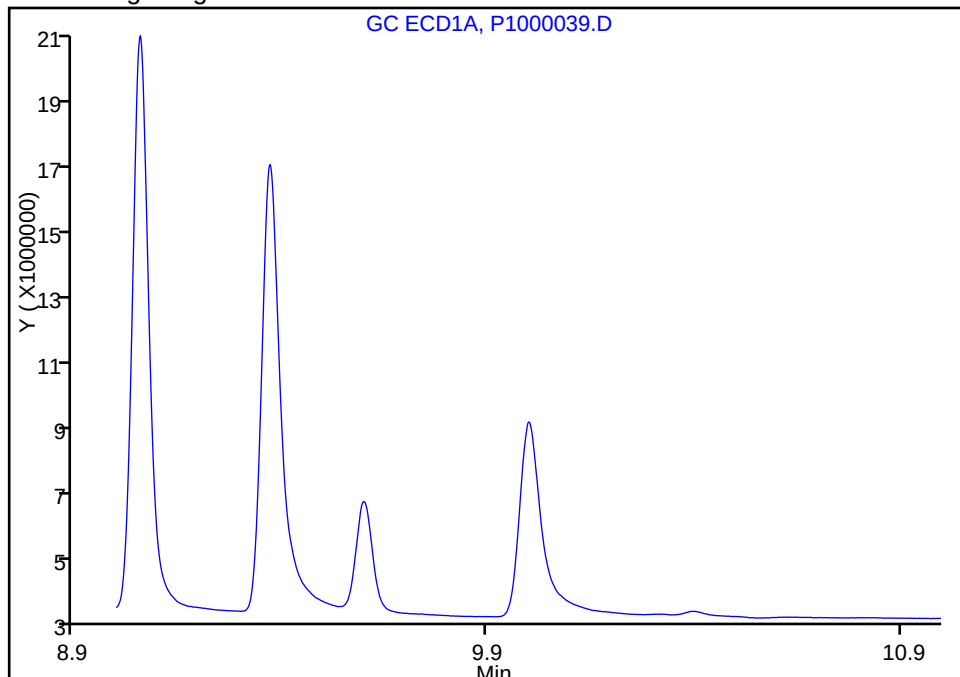
Column Dia:

3 2,4-DB, Signal: 1, Type: quant, RT: 10.00, Det: GC ECD1A

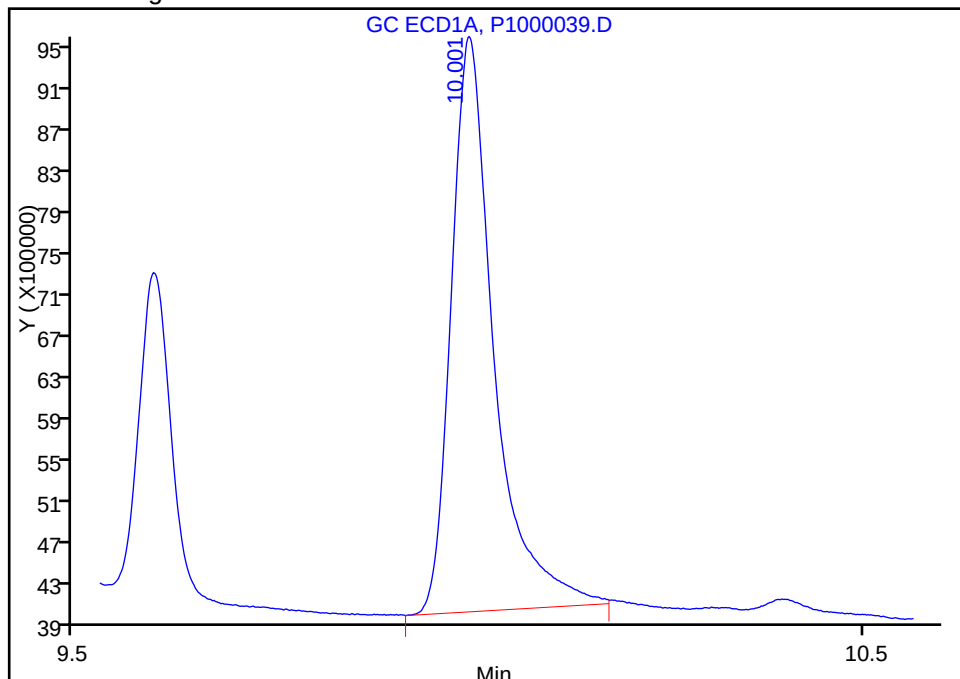
Not Detected

Expected RT: 10.00

Processing Integration Results



Manual Integration Results



RT: 10.00

Response: 5582504

Amount: 0.087441

Reviewer: bolgrind, 24-Dec-2012 10:11:11

Audit Action: Assigned Compound ID

Audit Reason: Baseline Event

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18703-1
 SDG No.: _____
 Lab Sample ID: CCV 240-69890/39 Calibration Date: 12/23/2012 01:59
 Instrument ID: A2HP1 Calib Start Date: 12/03/2012 17:53
 GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 12/03/2012 19:52
 Lab File ID: P1000039.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dalapon	Ave	145285641	151166825		0.0416	0.0400	4.0	20.0
Dicamba	Ave	255708069	285409250		0.0446	0.0400	11.6	20.0
MCPD	Qua		306613		9.13	8.00	14.1	20.0
MCPA	Lin1		415871		9.81	8.00	22.6*	20.0
Dichlorprop	Ave	52718146	59453925		0.0902	0.0800	12.8	20.0
2,4-D	Ave	62005138	68465988		0.0883	0.0800	10.4	20.0
Silvex (2,4,5-TP)	Ave	283903898	311468550		0.0219	0.0200	9.7	20.0
2,4,5-T	Ave	242611790	260845350		0.0215	0.0200	7.5	20.0
2,4-DB	Ave	26562352	28725313		0.0865	0.0800	8.1	20.0
Dinoseb	Ave	193371382	203883667		0.0127	0.0120	5.4	20.0
2,4-Dichlorophenylacetic acid	Ave	62078149	71122575		0.0917	0.0800	14.6	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18703-1
SDG No.: _____
Lab Sample ID: CCV 240-69890/39 Calibration Date: 12/23/2012 01:59
Instrument ID: A2HP1 Calib Start Date: 12/03/2012 17:53
GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 12/03/2012 19:52
Lab File ID: P1000039.D

Analyte	RT	RT WINDOW	
		FROM	TO
Dalapon	1.37	1.35	1.39
Dicamba	7.77	7.75	7.79
MCPD	7.96	7.94	7.98
MCPA	8.21	8.19	8.23
Dichloroprop	8.57	8.55	8.59
2,4-D	8.92	8.90	8.94
Silvex (2,4,5-TP)	9.86	9.84	9.88
2,4,5-T	10.34	10.32	10.36
2,4-DB	10.99	10.97	11.01
Dinoseb	11.36	11.33	11.39
2,4-Dichlorophenylacetic acid	7.61	7.59	7.63

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP1\20121222-16119.b\P1000039.D
 Lims ID: CCV Client ID:
 Inject. Date: 23-Dec-2012 01:59:03 Dil. Factor: 1.0000
 Sample Type: CCV
 Sample ID: 240-0016119-039
 Misc. Info.:
 Operator: 001754 Instrument ID: A2HP1
 Injection Vol: 1.0 ul ALS Bottle#: 39
 Lims Batch ID: 69890 Lims Sample ID: 39
 Sublist: chrom-8151_1*sub2
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCCChrom\ChromData\A2HP1\20121222-16119.b\8151_1.m
 Last Update: 26-Dec-2012 15:31:39 Calib Date: 03-Dec-2012 19:52:08
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D
 Limit Group: GC 8151 DOD
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK028

First Level Reviewer: bolgrind

Date:

24-Dec-2012 10:11:11

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

5 Dalapon

1	1.236	1.236	0.000	18020588	0.0394	
2	1.371	1.371	0.000	6046673	0.0416	
RPD = 5.49						

\$ 4 2,4-Dichlorophenylacetic acid

1	6.963	6.963	0.000	13577632	0.0911	
2	7.606	7.606	0.000	5689806	0.0917	
RPD = 0.63						

6 Dicamba

1	7.129	7.129	0.000	27627680	0.0447	
2	7.773	7.773	0.000	11416370	0.0446	
RPD = 0.15						

10 MCPP

1	7.413	7.413	0.000	6337300	9.91	
2	7.960	7.960	0.000	2452907	9.13	
RPD = 8.26						

9 MCPA

1	7.576	7.576	0.000	8164622	9.79	
2	8.210	8.210	0.000	3326968	9.81	
RPD = 0.19						

7 Dichlorprop

1	7.946	7.946	0.000	12487288	0.0902	
2	8.569	8.569	0.000	4756314	0.0902	
RPD = 0.02						

2 2,4-D

1	8.184	8.184	0.000	13489754	0.0896	
2	8.924	8.924	0.000	5477279	0.0883	
RPD = 1.43						

Data File: \\NCCChrom\ChromData\A2HP1\20121222-16119.b\1000039.D

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
12 Silvex (2,4,5-TP)						
1	9.058	9.058	0.000	16522262	0.0216	
2	9.859	9.859	0.000	6229371	0.0219	
RPD = 1.38						
1 2,4,5-T						
1	9.373	9.373	0.000	12891203	0.0210	
2	10.336	10.336	0.000	5216907	0.0215	
RPD = 2.35						
3 2,4-DB						
1	10.001	10.001	0.000	5582504	0.0874	M
2	10.987	10.987	0.000	2298025	0.0865	M
RPD = 1.07						
8 Dinoseb						
1	11.207	11.207	0.000	6368720	0.0126	M
2	11.361	11.361	0.000	2446604	0.0127	M
RPD = 0.50						

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 26-Dec-2012 15:31:40

Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP1\20121222-16119.b\P1000039.D

Injection Date: 23-Dec-2012 01:59:03

Limit Group: GC 8151 DOD

Client ID:

Instrument ID: A2HP1

Lims Batch ID: 69890

Lims Sample ID: 39

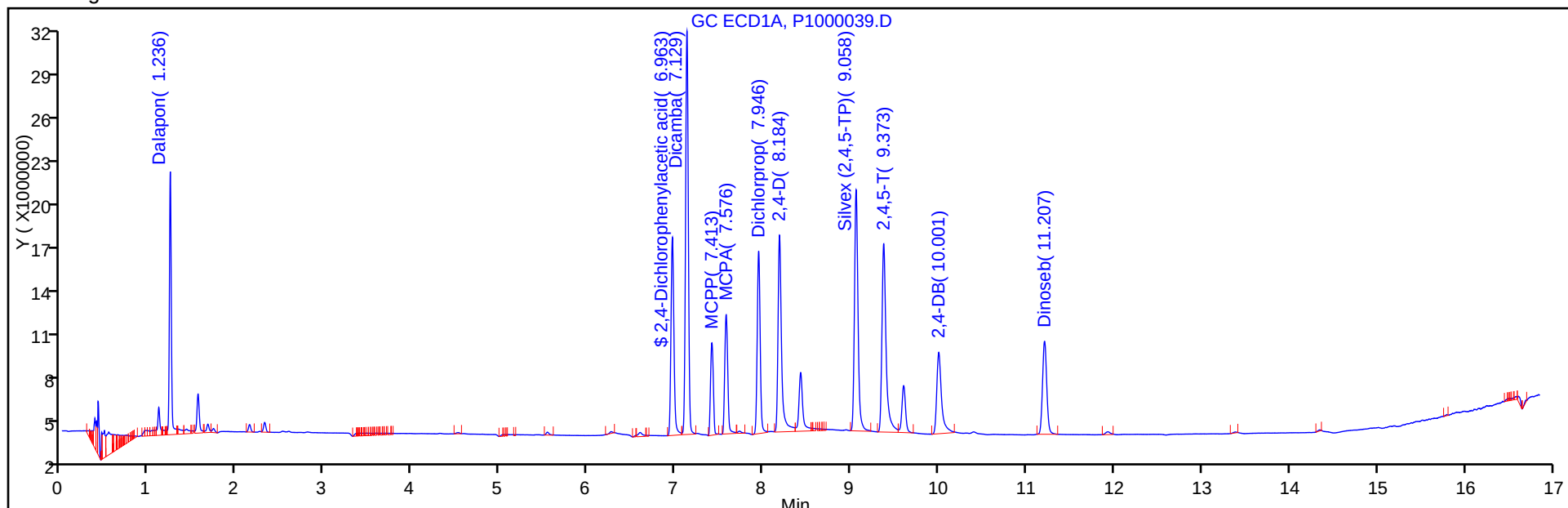
Operator ID: 001754

Injection Vol: 1.0 ul

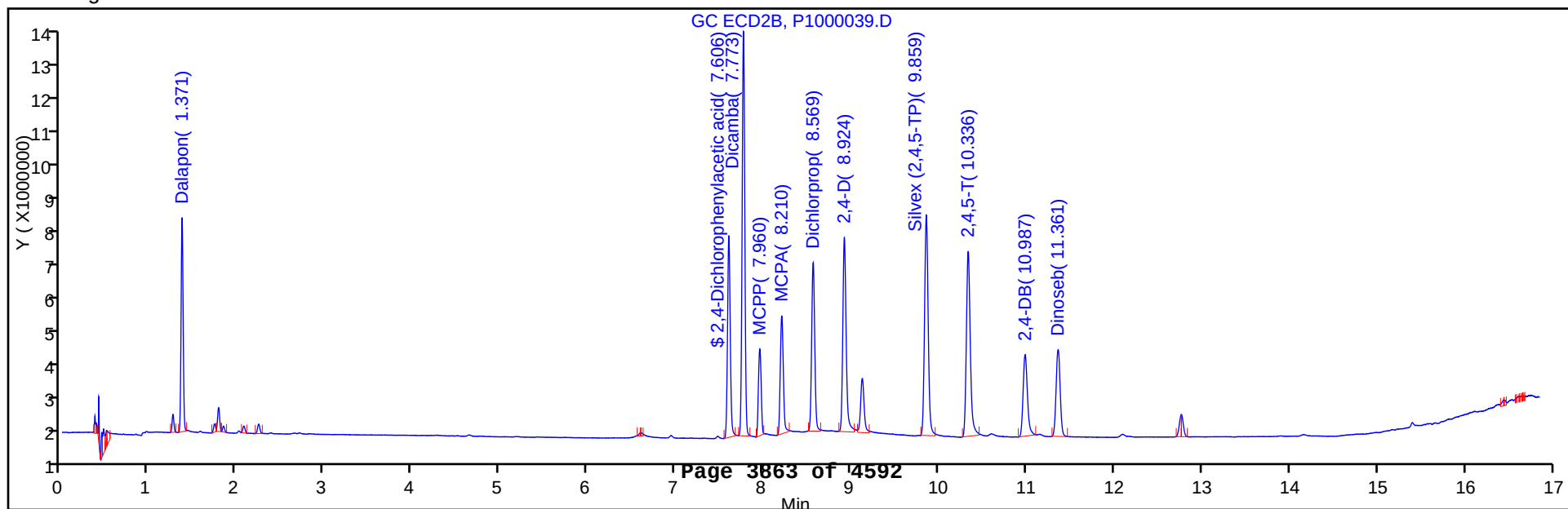
Column Type:

Column Dia:

Y Scaling:



Y Scaling:



TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP1\20121222-16119.b\P1000039.D

Injection Date: 23-Dec-2012 01:59:03

Limit Group: GC 8151 DOD

Client ID:

Instrument ID: A2HP1

Lims Batch ID: 69890

Lims Sample ID: 39

Operator ID: 001754

Injection Vol: 1.0 ul

Column Type:

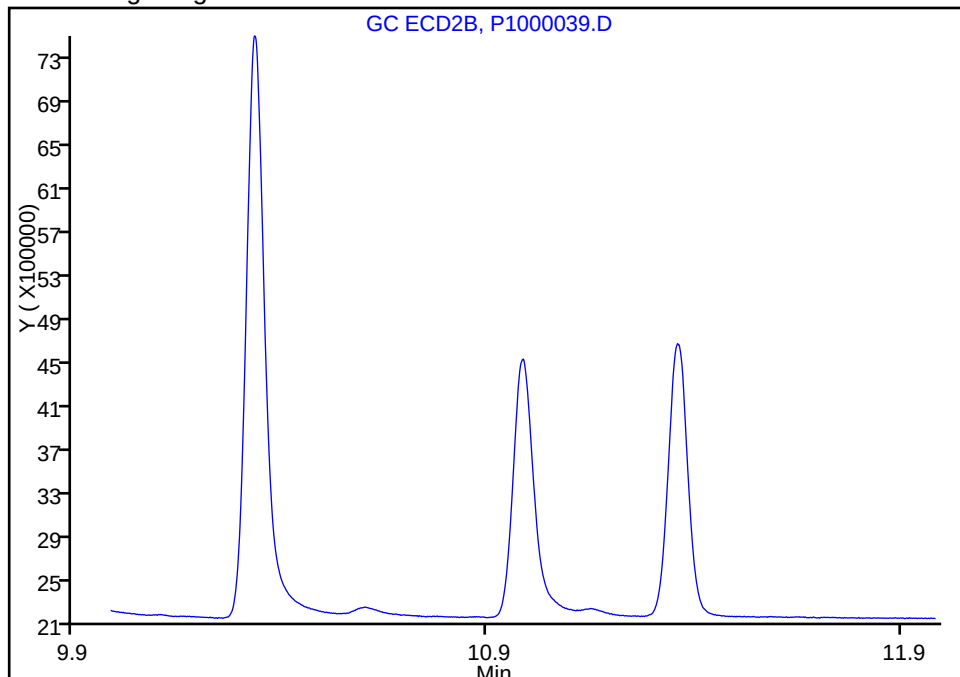
Column Dia:

3 2,4-DB, Signal: 2, Type: quant, RT: 10.99, Det: GC ecd2b

Not Detected

Expected RT: 10.99

Processing Integration Results

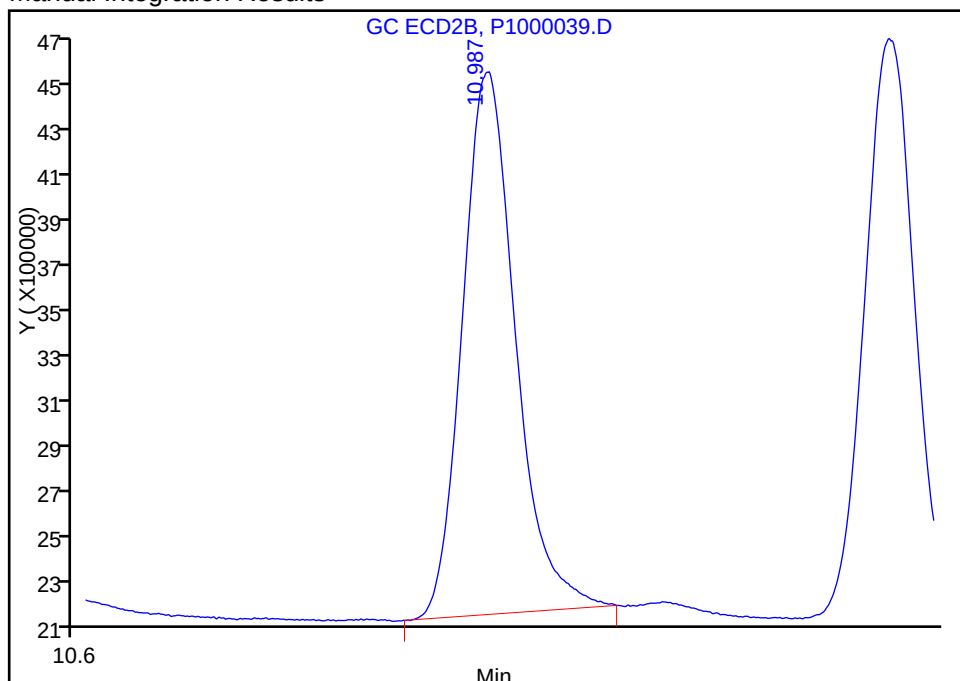


RT: 10.99

Response: 2298025

Amount: 0.086514

Manual Integration Results



Reviewer: bolgrind, 24-Dec-2012 10:11:11

Audit Action: Manually Integrated

Audit Reason: Baseline Event

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP1\20121222-16119.b\P1000039.D

Injection Date: 23-Dec-2012 01:59:03

Limit Group: GC 8151 DOD

Client ID:

Instrument ID: A2HP1

Lims Batch ID: 69890

Lims Sample ID: 39

Operator ID: 001754

Injection Vol: 1.0 ul

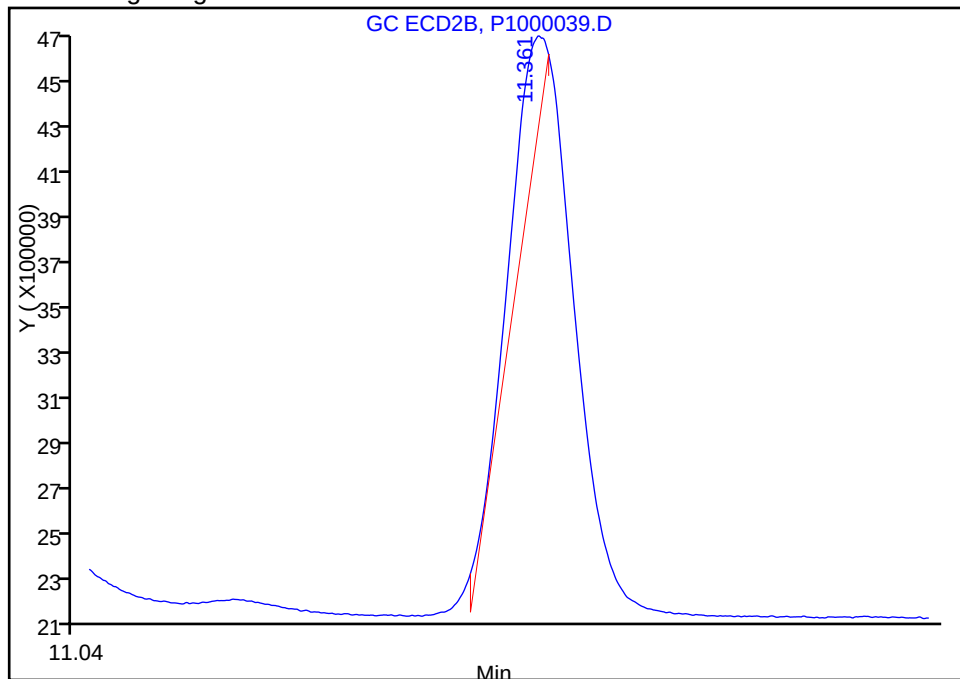
Column Type:

Column Dia:

8 Dinoseb, Signal: 2, Type: quant, RT: 11.36, Det: GC ecd2b

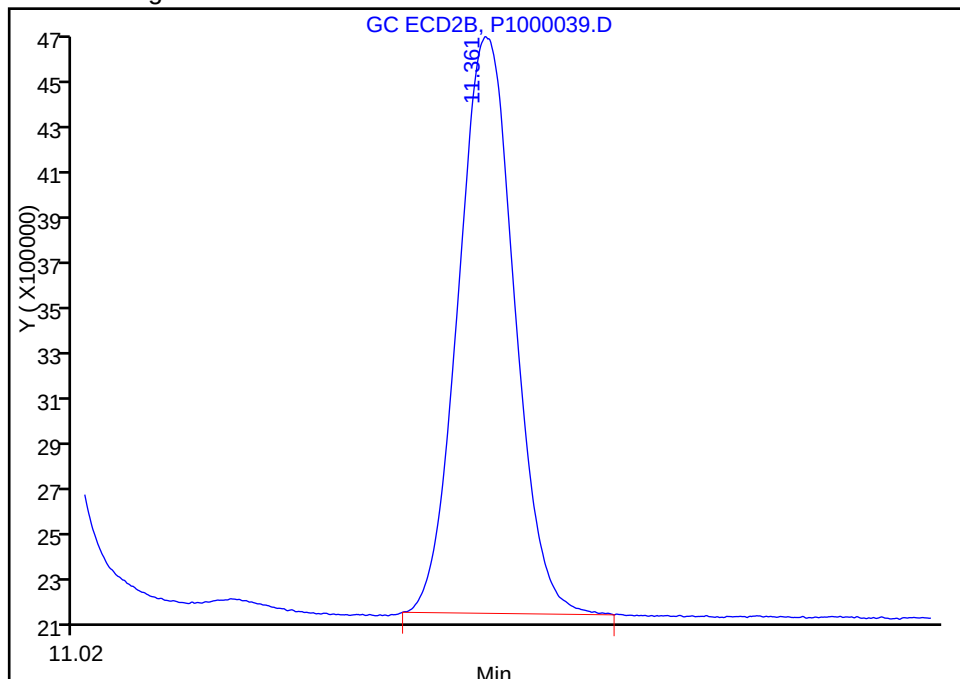
RT: 11.36
Response: 369328
Amount: 0.001910

Processing Integration Results



RT: 11.36
Response: 2446604
Amount: 0.012652

Manual Integration Results



Reviewer: bolgrind, 26-Dec-2012 15:19:08

Audit Action: Manually Integrated

Audit Reason: Baseline Event

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18703-1
SDG No.: _____
Lab Sample ID: CCV 240-69890/40 Calibration Date: 12/23/2012 02:22
Instrument ID: A2HP1 Calib Start Date: 09/18/2012 13:18
GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 09/18/2012 15:16
Lab File ID: P1000040.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Pentachlorophenol	Lin1		2119078900		0.0117	0.0100	16.6	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18703-1
SDG No.: _____
Lab Sample ID: CCV 240-69890/40 Calibration Date: 12/23/2012 02:22
Instrument ID: A2HP1 Calib Start Date: 09/18/2012 13:18
GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 09/18/2012 15:16
Lab File ID: P1000040.D

Analyte	RT	RT WINDOW	
		FROM	TO
Pentachlorophenol	8.27	8.25	8.29

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP1\20121222-16119.b\P1000040.D
Lims ID: CCV PCP Client ID:
Inject. Date: 23-Dec-2012 02:22:46 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0016119-040
Misc. Info.:
Operator: 001754 Instrument ID: A2HP1
Injection Vol: 1.0 ul ALS Bottle#: 40
Lims Batch ID: 69890 Lims Sample ID: 40
Sublist: chrom-8151_1*sub1
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b
Method: \\NCCChrom\ChromData\A2HP1\20121222-16119.b\8151_1.m
Last Update: 26-Dec-2012 15:31:41 Calib Date: 03-Dec-2012 19:52:08
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D
Limit Group: GC 8151 DOD
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK028

First Level Reviewer: bolgrind

Date: 24-Dec-2012 10:11:27

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

11 Pentachlorophenol

1	8.273	8.273	0.000	21190789	0.0117
2	9.217	9.217	0.000	8253656	0.0108

RPD = 7.90

Report Date: 26-Dec-2012 15:31:41

Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP1\20121222-16119.b\P1000040.D

Injection Date: 23-Dec-2012 02:22:46

Limit Group: GC 8151 DOD

Client ID:

Instrument ID: A2HP1

Lims Batch ID: 69890

Lims Sample ID: 40

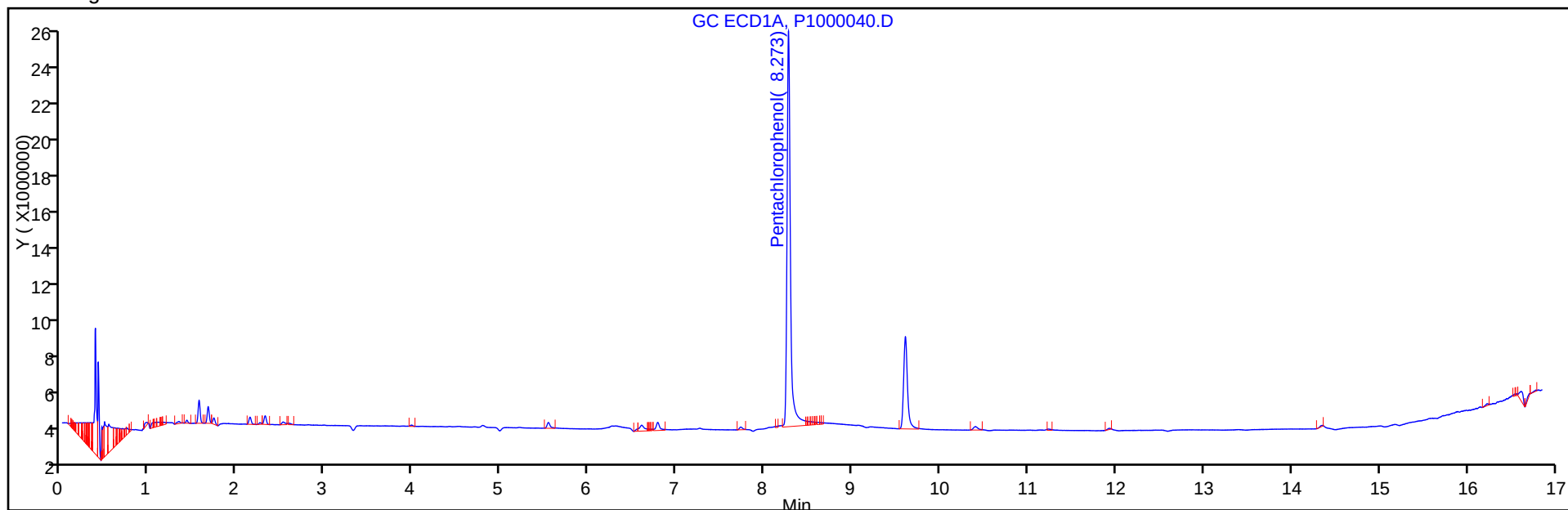
Operator ID: 001754

Injection Vol: 1.0 ul

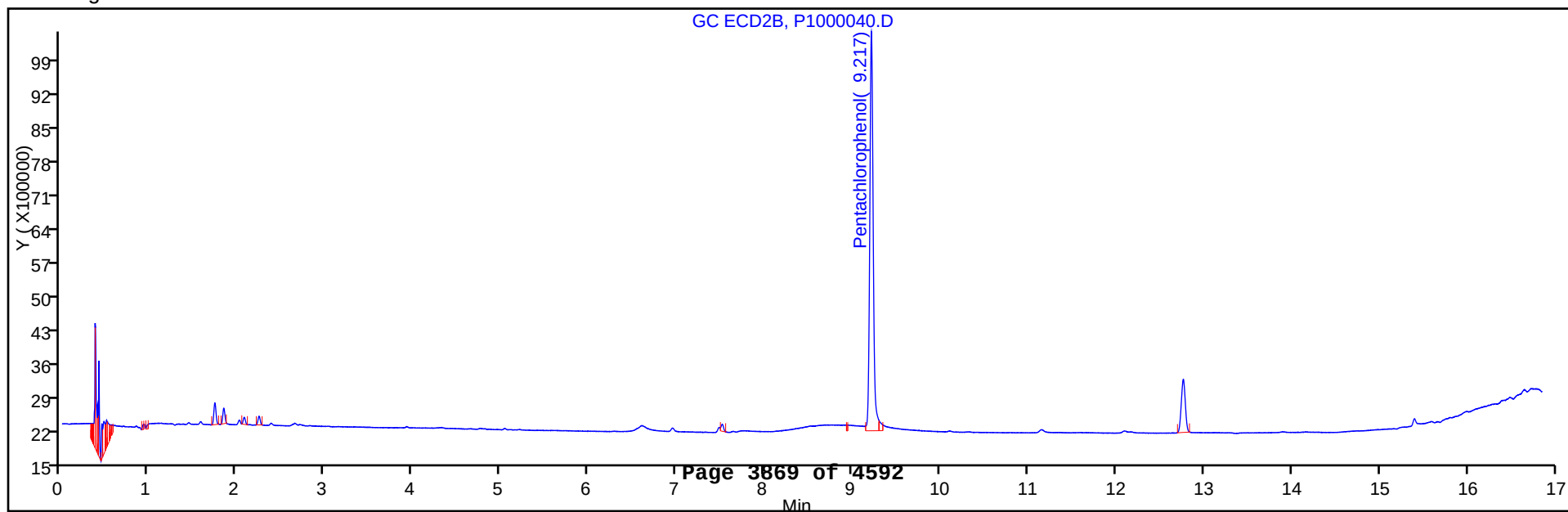
Column Type:

Column Dia:

Y Scaling:



Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18703-1
SDG No.: _____
Lab Sample ID: CCV 240-69890/40 Calibration Date: 12/23/2012 02:22
Instrument ID: A2HP1 Calib Start Date: 09/18/2012 13:18
GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 09/18/2012 15:16
Lab File ID: P1000040.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Pentachlorophenol	Lin1		825365600		0.0108	0.0100	7.7	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18703-1
SDG No.: _____
Lab Sample ID: CCV 240-69890/40 Calibration Date: 12/23/2012 02:22
Instrument ID: A2HP1 Calib Start Date: 09/18/2012 13:18
GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 09/18/2012 15:16
Lab File ID: P1000040.D

Analyte	RT	RT WINDOW	
		FROM	TO
Pentachlorophenol	9.22	9.20	9.24

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP1\20121222-16119.b\P1000040.D
Lims ID: CCV PCP Client ID:
Inject. Date: 23-Dec-2012 02:22:46 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0016119-040
Misc. Info.:
Operator: 001754 Instrument ID: A2HP1
Injection Vol: 1.0 ul ALS Bottle#: 40
Lims Batch ID: 69890 Lims Sample ID: 40
Sublist: chrom-8151_1*sub1
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b
Method: \\NCCChrom\ChromData\A2HP1\20121222-16119.b\8151_1.m
Last Update: 26-Dec-2012 15:31:41 Calib Date: 03-Dec-2012 19:52:08
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D
Limit Group: GC 8151 DOD
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK028

First Level Reviewer: bolgrind

Date: 24-Dec-2012 10:11:27

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

11 Pentachlorophenol

1	8.273	8.273	0.000	21190789	0.0117
2	9.217	9.217	0.000	8253656	0.0108

RPD = 7.90

Report Date: 26-Dec-2012 15:31:42

Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP1\20121222-16119.b\P1000040.D

Injection Date: 23-Dec-2012 02:22:46

Limit Group: GC 8151 DOD

Client ID:

Instrument ID: A2HP1

Lims Batch ID: 69890

Lims Sample ID: 40

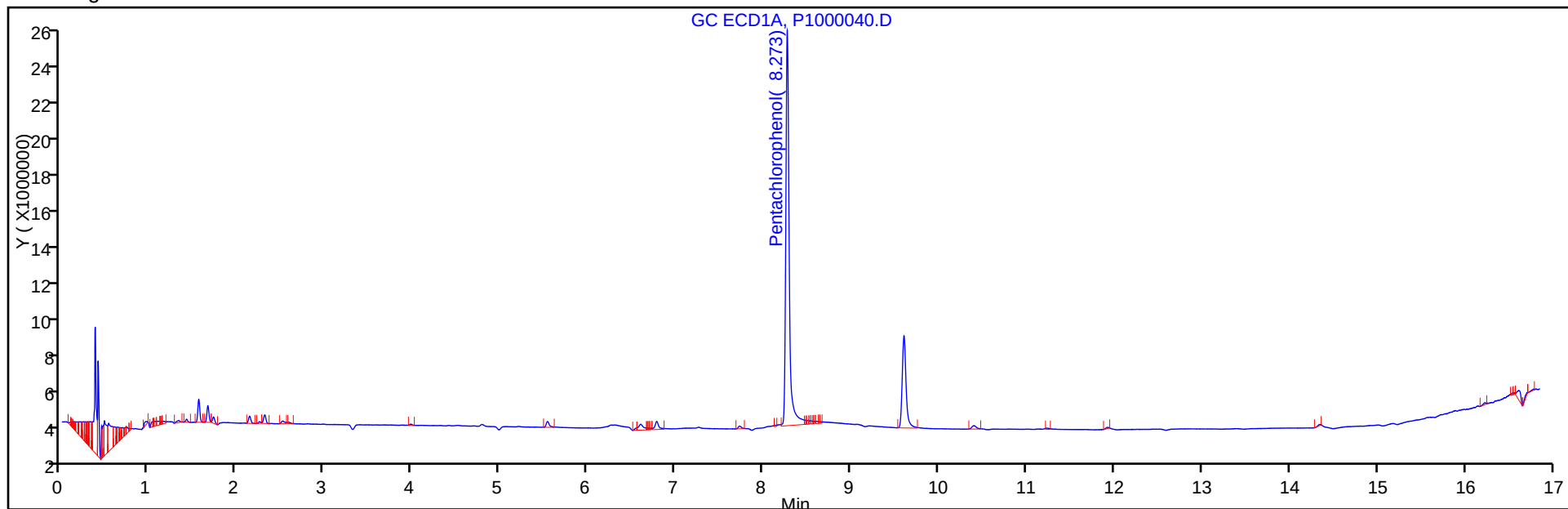
Operator ID: 001754

Injection Vol: 1.0 ul

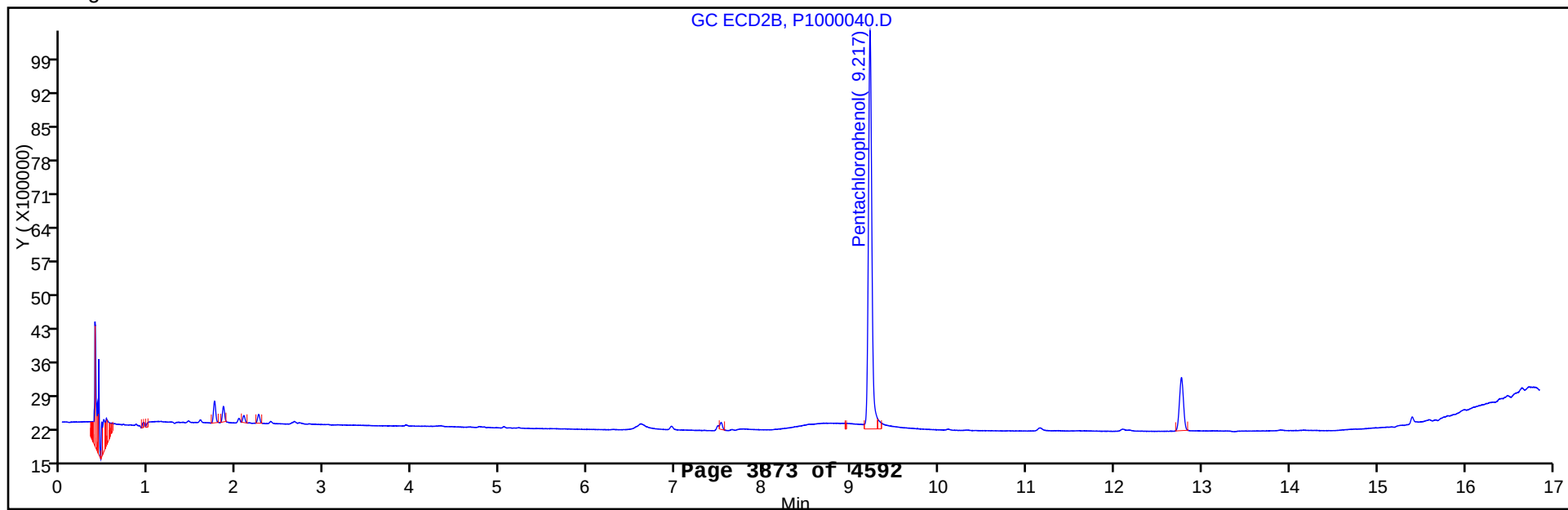
Column Type:

Column Dia:

Y Scaling:



Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18703-1
SDG No.: _____
Lab Sample ID: CCV 240-69890/47 Calibration Date: 12/23/2012 05:07
Instrument ID: A2HP1 Calib Start Date: 09/18/2012 13:18
GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 09/18/2012 15:16
Lab File ID: P1000047.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Pentachlorophenol	Lin1		2221868400		0.0123	0.0100	22.9*	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18703-1
SDG No.: _____
Lab Sample ID: CCV 240-69890/47 Calibration Date: 12/23/2012 05:07
Instrument ID: A2HP1 Calib Start Date: 09/18/2012 13:18
GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 09/18/2012 15:16
Lab File ID: P1000047.D

Analyte	RT	RT WINDOW	
		FROM	TO
Pentachlorophenol	8.28	8.26	8.30

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP1\20121222-16119.b\P1000047.D
Lims ID: CCV PCP Client ID:
Inject. Date: 23-Dec-2012 05:07:04 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0016119-047
Misc. Info.:
Operator: 001754 Instrument ID: A2HP1
Injection Vol: 1.0 ul ALS Bottle#: 47
Lims Batch ID: 69890 Lims Sample ID: 47
Sublist: chrom-8151_1*sub1
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b
Method: \\NCCChrom\ChromData\A2HP1\20121222-16119.b\8151_1.m
Last Update: 26-Dec-2012 15:31:49 Calib Date: 03-Dec-2012 19:52:08
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D
Limit Group: GC 8151 DOD
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK028

First Level Reviewer: bolgrind

Date: 24-Dec-2012 15:38:42

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

11 Pentachlorophenol

1	8.275	8.275	0.000	22218684	0.0123
2	9.217	9.217	0.000	8598943	0.0113

RPD = 8.74

Report Date: 26-Dec-2012 15:31:50

Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP1\20121222-16119.b\P1000047.D

Injection Date: 23-Dec-2012 05:07:04

Limit Group: GC 8151 DOD

Client ID:

Instrument ID: A2HP1

Lims Batch ID: 69890

Lims Sample ID: 47

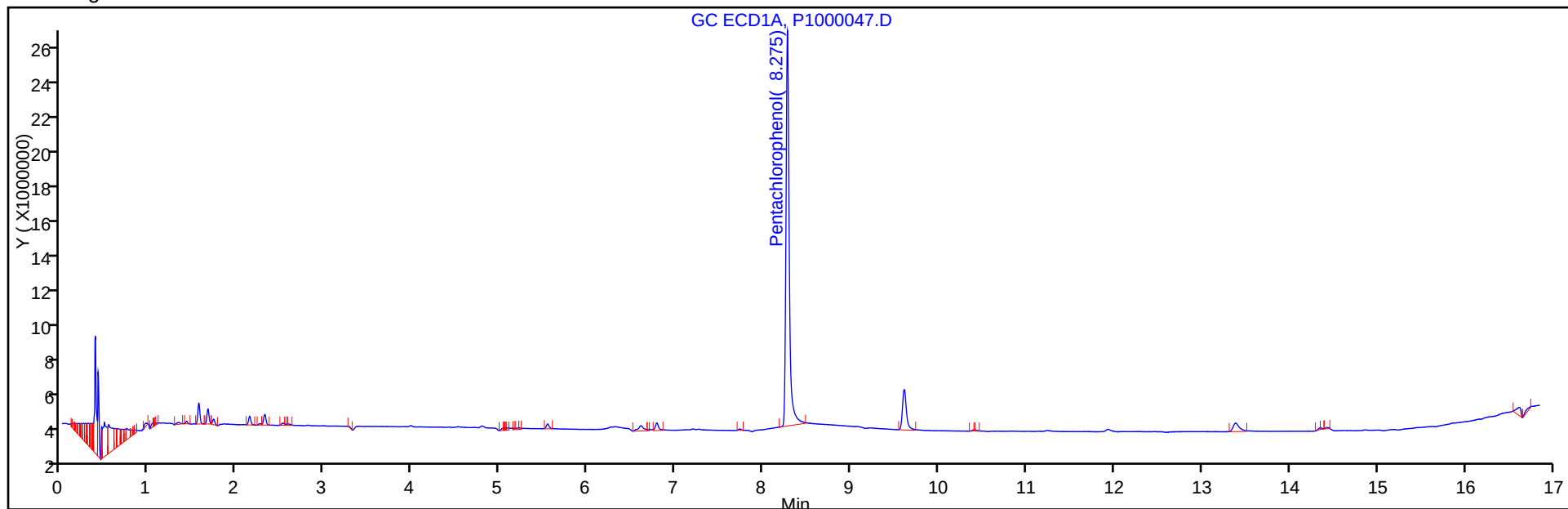
Operator ID: 001754

Injection Vol: 1.0 ul

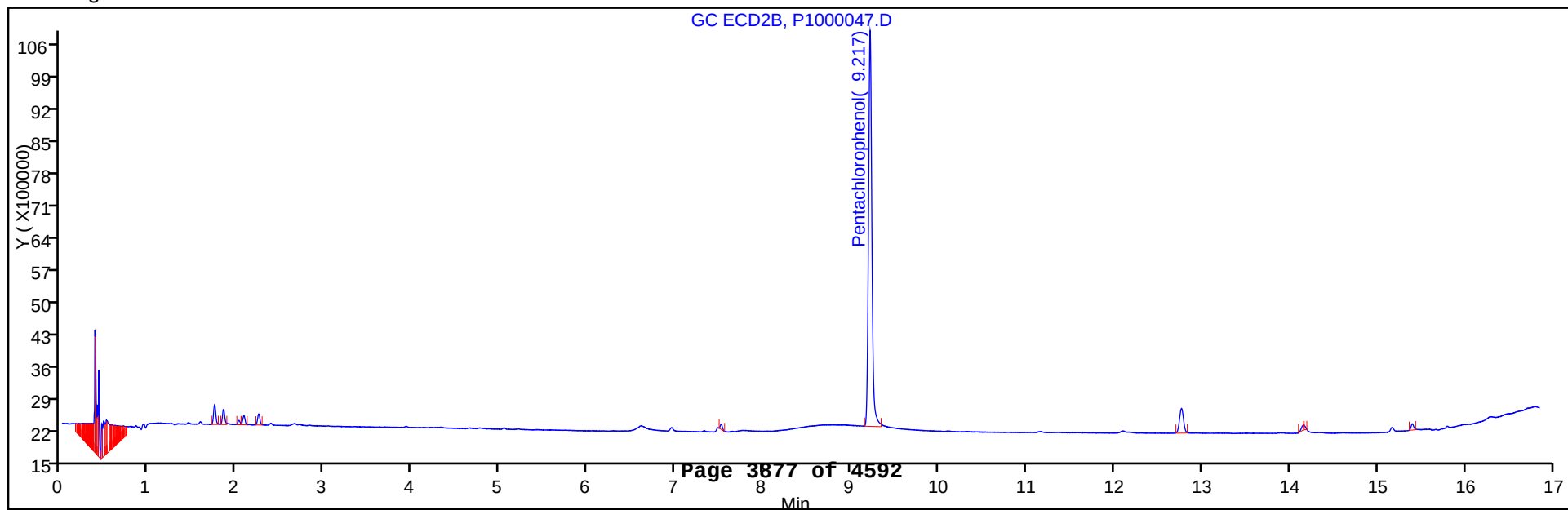
Column Type:

Column Dia:

Y Scaling:



Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18703-1
SDG No.: _____
Lab Sample ID: CCV 240-69890/47 Calibration Date: 12/23/2012 05:07
Instrument ID: A2HP1 Calib Start Date: 09/18/2012 13:18
GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 09/18/2012 15:16
Lab File ID: P1000047.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Pentachlorophenol	Lin1		859894300		0.0113	0.0100	12.6	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18703-1
SDG No.: _____
Lab Sample ID: CCV 240-69890/47 Calibration Date: 12/23/2012 05:07
Instrument ID: A2HP1 Calib Start Date: 09/18/2012 13:18
GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 09/18/2012 15:16
Lab File ID: P1000047.D

Analyte	RT	RT WINDOW	
		FROM	TO
Pentachlorophenol	9.22	9.20	9.24

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP1\20121222-16119.b\P1000047.D
Lims ID: CCV PCP Client ID:
Inject. Date: 23-Dec-2012 05:07:04 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0016119-047
Misc. Info.:
Operator: 001754 Instrument ID: A2HP1
Injection Vol: 1.0 ul ALS Bottle#: 47
Lims Batch ID: 69890 Lims Sample ID: 47
Sublist: chrom-8151_1*sub1
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b
Method: \\NCCChrom\ChromData\A2HP1\20121222-16119.b\8151_1.m
Last Update: 26-Dec-2012 15:31:49 Calib Date: 03-Dec-2012 19:52:08
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D
Limit Group: GC 8151 DOD
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK028

First Level Reviewer: bolgrind

Date: 24-Dec-2012 15:38:42

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

11 Pentachlorophenol

1	8.275	8.275	0.000	22218684	0.0123	
2	9.217	9.217	0.000	8598943	0.0113	

RPD = 8.74

Report Date: 26-Dec-2012 15:31:50

Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP1\20121222-16119.b\P1000047.D

Injection Date: 23-Dec-2012 05:07:04

Limit Group: GC 8151 DOD

Client ID:

Instrument ID: A2HP1

Lims Batch ID: 69890

Lims Sample ID: 47

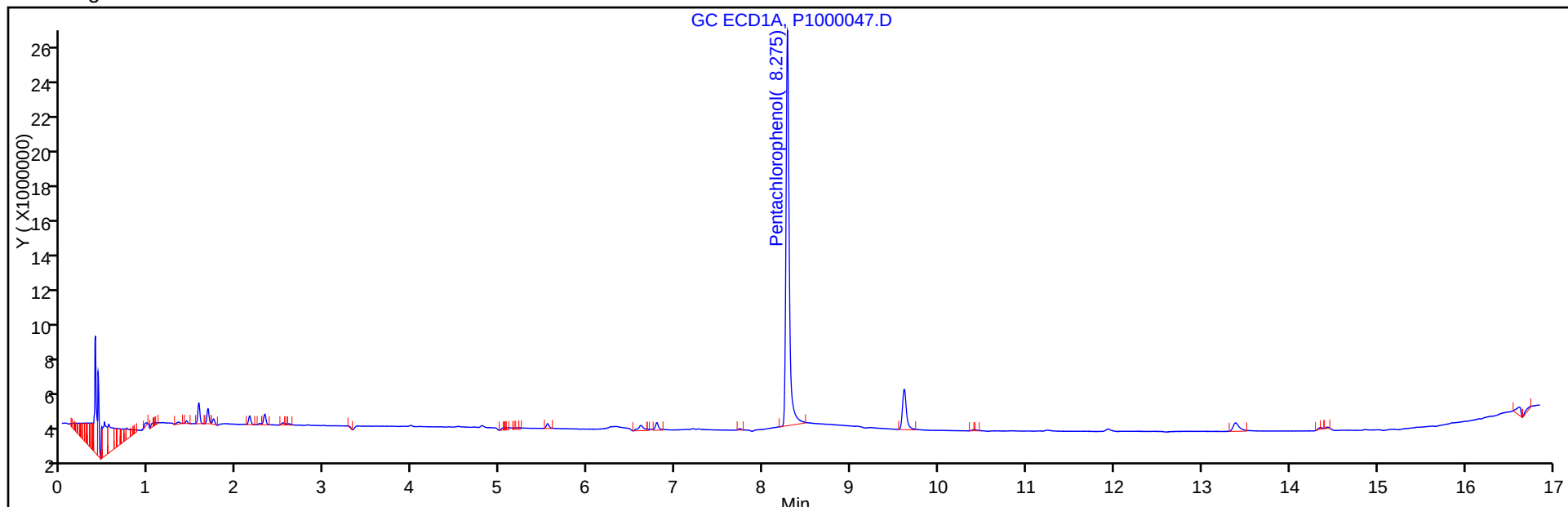
Operator ID: 001754

Injection Vol: 1.0 ul

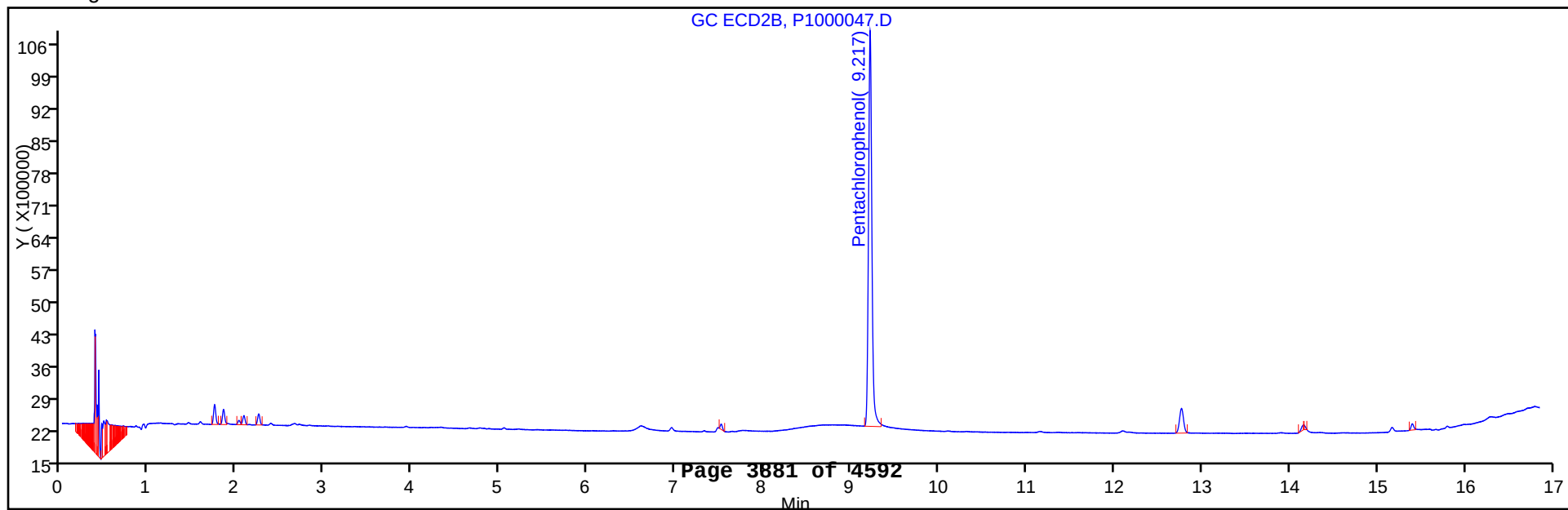
Column Type:

Column Dia:

Y Scaling:



Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18703-1

SDG No.: _____

Lab Sample ID: CCV 240-69890/48 Calibration Date: 12/23/2012 05:30

Instrument ID: A2HP1 Calib Start Date: 12/03/2012 17:53

GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 12/03/2012 19:52

Lab File ID: P1000048.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dalapon	Ave	457412034	441658225		0.0386	0.0400	-3.4	20.0
Dicamba	Ave	617859973	718801375		0.0465	0.0400	16.3	20.0
MCPD	Qua		816578		10.3	8.00	28.8*	20.0
MCPA	Qua		1038956		10.0	8.00	25.4*	20.0
Dichlorprop	Ave	138436820	160492200		0.0927	0.0800	15.9	20.0
2,4-D	Ave	150538188	169104325		0.0899	0.0800	12.3	20.0
Silvex (2,4,5-TP)	Ave	763444311	830786850		0.0218	0.0200	8.8	20.0
2,4,5-T	Ave	613790425	647547650		0.0211	0.0200	5.5	20.0
2,4-DB	Ave	63842790	69718975		0.0874	0.0800	9.2	20.0
Dinoseb	Ave	505863757	553572667		0.0131	0.0120	9.4	20.0
2,4-Dichlorophenylacetic acid	Ave	149068897	172111463		0.0924	0.0800	15.5	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18703-1
SDG No.: _____
Lab Sample ID: CCV 240-69890/48 Calibration Date: 12/23/2012 05:30
Instrument ID: A2HP1 Calib Start Date: 12/03/2012 17:53
GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 12/03/2012 19:52
Lab File ID: P1000048.D

Analyte	RT	RT WINDOW	
		FROM	TO
Dalapon	1.24	1.22	1.26
Dicamba	7.13	7.11	7.15
MCPD	7.42	7.40	7.44
MCPA	7.58	7.56	7.60
Dichloroprop	7.95	7.93	7.97
2,4-D	8.19	8.17	8.21
Silvex (2,4,5-TP)	9.06	9.04	9.08
2,4,5-T	9.38	9.36	9.40
2,4-DB	10.01	9.99	10.03
Dinoseb	11.21	11.18	11.24
2,4-Dichlorophenylacetic acid	6.97	6.95	6.99

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP1\20121222-16119.b\P1000048.D
 Lims ID: CCV Client ID:
 Inject. Date: 23-Dec-2012 05:30:27 Dil. Factor: 1.0000
 Sample Type: CCV
 Sample ID: 240-0016119-048
 Misc. Info.:
 Operator: 001754 Instrument ID: A2HP1
 Injection Vol: 1.0 ul ALS Bottle#: 48
 Lims Batch ID: 69890 Lims Sample ID: 48
 Sublist: chrom-8151_1*sub2
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCCChrom\ChromData\A2HP1\20121222-16119.b\8151_1.m
 Last Update: 27-Dec-2012 09:46:54 Calib Date: 03-Dec-2012 19:52:08
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D
 Limit Group: GC 8151 DOD
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK011

First Level Reviewer: bolgrind

Date:

24-Dec-2012 15:39:31

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

5 Dalapon

1	1.237	1.237	0.000	17666329	0.0386	
2	1.372	1.372	0.000	6052131	0.0417	
RPD = 7.56						

\$ 4 2,4-Dichlorophenylacetic acid

1	6.965	6.965	0.000	13768917	0.0924	
2	7.607	7.607	0.000	5712107	0.0920	
RPD = 0.38						

6 Dicamba

1	7.130	7.130	0.000	28752055	0.0465	
2	7.774	7.774	0.000	11861011	0.0464	
RPD = 0.32						

10 MCPP

1	7.415	7.415	0.000	6532626	10.3	
2	7.960	7.960	0.000	2503197	9.36	
RPD = 9.61						

9 MCPA

1	7.577	7.577	0.000	8311647	10.0	
2	8.212	8.212	0.000	3361420	9.94	
RPD = 0.91						

7 Dichlorprop

1	7.948	7.948	0.000	12839376	0.0927	
2	8.569	8.569	0.000	4918199	0.0933	
RPD = 0.59						

2 2,4-D

1	8.187	8.187	0.000	13528346	0.0899	
2	8.926	8.926	0.000	5515570	0.0890	
RPD = 1.02						

Data File: \\NCCChrom\ChromData\A2HP1\20121222-16119.b\1000048.D

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

12 Silvex (2,4,5-TP)

1 9.062 9.062 0.000 16615737 0.0218

2 9.862 9.862 0.000 6289388 0.0222

RPD = 1.77

1 2,4,5-T

1 9.377 9.377 0.000 12950953 0.0211

2 10.337 10.337 0.000 5356392 0.0221

RPD = 4.53

3 2,4-DB

1 10.007 10.007 0.000 5577518 0.0874

2 10.987 10.987 0.000 2350698 0.0885

RPD = 1.29

8 Dinoseb

1 11.209 11.209 0.000 6642872 0.0131

2 11.364 11.364 0.000 2515823 0.0130

RPD = 0.93

Report Date: 27-Dec-2012 09:46:55

Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP1\20121222-16119.b\P1000048.D

Injection Date: 23-Dec-2012 05:30:27

Limit Group: GC 8151 DOD

Client ID:

Instrument ID: A2HP1

Lims Batch ID: 69890

Lims Sample ID: 48

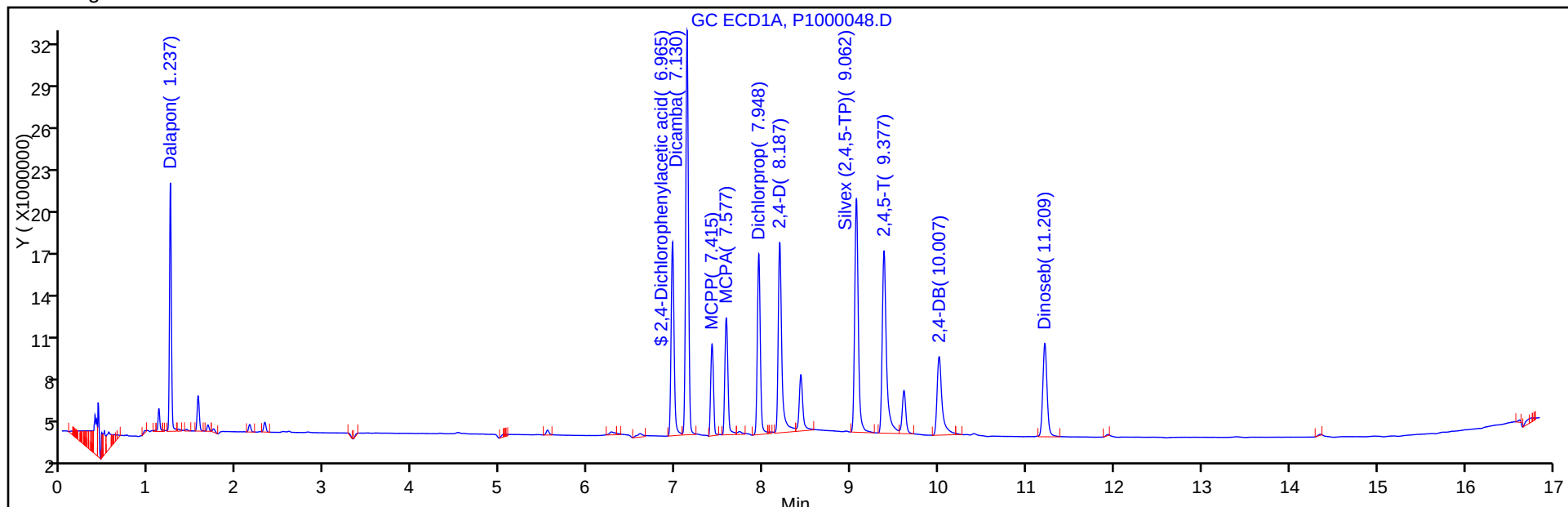
Operator ID: 001754

Injection Vol: 1.0 ul

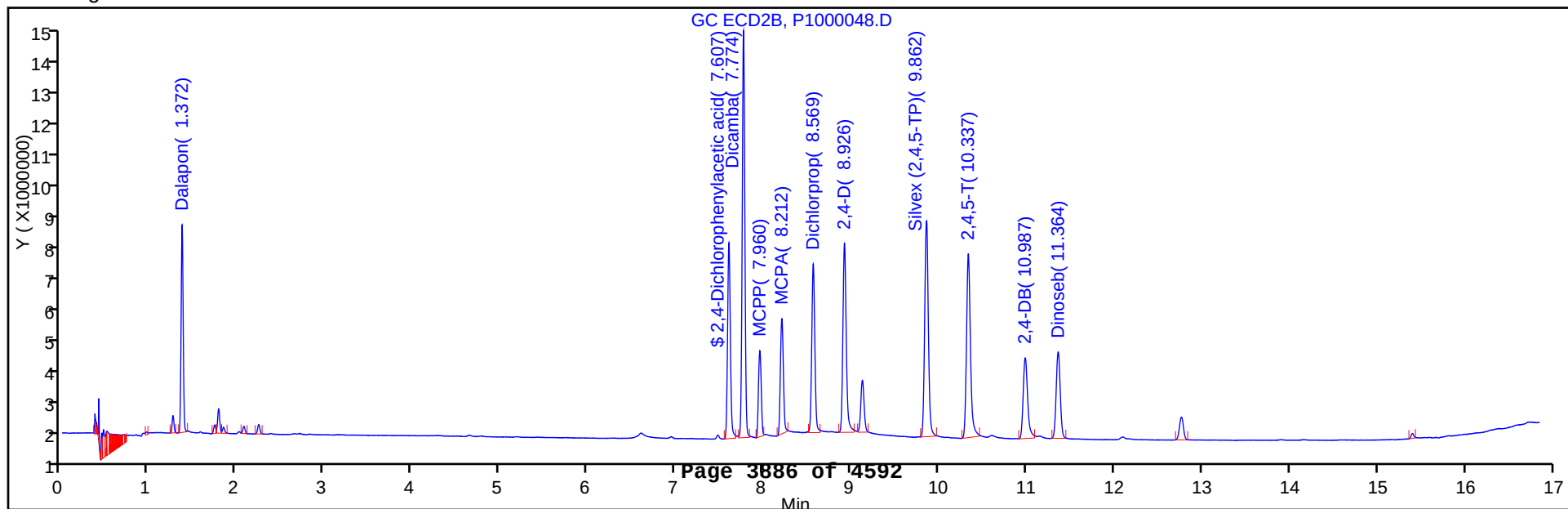
Column Type:

Column Dia:

Y Scaling:



Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18703-1

SDG No.: _____

Lab Sample ID: CCV 240-69890/48 Calibration Date: 12/23/2012 05:30

Instrument ID: A2HP1 Calib Start Date: 12/03/2012 17:53

GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 12/03/2012 19:52

Lab File ID: P1000048.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dalapon	Ave	145285641	151303275		0.0417	0.0400	4.1	20.0
Dicamba	Ave	255708069	296525275		0.0464	0.0400	16.0	20.0
MCPD	Qua		312900		9.36	8.00	17.0	20.0
MCPA	Lin1		420178		9.94	8.00	24.3*	20.0
Dichlorprop	Ave	52718146	61477488		0.0933	0.0800	16.6	20.0
2,4-D	Ave	62005138	68944625		0.0890	0.0800	11.2	20.0
Silvex (2,4,5-TP)	Ave	283903898	314469400		0.0222	0.0200	10.8	20.0
2,4,5-T	Ave	242611790	267819600		0.0221	0.0200	10.4	20.0
2,4-DB	Ave	26562352	29383725		0.0885	0.0800	10.6	20.0
Dinoseb	Ave	193371382	209651917		0.0130	0.0120	8.4	20.0
2,4-Dichlorophenylacetic acid	Ave	62078149	71401338		0.0920	0.0800	15.0	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18703-1
SDG No.: _____
Lab Sample ID: CCV 240-69890/48 Calibration Date: 12/23/2012 05:30
Instrument ID: A2HP1 Calib Start Date: 12/03/2012 17:53
GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 12/03/2012 19:52
Lab File ID: P1000048.D

Analyte	RT	RT WINDOW	
		FROM	TO
Dalapon	1.37	1.35	1.39
Dicamba	7.77	7.75	7.79
MCPD	7.96	7.94	7.98
MCPA	8.21	8.19	8.23
Dichloroprop	8.57	8.55	8.59
2,4-D	8.93	8.91	8.95
Silvex (2,4,5-TP)	9.86	9.84	9.88
2,4,5-T	10.34	10.32	10.36
2,4-DB	10.99	10.97	11.01
Dinoseb	11.36	11.33	11.39
2,4-Dichlorophenylacetic acid	7.61	7.59	7.63

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP1\20121222-16119.b\P1000048.D
 Lims ID: CCV Client ID:
 Inject. Date: 23-Dec-2012 05:30:27 Dil. Factor: 1.0000
 Sample Type: CCV
 Sample ID: 240-0016119-048
 Misc. Info.:
 Operator: 001754 Instrument ID: A2HP1
 Injection Vol: 1.0 ul ALS Bottle#: 48
 Lims Batch ID: 69890 Lims Sample ID: 48
 Sublist: chrom-8151_1*sub2
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCCChrom\ChromData\A2HP1\20121222-16119.b\8151_1.m
 Last Update: 27-Dec-2012 09:46:54 Calib Date: 03-Dec-2012 19:52:08
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D
 Limit Group: GC 8151 DOD
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK011

First Level Reviewer: bolgrind

Date:

24-Dec-2012 15:39:31

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

5 Dalapon

1	1.237	1.237	0.000	17666329	0.0386	
2	1.372	1.372	0.000	6052131	0.0417	
RPD = 7.56						

\$ 4 2,4-Dichlorophenylacetic acid

1	6.965	6.965	0.000	13768917	0.0924	
2	7.607	7.607	0.000	5712107	0.0920	
RPD = 0.38						

6 Dicamba

1	7.130	7.130	0.000	28752055	0.0465	
2	7.774	7.774	0.000	11861011	0.0464	
RPD = 0.32						

10 MCPP

1	7.415	7.415	0.000	6532626	10.3	
2	7.960	7.960	0.000	2503197	9.36	
RPD = 9.61						

9 MCPA

1	7.577	7.577	0.000	8311647	10.0	
2	8.212	8.212	0.000	3361420	9.94	
RPD = 0.91						

7 Dichlorprop

1	7.948	7.948	0.000	12839376	0.0927	
2	8.569	8.569	0.000	4918199	0.0933	
RPD = 0.59						

2 2,4-D

1	8.187	8.187	0.000	13528346	0.0899	
2	8.926	8.926	0.000	5515570	0.0890	

RPD = 1.02

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

12 Silvex (2,4,5-TP)

1	9.062	9.062	0.000	16615737	0.0218	

2	9.862	9.862	0.000	6289388	0.0222	

RPD = 1.77

1 2,4,5-T

1	9.377	9.377	0.000	12950953	0.0211	

2	10.337	10.337	0.000	5356392	0.0221	

RPD = 4.53

3 2,4-DB

1	10.007	10.007	0.000	5577518	0.0874	

2	10.987	10.987	0.000	2350698	0.0885	

RPD = 1.29

8 Dinoseb

1	11.209	11.209	0.000	6642872	0.0131	

2	11.364	11.364	0.000	2515823	0.0130	

RPD = 0.93

Report Date: 27-Dec-2012 09:46:55

Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP1\20121222-16119.b\P1000048.D

Injection Date: 23-Dec-2012 05:30:27

Limit Group: GC 8151 DOD

Client ID:

Instrument ID: A2HP1

Lims Batch ID: 69890

Lims Sample ID: 48

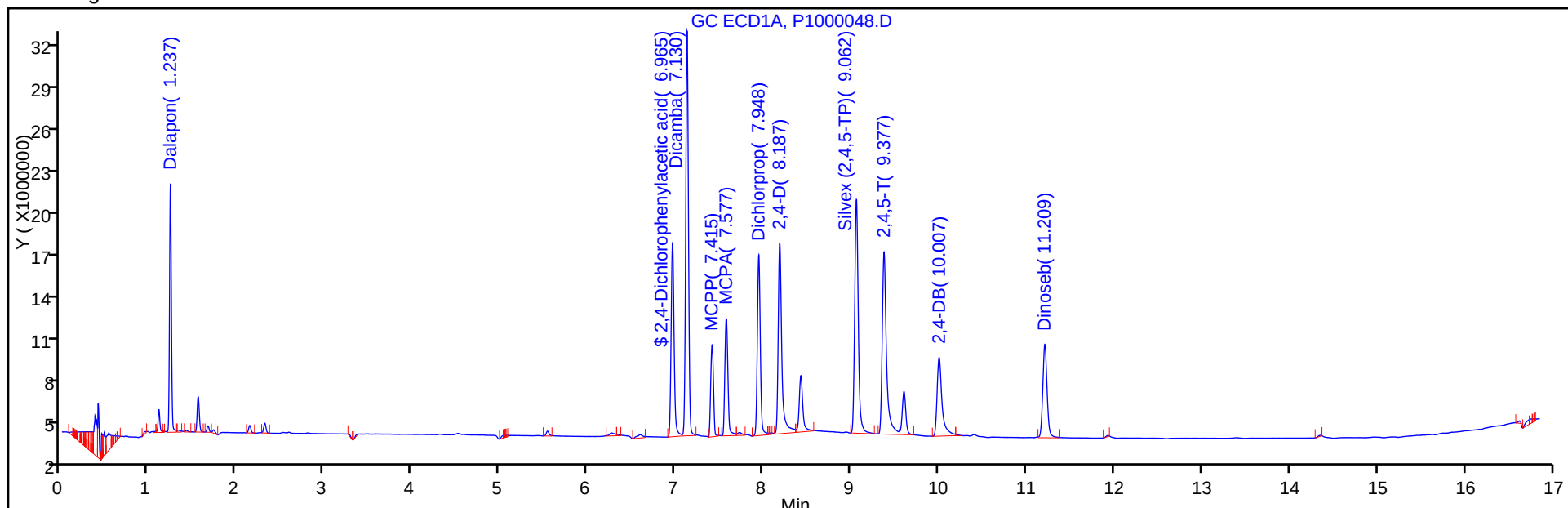
Operator ID: 001754

Injection Vol: 1.0 ul

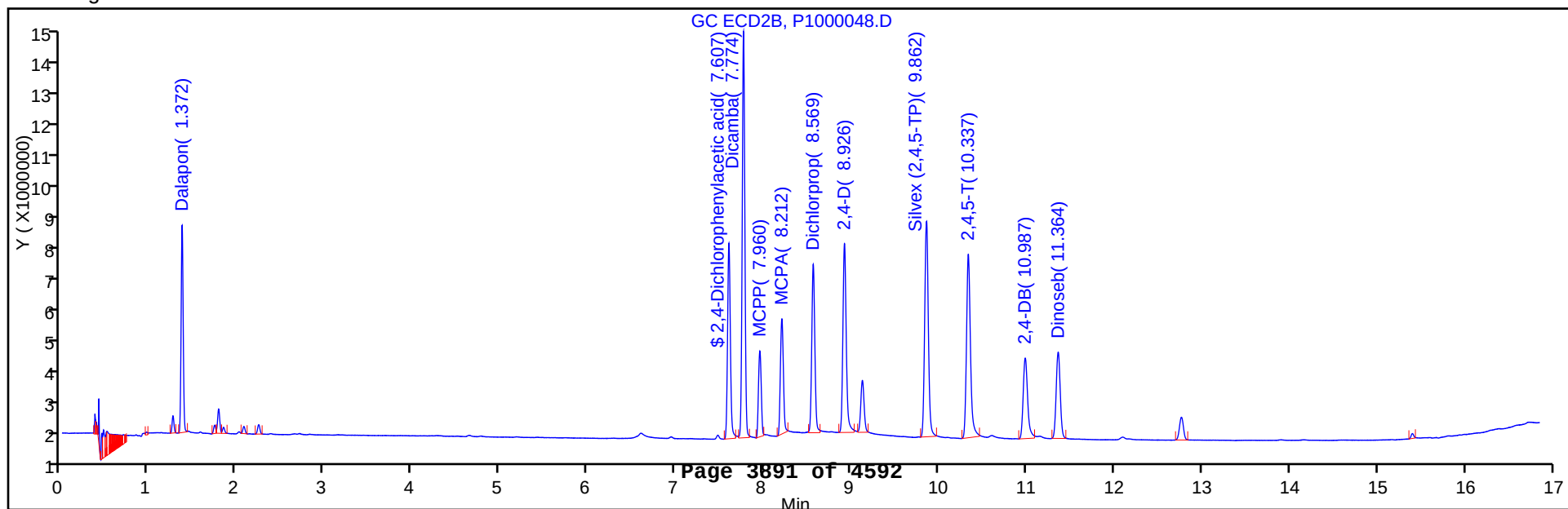
Column Type:

Column Dia:

Y Scaling:



Y Scaling:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18703-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 240-68522/21-A

Matrix: Water Lab File ID: P1000017.D

Analysis Method: 8151/DOD Date Collected: _____

Extraction Method: 8151A Date Extracted: 12/13/2012 09:53

Sample wt/vol: 500 (mL) Date Analyzed: 12/17/2012 16:16

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.: 68956 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	MCPD	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	73		32-112

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP1\20121217-15910.b\P1000017.D
 Lims ID: MB 240-68522/21-A Client ID:
 Inject. Date: 17-Dec-2012 16:16:33 Dil. Factor: 1.0000
 Sample Type: MB
 Sample ID: 240-0015910-017
 Misc. Info.:
 Operator: 001754 Instrument ID: A2HP1
 Injection Vol: 1.0 ul ALS Bottle#: 17
 Lims Batch ID: 68956 Lims Sample ID: 17
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCChrom\ChromData\A2HP1\20121217-15910.b\8151_1.m
 Last Update: 18-Dec-2012 09:31:00 Calib Date: 03-Dec-2012 19:52:08
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D
 Limit Group: GC 8151 DOD
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK012

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

5 Dalapon

1		1.263				
2		1.394				

\$ 4 2,4-Dichlorophenylacetic acid

1	7.006	7.003	0.003	21621881	0.1450	
2	7.641	7.637	0.004	10744906	0.1731	

RPD = 17.63

6 Dicamba

1		7.168				1
2		7.804				

10 MCPP

1		7.453				
2		7.990				

9 MCPA

1		7.616				1
2		8.241				

7 Dichlorprop

1		7.988				
2		8.603				

2 2,4-D

1		8.228				1
2		8.962				

11 Pentachlorophenol

1		8.317				
2		9.257				

12 Silvex (2,4,5-TP)

1		9.109				1
2		9.903				

Data File: \\NCChrom\ChromData\A2HP1\20121217-15910.b\P1000017.D

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
1	2,4,5-T					1
1		9.428				
2		10.381				
3	2,4-DB					
1		10.059				
2		11.034				
8	Dinoseb					1
1		11.272				
2		11.412				

QC Flag Legend

Processing Flags

1 - Missing Peaks

Report Date: 18-Dec-2012 09:31:06

Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP1\20121217-15910.b\P1000017.D

Injection Date: 17-Dec-2012 16:16:33

Limit Group: GC 8151 DOD

Client ID:

Instrument ID: A2HP1

Lims Batch ID: 68956

Lims Sample ID: 17

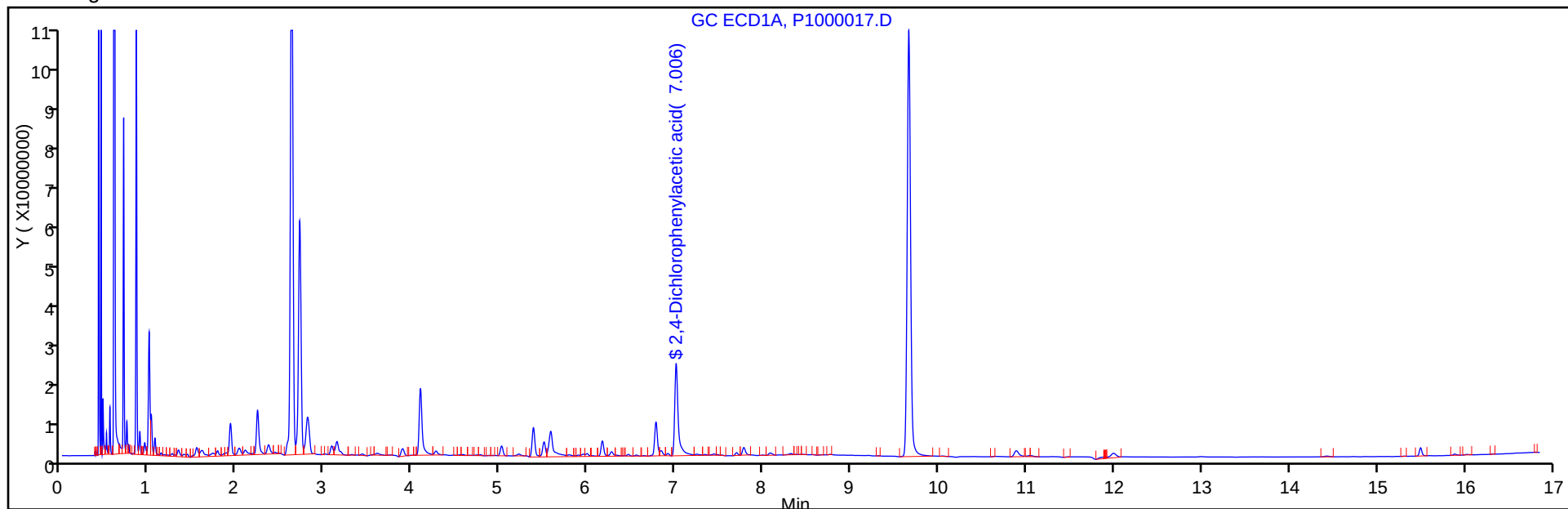
Operator ID: 001754

Injection Vol: 1.0 ul

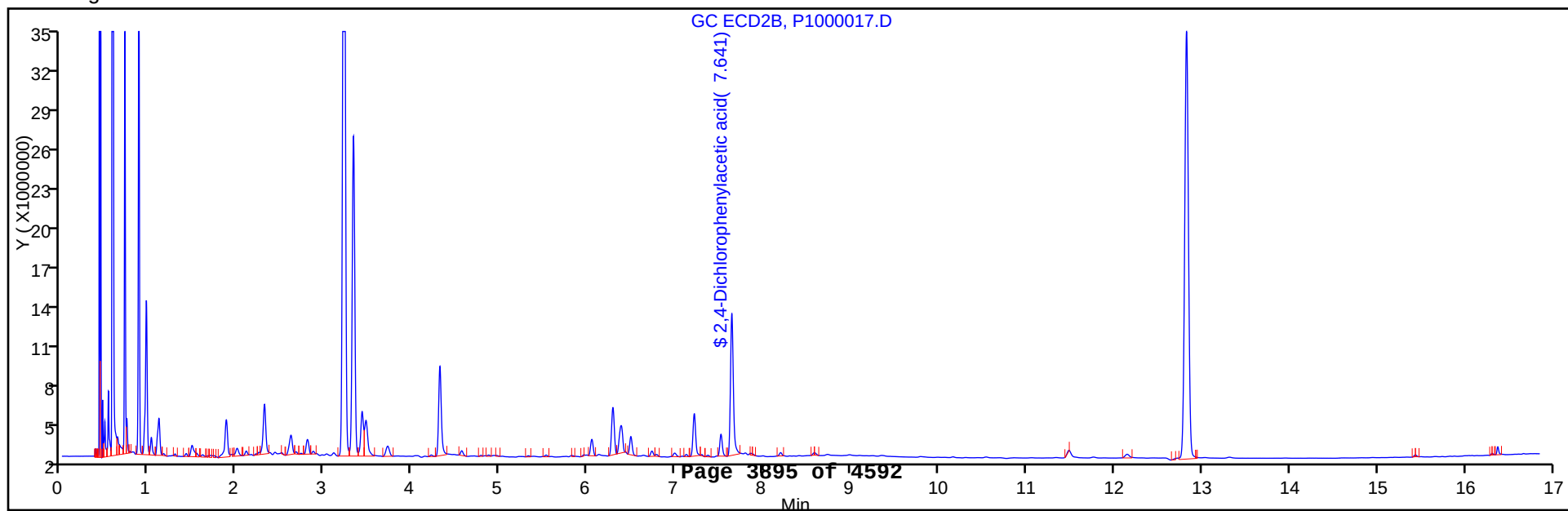
Column Type:

Column Dia:

Y Scaling:



Y Scaling:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18703-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 240-68522/21-A
Matrix: Water Lab File ID: P1000017.D
Analysis Method: 8151/DOD Date Collected: _____
Extraction Method: 8151A Date Extracted: 12/13/2012 09:53
Sample wt/vol: 500 (mL) Date Analyzed: 12/17/2012 16:16
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.: 68956 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	87		32-112

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP1\20121217-15910.b\P1000017.D
 Lims ID: MB 240-68522/21-A Client ID:
 Inject. Date: 17-Dec-2012 16:16:33 Dil. Factor: 1.0000
 Sample Type: MB
 Sample ID: 240-0015910-017
 Misc. Info.:
 Operator: 001754 Instrument ID: A2HP1
 Injection Vol: 1.0 ul ALS Bottle#: 17
 Lims Batch ID: 68956 Lims Sample ID: 17
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCChrom\ChromData\A2HP1\20121217-15910.b\8151_1.m
 Last Update: 18-Dec-2012 09:31:00 Calib Date: 03-Dec-2012 19:52:08
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D
 Limit Group: GC 8151 DOD
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK012

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

5 Dalapon

1 1.263
2 1.394

\$ 4 2,4-Dichlorophenylacetic acid

1 7.006 7.003 0.003 21621881 0.1450
2 7.641 7.637 0.004 10744906 0.1731

RPD = 17.63

6 Dicamba

1 7.168
2 7.804

10 MCPP

1 7.453
2 7.990

9 MCPA

1 7.616
2 8.241

7 Dichlorprop

1 7.988
2 8.603

2 2,4-D

1 8.228
2 8.962

11 Pentachlorophenol

1 8.317
2 9.257

12 Silvex (2,4,5-TP)

1 9.109
2 9.903

Data File: \\NCChrom\ChromData\A2HP1\20121217-15910.b\P1000017.D

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
1	2,4,5-T					1
1		9.428				
2		10.381				
3	2,4-DB					
1		10.059				
2		11.034				
8	Dinoseb					1
1		11.272				
2		11.412				

QC Flag Legend

Processing Flags

1 - Missing Peaks

Report Date: 18-Dec-2012 09:31:07

Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP1\20121217-15910.b\P1000017.D

Injection Date: 17-Dec-2012 16:16:33

Limit Group: GC 8151 DOD

Client ID:

Instrument ID: A2HP1

Lims Batch ID: 68956

Lims Sample ID: 17

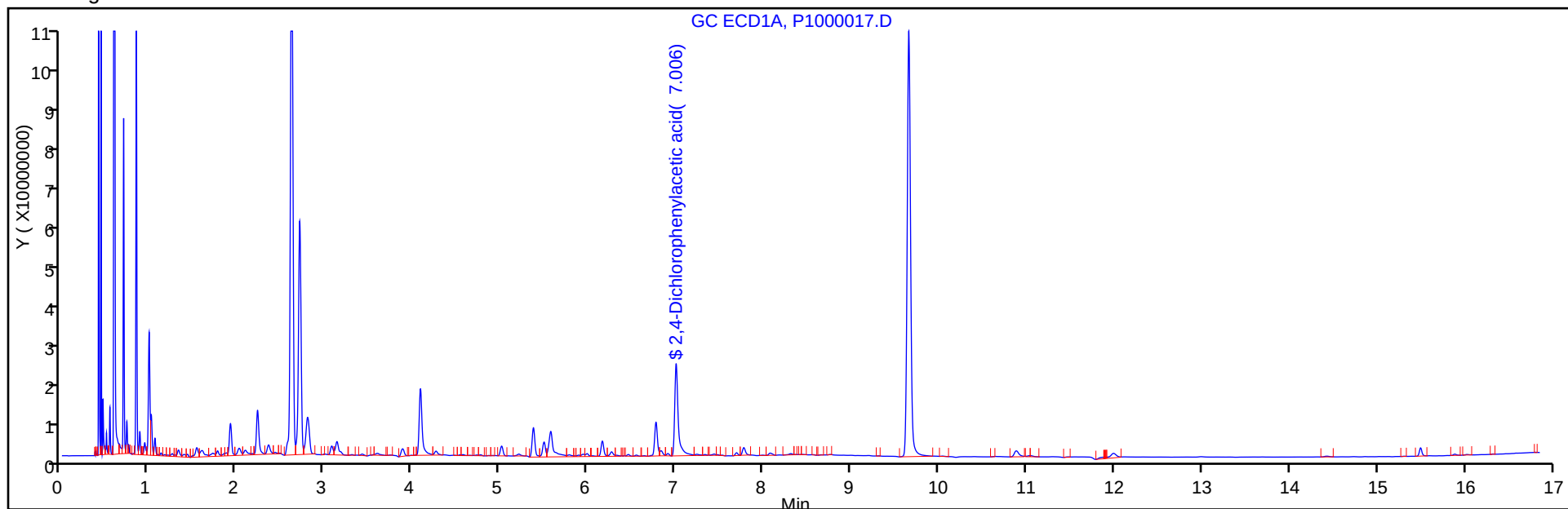
Operator ID: 001754

Injection Vol: 1.0 ul

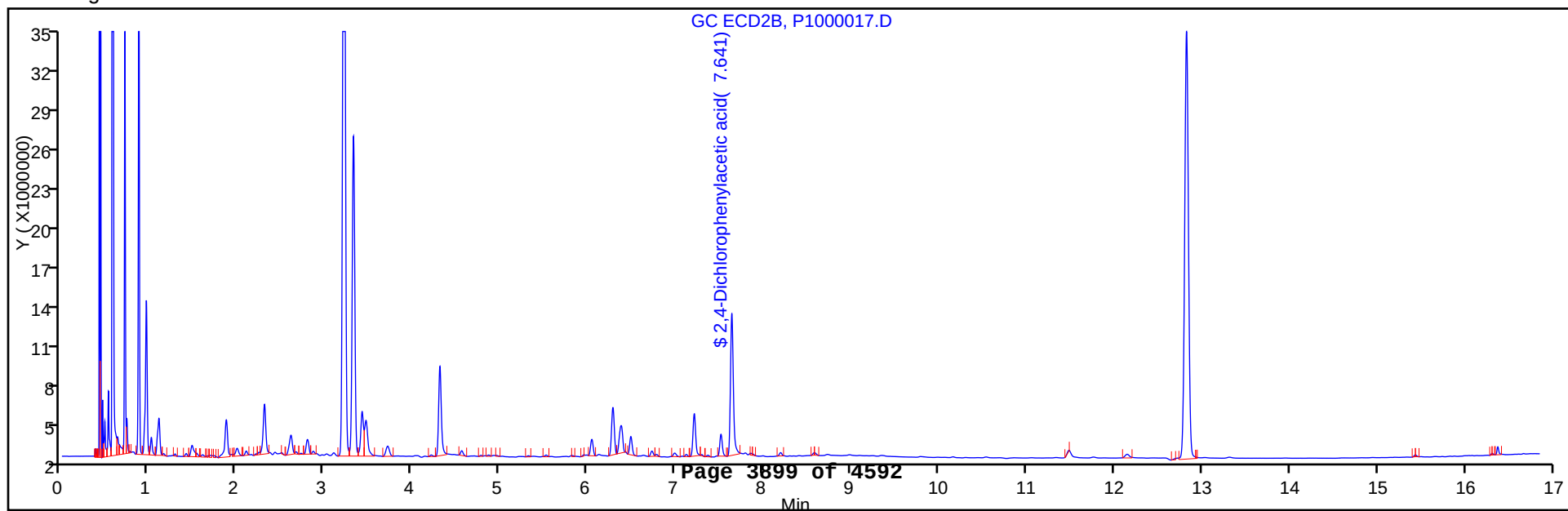
Column Type:

Column Dia:

Y Scaling:



Y Scaling:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18703-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 240-69221/23-A
Matrix: Solid Lab File ID: P1000044.D
Analysis Method: 8151/DOD Date Collected: _____
Extraction Method: 8151A Date Extracted: 12/18/2012 11:08
Sample wt/vol: 30(g) Date Analyzed: 12/23/2012 03:56
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.: 69890 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	73		19-122

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP1\20121222-16119.b\P1000044.D
 Lims ID: MB 240-69221/23-A Client ID:
 Inject. Date: 23-Dec-2012 03:56:34 Dil. Factor: 1.0000
 Sample Type: MB
 Sample ID: 240-0016119-044
 Misc. Info.:
 Operator: 001754 Instrument ID: A2HP1
 Injection Vol: 1.0 ul ALS Bottle#: 44
 Lims Batch ID: 69890 Lims Sample ID: 44
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCChrom\ChromData\A2HP1\20121222-16119.b\8151_1.m
 Last Update: 26-Dec-2012 15:31:41 Calib Date: 03-Dec-2012 19:52:08
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D
 Limit Group: GC 8151 DOD
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK028

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

5 Dalapon
 1 1.236
 2 1.371
 \$ 4 2,4-Dichlorophenylacetic acid
 1 6.964 6.963 0.001 21853944 0.1466
 2 7.608 7.606 0.002 9979132 0.1608
 RPD = 9.21
 6 Dicamba
 1 7.129
 2 7.773
 10 MCPP 1
 1 7.413
 2 7.960
 9 MCPA 1
 1 7.576
 2 8.210
 7 Dichlorprop
 1 7.946
 2 8.569
 2 2,4-D 1
 1 8.184
 2 8.924
 11 Pentachlorophenol
 1 8.273
 2 9.217
 12 Silvex (2,4,5-TP) 1
 1 9.058
 2 9.859

Data File: \\NCChrom\ChromData\A2HP1\20121222-16119.b\1000044.D

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
1	2,4,5-T					1
1		9.373				
2		10.336				
3	2,4-DB					1
1		10.001				
2		10.987				
8	Dinoseb					1
1		11.207				
2		11.361				

QC Flag Legend

Processing Flags

1 - Missing Peaks

Report Date: 26-Dec-2012 15:31:45

Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCCrom\ChromData\A2HP1\20121222-16119.b\P1000044.D

Injection Date: 23-Dec-2012 03:56:34

Limit Group: GC 8151 DOD

Client ID:

Instrument ID: A2HP1

Lims Batch ID: 69890

Lims Sample ID: 44

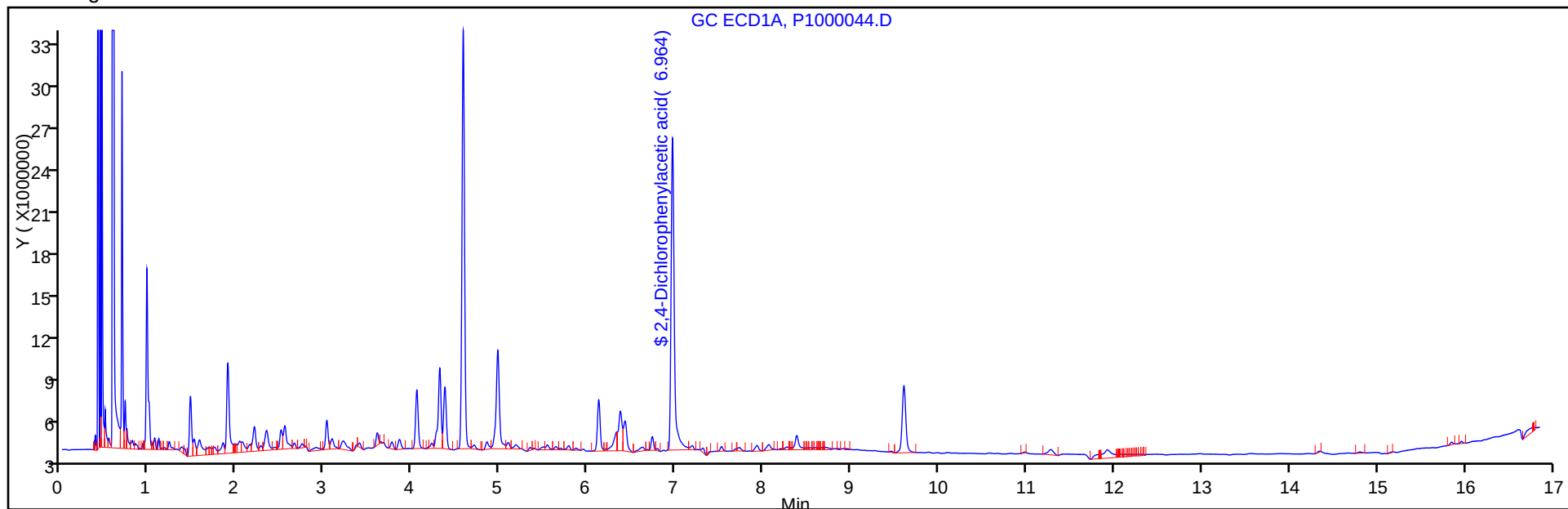
Operator ID: 001754

Injection Vol: 1.0 ul

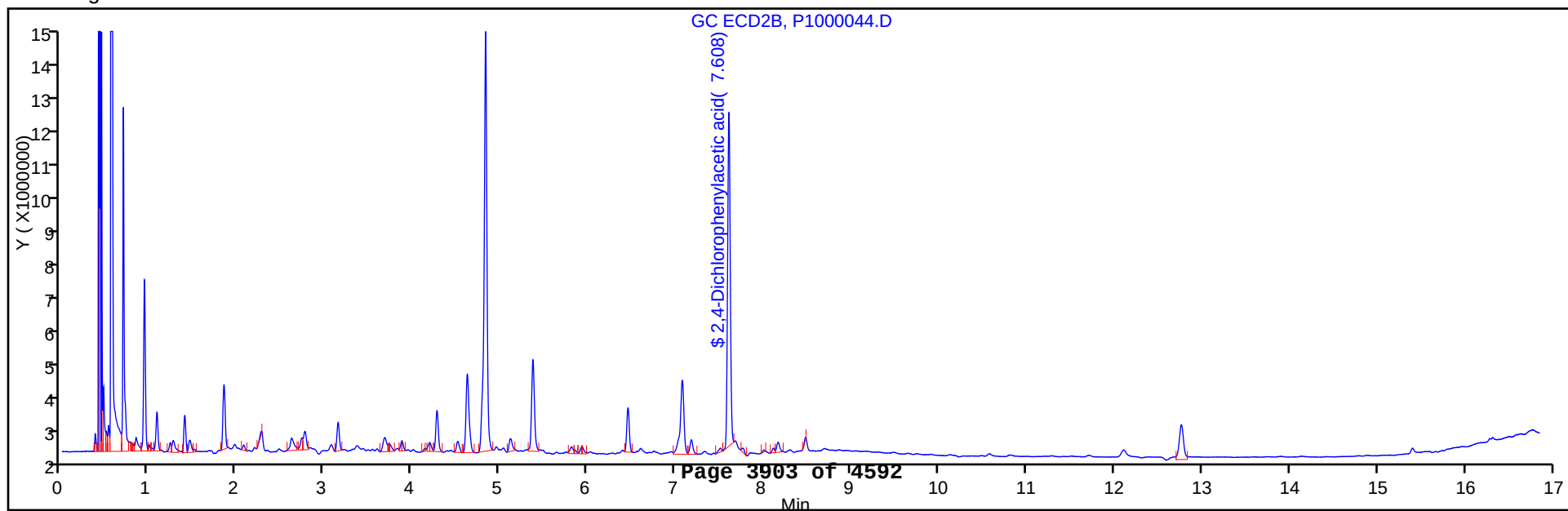
Column Type:

Column Dia:

Y Scaling:



Y Scaling:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18703-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 240-69221/23-A
 Matrix: Solid Lab File ID: P1000044.D
 Analysis Method: 8151/DOD Date Collected: _____
 Extraction Method: 8151A Date Extracted: 12/18/2012 11:08
 Sample wt/vol: 30(g) Date Analyzed: 12/23/2012 03:56
 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.: 69890 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
94-75-7	2,4-D	33	U	80	33	19
75-99-0	Dalapon	17	U	40	17	7.8
94-82-6	2,4-DB	33	U	80	33	22
1918-00-9	Dicamba	17	U	40	17	8.1
120-36-5	Dichlorprop	67	U	80	67	37
88-85-7	Dinoseb	10	U	12	10	10
94-74-6	MCPA	3300	U	8000	3300	1700
93-65-2	MCPD	3300	U	8000	3300	1500
87-86-5	Pentachlorophenol	8.3	U	10	8.3	4.3
93-72-1	Silvex (2,4,5-TP)	8.3	U	20	8.3	4.1
93-76-5	2,4,5-T	8.3	U	20	8.3	3.8

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	80		19-122

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP1\20121222-16119.b\P1000044.D
 Lims ID: MB 240-69221/23-A Client ID:
 Inject. Date: 23-Dec-2012 03:56:34 Dil. Factor: 1.0000
 Sample Type: MB
 Sample ID: 240-0016119-044
 Misc. Info.:
 Operator: 001754 Instrument ID: A2HP1
 Injection Vol: 1.0 ul ALS Bottle#: 44
 Lims Batch ID: 69890 Lims Sample ID: 44
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCChrom\ChromData\A2HP1\20121222-16119.b\8151_1.m
 Last Update: 26-Dec-2012 15:31:41 Calib Date: 03-Dec-2012 19:52:08
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D
 Limit Group: GC 8151 DOD
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK028

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

5 Dalapon

1 1.236
2 1.371

\$ 4 2,4-Dichlorophenylacetic acid

1 6.964 6.963 0.001 21853944 0.1466
2 7.608 7.606 0.002 9979132 0.1608

RPD = 9.21

6 Dicamba

1 7.129
2 7.773

10 MCPP

1 7.413
2 7.960

1

9 MCPA

1 7.576
2 8.210

1

7 Dichlorprop

1 7.946
2 8.569

2 2,4-D

1 8.184
2 8.924

1

11 Pentachlorophenol

1 8.273
2 9.217

12 Silvex (2,4,5-TP)

1 9.058
2 9.859

1

Data File: \\NCChrom\ChromData\A2HP1\20121222-16119.b\1000044.D

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
1	2,4,5-T					1
1		9.373				
2		10.336				
3	2,4-DB					1
1		10.001				
2		10.987				
8	Dinoseb					1
1		11.207				
2		11.361				

QC Flag Legend

Processing Flags

1 - Missing Peaks

Report Date: 26-Dec-2012 15:31:45

Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP1\20121222-16119.b\P1000044.D

Injection Date: 23-Dec-2012 03:56:34

Limit Group: GC 8151 DOD

Client ID:

Instrument ID: A2HP1

Lims Batch ID: 69890

Lims Sample ID: 44

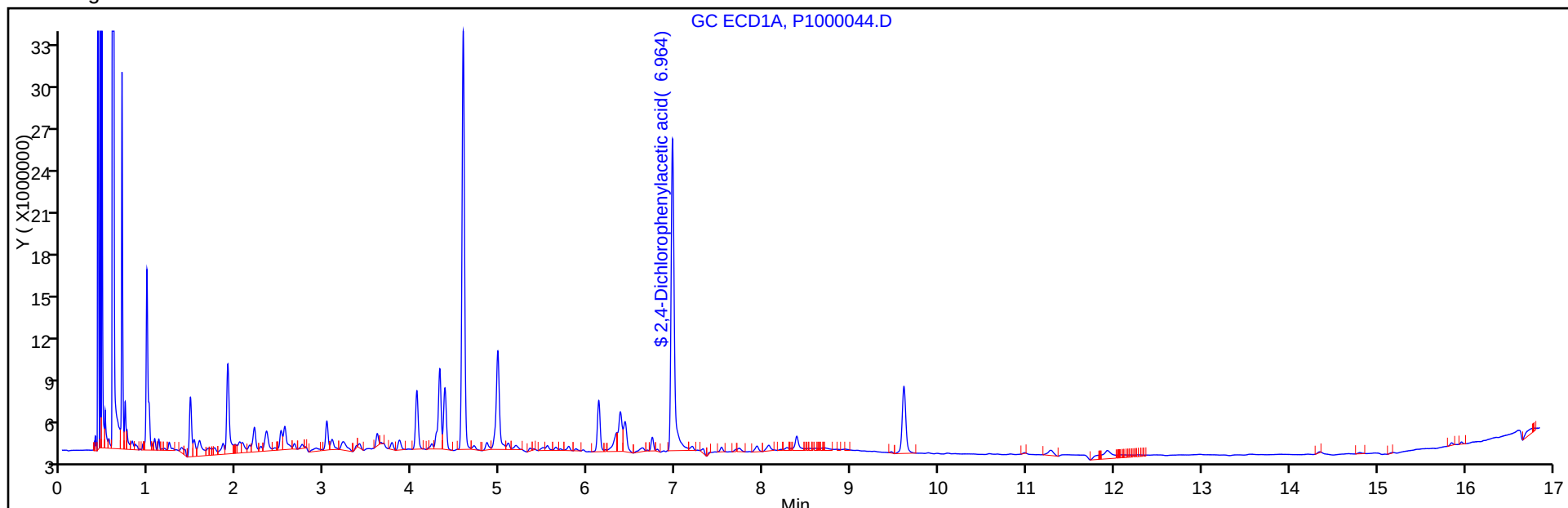
Operator ID: 001754

Injection Vol: 1.0 ul

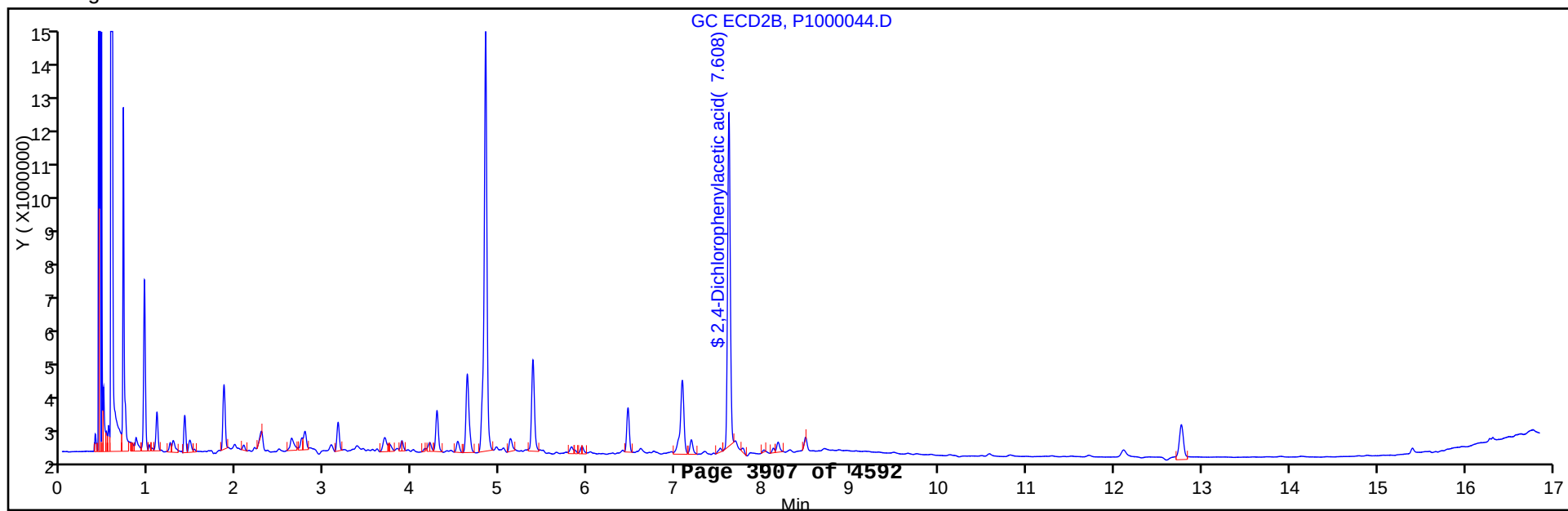
Column Type:

Column Dia:

Y Scaling:



Y Scaling:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18703-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 240-68522/22-A
 Matrix: Water Lab File ID: P1000018.D
 Analysis Method: 8151/DOD Date Collected: _____
 Extraction Method: 8151A Date Extracted: 12/13/2012 09:53
 Sample wt/vol: 500 (mL) Date Analyzed: 12/17/2012 16:40
 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.: 68956 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
94-75-7	2,4-D	39.2		4.0	0.50	0.41
75-99-0	Dalapon	15.7		2.0	0.20	0.17
94-82-6	2,4-DB	33.4		4.0	1.0	0.69
1918-00-9	Dicamba	18.6		2.0	1.0	0.52
120-36-5	Dichlorprop	47.0		4.0	1.0	0.86
88-85-7	Dinoseb	4.62		0.60	0.20	0.087
94-74-6	MCPA	3970		400	400	390
93-65-2	MCPD	4060		400	400	400
87-86-5	Pentachlorophenol	6.89		0.10	0.040	0.024
93-72-1	Silvex (2,4,5-TP)	9.39		1.0	0.20	0.20
93-76-5	2,4,5-T	9.47		1.0	0.50	0.30

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	89		32-112

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP1\20121217-15910.b\P1000018.D
 Lims ID: LCS 240-68522/22-A Client ID:
 Inject. Date: 17-Dec-2012 16:40:06 Dil. Factor: 1.0000
 Sample Type: LCS
 Sample ID: 240-0015910-018
 Misc. Info.:
 Operator: 001754 Instrument ID: A2HP1
 Injection Vol: 1.0 ul ALS Bottle#: 18
 Lims Batch ID: 68956 Lims Sample ID: 18
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCCChrom\ChromData\A2HP1\20121217-15910.b\8151_1.m
 Last Update: 18-Dec-2012 09:31:00 Calib Date: 03-Dec-2012 19:52:08
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D
 Limit Group: GC 8151 DOD
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK012

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

5 Dalapon

1	1.263	1.263	0.000	35988639	0.0787
2	1.396	1.394	0.002	12976142	0.0893

RPD = 12.66

\$ 4 2,4-Dichlorophenylacetic acid

1	7.002	7.003	-0.001	26623909	0.1786
2	7.638	7.637	0.001	12115596	0.1952

RPD = 8.86

6 Dicamba

1	7.169	7.168	0.001	57406231	0.0929
2	7.804	7.804	0.000	25897242	0.1013

RPD = 8.62

10 MCPP

1	7.452	7.453	-0.001	11289642	20.3
2	7.991	7.990	0.001	4885491	20.9

RPD = 2.95

9 MCPA

1	7.616	7.616	0.000	14085699	19.9
2	8.242	8.241	0.001	6359926	21.5

RPD = 7.74

7 Dichlorprop

1	7.987	7.988	-0.001	32520231	0.2349
2	8.603	8.603	0.000	13392642	0.2540

RPD = 7.83

2 2,4-D

1	8.227	8.228	-0.001	29486050	0.1959
2	8.961	8.962	-0.001	12208414	0.1969

RPD = 0.52

Data File: \\NCCchrom\ChromData\A2HP1\20121217-15910.b\P1000018.D

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

11 Pentachlorophenol

1	8.317	8.317	0.000	58312402	0.0345	
2	9.257	9.257	0.000	23198377	0.0319	

RPD = 7.63

12 Silvex (2,4,5-TP)

1	9.107	9.109	-0.002	35852982	0.0470	
2	9.902	9.903	-0.001	14227326	0.0501	

RPD = 6.49

1 2,4,5-T

1	9.423	9.428	-0.005	29064269	0.0474	
2	10.380	10.381	-0.001	12109307	0.0499	

RPD = 5.26

3 2,4-DB

1	10.055	10.059	-0.004	10657216	0.1669	
2	11.030	11.034	-0.004	4553298	0.1714	

RPD = 2.65

8 Dinoseb

1	11.270	11.272	-0.002	11688993	0.0231	
2	11.411	11.412	-0.001	4615394	0.0239	

RPD = 3.24

Report Date: 18-Dec-2012 09:31:08

Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP1\20121217-15910.b\P1000018.D

Injection Date: 17-Dec-2012 16:40:06

Limit Group: GC 8151 DOD

Client ID:

Instrument ID: A2HP1

Lims Batch ID: 68956

Lims Sample ID: 18

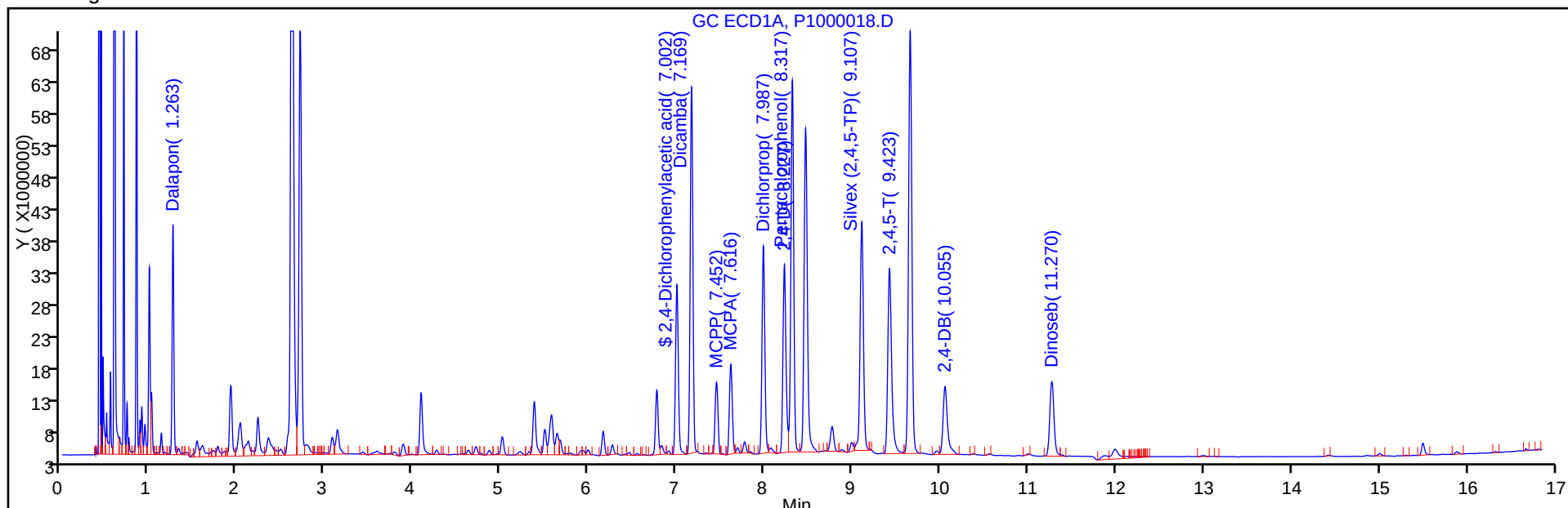
Operator ID: 001754

Injection Vol: 1.0 ul

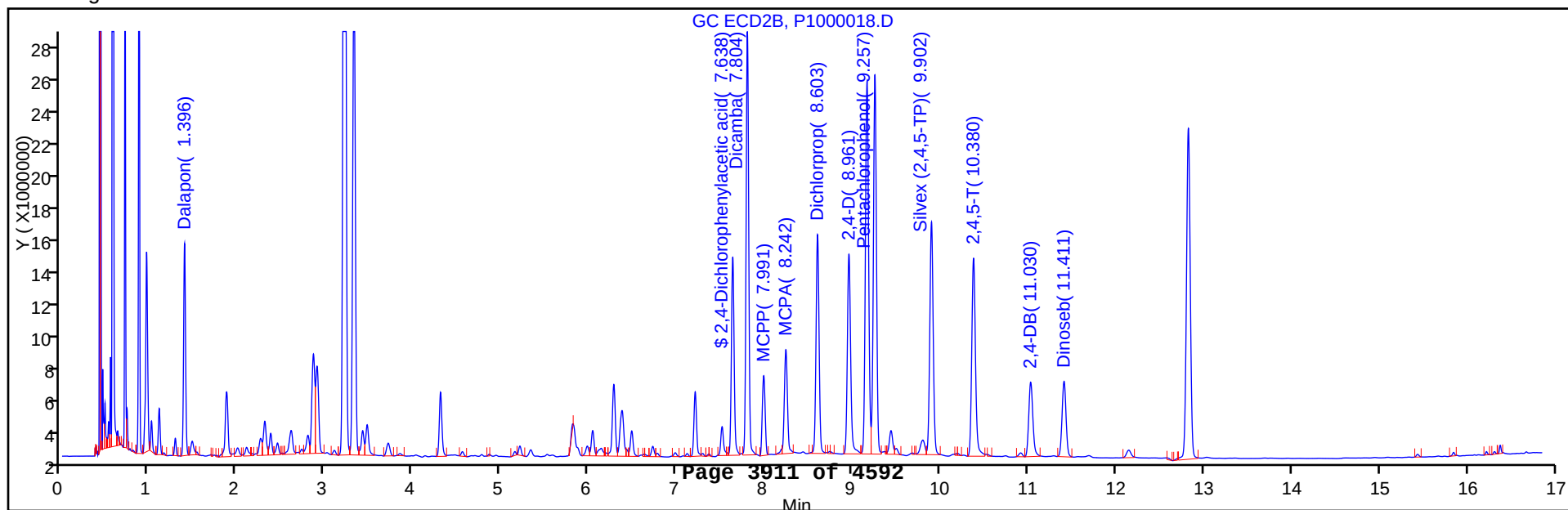
Column Type:

Column Dia:

Y Scaling:



Y Scaling:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18703-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: LCS 240-68522/22-A
Matrix: Water Lab File ID: P1000018.D
Analysis Method: 8151/DOD Date Collected: _____
Extraction Method: 8151A Date Extracted: 12/13/2012 09:53
Sample wt/vol: 500 (mL) Date Analyzed: 12/17/2012 16:40
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.: 68956 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	98		32-112

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP1\20121217-15910.b\P1000018.D
 Lims ID: LCS 240-68522/22-A Client ID:
 Inject. Date: 17-Dec-2012 16:40:06 Dil. Factor: 1.0000
 Sample Type: LCS
 Sample ID: 240-0015910-018
 Misc. Info.:
 Operator: 001754 Instrument ID: A2HP1
 Injection Vol: 1.0 ul ALS Bottle#: 18
 Lims Batch ID: 68956 Lims Sample ID: 18
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCCChrom\ChromData\A2HP1\20121217-15910.b\8151_1.m
 Last Update: 18-Dec-2012 09:31:00 Calib Date: 03-Dec-2012 19:52:08
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D
 Limit Group: GC 8151 DOD
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK012

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

5 Dalapon

1	1.263	1.263	0.000	35988639	0.0787
2	1.396	1.394	0.002	12976142	0.0893

RPD = 12.66

\$ 4 2,4-Dichlorophenylacetic acid

1	7.002	7.003	-0.001	26623909	0.1786
2	7.638	7.637	0.001	12115596	0.1952

RPD = 8.86

6 Dicamba

1	7.169	7.168	0.001	57406231	0.0929
2	7.804	7.804	0.000	25897242	0.1013

RPD = 8.62

10 MCPP

1	7.452	7.453	-0.001	11289642	20.3
2	7.991	7.990	0.001	4885491	20.9

RPD = 2.95

9 MCPA

1	7.616	7.616	0.000	14085699	19.9
2	8.242	8.241	0.001	6359926	21.5

RPD = 7.74

7 Dichlorprop

1	7.987	7.988	-0.001	32520231	0.2349
2	8.603	8.603	0.000	13392642	0.2540

RPD = 7.83

2 2,4-D

1	8.227	8.228	-0.001	29486050	0.1959
2	8.961	8.962	-0.001	12208414	0.1969

RPD = 0.52

Data File: \\NCCchrom\ChromData\A2HP1\20121217-15910.b\P1000018.D

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

11 Pentachlorophenol

1	8.317	8.317	0.000	58312402	0.0345	
2	9.257	9.257	0.000	23198377	0.0319	

RPD = 7.63

12 Silvex (2,4,5-TP)

1	9.107	9.109	-0.002	35852982	0.0470	
2	9.902	9.903	-0.001	14227326	0.0501	

RPD = 6.49

1 2,4,5-T

1	9.423	9.428	-0.005	29064269	0.0474	
2	10.380	10.381	-0.001	12109307	0.0499	

RPD = 5.26

3 2,4-DB

1	10.055	10.059	-0.004	10657216	0.1669	
2	11.030	11.034	-0.004	4553298	0.1714	

RPD = 2.65

8 Dinoseb

1	11.270	11.272	-0.002	11688993	0.0231	
2	11.411	11.412	-0.001	4615394	0.0239	

RPD = 3.24

Report Date: 18-Dec-2012 09:31:09

Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCC\Chrom\ChromData\A2HP1\20121217-15910.b\P1000018.D

Injection Date: 17-Dec-2012 16:40:06

Limit Group: GC 8151 DOD

Client ID:

Instrument ID: A2HP1

Lims Batch ID: 68956

Lims Sample ID: 18

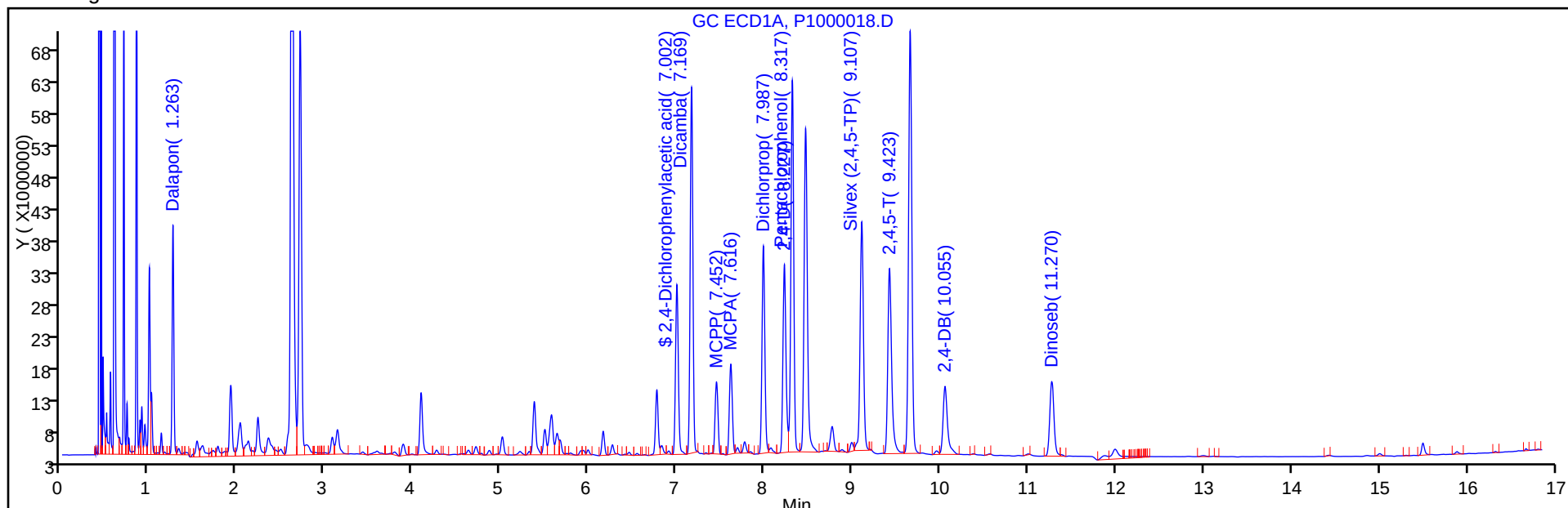
Operator ID: 001754

Injection Vol: 1.0 ul

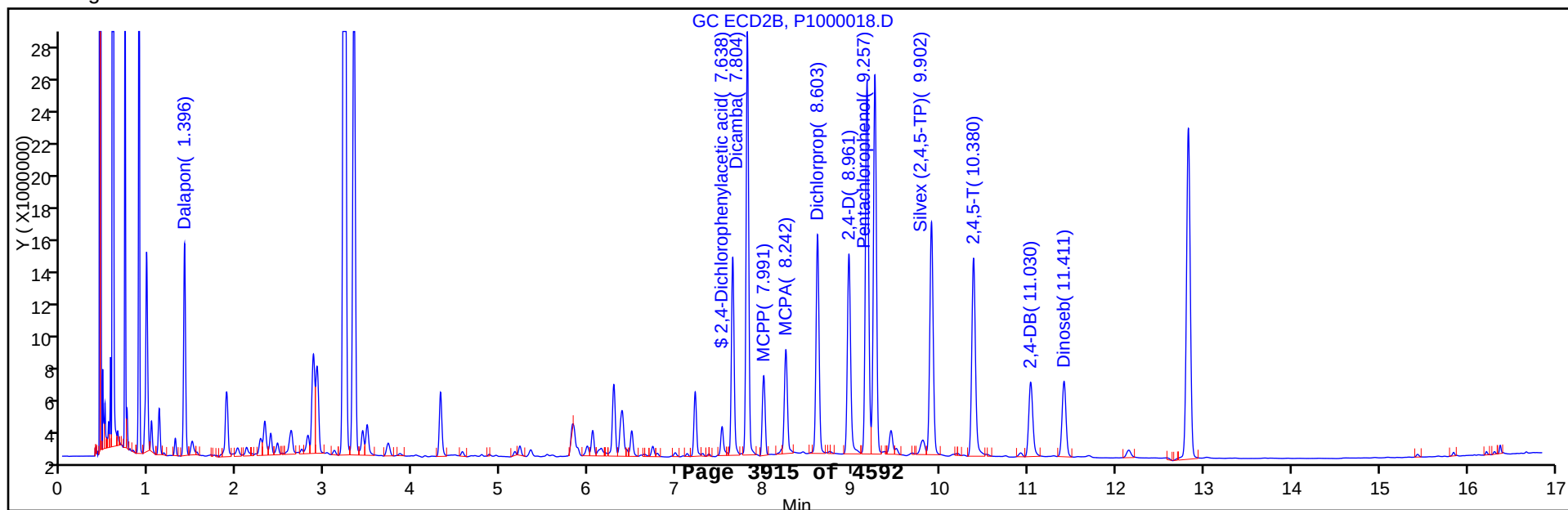
Column Type:

Column Dia:

Y Scaling:



Y Scaling:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18703-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: LCS 240-69221/24-A
Matrix: Solid Lab File ID: P1000045.D
Analysis Method: 8151/DOD Date Collected: _____
Extraction Method: 8151A Date Extracted: 12/18/2012 11:08
Sample wt/vol: 30(g) Date Analyzed: 12/23/2012 04:19
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.: 69890 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	78		19-122

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP1\20121222-16119.b\P1000045.D
 Lims ID: LCS 240-69221/24-A Client ID:
 Inject. Date: 23-Dec-2012 04:19:56 Dil. Factor: 1.0000
 Sample Type: LCS
 Sample ID: 240-0016119-045
 Misc. Info.:
 Operator: 001754 Instrument ID: A2HP1
 Injection Vol: 1.0 ul ALS Bottle#: 45
 Lims Batch ID: 69890 Lims Sample ID: 45
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCChrom\ChromData\A2HP1\20121222-16119.b\8151_1.m
 Last Update: 26-Dec-2012 15:31:41 Calib Date: 03-Dec-2012 19:52:08
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D
 Limit Group: GC 8151 DOD
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK028

First Level Reviewer: bolgrind

Date:

26-Dec-2012 15:21:39

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

5 Dalapon

1	1.236	1.236	0.000	28061883	0.0613	
2	1.370	1.371	-0.001	10207636	0.0703	
RPD = 13.54						

\$ 4 2,4-Dichlorophenylacetic acid

1	6.962	6.963	-0.001	23371813	0.1568	
2	7.606	7.606	0.000	10933728	0.1761	
RPD = 11.62						

6 Dicamba

1	7.128	7.129	-0.001	49163460	0.0796	
2	7.772	7.773	-0.001	21889922	0.0856	
RPD = 7.31						

10 MCPP

1	7.412	7.413	-0.001	9687920	16.8	
2	7.960	7.960	0.000	4106023	17.0	
RPD = 1.12						

9 MCPA

1	7.575	7.576	-0.001	12468333	17.0	
2	8.210	8.210	0.000	5732151	19.0	
RPD = 11.16						

7 Dichlorprop

1	7.945	7.946	-0.001	28344890	0.2047	
2	8.568	8.569	-0.001	12040217	0.2284	
RPD = 10.92						

2 2,4-D

1	8.183	8.184	-0.001	28194874	0.1873	
2	8.922	8.924	-0.002	11211777	0.1808	
RPD = 3.52						

Data File: \\NCCChrom\ChromData\A2HP1\20121222-16119.b\P1000045.D

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

11 Pentachlorophenol

1	8.272	8.273	-0.001	41472323	0.0241	
2	9.216	9.217	-0.001	15928663	0.0216	
RPD = 10.84						

12 Silvex (2,4,5-TP)

1	9.056	9.058	-0.002	31991435	0.0419	
2	9.859	9.859	0.000	12263077	0.0432	
RPD = 3.03						

1 2,4,5-T

1	9.370	9.373	-0.003	26526768	0.0432	
2	10.335	10.336	-0.001	10636703	0.0438	
RPD = 1.43						

3 2,4-DB

1	9.997	10.001	-0.004	10910310	0.1709	
2	10.983	10.987	-0.004	4445927	0.1674	
RPD = 2.08						

8 Dinoseb

1	11.208	11.207	0.001	2045129	0.004043	
2	11.360	11.361	-0.001	765425	0.003958	
RPD = 2.11						

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP1\20121222-16119.b\P1000045.D

Injection Date: 23-Dec-2012 04:19:56

Limit Group: GC 8151 DOD

Client ID:

Instrument ID: A2HP1

Lims Batch ID: 69890

Lims Sample ID: 45

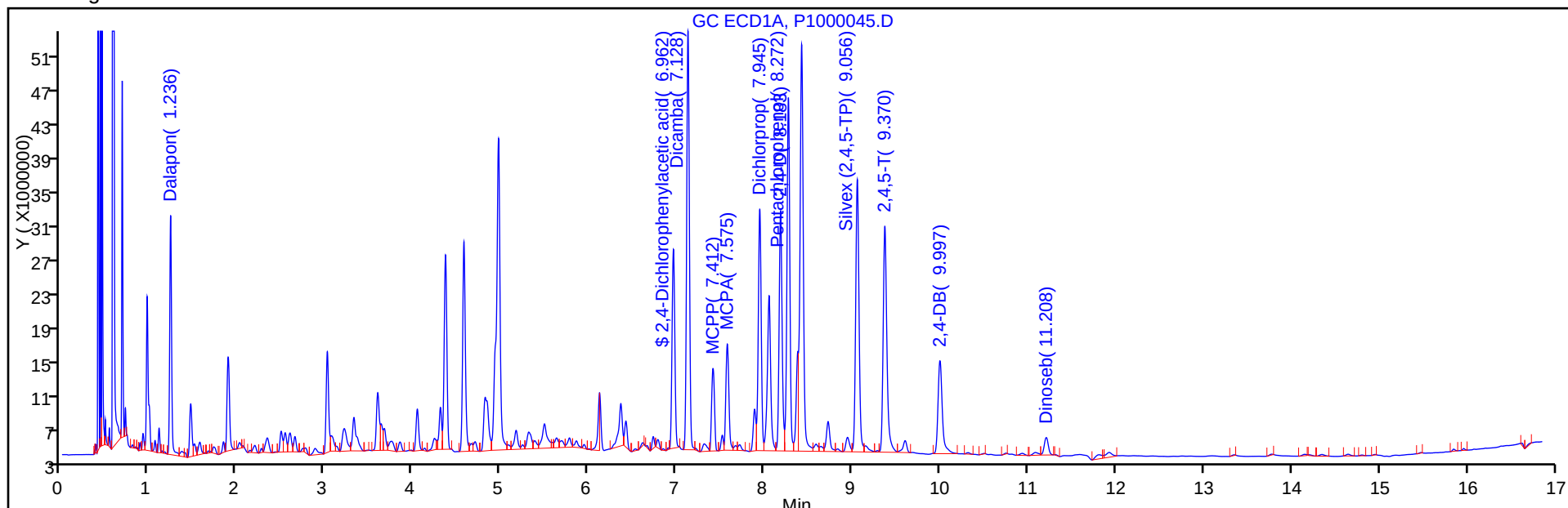
Operator ID: 001754

Injection Vol: 1.0 ul

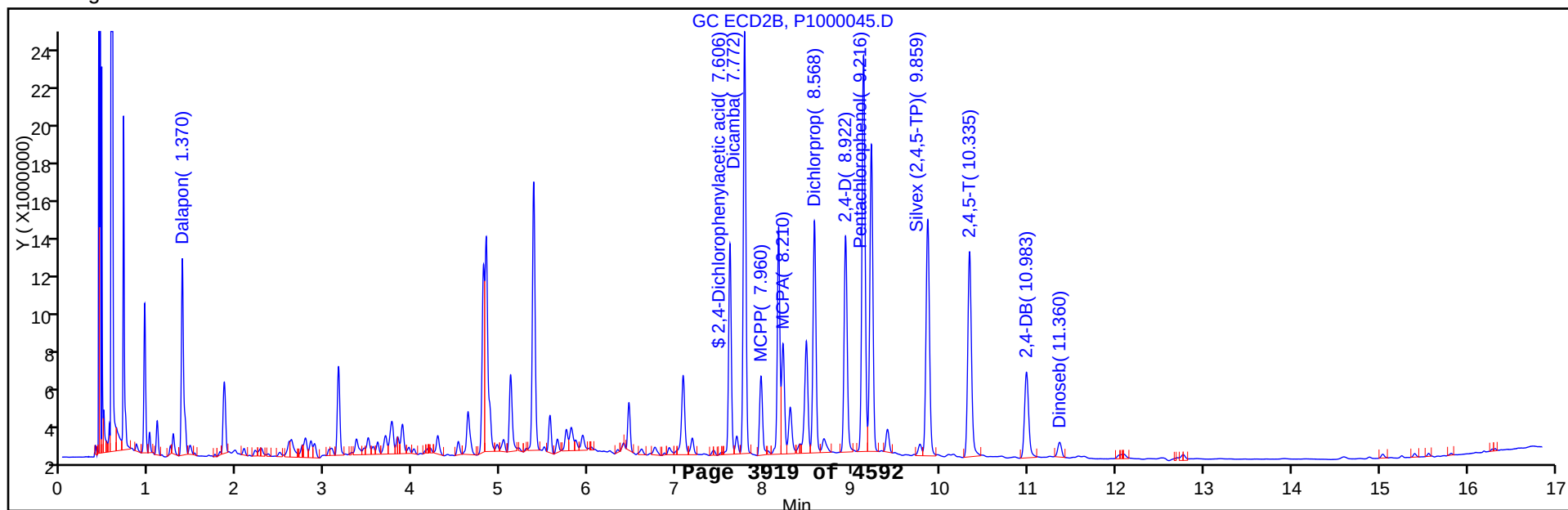
Column Type:

Column Dia:

Y Scaling:



Y Scaling:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18703-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 240-69221/24-A
 Matrix: Solid Lab File ID: P1000045.D
 Analysis Method: 8151/DOD Date Collected: _____
 Extraction Method: 8151A Date Extracted: 12/18/2012 11:08
 Sample wt/vol: 30(g) Date Analyzed: 12/23/2012 04:19
 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.: 69890 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
94-75-7	2,4-D	603		80	33	19
75-99-0	Dalapon	234		40	17	7.8
94-82-6	2,4-DB	558		80	33	22
1918-00-9	Dicamba	285		40	17	8.1
120-36-5	Dichlorprop	761		80	67	37
88-85-7	Dinoseb	13.2		12	10	10
94-74-6	MCPA	63500		8000	3300	1700
93-65-2	MCPP	56800		8000	3300	1500
87-86-5	Pentachlorophenol	72.1		10	8.3	4.3
93-72-1	Silvex (2,4,5-TP)	144		20	8.3	4.1
93-76-5	2,4,5-T	146		20	8.3	3.8

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	88		19-122

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP1\20121222-16119.b\P1000045.D
 Lims ID: LCS 240-69221/24-A Client ID:
 Inject. Date: 23-Dec-2012 04:19:56 Dil. Factor: 1.0000
 Sample Type: LCS
 Sample ID: 240-0016119-045
 Misc. Info.:
 Operator: 001754 Instrument ID: A2HP1
 Injection Vol: 1.0 ul ALS Bottle#: 45
 Lims Batch ID: 69890 Lims Sample ID: 45
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCChrom\ChromData\A2HP1\20121222-16119.b\8151_1.m
 Last Update: 26-Dec-2012 15:31:41 Calib Date: 03-Dec-2012 19:52:08
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D
 Limit Group: GC 8151 DOD
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK028

First Level Reviewer: bolgrind

Date:

26-Dec-2012 15:21:39

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

5 Dalapon

1	1.236	1.236	0.000	28061883	0.0613
2	1.370	1.371	-0.001	10207636	0.0703

RPD = 13.54

\$ 4 2,4-Dichlorophenylacetic acid

1	6.962	6.963	-0.001	23371813	0.1568
2	7.606	7.606	0.000	10933728	0.1761

RPD = 11.62

6 Dicamba

1	7.128	7.129	-0.001	49163460	0.0796
2	7.772	7.773	-0.001	21889922	0.0856

RPD = 7.31

10 MCPP

1	7.412	7.413	-0.001	9687920	16.8
2	7.960	7.960	0.000	4106023	17.0

RPD = 1.12

9 MCPA

1	7.575	7.576	-0.001	12468333	17.0
2	8.210	8.210	0.000	5732151	19.0

RPD = 11.16

7 Dichlorprop

1	7.945	7.946	-0.001	28344890	0.2047
2	8.568	8.569	-0.001	12040217	0.2284

RPD = 10.92

2 2,4-D

1	8.183	8.184	-0.001	28194874	0.1873
2	8.922	8.924	-0.002	11211777	0.1808

RPD = 3.52

Data File: \\NCCChrom\ChromData\A2HP1\20121222-16119.b\1000045.D

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

11 Pentachlorophenol

1	8.272	8.273	-0.001	41472323	0.0241	
2	9.216	9.217	-0.001	15928663	0.0216	
RPD = 10.84						

12 Silvex (2,4,5-TP)

1	9.056	9.058	-0.002	31991435	0.0419	
2	9.859	9.859	0.000	12263077	0.0432	
RPD = 3.03						

1 2,4,5-T

1	9.370	9.373	-0.003	26526768	0.0432	
2	10.335	10.336	-0.001	10636703	0.0438	
RPD = 1.43						

3 2,4-DB

1	9.997	10.001	-0.004	10910310	0.1709	
2	10.983	10.987	-0.004	4445927	0.1674	
RPD = 2.08						

8 Dinoseb

1	11.208	11.207	0.001	2045129	0.004043	
2	11.360	11.361	-0.001	765425	0.003958	
RPD = 2.11						

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP1\20121222-16119.b\P1000045.D

Injection Date: 23-Dec-2012 04:19:56

Limit Group: GC 8151 DOD

Client ID:

Instrument ID: A2HP1

Lims Batch ID: 69890

Lims Sample ID: 45

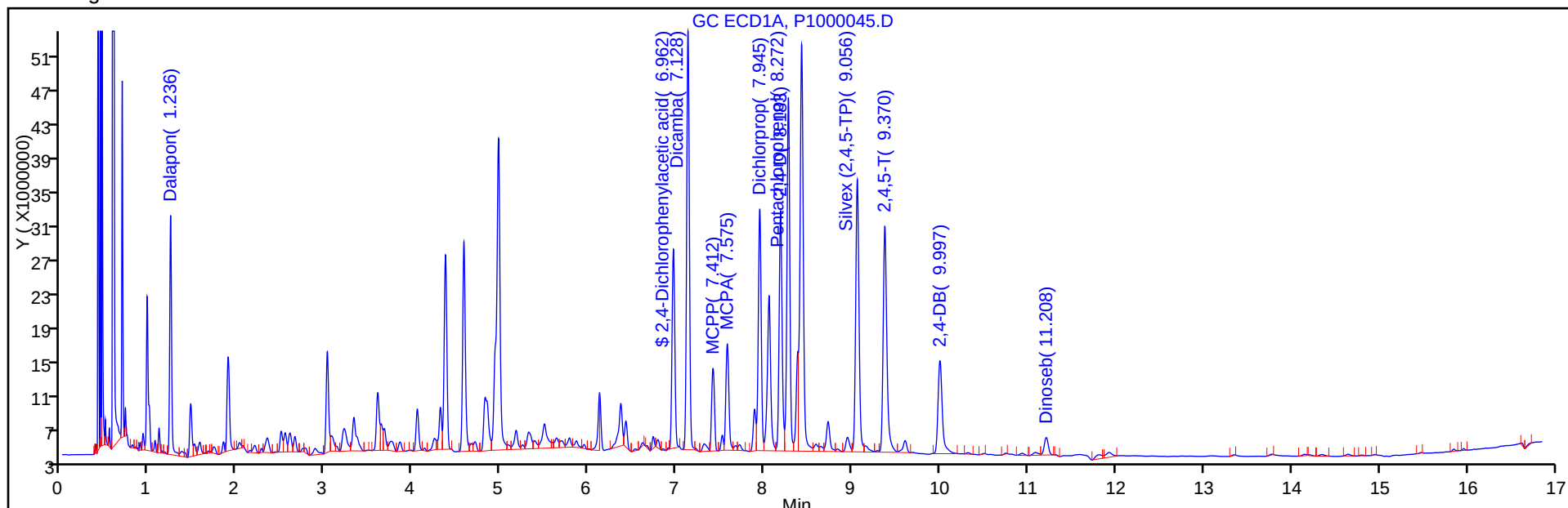
Operator ID: 001754

Injection Vol: 1.0 ul

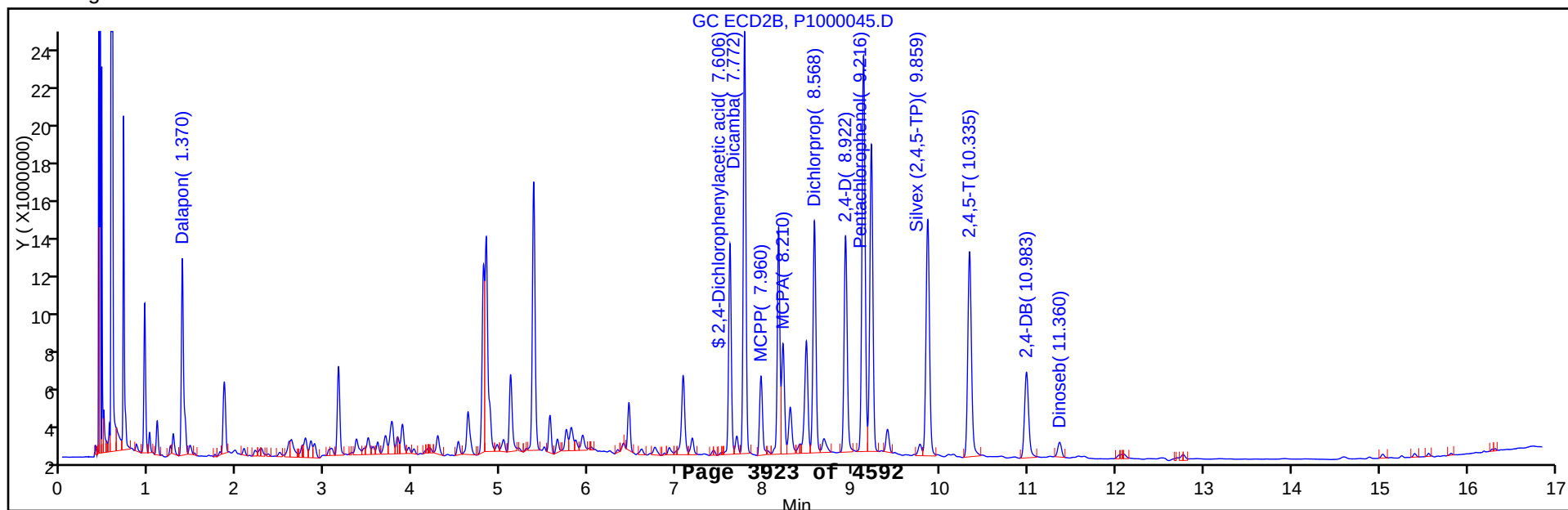
Column Type:

Column Dia:

Y Scaling:



Y Scaling:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18703-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MRL 240-68956/12
 Matrix: Water Lab File ID: P1000012.D
 Analysis Method: 8151/DOD Date Collected: _____
 Extraction Method: _____ Date Extracted: _____
 Sample wt/vol: 1(mL) Date Analyzed: 12/17/2012 14:18
 Con. Extract Vol.: _____ Dilution Factor: 1
 Injection Volume: 1(uL) GC Column: CLP-1 ID: 0.53(mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 68956 Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
94-75-7	2,4-D	0.0195		0.0040	0.00050	0.00041
75-99-0	Dalapon	0.0125		0.0020	0.00020	0.00017
94-82-6	2,4-DB	0.0173		0.0040	0.0010	0.00069
1918-00-9	Dicamba	0.0117		0.0020	0.0010	0.00052
120-36-5	Dichlorprop	0.0241		0.0040	0.0010	0.00086
88-85-7	Dinoseb	0.00348		0.00060	0.00020	0.000087
94-74-6	MCPA	1.04	^	0.40	0.40	0.39
93-65-2	MCPD	1.17	^	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)	0.00523		0.0010	0.00020	0.00020
93-76-5	2,4,5-T	0.00442		0.0010	0.00050	0.00030

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	116	Q	32-112

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP1\20121217-15910.b\P1000012.D
 Lims ID: MRL Client ID:
 Inject. Date: 17-Dec-2012 14:18:36 Dil. Factor: 1.0000
 Sample Type: MRL
 Sample ID: 240-0015910-012
 Misc. Info.:
 Operator: 001754 Instrument ID: A2HP1
 Injection Vol: 1.0 ul ALS Bottle#: 12
 Lims Batch ID: 68956 Lims Sample ID: 12
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCCChrom\ChromData\A2HP1\20121217-15910.b\8151_1.m
 Last Update: 18-Dec-2012 09:31:00 Calib Date: 03-Dec-2012 19:52:08
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D
 Limit Group: GC 8151 DOD
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK012

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

5 Dalapon

1	1.263	1.263	0.000	5736273	0.0125	
2	1.395	1.394	0.001	1794363	0.0124	
RPD = 1.53						

\$ 4 2,4-Dichlorophenylacetic acid

1	7.004	7.003	0.001	3468539	0.0233	
2	7.638	7.637	0.001	1454290	0.0234	
RPD = 0.68						

6 Dicamba

1	7.169	7.168	0.001	7255288	0.0117	
2	7.805	7.804	0.001	2986831	0.0117	
RPD = 0.53						

10 MCPP

1	7.453	7.453	0.000	1847921	1.17	
2	7.991	7.990	0.001	748679	1.36	
RPD = 15.42						

9 MCPA

1	7.617	7.616	0.001	2658244	1.04	
2	8.243	8.241	0.002	1132292	1.38	
RPD = 28.45						

7 Dichlorprop

1	7.989	7.988	0.001	3330311	0.0241	
2	8.605	8.603	0.002	1234973	0.0234	
RPD = 2.66						

2 2,4-D

1	8.236	8.228	0.008	2941025	0.0195	
2	8.966	8.962	0.004	1311915	0.0212	
RPD = 7.97						

Data File: \\NCCchrom\ChromData\A2HP1\20121217-15910.b\P1000012.D

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

11 Pentachlorophenol 1

1 8.317

2 9.257

12 Silvex (2,4,5-TP)

1 9.112 9.109 0.003 3990795 0.005227

2 9.904 9.903 0.001 1528110 0.005382

RPD = 2.92

1 2,4,5-T

1 9.432 9.428 0.004 2710259 0.004416

2 10.384 10.381 0.003 1230665 0.005073

RPD = 13.85

3 2,4-DB

1 10.071 10.059 0.012 1106599 0.0173

2 11.037 11.034 0.003 76210 0.002869

RPD = 143.19

8 Dinoseb

1 11.273 11.272 0.001 1761165 0.003482

2 11.413 11.412 0.001 637809 0.003298

RPD = 5.40

QC Flag Legend

Processing Flags

1 - Missing Peaks

Report Date: 18-Dec-2012 09:31:02

Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP1\20121217-15910.b\P1000012.D

Injection Date: 17-Dec-2012 14:18:36

Limit Group: GC 8151 DOD

Client ID:

Instrument ID: A2HP1

Lims Batch ID: 68956

Lims Sample ID: 12

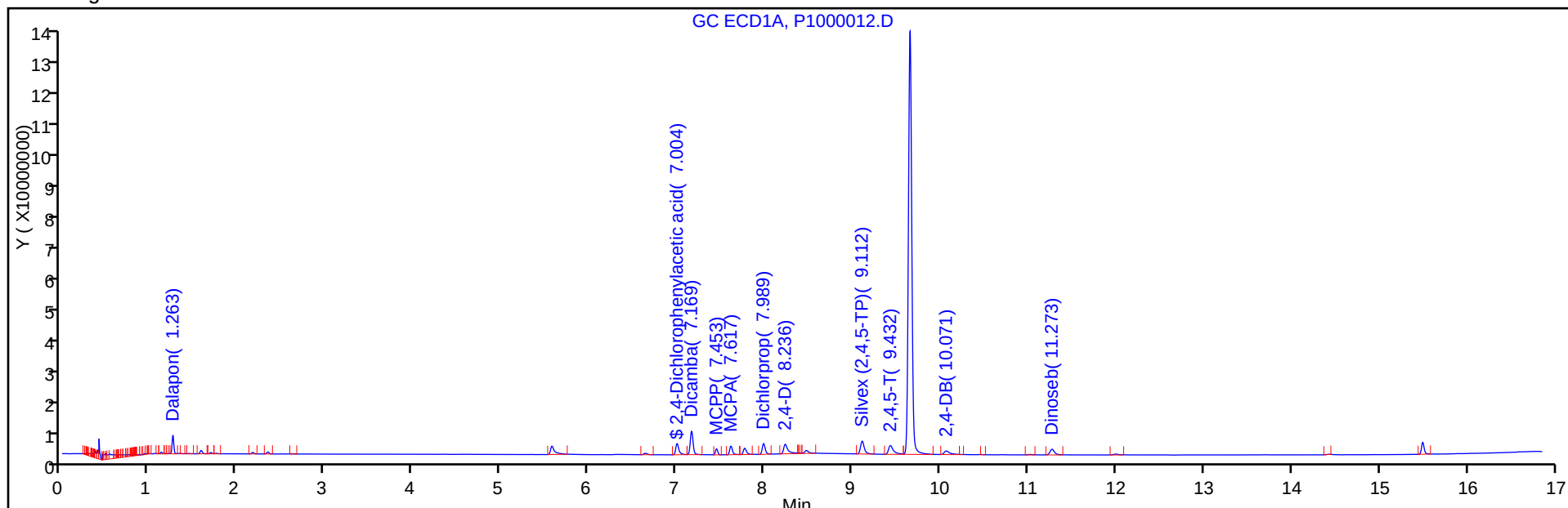
Operator ID: 001754

Injection Vol: 1.0 ul

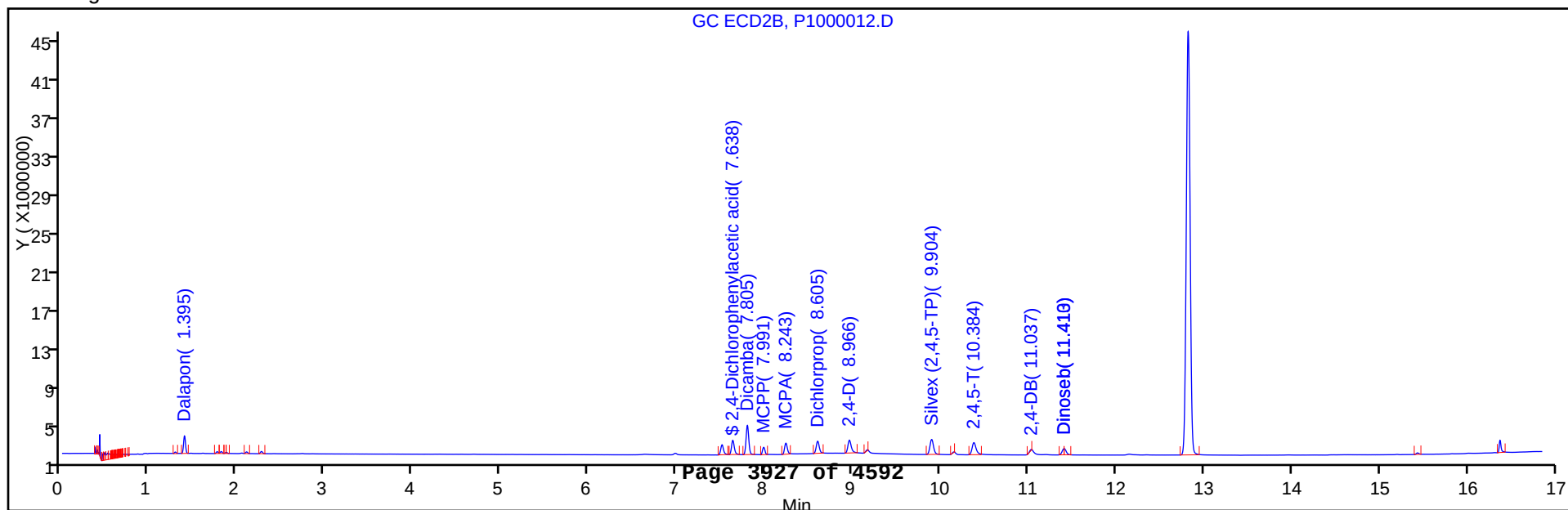
Column Type:

Column Dia:

Y Scaling:



Y Scaling:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18703-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MRL 240-68956/12

Matrix: Water Lab File ID: P1000012.D

Analysis Method: 8151/DOD Date Collected: _____

Extraction Method: _____ Date Extracted: _____

Sample wt/vol: 1(mL) Date Analyzed: 12/17/2012 14:18

Con. Extract Vol.: _____ Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)

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

Analysis Batch No.: 68956 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	0.0124		0.0020	0.00020	0.00017
94-82-6	2,4-DB	0.00287	J ^	0.0040	0.0010	0.00069
1918-00-9	Dicamba	0.0117		0.0020	0.0010	0.00052
120-36-5	Dichlorprop	0.0234		0.0040	0.0010	0.00086
88-85-7	Dinoseb	0.00330		0.00060	0.00020	0.000087
94-74-6	MCPA	1.38	^	0.40	0.40	0.39
93-65-2	MCPP	1.36	^	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)	0.00538		0.0010	0.00020	0.00020
93-76-5	2,4,5-T	0.00507		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: \\NCCChrom\ChromData\A2HP1\20121217-15910.b\P1000012.D
 Lims ID: MRL Client ID:
 Inject. Date: 17-Dec-2012 14:18:36 Dil. Factor: 1.0000
 Sample Type: MRL
 Sample ID: 240-0015910-012
 Misc. Info.:
 Operator: 001754 Instrument ID: A2HP1
 Injection Vol: 1.0 ul ALS Bottle#: 12
 Lims Batch ID: 68956 Lims Sample ID: 12
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCCChrom\ChromData\A2HP1\20121217-15910.b\8151_1.m
 Last Update: 18-Dec-2012 09:31:00 Calib Date: 03-Dec-2012 19:52:08
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D
 Limit Group: GC 8151 DOD
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK012

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

5 Dalapon

1	1.263	1.263	0.000	5736273	0.0125	
2	1.395	1.394	0.001	1794363	0.0124	
RPD = 1.53						

\$ 4 2,4-Dichlorophenylacetic acid

1	7.004	7.003	0.001	3468539	0.0233	
2	7.638	7.637	0.001	1454290	0.0234	
RPD = 0.68						

6 Dicamba

1	7.169	7.168	0.001	7255288	0.0117	
2	7.805	7.804	0.001	2986831	0.0117	
RPD = 0.53						

10 MCPP

1	7.453	7.453	0.000	1847921	1.17	
2	7.991	7.990	0.001	748679	1.36	
RPD = 15.42						

9 MCPA

1	7.617	7.616	0.001	2658244	1.04	
2	8.243	8.241	0.002	1132292	1.38	
RPD = 28.45						

7 Dichlorprop

1	7.989	7.988	0.001	3330311	0.0241	
2	8.605	8.603	0.002	1234973	0.0234	
RPD = 2.66						

2 2,4-D

1	8.236	8.228	0.008	2941025	0.0195	
2	8.966	8.962	0.004	1311915	0.0212	
RPD = 7.97						

Data File: \\NCCchrom\ChromData\A2HP1\20121217-15910.b\P1000012.D

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

11 Pentachlorophenol 1

1 8.317

2 9.257

12 Silvex (2,4,5-TP)

1 9.112 9.109 0.003 3990795 0.005227

2 9.904 9.903 0.001 1528110 0.005382

RPD = 2.92

1 2,4,5-T

1 9.432 9.428 0.004 2710259 0.004416

2 10.384 10.381 0.003 1230665 0.005073

RPD = 13.85

3 2,4-DB

1 10.071 10.059 0.012 1106599 0.0173

2 11.037 11.034 0.003 76210 0.002869

RPD = 143.19

8 Dinoseb

1 11.273 11.272 0.001 1761165 0.003482

2 11.413 11.412 0.001 637809 0.003298

RPD = 5.40

QC Flag Legend

Processing Flags

1 - Missing Peaks

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP1\20121217-15910.b\P1000012.D

Injection Date: 17-Dec-2012 14:18:36

Limit Group: GC 8151 DOD

Client ID:

Instrument ID: A2HP1

Lims Batch ID: 68956

Lims Sample ID: 12

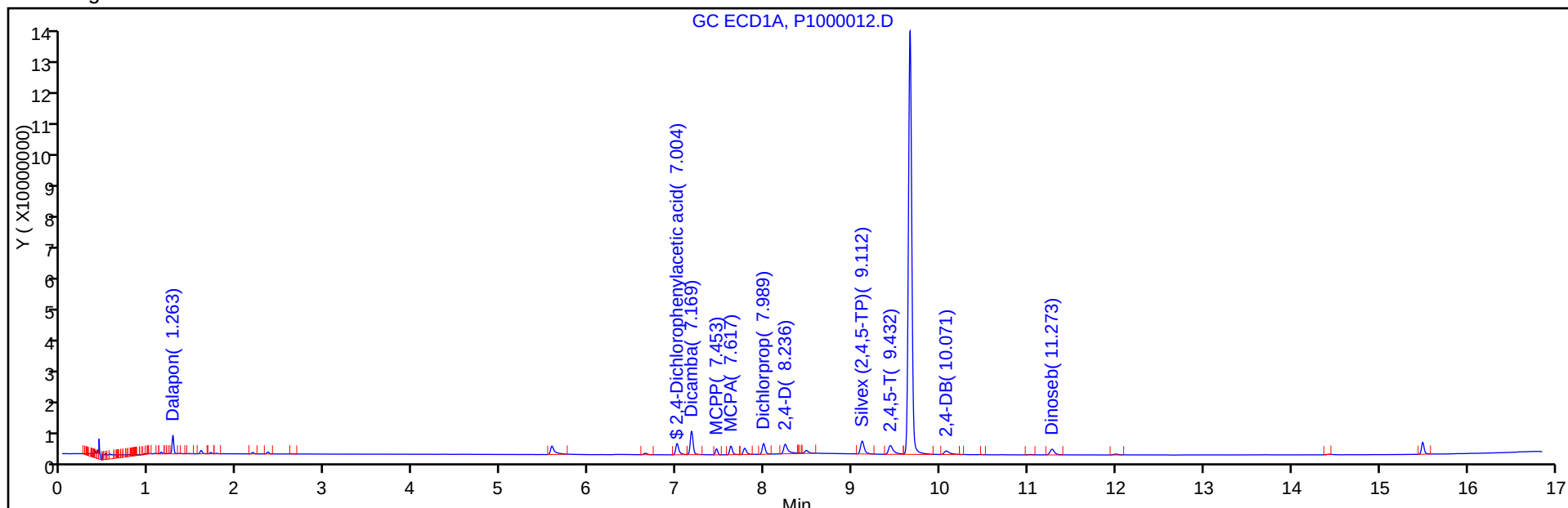
Operator ID: 001754

Injection Vol: 1.0 ul

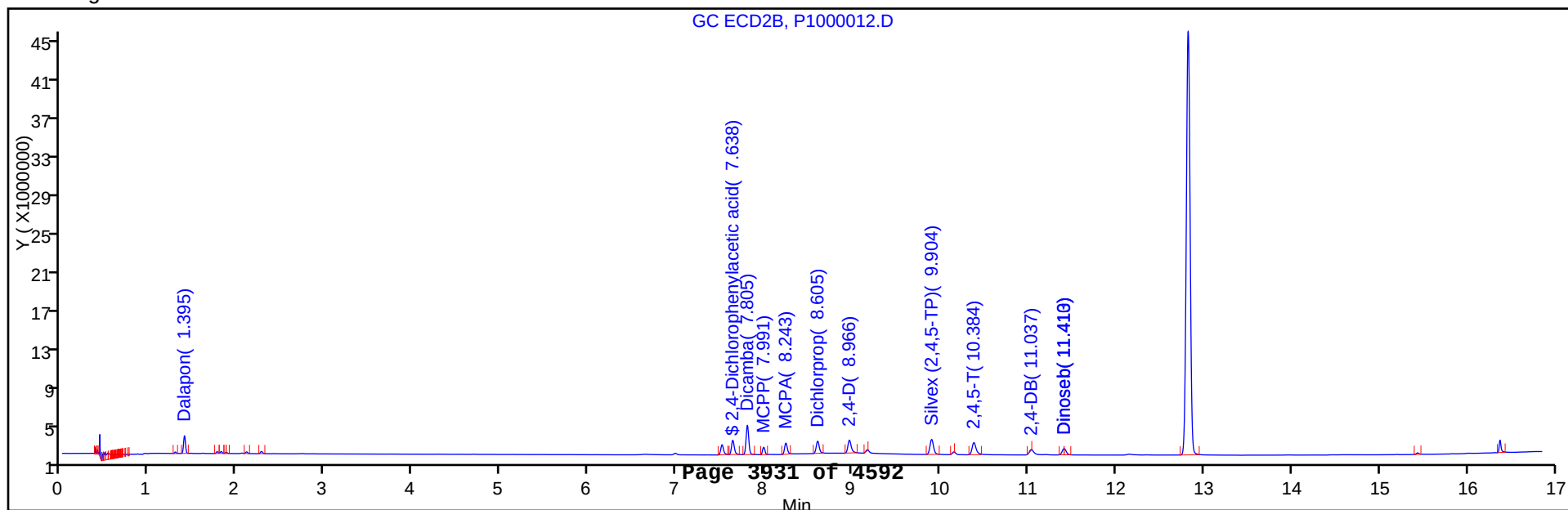
Column Type:

Column Dia:

Y Scaling:



Y Scaling:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18703-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MRL 240-68956/21
 Matrix: Water Lab File ID: P1000021.D
 Analysis Method: 8151/DOD Date Collected: _____
 Extraction Method: _____ Date Extracted: _____
 Sample wt/vol: 1(mL) Date Analyzed: 12/17/2012 17:50
 Con. Extract Vol.: _____ Dilution Factor: 1
 Injection Volume: 1(uL) GC Column: CLP-1 ID: 0.53(mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 68956 Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
94-75-7	2,4-D	0.0203		0.0040	0.00050	0.00041
75-99-0	Dalapon	0.0126		0.0020	0.00020	0.00017
94-82-6	2,4-DB	0.0198		0.0040	0.0010	0.00069
1918-00-9	Dicamba	0.0122		0.0020	0.0010	0.00052
120-36-5	Dichlorprop	0.0248		0.0040	0.0010	0.00086
88-85-7	Dinoseb	0.00370		0.00060	0.00020	0.000087
94-74-6	MCPA	1.20	^	0.40	0.40	0.39
93-65-2	MCPD	1.23	^	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)	0.00541		0.0010	0.00020	0.00020
93-76-5	2,4,5-T	0.00479		0.0010	0.00050	0.00030

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	122	Q	32-112

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP1\20121217-15910.b\P1000021.D
 Lims ID: MRL Client ID:
 Inject. Date: 17-Dec-2012 17:50:52 Dil. Factor: 1.0000
 Sample Type: MRL
 Sample ID: 240-0015910-021
 Misc. Info.:
 Operator: 001754 Instrument ID: A2HP1
 Injection Vol: 1.0 ul ALS Bottle#: 21
 Lims Batch ID: 68956 Lims Sample ID: 21
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCCChrom\ChromData\A2HP1\20121217-15910.b\8151_1.m
 Last Update: 18-Dec-2012 09:31:11 Calib Date: 03-Dec-2012 19:52:08
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D
 Limit Group: GC 8151 DOD
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK012

First Level Reviewer: roachc

Date:

18-Dec-2012 09:25:06

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

5 Dalapon

1	1.264	1.264	0.000	5751730	0.0126	
2	1.396	1.396	0.000	1837496	0.0126	
RPD = 0.58						

\$ 4 2,4-Dichlorophenylacetic acid

1	7.005	7.004	0.001	3624400	0.0243	
2	7.641	7.639	0.002	1479945	0.0238	
RPD = 1.97						

6 Dicamba

1	7.172	7.170	0.002	7541558	0.0122	
2	7.807	7.805	0.002	3046265	0.0119	
RPD = 2.43						

10 MCPP

1	7.455	7.455	0.000	1880150	1.23	
2	7.992	7.991	0.001	757981	1.40	
RPD = 13.34						

9 MCPA

1	7.619	7.617	0.002	2758785	1.20	
2	8.245	8.243	0.002	1135966	1.40	
RPD = 15.72						

7 Dichlorprop

1	7.991	7.989	0.002	3434326	0.0248	
2	8.606	8.605	0.001	1286252	0.0244	
RPD = 1.66						

2 2,4-D

1	8.238	8.231	0.007	3060314	0.0203	
2	8.969	8.964	0.005	1328272	0.0214	
RPD = 5.23						

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

11 Pentachlorophenol 1

1 8.319

2 9.257

12 Silvex (2,4,5-TP)

1 9.115 9.111 0.004 4130010 0.005410

2 9.906 9.904 0.002 1617423 0.005697

RPD = 5.17

1 2,4,5-T M

1 9.435 9.429 0.006 2941007 0.004792

2 10.386 10.382 0.004 1237680 0.005101 M

RPD = 6.27

3 2,4-DB

1 10.069 10.063 0.006 1261735 0.0198

2 11.041 11.036 0.005 581454 0.0219

RPD = 10.21

8 Dinoseb

1 11.278 11.272 0.006 1872868 0.003702

2 11.414 11.412 0.002 691919 0.003578

RPD = 3.41

QC Flag Legend

Processing Flags

1 - Missing Peaks

Review Flags

M - Manually Integrated

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP1\20121217-15910.b\P1000021.D

Injection Date: 17-Dec-2012 17:50:52

Limit Group: GC 8151 DOD

Client ID:

Instrument ID: A2HP1

Lims Batch ID: 68956

Lims Sample ID: 21

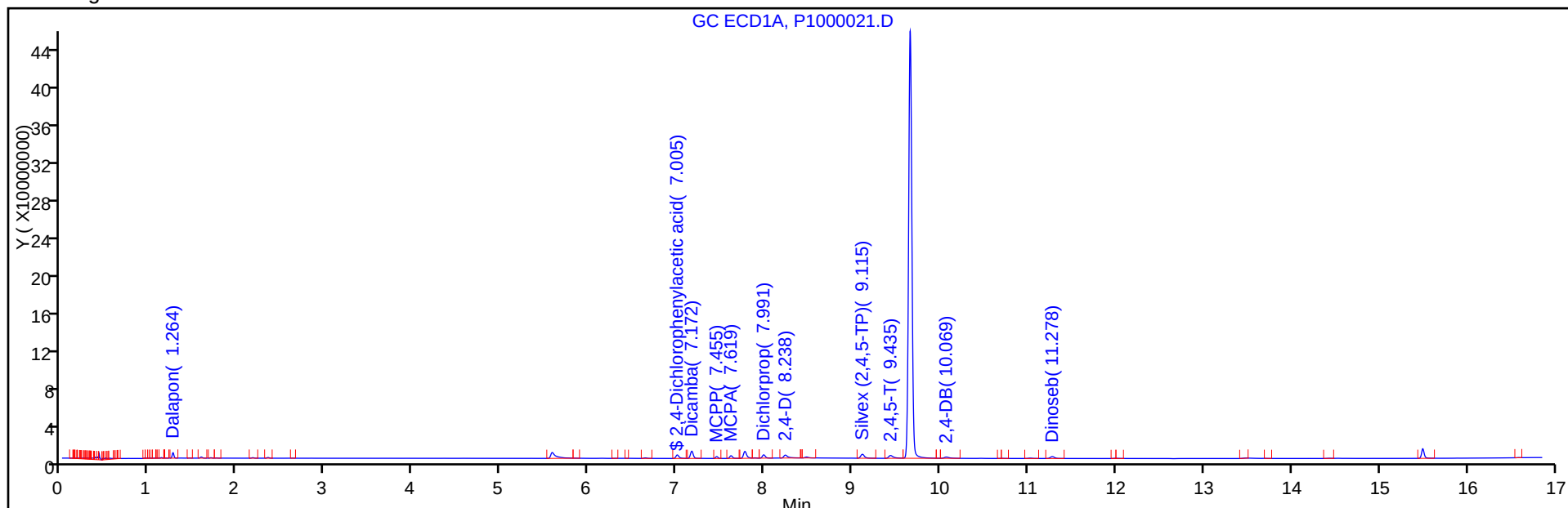
Operator ID: 001754

Injection Vol: 1.0 ul

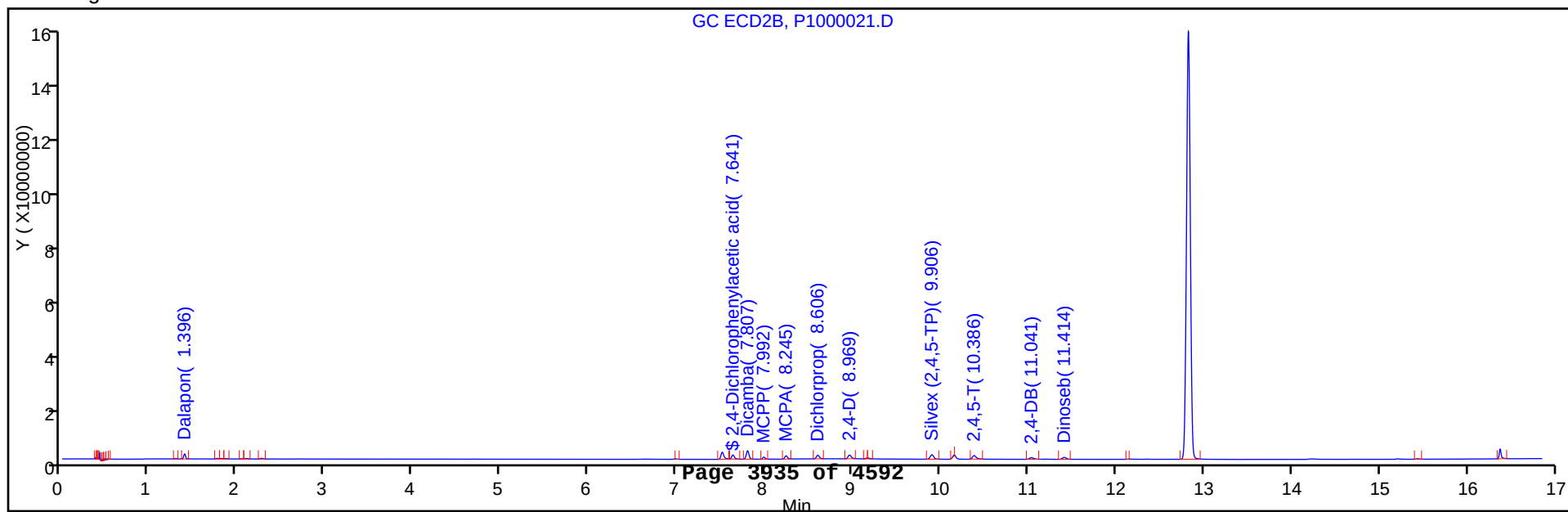
Column Type:

Column Dia:

Y Scaling:



Y Scaling:



TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP1\20121217-15910.b\P1000021.D

Injection Date: 17-Dec-2012 17:50:52

Limit Group: GC 8151 DOD

Client ID:

Instrument ID: A2HP1

Lims Batch ID: 68956

Lims Sample ID: 21

Operator ID: 001754

Injection Vol: 1.0 ul

Column Type:

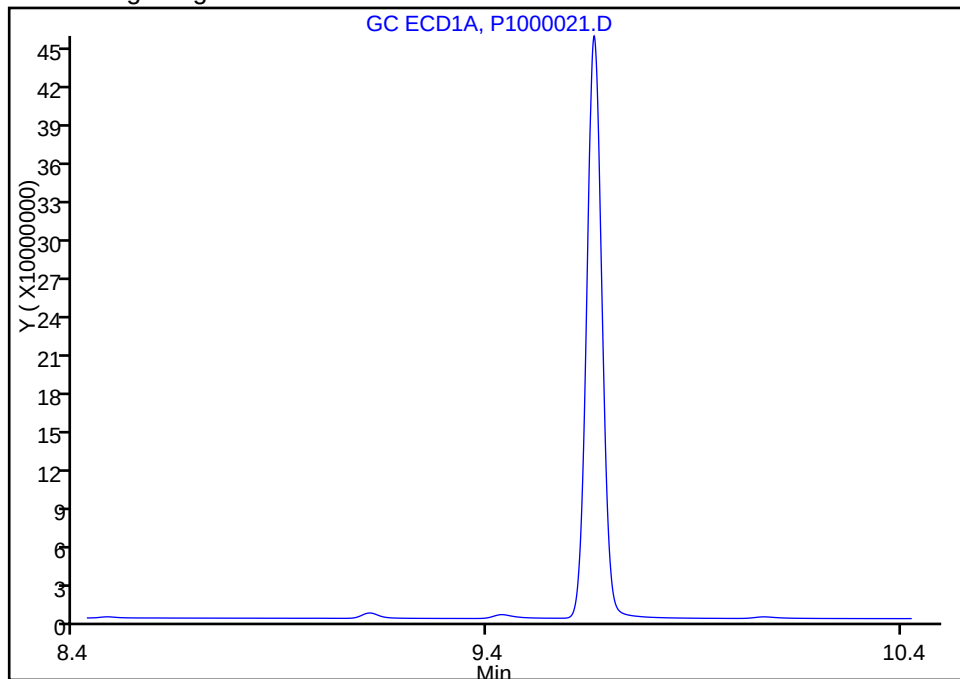
Column Dia:

1 2,4,5-T, Signal: 1, Type: quant, RT: 9.43, Det: GC ECD1A

Not Detected

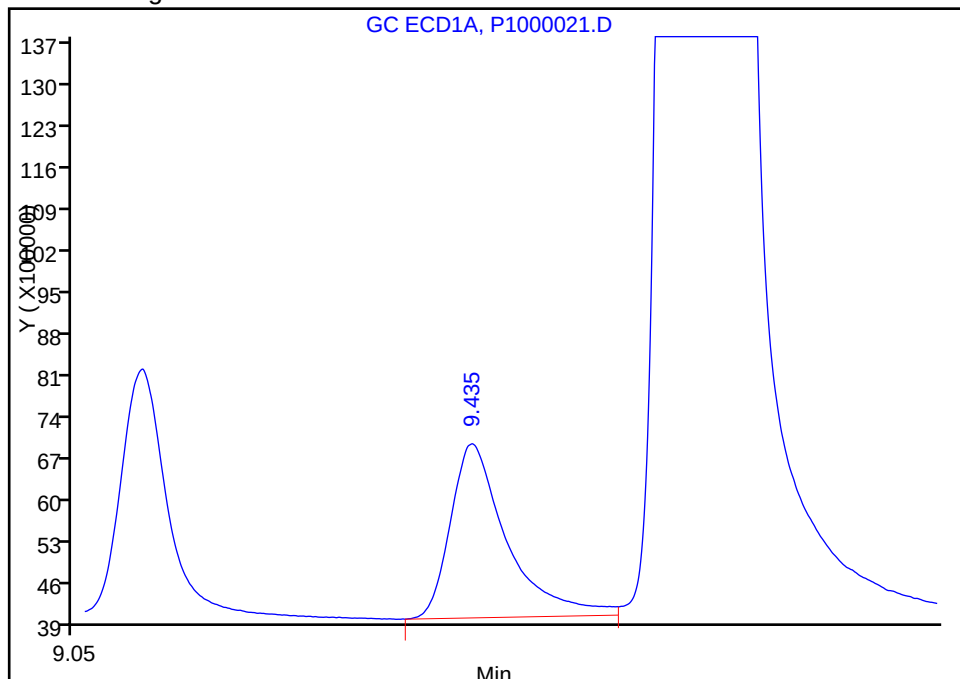
Expected RT: 9.43

Processing Integration Results



Manual Integration Results

RT: 9.44
Response: 2941007
Amount: 0.004792



Reviewer: roachc, 18-Dec-2012 09:25:06

Audit Action: Assigned Compound ID

Audit Reason: Baseline Event

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18703-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MRL 240-68956/21

Matrix: Water Lab File ID: P1000021.D

Analysis Method: 8151/DOD Date Collected: _____

Extraction Method: _____ Date Extracted: _____

Sample wt/vol: 1(mL) Date Analyzed: 12/17/2012 17:50

Con. Extract Vol.: _____ Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)

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

Analysis Batch No.: 68956 Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
94-75-7	2,4-D	0.0214		0.0040	0.00050	0.00041
75-99-0	Dalapon	0.0126		0.0020	0.00020	0.00017
94-82-6	2,4-DB	0.0219		0.0040	0.0010	0.00069
1918-00-9	Dicamba	0.0119		0.0020	0.0010	0.00052
120-36-5	Dichlorprop	0.0244		0.0040	0.0010	0.00086
88-85-7	Dinoseb	0.00358		0.00060	0.00020	0.000087
94-74-6	MCPA	1.40		0.40	0.40	0.39
93-65-2	MCPP	1.40		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)	0.00570		0.0010	0.00020	0.00020
93-76-5	2,4,5-T	0.00510	M	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: \\NCCChrom\ChromData\A2HP1\20121217-15910.b\P1000021.D
 Lims ID: MRL Client ID:
 Inject. Date: 17-Dec-2012 17:50:52 Dil. Factor: 1.0000
 Sample Type: MRL
 Sample ID: 240-0015910-021
 Misc. Info.:
 Operator: 001754 Instrument ID: A2HP1
 Injection Vol: 1.0 ul ALS Bottle#: 21
 Lims Batch ID: 68956 Lims Sample ID: 21
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCCChrom\ChromData\A2HP1\20121217-15910.b\8151_1.m
 Last Update: 18-Dec-2012 09:31:11 Calib Date: 03-Dec-2012 19:52:08
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D
 Limit Group: GC 8151 DOD
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK012

First Level Reviewer: roachc

Date:

18-Dec-2012 09:25:06

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

5 Dalapon

1	1.264	1.264	0.000	5751730	0.0126	
2	1.396	1.396	0.000	1837496	0.0126	
RPD = 0.58						

\$ 4 2,4-Dichlorophenylacetic acid

1	7.005	7.004	0.001	3624400	0.0243	
2	7.641	7.639	0.002	1479945	0.0238	
RPD = 1.97						

6 Dicamba

1	7.172	7.170	0.002	7541558	0.0122	
2	7.807	7.805	0.002	3046265	0.0119	
RPD = 2.43						

10 MCPP

1	7.455	7.455	0.000	1880150	1.23	
2	7.992	7.991	0.001	757981	1.40	
RPD = 13.34						

9 MCPA

1	7.619	7.617	0.002	2758785	1.20	
2	8.245	8.243	0.002	1135966	1.40	
RPD = 15.72						

7 Dichlorprop

1	7.991	7.989	0.002	3434326	0.0248	
2	8.606	8.605	0.001	1286252	0.0244	
RPD = 1.66						

2 2,4-D

1	8.238	8.231	0.007	3060314	0.0203	
2	8.969	8.964	0.005	1328272	0.0214	
RPD = 5.23						

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

11 Pentachlorophenol 1

1 8.319

2 9.257

12 Silvex (2,4,5-TP)

1 9.115 9.111 0.004 4130010 0.005410

2 9.906 9.904 0.002 1617423 0.005697

RPD = 5.17

1 2,4,5-T M

1 9.435 9.429 0.006 2941007 0.004792

2 10.386 10.382 0.004 1237680 0.005101 M

RPD = 6.27

3 2,4-DB

1 10.069 10.063 0.006 1261735 0.0198

2 11.041 11.036 0.005 581454 0.0219

RPD = 10.21

8 Dinoseb

1 11.278 11.272 0.006 1872868 0.003702

2 11.414 11.412 0.002 691919 0.003578

RPD = 3.41

QC Flag Legend

Processing Flags

1 - Missing Peaks

Review Flags

M - Manually Integrated

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP1\20121217-15910.b\P1000021.D

Injection Date: 17-Dec-2012 17:50:52

Limit Group: GC 8151 DOD

Client ID:

Instrument ID: A2HP1

Lims Batch ID: 68956

Lims Sample ID: 21

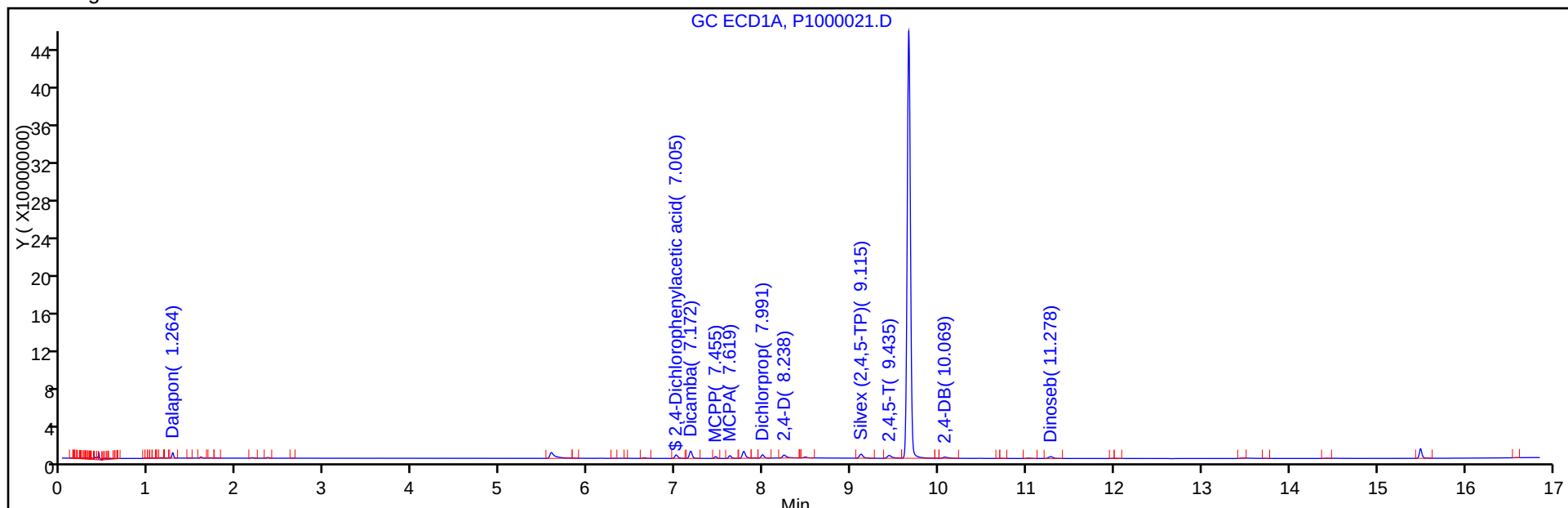
Operator ID: 001754

Injection Vol: 1.0 ul

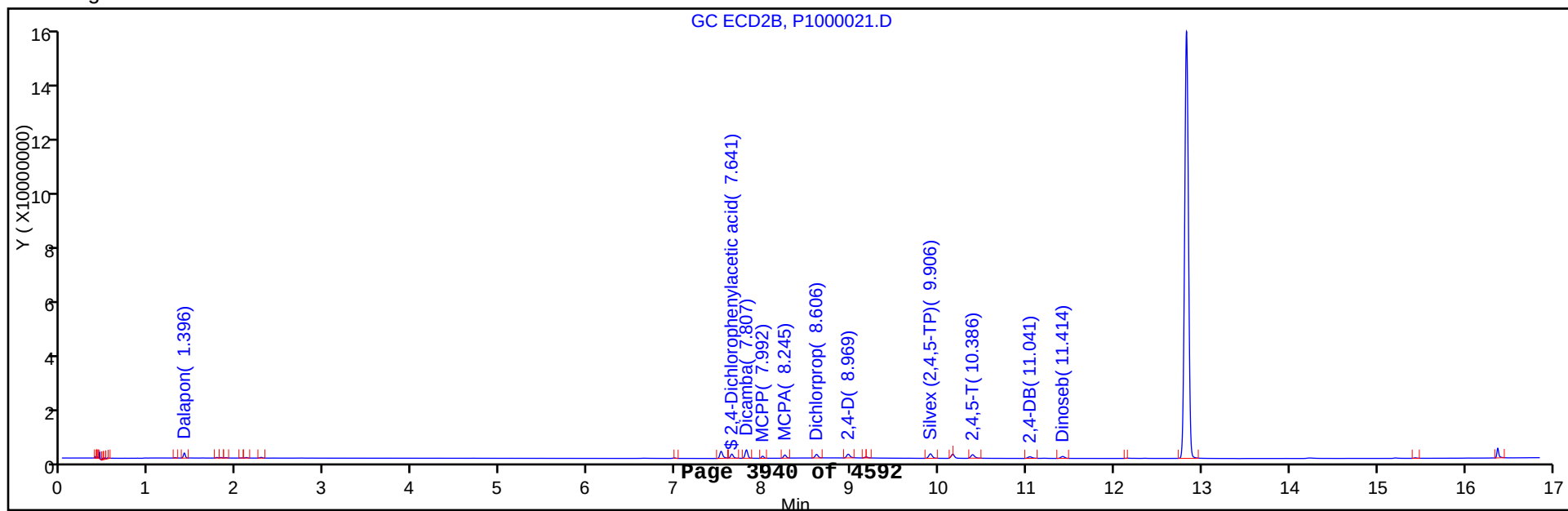
Column Type:

Column Dia:

Y Scaling:



Y Scaling:



TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP1\20121217-15910.b\P1000021.D

Injection Date: 17-Dec-2012 17:50:52

Limit Group: GC 8151 DOD

Client ID:

Instrument ID: A2HP1

Lims Batch ID: 68956

Lims Sample ID: 21

Operator ID: 001754

Injection Vol: 1.0 ul

Column Type:

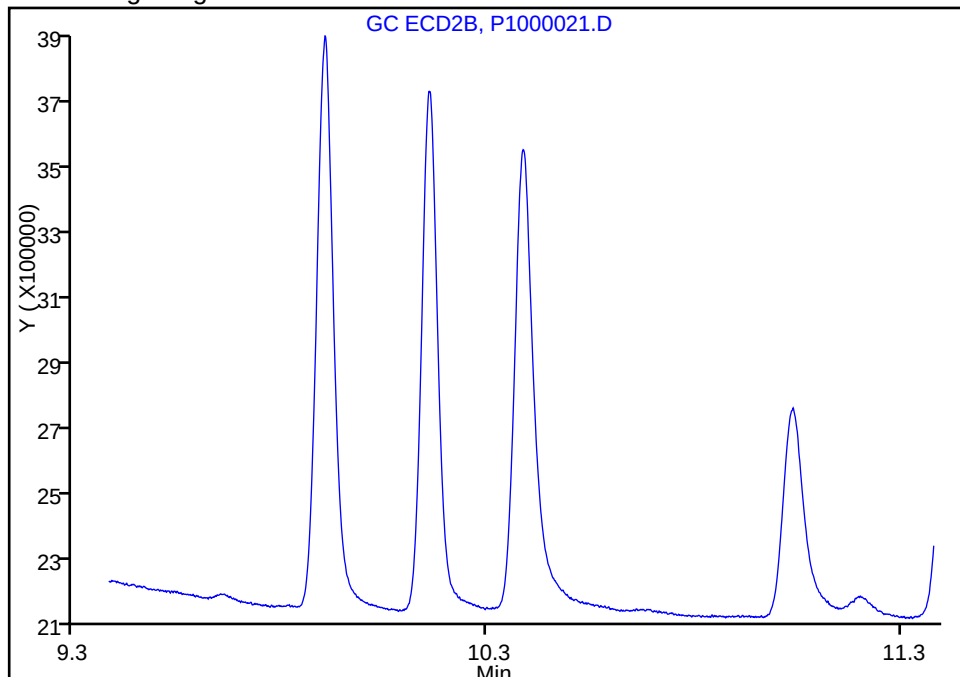
Column Dia:

1 2,4,5-T, Signal: 2, Type: quant, RT: 10.38, Det: GC ecd2b

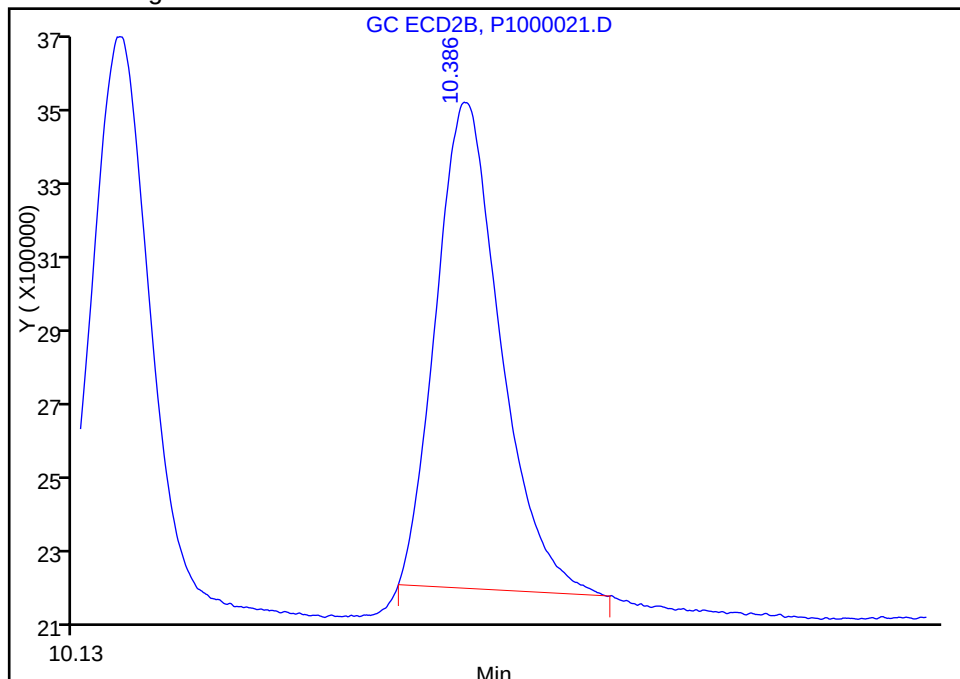
Not Detected

Expected RT: 10.38

Processing Integration Results



Manual Integration Results



RT: 10.39

Response: 1237680

Amount: 0.005101

Reviewer: roachc, 18-Dec-2012 09:25:06

Audit Action: Manually Integrated

Audit Reason: Baseline Event

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18703-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MRL 240-69890/17
 Matrix: Solid Lab File ID: P1000017.D
 Analysis Method: 8151/DOD Date Collected: _____
 Extraction Method: _____ Date Extracted: _____
 Sample wt/vol: 1(mL) Date Analyzed: 12/22/2012 17:21
 Con. Extract Vol.: _____ Dilution Factor: 1
 Injection Volume: 1(uL) GC Column: CLP-1 ID: 0.53(mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 69890 Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
94-75-7	2,4-D	0.0217		0.0040	0.00050	0.00041
75-99-0	Dalapon	0.0123		0.0020	0.00020	0.00017
94-82-6	2,4-DB	0.0202		0.0040	0.0010	0.00069
1918-00-9	Dicamba	0.0122		0.0020	0.0010	0.00052
120-36-5	Dichlorprop	0.0248		0.0040	0.0010	0.00086
88-85-7	Dinoseb	0.00326		0.00060	0.00020	0.000087
94-74-6	MCPA	1.06	^	0.40	0.40	0.39
93-65-2	MCPP	1.09	^	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)	0.00542		0.0010	0.00020	0.00020
93-76-5	2,4,5-T	0.00482		0.0010	0.00050	0.00030

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	124	Q	19-122

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP1\20121222-16119.b\P1000017.D
 Lims ID: MRL Client ID:
 Inject. Date: 22-Dec-2012 17:21:13 Dil. Factor: 1.0000
 Sample Type: MRL
 Sample ID: 240-0016119-017
 Misc. Info.:
 Operator: 001754 Instrument ID: A2HP1
 Injection Vol: 1.0 ul ALS Bottle#: 17
 Lims Batch ID: 69890 Lims Sample ID: 17
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCCChrom\ChromData\A2HP1\20121222-16119.b\8151_1.m
 Last Update: 26-Dec-2012 15:31:16 Calib Date: 03-Dec-2012 19:52:08
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D
 Limit Group: GC 8151 DOD
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK028

First Level Reviewer: bolgrind

Date:

26-Dec-2012 15:16:48

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

5 Dalapon

1	1.234	1.233	0.001	5621648	0.0123
2	1.378	1.378	0.000	1735434	0.0119

RPD = 2.85

\$ 4 2,4-Dichlorophenylacetic acid

1	6.961	6.958	0.003	3705802	0.0249
2	7.620	7.617	0.003	1523664	0.0245

RPD = 1.28

6 Dicamba

1	7.126	7.125	0.001	7532451	0.0122
2	7.785	7.784	0.001	2937408	0.0115

RPD = 5.95

10 MCPP

1	7.411	7.410	0.001	1808292	1.09
2	7.972	7.968	0.004	709329	1.19

RPD = 8.29

9 MCPA

1	7.573	7.572	0.001	2673007	1.06
2	8.222	8.221	0.001	1061651	1.11

RPD = 4.69

7 Dichlorprop

1	7.945	7.943	0.002	3436085	0.0248
2	8.582	8.580	0.002	1275047	0.0242

RPD = 2.59

2 2,4-D

1	8.186	8.182	0.004	3259900	0.0217
2	8.943	8.937	0.006	1369913	0.0221

RPD = 2.00

Data File: \\NCCchrom\ChromData\A2HP1\20121222-16119.b\1000017.D

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

11 Pentachlorophenol 1

1 8.269

2 9.231

12 Silvex (2,4,5-TP)

1 9.057 9.054 0.003 4138099 0.005420

2 9.877 9.873 0.004 1526439 0.005377

RPD = 0.81

1 2,4,5-T M

1 9.373 9.369 0.004 2957170 0.004818

2 10.355 10.352 0.003 1257430 0.005183 M

RPD = 7.30

3 2,4-DB

1 10.001 9.998 0.003 1290695 0.0202

2 11.007 11.002 0.005 561122 0.0211

RPD = 4.39

8 Dinoseb

1 11.205 11.202 0.003 1650255 0.003262

2 11.382 11.378 0.004 599301 0.003099

RPD = 5.13

QC Flag Legend

Processing Flags

1 - Missing Peaks

Review Flags

M - Manually Integrated

Report Date: 26-Dec-2012 15:31:17

Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP1\20121222-16119.b\P1000017.D

Injection Date: 22-Dec-2012 17:21:13

Limit Group: GC 8151 DOD

Client ID:

Instrument ID: A2HP1

Lims Batch ID: 69890

Lims Sample ID: 17

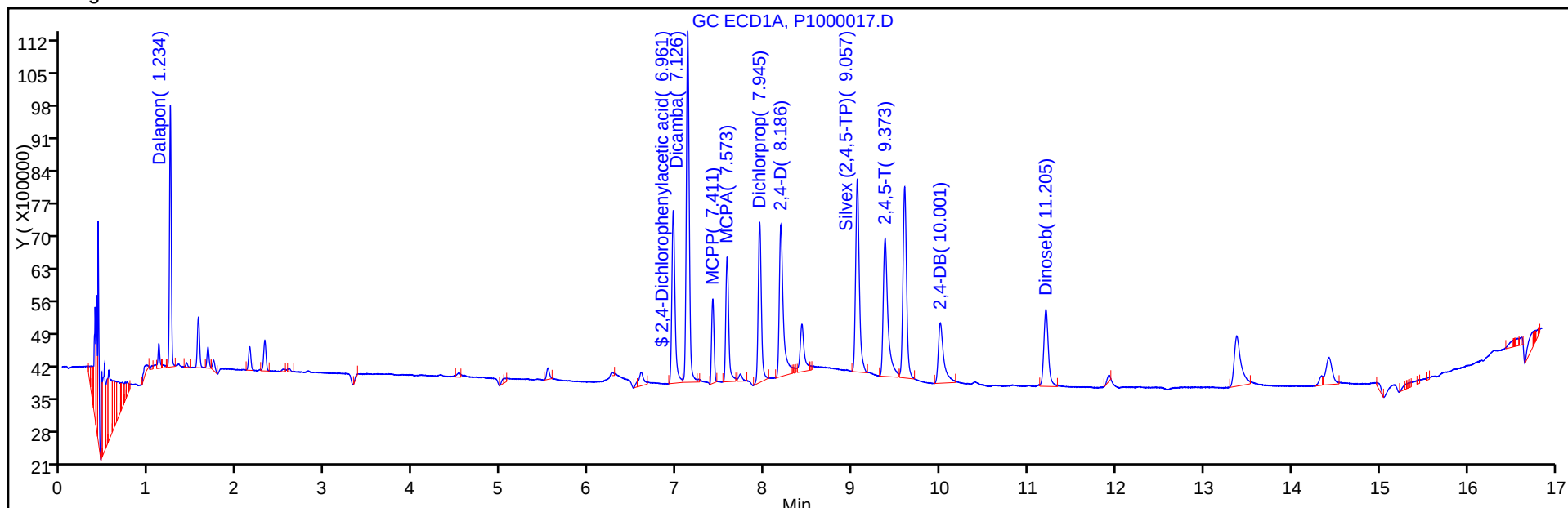
Operator ID: 001754

Injection Vol: 1.0 ul

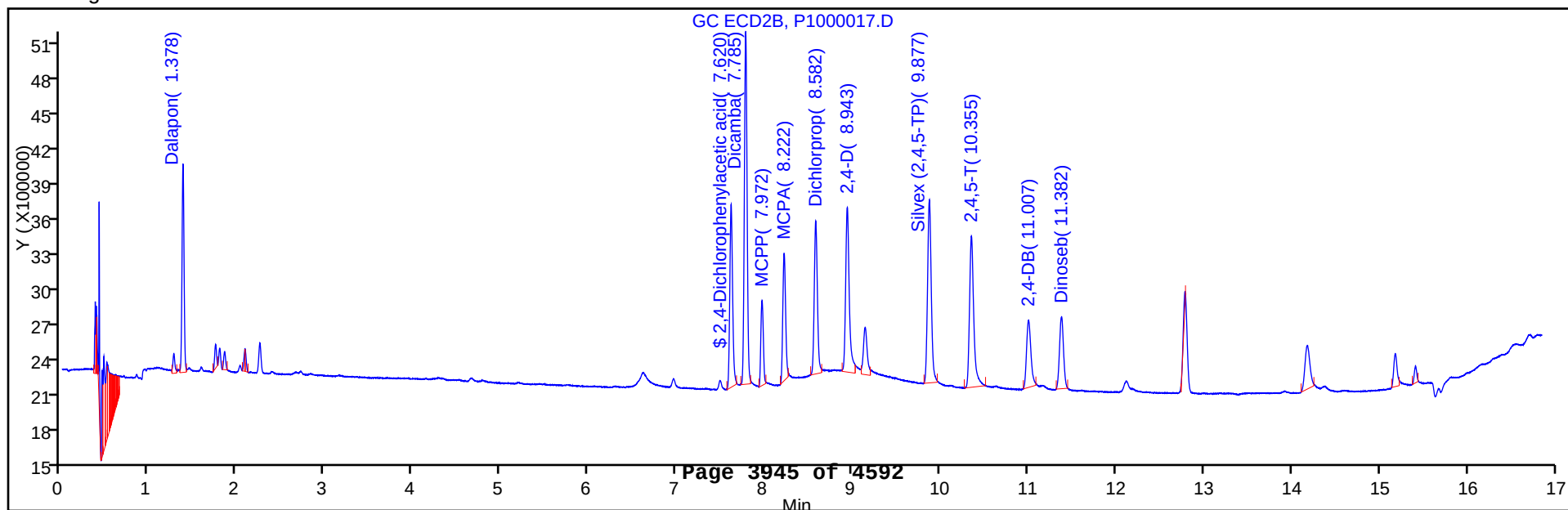
Column Type:

Column Dia:

Y Scaling:



Y Scaling:



TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP1\20121222-16119.b\P1000017.D

Injection Date: 22-Dec-2012 17:21:13

Limit Group: GC 8151 DOD

Client ID:

Instrument ID: A2HP1

Lims Batch ID: 69890

Lims Sample ID: 17

Operator ID: 001754

Injection Vol: 1.0 ul

Column Type:

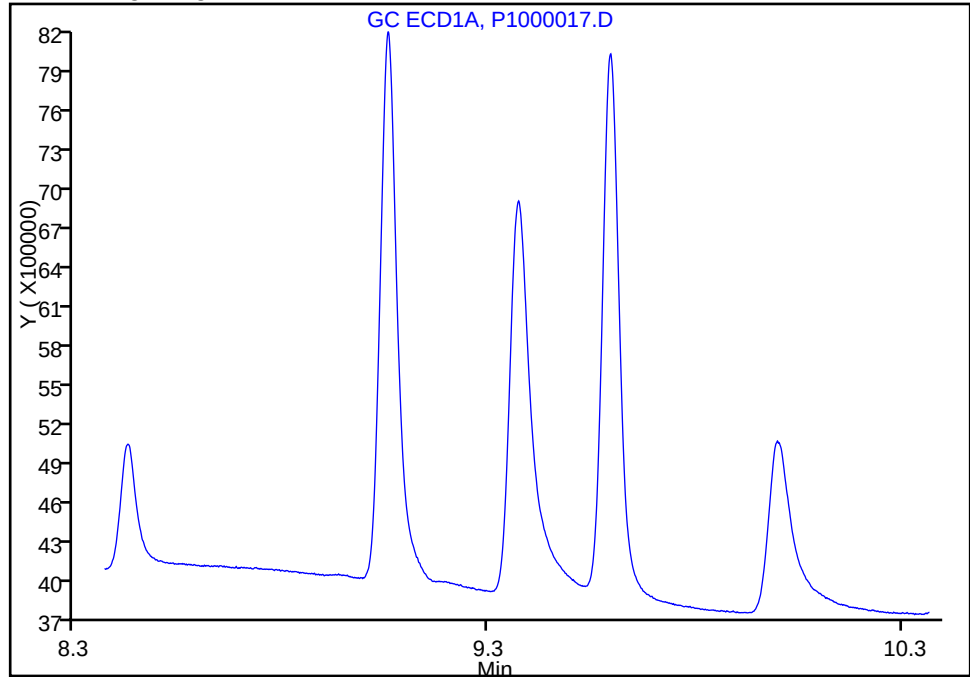
Column Dia:

1 2,4,5-T, Signal: 1, Type: quant, RT: 9.37, Det: GC ECD1A

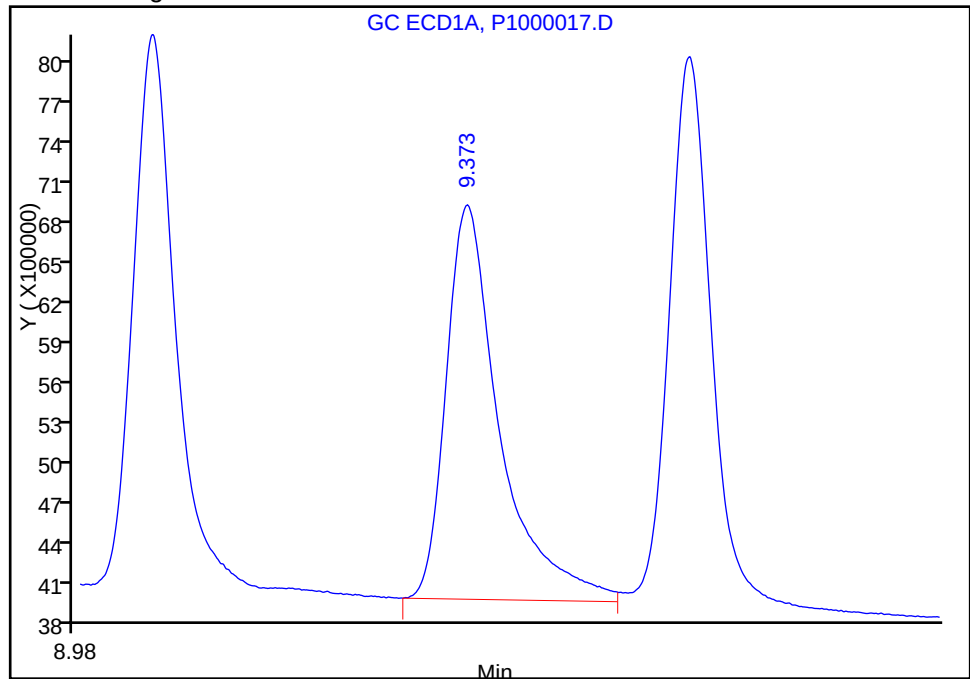
Not Detected

Expected RT: 9.37

Processing Integration Results



Manual Integration Results

RT: 9.37
Response: 2957170
Amount: 0.004818

Reviewer: bolgrind, 26-Dec-2012 15:16:48

Audit Action: Assigned Compound ID

Audit Reason: Baseline Event

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18703-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MRL 240-69890/17
 Matrix: Solid Lab File ID: P1000017.D
 Analysis Method: 8151/DOD Date Collected: _____
 Extraction Method: _____ Date Extracted: _____
 Sample wt/vol: 1(mL) Date Analyzed: 12/22/2012 17:21
 Con. Extract Vol.: _____ Dilution Factor: 1
 Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 69890 Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
94-75-7	2,4-D	0.0221		0.0040	0.00050	0.00041
75-99-0	Dalapon	0.0119		0.0020	0.00020	0.00017
94-82-6	2,4-DB	0.0211		0.0040	0.0010	0.00069
1918-00-9	Dicamba	0.0115		0.0020	0.0010	0.00052
120-36-5	Dichlorprop	0.0242		0.0040	0.0010	0.00086
88-85-7	Dinoseb	0.00310		0.00060	0.00020	0.000087
94-74-6	MCPA	1.11	^	0.40	0.40	0.39
93-65-2	MCPD	1.19	^	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)	0.00538		0.0010	0.00020	0.00020
93-76-5	2,4,5-T	0.00518	M	0.0010	0.00050	0.00030

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	123	Q	19-122

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP1\20121222-16119.b\P1000017.D
 Lims ID: MRL Client ID:
 Inject. Date: 22-Dec-2012 17:21:13 Dil. Factor: 1.0000
 Sample Type: MRL
 Sample ID: 240-0016119-017
 Misc. Info.:
 Operator: 001754 Instrument ID: A2HP1
 Injection Vol: 1.0 ul ALS Bottle#: 17
 Lims Batch ID: 69890 Lims Sample ID: 17
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCCChrom\ChromData\A2HP1\20121222-16119.b\8151_1.m
 Last Update: 26-Dec-2012 15:31:16 Calib Date: 03-Dec-2012 19:52:08
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D
 Limit Group: GC 8151 DOD
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK028

First Level Reviewer: bolgrind

Date:

26-Dec-2012 15:16:48

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

5 Dalapon

1	1.234	1.233	0.001	5621648	0.0123
2	1.378	1.378	0.000	1735434	0.0119

RPD = 2.85

\$ 4 2,4-Dichlorophenylacetic acid

1	6.961	6.958	0.003	3705802	0.0249
2	7.620	7.617	0.003	1523664	0.0245

RPD = 1.28

6 Dicamba

1	7.126	7.125	0.001	7532451	0.0122
2	7.785	7.784	0.001	2937408	0.0115

RPD = 5.95

10 MCPP

1	7.411	7.410	0.001	1808292	1.09
2	7.972	7.968	0.004	709329	1.19

RPD = 8.29

9 MCPA

1	7.573	7.572	0.001	2673007	1.06
2	8.222	8.221	0.001	1061651	1.11

RPD = 4.69

7 Dichlorprop

1	7.945	7.943	0.002	3436085	0.0248
2	8.582	8.580	0.002	1275047	0.0242

RPD = 2.59

2 2,4-D

1	8.186	8.182	0.004	3259900	0.0217
2	8.943	8.937	0.006	1369913	0.0221

RPD = 2.00

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

11 Pentachlorophenol 1

1 8.269

2 9.231

12 Silvex (2,4,5-TP)

1 9.057 9.054 0.003 4138099 0.005420

2 9.877 9.873 0.004 1526439 0.005377

RPD = 0.81

1 2,4,5-T M

1 9.373 9.369 0.004 2957170 0.004818

2 10.355 10.352 0.003 1257430 0.005183 M

RPD = 7.30

3 2,4-DB

1 10.001 9.998 0.003 1290695 0.0202

2 11.007 11.002 0.005 561122 0.0211

RPD = 4.39

8 Dinoseb

1 11.205 11.202 0.003 1650255 0.003262

2 11.382 11.378 0.004 599301 0.003099

RPD = 5.13

QC Flag Legend

Processing Flags

1 - Missing Peaks

Review Flags

M - Manually Integrated

Report Date: 26-Dec-2012 15:31:18

Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCCrom\ChromData\A2HP1\20121222-16119.b\P1000017.D

Injection Date: 22-Dec-2012 17:21:13

Limit Group: GC 8151 DOD

Client ID:

Instrument ID: A2HP1

Lims Batch ID: 69890

Lims Sample ID: 17

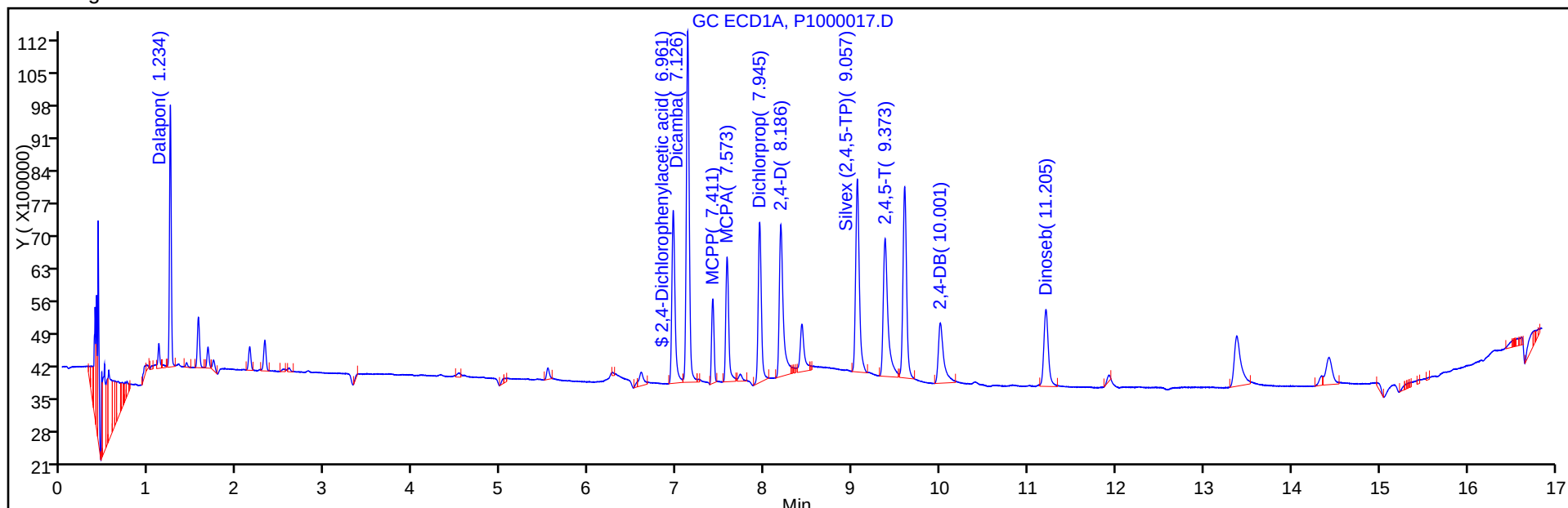
Operator ID: 001754

Injection Vol: 1.0 ul

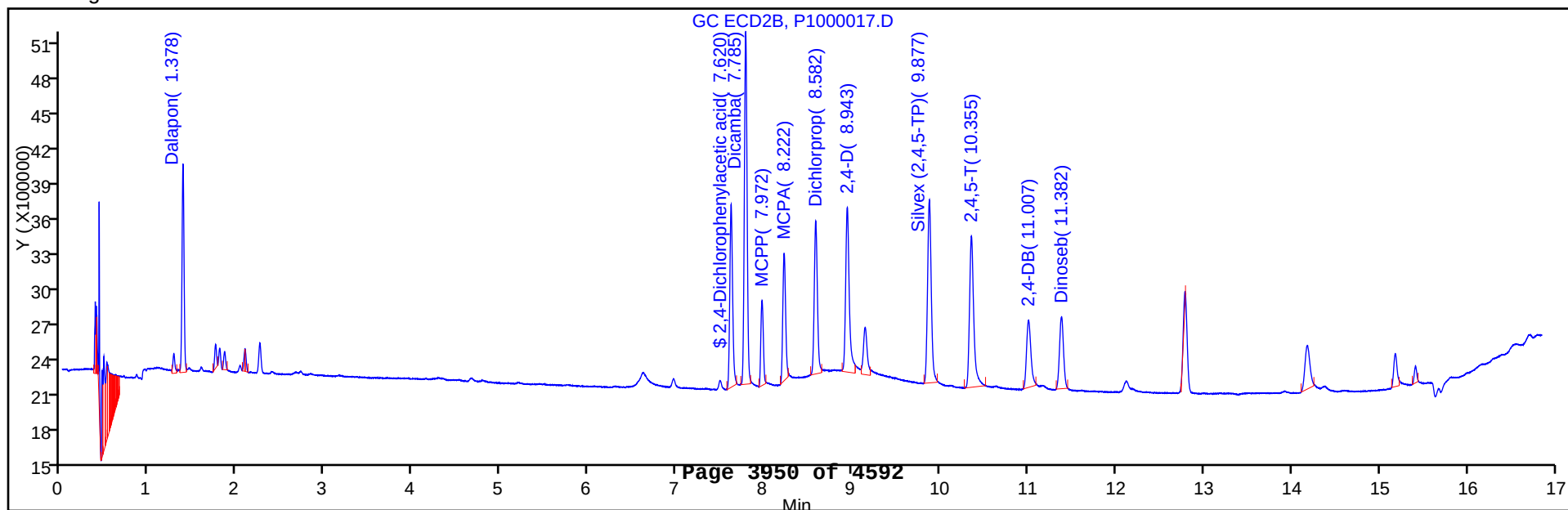
Column Type:

Column Dia:

Y Scaling:



Y Scaling:



TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP1\20121222-16119.b\P1000017.D

Injection Date: 22-Dec-2012 17:21:13

Limit Group: GC 8151 DOD

Client ID:

Instrument ID: A2HP1

Lims Batch ID: 69890

Lims Sample ID: 17

Operator ID: 001754

Injection Vol: 1.0 ul

Column Type:

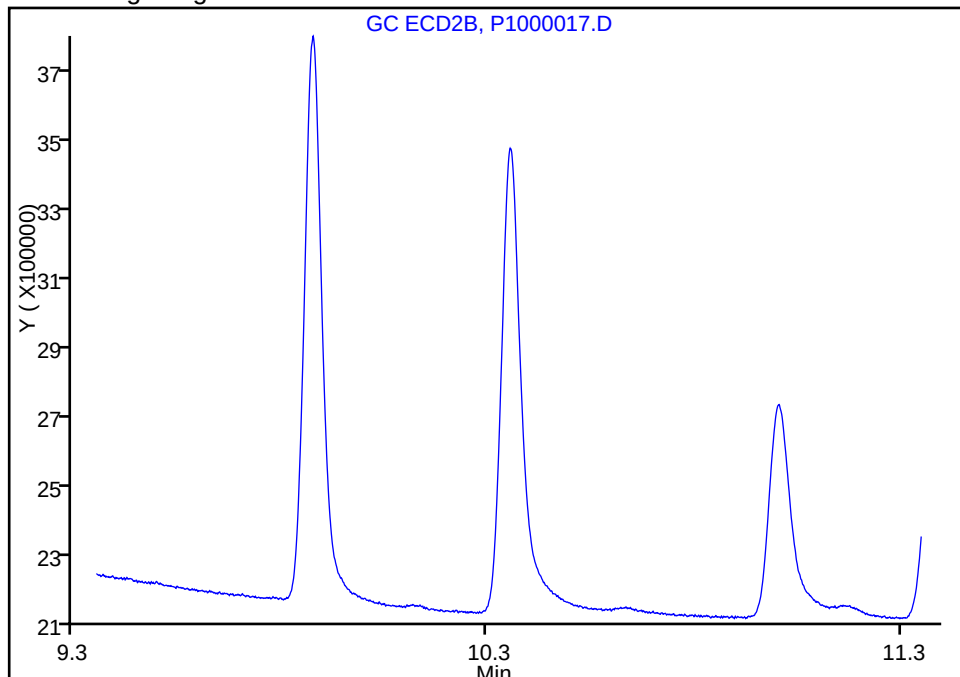
Column Dia:

1 2,4,5-T, Signal: 2, Type: quant, RT: 10.35, Det: GC ecd2b

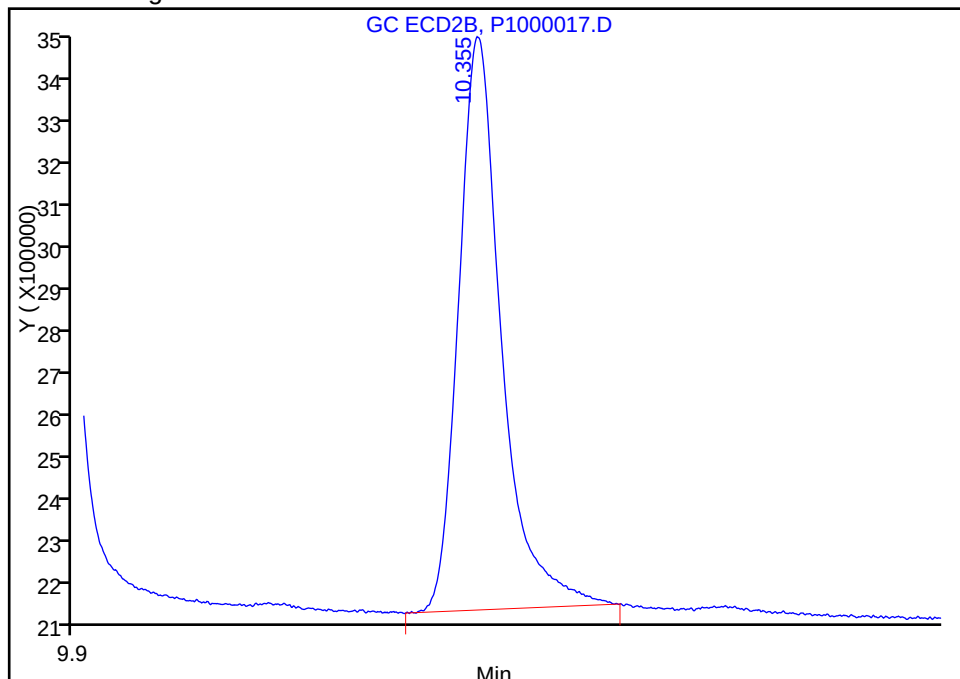
Not Detected

Expected RT: 10.35

Processing Integration Results



Manual Integration Results



RT: 10.35

Response: 1257430

Amount: 0.005183

Reviewer: bolgrind, 26-Dec-2012 15:16:48

Audit Action: Manually Integrated

Audit Reason: Baseline Event

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18703-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MRL 240-69890/46
 Matrix: Solid Lab File ID: P1000046.D
 Analysis Method: 8151/DOD Date Collected: _____
 Extraction Method: _____ Date Extracted: _____
 Sample wt/vol: 1(mL) Date Analyzed: 12/23/2012 04:43
 Con. Extract Vol.: _____ Dilution Factor: 1
 Injection Volume: 1(uL) GC Column: CLP-1 ID: 0.53(mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 69890 Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
94-75-7	2,4-D	0.0243		0.0040	0.00050	0.00041
75-99-0	Dalapon	0.0119		0.0020	0.00020	0.00017
94-82-6	2,4-DB	0.0230		0.0040	0.0010	0.00069
1918-00-9	Dicamba	0.0130		0.0020	0.0010	0.00052
120-36-5	Dichlorprop	0.0275	^	0.0040	0.0010	0.00086
88-85-7	Dinoseb	0.00384		0.00060	0.00020	0.000087
94-74-6	MCPA	1.46		0.40	0.40	0.39
93-65-2	MCPP	1.47		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)	0.00583		0.0010	0.00020	0.00020
93-76-5	2,4,5-T	0.00551		0.0010	0.00050	0.00030

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	136	Q	19-122

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP1\20121222-16119.b\P1000046.D
 Lims ID: MRL Client ID:
 Inject. Date: 23-Dec-2012 04:43:38 Dil. Factor: 1.0000
 Sample Type: MRL
 Sample ID: 240-0016119-046
 Misc. Info.:
 Operator: 001754 Instrument ID: A2HP1
 Injection Vol: 1.0 ul ALS Bottle#: 46
 Lims Batch ID: 69890 Lims Sample ID: 46
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCCChrom\ChromData\A2HP1\20121222-16119.b\8151_1.m
 Last Update: 26-Dec-2012 15:31:41 Calib Date: 03-Dec-2012 19:52:08
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D
 Limit Group: GC 8151 DOD
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK028

First Level Reviewer: bolgrind

Date:

24-Dec-2012 15:40:20

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

5 Dalapon

1	1.237	1.236	0.001	5446755	0.0119
2	1.370	1.371	-0.001	1846099	0.0127

RPD = 6.49

\$ 4 2,4-Dichlorophenylacetic acid

1	6.965	6.963	0.002	4051189	0.0272
2	7.608	7.606	0.002	1651406	0.0266

RPD = 2.14

6 Dicamba

1	7.131	7.129	0.002	8054403	0.0130
2	7.774	7.773	0.001	3198782	0.0125

RPD = 4.12

10 MCPP

1	7.416	7.413	0.003	2007568	1.47
2	7.961	7.960	0.001	785492	1.52

RPD = 3.81

9 MCPA

1	7.578	7.576	0.002	2929990	1.46
2	8.210	8.210	0.000	1177186	1.56

RPD = 6.46

7 Dichlorprop

1	7.949	7.946	0.003	3809521	0.0275
2	8.569	8.569	0.000	1464058	0.0278

RPD = 0.92

2 2,4-D

1	8.191	8.184	0.007	3655181	0.0243
2	8.927	8.924	0.003	1515527	0.0244

RPD = 0.66

Data File: \\NCCchrom\ChromData\A2HP1\20121222-16119.b\1000046.D

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

11 Pentachlorophenol 1

1 8.273

2 9.217

12 Silvex (2,4,5-TP)

1 9.062 9.058 0.004 4453611 0.005834

2 9.860 9.859 0.001 1695990 0.005974

RPD = 2.38

1 2,4,5-T

1 9.379 9.373 0.006 3380189 0.005507

2 10.339 10.336 0.003 1439676 0.005934

RPD = 7.46

3 2,4-DB

1 10.008 10.001 0.007 1471178 0.0230

2 10.989 10.987 0.002 641355 0.0241

RPD = 4.67

8 Dinoseb

1 11.212 11.207 0.005 1941800 0.003839

2 11.363 11.361 0.002 717821 0.003712

RPD = 3.35

QC Flag Legend

Processing Flags

1 - Missing Peaks

Report Date: 26-Dec-2012 15:31:48

Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP1\20121222-16119.b\P1000046.D

Injection Date: 23-Dec-2012 04:43:38

Limit Group: GC 8151 DOD

Client ID:

Instrument ID: A2HP1

Lims Batch ID: 69890

Lims Sample ID: 46

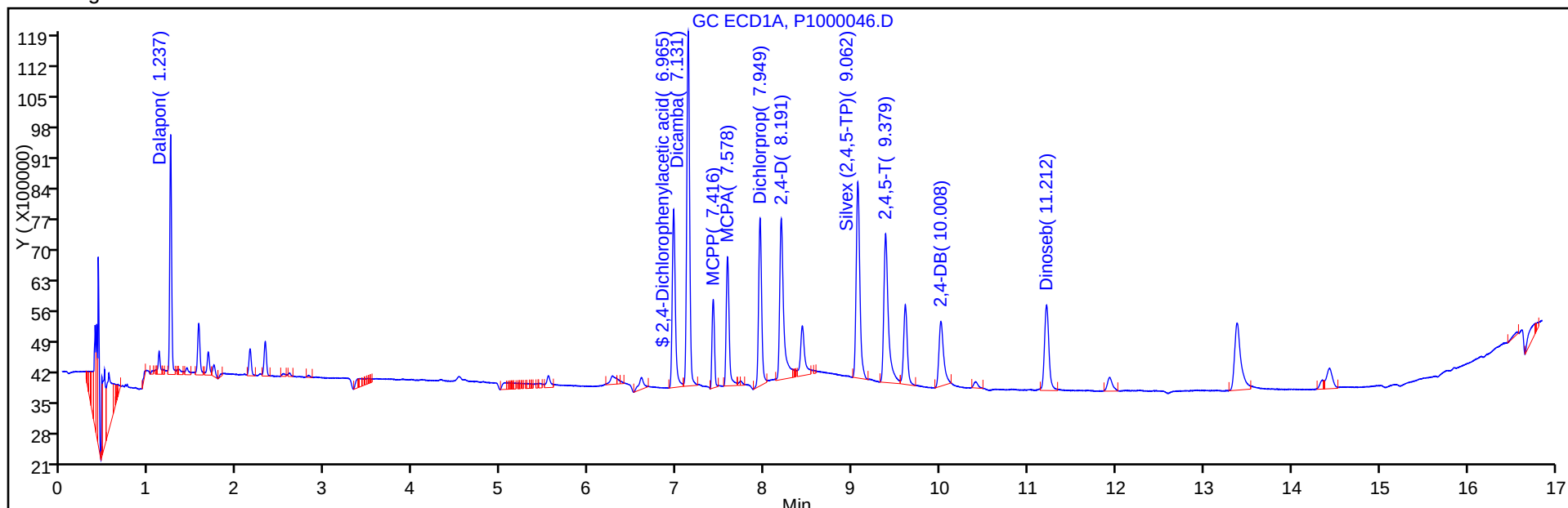
Operator ID: 001754

Injection Vol: 1.0 ul

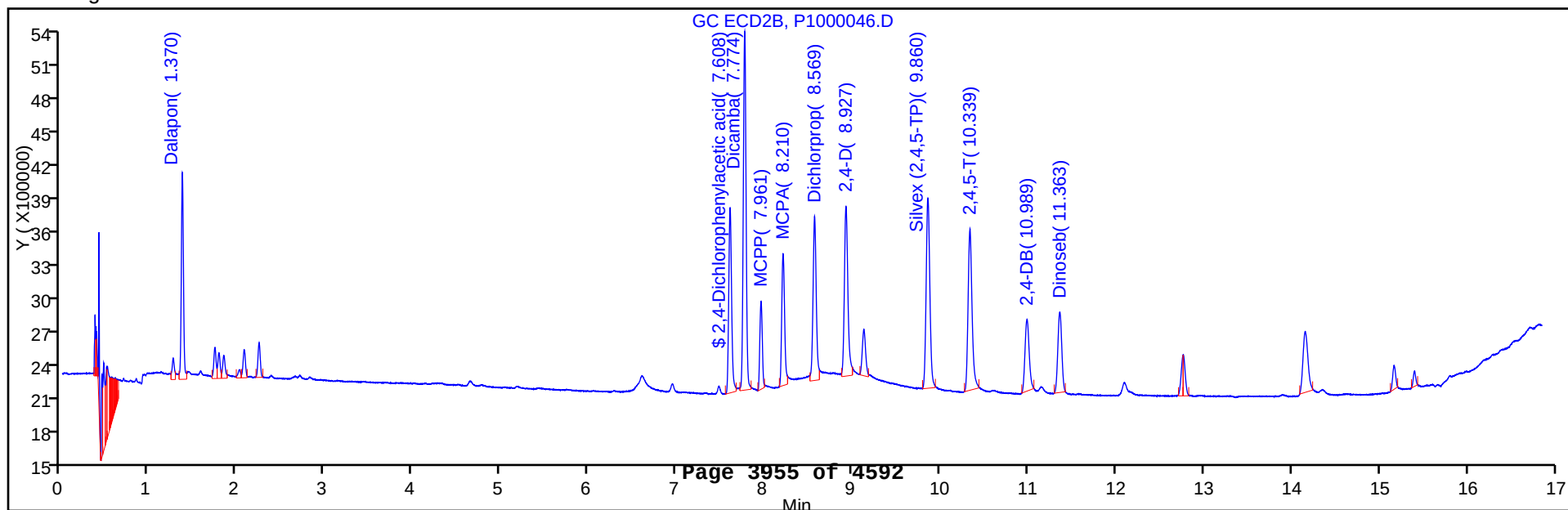
Column Type:

Column Dia:

Y Scaling:



Y Scaling:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18703-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MRL 240-69890/46
 Matrix: Solid Lab File ID: P1000046.D
 Analysis Method: 8151/DOD Date Collected: _____
 Extraction Method: _____ Date Extracted: _____
 Sample wt/vol: 1(mL) Date Analyzed: 12/23/2012 04:43
 Con. Extract Vol.: _____ Dilution Factor: 1
 Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 69890 Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
94-75-7	2,4-D	0.0244		0.0040	0.00050	0.00041
75-99-0	Dalapon	0.0127		0.0020	0.00020	0.00017
94-82-6	2,4-DB	0.0241		0.0040	0.0010	0.00069
1918-00-9	Dicamba	0.0125		0.0020	0.0010	0.00052
120-36-5	Dichlorprop	0.0278	^	0.0040	0.0010	0.00086
88-85-7	Dinoseb	0.00371		0.00060	0.00020	0.000087
94-74-6	MCPA	1.56		0.40	0.40	0.39
93-65-2	MCPD	1.52		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)	0.00597		0.0010	0.00020	0.00020
93-76-5	2,4,5-T	0.00593		0.0010	0.00050	0.00030

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	133	Q	19-122

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP1\20121222-16119.b\P1000046.D
 Lims ID: MRL Client ID:
 Inject. Date: 23-Dec-2012 04:43:38 Dil. Factor: 1.0000
 Sample Type: MRL
 Sample ID: 240-0016119-046
 Misc. Info.:
 Operator: 001754 Instrument ID: A2HP1
 Injection Vol: 1.0 ul ALS Bottle#: 46
 Lims Batch ID: 69890 Lims Sample ID: 46
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCCChrom\ChromData\A2HP1\20121222-16119.b\8151_1.m
 Last Update: 26-Dec-2012 15:31:41 Calib Date: 03-Dec-2012 19:52:08
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D
 Limit Group: GC 8151 DOD
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK028

First Level Reviewer: bolgrind

Date:

24-Dec-2012 15:40:20

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

5 Dalapon

1	1.237	1.236	0.001	5446755	0.0119
2	1.370	1.371	-0.001	1846099	0.0127

RPD = 6.49

\$ 4 2,4-Dichlorophenylacetic acid

1	6.965	6.963	0.002	4051189	0.0272
2	7.608	7.606	0.002	1651406	0.0266

RPD = 2.14

6 Dicamba

1	7.131	7.129	0.002	8054403	0.0130
2	7.774	7.773	0.001	3198782	0.0125

RPD = 4.12

10 MCPP

1	7.416	7.413	0.003	2007568	1.47
2	7.961	7.960	0.001	785492	1.52

RPD = 3.81

9 MCPA

1	7.578	7.576	0.002	2929990	1.46
2	8.210	8.210	0.000	1177186	1.56

RPD = 6.46

7 Dichlorprop

1	7.949	7.946	0.003	3809521	0.0275
2	8.569	8.569	0.000	1464058	0.0278

RPD = 0.92

2 2,4-D

1	8.191	8.184	0.007	3655181	0.0243
2	8.927	8.924	0.003	1515527	0.0244

RPD = 0.66

Data File: \\NCCchrom\ChromData\A2HP1\20121222-16119.b\1000046.D

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

11 Pentachlorophenol 1

1 8.273

2 9.217

12 Silvex (2,4,5-TP)

1 9.062 9.058 0.004 4453611 0.005834

2 9.860 9.859 0.001 1695990 0.005974

RPD = 2.38

1 2,4,5-T

1 9.379 9.373 0.006 3380189 0.005507

2 10.339 10.336 0.003 1439676 0.005934

RPD = 7.46

3 2,4-DB

1 10.008 10.001 0.007 1471178 0.0230

2 10.989 10.987 0.002 641355 0.0241

RPD = 4.67

8 Dinoseb

1 11.212 11.207 0.005 1941800 0.003839

2 11.363 11.361 0.002 717821 0.003712

RPD = 3.35

QC Flag Legend

Processing Flags

1 - Missing Peaks

Report Date: 26-Dec-2012 15:31:48

Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP1\20121222-16119.b\P1000046.D

Injection Date: 23-Dec-2012 04:43:38

Limit Group: GC 8151 DOD

Client ID:

Instrument ID: A2HP1

Lims Batch ID: 69890

Lims Sample ID: 46

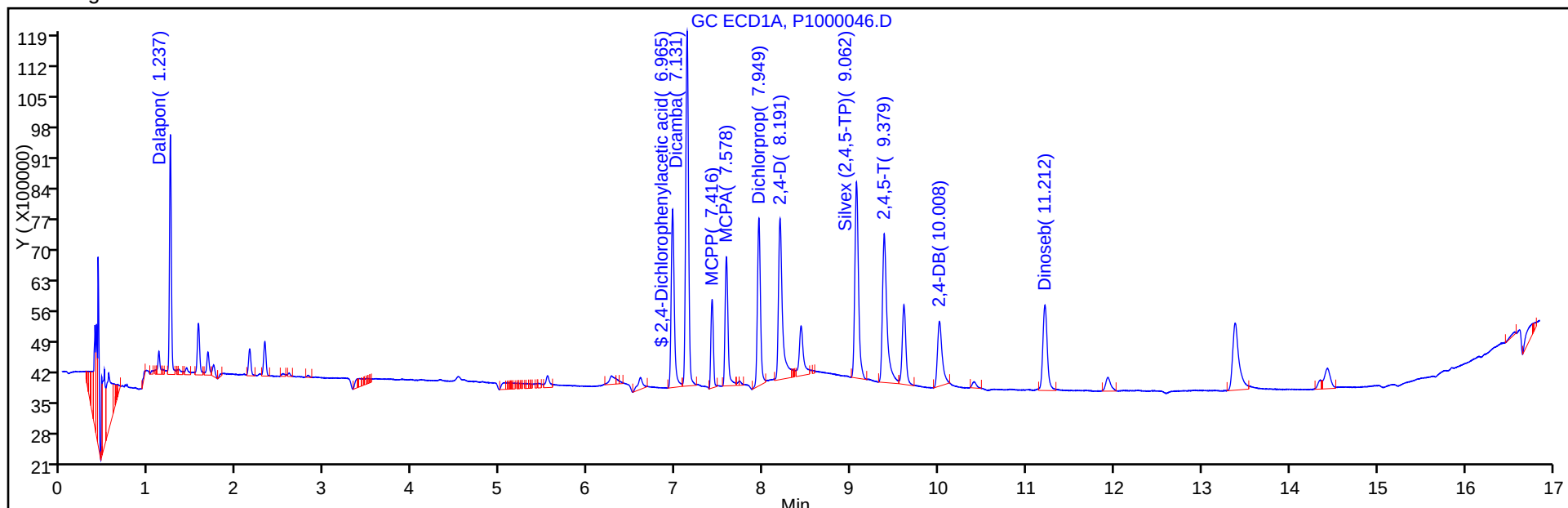
Operator ID: 001754

Injection Vol: 1.0 ul

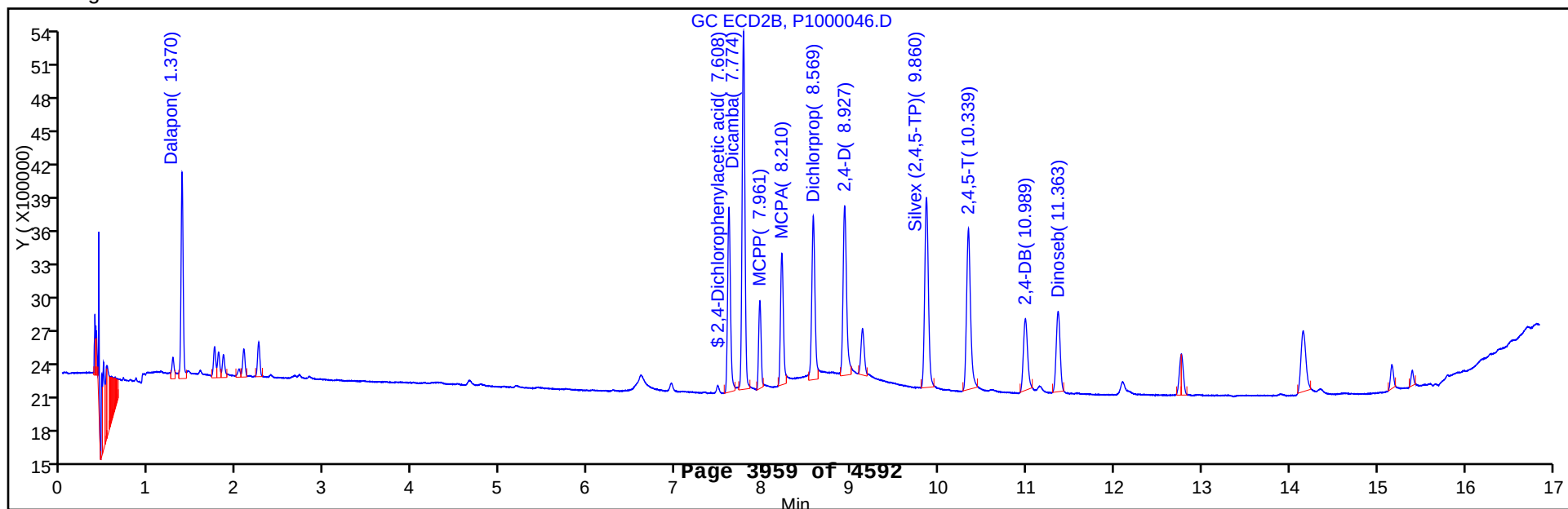
Column Type:

Column Dia:

Y Scaling:



Y Scaling:



GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-18703-1

SDG No.: _____

Instrument ID: A2HP1 Start Date: 09/18/2012 10:33Analysis Batch Number: 58097 End Date: 09/18/2012 15:40

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
STD 240-58097/3 IC		09/18/2012 10:33	1		CLP-1 0.53 (mm)
STD 240-58097/3 IC		09/18/2012 10:33	1		CLP-2 0.53 (mm)
STD 240-58097/4 IC		09/18/2012 10:57	1		CLP-1 0.53 (mm)
STD 240-58097/4 IC		09/18/2012 10:57	1		CLP-2 0.53 (mm)
STD 240-58097/5 ICRT		09/18/2012 11:20	1		CLP-1 0.53 (mm)
STD 240-58097/5 ICRT		09/18/2012 11:20	1		CLP-2 0.53 (mm)
STD 240-58097/6 IC		09/18/2012 11:44	1		CLP-1 0.53 (mm)
STD 240-58097/6 IC		09/18/2012 11:44	1		CLP-2 0.53 (mm)
STD 240-58097/7 IC		09/18/2012 12:08	1		CLP-1 0.53 (mm)
STD 240-58097/7 IC		09/18/2012 12:08	1		CLP-2 0.53 (mm)
STD 240-58097/8 IC		09/18/2012 12:31	1		CLP-1 0.53 (mm)
STD 240-58097/8 IC		09/18/2012 12:31	1		CLP-2 0.53 (mm)
ICV 240-58097/9		09/18/2012 12:55	1		CLP-1 0.53 (mm)
ICV 240-58097/9		09/18/2012 12:55	1		CLP-2 0.53 (mm)
STD 240-58097/10 IC		09/18/2012 13:18	1	P1000010.D	CLP-1 0.53 (mm)
STD 240-58097/10 IC		09/18/2012 13:18	1	P1000010.D	CLP-2 0.53 (mm)
STD 240-58097/11 IC		09/18/2012 13:42	1	P1000011.D	CLP-1 0.53 (mm)
STD 240-58097/11 IC		09/18/2012 13:42	1	P1000011.D	CLP-2 0.53 (mm)
STD 240-58097/12 IC		09/18/2012 14:06	1	P1000012.D	CLP-1 0.53 (mm)
STD 240-58097/12 IC		09/18/2012 14:06	1	P1000012.D	CLP-2 0.53 (mm)
STD 240-58097/13 IC		09/18/2012 14:29	1	P1000013.D	CLP-1 0.53 (mm)
STD 240-58097/13 IC		09/18/2012 14:29	1	P1000013.D	CLP-2 0.53 (mm)
STD 240-58097/14 IC		09/18/2012 14:53	1	P1000014.D	CLP-1 0.53 (mm)
STD 240-58097/14 IC		09/18/2012 14:53	1	P1000014.D	CLP-2 0.53 (mm)
STD 240-58097/15 IC		09/18/2012 15:16	1	P1000015.D	CLP-1 0.53 (mm)
STD 240-58097/15 IC		09/18/2012 15:16	1	P1000015.D	CLP-2 0.53 (mm)
ICV 240-58097/16		09/18/2012 15:40	1	P1000016.D	CLP-1 0.53 (mm)
ICV 240-58097/16		09/18/2012 15:40	1	P1000016.D	CLP-2 0.53 (mm)

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica CantonJob No.: 240-18703-1

SDG No.: _____

Instrument ID: A2HP1Start Date: 12/03/2012 17:53Analysis Batch Number: 67147End Date: 12/04/2012 04:33

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
STD 240-67147/6 IC		12/03/2012 17:53	1	P1000006.D	CLP-1 0.53 (mm)
STD 240-67147/6 IC		12/03/2012 17:53	1	P1000006.D	CLP-2 0.53 (mm)
STD 240-67147/7 IC		12/03/2012 18:17	1	P1000007.D	CLP-1 0.53 (mm)
STD 240-67147/7 IC		12/03/2012 18:17	1	P1000007.D	CLP-2 0.53 (mm)
STD 240-67147/8 ICRT		12/03/2012 18:41	1	P1000008.D	CLP-1 0.53 (mm)
STD 240-67147/8 ICRT		12/03/2012 18:41	1	P1000008.D	CLP-2 0.53 (mm)
STD 240-67147/9 IC		12/03/2012 19:04	1	P1000009.D	CLP-1 0.53 (mm)
STD 240-67147/9 IC		12/03/2012 19:04	1	P1000009.D	CLP-2 0.53 (mm)
STD 240-67147/10 IC		12/03/2012 19:28	1	P1000010.D	CLP-1 0.53 (mm)
STD 240-67147/10 IC		12/03/2012 19:28	1	P1000010.D	CLP-2 0.53 (mm)
STD 240-67147/11 IC		12/03/2012 19:52	1	P1000011.D	CLP-1 0.53 (mm)
STD 240-67147/11 IC		12/03/2012 19:52	1	P1000011.D	CLP-2 0.53 (mm)
ICV 240-67147/12		12/03/2012 20:15	1	P1000012.D	CLP-1 0.53 (mm)
ICV 240-67147/12		12/03/2012 20:15	1	P1000012.D	CLP-2 0.53 (mm)
CCV 240-67147/13		12/03/2012 20:39	1		CLP-1 0.53 (mm)
CCV 240-67147/13		12/03/2012 20:39	1		CLP-2 0.53 (mm)
ZZZZZ		12/03/2012 21:03	1		CLP-1 0.53 (mm)
ZZZZZ		12/03/2012 21:03	1		CLP-2 0.53 (mm)
ZZZZZ		12/03/2012 21:26	1		CLP-1 0.53 (mm)
ZZZZZ		12/03/2012 21:26	1		CLP-2 0.53 (mm)
ZZZZZ		12/03/2012 21:50	1		CLP-1 0.53 (mm)
ZZZZZ		12/03/2012 21:50	1		CLP-2 0.53 (mm)
ZZZZZ		12/03/2012 22:14	1		CLP-1 0.53 (mm)
ZZZZZ		12/03/2012 22:14	1		CLP-2 0.53 (mm)
ZZZZZ		12/03/2012 22:38	1		CLP-1 0.53 (mm)
ZZZZZ		12/03/2012 22:38	1		CLP-2 0.53 (mm)
ZZZZZ		12/03/2012 23:01	1		CLP-1 0.53 (mm)
ZZZZZ		12/03/2012 23:01	1		CLP-2 0.53 (mm)
ZZZZZ		12/03/2012 23:25	1		CLP-1 0.53 (mm)
ZZZZZ		12/03/2012 23:25	1		CLP-2 0.53 (mm)
ZZZZZ		12/03/2012 23:49	1		CLP-1 0.53 (mm)
ZZZZZ		12/03/2012 23:49	1		CLP-2 0.53 (mm)
ZZZZZ		12/04/2012 00:12	1		CLP-1 0.53 (mm)
ZZZZZ		12/04/2012 00:12	1		CLP-2 0.53 (mm)
ZZZZZ		12/04/2012 00:36	1		CLP-1 0.53 (mm)
ZZZZZ		12/04/2012 00:36	1		CLP-2 0.53 (mm)
CCV 240-67147/24		12/04/2012 01:00	1		CLP-1 0.53 (mm)
CCV 240-67147/24		12/04/2012 01:00	1		CLP-2 0.53 (mm)
CCV 240-67147/25		12/04/2012 01:24	1		CLP-1 0.53 (mm)
CCV 240-67147/25		12/04/2012 01:24	1		CLP-2 0.53 (mm)
ZZZZZ		12/04/2012 01:47	1		CLP-1 0.53 (mm)
ZZZZZ		12/04/2012 01:47	1		CLP-2 0.53 (mm)
ZZZZZ		12/04/2012 02:11	1		CLP-1 0.53 (mm)
ZZZZZ		12/04/2012 02:11	1		CLP-2 0.53 (mm)
ZZZZZ		12/04/2012 02:35	1		CLP-1 0.53 (mm)

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-18703-1

SDG No.: _____

Instrument ID: A2HP1 Start Date: 12/03/2012 17:53Analysis Batch Number: 67147 End Date: 12/04/2012 04:33

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		12/04/2012 02:35	1		CLP-2 0.53 (mm)
ZZZZZ		12/04/2012 02:58	1		CLP-1 0.53 (mm)
ZZZZZ		12/04/2012 02:58	1		CLP-2 0.53 (mm)
ZZZZZ		12/04/2012 03:22	1		CLP-1 0.53 (mm)
ZZZZZ		12/04/2012 03:22	1		CLP-2 0.53 (mm)
CCV 240-67147/31		12/04/2012 03:46	1		CLP-1 0.53 (mm)
CCV 240-67147/31		12/04/2012 03:46	1		CLP-2 0.53 (mm)
CCV 240-67147/32		12/04/2012 04:10	1		CLP-1 0.53 (mm)
CCV 240-67147/32		12/04/2012 04:10	1		CLP-2 0.53 (mm)
ZZZZZ		12/04/2012 04:33	1		CLP-1 0.53 (mm)
ZZZZZ		12/04/2012 04:33	1		CLP-2 0.53 (mm)

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-18703-1

SDG No.: _____

Instrument ID: A2HP1 Start Date: 12/17/2012 11:33Analysis Batch Number: 68956 End Date: 12/17/2012 17:50

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 240-68956/5 CCVRT		12/17/2012 11:33	1	P1000005.D	CLP-1 0.53 (mm)
CCV 240-68956/5 CCVRT		12/17/2012 11:33	1	P1000005.D	CLP-2 0.53 (mm)
CCV 240-68956/10		12/17/2012 13:31	1	P1000010.D	CLP-1 0.53 (mm)
CCV 240-68956/10		12/17/2012 13:31	1	P1000010.D	CLP-2 0.53 (mm)
CCV 240-68956/11		12/17/2012 13:55	1	P1000011.D	CLP-1 0.53 (mm)
CCV 240-68956/11		12/17/2012 13:55	1	P1000011.D	CLP-2 0.53 (mm)
MRL 240-68956/12		12/17/2012 14:18	1	P1000012.D	CLP-1 0.53 (mm)
MRL 240-68956/12		12/17/2012 14:18	1	P1000012.D	CLP-2 0.53 (mm)
240-18703-24	076-0140-0001-ER	12/17/2012 15:53	1	P1000016.D	CLP-1 0.53 (mm)
240-18703-24	076-0140-0001-ER	12/17/2012 15:53	1	P1000016.D	CLP-2 0.53 (mm)
MB 240-68522/21-A		12/17/2012 16:16	1	P1000017.D	CLP-1 0.53 (mm)
MB 240-68522/21-A		12/17/2012 16:16	1	P1000017.D	CLP-2 0.53 (mm)
LCS 240-68522/22-A		12/17/2012 16:40	1	P1000018.D	CLP-1 0.53 (mm)
LCS 240-68522/22-A		12/17/2012 16:40	1	P1000018.D	CLP-2 0.53 (mm)
CCV 240-68956/19		12/17/2012 17:03	1	P1000019.D	CLP-1 0.53 (mm)
CCV 240-68956/19		12/17/2012 17:03	1	P1000019.D	CLP-2 0.53 (mm)
CCV 240-68956/20		12/17/2012 17:27	1	P1000020.D	CLP-1 0.53 (mm)
CCV 240-68956/20		12/17/2012 17:27	1	P1000020.D	CLP-2 0.53 (mm)
MRL 240-68956/21		12/17/2012 17:50	1	P1000021.D	CLP-1 0.53 (mm)
MRL 240-68956/21		12/17/2012 17:50	1	P1000021.D	CLP-2 0.53 (mm)

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-18703-1

SDG No.: _____

Instrument ID: A2HP1 Start Date: 12/22/2012 12:38

Analysis Batch Number: 69890 End Date: 12/23/2012 05:30

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 240-69890/5 CCVRT		12/22/2012 12:38	1	P1000005.D	CLP-1 0.53 (mm)
CCV 240-69890/5 CCVRT		12/22/2012 12:38	1	P1000005.D	CLP-2 0.53 (mm)
CCV 240-69890/15		12/22/2012 16:34	1	P1000015.D	CLP-1 0.53 (mm)
CCV 240-69890/15		12/22/2012 16:34	1	P1000015.D	CLP-2 0.53 (mm)
CCV 240-69890/16		12/22/2012 16:57	1	P1000016.D	CLP-1 0.53 (mm)
CCV 240-69890/16		12/22/2012 16:57	1	P1000016.D	CLP-2 0.53 (mm)
MRL 240-69890/17		12/22/2012 17:21	1	P1000017.D	CLP-1 0.53 (mm)
MRL 240-69890/17		12/22/2012 17:21	1	P1000017.D	CLP-2 0.53 (mm)
ZZZZZ		12/22/2012 17:44	1		CLP-1 0.53 (mm)
ZZZZZ		12/22/2012 17:44	1		CLP-2 0.53 (mm)
ZZZZZ		12/22/2012 18:08	1		CLP-1 0.53 (mm)
ZZZZZ		12/22/2012 18:08	1		CLP-2 0.53 (mm)
ZZZZZ		12/22/2012 18:31	1		CLP-1 0.53 (mm)
ZZZZZ		12/22/2012 18:31	1		CLP-2 0.53 (mm)
ZZZZZ		12/22/2012 18:55	1		CLP-1 0.53 (mm)
ZZZZZ		12/22/2012 18:55	1		CLP-2 0.53 (mm)
ZZZZZ		12/22/2012 19:19	1		CLP-1 0.53 (mm)
ZZZZZ		12/22/2012 19:19	1		CLP-2 0.53 (mm)
ZZZZZ		12/22/2012 19:42	1		CLP-1 0.53 (mm)
ZZZZZ		12/22/2012 19:42	1		CLP-2 0.53 (mm)
ZZZZZ		12/22/2012 20:05	1		CLP-1 0.53 (mm)
ZZZZZ		12/22/2012 20:05	1		CLP-2 0.53 (mm)
240-18703-18	072SB-0075-0001-SO	12/22/2012 20:29	1	P1000025.D	CLP-1 0.53 (mm)
240-18703-18	072SB-0075-0001-SO	12/22/2012 20:29	1	P1000025.D	CLP-2 0.53 (mm)
240-18703-19	072SB-0076-0001-SO	12/22/2012 20:53	1	P1000026.D	CLP-1 0.53 (mm)
240-18703-19	072SB-0076-0001-SO	12/22/2012 20:53	1	P1000026.D	CLP-2 0.53 (mm)
240-18703-20	072SB-0077-0001-SO	12/22/2012 21:16	1	P1000027.D	CLP-1 0.53 (mm)
240-18703-20	072SB-0077-0001-SO	12/22/2012 21:16	1	P1000027.D	CLP-2 0.53 (mm)
CCV 240-69890/28		12/22/2012 21:40	1	P1000028.D	CLP-1 0.53 (mm)
CCV 240-69890/28		12/22/2012 21:40	1	P1000028.D	CLP-2 0.53 (mm)
CCV 240-69890/29		12/22/2012 22:03	1	P1000029.D	CLP-1 0.53 (mm)
CCV 240-69890/29		12/22/2012 22:03	1	P1000029.D	CLP-2 0.53 (mm)
240-18703-21	072SB-0079-0001-SO	12/22/2012 22:27	1	P1000030.D	CLP-1 0.53 (mm)
240-18703-21	072SB-0079-0001-SO	12/22/2012 22:27	1	P1000030.D	CLP-2 0.53 (mm)
240-18703-22	072SB-0080-0001-SO	12/22/2012 22:50	1	P1000031.D	CLP-1 0.53 (mm)
240-18703-22	072SB-0080-0001-SO	12/22/2012 22:50	1	P1000031.D	CLP-2 0.53 (mm)
240-18703-23	072SB-0081-0001-SO	12/22/2012 23:14	1	P1000032.D	CLP-1 0.53 (mm)
240-18703-23	072SB-0081-0001-SO	12/22/2012 23:14	1	P1000032.D	CLP-2 0.53 (mm)
CCV 240-69890/39		12/23/2012 01:59	1	P1000039.D	CLP-1 0.53 (mm)
CCV 240-69890/39		12/23/2012 01:59	1	P1000039.D	CLP-2 0.53 (mm)
CCV 240-69890/40		12/23/2012 02:22	1	P1000040.D	CLP-1 0.53 (mm)
CCV 240-69890/40		12/23/2012 02:22	1	P1000040.D	CLP-2 0.53 (mm)
MB 240-69221/23-A		12/23/2012 03:56	1	P1000044.D	CLP-1 0.53 (mm)
MB 240-69221/23-A		12/23/2012 03:56	1	P1000044.D	CLP-2 0.53 (mm)

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-18703-1

SDG No.: _____

Instrument ID: A2HP1 Start Date: 12/22/2012 12:38Analysis Batch Number: 69890 End Date: 12/23/2012 05:30

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
LCS 240-69221/24-A		12/23/2012 04:19	1	P1000045.D	CLP-1 0.53 (mm)
LCS 240-69221/24-A		12/23/2012 04:19	1	P1000045.D	CLP-2 0.53 (mm)
MRL 240-69890/46		12/23/2012 04:43	1	P1000046.D	CLP-1 0.53 (mm)
MRL 240-69890/46		12/23/2012 04:43	1	P1000046.D	CLP-2 0.53 (mm)
CCV 240-69890/47		12/23/2012 05:07	1	P1000047.D	CLP-1 0.53 (mm)
CCV 240-69890/47		12/23/2012 05:07	1	P1000047.D	CLP-2 0.53 (mm)
CCV 240-69890/48		12/23/2012 05:30	1	P1000048.D	CLP-1 0.53 (mm)
CCV 240-69890/48		12/23/2012 05:30	1	P1000048.D	CLP-2 0.53 (mm)

GC SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18703-1

SDG No.: _____

Batch Number: 68522 Batch Start Date: 12/13/12 09:53 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
240-18703-L-24	076-0140-0001-ER	8151A, 8151/DOD	T	5 SU	500 mL	12	2	100 mL	
MB 240-68522/21		8151A, 8151/DOD		7 SU	500 mL	12	2	100 mL	
LCS 240-68522/22		8151A, 8151/DOD		7 SU	500 mL	12	2	100 mL	1 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	EXHERBSURR 00012					
240-18703-L-24	076-0140-0001-ER	8151A, 8151/DOD	T	1 mL					
MB 240-68522/21		8151A, 8151/DOD		1 mL					
LCS 240-68522/22		8151A, 8151/DOD		1 mL					

Batch Notes	
Diethyl Ether Lot #	693500
Sulfuric Acid Lot Number	711898
Hexane Lot#	671338
MeCl2 Lot #	781177
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

GC SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18703-1

SDG No.: _____

Batch Number: 69221 Batch Start Date: 12/18/12 11:08 Batch Analyst: Matthews, BrandonBatch Method: 8151A Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	EXHEASPIKEW 00007	EXHERBSURR 00012		
240-18703-K-18	072SB-0075-0001-SO	8151A, 8151/DOD	T	30.37 g	100 mL		1 mL		
240-18703-I-19	072SB-0076-0001-SO	8151A, 8151/DOD	T	29.99 g	100 mL		1 mL		
240-18703-H-20	072SB-0077-0001-SO	8151A, 8151/DOD	T	30.17 g	100 mL		1 mL		
240-18703-I-21	072SB-0079-0001-SO	8151A, 8151/DOD	T	30.13 g	100 mL		1 mL		
240-18703-I-22	072SB-0080-0001-SO	8151A, 8151/DOD	T	30.30 g	100 mL		1 mL		
240-18703-I-23	072SB-0081-0001-SO	8151A, 8151/DOD	T	30.11 g	100 mL		1 mL		
MB 240-69221/23		8151A, 8151/DOD		30 g	100 mL		1 mL		
LCS 240-69221/24		8151A, 8151/DOD		30 g	100 mL	1 mL	1 mL		

Batch Notes	
Balance ID	b-037
Diethyl Ether Lot #	693503
Sulfuric Acid Lot Number	711899
Lot # of hydrochloric acid	014576
Hexane Lot#	671339
Potassium Hydroxide Lot #	711921
MeCL2 Lot #	781182
MeCl2/Acetone Lot #	785979
Na2SO4 Lot Number	677244
Silica Gel Lot Number	001550
TMSDM Lot #	347066

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.: 240-18703-1
SDG No.: _____
Matrix: Solid Level: Low Lab File ID: 320-0001969-020-1.d
Lab ID: LCS 320-7464/2-A Client ID: _____

COMPOUND	SPIKE ADDED (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC	QC LIMITS REC	#
Nitroguanidine	1.00	0.981	98	72-121	

Column to be used to flag recovery and RPD values

FORM III 8330 Modified

FORM III
HPLC/IC LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Sacramento Job No.: 240-18703-1

SDG No.: _____

Matrix: Water Level: Low Lab File ID: 320-0001969-052-1.d

Lab ID: LCS 320-7807/2-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Nitroguanidine	250	255	102	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.: 240-18703-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: 320-0001969-054-1.d
Lab ID: 240-18703-24 MS Client ID: 076-0140-0001-ER MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Nitroguanidine	250	6.0 U	262	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.: 240-18703-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: 320-0001969-055-1.d
Lab ID: 240-18703-24 MSD Client ID: 076-0140-0001-ER MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Nitroguanidine	250	259	103	1	15	73-117	

Column to be used to flag recovery and RPD values

FORM IV
HPLC/IC METHOD BLANK SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18703-1
SDG No.: _____
Lab File ID: 320-0001969-019-1.d Lab Sample ID: MB 320-7464/1-A
Matrix: Solid Date Extracted: 12/17/2012 11:57
Instrument ID: PDA1 Date Analyzed: 12/26/2012 20:00
Level: (Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 320-7464/2-A	320-0001969 -020-1.d	12/26/2012 20:14
072SB-0082-0001-SO	240-18703-8	320-0001969 -040-1.d	12/27/2012 01:02
072SB-0075-0001-SO	240-18703-18	320-0001969 -041-1.d	12/27/2012 01:16

FORM IV
HPLC/IC METHOD BLANK SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18703-1
SDG No.: _____
Lab File ID: 320-0001969-050-1.d Lab Sample ID: MB 320-7807/1-A
Matrix: Water Date Extracted: 12/24/2012 12:40
Instrument ID: PDA1 Date Analyzed: 12/27/2012 03:25
Level: (Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 320-7807/2-A	320-0001969 -052-1.d	12/27/2012 03:54
076-0140-0001-ER	240-18703-24	320-0001969 -053-1.d	12/27/2012 04:08
076-0140-0001-ER MS	240-18703-24 MS	320-0001969 -054-1.d	12/27/2012 04:23
076-0140-0001-ER MSD	240-18703-24 MSD	320-0001969 -055-1.d	12/27/2012 04:37

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-18703-1
SDG No.: _____
Client Sample ID: 072SB-0082-0001-SO Lab Sample ID: 240-18703-8
Matrix: Solid Lab File ID: 320-0001969-040-1.d
Analysis Method: 8330 Modified Date Collected: 12/10/2012 10:45
Extraction Method: Sieve/Ultrasoni Date Extracted: 12/17/2012 11:57
Sample wt/vol: 2.04(g) Date Analyzed: 12/27/2012 01:02
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.: 7855 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
556-88-7	Nitroguanidine	0.039	U	0.25	0.039	0.020

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\PDA1\20121226-1969.b\320-0001969-040-1.d
Lims ID: 240-18703-I-8-B Client ID: 072SB-0082-0001-SO
Inject. Date: 27-Dec-2012 01:02:00 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 320-0001969-040 Analysis
Misc. Info.: none
Operator: RN Instrument ID: PDA1
Injection Vol: 50.0 ul ALS Bottle#: 0
Lims Batch ID: 7855 Lims Sample ID: 40
Detector: GC 320-0001969-040-1
Method: \\SACChrom\ChromData\PDA1\20121226-1969.b\NGu Primary.m
Last Update: 28-Dec-2012 08:28:05 Calib Date: 26-Dec-2012 14:30:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-009-1.d
Limit Group: LC 8330 Ngu ICAL
Integrator: Falcon
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm
Process Host: XAWRK013

First Level Reviewer: noonanr

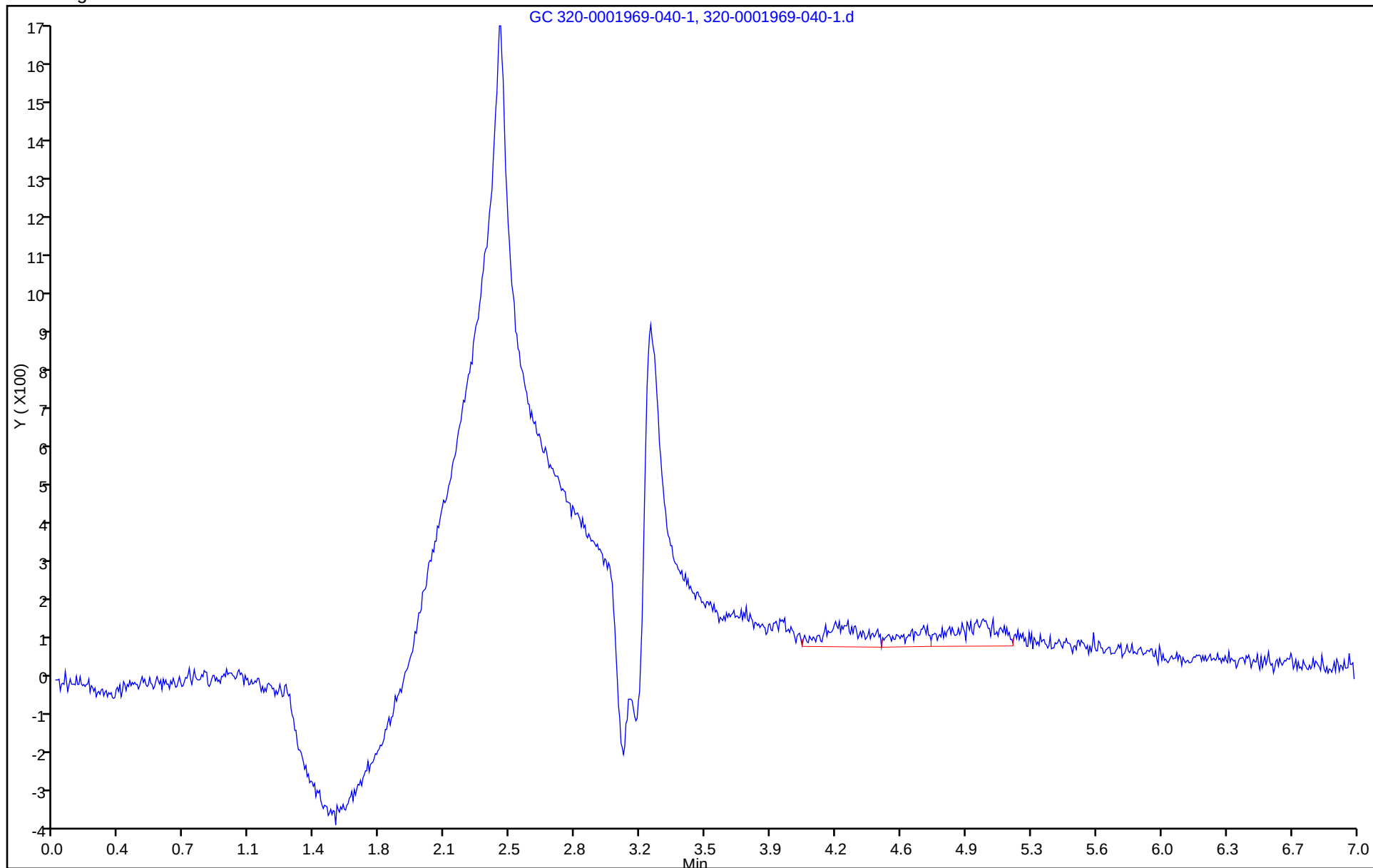
Date: 28-Dec-2012 08:29:18

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

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\PDA1\20121226-1969.b\320-0001969-040-1.d
Injection Date: 27-Dec-2012 01:02:00 Limit Group: LC 8330 Ngu ICAL
Client ID: 072SB-0082-0001-SO Instrument ID: PDA1
Lims Batch ID: 7855 Lims Sample ID: 40
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.: 240-18703-1
SDG No.: _____
Client Sample ID: 072SB-0075-0001-SO Lab Sample ID: 240-18703-18
Matrix: Solid Lab File ID: 320-0001969-041-1.d
Analysis Method: 8330 Modified Date Collected: 12/10/2012 13:45
Extraction Method: Sieve/Ultrasoni Date Extracted: 12/17/2012 11:57
Sample wt/vol: 1.99(g) Date Analyzed: 12/27/2012 01:16
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.: 7855 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
556-88-7	Nitroguanidine	0.040	U	0.25	0.040	0.020

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\PDA1\20121226-1969.b\320-0001969-041-1.d
Lims ID: 240-18703-L-18-B Client ID: 072SB-0075-0001-SO
Inject. Date: 27-Dec-2012 01:16:00 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 320-0001969-041 Analysis
Misc. Info.: none
Operator: RN Instrument ID: PDA1
Injection Vol: 50.0 ul ALS Bottle#: 0
Lims Batch ID: 7855 Lims Sample ID: 41
Detector: GC 320-0001969-041-1
Method: \\SACChrom\ChromData\PDA1\20121226-1969.b\NGu Primary.m
Last Update: 28-Dec-2012 08:28:05 Calib Date: 26-Dec-2012 14:30:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-009-1.d
Limit Group: LC 8330 Ngu ICAL
Integrator: Falcon
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm
Process Host: XAWRK013

First Level Reviewer: noonanr

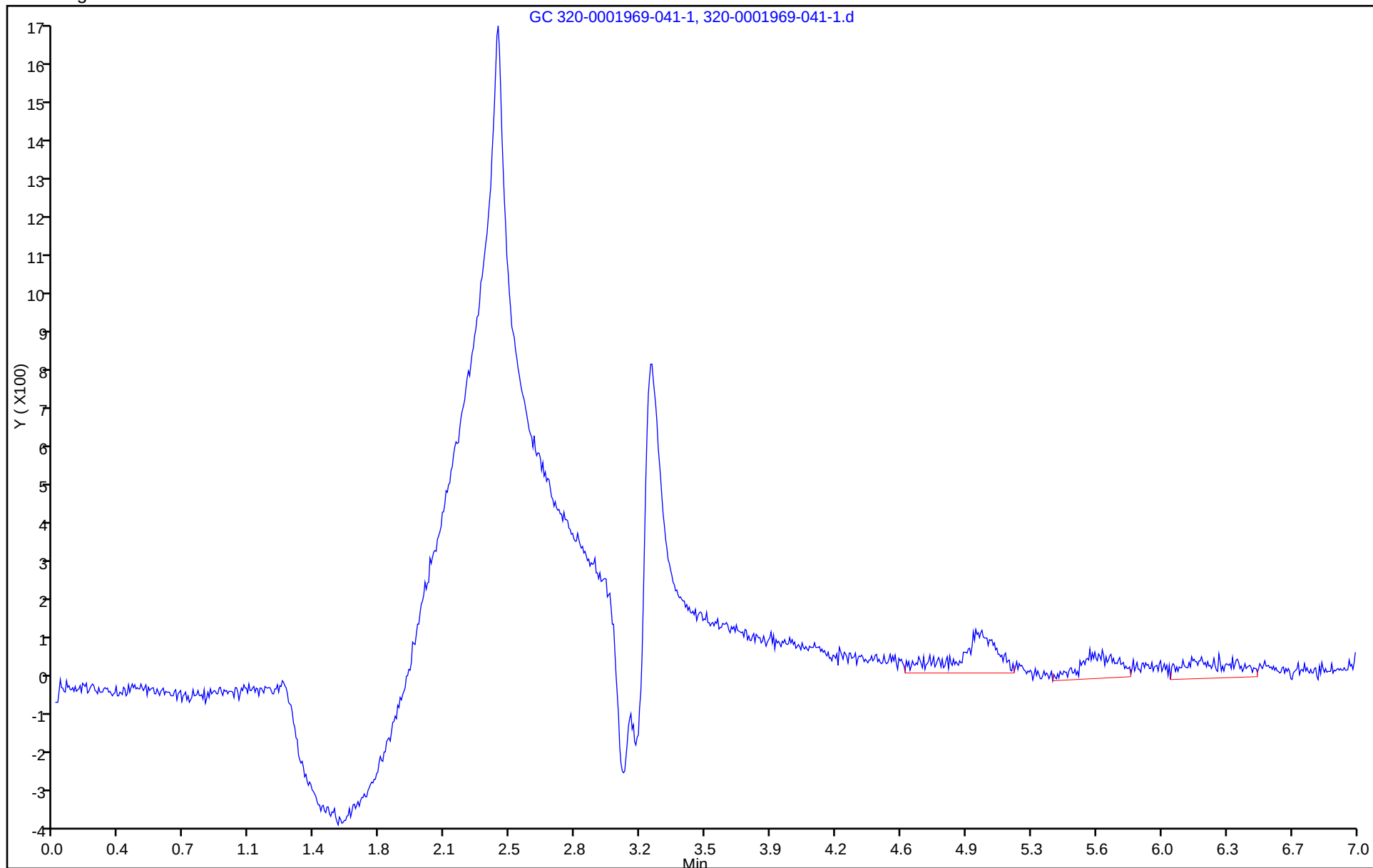
Date: 28-Dec-2012 08:29:27

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

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\PDA1\20121226-1969.b\320-0001969-041-1.d
Injection Date: 27-Dec-2012 01:16:00 Limit Group: LC 8330 Ngu ICAL
Client ID: 072SB-0075-0001-SO Instrument ID: PDA1
Lims Batch ID: 7855 Lims Sample ID: 41
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.: 240-18703-1
SDG No.: _____
Client Sample ID: 076-0140-0001-ER Lab Sample ID: 240-18703-24
Matrix: Water Lab File ID: 320-0001969-053-1.d
Analysis Method: 8330 Modified Date Collected: 12/09/2012 10:30
Extraction Method: Filtration Date Extracted: 12/24/2012 12:40
Sample wt/vol: 10 (mL) Date Analyzed: 12/27/2012 04:08
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.: 7855 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 West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\PDA1\20121226-1969.b\320-0001969-053-1.d
Lims ID: 240-18703-S-24-A Client ID: 076-0140-0001-ER
Inject. Date: 27-Dec-2012 04:08:00 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 320-0001969-053 Analysis
Misc. Info.: none
Operator: RN Instrument ID: PDA1
Injection Vol: 50.0 ul ALS Bottle#: 0
Lims Batch ID: 7855 Lims Sample ID: 53
Detector: GC 320-0001969-053-1
Method: \\SACChrom\ChromData\PDA1\20121226-1969.b\NGu Primary.m
Last Update: 28-Dec-2012 09:05:22 Calib Date: 26-Dec-2012 14:30:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-009-1.d
Limit Group: LC 8330 Ngu ICAL
Integrator: Falcon
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm
Process Host: XAWRK013

First Level Reviewer: noonanr

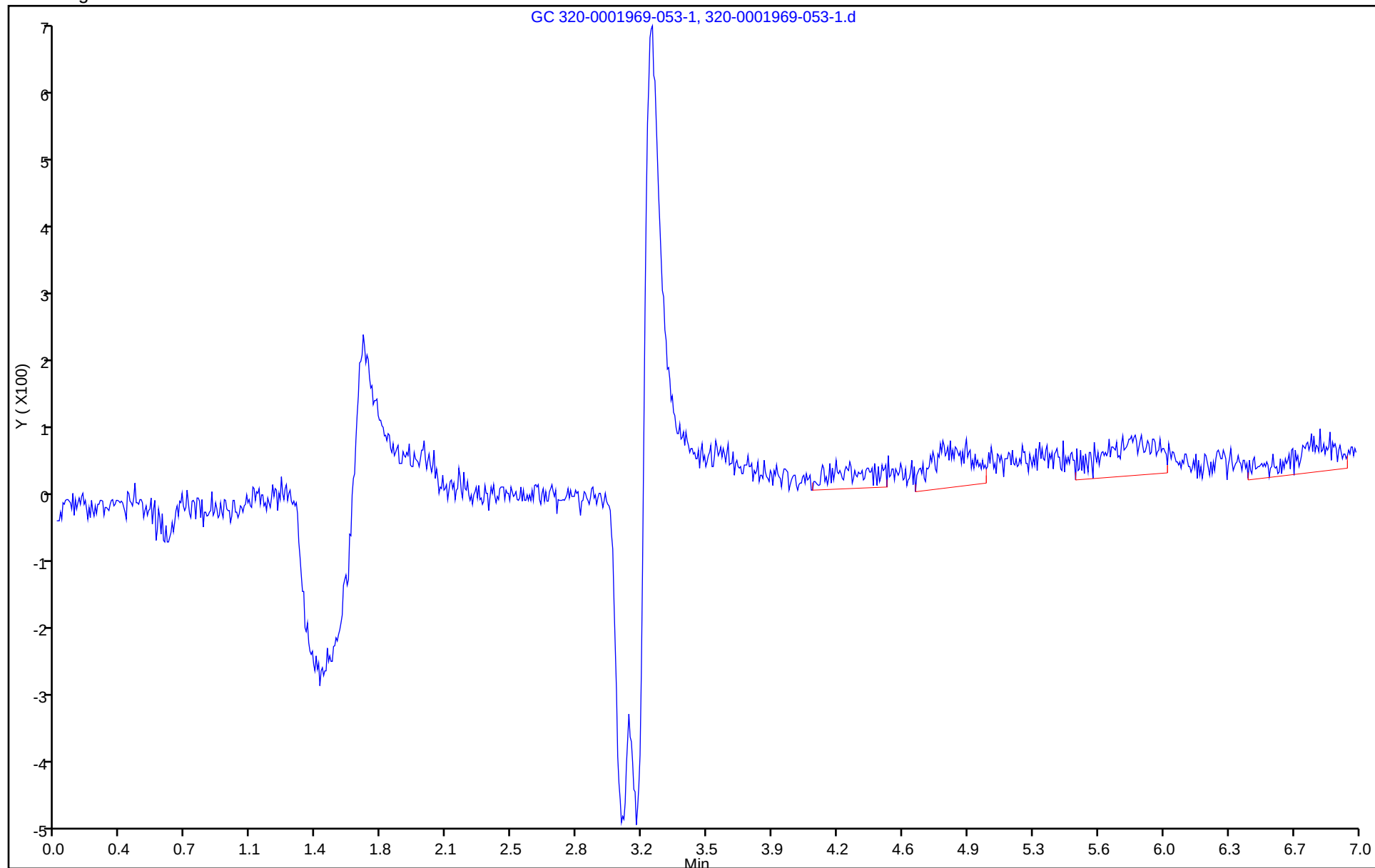
Date: 28-Dec-2012 09:05:32

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

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\PDA1\20121226-1969.b\320-0001969-053-1.d
Injection Date: 27-Dec-2012 04:08:00 Limit Group: LC 8330 Ngu ICAL
Client ID: 076-0140-0001-ER Instrument ID: PDA1
Lims Batch ID: 7855 Lims Sample ID: 53
Operator ID: RN Injection Vol: 50.0 ul
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm

Y Scaling:



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

Lab Name: TestAmerica Sacramento Job No.: 240-18703-1 Analy Batch No.: 7846

SDG No.: _____

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

Calibration Start Date: 12/26/2012 13:18 Calibration End Date: 12/26/2012 14:30 Calibration ID: 1838

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD02 320-7846/4	320-0001966-004-1.d
Level 2	STD03 320-7846/5	320-0001966-005-1.d
Level 3	STD04 320-7846/6	320-0001966-006-1.d
Level 4	STD05 320-7846/7	320-0001966-007-1.d
Level 5	STD06 320-7846/8	320-0001966-008-1.d
Level 6	STD07 320-7846/9	320-0001966-009-1.d

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
Nitroguanidine	4.293	4.287	4.273	4.253	4.273	4.273					4.017 - 4.517	4.275

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

Lab Name: TestAmerica Sacramento Job No.: 240-18703-1 Analy Batch No.: 7846

SDG No.: _____

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

Calibration Start Date: 12/26/2012 13:18 Calibration End Date: 12/26/2012 14:30 Calibration ID: 1838

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD02 320-7846/4	320-0001966-004-1.d
Level 2	STD03 320-7846/5	320-0001966-005-1.d
Level 3	STD04 320-7846/6	320-0001966-006-1.d
Level 4	STD05 320-7846/7	320-0001966-007-1.d
Level 5	STD06 320-7846/8	320-0001966-008-1.d
Level 6	STD07 320-7846/9	320-0001966-009-1.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	38.050 35.454	36.420 34.641	36.210	36.055	Ave		36.1383333				3.1		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.: 240-18703-1 Analy Batch No.: 7846

SDG No.: _____

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

Calibration Start Date: 12/26/2012 13:18 Calibration End Date: 12/26/2012 14:30 Calibration ID: 1838

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD02 320-7846/4	320-0001966-004-1.d
Level 2	STD03 320-7846/5	320-0001966-005-1.d
Level 3	STD04 320-7846/6	320-0001966-006-1.d
Level 4	STD05 320-7846/7	320-0001966-007-1.d
Level 5	STD06 320-7846/8	320-0001966-008-1.d
Level 6	STD07 320-7846/9	320-0001966-009-1.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	761 34641	1821	3621	7211	17727	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\20121226-1966.b\320-0001966-004-1.d
Lims ID: std02 Client ID:
Inject. Date: 26-Dec-2012 13:18:00 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: 320-0001966-004 Analysis
Misc. Info.: none STD05
Operator: RN Instrument ID: PDA1
Injection Vol: 50.0 ul ALS Bottle#: 0
Lims Batch ID: 7846 Lims Sample ID: 4
Sublist: chrom-NGu Primary*sub1
Detector: GC 320-0001966-004-1
Method: \\SACChrom\ChromData\PDA1\20121226-1966.b\NGu Primary.m
Last Update: 26-Dec-2012 15:10:29 Calib Date: 26-Dec-2012 14:30:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-009-1.d
Limit Group: LC 8330 Ngu ICAL
Integrator: Falcon
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm
Process Host: XAWRK028

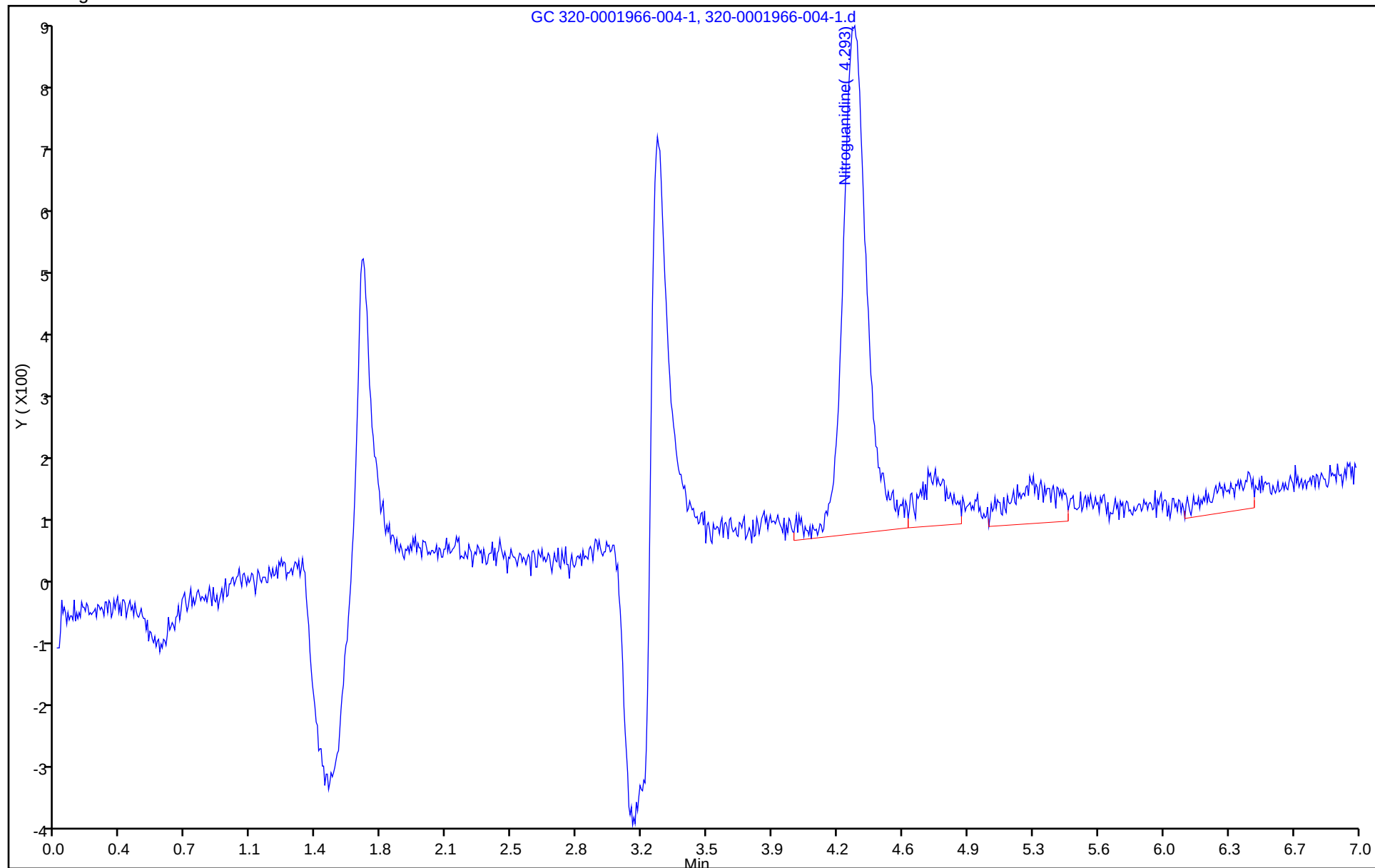
RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags

1 Nitroguanidine
4.293 4.267 0.026 761 21.1

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-004-1.d
Injection Date: 26-Dec-2012 13:18:00 Limit Group: LC 8330 Ngu ICAL
Client ID: Instrument ID: PDA1
Lims Batch ID: 7846 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:



TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-005-1.d
Lims ID: std03 Client ID:
Inject. Date: 26-Dec-2012 13:32:00 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 3
Sample ID: 320-0001966-005 Analysis
Misc. Info.: none STD05
Operator: RN Instrument ID: PDA1
Injection Vol: 50.0 ul ALS Bottle#: 0
Lims Batch ID: 7846 Lims Sample ID: 5
Sublist: chrom-NGu Primary*sub1
Detector: GC 320-0001966-005-1
Method: \\SACChrom\ChromData\PDA1\20121226-1966.b\NGu Primary.m
Last Update: 26-Dec-2012 15:10:30 Calib Date: 26-Dec-2012 14:30:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-009-1.d
Limit Group: LC 8330 Ngu ICAL
Integrator: Falcon
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm
Process Host: XAWRK028

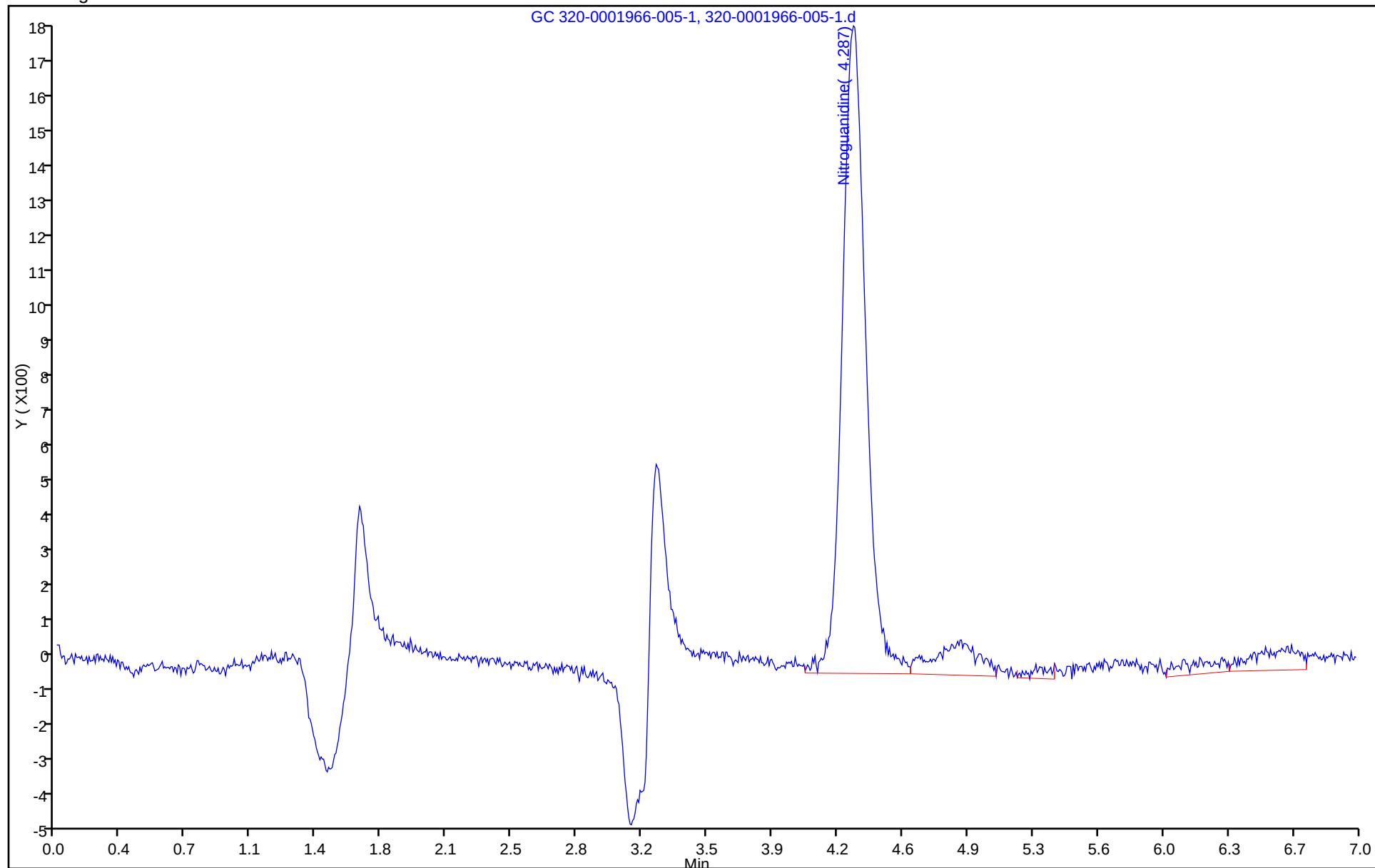
RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags

1 Nitroguanidine
4.287 4.267 0.020 1821 50.4

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-005-1.d
Injection Date: 26-Dec-2012 13:32:00 Limit Group: LC 8330 Ngu ICAL
Client ID: Instrument ID: PDA1
Lims Batch ID: 7846 Lims Sample ID: 5
Operator ID: RN Injection Vol: 50.0 ul
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm

Y Scaling:



TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-006-1.d
Lims ID: std04 Client ID:
Inject. Date: 26-Dec-2012 13:47:00 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID: 320-0001966-006 Analysis
Misc. Info.: none STD05
Operator: RN Instrument ID: PDA1
Injection Vol: 50.0 ul ALS Bottle#: 0
Lims Batch ID: 7846 Lims Sample ID: 6
Sublist: chrom-NGu Primary*sub1
Detector: GC 320-0001966-006-1
Method: \\SACChrom\ChromData\PDA1\20121226-1966.b\NGu Primary.m
Last Update: 26-Dec-2012 15:16:28 Calib Date: 26-Dec-2012 14:30:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-009-1.d
Limit Group: LC 8330 Ngu ICAL
Integrator: Falcon
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm
Process Host: XAWRK028

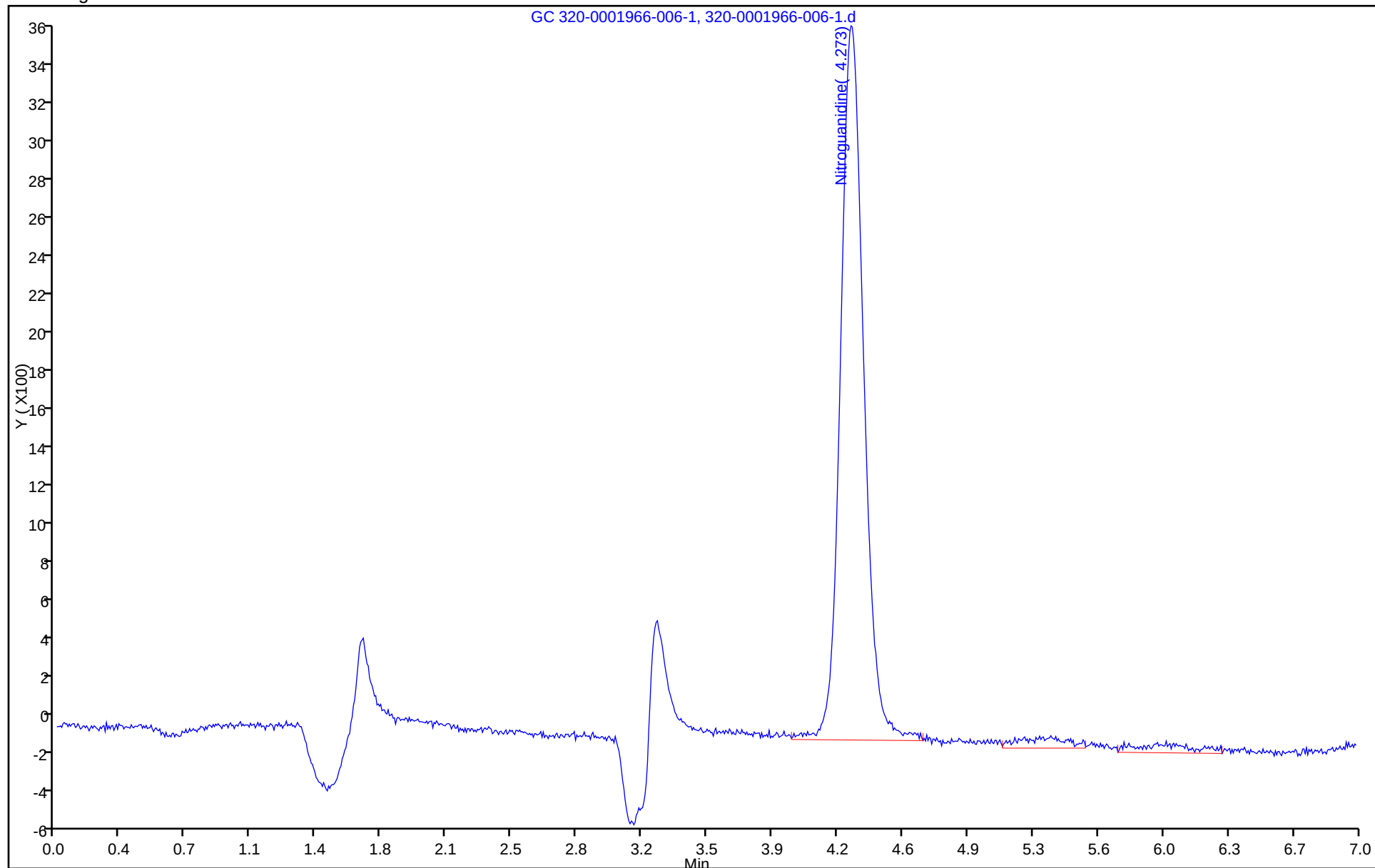
RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags

1 Nitroguanidine
4.273 4.267 0.006 3621 100.2

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-006-1.d
Injection Date: 26-Dec-2012 13:47:00 Limit Group: LC 8330 Ngu ICAL
Client ID: Instrument ID: PDA1
Lims Batch ID: 7846 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 West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-007-1.d
Lims ID: std05 Client ID:
Inject. Date: 26-Dec-2012 14:01:00 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 5
Sample ID: 320-0001966-007 Analysis
Misc. Info.: none STD05
Operator: RN Instrument ID: PDA1
Injection Vol: 50.0 ul ALS Bottle#: 0
Lims Batch ID: 7846 Lims Sample ID: 7
Sublist: chrom-NGu Primary*sub1
Detector: GC 320-0001966-007-1
Method: \\SACChrom\ChromData\PDA1\20121226-1966.b\NGu Primary.m
Last Update: 26-Dec-2012 15:10:30 Calib Date: 26-Dec-2012 14:30:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-009-1.d
Limit Group: LC 8330 Ngu ICAL
Integrator: Falcon
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm
Process Host: XAWRK028

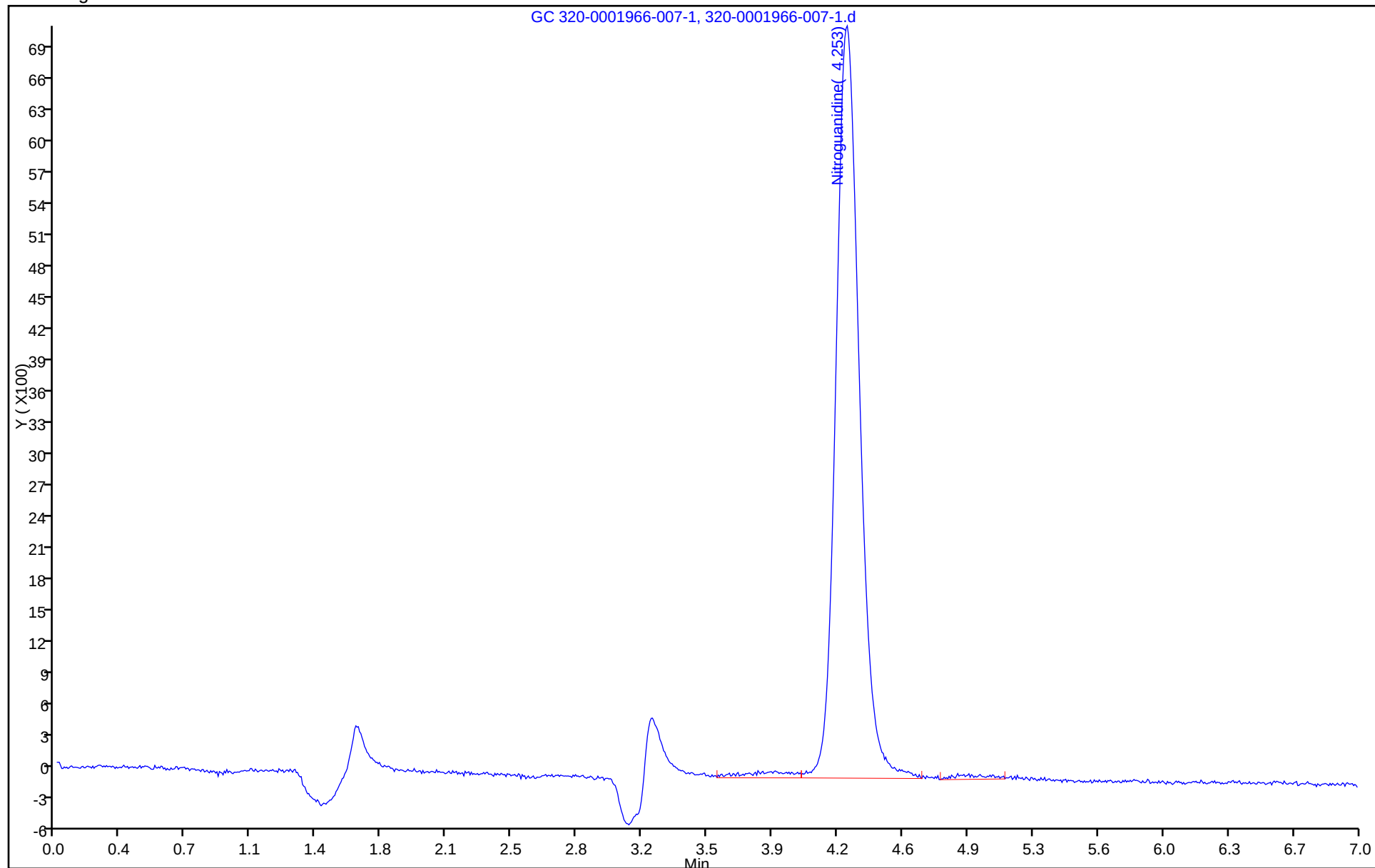
RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags

1 Nitroguanidine
4.253 4.253 0.0 7211 199.5

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-007-1.d
Injection Date: 26-Dec-2012 14:01:00 Limit Group: LC 8330 Ngu ICAL
Client ID: Instrument ID: PDA1
Lims Batch ID: 7846 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 West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-008-1.d
Lims ID: std06 Client ID:
Inject. Date: 26-Dec-2012 14:15:00 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 6
Sample ID: 320-0001966-008 Analysis
Misc. Info.: none MRL
Operator: RN Instrument ID: PDA1
Injection Vol: 50.0 ul ALS Bottle#: 0
Lims Batch ID: 7846 Lims Sample ID: 8
Sublist: chrom-NGu Primary*sub1
Detector: GC 320-0001966-008-1
Method: \\SACChrom\ChromData\PDA1\20121226-1966.b\NGu Primary.m
Last Update: 26-Dec-2012 15:10:31 Calib Date: 26-Dec-2012 14:30:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-009-1.d
Limit Group: LC 8330 Ngu ICAL
Integrator: Falcon
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm
Process Host: XAWRK028

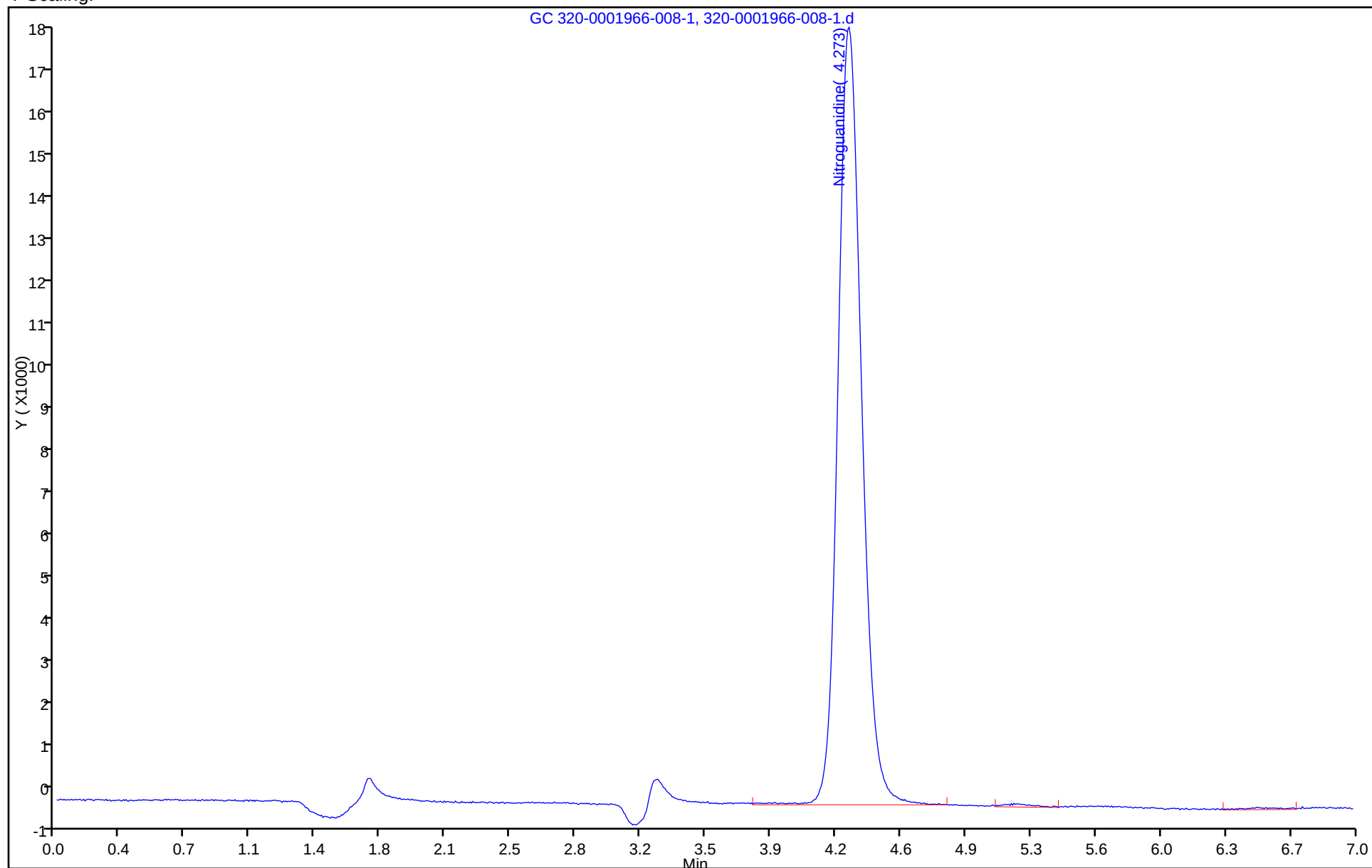
RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags

1 Nitroguanidine
4.273 4.253 0.020 17727 490.5

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-008-1.d
Injection Date: 26-Dec-2012 14:15:00 Limit Group: LC 8330 Ngu ICAL
Client ID: Instrument ID: PDA1
Lims Batch ID: 7846 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 West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-009-1.d
Lims ID: std07 Client ID:
Inject. Date: 26-Dec-2012 14:30:00 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 7
Sample ID: 320-0001966-009 Analysis
Misc. Info.: none STD05
Operator: RN Instrument ID: PDA1
Injection Vol: 50.0 ul ALS Bottle#: 0
Lims Batch ID: 7846 Lims Sample ID: 9
Sublist: chrom-NGu Primary*sub1
Detector: GC 320-0001966-009-1
Method: \\SACChrom\ChromData\PDA1\20121226-1966.b\NGu Primary.m
Last Update: 26-Dec-2012 15:10:31 Calib Date: 26-Dec-2012 14:30:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-009-1.d
Limit Group: LC 8330 Ngu ICAL
Integrator: Falcon
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm
Process Host: XAWRK028

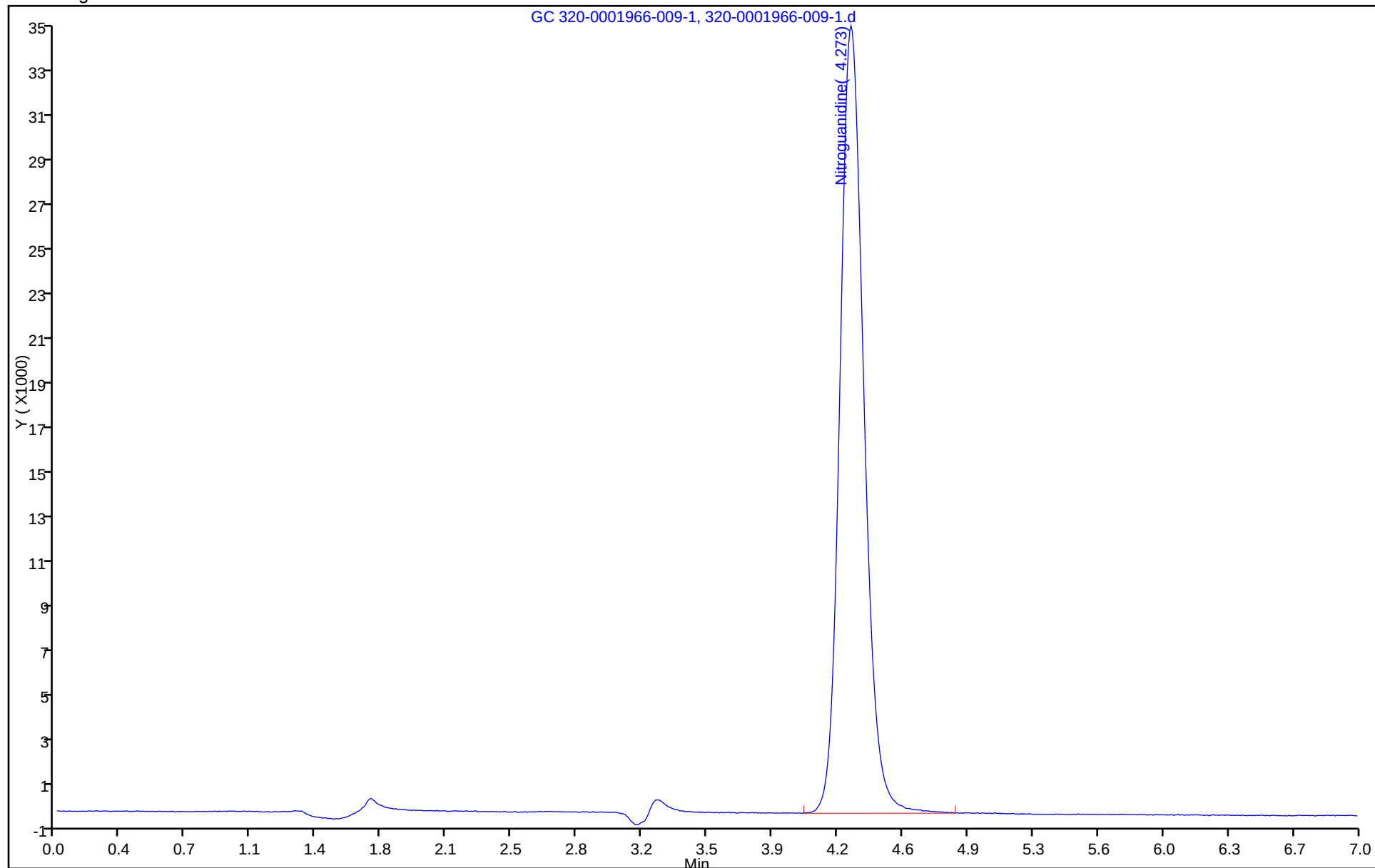
RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags

1 Nitroguanidine
4.273 4.253 0.020 34641 958.6

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-009-1.d
Injection Date: 26-Dec-2012 14:30:00 Limit Group: LC 8330 Ngu ICAL
Client ID: Instrument ID: PDA1
Lims Batch ID: 7846 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:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-18703-1
SDG No.: _____
Lab Sample ID: ICV 320-7846/11 Calibration Date: 12/26/2012 14:58
Instrument ID: PDA1 Calib Start Date: 12/26/2012 13:18
GC Column: Luna NH2 ID: 4.60 (mm) Calib End Date: 12/26/2012 14:30
Lab File ID: 320-0001966-011-1.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitroguanidine	Ave	36.14	36.45		202	200	0.9	15.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18703-1
SDG No.: _____
Lab Sample ID: ICV 320-7846/11 Calibration Date: 12/26/2012 14:58
Instrument ID: PDA1 Calib Start Date: 12/26/2012 13:18
GC Column: Luna NH2 ID: 4.60 (mm) Calib End Date: 12/26/2012 14:30
Lab File ID: 320-0001966-011-1.d

Analyte	RT	RT WINDOW	
		FROM	TO
Nitroguanidine	4.27	4.02	4.52

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-011-1.d
Lims ID: icv Client ID:
Inject. Date: 26-Dec-2012 14:58:00 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 320-0001966-011 Analysis
Misc. Info.: none STD05
Operator: RN Instrument ID: PDA1
Injection Vol: 50.0 ul ALS Bottle#: 0
Lims Batch ID: 7846 Lims Sample ID: 11
Sublist:
Detector: GC 320-0001966-011-1
Method: \\SACChrom\ChromData\PDA1\20121226-1966.b\NGu Primary.m
Last Update: 26-Dec-2012 15:16:14 Calib Date: 26-Dec-2012 14:30:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-009-1.d
Limit Group: LC 8330 Ngu ICAL
Integrator: Falcon
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm
Process Host: XAWRK028

First Level Reviewer: noonanr

Date: 26-Dec-2012 15:10:29

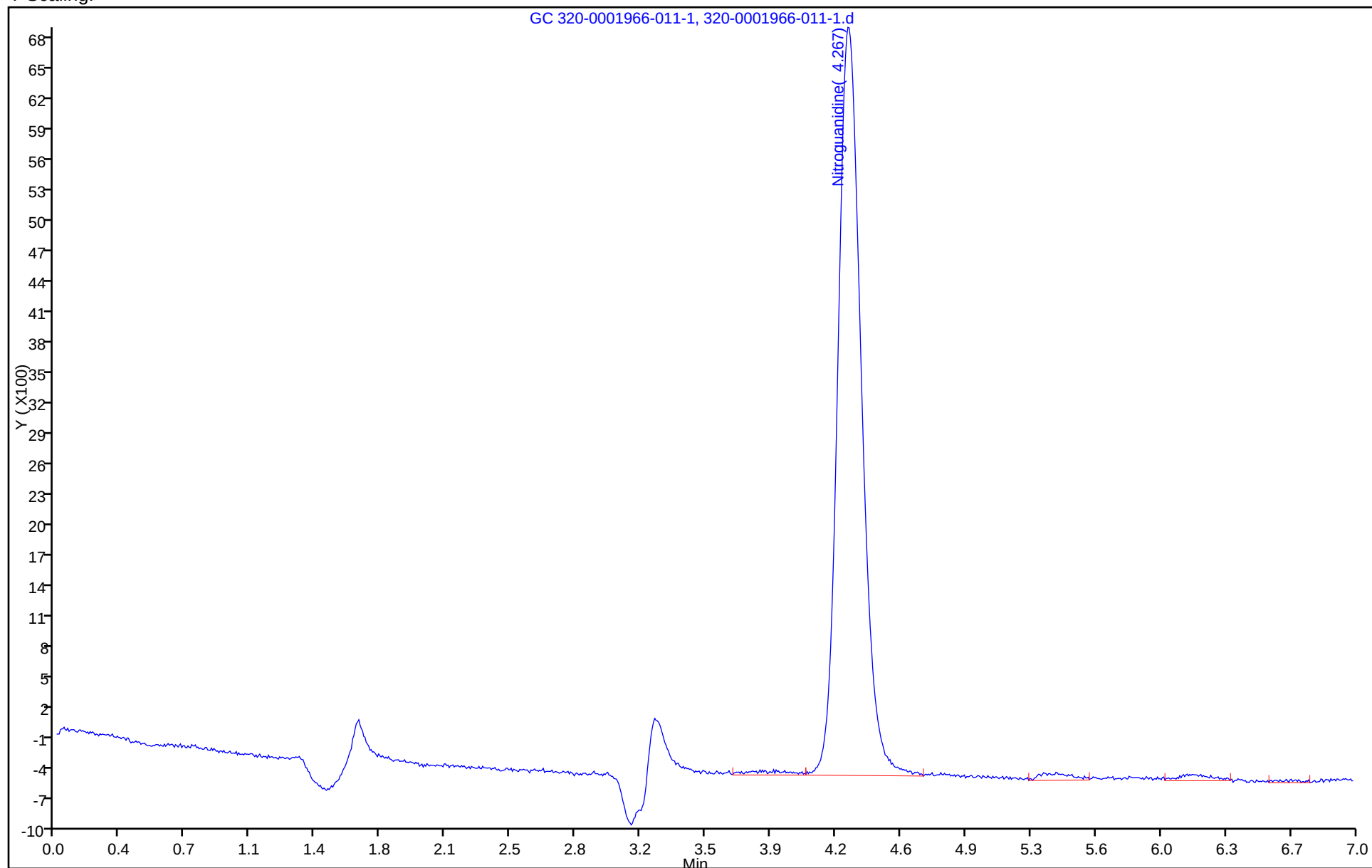
RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags

1 Nitroguanidine
4.267 4.267 0.0 7290 201.7

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-011-1.d
Injection Date: 26-Dec-2012 14:58:00 Limit Group: LC 8330 Ngu ICAL
Client ID: Instrument ID: PDA1
Lims Batch ID: 7846 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.: 240-18703-1
SDG No.: _____
Lab Sample ID: LODV 320-7846/12 Calibration Date: 12/26/2012 15:13
Instrument ID: PDA1 Calib Start Date: 12/26/2012 13:18
GC Column: Luna NH2 ID: 4.60 (mm) Calib End Date: 12/26/2012 14:30
Lab File ID: 320-0001966-012-1.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitroguanidine	Ave	36.14	36.40		5.04	5.00	0.7	

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18703-1
SDG No.: _____
Lab Sample ID: LODV 320-7846/12 Calibration Date: 12/26/2012 15:13
Instrument ID: PDA1 Calib Start Date: 12/26/2012 13:18
GC Column: Luna NH2 ID: 4.60 (mm) Calib End Date: 12/26/2012 14:30
Lab File ID: 320-0001966-012-1.d

Analyte	RT	RT WINDOW	
		FROM	TO
Nitroguanidine	4.27	3.98	4.48

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-012-1.d
Lims ID: LODV Client ID:
Inject. Date: 26-Dec-2012 15:13:00 Dil. Factor: 1.0000
Sample Type: LODV
Sample ID: 320-0001966-012 Analysis
Misc. Info.: none STD05
Operator: RN Instrument ID: PDA1
Injection Vol: 50.0 ul ALS Bottle#: 0
Lims Batch ID: 7846 Lims Sample ID: 12
Detector: GC 320-0001966-012-1
Method: \\SACChrom\ChromData\PDA1\20121226-1966.b\NGu Primary.m
Last Update: 26-Dec-2012 15:39:48 Calib Date: 26-Dec-2012 14:30:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-009-1.d
Limit Group: LC 8330 Ngu ICAL
Integrator: Falcon
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm
Process Host: XAWRK028

First Level Reviewer: noonanr

Date: 26-Dec-2012 15:39:48

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

1 Nitroguanidine					M
4.267	4.233	0.034	182	5.04	M

QC Flag Legend

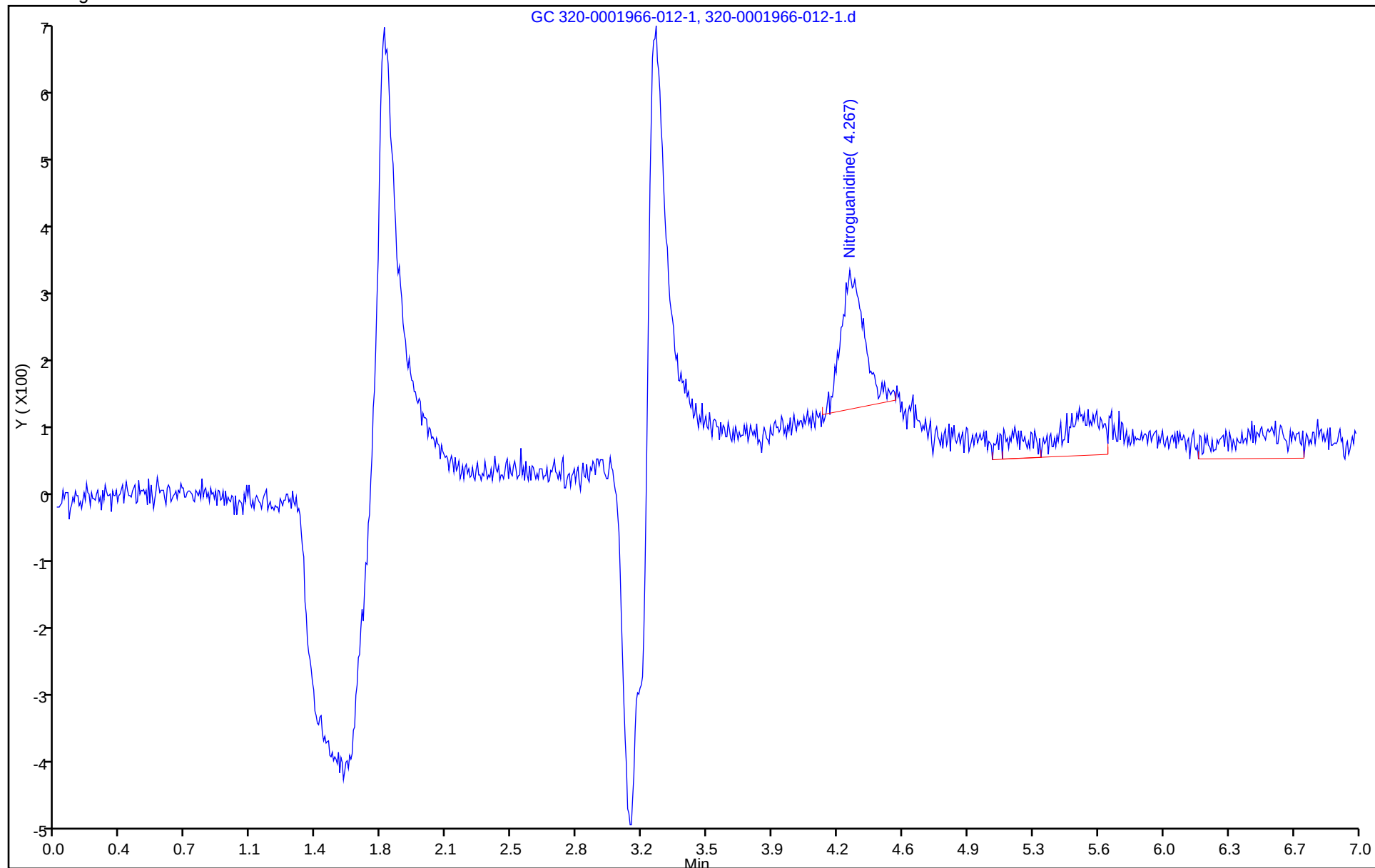
Review Flags

M - Manually Integrated

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-012-1.d
Injection Date: 26-Dec-2012 15:13:00 Limit Group: LC 8330 Ngu ICAL
Client ID: Instrument ID: PDA1
Lims Batch ID: 7846 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:



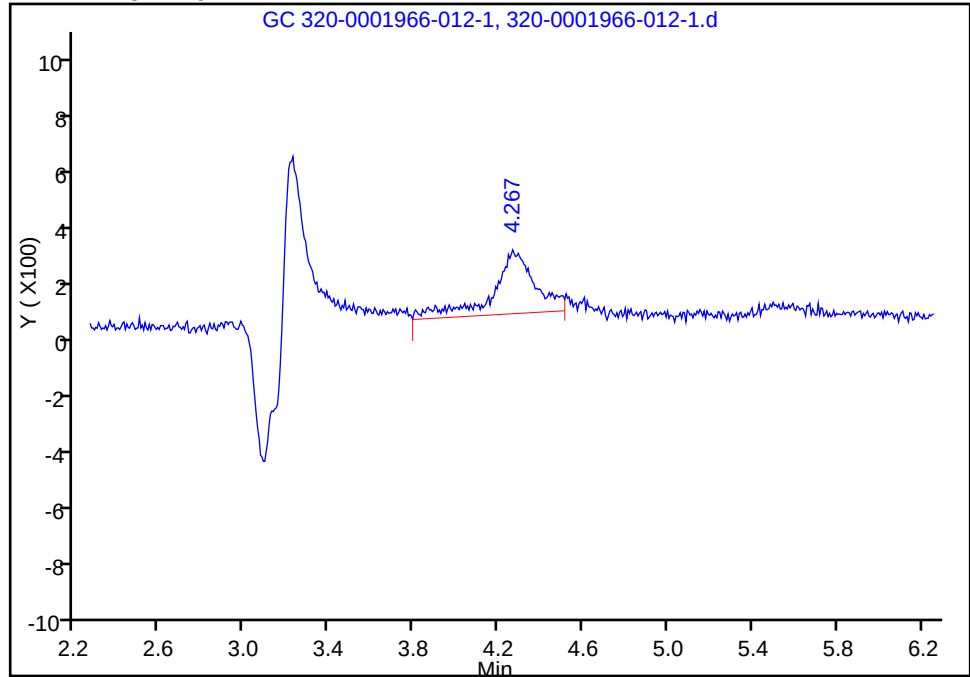
TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-012-1.d		
Injection Date:	26-Dec-2012 15:13:00	Limit Group:	LC 8330 Ngu ICAL
Client ID:		Instrument ID:	PDA1
Lims Batch ID:	7846	Lims Sample ID:	12
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: 4.23

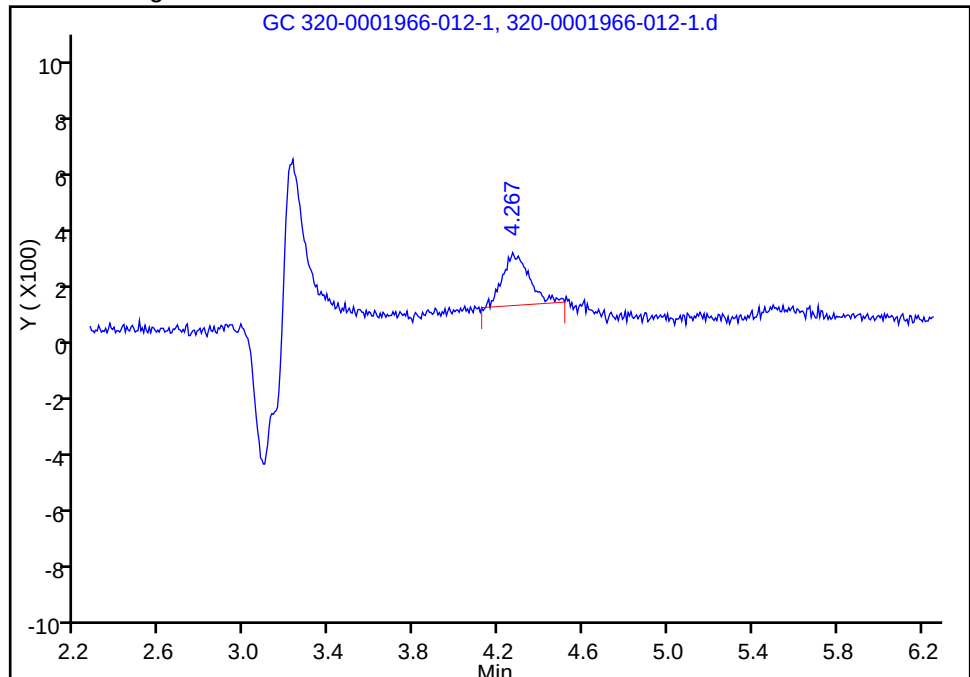
RT: 4.27
Response: 220
Amount: 6.087718

Processing Integration Results



RT: 4.27
Response: 182
Amount: 5.036203

Manual Integration Results



Reviewer: noonanr, 26-Dec-2012 15:39:48
Audit Action: Manually Integrated
Audit Reason: Baseline

FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-18703-1
SDG No.: _____
Lab Sample ID: CCVL 320-7846/13 Calibration Date: 12/26/2012 15:27
Instrument ID: PDA1 Calib Start Date: 12/26/2012 13:18
GC Column: Luna NH2 ID: 4.60 (mm) Calib End Date: 12/26/2012 14:30
Lab File ID: 320-0001966-013-1.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitroguanidine	Ave	36.14	39.30		21.7	20.0	8.7	30.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18703-1
SDG No.: _____
Lab Sample ID: CCVL 320-7846/13 Calibration Date: 12/26/2012 15:27
Instrument ID: PDA1 Calib Start Date: 12/26/2012 13:18
GC Column: Luna NH2 ID: 4.60 (mm) Calib End Date: 12/26/2012 14:30
Lab File ID: 320-0001966-013-1.d

Analyte	RT	RT WINDOW	
		FROM	TO
Nitroguanidine	4.23	3.98	4.48

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-013-1.d
Lims ID: CCVL Client ID:
Inject. Date: 26-Dec-2012 15:27:00 Dil. Factor: 1.0000
Sample Type: CCVL
Sample ID: 320-0001966-013 Analysis
Misc. Info.: none STD05
Operator: RN Instrument ID: PDA1
Injection Vol: 50.0 ul ALS Bottle#: 0
Lims Batch ID: 7846 Lims Sample ID: 13
Sublist: chrom-NGu Primary*sub1
Detector: GC 320-0001966-013-1
Method: \\SACChrom\ChromData\PDA1\20121226-1966.b\NGu Primary.m
Last Update: 26-Dec-2012 15:40:04 Calib Date: 26-Dec-2012 14:30:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-009-1.d
Limit Group: LC 8330 Ngu ICAL
Integrator: Falcon
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm
Process Host: XAWRK028

First Level Reviewer: noonanr

Date: 26-Dec-2012 15:40:04

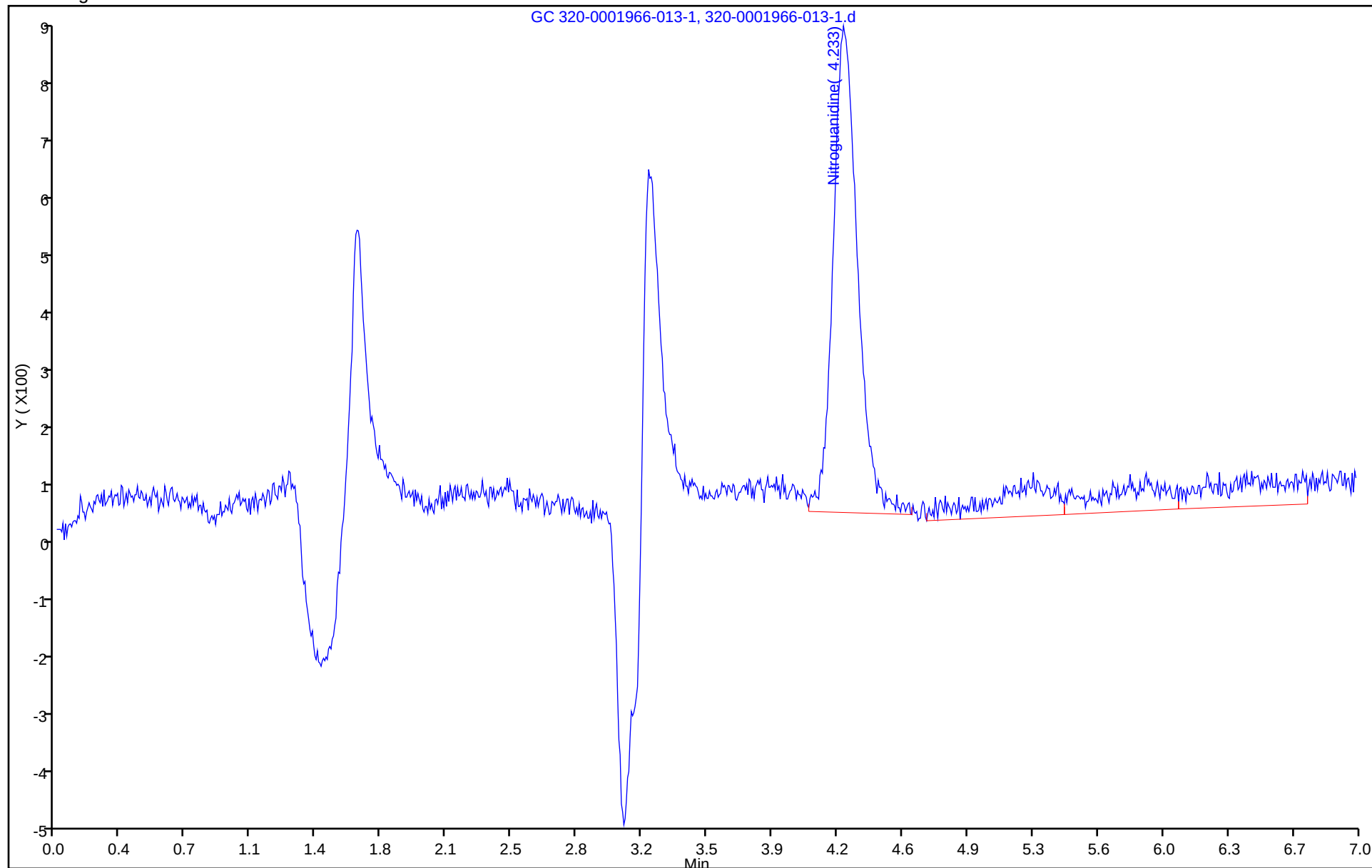
RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags

1 Nitroguanidine
4.233 4.233 0.0 786 21.7

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-013-1.d
Injection Date: 26-Dec-2012 15:27:00 Limit Group: LC 8330 Ngu ICAL
Client ID: Instrument ID: PDA1
Lims Batch ID: 7846 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 VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-18703-1
SDG No.: _____
Lab Sample ID: CCV 320-7855/11 Calibration Date: 12/26/2012 18:05
Instrument ID: PDA1 Calib Start Date: 12/26/2012 13:18
GC Column: Luna NH2 ID: 4.60 (mm) Calib End Date: 12/26/2012 14:30
Lab File ID: 320-0001969-011-1.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitroguanidine	Ave	36.14	36.08		99.8	100	-0.2	15.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18703-1
SDG No.: _____
Lab Sample ID: CCV 320-7855/11 Calibration Date: 12/26/2012 18:05
Instrument ID: PDA1 Calib Start Date: 12/26/2012 13:18
GC Column: Luna NH2 ID: 4.60 (mm) Calib End Date: 12/26/2012 14:30
Lab File ID: 320-0001969-011-1.d

Analyte	RT	RT WINDOW	
		FROM	TO
Nitroguanidine	4.25	4.00	4.50

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\PDA1\20121226-1969.b\320-0001969-011-1.d
Lims ID: ccv 04 Client ID:
Inject. Date: 26-Dec-2012 18:05:00 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 320-0001969-011 Analysis
Misc. Info.: none STD04
Operator: RN Instrument ID: PDA1
Injection Vol: 50.0 ul ALS Bottle#: 0
Lims Batch ID: 7855 Lims Sample ID: 11
Sublist: chrom-NGu Primary*sub1
Detector: GC 320-0001969-011-1
Method: \\SACChrom\ChromData\PDA1\20121226-1969.b\NGu Primary.m
Last Update: 28-Dec-2012 08:20:42 Calib Date: 26-Dec-2012 14:30:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-009-1.d
Limit Group: LC 8330 Ngu ICAL
Integrator: Falcon
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm
Process Host: XAWRK013

First Level Reviewer: noonanr

Date: 28-Dec-2012 08:20:42

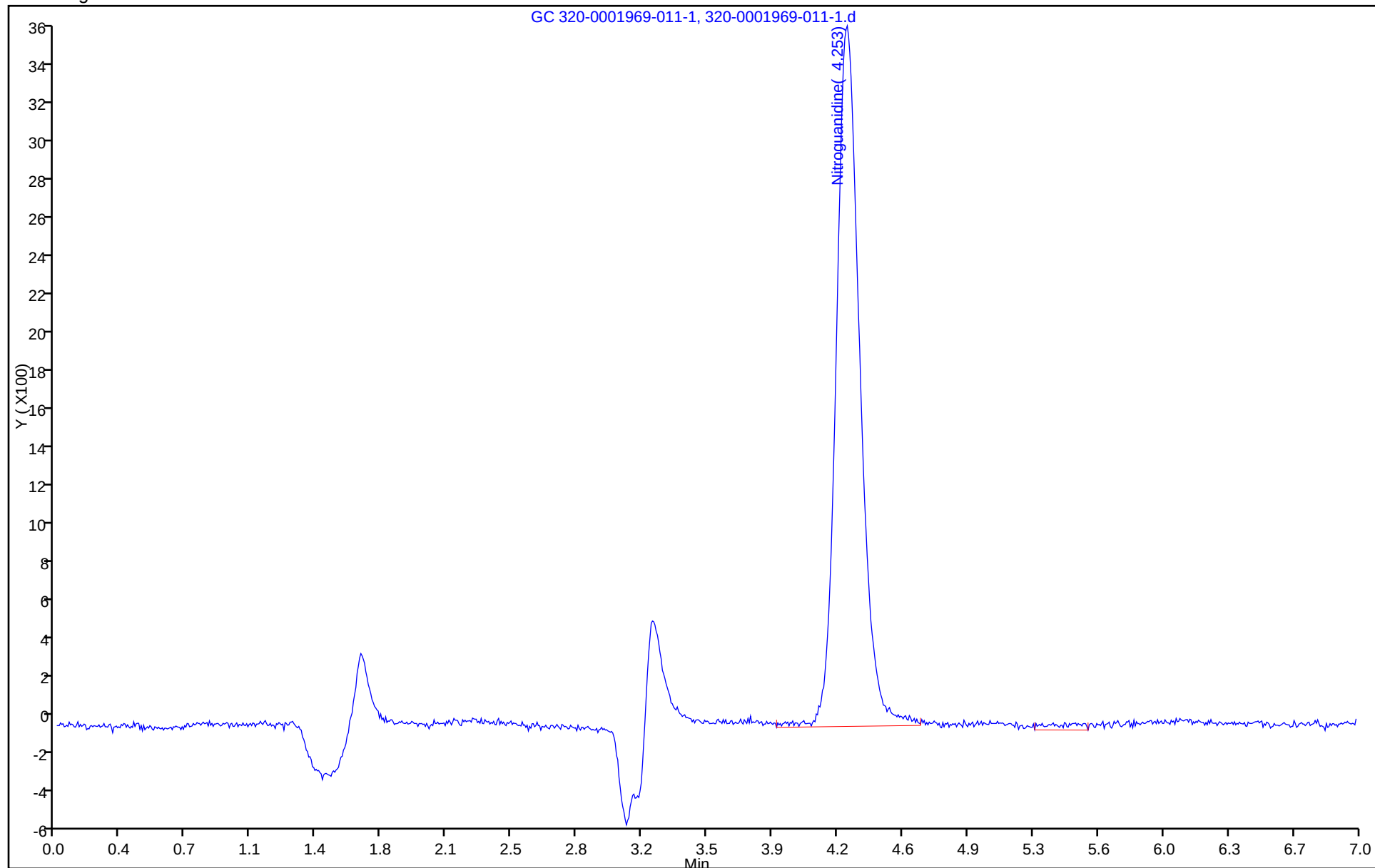
RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags

1 Nitroguanidine
4.253 4.253 0.0 3608 99.8

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\PDA1\20121226-1969.b\320-0001969-011-1.d
Injection Date: 26-Dec-2012 18:05:00 Limit Group: LC 8330 Ngu ICAL
Client ID: Instrument ID: PDA1
Lims Batch ID: 7855 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.: 240-18703-1
SDG No.: _____
Lab Sample ID: CCV 320-7855/22 Calibration Date: 12/26/2012 20:43
Instrument ID: PDA1 Calib Start Date: 12/26/2012 13:18
GC Column: Luna NH2 ID: 4.60 (mm) Calib End Date: 12/26/2012 14:30
Lab File ID: 320-0001969-022-1.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitroguanidine	Ave	36.14	37.20		103	100	2.9	15.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18703-1
SDG No.: _____
Lab Sample ID: CCV 320-7855/22 Calibration Date: 12/26/2012 20:43
Instrument ID: PDA1 Calib Start Date: 12/26/2012 13:18
GC Column: Luna NH2 ID: 4.60 (mm) Calib End Date: 12/26/2012 14:30
Lab File ID: 320-0001969-022-1.d

Analyte	RT	RT WINDOW	
		FROM	TO
Nitroguanidine	4.25	4.00	4.50

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\PDA1\20121226-1969.b\320-0001969-022-1.d
Lims ID: ccv 04 Client ID:
Inject. Date: 26-Dec-2012 20:43:00 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 320-0001969-022 Analysis
Misc. Info.: none STD04
Operator: RN Instrument ID: PDA1
Injection Vol: 50.0 ul ALS Bottle#: 0
Lims Batch ID: 7855 Lims Sample ID: 22
Sublist: chrom-NGu Primary*sub1
Detector: GC 320-0001969-022-1
Method: \\SACChrom\ChromData\PDA1\20121226-1969.b\NGu Primary.m
Last Update: 28-Dec-2012 08:52:11 Calib Date: 26-Dec-2012 14:30:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-009-1.d
Limit Group: LC 8330 Ngu ICAL
Integrator: Falcon
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm
Process Host: XAWRK013

First Level Reviewer: noonanr

Date: 28-Dec-2012 08:52:11

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
1 Nitroguanidine					M
4.247	4.247	0.0	3720	102.9	M

QC Flag Legend

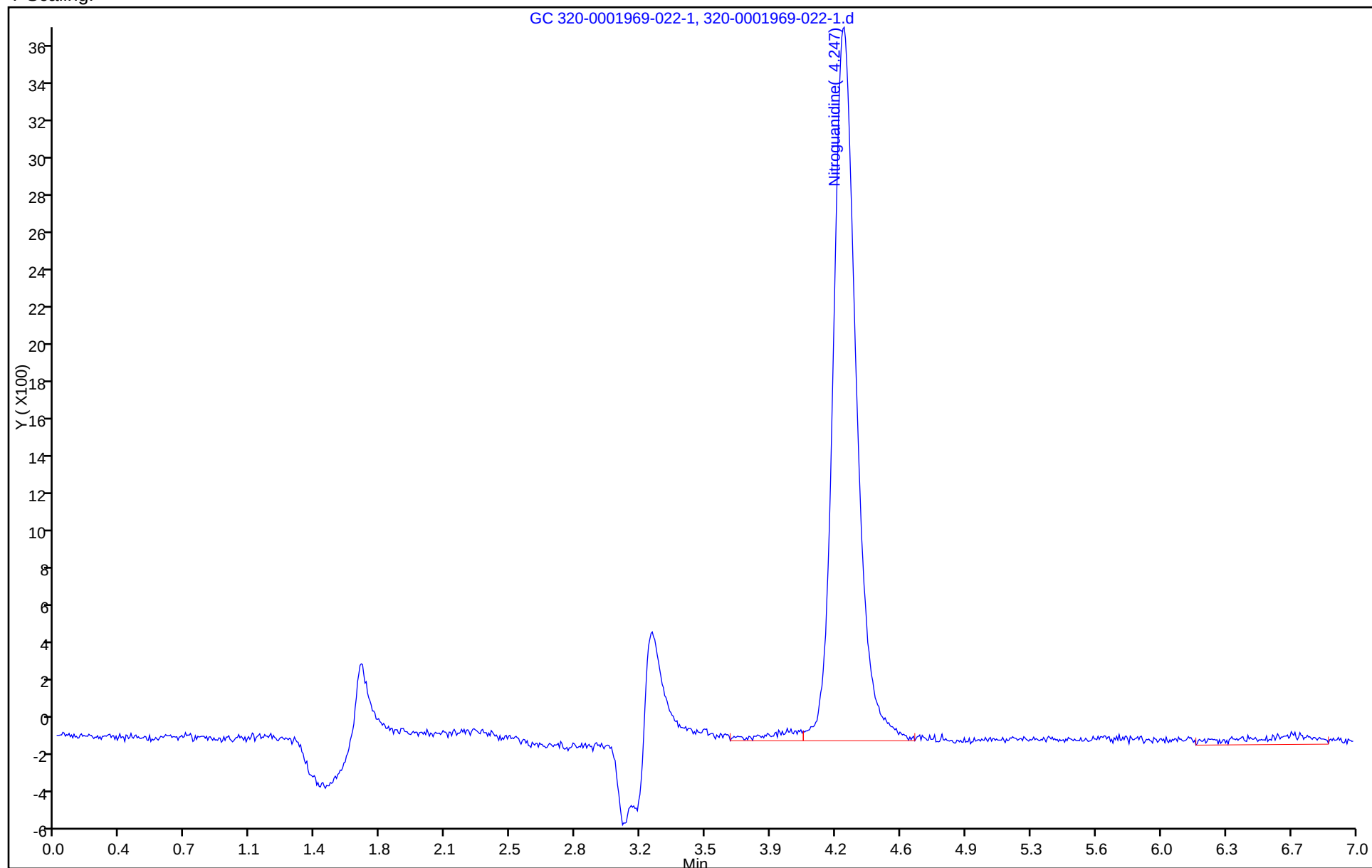
Review Flags

M - Manually Integrated

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\PDA1\20121226-1969.b\320-0001969-022-1.d
Injection Date: 26-Dec-2012 20:43:00 Limit Group: LC 8330 Ngu ICAL
Client ID: Instrument ID: PDA1
Lims Batch ID: 7855 Lims Sample ID: 22
Operator ID: RN Injection Vol: 50.0 ul
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm

Y Scaling:



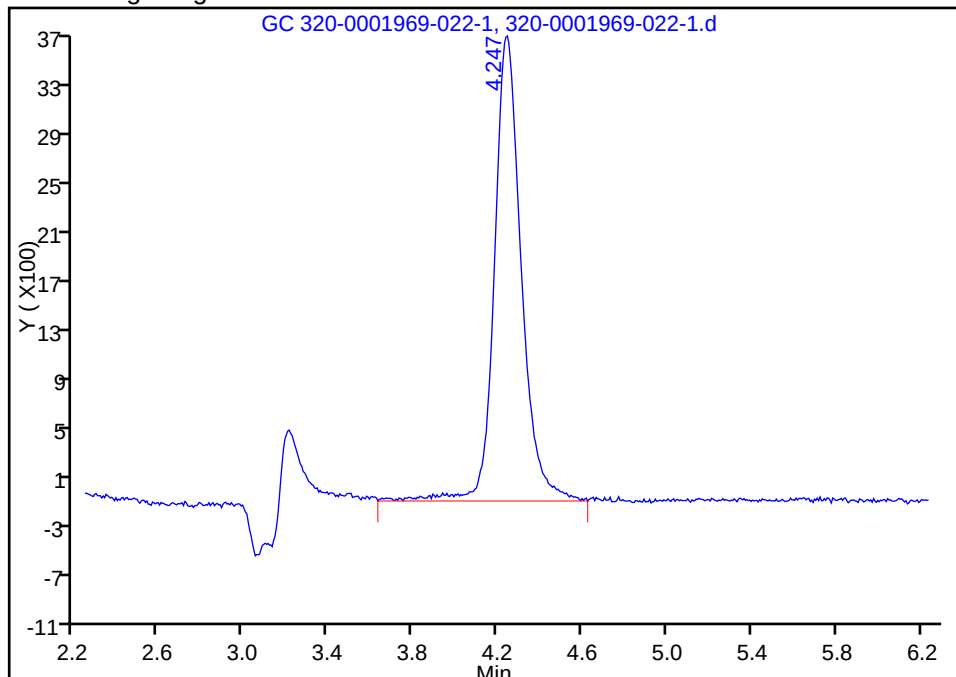
TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\PDA1\20121226-1969.b\320-0001969-022-1.d		
Injection Date:	26-Dec-2012 20:43:00	Limit Group:	LC 8330 Ngu ICAL
Client ID:		Instrument ID:	PDA1
Lims Batch ID:	7855	Lims Sample ID:	22
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

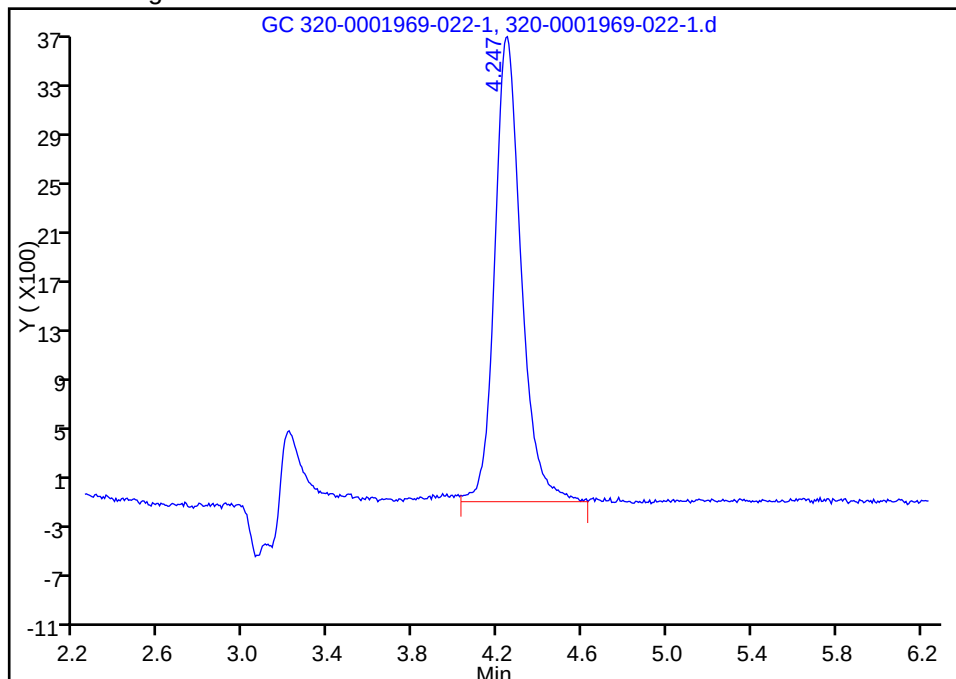
RT: 4.25
Response: 3720
Amount: 102.9378

Processing Integration Results



RT: 4.25
Response: 3720
Amount: 102.9378

Manual Integration Results



Reviewer: noonanr, 28-Dec-2012 08:23:50

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-18703-1
SDG No.: _____
Lab Sample ID: CCV 320-7855/33 Calibration Date: 12/26/2012 23:21
Instrument ID: PDA1 Calib Start Date: 12/26/2012 13:18
GC Column: Luna NH2 ID: 4.60 (mm) Calib End Date: 12/26/2012 14:30
Lab File ID: 320-0001969-033-1.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitroguanidine	Ave	36.14	37.01		102	100	2.4	15.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18703-1
SDG No.: _____
Lab Sample ID: CCV 320-7855/33 Calibration Date: 12/26/2012 23:21
Instrument ID: PDA1 Calib Start Date: 12/26/2012 13:18
GC Column: Luna NH2 ID: 4.60 (mm) Calib End Date: 12/26/2012 14:30
Lab File ID: 320-0001969-033-1.d

Analyte	RT	RT WINDOW	
		FROM	TO
Nitroguanidine	4.25	4.00	4.50

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\PDA1\20121226-1969.b\320-0001969-033-1.d
Lims ID: ccv 04 Client ID:
Inject. Date: 26-Dec-2012 23:21:00 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 320-0001969-033 Analysis
Misc. Info.: none
Operator: RN Instrument ID: PDA1
Injection Vol: 50.0 ul ALS Bottle#: 0
Lims Batch ID: 7855 Lims Sample ID: 33
Sublist: chrom-NGu Primary*sub1
Detector: GC 320-0001969-033-1
Method: \\SACChrom\ChromData\PDA1\20121226-1969.b\NGu Primary.m
Last Update: 28-Dec-2012 08:28:05 Calib Date: 26-Dec-2012 14:30:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-009-1.d
Limit Group: LC 8330 Ngu ICAL
Integrator: Falcon
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm
Process Host: XAWRK013

First Level Reviewer: noonanr

Date: 28-Dec-2012 08:28:05

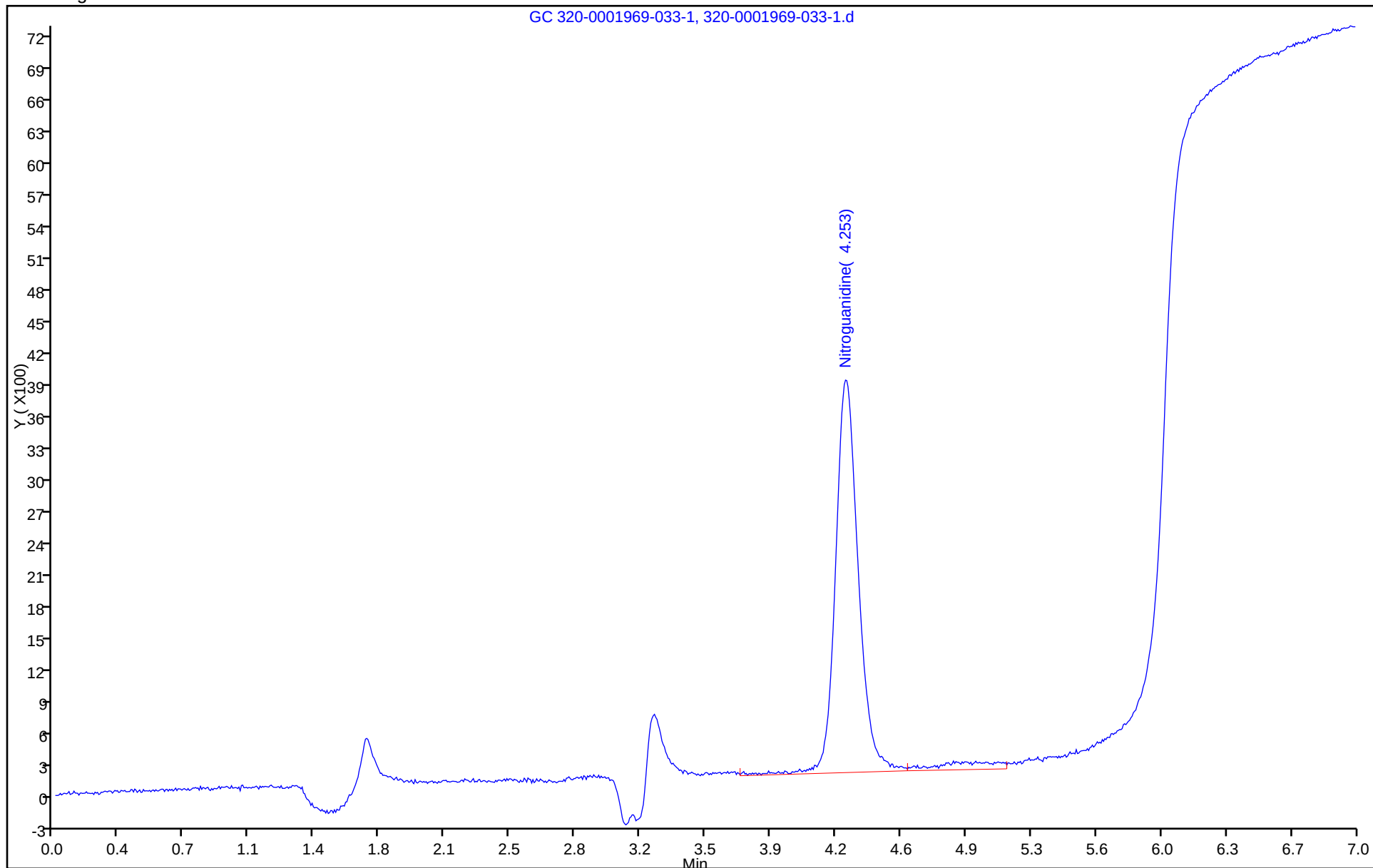
RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags

1 Nitroguanidine
4.253 4.253 0.0 3701 102.4

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\PDA1\20121226-1969.b\320-0001969-033-1.d
Injection Date: 26-Dec-2012 23:21:00 Limit Group: LC 8330 Ngu ICAL
Client ID: Instrument ID: PDA1
Lims Batch ID: 7855 Lims Sample ID: 33
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.: 240-18703-1
SDG No.: _____
Lab Sample ID: CCV 320-7855/42 Calibration Date: 12/27/2012 01:31
Instrument ID: PDA1 Calib Start Date: 12/26/2012 13:18
GC Column: Luna NH2 ID: 4.60 (mm) Calib End Date: 12/26/2012 14:30
Lab File ID: 320-0001969-042-1.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitroguanidine	Ave	36.14	37.68		104	100	4.3	15.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18703-1
SDG No.: _____
Lab Sample ID: CCV 320-7855/42 Calibration Date: 12/27/2012 01:31
Instrument ID: PDA1 Calib Start Date: 12/26/2012 13:18
GC Column: Luna NH2 ID: 4.60 (mm) Calib End Date: 12/26/2012 14:30
Lab File ID: 320-0001969-042-1.d

Analyte	RT	RT WINDOW	
		FROM	TO
Nitroguanidine	4.25	4.00	4.50

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\PDA1\20121226-1969.b\320-0001969-042-1.d
Lims ID: ccv 04 Client ID:
Inject. Date: 27-Dec-2012 01:31:00 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 320-0001969-042 Analysis
Misc. Info.: none
Operator: RN Instrument ID: PDA1
Injection Vol: 50.0 ul ALS Bottle#: 0
Lims Batch ID: 7855 Lims Sample ID: 42
Sublist: chrom-NGu Primary*sub1
Detector: GC 320-0001969-042-1
Method: \\SACChrom\ChromData\PDA1\20121226-1969.b\NGu Primary.m
Last Update: 28-Dec-2012 08:29:36 Calib Date: 26-Dec-2012 14:30:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-009-1.d
Limit Group: LC 8330 Ngu ICAL
Integrator: Falcon
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm
Process Host: XAWRK013

First Level Reviewer: noonanr

Date: 28-Dec-2012 08:29:36

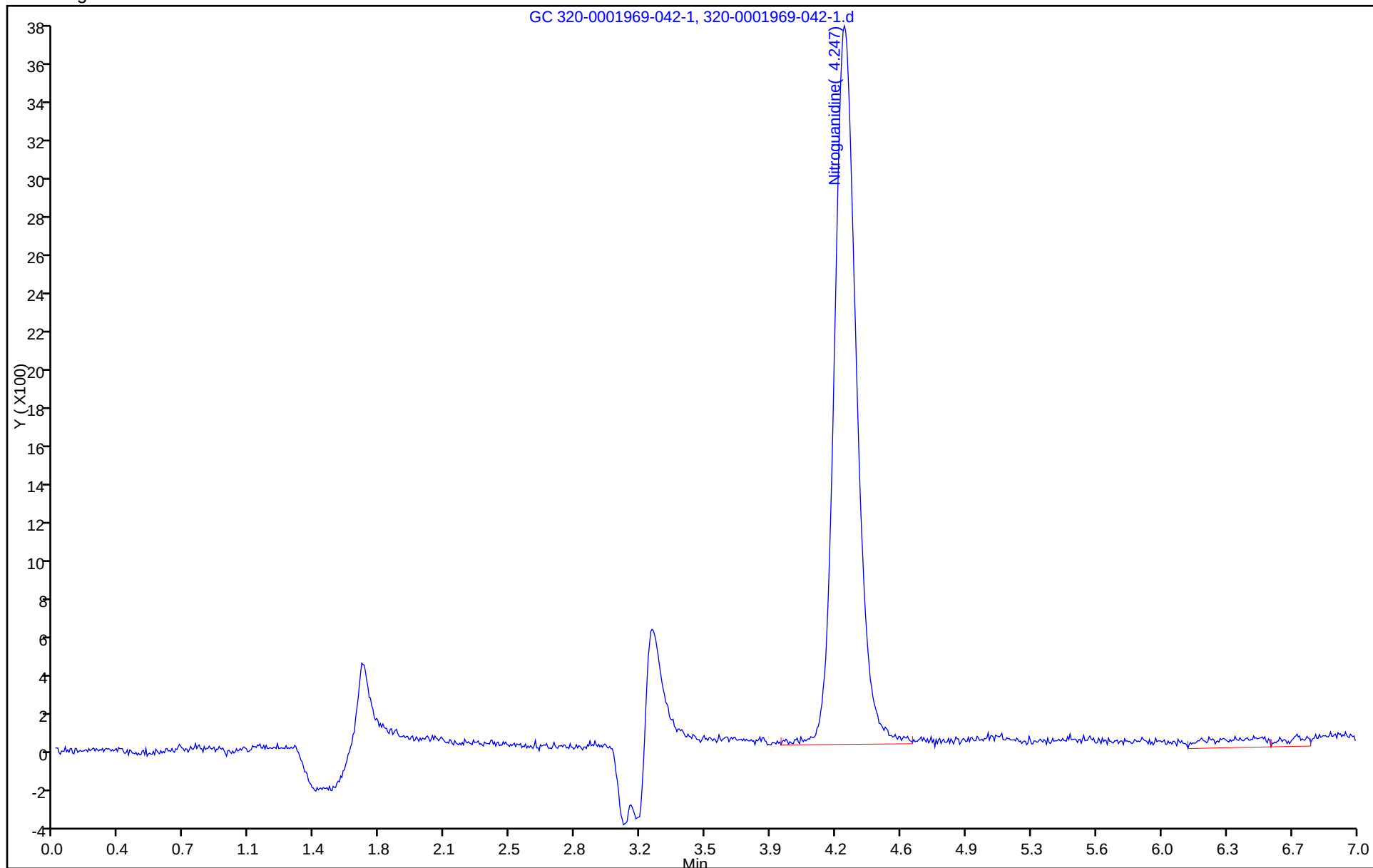
RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags

1 Nitroguanidine
4.247 4.247 0.0 3768 104.3

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\PDA1\20121226-1969.b\320-0001969-042-1.d
Injection Date: 27-Dec-2012 01:31:00 Limit Group: LC 8330 Ngu ICAL
Client ID: Instrument ID: PDA1
Lims Batch ID: 7855 Lims Sample ID: 42
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.: 240-18703-1
SDG No.: _____
Lab Sample ID: CCV 320-7855/51 Calibration Date: 12/27/2012 03:40
Instrument ID: PDA1 Calib Start Date: 12/26/2012 13:18
GC Column: Luna NH2 ID: 4.60 (mm) Calib End Date: 12/26/2012 14:30
Lab File ID: 320-0001969-051-1.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitroguanidine	Ave	36.14	37.86		105	100	4.8	15.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18703-1
SDG No.: _____
Lab Sample ID: CCV 320-7855/51 Calibration Date: 12/27/2012 03:40
Instrument ID: PDA1 Calib Start Date: 12/26/2012 13:18
GC Column: Luna NH2 ID: 4.60 (mm) Calib End Date: 12/26/2012 14:30
Lab File ID: 320-0001969-051-1.d

Analyte	RT	RT WINDOW	
		FROM	TO
Nitroguanidine	4.24	3.99	4.49

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\PDA1\20121226-1969.b\320-0001969-051-1.d
Lims ID: ccv 04 Client ID:
Inject. Date: 27-Dec-2012 03:40:00 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 320-0001969-051 Analysis
Misc. Info.: none
Operator: RN Instrument ID: PDA1
Injection Vol: 50.0 ul ALS Bottle#: 0
Lims Batch ID: 7855 Lims Sample ID: 51
Sublist: chrom-NGu Primary*sub1
Detector: GC 320-0001969-051-1
Method: \\SACChrom\ChromData\PDA1\20121226-1969.b\NGu Primary.m
Last Update: 28-Dec-2012 09:04:18 Calib Date: 26-Dec-2012 14:30:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-009-1.d
Limit Group: LC 8330 Ngu ICAL
Integrator: Falcon
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm
Process Host: XAWRK013

First Level Reviewer: noonanr

Date: 28-Dec-2012 09:04:18

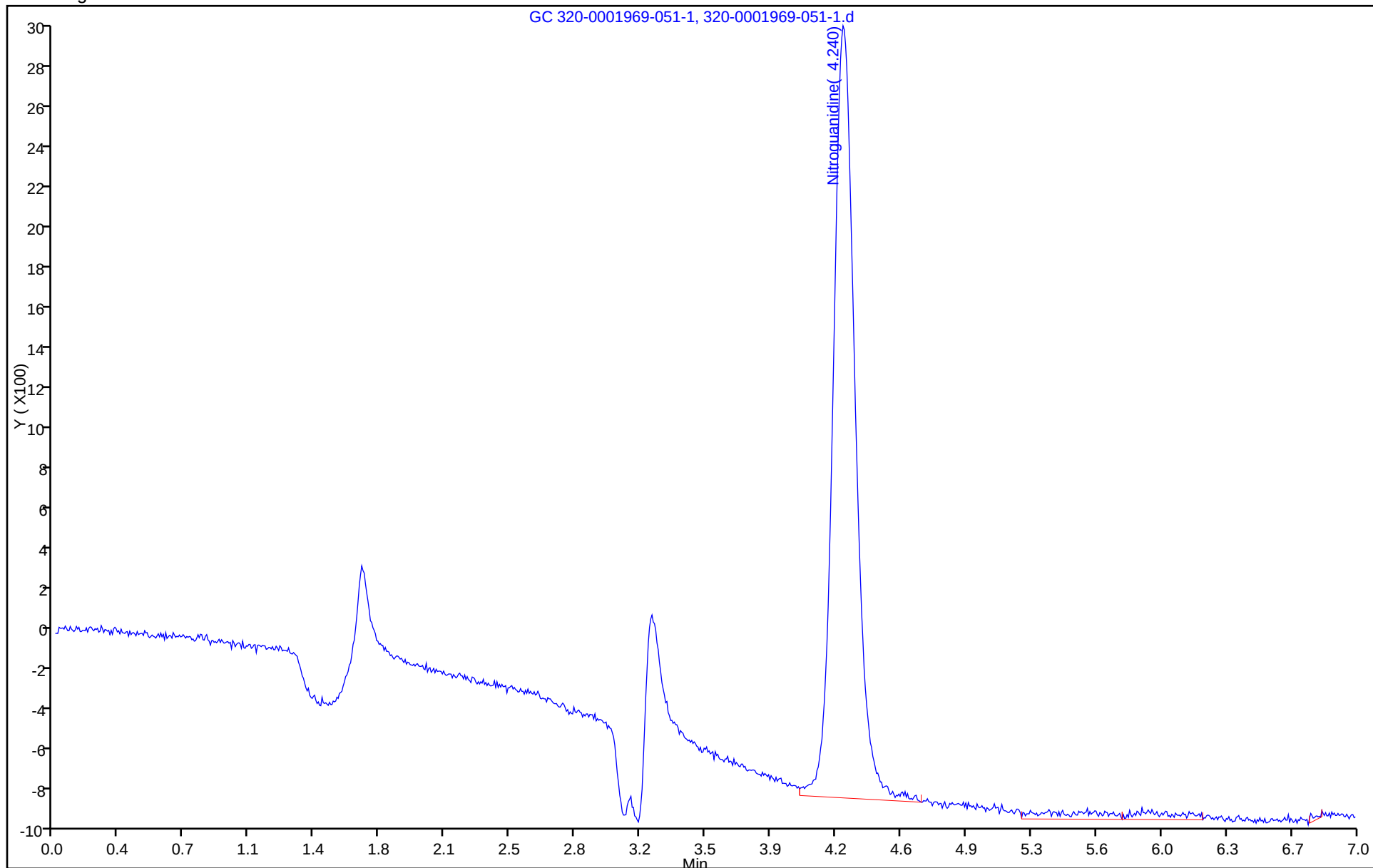
RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags

1 Nitroguanidine
4.240 4.240 0.0 3786 104.8

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\PDA1\20121226-1969.b\320-0001969-051-1.d
Injection Date: 27-Dec-2012 03:40:00 Limit Group: LC 8330 Ngu ICAL
Client ID: Instrument ID: PDA1
Lims Batch ID: 7855 Lims Sample ID: 51
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.: 240-18703-1
SDG No.: _____
Lab Sample ID: CCV 320-7855/58 Calibration Date: 12/27/2012 05:20
Instrument ID: PDA1 Calib Start Date: 12/26/2012 13:18
GC Column: Luna NH2 ID: 4.60 (mm) Calib End Date: 12/26/2012 14:30
Lab File ID: 320-0001969-058-1.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitroguanidine	Ave	36.14	37.59		104	100	4.0	15.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18703-1
SDG No.: _____
Lab Sample ID: CCV 320-7855/58 Calibration Date: 12/27/2012 05:20
Instrument ID: PDA1 Calib Start Date: 12/26/2012 13:18
GC Column: Luna NH2 ID: 4.60 (mm) Calib End Date: 12/26/2012 14:30
Lab File ID: 320-0001969-058-1.d

Analyte	RT	RT WINDOW	
		FROM	TO
Nitroguanidine	4.26	4.01	4.51

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\PDA1\20121226-1969.b\320-0001969-058-1.d
Lims ID: ccv 04 Client ID:
Inject. Date: 27-Dec-2012 05:20:00 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 320-0001969-058 Analysis
Misc. Info.: none
Operator: RN Instrument ID: PDA1
Injection Vol: 50.0 ul ALS Bottle#: 0
Lims Batch ID: 7855 Lims Sample ID: 58
Sublist: chrom-NGu Primary*sub1
Detector: GC 320-0001969-058-1
Method: \\SACChrom\ChromData\PDA1\20121226-1969.b\NGu Primary.m
Last Update: 28-Dec-2012 09:13:22 Calib Date: 26-Dec-2012 14:30:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-009-1.d
Limit Group: LC 8330 Ngu ICAL
Integrator: Falcon
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm
Process Host: XAWRK013

First Level Reviewer: noonanr

Date: 28-Dec-2012 09:13:22

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

1 Nitroguanidine
4.260 4.260 0.0 3759 104.0

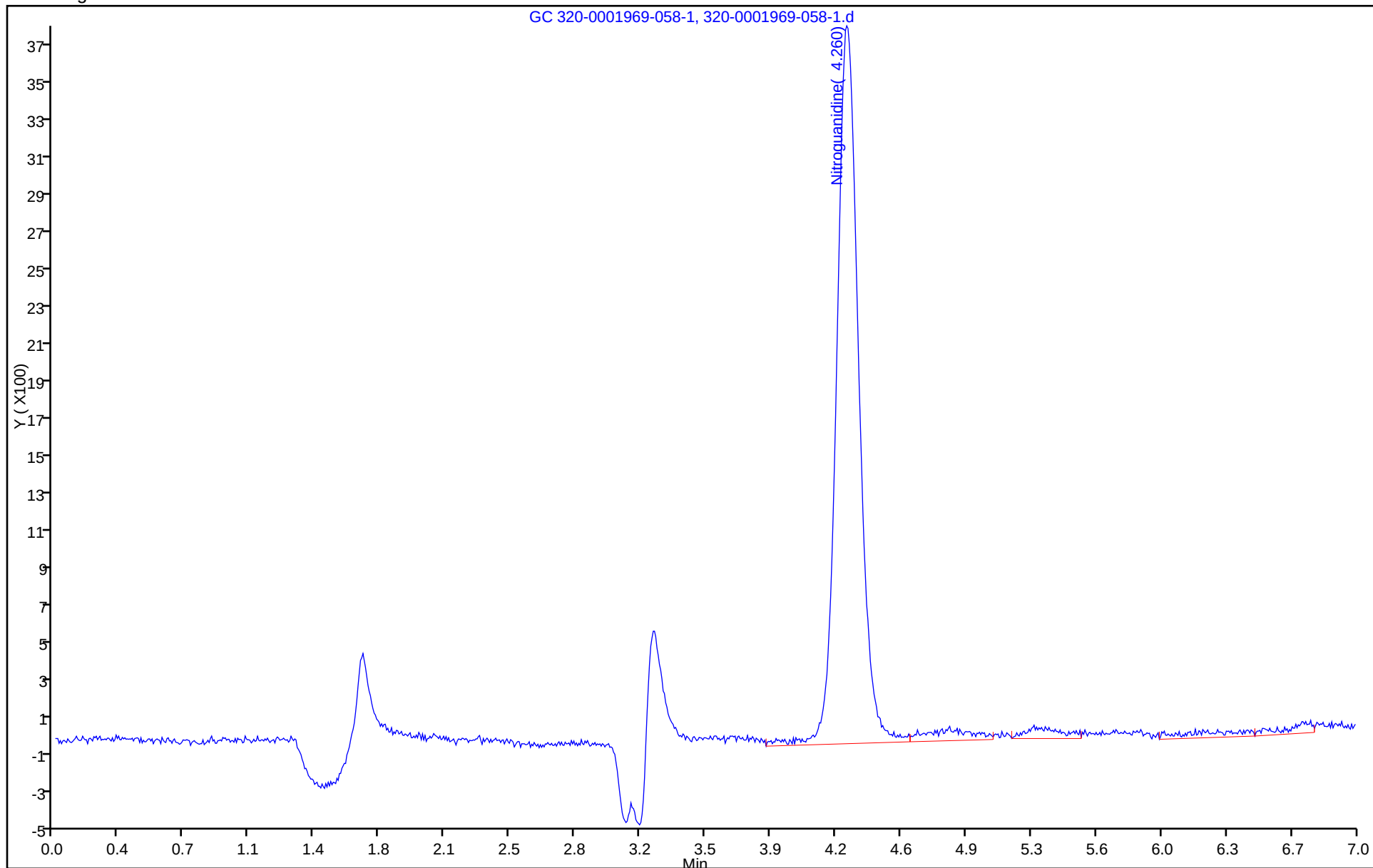
Report Date: 28-Dec-2012 09:13:22

Chrom Revision: 2.1 24-Dec-2012 15:14:58

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\PDA1\20121226-1969.b\320-0001969-058-1.d
Injection Date: 27-Dec-2012 05:20:00 Limit Group: LC 8330 Ngu ICAL
Client ID: Instrument ID: PDA1
Lims Batch ID: 7855 Lims Sample ID: 58
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.: 240-18703-1
SDG No.: _____
Lab Sample ID: CCVL 320-7855/59 Calibration Date: 12/27/2012 05:34
Instrument ID: PDA1 Calib Start Date: 12/26/2012 13:18
GC Column: Luna NH2 ID: 4.60 (mm) Calib End Date: 12/26/2012 14:30
Lab File ID: 320-0001969-059-1.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitroguanidine	Ave	36.14	39.70		22.0	20.0	9.9	30.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18703-1
SDG No.: _____
Lab Sample ID: CCVL 320-7855/59 Calibration Date: 12/27/2012 05:34
Instrument ID: PDA1 Calib Start Date: 12/26/2012 13:18
GC Column: Luna NH2 ID: 4.60 (mm) Calib End Date: 12/26/2012 14:30
Lab File ID: 320-0001969-059-1.d

Analyte	RT	RT WINDOW	
		FROM	TO
Nitroguanidine	4.25	4.00	4.50

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\PDA1\20121226-1969.b\320-0001969-059-1.d
Lims ID: CCVL Client ID:
Inject. Date: 27-Dec-2012 05:34:00 Dil. Factor: 1.0000
Sample Type: CCVL
Sample ID: 320-0001969-059 Analysis
Misc. Info.: none
Operator: RN Instrument ID: PDA1
Injection Vol: 50.0 ul ALS Bottle#: 0
Lims Batch ID: 7855 Lims Sample ID: 59
Sublist: chrom-NGu Primary*sub1
Detector: GC 320-0001969-059-1
Method: \\SACChrom\ChromData\PDA1\20121226-1969.b\NGu Primary.m
Last Update: 28-Dec-2012 09:14:30 Calib Date: 26-Dec-2012 14:30:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-009-1.d
Limit Group: LC 8330 Ngu ICAL
Integrator: Falcon
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm
Process Host: XAWRK013

First Level Reviewer: noonanr

Date: 28-Dec-2012 09:14:30

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

1 Nitroguanidine
4.253 4.253 0.0 794 22.0

Report Date: 28-Dec-2012 09:14:30

Chrom Revision: 2.1 24-Dec-2012 15:14:58

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\PDA1\20121226-1969.b\320-0001969-059-1.d

Injection Date: 27-Dec-2012 05:34:00

Limit Group: LC 8330 Ngu ICAL

Client ID:

Instrument ID: PDA1

Lims Batch ID: 7855

Lims Sample ID: 59

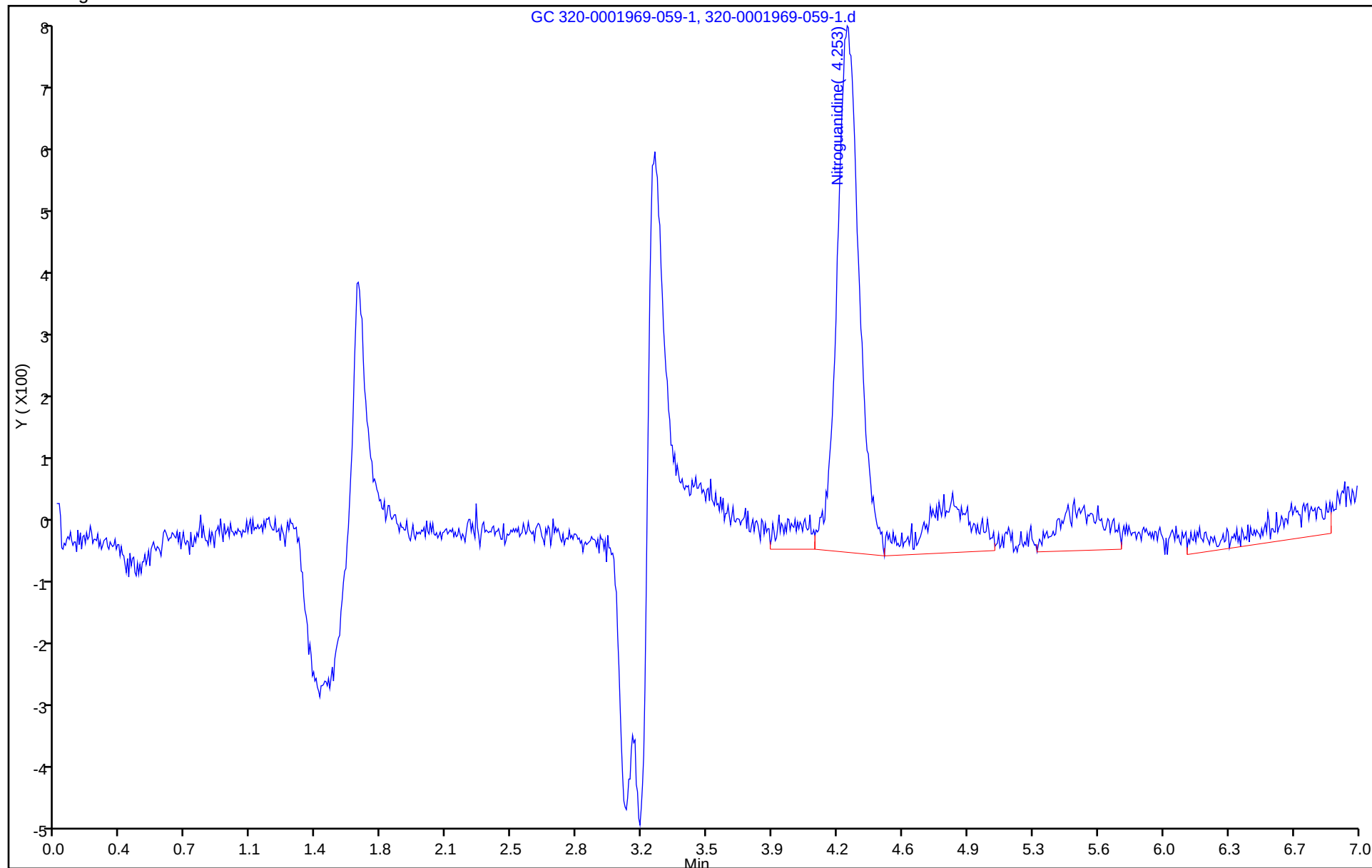
Operator ID: RN

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.: 240-18703-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 320-7464/1-A
Matrix: Solid Lab File ID: 320-0001969-019-1.d
Analysis Method: 8330 Modified Date Collected: _____
Extraction Method: Sieve/Ultrasoni Date Extracted: 12/17/2012 11:57
Sample wt/vol: 2.00(g) Date Analyzed: 12/26/2012 20:00
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.: 7855 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
556-88-7	Nitroguanidine	0.040	U	0.25	0.040	0.020

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\PDA1\20121226-1969.b\320-0001969-019-1.d
Lims ID: MB 320-7464/1-A Client ID:
Inject. Date: 26-Dec-2012 20:00:00 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: 320-0001969-019 Analysis
Misc. Info.: none
Operator: RN Instrument ID: PDA1
Injection Vol: 50.0 ul ALS Bottle#: 0
Lims Batch ID: 7855 Lims Sample ID: 19
Detector: GC 320-0001969-019-1
Method: \\SACChrom\ChromData\PDA1\20121226-1969.b\NGu Primary.m
Last Update: 28-Dec-2012 08:20:42 Calib Date: 26-Dec-2012 14:30:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-009-1.d
Limit Group: LC 8330 Ngu ICAL
Integrator: Falcon
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm
Process Host: XAWRK013

First Level Reviewer: noonanr

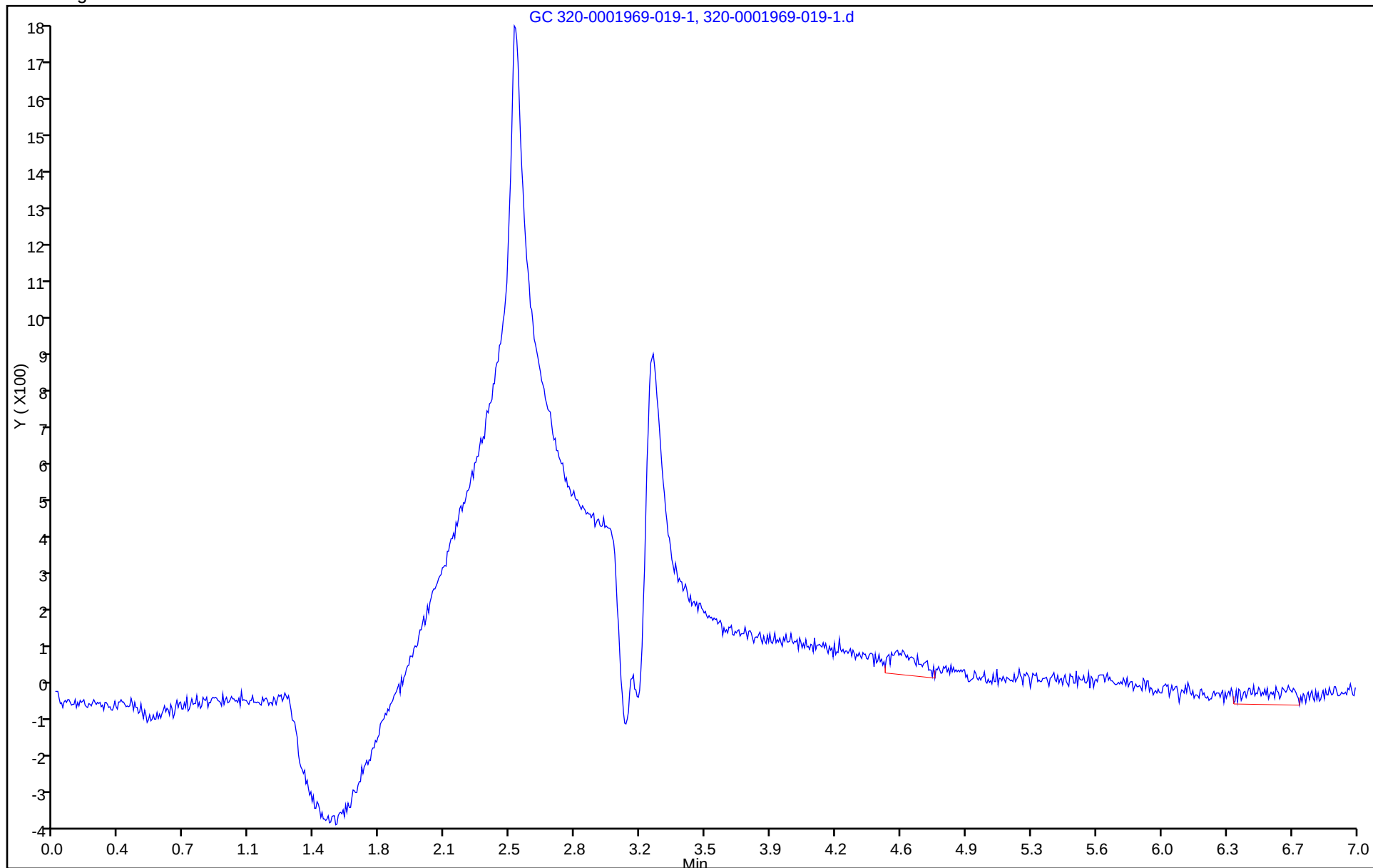
Date: 28-Dec-2012 08:22:03

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

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\PDA1\20121226-1969.b\320-0001969-019-1.d
Injection Date: 26-Dec-2012 20:00:00 Limit Group: LC 8330 Ngu ICAL
Client ID: Instrument ID: PDA1
Lims Batch ID: 7855 Lims Sample ID: 19
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.: 240-18703-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 320-7807/1-A
Matrix: Water Lab File ID: 320-0001969-050-1.d
Analysis Method: 8330 Modified Date Collected: _____
Extraction Method: Filtration Date Extracted: 12/24/2012 12:40
Sample wt/vol: 10 (mL) Date Analyzed: 12/27/2012 03:25
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.: 7855 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 West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\PDA1\20121226-1969.b\320-0001969-050-1.d
Lims ID: MB 320-7807/1-A Client ID:
Inject. Date: 27-Dec-2012 03:25:00 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: 320-0001969-050 Analysis
Misc. Info.: none
Operator: RN Instrument ID: PDA1
Injection Vol: 50.0 ul ALS Bottle#: 0
Lims Batch ID: 7855 Lims Sample ID: 50
Detector: GC 320-0001969-050-1
Method: \\SACChrom\ChromData\PDA1\20121226-1969.b\NGu Primary.m
Last Update: 28-Dec-2012 09:03:26 Calib Date: 26-Dec-2012 14:30:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-009-1.d
Limit Group: LC 8330 Ngu ICAL
Integrator: Falcon
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm
Process Host: XAWRK013

First Level Reviewer: noonanr

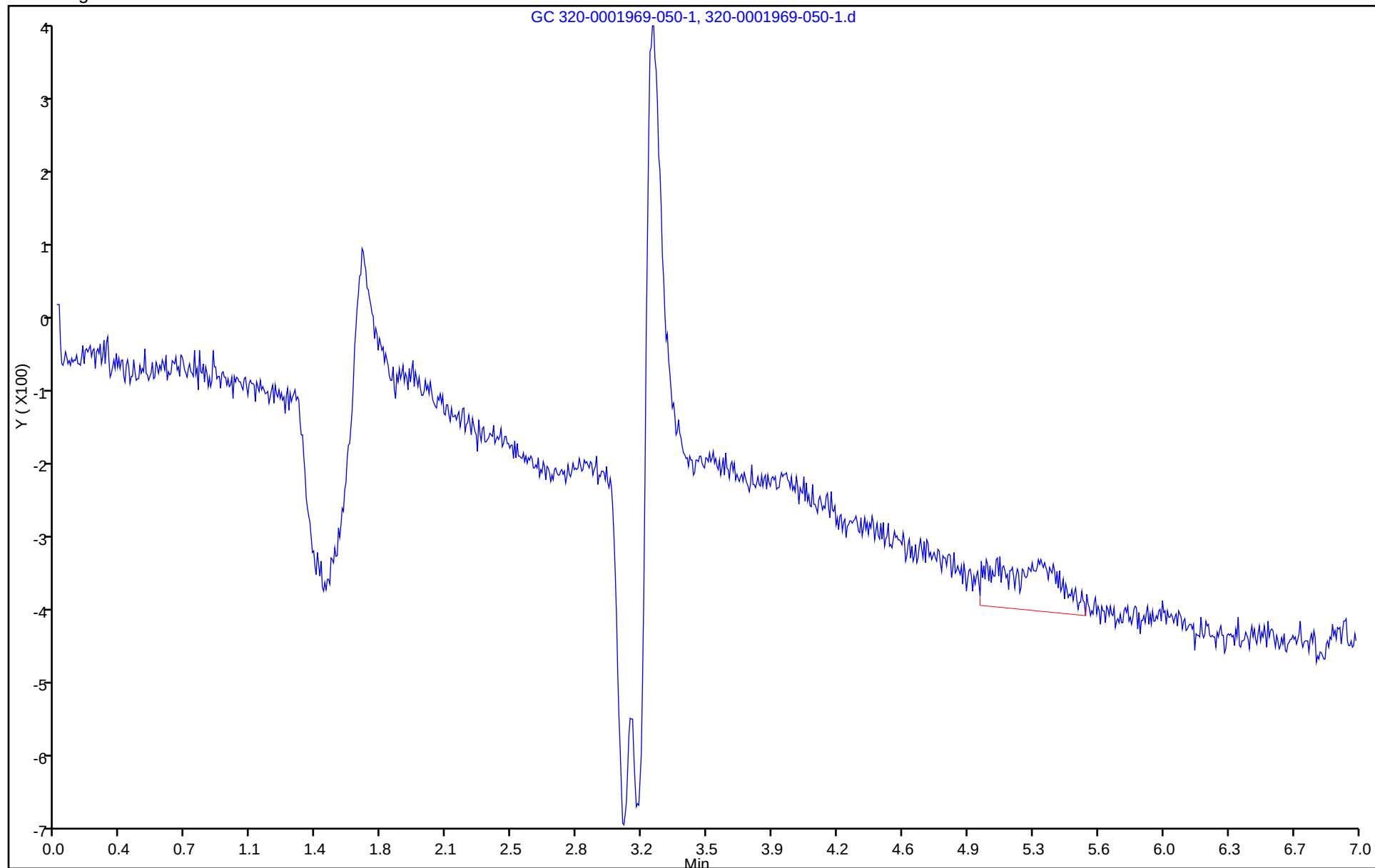
Date: 28-Dec-2012 09:04:05

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

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\PDA1\20121226-1969.b\320-0001969-050-1.d
Injection Date: 27-Dec-2012 03:25:00 Limit Group: LC 8330 Ngu ICAL
Client ID: Instrument ID: PDA1
Lims Batch ID: 7855 Lims Sample ID: 50
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.: 240-18703-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: LCS 320-7464/2-A
Matrix: Solid Lab File ID: 320-0001969-020-1.d
Analysis Method: 8330 Modified Date Collected: _____
Extraction Method: Sieve/Ultrasoni Date Extracted: 12/17/2012 11:57
Sample wt/vol: 2.00(g) Date Analyzed: 12/26/2012 20:14
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.: 7855 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
556-88-7	Nitroguanidine	0.981		0.25	0.040	0.020

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\PDA1\20121226-1969.b\320-0001969-020-1.d
Lims ID: LCS 320-7464/2-A Client ID:
Inject. Date: 26-Dec-2012 20:14:00 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: 320-0001969-020 Analysis
Misc. Info.: none
Operator: RN Instrument ID: PDA1
Injection Vol: 50.0 ul ALS Bottle#: 0
Lims Batch ID: 7855 Lims Sample ID: 20
Detector: GC 320-0001969-020-1
Method: \\SACChrom\ChromData\PDA1\20121226-1969.b\NGu Primary.m
Last Update: 28-Dec-2012 08:23:16 Calib Date: 26-Dec-2012 14:30:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-009-1.d
Limit Group: LC 8330 Ngu ICAL
Integrator: Falcon
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm
Process Host: XAWRK013

First Level Reviewer: noonanr

Date: 28-Dec-2012 08:23:16

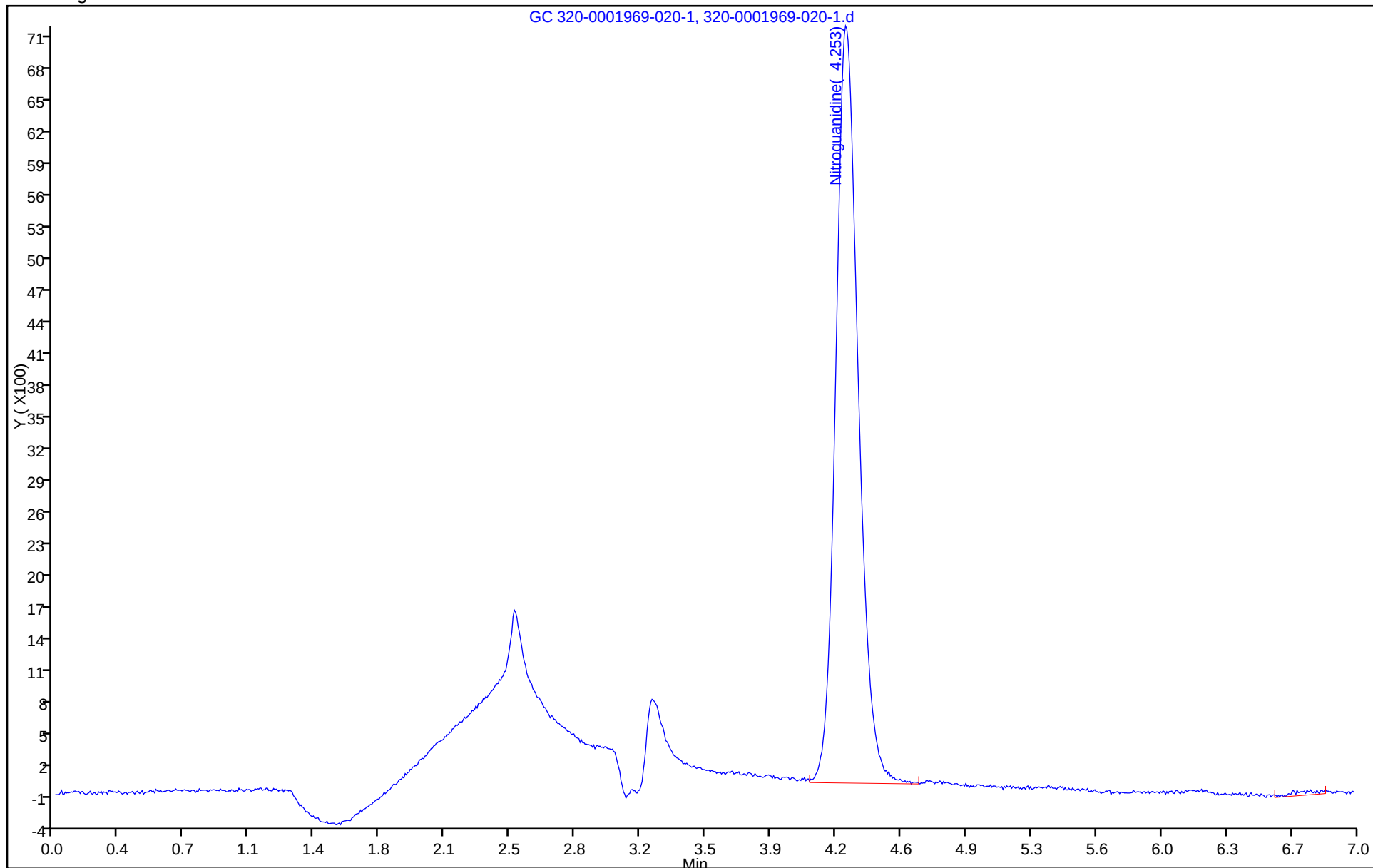
RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags

1 Nitroguanidine
4.253 4.253 0.0 7091 196.2

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\PDA1\20121226-1969.b\320-0001969-020-1.d
Injection Date: 26-Dec-2012 20:14:00 Limit Group: LC 8330 Ngu ICAL
Client ID: Instrument ID: PDA1
Lims Batch ID: 7855 Lims Sample ID: 20
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.: 240-18703-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: LCS 320-7807/2-A
Matrix: Water Lab File ID: 320-0001969-052-1.d
Analysis Method: 8330 Modified Date Collected: _____
Extraction Method: Filtration Date Extracted: 12/24/2012 12:40
Sample wt/vol: 10 (mL) Date Analyzed: 12/27/2012 03:54
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.: 7855 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
556-88-7	Nitroguanidine	255		20	6.0	2.4

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\PDA1\20121226-1969.b\320-0001969-052-1.d
Lims ID: LCS 320-7807/2-A Client ID:
Inject. Date: 27-Dec-2012 03:54:00 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: 320-0001969-052 Analysis
Misc. Info.: none
Operator: RN Instrument ID: PDA1
Injection Vol: 50.0 ul ALS Bottle#: 0
Lims Batch ID: 7855 Lims Sample ID: 52
Detector: GC 320-0001969-052-1
Method: \\SACChrom\ChromData\PDA1\20121226-1969.b\NGu Primary.m
Last Update: 28-Dec-2012 09:05:22 Calib Date: 26-Dec-2012 14:30:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-009-1.d
Limit Group: LC 8330 Ngu ICAL
Integrator: Falcon
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm
Process Host: XAWRK013

First Level Reviewer: noonanr

Date: 28-Dec-2012 09:05:22

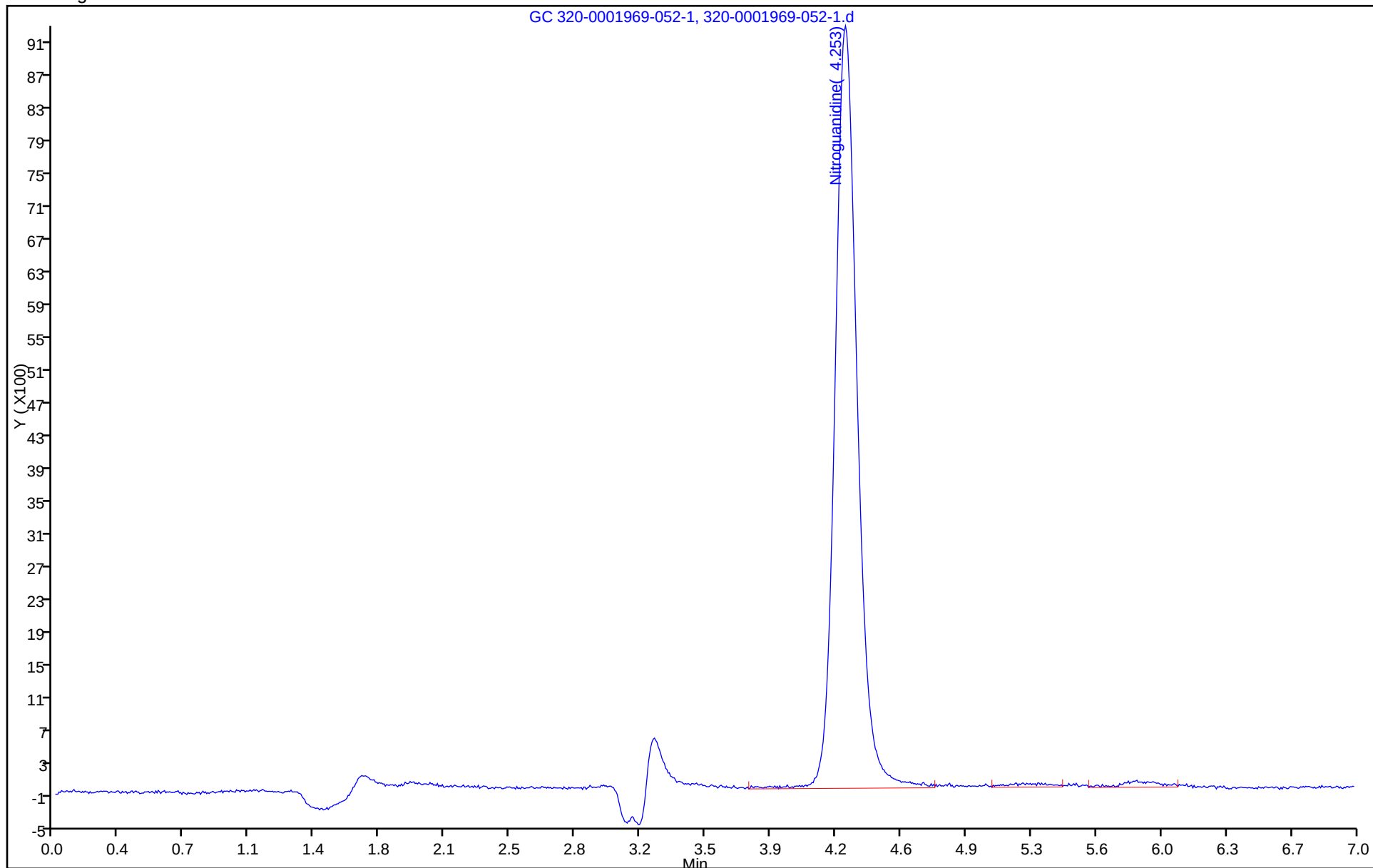
RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags

1 Nitroguanidine
4.253 4.240 0.013 9211 254.9

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\PDA1\20121226-1969.b\320-0001969-052-1.d
Injection Date: 27-Dec-2012 03:54:00 Limit Group: LC 8330 Ngu ICAL
Client ID: Instrument ID: PDA1
Lims Batch ID: 7855 Lims Sample ID: 52
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.: 240-18703-1
SDG No.: _____
Client Sample ID: 076-0140-0001-ER MS Lab Sample ID: 240-18703-24 MS
Matrix: Water Lab File ID: 320-0001969-054-1.d
Analysis Method: 8330 Modified Date Collected: 12/09/2012 10:30
Extraction Method: Filtration Date Extracted: 12/24/2012 12:40
Sample wt/vol: 10 (mL) Date Analyzed: 12/27/2012 04:23
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.: 7855 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
556-88-7	Nitroguanidine	262		20	6.0	2.4

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\PDA1\20121226-1969.b\320-0001969-054-1.d
Lims ID: 240-18703-S-24-B MS Client ID:
Inject. Date: 27-Dec-2012 04:23:00 Dil. Factor: 1.0000
Sample Type: MS
Sample ID: 320-0001969-054 Analysis
Misc. Info.: none
Operator: RN Instrument ID: PDA1
Injection Vol: 50.0 ul ALS Bottle#: 0
Lims Batch ID: 7855 Lims Sample ID: 54
Detector: GC 320-0001969-054-1
Method: \\SACChrom\ChromData\PDA1\20121226-1969.b\NGu Primary.m
Last Update: 28-Dec-2012 09:05:22 Calib Date: 26-Dec-2012 14:30:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-009-1.d
Limit Group: LC 8330 Ngu ICAL
Integrator: Falcon
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm
Process Host: XAWRK013

First Level Reviewer: noonanr

Date: 28-Dec-2012 09:05:45

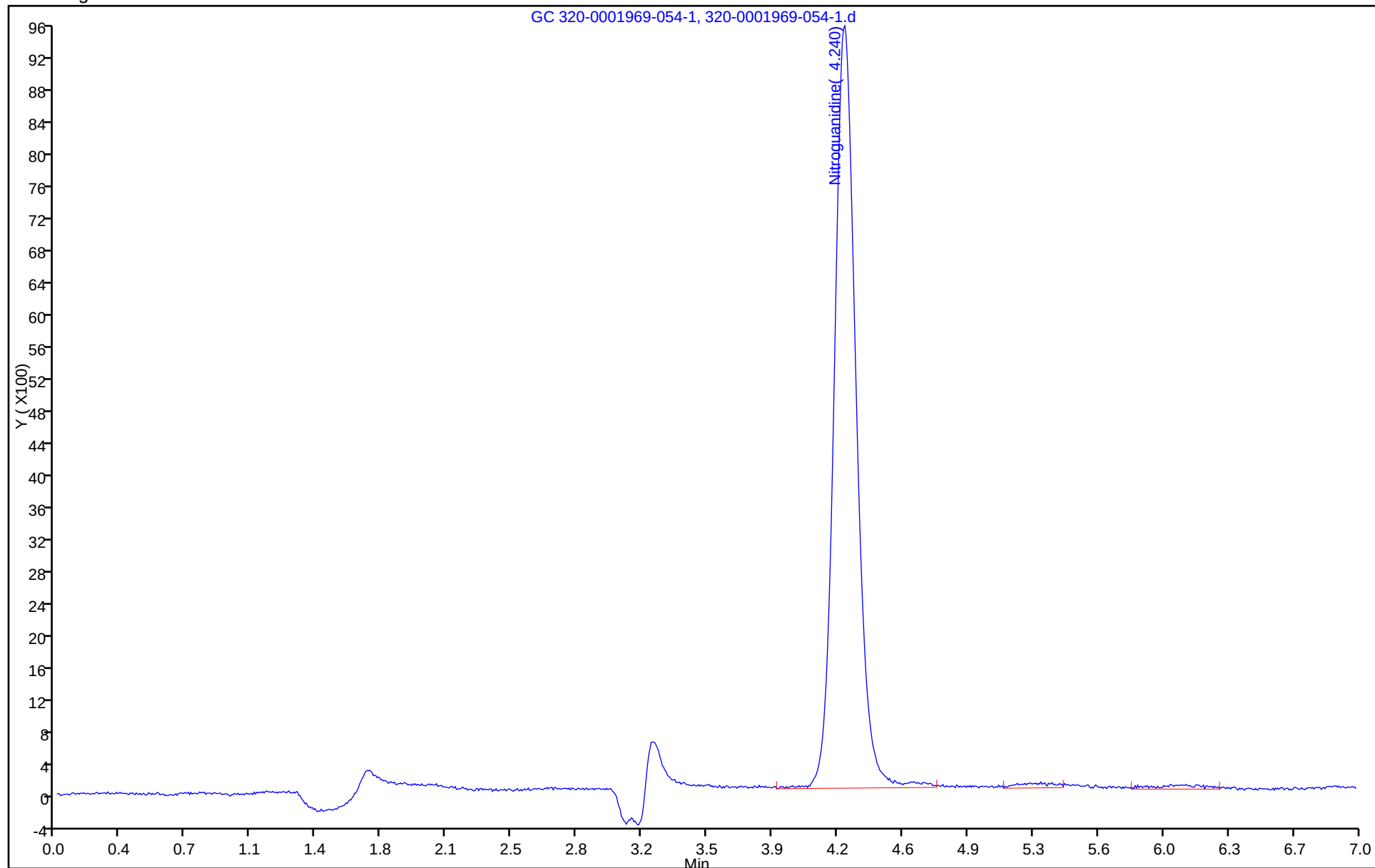
RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags

1 Nitroguanidine
4.240 4.240 0.0 9482 262.4

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\PDA1\20121226-1969.b\320-0001969-054-1.d
Injection Date: 27-Dec-2012 04:23:00 Limit Group: LC 8330 Ngu ICAL
Client ID: Instrument ID: PDA1
Lims Batch ID: 7855 Lims Sample ID: 54
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.: 240-18703-1
SDG No.: _____
Client Sample ID: 076-0140-0001-ER MSD Lab Sample ID: 240-18703-24 MSD
Matrix: Water Lab File ID: 320-0001969-055-1.d
Analysis Method: 8330 Modified Date Collected: 12/09/2012 10:30
Extraction Method: Filtration Date Extracted: 12/24/2012 12:40
Sample wt/vol: 10 (mL) Date Analyzed: 12/27/2012 04:37
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.: 7855 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
556-88-7	Nitroguanidine	259		20	6.0	2.4

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\PDA1\20121226-1969.b\320-0001969-055-1.d
Lims ID: 240-18703-S-24-C MSD Client ID:
Inject. Date: 27-Dec-2012 04:37:00 Dil. Factor: 1.0000
Sample Type: MSD
Sample ID: 320-0001969-055 Analysis
Misc. Info.: none
Operator: RN Instrument ID: PDA1
Injection Vol: 50.0 ul ALS Bottle#: 0
Lims Batch ID: 7855 Lims Sample ID: 55
Detector: GC 320-0001969-055-1
Method: \\SACChrom\ChromData\PDA1\20121226-1969.b\NGu Primary.m
Last Update: 28-Dec-2012 09:09:44 Calib Date: 26-Dec-2012 14:30:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-009-1.d
Limit Group: LC 8330 Ngu ICAL
Integrator: Falcon
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm
Process Host: XAWRK013

First Level Reviewer: noonanr

Date: 28-Dec-2012 09:09:44

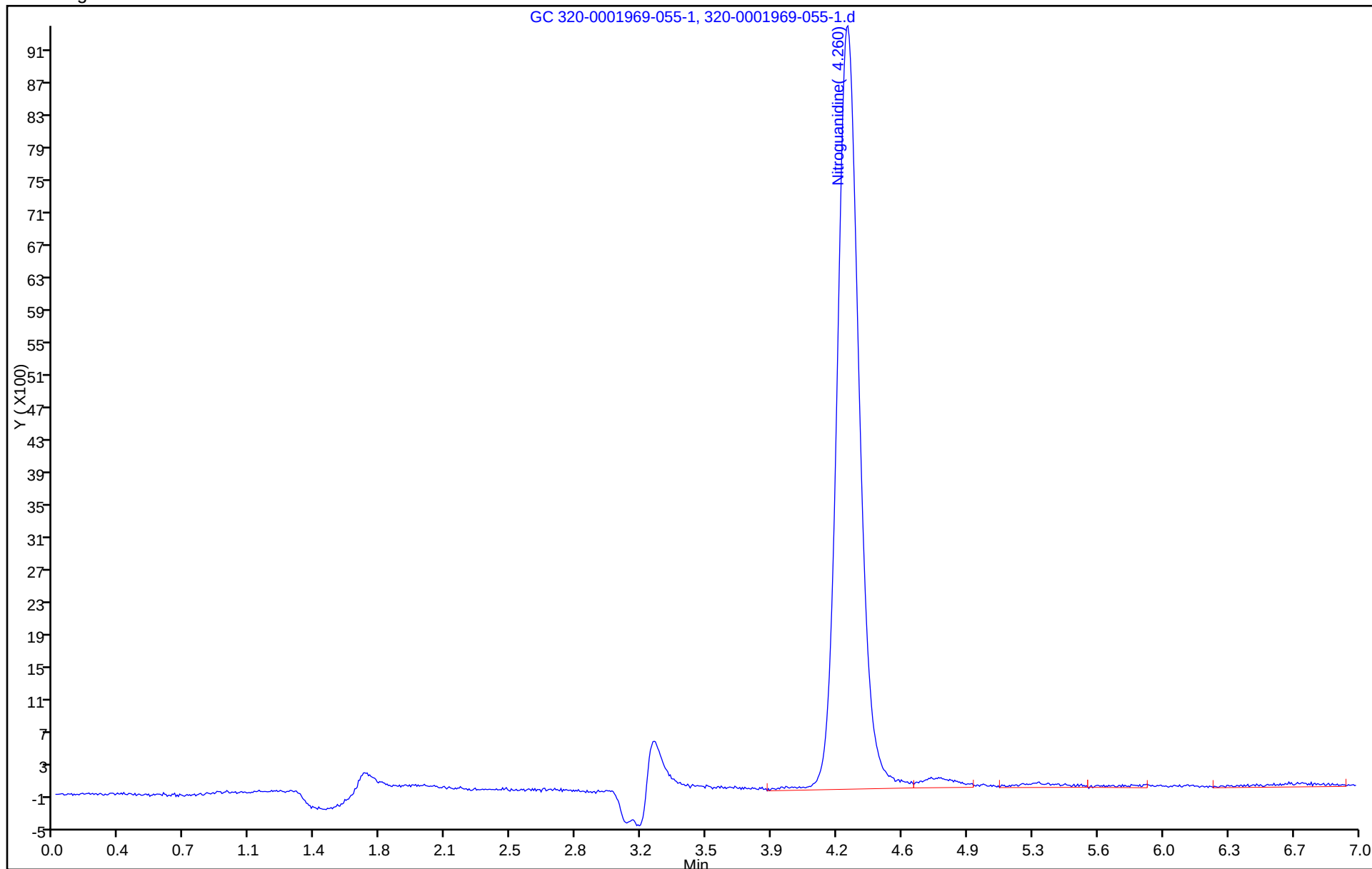
RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags

1 Nitroguanidine
4.260 4.240 0.020 9348 258.7

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\PDA1\20121226-1969.b\320-0001969-055-1.d
Injection Date: 27-Dec-2012 04:37:00 Limit Group: LC 8330 Ngu ICAL
Client ID: Instrument ID: PDA1
Lims Batch ID: 7855 Lims Sample ID: 55
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.: 240-18703-1

SDG No.: _____

Instrument ID: PDA1 Start Date: 12/26/2012 13:04Analysis Batch Number: 7846 End Date: 12/26/2012 15:27

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		12/26/2012 13:04	1		Luna NH2 4.6 (mm)
STD02 320-7846/4 IC		12/26/2012 13:18	1	320-0001966-004 -1.d	Luna NH2 4.6 (mm)
STD03 320-7846/5 IC		12/26/2012 13:32	1	320-0001966-005 -1.d	Luna NH2 4.6 (mm)
STD04 320-7846/6 IC		12/26/2012 13:47	1	320-0001966-006 -1.d	Luna NH2 4.6 (mm)
STD05 320-7846/7 IC		12/26/2012 14:01	1	320-0001966-007 -1.d	Luna NH2 4.6 (mm)
STD06 320-7846/8 IC		12/26/2012 14:15	1	320-0001966-008 -1.d	Luna NH2 4.6 (mm)
STD07 320-7846/9 IC		12/26/2012 14:30	1	320-0001966-009 -1.d	Luna NH2 4.6 (mm)
ZZZZZ		12/26/2012 14:44	1		Luna NH2 4.6 (mm)
ICV 320-7846/11		12/26/2012 14:58	1	320-0001966-011 -1.d	Luna NH2 4.6 (mm)
LODV 320-7846/12		12/26/2012 15:13	1	320-0001966-012 -1.d	Luna NH2 4.6 (mm)
CCVL 320-7846/13		12/26/2012 15:27	1	320-0001966-013 -1.d	Luna NH2 4.6 (mm)

HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica SacramentoJob No.: 240-18703-1

SDG No.: _____

Instrument ID: PDA1Start Date: 12/26/2012 15:41Analysis Batch Number: 7855End Date: 12/27/2012 05:34

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		12/26/2012 15:41	1		Luna NH2 4.6 (mm)
ZZZZZ		12/26/2012 15:56	1		Luna NH2 4.6 (mm)
ZZZZZ		12/26/2012 16:10	1		Luna NH2 4.6 (mm)
ZZZZZ		12/26/2012 16:24	1		Luna NH2 4.6 (mm)
ZZZZZ		12/26/2012 16:39	1		Luna NH2 4.6 (mm)
ZZZZZ		12/26/2012 16:53	1		Luna NH2 4.6 (mm)
ZZZZZ		12/26/2012 17:08	1		Luna NH2 4.6 (mm)
ZZZZZ		12/26/2012 17:22	1		Luna NH2 4.6 (mm)
ZZZZZ		12/26/2012 17:36	1		Luna NH2 4.6 (mm)
ZZZZZ		12/26/2012 17:51	1		Luna NH2 4.6 (mm)
CCV 320-7855/11		12/26/2012 18:05	1	320-0001969-011 -1.d	Luna NH2 4.6 (mm)
ZZZZZ		12/26/2012 18:19	1		Luna NH2 4.6 (mm)
ZZZZZ		12/26/2012 18:34	1		Luna NH2 4.6 (mm)
ZZZZZ		12/26/2012 18:48	1		Luna NH2 4.6 (mm)
ZZZZZ		12/26/2012 19:03	1		Luna NH2 4.6 (mm)
ZZZZZ		12/26/2012 19:17	1		Luna NH2 4.6 (mm)
ZZZZZ		12/26/2012 19:31	1		Luna NH2 4.6 (mm)
ZZZZZ		12/26/2012 19:46	1		Luna NH2 4.6 (mm)
MB 320-7464/1-A		12/26/2012 20:00	1	320-0001969-019 -1.d	Luna NH2 4.6 (mm)
LCS 320-7464/2-A		12/26/2012 20:14	1	320-0001969-020 -1.d	Luna NH2 4.6 (mm)
ZZZZZ		12/26/2012 20:29	1		Luna NH2 4.6 (mm)
CCV 320-7855/22		12/26/2012 20:43	1	320-0001969-022 -1.d	Luna NH2 4.6 (mm)
ZZZZZ		12/26/2012 20:58	1		Luna NH2 4.6 (mm)
ZZZZZ		12/26/2012 21:12	1		Luna NH2 4.6 (mm)
ZZZZZ		12/26/2012 21:26	1		Luna NH2 4.6 (mm)
ZZZZZ		12/26/2012 21:41	1		Luna NH2 4.6 (mm)
ZZZZZ		12/26/2012 21:55	1		Luna NH2 4.6 (mm)
ZZZZZ		12/26/2012 22:09	1		Luna NH2 4.6 (mm)
ZZZZZ		12/26/2012 22:24	1		Luna NH2 4.6 (mm)
ZZZZZ		12/26/2012 22:38	1		Luna NH2 4.6 (mm)
ZZZZZ		12/26/2012 22:53	1		Luna NH2 4.6 (mm)
ZZZZZ		12/26/2012 23:07	1		Luna NH2 4.6 (mm)
CCV 320-7855/33		12/26/2012 23:21	1	320-0001969-033 -1.d	Luna NH2 4.6 (mm)
ZZZZZ		12/26/2012 23:36	1		Luna NH2 4.6 (mm)
ZZZZZ		12/26/2012 23:50	1		Luna NH2 4.6 (mm)
ZZZZZ		12/27/2012 00:04	1		Luna NH2 4.6 (mm)
ZZZZZ		12/27/2012 00:19	1		Luna NH2 4.6 (mm)
ZZZZZ		12/27/2012 00:33	1		Luna NH2 4.6 (mm)
ZZZZZ		12/27/2012 00:47	1		Luna NH2 4.6 (mm)
240-18703-8	072SB-0082-0001-SO	12/27/2012 01:02	1	320-0001969-040 -1.d	Luna NH2 4.6 (mm)
240-18703-18	072SB-0075-0001-SO	12/27/2012 01:16	1	320-0001969-041 -1.d	Luna NH2 4.6 (mm)

HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica Sacramento Job No.: 240-18703-1

SDG No.: _____

Instrument ID: PDA1 Start Date: 12/26/2012 15:41Analysis Batch Number: 7855 End Date: 12/27/2012 05:34

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 320-7855/42		12/27/2012 01:31	1	320-0001969-042 -1.d	Luna NH2 4.6 (mm)
ZZZZZ		12/27/2012 01:45	1		Luna NH2 4.6 (mm)
ZZZZZ		12/27/2012 01:59	1		Luna NH2 4.6 (mm)
ZZZZZ		12/27/2012 02:14	1		Luna NH2 4.6 (mm)
ZZZZZ		12/27/2012 02:28	1		Luna NH2 4.6 (mm)
ZZZZZ		12/27/2012 02:42	1		Luna NH2 4.6 (mm)
ZZZZZ		12/27/2012 02:57	1		Luna NH2 4.6 (mm)
ZZZZZ		12/27/2012 03:11	1		Luna NH2 4.6 (mm)
MB 320-7807/1-A		12/27/2012 03:25	1	320-0001969-050 -1.d	Luna NH2 4.6 (mm)
CCV 320-7855/51		12/27/2012 03:40	1	320-0001969-051 -1.d	Luna NH2 4.6 (mm)
LCS 320-7807/2-A		12/27/2012 03:54	1	320-0001969-052 -1.d	Luna NH2 4.6 (mm)
240-18703-24	076-0140-0001-ER	12/27/2012 04:08	1	320-0001969-053 -1.d	Luna NH2 4.6 (mm)
240-18703-24 MS	076-0140-0001-ER MS	12/27/2012 04:23	1	320-0001969-054 -1.d	Luna NH2 4.6 (mm)
240-18703-24 MSD	076-0140-0001-ER MSD	12/27/2012 04:37	1	320-0001969-055 -1.d	Luna NH2 4.6 (mm)
ZZZZZ		12/27/2012 04:51	1		Luna NH2 4.6 (mm)
ZZZZZ		12/27/2012 05:06	1		Luna NH2 4.6 (mm)
CCV 320-7855/58		12/27/2012 05:20	1	320-0001969-058 -1.d	Luna NH2 4.6 (mm)
CCVL 320-7855/59		12/27/2012 05:34	1	320-0001969-059 -1.d	Luna NH2 4.6 (mm)

HPLC/IC BATCH WORKSHEET

Lab Name: TestAmerica Sacramento Job No.: 240-18703-1

SDG No.: _____

Batch Number: 7464 Batch Start Date: 12/17/12 11:57 Batch Analyst: Arauz, HoracioBatch Method: Sieve/Ultrasoni Batch End Date: 12/18/12 11:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	HPNQSP 00006			
MB 320-7464/1		Sieve/Ultrasoni, 8330 Modified		2.00 g	10 mL				
LCS 320-7464/2		Sieve/Ultrasoni, 8330 Modified		2.00 g	10 mL	40 uL			
240-18703-I-8	072SB-0082-0001-SO	Sieve/Ultrasoni, 8330 Modified	T	2.04 g	10 mL				
240-18703-L-18	072SB-0075-0001-SO	Sieve/Ultrasoni, 8330 Modified	T	1.99 g	10 mL				

Batch Notes	
Balance ID	QA-070
Calcium Chloride Reagent ID	CaCL2_00004
Date of Clean up	12/18/12
Analyst performed Clean Up	NK
Date Sample was Dried	12-14-12
Filter Lot #	R2DA02309
Filter Type	.45um MILLIPORE
Date Sample was Ground	12-17-12
Person's name who witnessed reagent drop	TP
Blank Sand Lot #	FISHER 120571
Sonication End Date	12-18-12
Sonication Start Date	12-17-12
Sonication Start Time	13:00
Sonication Stop Time	7:00
SOP Number	WS-LC-0010
Maximum Temperature	35 Degrees C
Minimum Temperature	0 Degrees C

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

HPLC/IC BATCH WORKSHEET

Lab Name: TestAmerica Sacramento Job No.: 240-18703-1

SDG No.: _____

Batch Number: 7464 Batch Start Date: 12/17/12 11:57 Batch Analyst: Arauz, HoracioBatch Method: Sieve/Ultrasoni Batch End Date: 12/18/12 11:00

Basis	Basis Description
T	Total/NA

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

HPLC/IC BATCH WORKSHEET

Lab Name: TestAmerica Sacramento Job No.: 240-18703-1

SDG No.: _____

Batch Number: 7807 Batch Start Date: 12/24/12 12:40 Batch Analyst: Phan, TuanBatch Method: Filtration Batch End Date: 12/24/12 13:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	HPNQSP 00006			
MB 320-7807/1		Filtration, 8330 Modified		10 mL	10 mL				
LCS 320-7807/2		Filtration, 8330 Modified		10 mL	10 mL	50 uL			
240-18703-S-24	076-0140-0001-ER	Filtration, 8330 Modified	T	10 mL	10 mL				
240-18703-S-24 MS	076-0140-0001-ER	Filtration, 8330 Modified	T	10 mL	10 mL	50 uL			
240-18703-S-24 MSD	076-0140-0001-ER	Filtration, 8330 Modified	T	10 mL	10 mL	50 uL			

Batch Notes	
Filter Lot #	Millipore R2DA02309, MILLIPORE WATER DISPENSED 12/13/12

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.

8330 Modified

Page 1 of 1

Method 8330B

Nitroaromatics and Nitramines (HPLC)
by Method 8330B

FORM II
HPLC/IC SURROGATE RECOVERY

Lab Name: TestAmerica Sacramento Job No.: 240-18703-1
SDG No.: _____
Matrix: Solid Level: Low
GC Column (1): Synergi C18 ID: 4.6 (mm)

Client Sample ID	Lab Sample ID	DNT1 #
072SB-0082-0001-SO	240-18703-8	99
072SB-0075-0001-SO	240-18703-18	97
	MB 320-7444/1-A	97
	LCS 320-7444/2-A	97

DNT = 3,4-Dinitrotoluene

QC LIMITS
78-118

Column to be used to flag recovery values

FORM II 8330B

FORM II
HPLC/IC SURROGATE RECOVERY

Lab Name: TestAmerica Sacramento Job No.: 240-18703-1
SDG No.: _____
Matrix: Water Level: Low
GC Column (1): Synergi C18 ID: 4.6 (mm)

Client Sample ID	Lab Sample ID	DNT1 #
076-0140-0001-ER	240-18703-24	94
	MB 320-7404/1-A	97
	LCS 320-7404/2-A	97

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.: 240-18703-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: S000069.D
 Lab ID: LCS 320-7404/2-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,3-Dinitrobenzene	1.00	1.08	108	72-123	
2,4-Dinitrotoluene	1.00	1.02	102	70-119	
2,6-Dinitrotoluene	1.00	1.01	101	71-119	
2-Amino-4,6-dinitrotoluene	1.00	1.04	104	77-123	
2-Nitrotoluene	1.00	0.936	94	64-120	
4-Amino-2,6-dinitrotoluene	1.00	1.05	105	68-113	
3-Nitrotoluene	1.00	0.981	98	67-114	
HMX	1.00	1.04	104	67-115	
4-Nitrotoluene	1.00	0.982	98	67-115	
Nitrobenzene	1.00	1.06	106	69-119	
RDX	1.00	1.10	110	68-122	
Nitroglycerin	5.00	4.97	99	85-115	
Tetryl	1.00	0.969	97	66-105	
1,3,5-Trinitrobenzene	1.00	1.05	105	74-120	
PETN	5.00	4.53	91	84-117	
2,4,6-Trinitrotoluene	1.00	0.993	99	69-111	

Column to be used to flag recovery and RPD values

FORM III
HPLC/IC LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Sacramento Job No.: 240-18703-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: S000024.D
 Lab ID: LCS 320-7444/2-A Client ID: _____

COMPOUND	SPIKE ADDED (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC	QC LIMITS REC	#
1,3-Dinitrobenzene	0.500	0.503	101	81-121	
2,4-Dinitrotoluene	0.500	0.497	99	79-119	
2,6-Dinitrotoluene	0.500	0.490	98	79-119	
2-Amino-4,6-dinitrotoluene	0.500	0.502	100	79-119	
2-Nitrotoluene	0.500	0.460	92	78-118	
4-Amino-2,6-dinitrotoluene	0.500	0.507	101	81-121	
3-Nitrotoluene	0.500	0.476	95	77-117	
HMX	0.500	0.501	100	80-120	
4-Nitrotoluene	0.500	0.481	96	78-118	
Nitrobenzene	0.500	0.505	101	80-120	
RDX	0.500	0.500	100	82-122	
Nitroglycerin	1.00	0.956	96	76-116	
Tetryl	0.500	0.470	94	63-120	
1,3,5-Trinitrobenzene	0.500	0.501	100	81-121	
PETN	1.00	0.908	91	76-116	
2,4,6-Trinitrotoluene	0.500	0.470	94	65-105	

Column to be used to flag recovery and RPD values

FORM IV
HPLC/IC METHOD BLANK SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18703-1
SDG No.: _____
Lab Sample ID: MB 320-7404/1-A
Matrix: Water Date Extracted: 12/14/2012 11:07
Lab File ID: (1) S000068.D Lab File ID: (2) _____
Date Analyzed: (1) 12/21/2012 13:22 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 320-7404/2-A	12/21/2012 14:02	
076-0140-0001-ER	240-18703-24	12/21/2012 14:42	

FORM IV
HPLC/IC METHOD BLANK SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18703-1
SDG No.: _____
Lab Sample ID: MB 320-7444/1-A
Matrix: Solid Date Extracted: 12/17/2012 10:34
Lab File ID: (1) S000023.D Lab File ID: (2) _____
Date Analyzed: (1) 12/20/2012 07:07 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 320-7444/2-A	12/20/2012 07:47	
072SB-0082-0001-SO	240-18703-8	12/20/2012 21:54	
072SB-0075-0001-SO	240-18703-18	12/20/2012 22:34	

FORM VIII
HPLC/IC ANALYTICAL SEQUENCE

Lab Name: TestAmerica Sacramento Job No.: 240-18703-1
 SDG No.: _____
 Sample No.: CCV 320-7620/14 Date Analyzed: 12/20/2012 01:05
 Instrument ID: LC10 GC Column: Synergi C18 ID: 4.6 (mm)
 Lab File ID (Standard): S000014.D Heated Purge: (Y/N) N
 Calibration ID: 1202

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSS IS GIVEN BELOW:

				DNT		
				RT #		
CONTINUING CALIBRATION SURROGATE				16.77		
UPPER LIMIT				16.97		
LOWER LIMIT				16.57		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCV 320-7620/14 CCVRT		12/20/2012 01:05	S000014.D	16.77		
CCVL 320-7620/15		12/20/2012 01:45	S000015.D	16.75		
MB 320-7444/1-A		12/20/2012 07:07	S000023.D	16.80		
LCS 320-7444/2-A		12/20/2012 07:47	S000024.D	16.77		

DNT = 3,4-Dinitrotoluene

DNT RT Limit = ± 0.2 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII
HPLC/IC ANALYTICAL SEQUENCE

Lab Name: TestAmerica Sacramento Job No.: 240-18703-1
 SDG No.: _____
 Sample No.: CCV 320-7620/37 Date Analyzed: 12/20/2012 16:30
 Instrument ID: LC10 GC Column: Synergi C18 ID: 4.6 (mm)
 Lab File ID (Standard): S000037.D Heated Purge: (Y/N) N
 Calibration ID: 1202

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSS IS GIVEN BELOW:

				DNT		
				RT #		
CONTINUING CALIBRATION SURROGATE				16.76		
UPPER LIMIT				16.96		
LOWER LIMIT				16.56		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCV 320-7620/37 CCVRT		12/20/2012 16:30	S000037.D	16.76		
240-18703-8	072SB-0082-0001-SO	12/20/2012 21:54	S000045.D	16.82		
240-18703-18	072SB-0075-0001-SO	12/20/2012 22:34	S000046.D	16.99 *		

DNT = 3,4-Dinitrotoluene

DNT RT Limit = ± 0.2 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII
HPLC/IC ANALYTICAL SEQUENCE

Lab Name: TestAmerica Sacramento Job No.: 240-18703-1
SDG No.: _____
Sample No.: CCV 320-7620/46 Date Analyzed: 12/20/2012 23:14
Instrument ID: LC10 GC Column: Synergi C18 ID: 4.6 (mm)
Lab File ID (Standard): S000047.D Heated Purge: (Y/N) N
Calibration ID: 1202

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSS IS GIVEN BELOW:

				DNT		
				RT #		
CONTINUING CALIBRATION SURROGATE				16.69		
UPPER LIMIT				16.89		
LOWER LIMIT				16.49		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCV 320-7620/46 CCVRT		12/20/2012 23:14	S000047.D	16.69		
CCVL 320-7620/47		12/20/2012 23:55	S000048.D	16.75		

DNT = 3,4-Dinitrotoluene

DNT RT Limit = $\pm$ 0.2 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII
HPLC/IC ANALYTICAL SEQUENCE

Lab Name: TestAmerica Sacramento Job No.: 240-18703-1
 SDG No.: _____
 Sample No.: CCV 320-7620/67 Date Analyzed: 12/21/2012 12:41
 Instrument ID: LC10 GC Column: Synergi C18 ID: 4.6 (mm)
 Lab File ID (Standard): S000067.D Heated Purge: (Y/N) N
 Calibration ID: 1202

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSS IS GIVEN BELOW:

				DNT		
				RT #		
CONTINUING CALIBRATION SURROGATE				16.75		
UPPER LIMIT				16.95		
LOWER LIMIT				16.55		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCV 320-7620/67 CCVRT		12/21/2012 12:41	S000067.D	16.75		
MB 320-7404/1-A		12/21/2012 13:22	S000068.D	17.30 *		
LCS 320-7404/2-A		12/21/2012 14:02	S000069.D	16.74		
240-18703-24	076-0140-0001-ER	12/21/2012 14:42	S000070.D	16.76		

DNT = 3,4-Dinitrotoluene

DNT RT Limit = ± 0.2 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII
HPLC/IC ANALYTICAL SEQUENCE

Lab Name: TestAmerica Sacramento Job No.: 240-18703-1
SDG No.: _____
Sample No.: CCV 320-7620/73 Date Analyzed: 12/21/2012 16:42
Instrument ID: LC10 GC Column: Synergi C18 ID: 4.6 (mm)
Lab File ID (Standard): S000073.D Heated Purge: (Y/N) N
Calibration ID: 1202

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSS IS GIVEN BELOW:

				DNT		
				RT #		
CONTINUING CALIBRATION SURROGATE				16.80		
UPPER LIMIT				17.00		
LOWER LIMIT				16.60		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCV 320-7620/73 CCVRT		12/21/2012 16:42	S000073.D	16.80		
CCVL 320-7620/74		12/21/2012 17:23	S000074.D	16.75		

DNT = 3,4-Dinitrotoluene

DNT RT Limit = ± 0.2 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.: 240-18703-1
 SDG No.: _____
 Client Sample ID: 072SB-0082-0001-SO Lab Sample ID: 240-18703-8
 Matrix: Solid Lab File ID: S000045.D
 Analysis Method: 8330B Date Collected: 12/10/2012 10:45
 Extraction Method: 8330B Date Extracted: 12/17/2012 10:34
 Sample wt/vol: 10.03(g) Date Analyzed: 12/20/2012 21:54
 Con. Extract Vol.: 80 (mL) Dilution Factor: 1
 Injection Volume: 500 (uL) GC Column: Synergi C18 ID: 4.6 (mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 7620 Units: mg/Kg

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

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

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20121219-1888.b\S000045.D
Lims ID: 240-18703-I-8-A Client ID: 072SB-0082-0001-SO
Inject. Date: 20-Dec-2012 21:54:00 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 320-0001888-044
Misc. Info.:
Operator: RN Instrument ID: LC10
Injection Vol: 500.0 ul ALS Bottle#: 47
Lims Batch ID: 7620 Lims Sample ID: 44
Method: \\SACChrom\ChromData\LC10\20121219-1888.b\8330_LC10.m
Last Update: 21-Dec-2012 14:16:56 Calib Date: 01-Sep-2012 16:31:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D
Limit Group: LC 8330B ICAL
Integrator: Falcon
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
Process Host: XAWRK023

First Level Reviewer: noonanr

Date: 21-Dec-2012 14:16:56

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

\$ 30 3,4-Dinitrotoluene

1	16.822	16.756	0.066	3472	61.7	
2	16.836	16.746	0.090	6730	65.1	

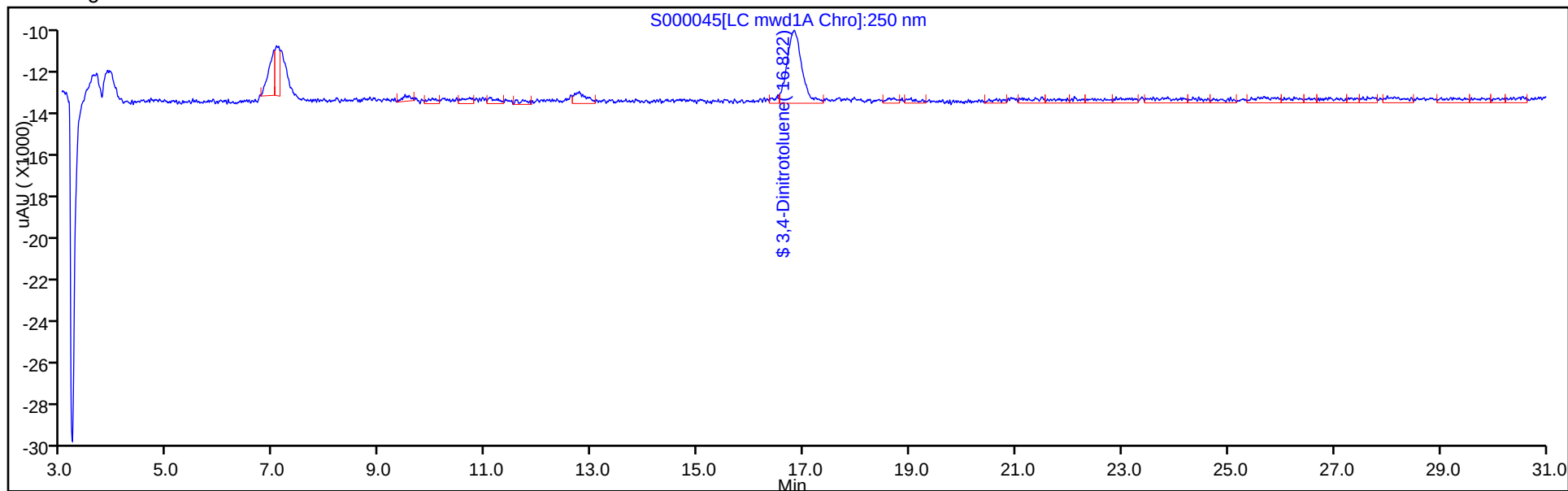
Report Date: 21-Dec-2012 14:16:57

Chrom Revision: 2.1 20-Dec-2012 15:49:16

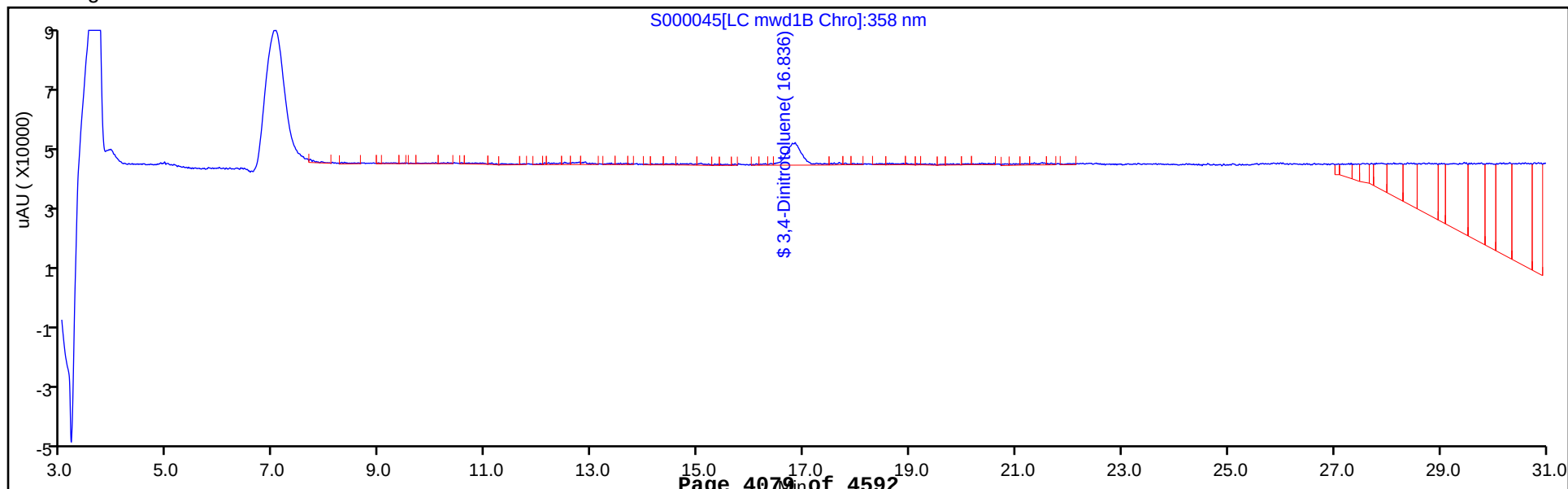
TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121219-1888.b\S000045.D
Injection Date: 20-Dec-2012 21:54:00 Limit Group: LC 8330B ICAL
Client ID: 072SB-0082-0001-SO Instrument ID: LC10
Lims Batch ID: 7620 Lims Sample ID: 44
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.: 240-18703-1
 SDG No.: _____
 Client Sample ID: 072SB-0075-0001-SO Lab Sample ID: 240-18703-18
 Matrix: Solid Lab File ID: S000046.D
 Analysis Method: 8330B Date Collected: 12/10/2012 13:45
 Extraction Method: 8330B Date Extracted: 12/17/2012 10:34
 Sample wt/vol: 10.02(g) Date Analyzed: 12/20/2012 22:34
 Con. Extract Vol.: 80(mL) Dilution Factor: 1
 Injection Volume: 500(uL) GC Column: Synergi C18 ID: 4.6(mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 7620 Units: mg/Kg

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

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

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20121219-1888.b\S000046.D
Lims ID: 240-18703-L-18-A Client ID: 072SB-0075-0001-SO
Inject. Date: 20-Dec-2012 22:34:22 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 320-0001888-045
Misc. Info.:
Operator: RN Instrument ID: LC10
Injection Vol: 500.0 ul ALS Bottle#: 48
Lims Batch ID: 7620 Lims Sample ID: 45
Method: \\SACChrom\ChromData\LC10\20121219-1888.b\8330_LC10.m
Last Update: 21-Dec-2012 14:19:55 Calib Date: 01-Sep-2012 16:31:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D
Limit Group: LC 8330B ICAL
Integrator: Falcon
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
Process Host: XAWRK023

First Level Reviewer: noonanr

Date: 21-Dec-2012 14:19:55

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

\$ 30	3,4-Dinitrotoluene					M
1	16.985	16.756	0.229	3400	60.4	
2	16.968	16.746	0.222	6126	59.3	M

QC Flag Legend

Review Flags

M - Manually Integrated

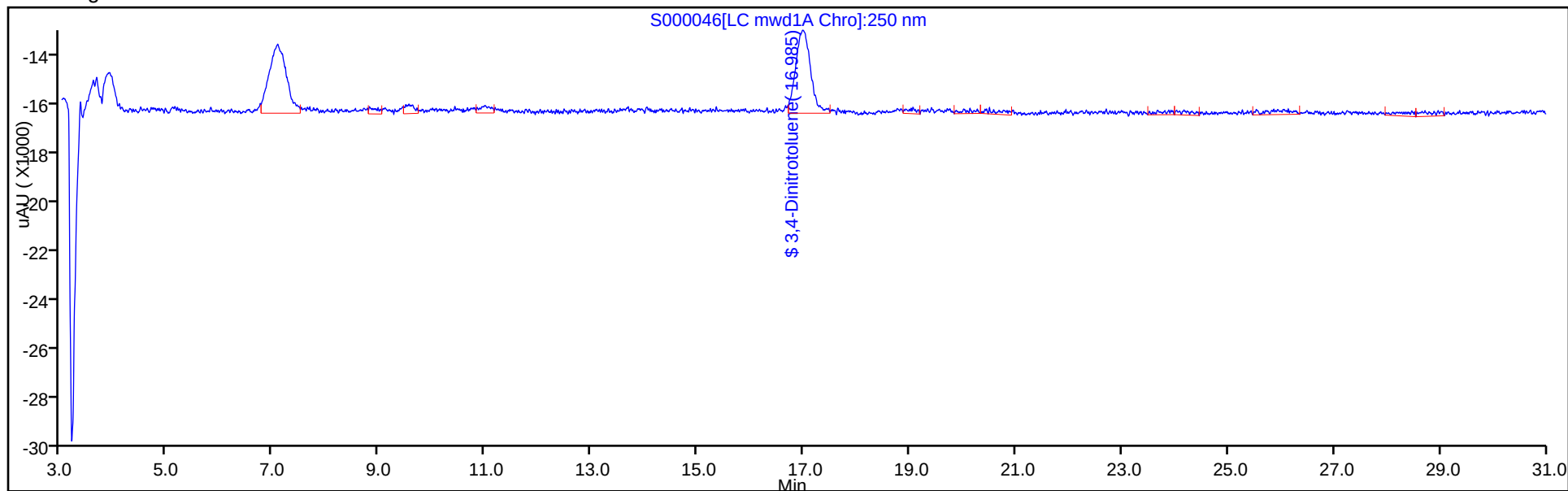
Report Date: 21-Dec-2012 14:19:55

Chrom Revision: 2.1 20-Dec-2012 15:49:16

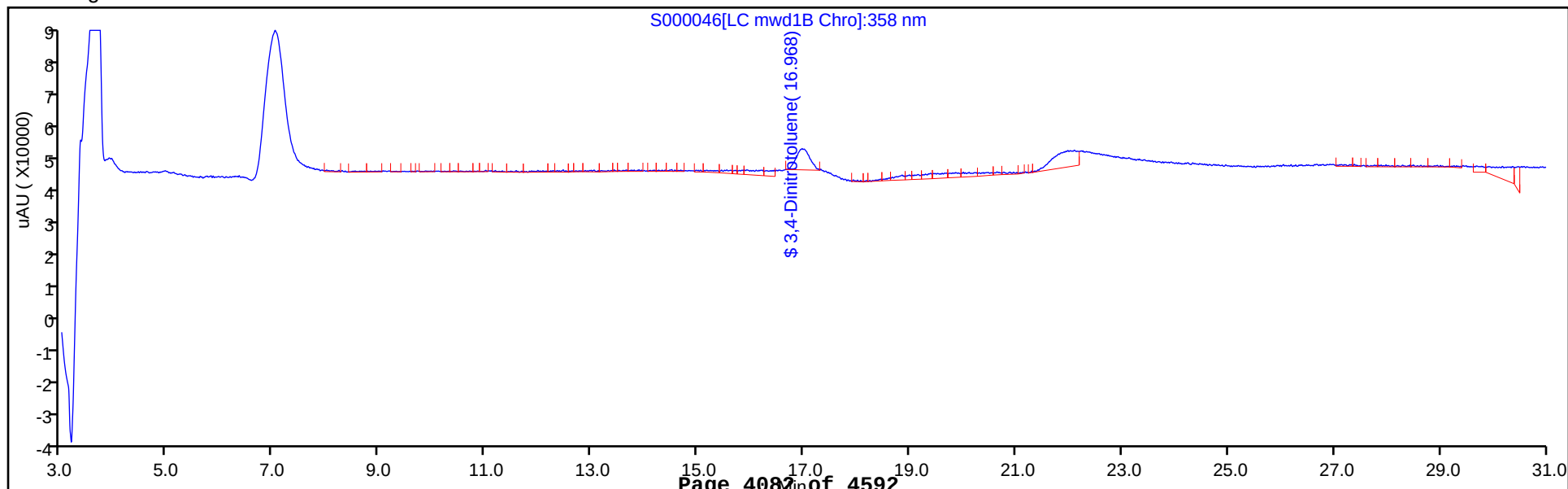
TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121219-1888.b\S000046.D
Injection Date: 20-Dec-2012 22:34:22 Limit Group: LC 8330B ICAL
Client ID: 072SB-0075-0001-SO Instrument ID: LC10
Lims Batch ID: 7620 Lims Sample ID: 45
Operator ID: RN Injection Vol: 500.0 ul
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



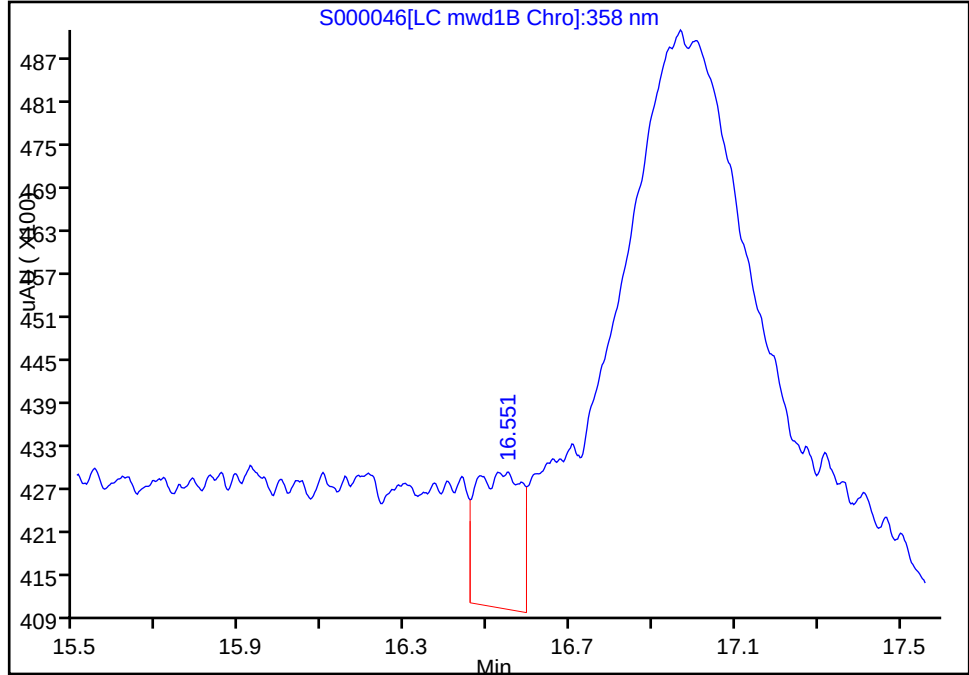
TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121219-1888.b\S000046.D
Injection Date: 20-Dec-2012 22:34:22 Limit Group: LC 8330B ICAL
Client ID: 072SB-0075-0001-SO Instrument ID: LC10
Lims Batch ID: 7620 Lims Sample ID: 45
Operator ID: RN Injection Vol: 500.0 ul
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm

\$ 30 3,4-Dinitrotoluene, Signal: 2, Type: quant, RT: 16.75, Det: LC mwd1B

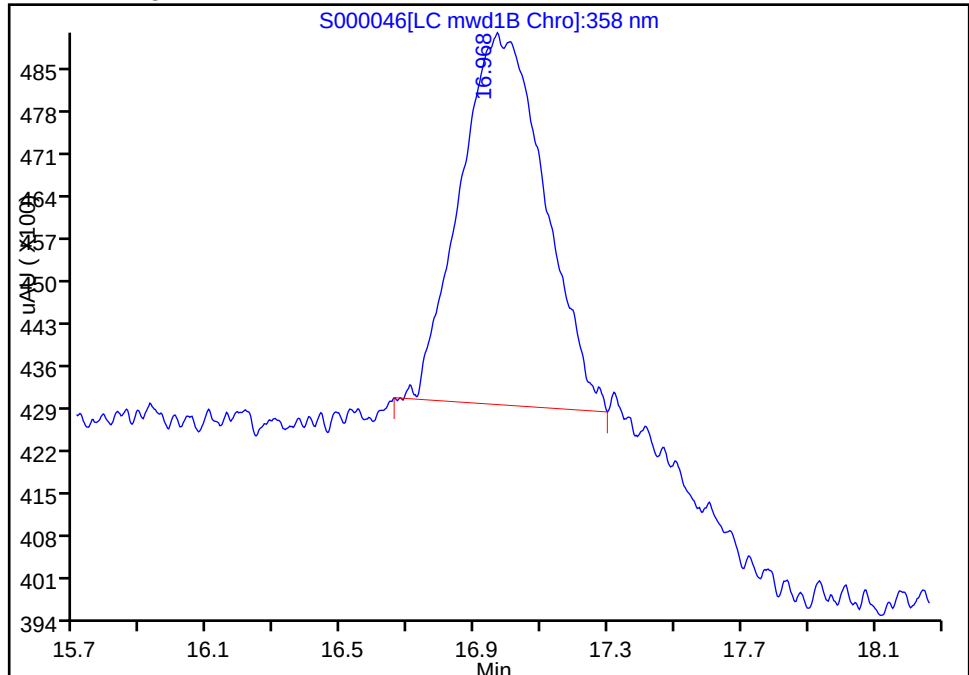
RT: 16.55
Response: 1926
Amount: 18.641160

Processing Integration Results



RT: 16.97
Response: 6126
Amount: 59.291665

Manual Integration Results



Reviewer: noonanr, 21-Dec-2012 14:19:55
Audit Action: Manually Integrated
Audit Reason: Baseline

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-18703-1

SDG No.: _____

Client Sample ID: 076-0140-0001-ER Lab Sample ID: 240-18703-24

Matrix: Water Lab File ID: S000070.D

Analysis Method: 8330B Date Collected: 12/09/2012 10:30

Extraction Method: 8330-Prep Date Extracted: 12/14/2012 11:07

Sample wt/vol: 1000.3(mL) Date Analyzed: 12/21/2012 14:42

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.: 7620 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	94		79-111

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20121219-1888.b\S000070.D
Lims ID: 240-18703-U-24-A Client ID: 076-0140-0001-ER
Inject. Date: 21-Dec-2012 14:42:25 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 320-0001888-070
Misc. Info.:
Operator: RN Instrument ID: LC10
Injection Vol: 500.0 ul ALS Bottle#: 71
Lims Batch ID: 7620 Lims Sample ID: 70
Method: \\SACChrom\ChromData\LC10\20121219-1888.b\8330_LC10.m
Last Update: 26-Dec-2012 08:44:21 Calib Date: 01-Sep-2012 16:31:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D
Limit Group: LC 8330B ICAL
Integrator: Falcon
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
Process Host: XAWRK028

First Level Reviewer: noonanr

Date: 26-Dec-2012 08:44:21

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

\$ 30 3,4-Dinitrotoluene

1	16.760	16.796	-0.036	6616	117.5	
2	16.787	16.806	-0.019	12739	123.3	

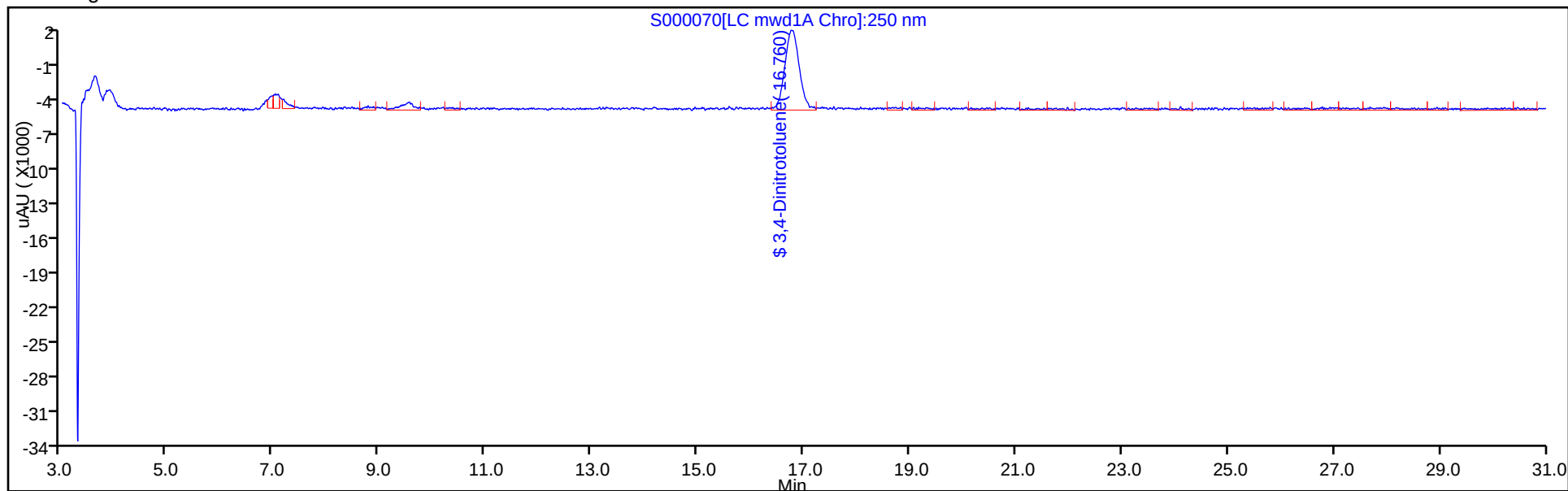
Report Date: 26-Dec-2012 08:44:21

Chrom Revision: 2.1 24-Dec-2012 15:14:58

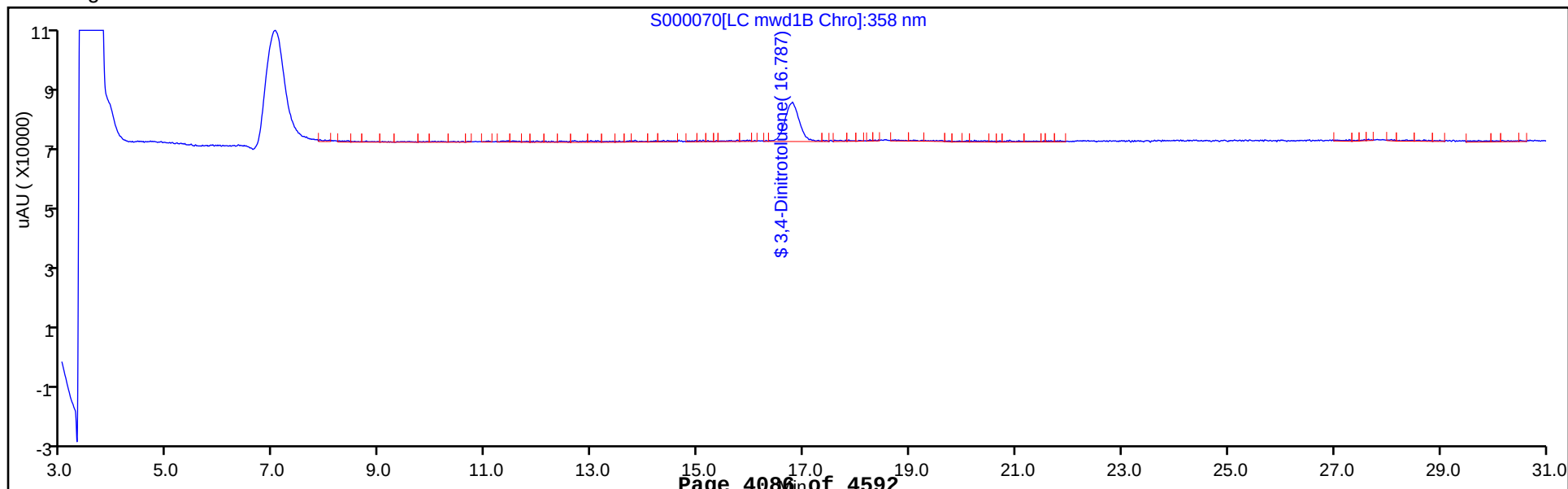
TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121219-1888.b\S000070.D
Injection Date: 21-Dec-2012 14:42:25 Limit Group: LC 8330B ICAL
Client ID: 076-0140-0001-ER Instrument ID: LC10
Lims Batch ID: 7620 Lims Sample ID: 70
Operator ID: RN Injection Vol: 500.0 ul
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



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

Lab Name: TestAmerica Sacramento Job No.: 240-18703-1 Analy Batch No.: 3377

SDG No.: _____

Instrument ID: LC10 GC Column: Synergi C18 ID: 4.6(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/01/2012 11:50 Calibration End Date: 09/01/2012 16:31 Calibration ID: 1202

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 320-3377/2	A-000006.D
Level 2	STD02 320-3377/3	A-000007.D
Level 3	STD03 320-3377/4	A-000008.D
Level 4	STD04 320-3377/5	A-000009.D
Level 5	STD05 320-3377/6	A-000010.D
Level 6	STD06 320-3377/7	A-000011.D
Level 7	STD07 320-3377/8	A-000012.D
Level 8	STD08 320-3377/9	A-000013.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 7	LVL 8			RT WINDOW	AVG RT
HMX	5.240	5.235	5.238	5.235	5.235	5.233	5.219	5.195			4.985 - 5.485	5.229
RDX	7.593	7.588	7.585	7.585	7.579	7.573	7.552	7.512			7.329 - 7.829	7.571
Ethylene glycol dinitrate	++++	++++	8.312	8.302	8.305	8.296	8.275	8.245			8.055 - 8.555	8.294
Picric acid	8.707	8.718	8.708	8.702	8.685	8.650	8.589	8.499			8.435 - 8.935	8.657
1,3,5-Trinitrobenzene	10.003	10.012	9.998	9.995	9.992	9.986	9.965	9.925			9.742 - 10.242	9.985
1,3-Dinitrobenzene	12.673	12.699	12.688	12.692	12.682	12.677	12.652	12.602			12.432 - 12.932	12.671
3,5-Dinitroaniline	13.447	13.449	13.452	13.455	13.449	13.437	13.406	13.349			13.199 - 13.699	13.431
Tetryl	13.950	13.925	13.952	13.942	13.939	13.933	13.912	13.866			13.689 - 14.189	13.927
Nitrobenzene	14.493	14.512	14.502	14.495	14.495	14.487	14.459	14.399			14.245 - 14.745	14.480
Nitroglycerin	++++	++++	15.205	15.209	15.202	15.197	15.172	15.126			14.952 - 15.452	15.185
2,4,6-Trinitrotoluene	16.083	16.075	16.075	16.085	16.069	16.067	16.046	16.002			15.819 - 16.319	16.063
4-Amino-2,6-dinitrotoluene	16.557	16.665	16.622	16.635	16.619	16.607	16.579	16.519			16.369 - 16.869	16.600
2-Amino-4,6-dinitrotoluene	17.617	17.619	17.595	17.602	17.595	17.587	17.552	17.489			17.345 - 17.845	17.582
2,6-Dinitrotoluene	19.280	19.342	19.318	19.299	19.285	19.293	19.259	19.199			19.035 - 19.535	19.284
2,4-Dinitrotoluene	19.877	19.965	19.915	19.939	19.925	19.917	19.886	19.829			19.675 - 20.175	19.907
2-Nitrotoluene	23.440	23.442	23.412	23.415	23.415	23.400	23.366	23.292			23.165 - 23.665	23.398
4-Nitrotoluene	25.103	25.095	25.135	25.092	25.102	25.087	25.062	24.989			24.852 - 25.352	25.083
3-Nitrotoluene	27.057	27.122	27.035	27.059	27.052	27.060	27.016	26.939			26.802 - 27.302	27.043
PETN	++++	++++	29.672	29.662	29.649	29.663	29.619	29.569			29.399 - 29.899	29.625
3,4-Dinitrotoluene	17.087	17.075	17.088	17.079	17.072	17.073	17.032	16.972			16.822 - 17.322	17.060

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

Lab Name: TestAmerica Sacramento Job No.: 240-18703-1 Analy Batch No.: 3377

SDG No.: _____

Instrument ID: LC10 GC Column: Synergi C18 ID: 4.6(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/01/2012 11:50 Calibration End Date: 09/01/2012 16:31 Calibration ID: 1202

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 320-3377/2	A-000006.D
Level 2	STD02 320-3377/3	A-000007.D
Level 3	STD03 320-3377/4	A-000008.D
Level 4	STD04 320-3377/5	A-000009.D
Level 5	STD05 320-3377/6	A-000010.D
Level 6	STD06 320-3377/7	A-000011.D
Level 7	STD07 320-3377/8	A-000012.D
Level 8	STD08 320-3377/9	A-000013.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	139.80 127.39	131.10 125.07	132.70 120.02	126.54 103.82	Ave		125.806000				8.5		20.0			
RDX	126.20 85.360	97.500 83.560	89.950 77.368	89.060 62.894	Ave		88.9865000				20.0		20.0			
Ethylene glycol dinitrate	++++ 102.81	++++ 100.64	106.60 93.280	99.580 78.274	Ave		96.8640000				10.0		20.0			
Picric acid	142.10 128.26	124.60 123.75	126.62 113.51	130.18 96.264	Ave		123.159625				11.0		20.0			
1,3,5-Trinitrobenzene	190.60 161.63	172.30 159.20	171.25 151.74	162.92 131.74	Ave		162.672500				10.0		20.0			
1,3-Dinitrobenzene	182.80 160.21	183.10 158.49	168.75 150.27	160.54 129.19	Ave		161.668750				11.0		20.0			
3,5-Dinitroaniline	130.40 101.39	110.30 101.56	102.95 97.078	103.96 83.656	Ave		103.911125				13.0		20.0			
Tetryl	110.60 82.640	87.300 84.365	81.400 83.418	84.500 78.184	Ave		86.5508750				12.0		20.0			
Nitrobenzene	96.600 71.160	77.100 71.370	75.300 67.000	72.860 58.527	Ave		73.7396250				15.0		20.0			
Nitroglycerin	++++ 65.420	++++ 64.655	74.350 62.646	65.760 56.481	Ave		64.8853333				8.9		20.0			
2,4,6-Trinitrotoluene	108.00 89.810	97.700 90.455	93.150 89.080	91.560 82.556	Ave		92.7888750				8.0		20.0			
4-Amino-2,6-dinitrotoluene	86.800 74.520	77.900 75.425	74.600 73.644	76.500 66.457	Ave		75.7307500				7.4		20.0			
2-Amino-4,6-dinitrotoluene	102.40 80.440	89.400 81.200	84.350 78.808	81.480 70.652	Ave		83.5912500				11.0		20.0			
2,6-Dinitrotoluene	77.800 56.200	62.900 57.230	57.300 55.882	58.140 51.202	Ave		59.5817500				13.0		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 CURVE EVALUATION

Lab Name: TestAmerica Sacramento Job No.: 240-18703-1 Analy Batch No.: 3377

SDG No.: _____

Instrument ID: LC10 GC Column: Synergi C18 ID: 4.6 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/01/2012 11:50 Calibration End Date: 09/01/2012 16:31 Calibration ID: 1202

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	109.40 93.730	102.00 94.515	96.050 92.458	94.760 84.833	Ave		95.9682500				7.5		20.0			
2-Nitrotoluene	58.800 41.500	51.400 40.795	46.600 39.480	41.280 36.585	Ave		44.5550000				16.0		20.0			
4-Nitrotoluene	65.200 50.470	61.200 50.165	55.000 48.764	50.940 45.695	Ave		53.4292500				12.0		20.0			
3-Nitrotoluene	67.800 50.030	60.900 50.960	54.550 49.432	51.100 46.712	Ave		53.9355000				13.0		20.0			
PETN	+++++ 36.310	+++++ 35.540	40.050 35.620	38.100 34.728	Ave		36.7246667				5.4		20.0			
3,4-Dinitrotoluene	77.000 52.480	53.700 53.370	51.600 55.173	53.480 53.734	Ave		56.3171667				15.0		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.: 240-18703-1 Analy Batch No.: 3377

SDG No.: _____

Instrument ID: LC10 GC Column: Synergi C18 ID: 4.6(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/01/2012 11:50 Calibration End Date: 09/01/2012 16:31 Calibration ID: 1202

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 320-3377/2	A-000006.D
Level 2	STD02 320-3377/3	A-000007.D
Level 3	STD03 320-3377/4	A-000008.D
Level 4	STD04 320-3377/5	A-000009.D
Level 5	STD05 320-3377/6	A-000010.D
Level 6	STD06 320-3377/7	A-000011.D
Level 7	STD07 320-3377/8	A-000012.D
Level 8	STD08 320-3377/9	A-000013.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	699 25014	1311 60012	2654 103824	6327	12739	5.00 200	10.0 500	20.0 1000	50.0	100
RDX	Ave	631 16712	975 38684	1799 62894	4453	8536	5.00 200	10.0 500	20.0 1000	50.0	100
Ethylene glycol dinitrate	Ave	++++ 20128	++++ 46640	2132 78274	4979	10281	++++ 200	++++ 500	20.0 1000	50.0	100
Picric acid	Ave	1421 61874	2492 113505	6331 192528	13018	25652	10.0 500	20.0 1000	50.0 2000	100	200
1,3,5-Trinitrobenzene	Ave	953 31839	1723 75872	3425 131741	8146	16163	5.00 200	10.0 500	20.0 1000	50.0	100
1,3-Dinitrobenzene	Ave	914 31698	1831 75133	3375 129194	8027	16021	5.00 200	10.0 500	20.0 1000	50.0	100
3,5-Dinitroaniline	Ave	652 20311	1103 48539	2059 83656	5198	10139	5.00 200	10.0 500	20.0 1000	50.0	100
Tetryl	Ave	553 16873	873 41709	1628 78184	4225	8264	5.00 200	10.0 500	20.0 1000	50.0	100
Nitrobenzene	Ave	483 14274	771 33500	1506 58527	3643	7116	5.00 200	10.0 500	20.0 1000	50.0	100
Nitroglycerin	Ave	++++ 12931	++++ 31323	1487 56481	3288	6542	++++ 200	++++ 500	20.0 1000	50.0	100
2,4,6-Trinitrotoluene	Ave	540 18091	977 44540	1863 82556	4578	8981	5.00 200	10.0 500	20.0 1000	50.0	100
4-Amino-2,6-dinitrotoluene	Ave	434 15085	779 36822	1492 66457	3825	7452	5.00 200	10.0 500	20.0 1000	50.0	100
2-Amino-4,6-dinitrotoluene	Ave	512 16240	894 39404	1687 70652	4074	8044	5.00 200	10.0 500	20.0 1000	50.0	100
2,6-Dinitrotoluene	Ave	389 11446	629 27941	1146 51202	2907	5620	5.00 200	10.0 500	20.0 1000	50.0	100
2,4-Dinitrotoluene	Ave	547 18903	1020 46229	1921 84833	4738	9373	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.: 240-18703-1 Analy Batch No.: 3377

SDG No.: _____

Instrument ID: LC10 GC Column: Synergi C18 ID: 4.6(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/01/2012 11:50 Calibration End Date: 09/01/2012 16:31 Calibration ID: 1202

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	294 8159	514 19740	932 36585	2064	4150	5.00 200	10.0 500	20.0 1000	50.0	100
4-Nitrotoluene	Ave	326 10033	612 24382	1100 45695	2547	5047	5.00 200	10.0 500	20.0 1000	50.0	100
3-Nitrotoluene	Ave	339 10192	609 24716	1091 46712	2555	5003	5.00 200	10.0 500	20.0 1000	50.0	100
PETN	Ave	+++++ 7108	+++++ 17810	801 34728	1905	3631	+++++ 200	+++++ 500	20.0 1000	50.0	100
3,4-Dinitrotoluene	Ave	385 10674	537 16552	1032 26867	2674	5248	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\20120905-755.b\A-000006.D
 Lims ID: STD01 Client ID:
 Inject. Date: 01-Sep-2012 11:50:14 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 1
 Sample ID: STD01 HP8330L1_00004 5ng/mL;1
 Misc. Info.:
 Operator: RN Instrument ID: LC10
 Injection Vol: 500.0 ul ALS Bottle#: 11
 Lims Batch ID: 3377 Lims Sample ID: 2
 Sublist: chrom-8330_LC10*sub1
 Method: \\SACChrom\ChromData\LC10\20120905-755.b\8330_LC10.m
 Last Update: 13-Sep-2012 11:14:21 Calib Date: 01-Sep-2012 16:31:00
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
 Process Host: XAWRK002

First Level Reviewer: noonanr

Date: 11-Sep-2012 13:41:22

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	5.240	5.235	0.005	699	5.56	
19 RDX						
1	7.593	7.579	0.014	631	7.09	
3 Ethylene glycol dinitrate						
2	8.300	8.305	-0.005	652	6.73	
10 2,4,6-Trinitrophenol						
2	8.707	8.685	0.022	1421	11.5	
1	8.733	8.685	0.048	955	11.6	
27 1,3,5-Trinitrobenzene						
1	10.003	9.992	0.011	953	5.86	
24 1,3-Dinitrobenzene						
1	12.673	12.682	-0.009	914	5.65	
9 3,5-Dinitroaniline						
1	13.447	13.449	-0.002	652	6.27	
20 Tetryl						
1	13.950	13.939	0.011	553	6.39	
5 Nitrobenzene						
1	14.493	14.495	-0.002	483	6.55	
7 Nitroglycerin						
2	15.147	15.202	-0.055	536	8.26	
25 2,4,6-Trinitrotoluene						
1	16.083	16.069	0.014	540	5.82	
26 4-Amino-2,6-dinitrotoluene						
1	16.557	16.619	-0.062	434	5.73	
\$ 30 3,4-Dinitrotoluene						
1	17.087	17.072	0.015	385	6.84	
2	17.117	17.082	0.035	622	6.02	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
6 2-Amino-4,6-dinitrotoluene						
1	17.617	17.595	0.022	512	6.13	
12 2,6-Dinitrotoluene						
1	19.280	19.285	-0.005	389	6.53	
23 2,4-Dinitrotoluene						
1	19.877	19.925	-0.048	547	5.70	
16 o-Nitrotoluene						
1	23.440	23.415	0.025	294	6.60	
15 p-Nitrotoluene						
1	25.103	25.102	0.001	326	6.10	
8 m-Nitrotoluene						
1	27.057	27.052	0.005	339	6.29	
21 PETN						
2	29.613	29.649	-0.036	771	21.0	

Report Date: 13-Sep-2012 11:14:22

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

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000006.D

Injection Date: 01-Sep-2012 11:50:14

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 3377

Lims Sample ID: 2

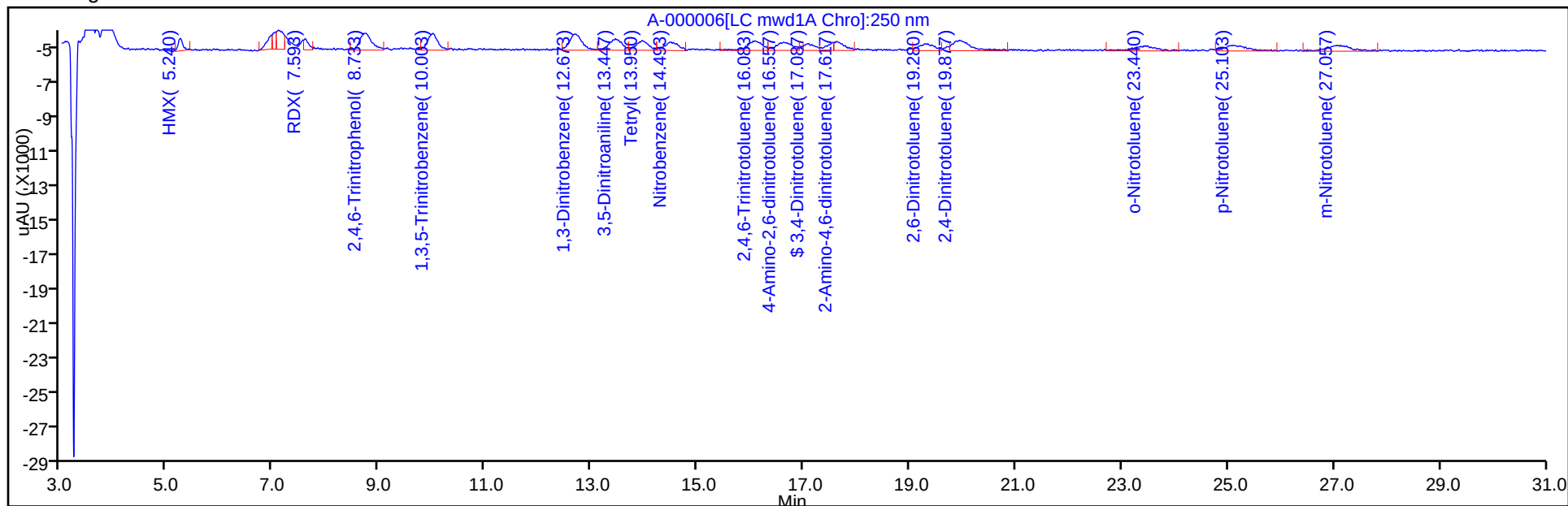
Operator ID: RN

Injection Vol: 500.0 ul

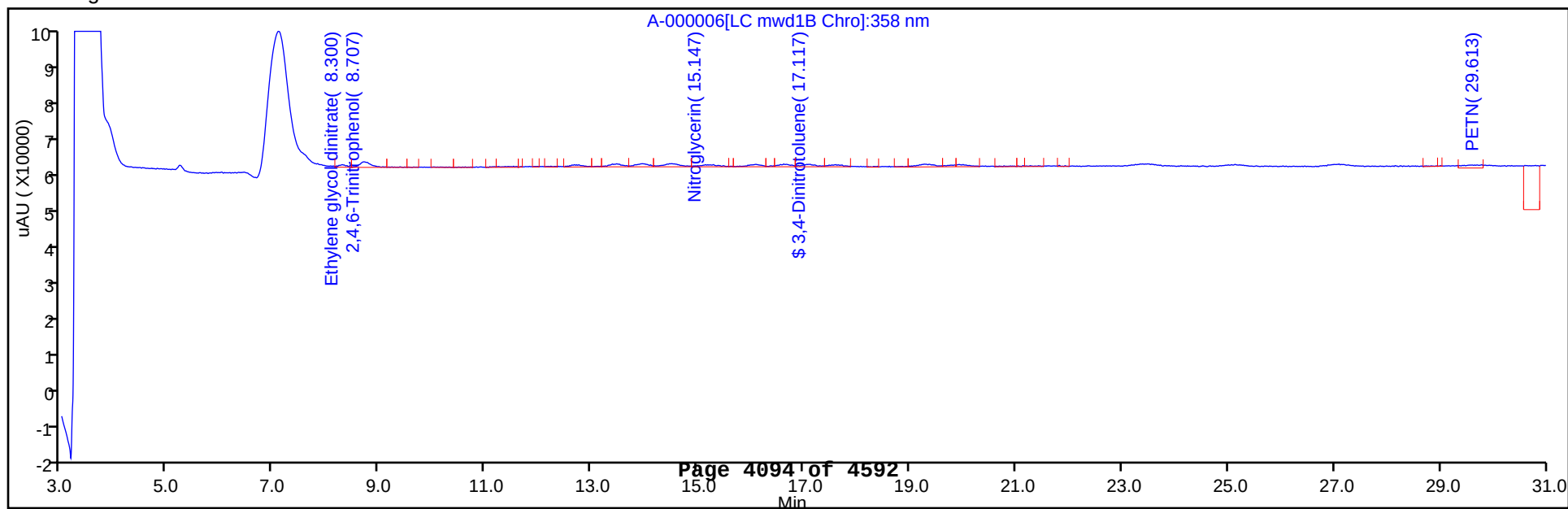
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000007.D
 Lims ID: STD02 Client ID:
 Inject. Date: 01-Sep-2012 12:30:23 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 2
 Sample ID: STD02 HP8330L2_00003 10ng/mL;1
 Misc. Info.:
 Operator: RN Instrument ID: LC10
 Injection Vol: 500.0 ul ALS Bottle#: 12
 Lims Batch ID: 3377 Lims Sample ID: 3
 Sublist: chrom-8330_LC10*sub1
 Method: \\SACChrom\ChromData\LC10\20120905-755.b\8330_LC10.m
 Last Update: 13-Sep-2012 10:19:53 Calib Date: 01-Sep-2012 16:31:00
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
 Process Host: XAWRK003

First Level Reviewer: chamberss

Date: 11-Sep-2012 14:17:48

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

11 HMX
 1 5.235 5.235 0.0 1311 10.4
 19 RDX
 1 7.588 7.579 0.009 975 10.9
 3 Ethylene glycol dinitrate
 2 8.315 8.305 0.010 1143 11.8
 10 2,4,6-Trinitrophenol
 2 8.718 8.685 0.033 2492 20.2
 1 8.718 8.685 0.033 1717 20.7
 27 1,3,5-Trinitrobenzene
 1 10.012 9.992 0.020 1723 10.6
 24 1,3-Dinitrobenzene
 1 12.699 12.682 0.017 1831 11.3
 9 3,5-Dinitroaniline
 1 13.449 13.449 0.0 1103 10.6
 20 Tetryl
 1 13.925 13.939 -0.014 873 10.1
 5 Nitrobenzene
 1 14.512 14.495 0.017 771 10.4
 7 Nitroglycerin
 2 15.225 15.202 0.023 628 9.68
 25 2,4,6-Trinitrotoluene
 1 16.075 16.069 0.006 977 10.5
 26 4-Amino-2,6-dinitrotoluene
 1 16.665 16.619 0.046 779 10.3
 \$ 30 3,4-Dinitrotoluene
 1 17.075 17.072 0.003 537 9.52
 2 17.075 17.082 -0.007 883 8.55

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
6 2-Amino-4,6-dinitrotoluene						
1	17.619	17.595	0.024	894	10.7	
12 2,6-Dinitrotoluene						
1	19.342	19.285	0.057	629	10.5	
23 2,4-Dinitrotoluene						
1	19.965	19.925	0.040	1020	10.6	
16 o-Nitrotoluene						
1	23.442	23.415	0.027	514	11.5	
15 p-Nitrotoluene						
1	25.095	25.102	-0.007	612	11.5	
8 m-Nitrotoluene						
1	27.122	27.052	0.070	609	11.3	
21 PETN						
2	29.552	29.649	-0.097	427	11.6	

Report Date: 13-Sep-2012 10:19:53

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

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000007.D

Injection Date: 01-Sep-2012 12:30:23

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 3377

Lims Sample ID: 3

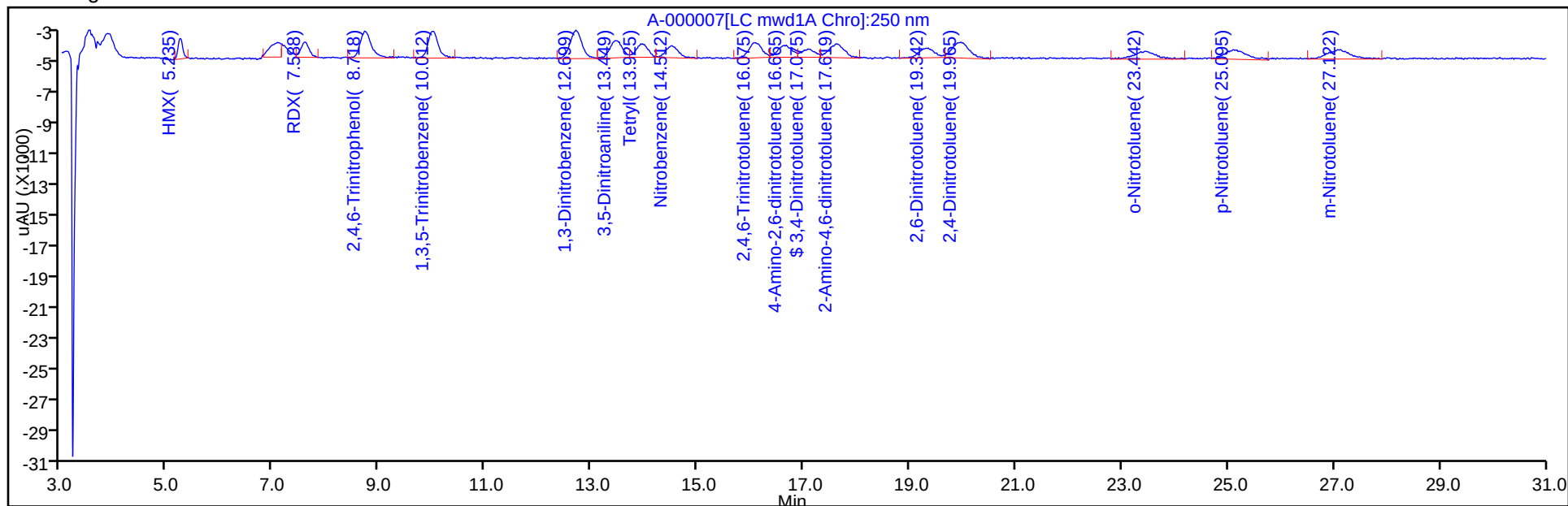
Operator ID: RN

Injection Vol: 500.0 ul

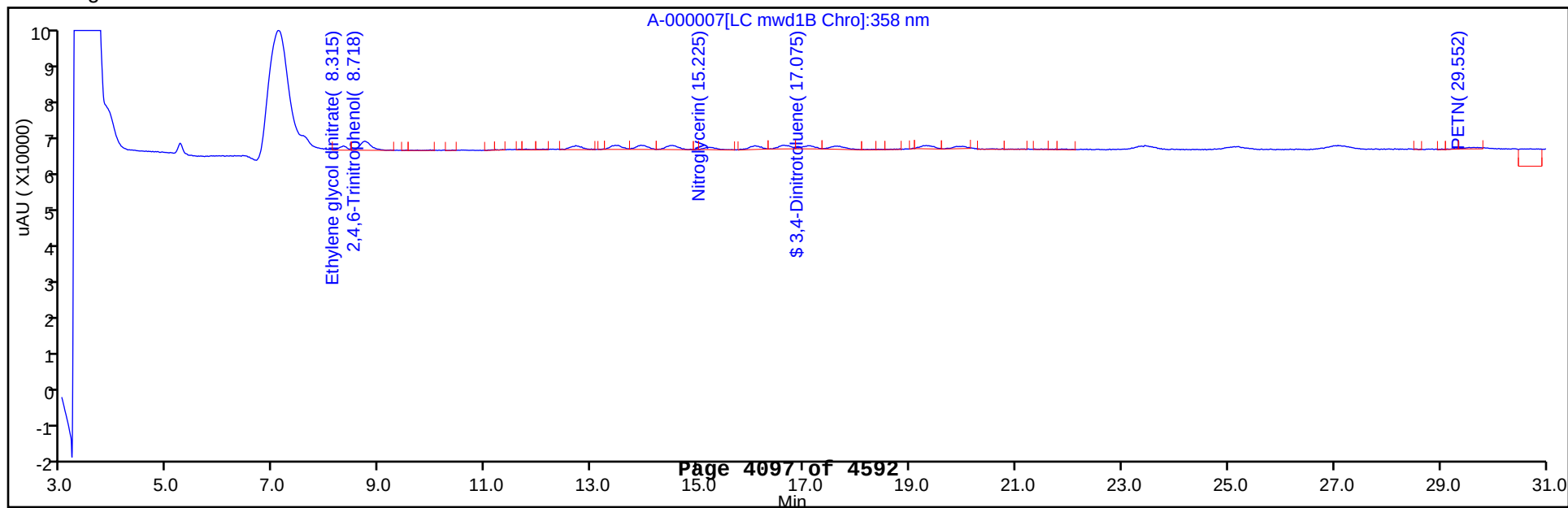
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000008.D
 Lims ID: STD03 Client ID:
 Inject. Date: 01-Sep-2012 13:10:34 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 3
 Sample ID: STD03 HP8330L3_00003 20ng/mL;1
 Misc. Info.:
 Operator: RN Instrument ID: LC10
 Injection Vol: 500.0 ul ALS Bottle#: 13
 Lims Batch ID: 3377 Lims Sample ID: 4
 Sublist: chrom-8330_LC10*sub1
 Method: \\SACChrom\ChromData\LC10\20120905-755.b\8330_LC10.m
 Last Update: 13-Sep-2012 10:19:54 Calib Date: 01-Sep-2012 16:31:00
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
 Process Host: XAWRK003

First Level Reviewer: chamberss

Date: 11-Sep-2012 14:31:48

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	5.238	5.235	0.003	2654	21.1	
19 RDX						
1	7.585	7.579	0.006	1799	20.2	
3 Ethylene glycol dinitrate						
2	8.312	8.305	0.007	2132	22.0	
10 2,4,6-Trinitrophenol						
2	8.708	8.685	0.023	6331	51.4	
1	8.718	8.685	0.033	4198	50.7	
27 1,3,5-Trinitrobenzene						
1	9.998	9.992	0.006	3425	21.0	
24 1,3-Dinitrobenzene						
1	12.688	12.682	0.006	3375	20.9	
9 3,5-Dinitroaniline						
1	13.452	13.449	0.003	2059	19.8	
20 Tetryl						
1	13.952	13.939	0.013	1628	18.8	
5 Nitrobenzene						
1	14.502	14.495	0.007	1506	20.4	
7 Nitroglycerin						
2	15.205	15.202	0.003	1487	22.9	
25 2,4,6-Trinitrotoluene						
1	16.075	16.069	0.006	1863	20.1	
26 4-Amino-2,6-dinitrotoluene						
1	16.622	16.619	0.003	1492	19.7	
\$ 30 3,4-Dinitrotoluene						
1	17.088	17.072	0.016	1032	18.3	
2	17.075	17.082	-0.007	2249	21.8	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
6 2-Amino-4,6-dinitrotoluene						
1	17.595	17.595	0.0	1687	20.2	
12 2,6-Dinitrotoluene						
1	19.318	19.285	0.033	1146	19.2	
23 2,4-Dinitrotoluene						
1	19.915	19.925	-0.010	1921	20.0	
16 o-Nitrotoluene						
1	23.412	23.415	-0.003	932	20.9	
15 p-Nitrotoluene						
1	25.135	25.102	0.033	1100	20.6	
8 m-Nitrotoluene						
1	27.035	27.052	-0.017	1091	20.2	
21 PETN						
2	29.672	29.649	0.023	801	21.8	

Report Date: 13-Sep-2012 10:19:54

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

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000008.D

Injection Date: 01-Sep-2012 13:10:34

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 3377

Lims Sample ID: 4

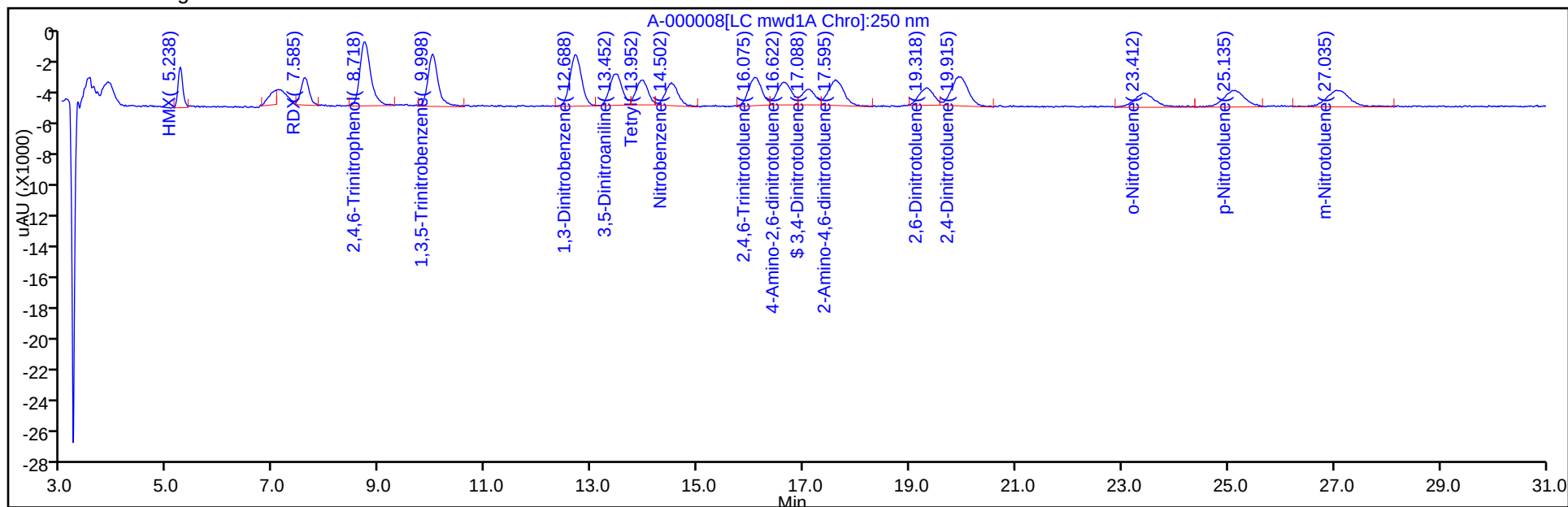
Operator ID: RN

Injection Vol: 500.0 ul

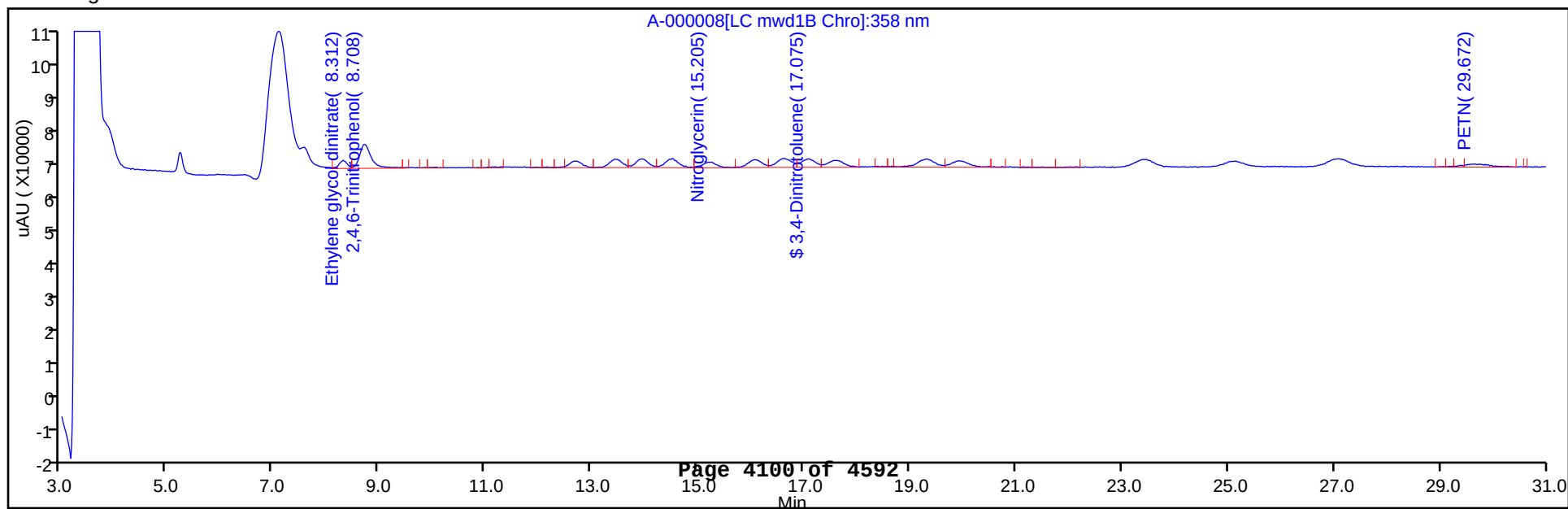
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

User Set Y Scaling: Alternate user entered



Y Scaling:



TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000009.D
 Lims ID: STD04 Client ID:
 Inject. Date: 01-Sep-2012 13:50:42 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 4
 Sample ID: STD04 HP8330L4_00003 50ng/mL;1
 Misc. Info.:
 Operator: RN Instrument ID: LC10
 Injection Vol: 500.0 ul ALS Bottle#: 14
 Lims Batch ID: 3377 Lims Sample ID: 5
 Sublist: chrom-8330_LC10*sub1
 Method: \\SACChrom\ChromData\LC10\20120905-755.b\8330_LC10.m
 Last Update: 13-Sep-2012 10:19:55 Calib Date: 01-Sep-2012 16:31:00
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
 Process Host: XAWRK003

First Level Reviewer: chamberss

Date: 11-Sep-2012 14:15:08

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	5.235	5.235	0.0	6327	50.3	
19 RDX						
1	7.585	7.579	0.006	4453	50.0	
3 Ethylene glycol dinitrate						
2	8.302	8.305	-0.003	4979	51.4	
10 2,4,6-Trinitrophenol						
2	8.702	8.685	0.017	13018	105.7	
1	8.698	8.685	0.013	8740	105.7	
27 1,3,5-Trinitrobenzene						
1	9.995	9.992	0.003	8146	50.1	
24 1,3-Dinitrobenzene						
1	12.692	12.682	0.010	8027	49.6	
9 3,5-Dinitroaniline						
1	13.455	13.449	0.006	5198	50.0	
20 Tetryl						
1	13.942	13.939	0.003	4225	48.8	
5 Nitrobenzene						
1	14.495	14.495	0.0	3643	49.4	
7 Nitroglycerin						
2	15.209	15.202	0.007	3288	50.7	
25 2,4,6-Trinitrotoluene						
1	16.085	16.069	0.016	4578	49.3	
26 4-Amino-2,6-dinitrotoluene						
1	16.635	16.619	0.016	3825	50.5	
\$ 30 3,4-Dinitrotoluene						
1	17.079	17.072	0.007	2674	47.5	
2	17.065	17.082	-0.017	5072	49.1	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
6 2-Amino-4,6-dinitrotoluene						
1	17.602	17.595	0.007	4074	48.7	
12 2,6-Dinitrotoluene						
1	19.299	19.285	0.014	2907	48.8	
23 2,4-Dinitrotoluene						
1	19.939	19.925	0.014	4738	49.4	
16 o-Nitrotoluene						
1	23.415	23.415	0.0	2064	46.3	
15 p-Nitrotoluene						
1	25.092	25.102	-0.010	2547	47.7	
8 m-Nitrotoluene						
1	27.059	27.052	0.007	2555	47.4	
21 PETN						
2	29.662	29.649	0.013	1905	51.9	

Report Date: 13-Sep-2012 10:19:55

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

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000009.D

Injection Date: 01-Sep-2012 13:50:42

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 3377

Lims Sample ID: 5

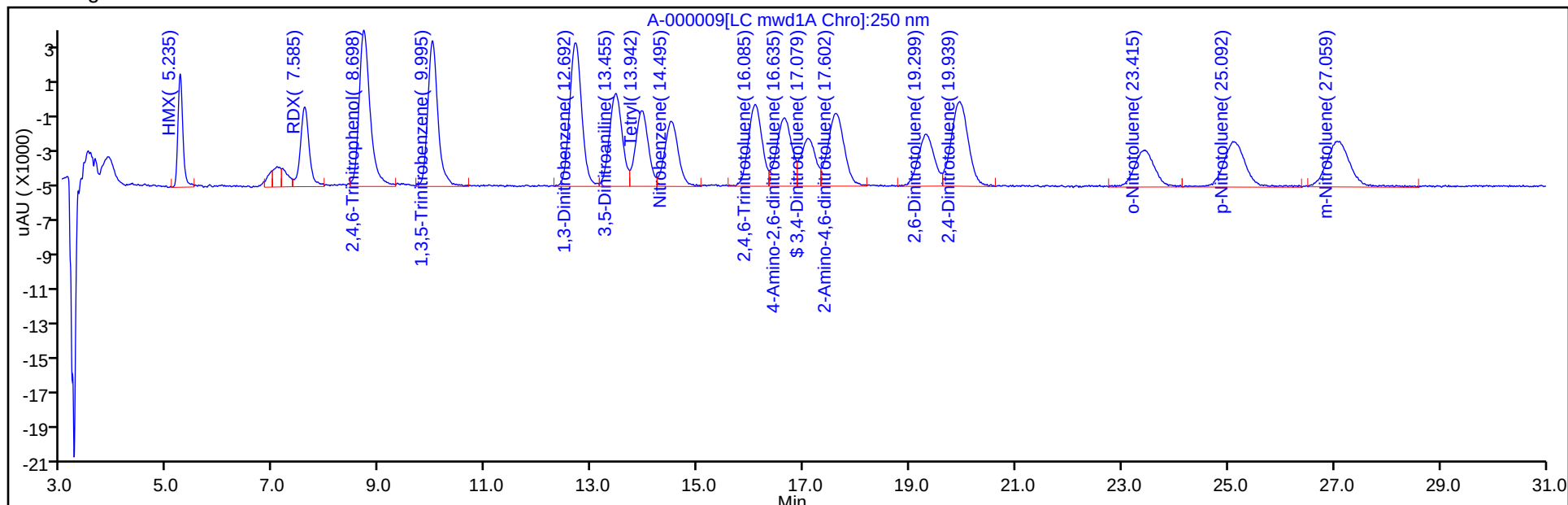
Operator ID: RN

Injection Vol: 500.0 ul

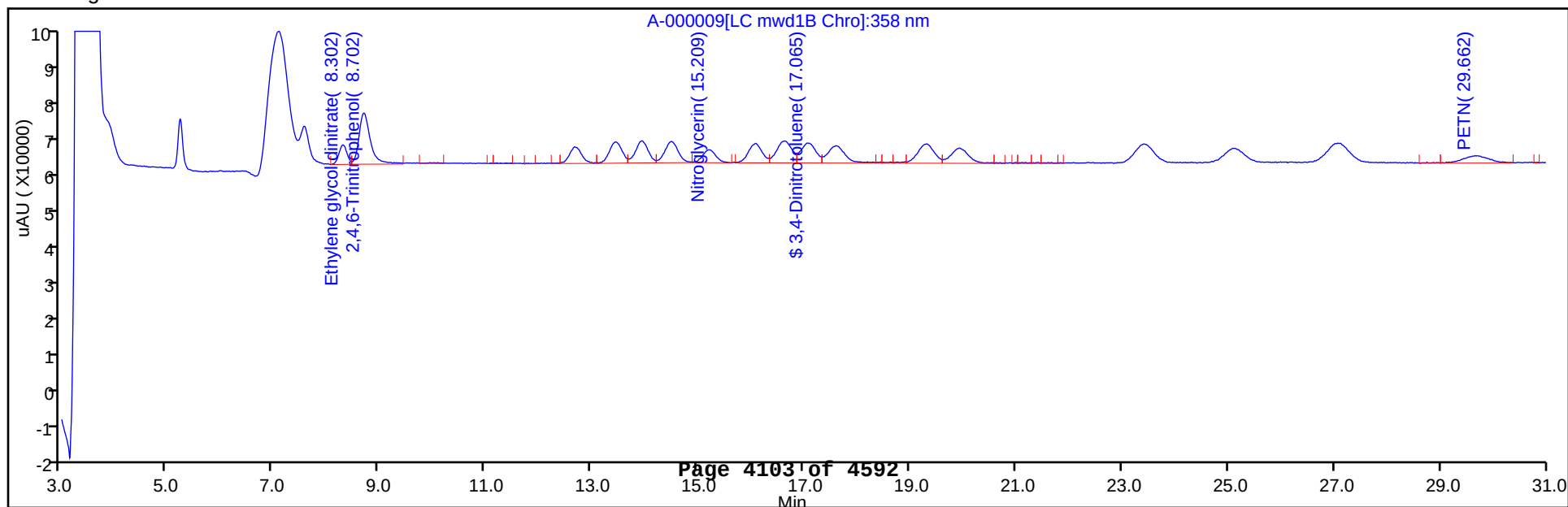
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000010.D
 Lims ID: STD05 Client ID:
 Inject. Date: 01-Sep-2012 14:30:45 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 5
 Sample ID: STD05 HP8330L5_00004 100ng/mL;1
 Misc. Info.:
 Operator: RN Instrument ID: LC10
 Injection Vol: 500.0 ul ALS Bottle#: 15
 Lims Batch ID: 3377 Lims Sample ID: 6
 Sublist: chrom-8330_LC10*sub1
 Method: \\SACChrom\ChromData\LC10\20120905-755.b\8330_LC10.m
 Last Update: 13-Sep-2012 10:19:55 Calib Date: 01-Sep-2012 16:31:00
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
 Process Host: XAWRK003

First Level Reviewer: noonanr

Date: 12-Sep-2012 13:24:27

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

11 HMX
 1 5.235 5.235 0.0 12739 101.2
 19 RDX
 1 7.579 7.579 0.0 8536 95.8
 3 Ethylene glycol dinitrate
 2 8.305 8.305 0.0 10281 106.1
 10 2,4,6-Trinitrophenol
 2 8.685 8.685 0.0 25652 208.3
 1 8.685 8.685 0.0 16956 205.0
 27 1,3,5-Trinitrobenzene
 1 9.992 9.992 0.0 16163 99.3
 24 1,3-Dinitrobenzene
 1 12.682 12.682 0.0 16021 99.1
 9 3,5-Dinitroaniline
 1 13.449 13.449 0.0 10139 97.6
 20 Tetryl
 1 13.939 13.939 0.0 8264 95.5
 5 Nitrobenzene
 1 14.495 14.495 0.0 7116 96.5
 7 Nitroglycerin
 2 15.202 15.202 0.0 6542 100.8
 25 2,4,6-Trinitrotoluene
 1 16.069 16.069 0.0 8981 96.8
 26 4-Amino-2,6-dinitrotoluene
 1 16.619 16.619 0.0 7452 98.4
 \$ 30 3,4-Dinitrotoluene
 1 17.072 17.072 0.0 5248 93.2
 2 17.082 17.082 0.0 10171 98.4

Data File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000010.D

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
6 2-Amino-4,6-dinitrotoluene						
1	17.595	17.595	0.0	8044	96.2	
12 2,6-Dinitrotoluene						
1	19.285	19.285	0.0	5620	94.3	
23 2,4-Dinitrotoluene						
1	19.925	19.925	0.0	9373	97.7	
16 o-Nitrotoluene						
1	23.415	23.415	0.0	4150	93.1	
15 p-Nitrotoluene						
1	25.102	25.102	0.0	5047	94.5	
8 m-Nitrotoluene						
1	27.052	27.052	0.0	5003	92.8	M
21 PETN						
2	29.649	29.649	0.0	3631	98.9	

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 13-Sep-2012 10:19:56

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

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000010.D

Injection Date: 01-Sep-2012 14:30:45

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 3377

Lims Sample ID: 6

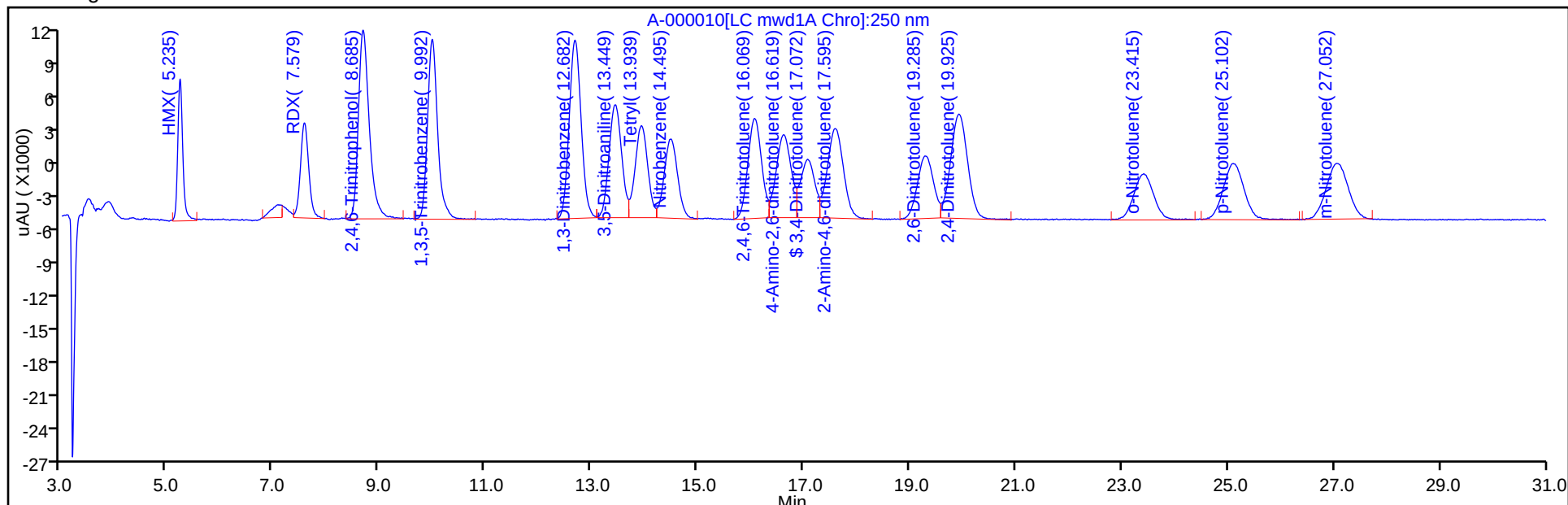
Operator ID: RN

Injection Vol: 500.0 ul

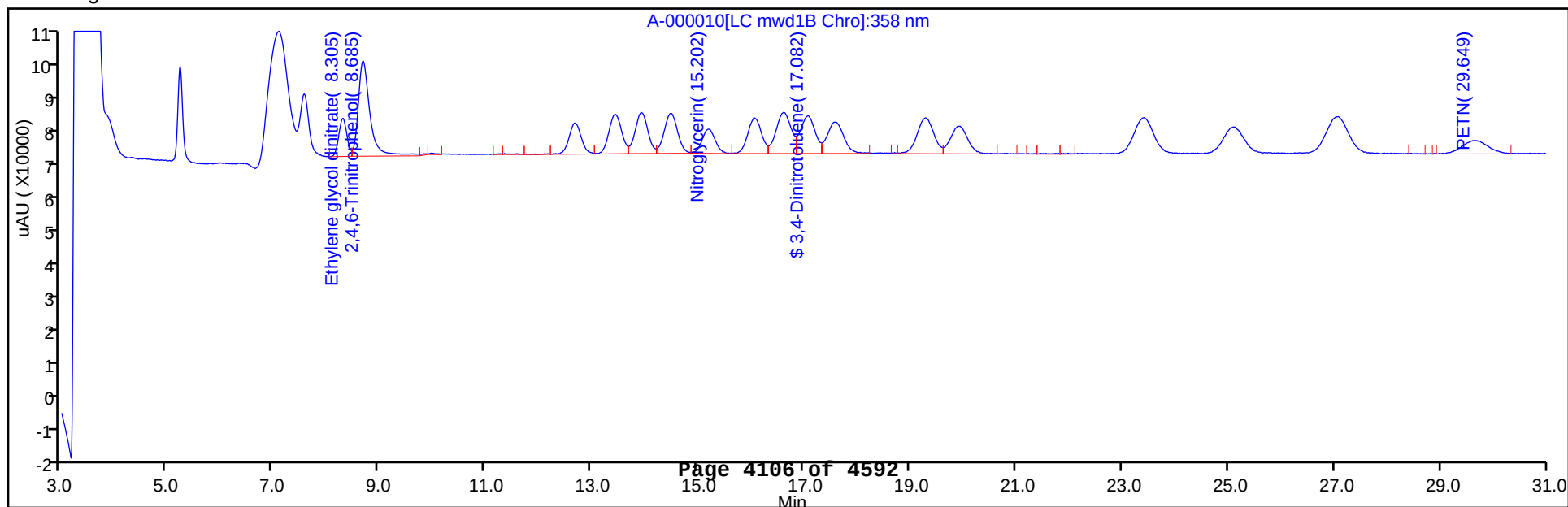
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000010.D

Injection Date: 01-Sep-2012 14:30:45

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 3377

Lims Sample ID: 6

Operator ID: RN

Injection Vol: 500.0 ul

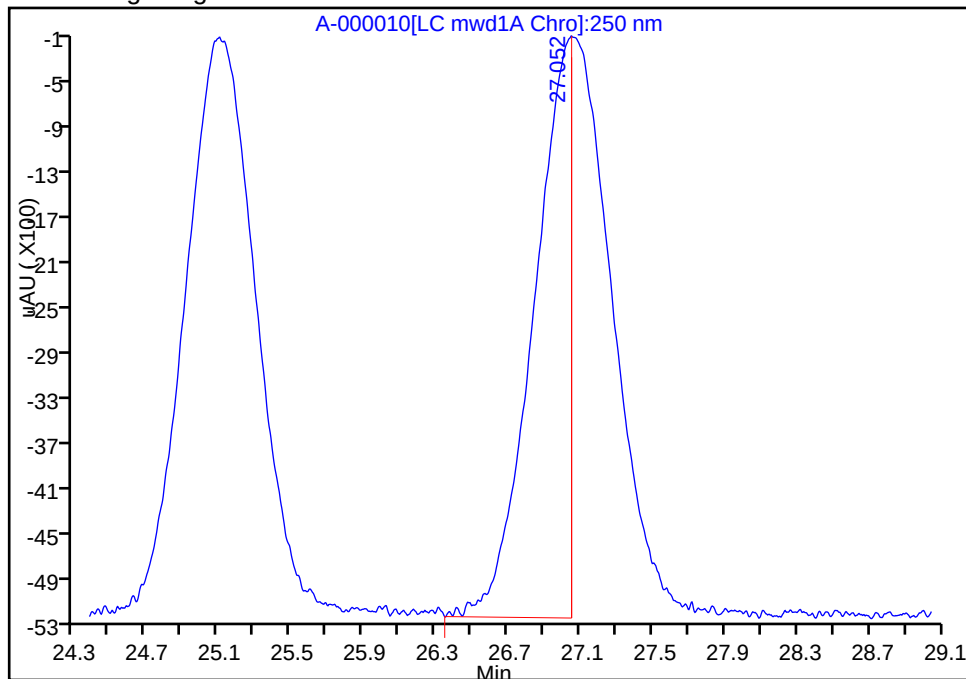
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

8 m-Nitrotoluene, Signal: 1, Type: quant, RT: 27.05, Det: LC mwd1A

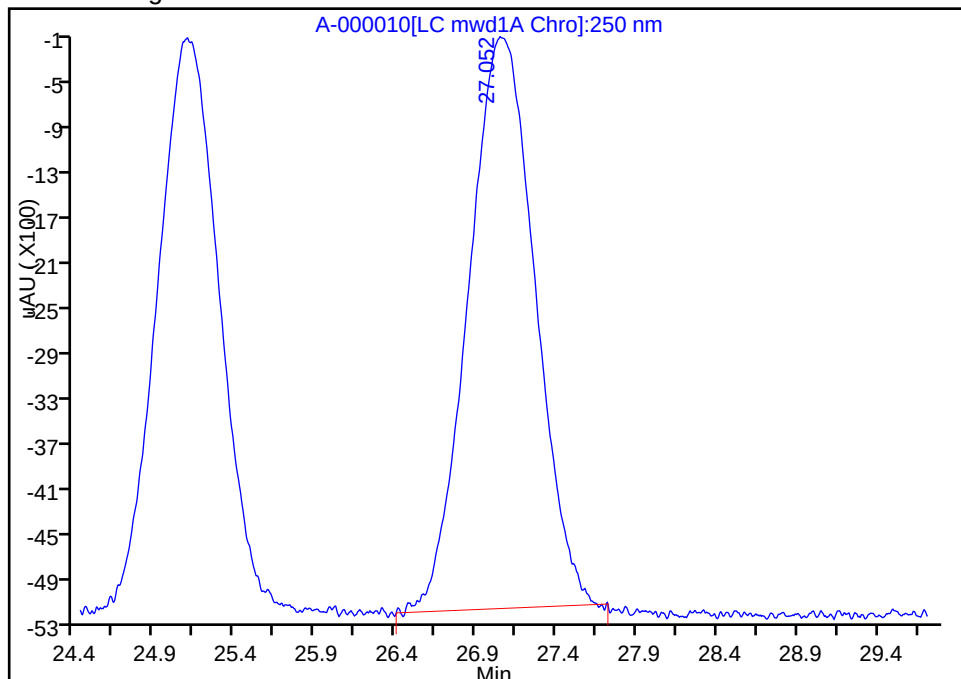
RT: 27.05
Response: 5091
Amount: 94.175972

Processing Integration Results



RT: 27.05
Response: 5003
Amount: 92.750560

Manual Integration Results



Reviewer: noonanr, 13-Sep-2012 09:42:08

Audit Action: Manually Integrated

Audit Reason: Baseline

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000011.D
 Lims ID: STD06 Client ID:
 Inject. Date: 01-Sep-2012 15:10:52 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 6
 Sample ID: STD06 HP8330L6_00004 200ng/mL;1
 Misc. Info.:
 Operator: RN Instrument ID: LC10
 Injection Vol: 500.0 ul ALS Bottle#: 16
 Lims Batch ID: 3377 Lims Sample ID: 7
 Sublist: chrom-8330_LC10*sub1
 Method: \\SACChrom\ChromData\LC10\20120905-755.b\8330_LC10.m
 Last Update: 13-Sep-2012 10:19:56 Calib Date: 01-Sep-2012 16:31:00
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
 Process Host: XAWRK003

First Level Reviewer: noonanr

Date: 12-Sep-2012 13:26:22

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	5.233	5.235	-0.002	25014	198.8	
19 RDX						
1	7.573	7.579	-0.006	16712	187.8	
3 Ethylene glycol dinitrate						
2	8.296	8.305	-0.009	20128	207.8	
10 2,4,6-Trinitrophenol						
2	8.650	8.685	-0.035	61874	502.4	
1	8.650	8.685	-0.035	41089	497.0	
27 1,3,5-Trinitrobenzene						
1	9.986	9.992	-0.006	31839	195.7	
24 1,3-Dinitrobenzene						
1	12.677	12.682	-0.005	31698	196.1	
9 3,5-Dinitroaniline						
1	13.437	13.449	-0.012	20311	195.4	
20 Tetryl						
1	13.933	13.939	-0.006	16873	194.9	
5 Nitrobenzene						
1	14.487	14.495	-0.008	14274	193.5	
7 Nitroglycerin						
2	15.197	15.202	-0.005	12931	199.3	
25 2,4,6-Trinitrotoluene						
1	16.067	16.069	-0.002	18091	194.9	
26 4-Amino-2,6-dinitrotoluene						
1	16.607	16.619	-0.012	15085	199.1	
\$ 30 3,4-Dinitrotoluene						
1	17.073	17.072	0.001	10674	189.4	
2	17.070	17.082	-0.012	19828	191.9	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
6 2-Amino-4,6-dinitrotoluene						
1	17.587	17.595	-0.008	16240	194.2	
12 2,6-Dinitrotoluene						
1	19.293	19.285	0.008	11446	192.1	
23 2,4-Dinitrotoluene						
1	19.917	19.925	-0.008	18903	196.9	
16 o-Nitrotoluene						
1	23.400	23.415	-0.015	8159	183.1	
15 p-Nitrotoluene						
1	25.087	25.102	-0.015	10033	187.7	
8 m-Nitrotoluene						
1	27.060	27.052	0.008	10192	188.9	
21 PETN						
2	29.663	29.649	0.014	7108	193.5	

Report Date: 13-Sep-2012 10:19:57

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

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000011.D

Injection Date: 01-Sep-2012 15:10:52

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 3377

Lims Sample ID: 7

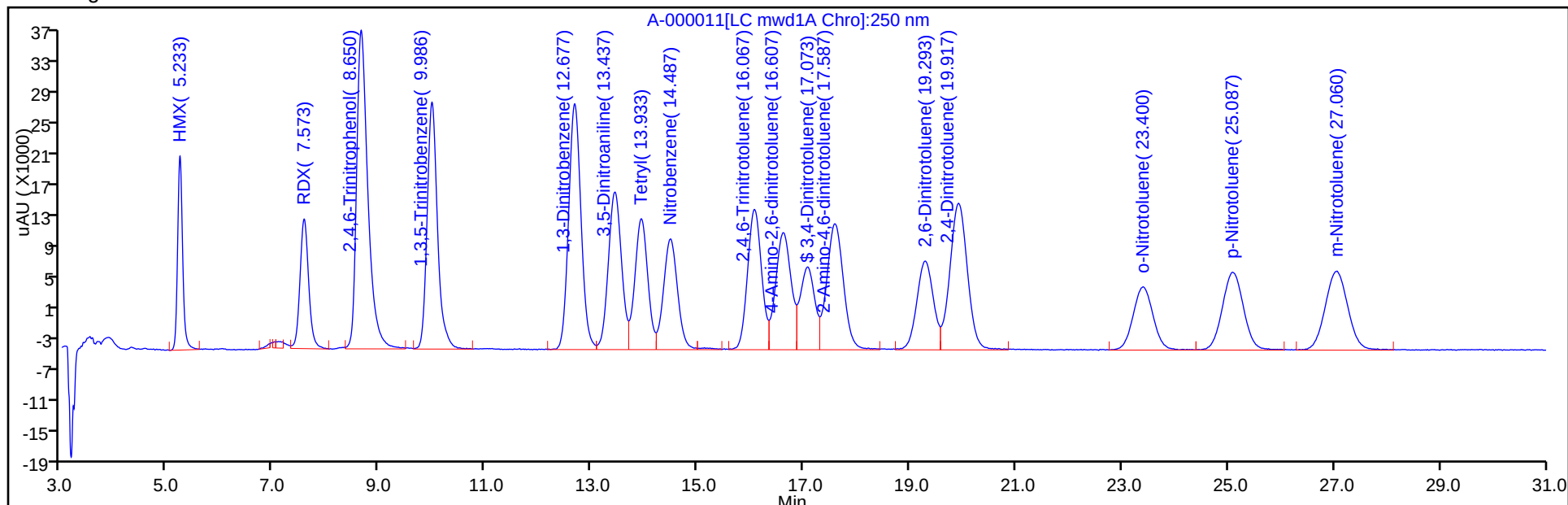
Operator ID: RN

Injection Vol: 500.0 ul

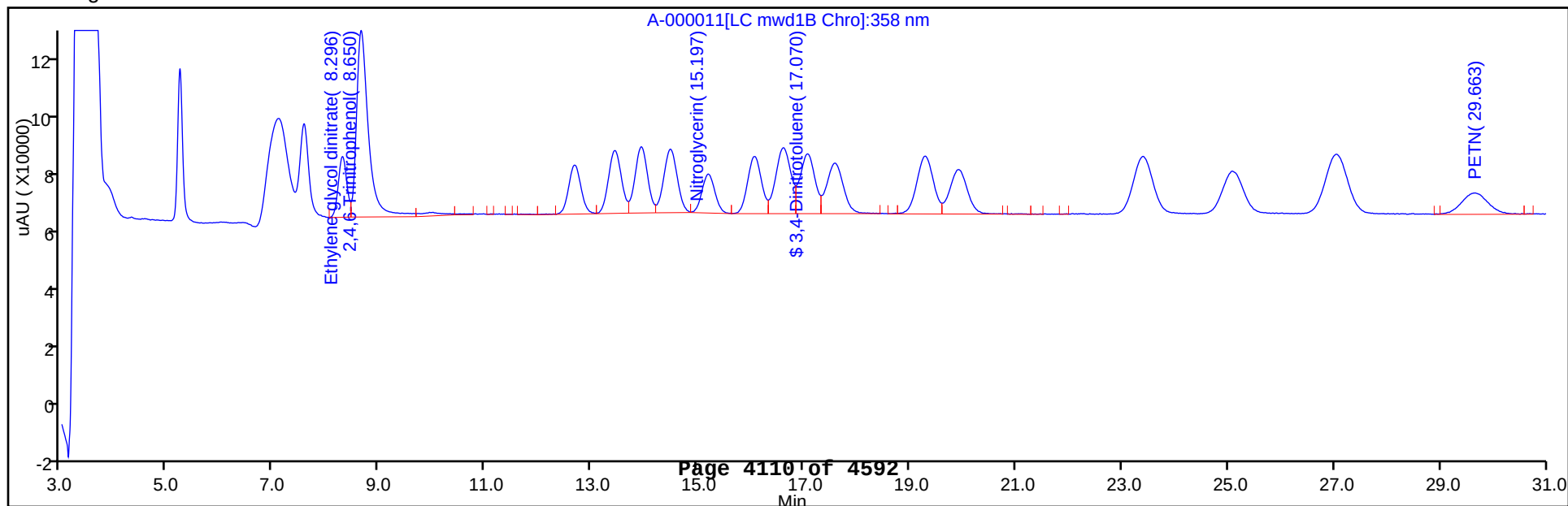
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000012.D
 Lims ID: STD07 Client ID:
 Inject. Date: 01-Sep-2012 15:50:51 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 7
 Sample ID: STD07 HP8330L7_00003 500ng/mL;1
 Misc. Info.:
 Operator: RN Instrument ID: LC10
 Injection Vol: 500.0 ul ALS Bottle#: 17
 Lims Batch ID: 3377 Lims Sample ID: 8
 Sublist: chrom-8330_LC10*sub1
 Method: \\SACChrom\ChromData\LC10\20120905-755.b\8330_LC10.m
 Last Update: 13-Sep-2012 10:19:57 Calib Date: 01-Sep-2012 16:31:00
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
 Process Host: XAWRK003

First Level Reviewer: noonanr

Date: 12-Sep-2012 13:26:45

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	5.219	5.235	-0.016	60012	477.0	
19 RDX						
1	7.552	7.579	-0.027	38684	434.7	
3 Ethylene glycol dinitrate						
2	8.275	8.305	-0.030	46640	481.5	
10 2,4,6-Trinitrophenol						
2	8.589	8.685	-0.096	113505	921.6	
1	8.589	8.685	-0.096	76565	926.2	
27 1,3,5-Trinitrobenzene						
1	9.965	9.992	-0.027	75872	466.4	
24 1,3-Dinitrobenzene						
1	12.652	12.682	-0.030	75133	464.7	
9 3,5-Dinitroaniline						
1	13.406	13.449	-0.043	48539	467.1	
20 Tetryl						
1	13.912	13.939	-0.027	41709	481.9	
5 Nitrobenzene						
1	14.459	14.495	-0.036	33500	454.3	
7 Nitroglycerin						
2	15.172	15.202	-0.030	31323	482.7	
25 2,4,6-Trinitrotoluene						
1	16.046	16.069	-0.023	44540	480.0	
26 4-Amino-2,6-dinitrotoluene						
1	16.579	16.619	-0.040	36822	486.2	
\$ 30 3,4-Dinitrotoluene						
1	17.032	17.072	-0.040	16552	293.9	
2	17.046	17.082	-0.036	30648	296.6	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
6 2-Amino-4,6-dinitrotoluene						
1	17.552	17.595	-0.043	39404	471.4	
12 2,6-Dinitrotoluene						
1	19.259	19.285	-0.026	27941	469.0	
23 2,4-Dinitrotoluene						
1	19.886	19.925	-0.039	46229	481.7	
16 o-Nitrotoluene						
1	23.366	23.415	-0.049	19740	443.0	
15 p-Nitrotoluene						
1	25.062	25.102	-0.040	24382	456.3	
8 m-Nitrotoluene						
1	27.016	27.052	-0.036	24716	458.3	
21 PETN						
2	29.619	29.649	-0.030	17810	485.0	

Report Date: 13-Sep-2012 10:19:57

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

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000012.D

Injection Date: 01-Sep-2012 15:50:51

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 3377

Lims Sample ID: 8

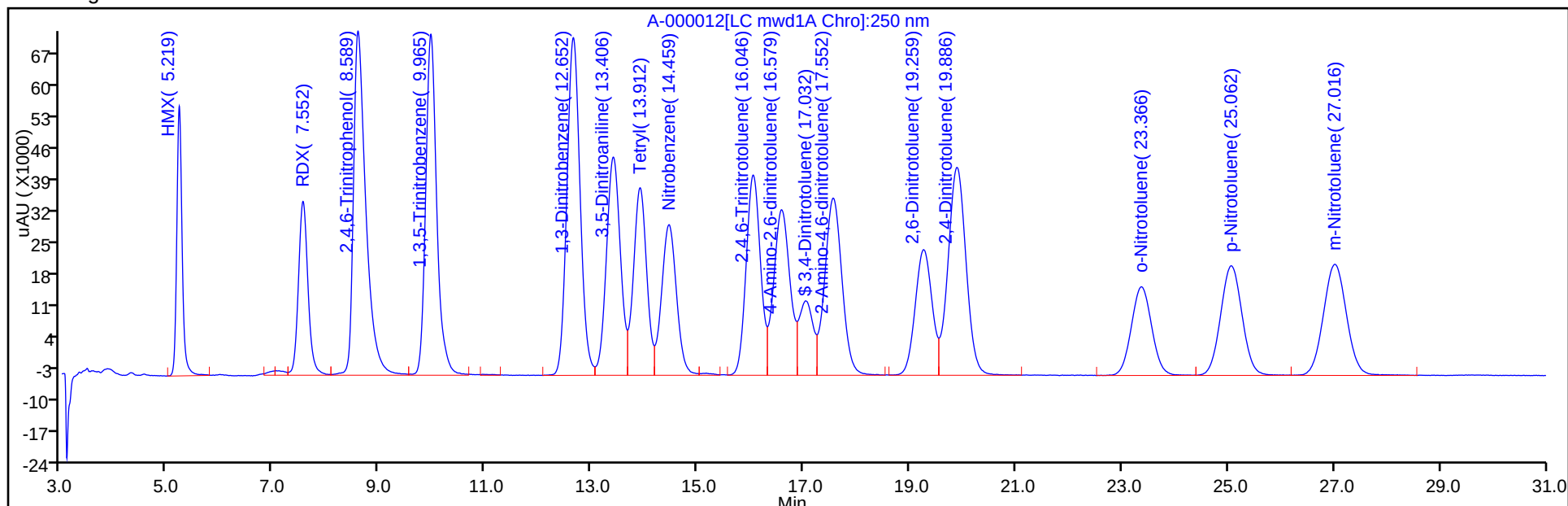
Operator ID: RN

Injection Vol: 500.0 ul

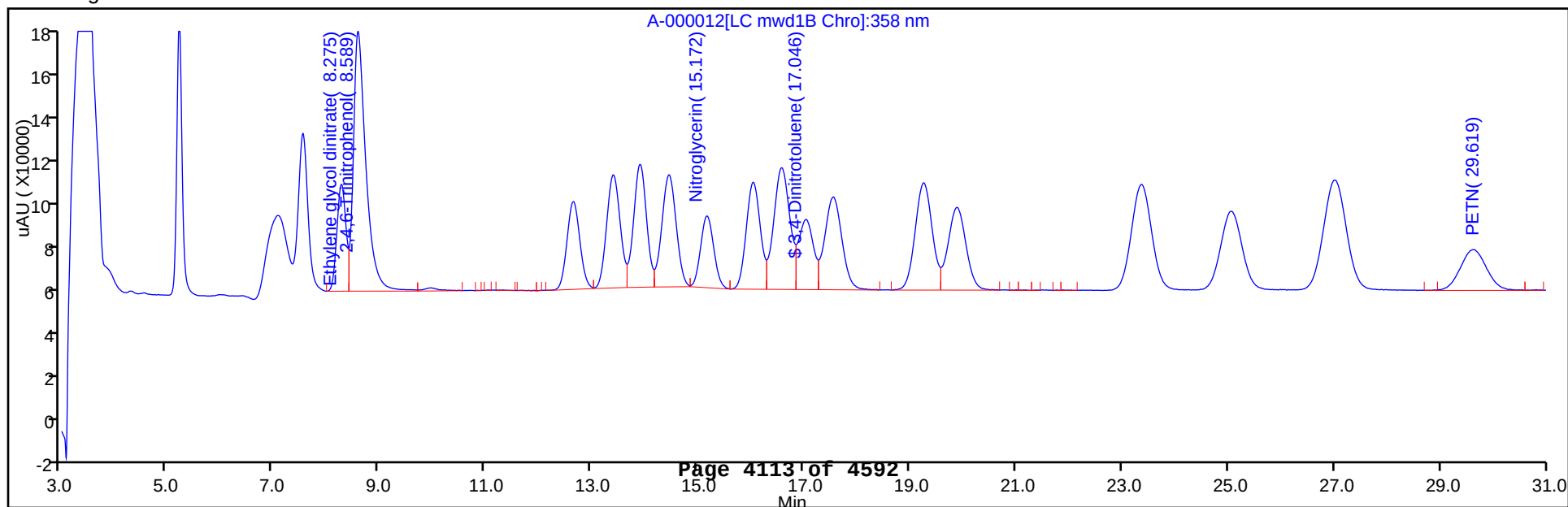
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D
 Lims ID: STD08 Client ID:
 Inject. Date: 01-Sep-2012 16:31:00 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 8
 Sample ID: STD08 HP8330L1_00003 1000ng/mL;1
 Misc. Info.:
 Operator: RN Instrument ID: LC10
 Injection Vol: 500.0 ul ALS Bottle#: 18
 Lims Batch ID: 3377 Lims Sample ID: 9
 Sublist: chrom-8330_LC10*sub1
 Method: \\SACChrom\ChromData\LC10\20120905-755.b\8330_LC10.m
 Last Update: 13-Sep-2012 10:19:58 Calib Date: 01-Sep-2012 16:31:00
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
 Process Host: XAWRK003

First Level Reviewer: noonanr

Date: 12-Sep-2012 13:31:32

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	5.195	5.235	-0.040	103824	825.3	
19 RDX						
1	7.512	7.579	-0.067	62894	706.8	
3 Ethylene glycol dinitrate						
2	8.245	8.305	-0.060	78274	808.1	
10 2,4,6-Trinitrophenol						
2	8.499	8.685	-0.186	192528	1563.2	
1	8.495	8.685	-0.190	130237	1575.4	
27 1,3,5-Trinitrobenzene						
1	9.925	9.992	-0.067	131741	809.9	
24 1,3-Dinitrobenzene						
1	12.602	12.682	-0.080	129194	799.1	
9 3,5-Dinitroaniline						
1	13.349	13.449	-0.100	83656	805.1	
20 Tetryl						
1	13.866	13.939	-0.073	78184	903.3	
5 Nitrobenzene						
1	14.399	14.495	-0.096	58527	793.7	
7 Nitroglycerin						
2	15.126	15.202	-0.076	56481	870.5	
25 2,4,6-Trinitrotoluene						
1	16.002	16.069	-0.067	82556	889.7	
26 4-Amino-2,6-dinitrotoluene						
1	16.519	16.619	-0.100	66457	877.5	
\$ 30 3,4-Dinitrotoluene						
1	16.972	17.072	-0.100	26867	477.1	
2	16.982	17.082	-0.100	48479	469.2	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
6 2-Amino-4,6-dinitrotoluene						
1	17.489	17.595	-0.106	70652	845.2	
12 2,6-Dinitrotoluene						
1	19.199	19.285	-0.086	51202	859.4	
23 2,4-Dinitrotoluene						
1	19.829	19.925	-0.096	84833	884.0	
16 o-Nitrotoluene						
1	23.292	23.415	-0.123	36585	821.1	
15 p-Nitrotoluene						
1	24.989	25.102	-0.113	45695	855.2	
8 m-Nitrotoluene						
1	26.939	27.052	-0.113	46712	866.1	
21 PETN						
2	29.569	29.649	-0.080	34728	945.6	

Report Date: 13-Sep-2012 10:19:58

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

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D

Injection Date: 01-Sep-2012 16:31:00

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 3377

Lims Sample ID: 9

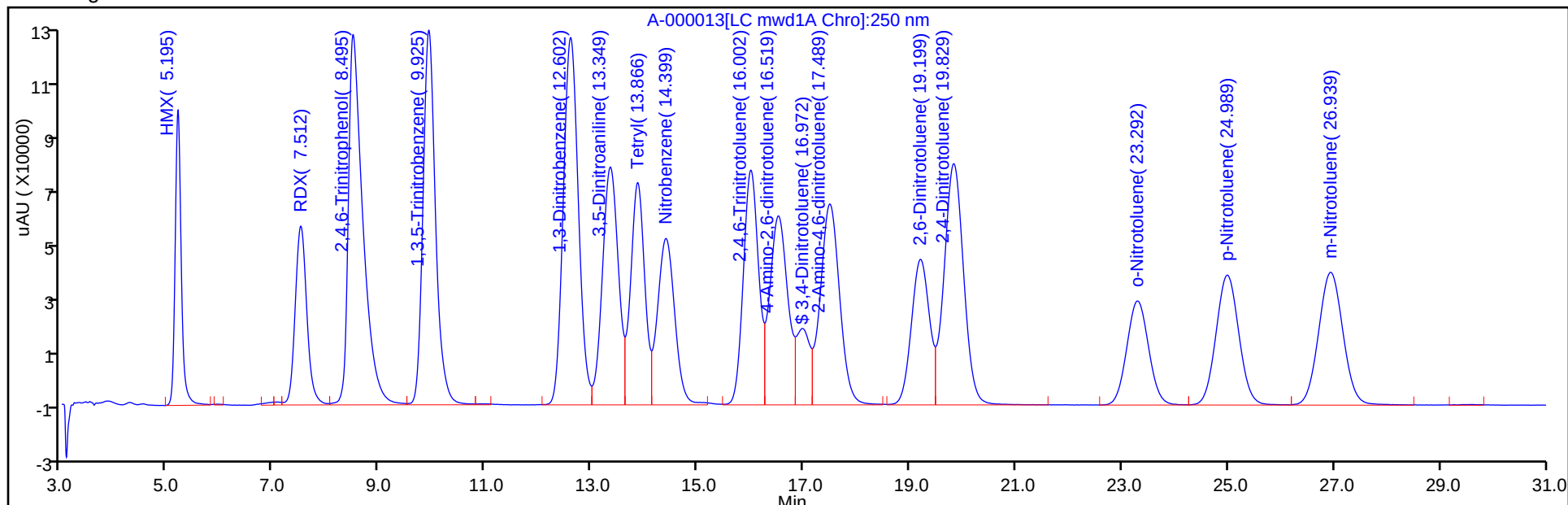
Operator ID: RN

Injection Vol: 500.0 ul

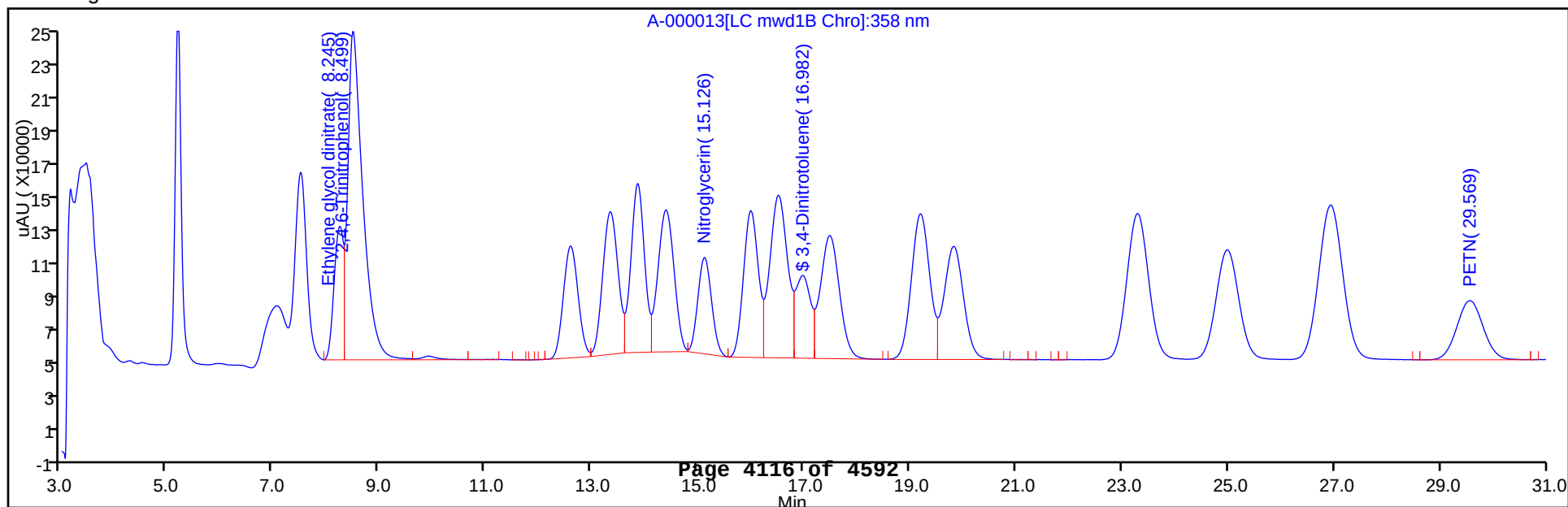
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-18703-1
 SDG No.: _____
 Lab Sample ID: ICV 320-3377/11 Calibration Date: 09/01/2012 17:51
 Instrument ID: LC10 Calib Start Date: 09/01/2012 11:50
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 09/01/2012 16:31
 Lab File ID: A-000015.D Conc. Units: ng/mL

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

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18703-1
 SDG No.: _____
 Lab Sample ID: ICV 320-3377/11 Calibration Date: 09/01/2012 17:51
 Instrument ID: LC10 Calib Start Date: 09/01/2012 11:50
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 09/01/2012 16:31
 Lab File ID: A-000015.D

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

TestAmerica West Sacramento
Target Compound Quantitation Report

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

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

First Level Reviewer: noonanr

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

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	5.238	5.235	0.003	64694	514.2	
19 RDX						
1	7.584	7.579	0.005	43361	487.3	
3 Ethylene glycol dinitrate						
2	8.304	8.305	-0.001	56056	578.7	
10 2,4,6-Trinitrophenol						
2	8.611	8.685	-0.074	118451	961.8	
1	8.611	8.685	-0.074	78800	953.2	
27 1,3,5-Trinitrobenzene						
1	9.991	9.992	-0.001	79307	487.5	
24 1,3-Dinitrobenzene						
1	12.684	12.682	0.002	77842	481.5	
9 3,5-Dinitroaniline						
1	13.438	13.449	-0.011	54213	521.7	
20 Tetryl						
1	13.938	13.939	-0.001	46038	531.9	
5 Nitrobenzene						
1	14.488	14.495	-0.007	35885	486.6	
7 Nitroglycerin						
2	15.194	15.202	-0.008	32066	494.2	
25 2,4,6-Trinitrotoluene						
1	16.071	16.069	0.002	47381	510.6	
26 4-Amino-2,6-dinitrotoluene						
1	16.611	16.619	-0.008	36286	479.1	
6 2-Amino-4,6-dinitrotoluene						
1	17.591	17.595	-0.004	40559	485.2	

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

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

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

TestAmerica West Sacramento

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

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

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 3377

Lims Sample ID: 11

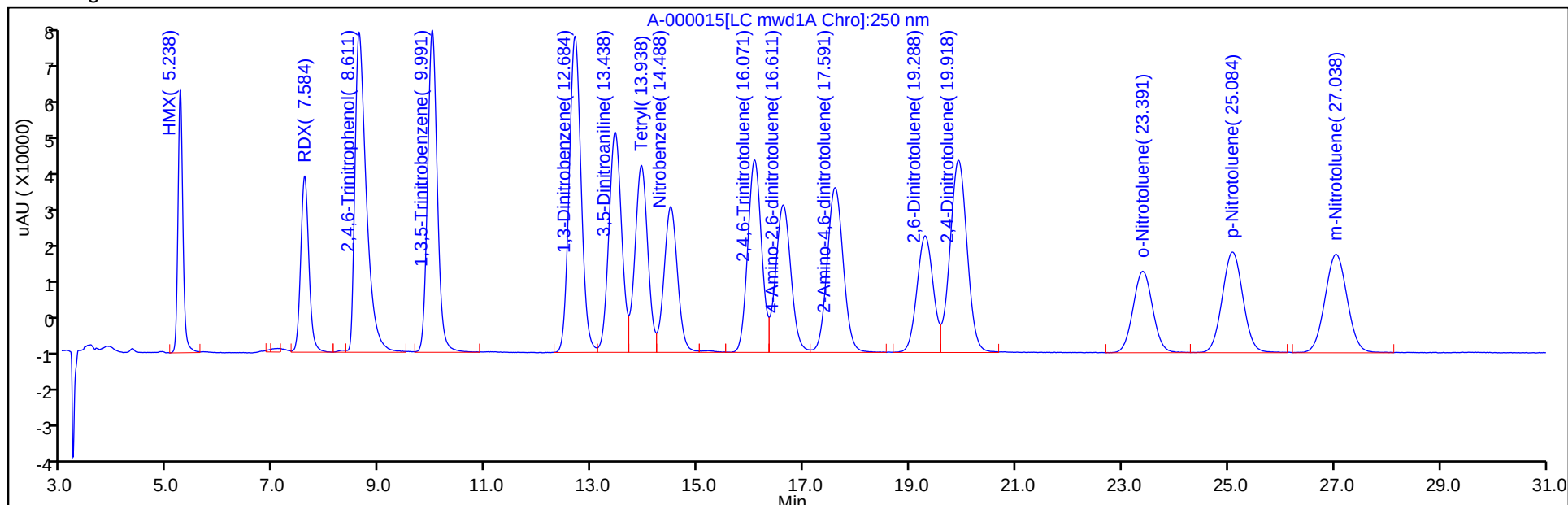
Operator ID: RN

Injection Vol: 500.0 ul

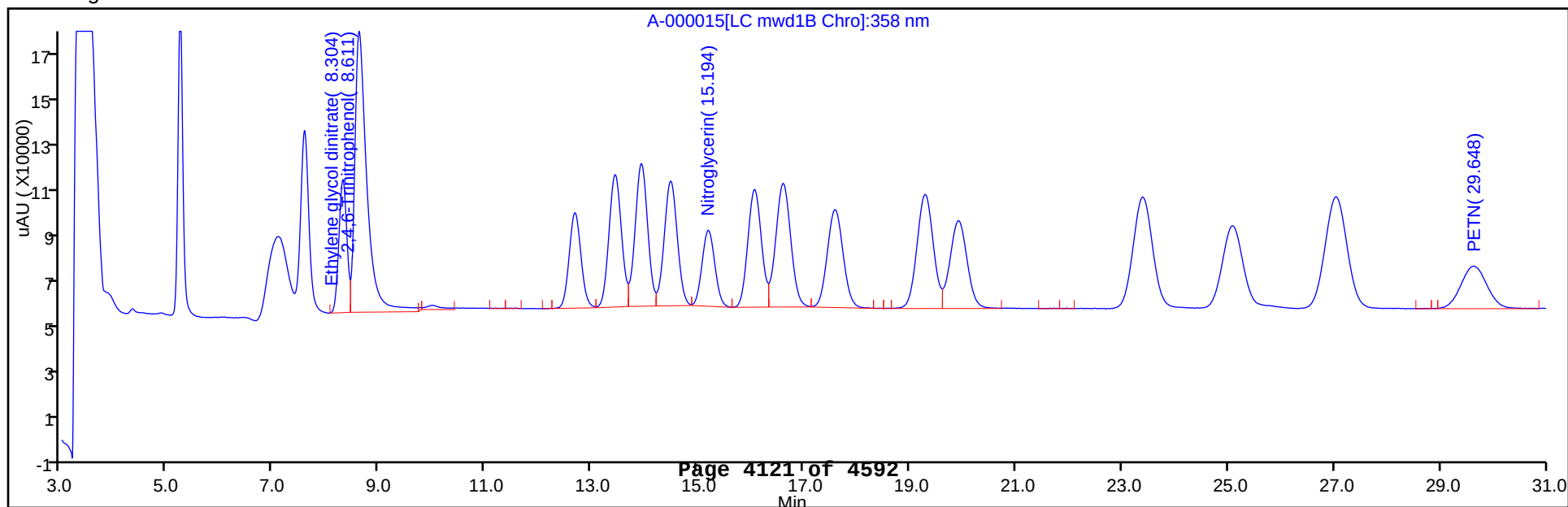
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-18703-1
 SDG No.: _____
 Lab Sample ID: LODV 320-3377/13 Calibration Date: 09/01/2012 19:11
 Instrument ID: LC10 Calib Start Date: 09/01/2012 11:50
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 09/01/2012 16:31
 Lab File ID: A-000017.D Conc. Units: ng/mL

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

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18703-1
 SDG No.: _____
 Lab Sample ID: LODV 320-3377/13 Calibration Date: 09/01/2012 19:11
 Instrument ID: LC10 Calib Start Date: 09/01/2012 11:50
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 09/01/2012 16:31
 Lab File ID: A-000017.D

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

TestAmerica West Sacramento
Target Compound Quantitation Report

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

First Level Reviewer: noonanr

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

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

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

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

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

16 o-Nitrotoluene

1 23.316 23.415 -0.099 276 6.19

15 p-Nitrotoluene

1 25.066 25.102 -0.036 346 6.48

8 m-Nitrotoluene

1 26.999 27.052 -0.053 313 5.80

21 PETN

2 29.572 29.649 -0.077 728 19.8

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

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

TestAmerica West Sacramento

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

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

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 3377

Lims Sample ID: 13

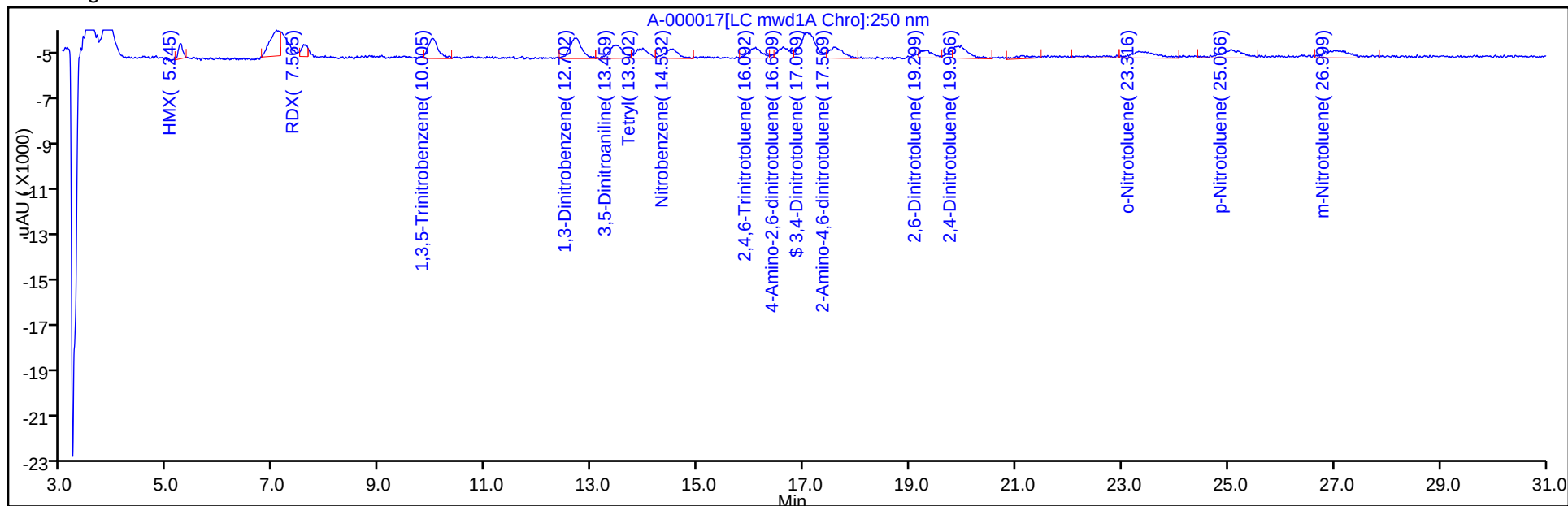
Operator ID: RN

Injection Vol: 500.0 ul

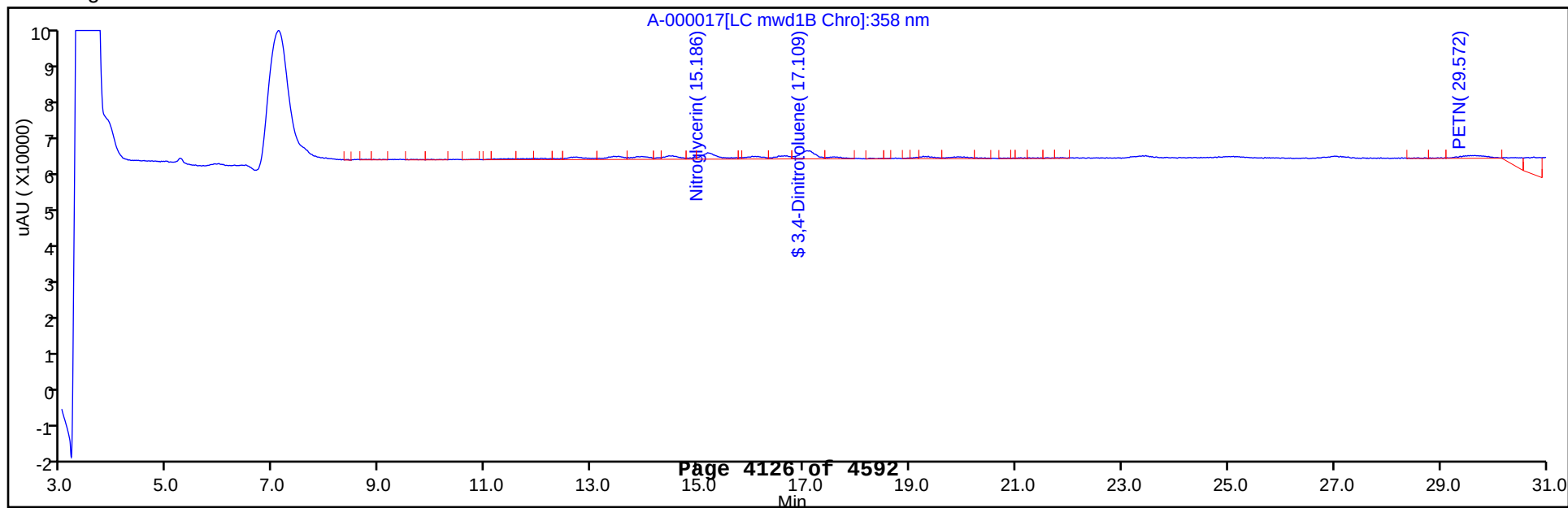
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-18703-1
 SDG No.: _____
 Lab Sample ID: CCV 320-7620/14 Calibration Date: 12/20/2012 01:05
 Instrument ID: LC10 Calib Start Date: 09/01/2012 11:50
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 09/01/2012 16:31
 Lab File ID: S000014.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
HMX	Ave	125.8	126.9		101	100	0.9	20.0
RDX	Ave	88.99	87.97		98.9	100	-1.1	20.0
Ethylene glycol dinitrate	Ave	96.86	102.4		106	100	5.7	20.0
1,3,5-Trinitrobenzene	Ave	162.7	163.3		100	100	0.4	20.0
1,3-Dinitrobenzene	Ave	161.7	163.1		101	100	0.9	20.0
3,5-Dinitroaniline	Ave	103.9	104.5		101	100	0.6	20.0
Tetryl	Ave	86.55	94.38		109	100	9.0	20.0
Nitrobenzene	Ave	73.74	73.58		99.8	100	-0.2	20.0
Nitroglycerin	Ave	64.89	65.02		100	100	0.2	20.0
2,4,6-Trinitrotoluene	Ave	92.79	98.67		106	100	6.3	20.0
4-Amino-2,6-dinitrotoluene	Ave	75.73	75.65		99.9	100	-0.1	20.0
2-Amino-4,6-dinitrotoluene	Ave	83.59	82.91		99.2	100	-0.8	20.0
2,6-Dinitrotoluene	Ave	59.58	59.32		99.6	100	-0.4	20.0
2,4-Dinitrotoluene	Ave	95.97	96.74		101	100	0.8	20.0
2-Nitrotoluene	Ave	44.56	42.28		94.9	100	-5.1	20.0
4-Nitrotoluene	Ave	53.43	51.75		96.9	100	-3.1	20.0
3-Nitrotoluene	Ave	53.94	52.25		96.9	100	-3.1	20.0
PETN	Ave	36.72	38.84		106	100	5.8	20.0
3,4-Dinitrotoluene	Ave	56.32	53.84		95.6	100	-4.4	20.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18703-1
 SDG No.: _____
 Lab Sample ID: CCV 320-7620/14 Calibration Date: 12/20/2012 01:05
 Instrument ID: LC10 Calib Start Date: 09/01/2012 11:50
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 09/01/2012 16:31
 Lab File ID: S000014.D

Analyte	RT	RT WINDOW	
		FROM	TO
HMX	5.22	4.97	5.47
RDX	7.52	7.27	7.77
Ethylene glycol dinitrate	8.22	7.97	8.47
1,3,5-Trinitrobenzene	9.88	9.63	10.13
1,3-Dinitrobenzene	12.51	12.26	12.76
3,5-Dinitroaniline	13.28	13.03	13.53
Tetryl	13.69	13.44	13.94
Nitrobenzene	14.26	14.01	14.51
Nitroglycerin	14.91	14.66	15.16
2,4,6-Trinitrotoluene	15.79	15.54	16.04
4-Amino-2,6-dinitrotoluene	16.35	16.10	16.60
2-Amino-4,6-dinitrotoluene	17.31	17.06	17.56
2,6-Dinitrotoluene	18.93	18.68	19.18
2,4-Dinitrotoluene	19.56	19.31	19.81
2-Nitrotoluene	22.93	22.68	23.18
4-Nitrotoluene	24.59	24.34	24.84
3-Nitrotoluene	26.50	26.25	26.75
PETN	28.82	28.57	29.07
3,4-Dinitrotoluene	16.77	16.52	17.02

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20121219-1888.b\S000014.D
 Lims ID: CCV 05 Client ID:
 Inject. Date: 20-Dec-2012 01:05:18 Dil. Factor: 1.0000
 Sample Type: CCVRT
 Sample ID: 320-0001888-014
 Misc. Info.:
 Operator: RN Instrument ID: LC10
 Injection Vol: 500.0 ul ALS Bottle#: 3
 Lims Batch ID: 7620 Lims Sample ID: 14
 Sublist: chrom-8330_LC10*sub1
 Method: \\SACChrom\ChromData\LC10\20121219-1888.b\8330_LC10.m
 Last Update: 20-Dec-2012 08:01:48 Calib Date: 01-Sep-2012 16:31:00
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
 Process Host: XAWRK002

First Level Reviewer: noonanr

Date: 20-Dec-2012 08:01:48

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

11 HMX						
1	5.220	5.220	0.0	12694	100.9	
19 RDX						
1	7.523	7.523	0.0	8797	98.9	
3 Ethylene glycol dinitrate						
2	8.220	8.220	0.0	10243	105.7	
10 2,4,6-Trinitrophenol						
2	8.643	8.643	0.0	24705	200.6	
1	8.640	8.640	0.0	17148	207.4	
27 1,3,5-Trinitrobenzene						
1	9.877	9.877	0.0	16329	100.4	
24 1,3-Dinitrobenzene						
1	12.513	12.513	0.0	16310	100.9	
9 3,5-Dinitroaniline						
1	13.277	13.277	0.0	10449	100.6	
20 Tetryl						
1	13.693	13.693	0.0	9438	109.0	
5 Nitrobenzene						
1	14.260	14.260	0.0	7358	99.8	
7 Nitroglycerin						
2	14.910	14.910	0.0	6502	100.2	
25 2,4,6-Trinitrotoluene						
1	15.787	15.787	0.0	9867	106.3	
26 4-Amino-2,6-dinitrotoluene						
1	16.347	16.347	0.0	7565	99.9	
\$ 30 3,4-Dinitrotoluene						
1	16.773	16.773	0.0	5384	95.6	
2	16.807	16.807	0.0	10127	98.0	

Data File: \\SACChrom\ChromData\LC10\20121219-1888.b\S000014.D

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
6 2-Amino-4,6-dinitrotoluene						
1	17.313	17.313	0.0	8291	99.2	
12 2,6-Dinitrotoluene						
1	18.933	18.933	0.0	5932	99.6	
23 2,4-Dinitrotoluene						
1	19.563	19.563	0.0	9674	100.8	
16 o-Nitrotoluene						
1	22.933	22.933	0.0	4228	94.9	
15 p-Nitrotoluene						
1	24.590	24.590	0.0	5175	96.9	
8 m-Nitrotoluene						
1	26.500	26.500	0.0	5225	96.9	
21 PETN						
2	28.823	28.823	0.0	3884	105.8	

Report Date: 20-Dec-2012 08:01:48

Chrom Revision: 2.1 14-Dec-2012 09:16:34

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121219-1888.b\S000014.D

Injection Date: 20-Dec-2012 01:05:18

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 7620

Lims Sample ID: 14

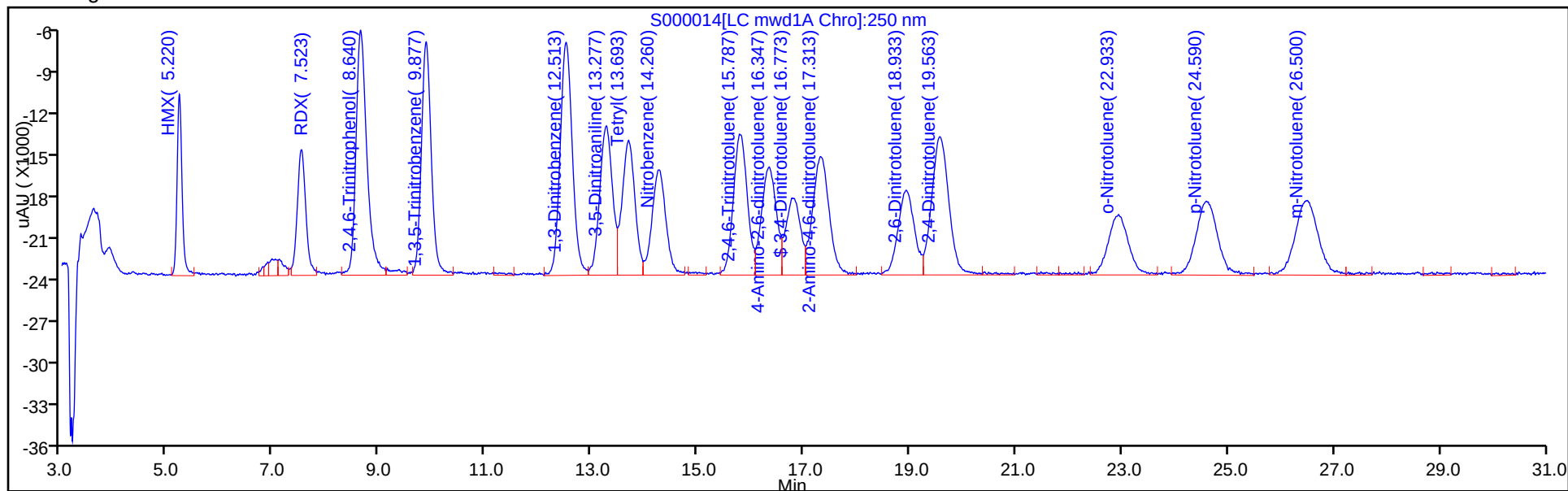
Operator ID: RN

Injection Vol: 500.0 ul

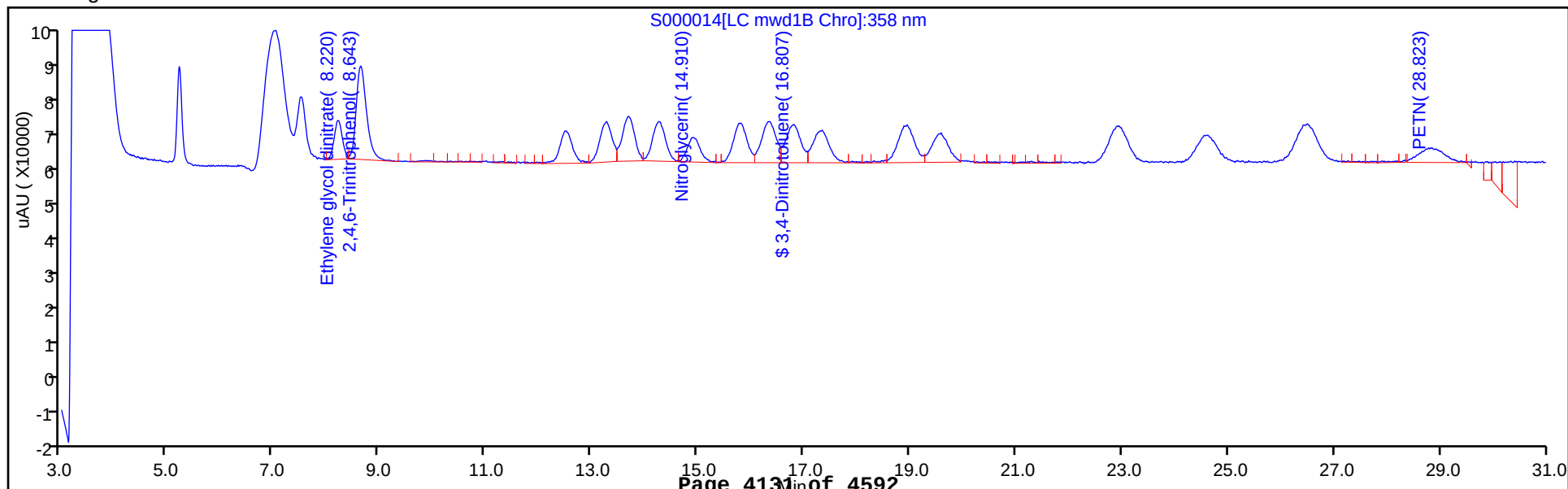
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-18703-1
 SDG No.: _____
 Lab Sample ID: CCVL 320-7620/15 Calibration Date: 12/20/2012 01:45
 Instrument ID: LC10 Calib Start Date: 09/01/2012 11:50
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 09/01/2012 16:31
 Lab File ID: S000015.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
HMX	Ave	125.8	161.6		6.42	5.00	28.5	30.0
RDX	Ave	88.99	108.4		6.09	5.00	21.8	30.0
1,3,5-Trinitrobenzene	Ave	162.7	189.8		5.83	5.00	16.7	30.0
1,3-Dinitrobenzene	Ave	161.7	193.2		5.98	5.00	19.5	30.0
3,5-Dinitroaniline	Ave	103.9	120.0		5.77	5.00	15.5	30.0
Tetryl	Ave	86.55	105.6		6.10	5.00	22.0	30.0
Nitrobenzene	Ave	73.74	82.00		5.56	5.00	11.2	30.0
Nitroglycerin	Ave	64.89	77.30		23.8	20.0	19.1	30.0
2,4,6-Trinitrotoluene	Ave	92.79	102.8		5.54	5.00	10.8	30.0
4-Amino-2,6-dinitrotoluene	Ave	75.73	104.6		6.91	5.00	38.1*	30.0
2-Amino-4,6-dinitrotoluene	Ave	83.59	105.2		6.29	5.00	25.9	30.0
2,6-Dinitrotoluene	Ave	59.58	81.40		6.83	5.00	36.6*	30.0
2,4-Dinitrotoluene	Ave	95.97	112.6		5.87	5.00	17.3	30.0
2-Nitrotoluene	Ave	44.56	61.00		6.85	5.00	36.9*	30.0
4-Nitrotoluene	Ave	53.43	84.00		7.86	5.00	57.2*	30.0
3-Nitrotoluene	Ave	53.94	82.40		7.64	5.00	52.8*	30.0
PETN	Ave	36.72	47.05		25.6	20.0	28.1	30.0
3,4-Dinitrotoluene	Ave	56.32	54.90		19.5	20.0	-2.5	30.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18703-1
 SDG No.: _____
 Lab Sample ID: CCVL 320-7620/15 Calibration Date: 12/20/2012 01:45
 Instrument ID: LC10 Calib Start Date: 09/01/2012 11:50
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 09/01/2012 16:31
 Lab File ID: S000015.D

Analyte	RT	RT WINDOW	
		FROM	TO
HMX	5.23	4.98	5.48
RDX	7.51	7.26	7.76
1,3,5-Trinitrobenzene	9.87	9.62	10.12
1,3-Dinitrobenzene	12.53	12.28	12.78
3,5-Dinitroaniline	13.21	12.96	13.46
Tetryl	13.63	13.38	13.88
Nitrobenzene	14.22	13.97	14.47
Nitroglycerin	14.89	14.64	15.14
2,4,6-Trinitrotoluene	15.69	15.44	15.94
4-Amino-2,6-dinitrotoluene	16.29	16.04	16.54
2-Amino-4,6-dinitrotoluene	17.21	16.96	17.46
2,6-Dinitrotoluene	18.91	18.66	19.16
2,4-Dinitrotoluene	19.43	19.18	19.68
2-Nitrotoluene	22.78	22.53	23.03
4-Nitrotoluene	24.52	24.27	24.77
3-Nitrotoluene	26.38	26.13	26.63
PETN	28.73	28.48	28.98
3,4-Dinitrotoluene	16.75	16.50	17.00

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20121219-1888.b\S000015.D
 Lims ID: CCVL Client ID:
 Inject. Date: 20-Dec-2012 01:45:29 Dil. Factor: 1.0000
 Sample Type: CCVL
 Sample ID: 320-0001888-015
 Misc. Info.:
 Operator: RN Instrument ID: LC10
 Injection Vol: 500.0 ul ALS Bottle#: 10
 Lims Batch ID: 7620 Lims Sample ID: 15
 Sublist: chrom-8330_LC10*sub2
 Method: \\SACChrom\ChromData\LC10\20121219-1888.b\8330_LC10.m
 Last Update: 20-Dec-2012 08:12:39 Calib Date: 01-Sep-2012 16:31:00
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
 Process Host: XAWRK002

First Level Reviewer: noonanr

Date: 20-Dec-2012 08:12:39

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	5.234	5.234	0.0	808	6.42	
19 RDX						
1	7.511	7.511	0.0	542	6.09	
27 1,3,5-Trinitrobenzene						
1	9.868	9.868	0.0	949	5.83	
24 1,3-Dinitrobenzene						
1	12.528	12.528	0.0	966	5.98	
9 3,5-Dinitroaniline						
1	13.211	13.211	0.0	600	5.77	
20 Tetryl						
1	13.634	13.634	0.0	528	6.10	
5 Nitrobenzene						
1	14.224	14.224	0.0	410	5.56	
7 Nitroglycerin						
2	14.888	14.888	0.0	1546	23.8	
25 2,4,6-Trinitrotoluene						
1	15.691	15.691	0.0	514	5.54	
26 4-Amino-2,6-dinitrotoluene						
1	16.291	16.291	0.0	523	6.91	
\$ 30 3,4-Dinitrotoluene						
1	16.754	16.754	0.0	1098	19.5	
2	16.754	16.754	0.0	2195	21.2	
6 2-Amino-4,6-dinitrotoluene						
1	17.211	17.211	0.0	526	6.29	
12 2,6-Dinitrotoluene						
1	18.911	18.911	0.0	407	6.83	M

Data File: \\SACChrom\ChromData\LC10\20121219-1888.b\S000015.D

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
23 2,4-Dinitrotoluene						
1	19.434	19.434	0.0	563	5.87	
16 o-Nitrotoluene						
1	22.781	22.781	0.0	305	6.85	
15 p-Nitrotoluene						
1	24.521	24.521	0.0	420	7.86	
8 m-Nitrotoluene						
1	26.381	26.381	0.0	412	7.64	
21 PETN						
2	28.728	28.728	0.0	941	25.6	

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 20-Dec-2012 08:12:39

Chrom Revision: 2.1 14-Dec-2012 09:16:34

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121219-1888.b\S000015.D

Injection Date: 20-Dec-2012 01:45:29

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 7620

Lims Sample ID: 15

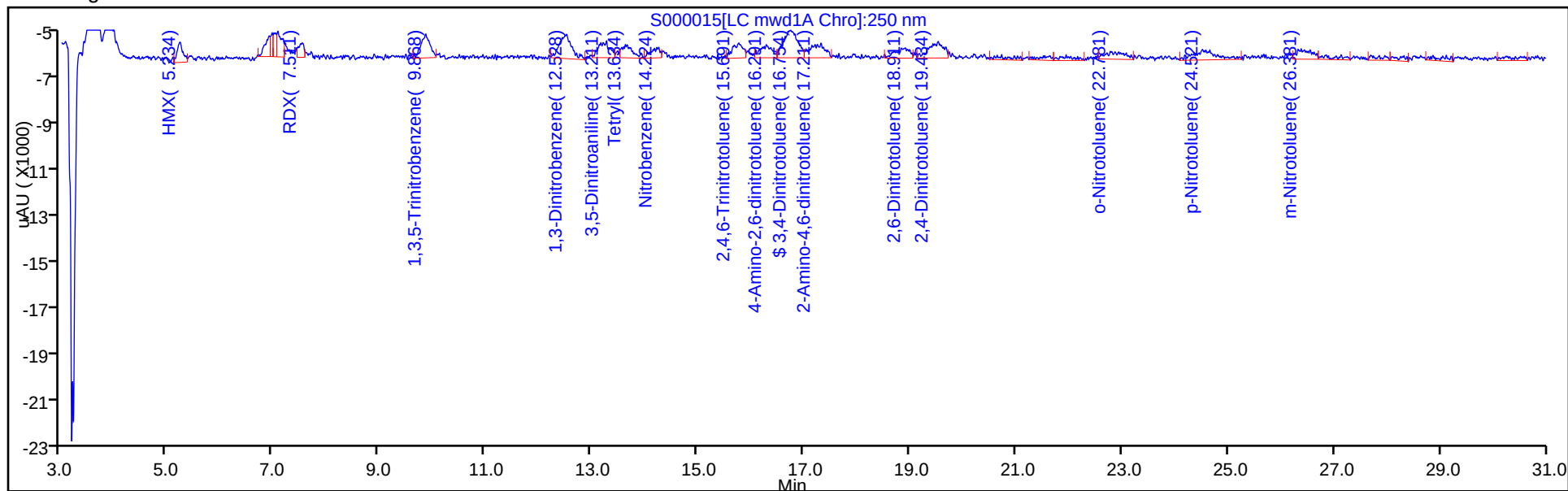
Operator ID: RN

Injection Vol: 500.0 ul

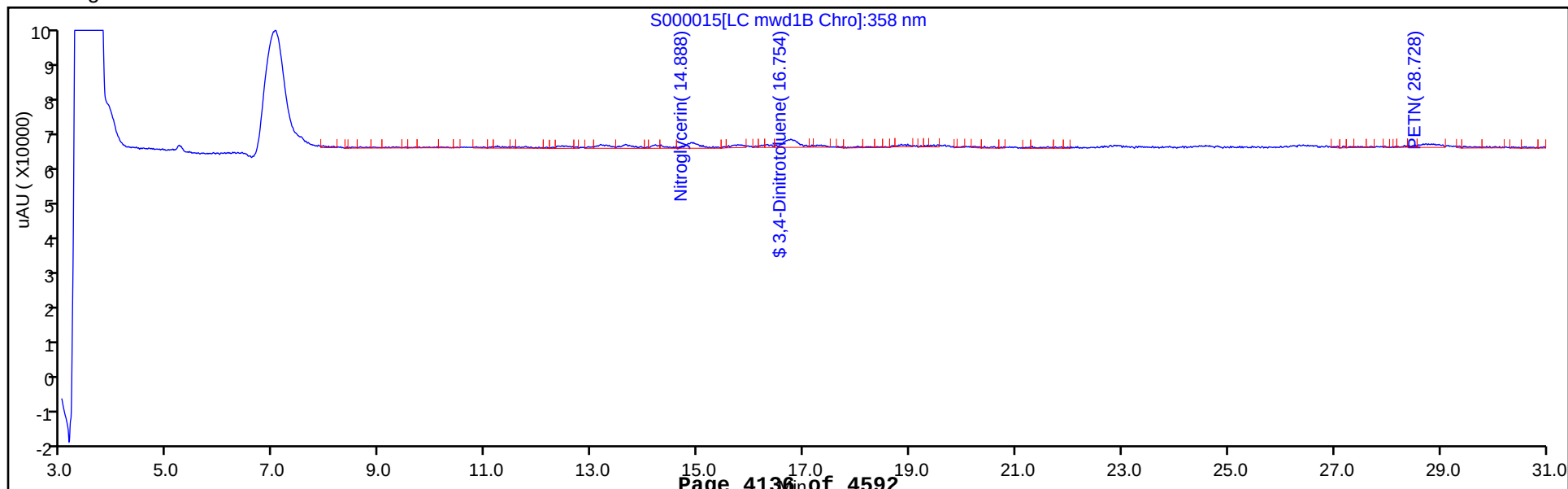
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121219-1888.b\S000015.D

Injection Date: 20-Dec-2012 01:45:29

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 7620

Lims Sample ID: 15

Operator ID: RN

Injection Vol: 500.0 ul

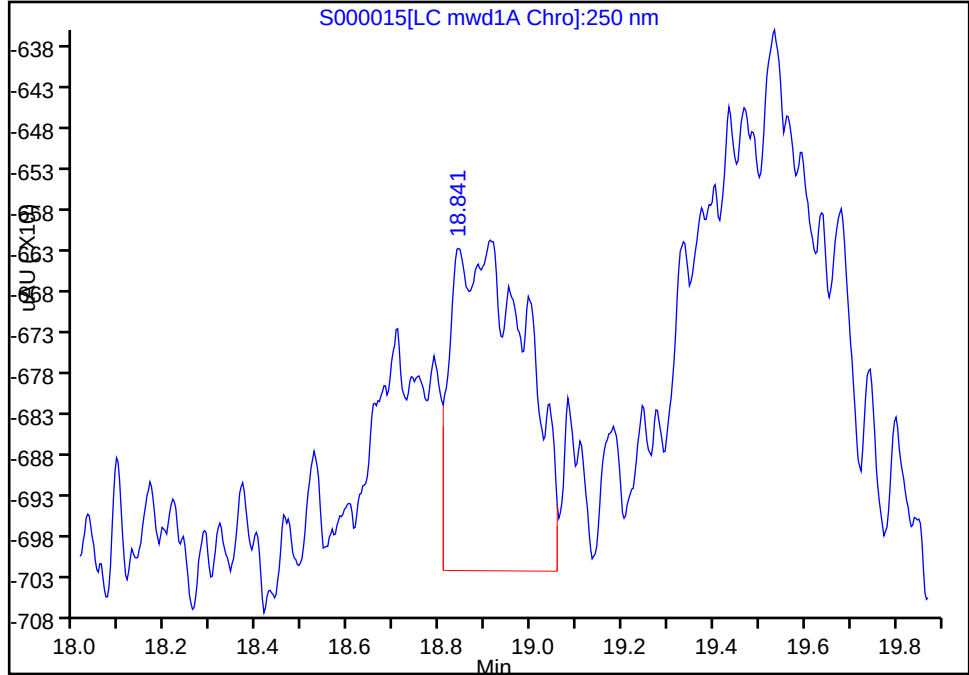
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

12 2,6-Dinitrotoluene, Signal: 1, Type: quant, RT: 18.91, Det: LC mwd1A

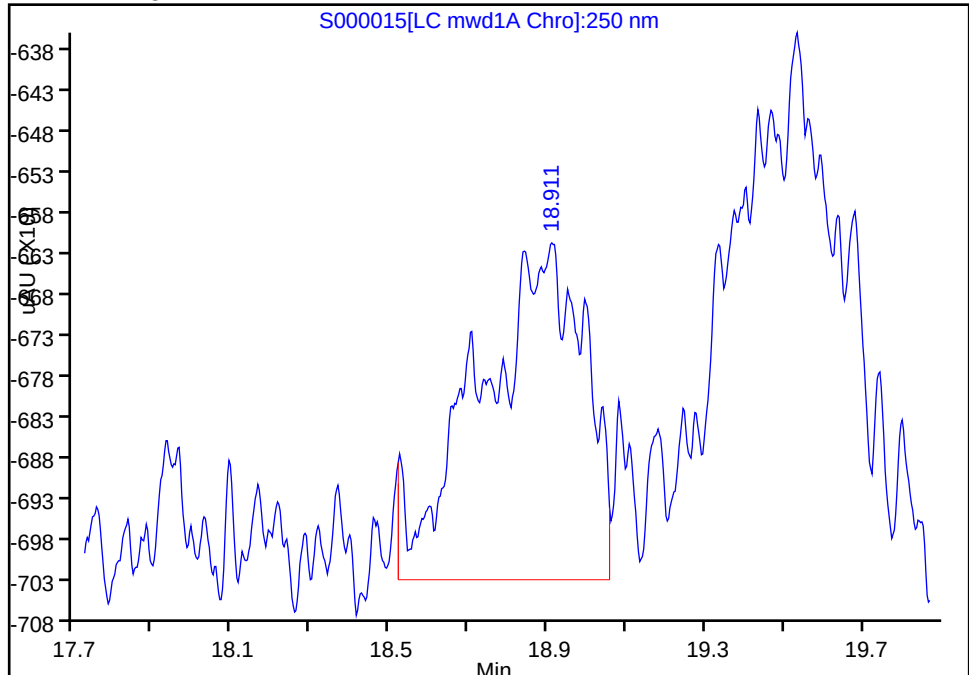
RT: 18.84
Response: 389
Amount: 6.528845

Processing Integration Results



RT: 18.91
Response: 407
Amount: 6.830951

Manual Integration Results



Reviewer: noonanr, 20-Dec-2012 08:12:39

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-18703-1
 SDG No.: _____
 Lab Sample ID: CCV 320-7620/26 Calibration Date: 12/20/2012 09:07
 Instrument ID: LC10 Calib Start Date: 09/01/2012 11:50
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 09/01/2012 16:31
 Lab File ID: S000026.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
HMX	Ave	125.8	128.2		102	100	1.9	20.0
RDX	Ave	88.99	86.61		97.3	100	-2.7	20.0
Ethylene glycol dinitrate	Ave	96.86	105.8		109	100	9.2	20.0
1,3,5-Trinitrobenzene	Ave	162.7	164.8		101	100	1.3	20.0
1,3-Dinitrobenzene	Ave	161.7	163.8		101	100	1.3	20.0
3,5-Dinitroaniline	Ave	103.9	104.9		101	100	1.0	20.0
Tetryl	Ave	86.55	93.76		108	100	8.3	20.0
Nitrobenzene	Ave	73.74	72.59		98.4	100	-1.6	20.0
Nitroglycerin	Ave	64.89	65.48		101	100	0.9	20.0
2,4,6-Trinitrotoluene	Ave	92.79	98.96		107	100	6.7	20.0
4-Amino-2,6-dinitrotoluene	Ave	75.73	75.36		99.5	100	-0.5	20.0
2-Amino-4,6-dinitrotoluene	Ave	83.59	83.50		99.9	100	-0.1	20.0
2,6-Dinitrotoluene	Ave	59.58	58.87		98.8	100	-1.2	20.0
2,4-Dinitrotoluene	Ave	95.97	96.95		101	100	1.0	20.0
2-Nitrotoluene	Ave	44.56	41.41		92.9	100	-7.1	20.0
4-Nitrotoluene	Ave	53.43	50.93		95.3	100	-4.7	20.0
3-Nitrotoluene	Ave	53.94	51.30		95.1	100	-4.9	20.0
PETN	Ave	36.72	40.26		110	100	9.6	20.0
3,4-Dinitrotoluene	Ave	56.32	54.71		97.1	100	-2.9	20.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18703-1
 SDG No.: _____
 Lab Sample ID: CCV 320-7620/26 Calibration Date: 12/20/2012 09:07
 Instrument ID: LC10 Calib Start Date: 09/01/2012 11:50
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 09/01/2012 16:31
 Lab File ID: S000026.D

Analyte	RT	RT WINDOW	
		FROM	TO
HMX	5.23	4.98	5.48
RDX	7.53	7.28	7.78
Ethylene glycol dinitrate	8.22	7.97	8.47
1,3,5-Trinitrobenzene	9.88	9.63	10.13
1,3-Dinitrobenzene	12.51	12.26	12.76
3,5-Dinitroaniline	13.28	13.03	13.53
Tetryl	13.70	13.45	13.95
Nitrobenzene	14.25	14.00	14.50
Nitroglycerin	14.91	14.66	15.16
2,4,6-Trinitrotoluene	15.80	15.55	16.05
4-Amino-2,6-dinitrotoluene	16.33	16.08	16.58
2-Amino-4,6-dinitrotoluene	17.29	17.04	17.54
2,6-Dinitrotoluene	18.91	18.66	19.16
2,4-Dinitrotoluene	19.54	19.29	19.79
2-Nitrotoluene	22.92	22.67	23.17
4-Nitrotoluene	24.55	24.30	24.80
3-Nitrotoluene	26.47	26.22	26.72
PETN	28.79	28.54	29.04
3,4-Dinitrotoluene	16.80	16.55	17.05

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20121219-1888.b\S000026.D
 Lims ID: CCV 05 Client ID:
 Inject. Date: 20-Dec-2012 09:07:59 Dil. Factor: 1.0000
 Sample Type: CCVRT
 Sample ID: 320-0001888-026
 Misc. Info.:
 Operator: RN Instrument ID: LC10
 Injection Vol: 500.0 ul ALS Bottle#: 3
 Lims Batch ID: 7620 Lims Sample ID: 26
 Sublist: chrom-8330_LC10*sub1
 Method: \\SACChrom\ChromData\LC10\20121219-1888.b\8330_LC10.m
 Last Update: 20-Dec-2012 10:13:48 Calib Date: 01-Sep-2012 16:31:00
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
 Process Host: XAWRK002

First Level Reviewer: noonanr

Date: 20-Dec-2012 10:13:48

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

11 HMX						
1	5.228	5.228	0.0	12818	101.9	
19 RDX						
1	7.528	7.528	0.0	8661	97.3	
3 Ethylene glycol dinitrate						
2	8.222	8.222	0.0	10582	109.2	
10 2,4,6-Trinitrophenol						
2	8.652	8.652	0.0	25054	203.4	
1	8.652	8.652	0.0	17117	207.1	
27 1,3,5-Trinitrobenzene						
1	9.878	9.878	0.0	16482	101.3	
24 1,3-Dinitrobenzene						
1	12.512	12.512	0.0	16376	101.3	
9 3,5-Dinitroaniline						
1	13.278	13.278	0.0	10490	101.0	
20 Tetryl						
1	13.702	13.702	0.0	9376	108.3	
5 Nitrobenzene						
1	14.248	14.248	0.0	7259	98.4	
7 Nitroglycerin						
2	14.912	14.912	0.0	6548	100.9	
25 2,4,6-Trinitrotoluene						
1	15.795	15.795	0.0	9896	106.7	
26 4-Amino-2,6-dinitrotoluene						
1	16.332	16.332	0.0	7536	99.5	
\$ 30 3,4-Dinitrotoluene						
1	16.795	16.795	0.0	5471	97.1	
2	16.798	16.798	0.0	10012	96.9	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
6 2-Amino-4,6-dinitrotoluene						
1	17.292	17.292	0.0	8350	99.9	
12 2,6-Dinitrotoluene						
1	18.908	18.908	0.0	5887	98.8	
23 2,4-Dinitrotoluene						
1	19.542	19.542	0.0	9695	101.0	
16 o-Nitrotoluene						
1	22.915	22.915	0.0	4141	92.9	
15 p-Nitrotoluene						
1	24.552	24.552	0.0	5093	95.3	
8 m-Nitrotoluene						
1	26.468	26.468	0.0	5130	95.1	
21 PETN						
2	28.792	28.792	0.0	4026	109.6	

Report Date: 20-Dec-2012 10:13:48

Chrom Revision: 2.1 14-Dec-2012 09:16:34

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121219-1888.b\S000026.D

Injection Date: 20-Dec-2012 09:07:59

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 7620

Lims Sample ID: 26

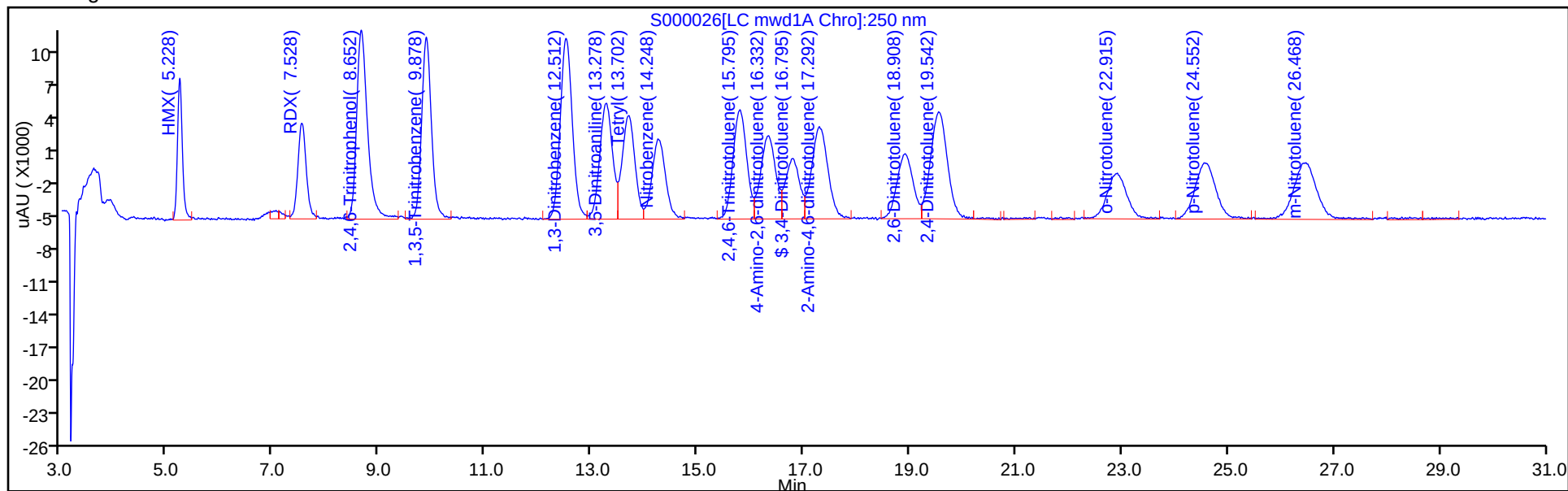
Operator ID: RN

Injection Vol: 500.0 ul

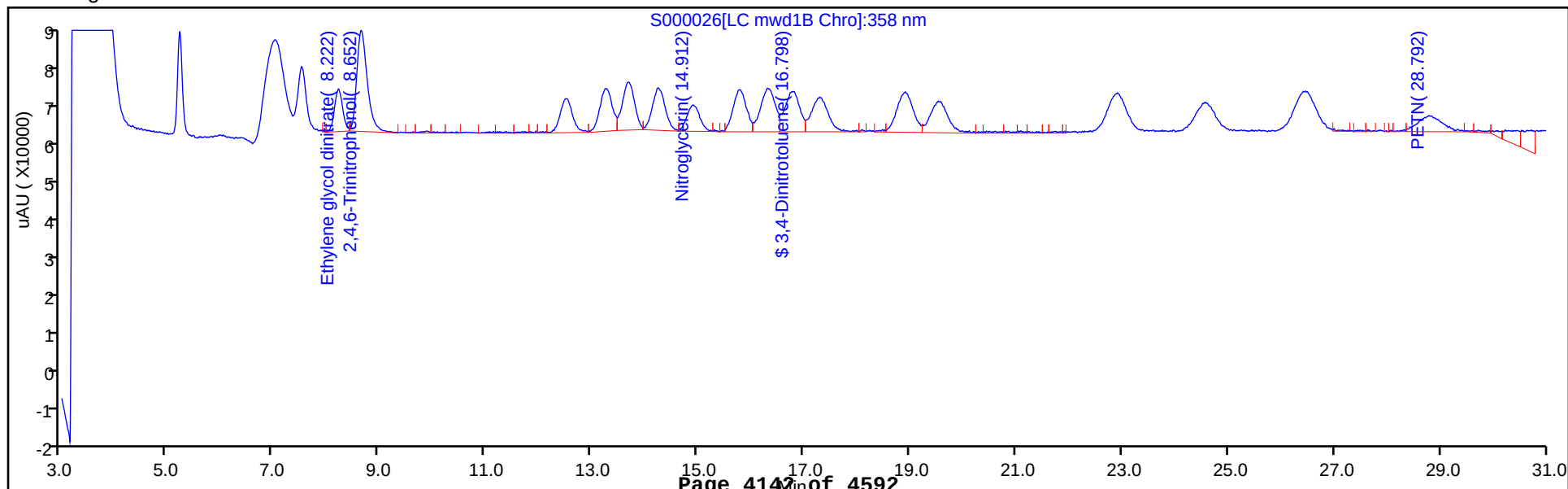
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-18703-1
 SDG No.: _____
 Lab Sample ID: CCV 320-7620/37 Calibration Date: 12/20/2012 16:30
 Instrument ID: LC10 Calib Start Date: 09/01/2012 11:50
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 09/01/2012 16:31
 Lab File ID: S000037.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
HMX	Ave	125.8	128.3		102	100	2.0	20.0
RDX	Ave	88.99	89.13		100	100	0.2	20.0
Ethylene glycol dinitrate	Ave	96.86	109.0		113	100	12.5	20.0
1,3,5-Trinitrobenzene	Ave	162.7	163.8		101	100	0.7	20.0
1,3-Dinitrobenzene	Ave	161.7	164.7		102	100	1.9	20.0
3,5-Dinitroaniline	Ave	103.9	104.6		101	100	0.6	20.0
Tetryl	Ave	86.55	94.64		109	100	9.3	20.0
Nitrobenzene	Ave	73.74	74.28		101	100	0.7	20.0
Nitroglycerin	Ave	64.89	65.40		101	100	0.8	20.0
2,4,6-Trinitrotoluene	Ave	92.79	99.30		107	100	7.0	20.0
4-Amino-2,6-dinitrotoluene	Ave	75.73	75.40		99.6	100	-0.4	20.0
2-Amino-4,6-dinitrotoluene	Ave	83.59	83.86		100	100	0.3	20.0
2,6-Dinitrotoluene	Ave	59.58	58.78		98.7	100	-1.3	20.0
2,4-Dinitrotoluene	Ave	95.97	96.42		100	100	0.5	20.0
2-Nitrotoluene	Ave	44.56	42.57		95.5	100	-4.5	20.0
4-Nitrotoluene	Ave	53.43	52.36		98.0	100	-2.0	20.0
3-Nitrotoluene	Ave	53.94	52.22		96.8	100	-3.2	20.0
PETN	Ave	36.72	41.31		112	100	12.5	20.0
3,4-Dinitrotoluene	Ave	56.32	54.35		96.5	100	-3.5	20.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18703-1
SDG No.: _____
Lab Sample ID: CCV 320-7620/37 Calibration Date: 12/20/2012 16:30
Instrument ID: LC10 Calib Start Date: 09/01/2012 11:50
GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 09/01/2012 16:31
Lab File ID: S000037.D

Analyte	RT	RT WINDOW	
		FROM	TO
HMX	5.22	4.97	5.47
RDX	7.51	7.26	7.76
Ethylene glycol dinitrate	8.21	7.96	8.46
1,3,5-Trinitrobenzene	9.86	9.61	10.11
1,3-Dinitrobenzene	12.48	12.23	12.73
3,5-Dinitroaniline	13.23	12.98	13.48
Tetryl	13.66	13.41	13.91
Nitrobenzene	14.24	13.99	14.49
Nitroglycerin	14.88	14.63	15.13
2,4,6-Trinitrotoluene	15.76	15.51	16.01
4-Amino-2,6-dinitrotoluene	16.31	16.06	16.56
2-Amino-4,6-dinitrotoluene	17.27	17.02	17.52
2,6-Dinitrotoluene	18.85	18.60	19.10
2,4-Dinitrotoluene	19.49	19.24	19.74
2-Nitrotoluene	22.88	22.63	23.13
4-Nitrotoluene	24.53	24.28	24.78
3-Nitrotoluene	26.43	26.18	26.68
PETN	28.77	28.52	29.02
3,4-Dinitrotoluene	16.76	16.51	17.01

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20121219-1888.b\S000037.D
 Lims ID: CCV 05 Client ID:
 Inject. Date: 20-Dec-2012 16:30:28 Dil. Factor: 1.0000
 Sample Type: CCVRT
 Sample ID: 320-0001888-037
 Misc. Info.:
 Operator: RN Instrument ID: LC10
 Injection Vol: 500.0 ul ALS Bottle#: 4
 Lims Batch ID: 7620 Lims Sample ID: 37
 Sublist: chrom-8330_LC10*sub1
 Method: \\SACChrom\ChromData\LC10\20121219-1888.b\8330_LC10.m
 Last Update: 21-Dec-2012 13:59:32 Calib Date: 01-Sep-2012 16:31:00
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
 Process Host: XAWRK023

First Level Reviewer: noonanr

Date: 21-Dec-2012 13:59:32

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

11 HMX						
1	5.216	5.216	0.0	12827	102.0	
19 RDX						
1	7.509	7.509	0.0	8913	100.2	
3 Ethylene glycol dinitrate						
2	8.206	8.206	0.0	10901	112.5	
10 2,4,6-Trinitrophenol						
2	8.629	8.629	0.0	25207	204.7	
1	8.626	8.626	0.0	17231	208.4	
27 1,3,5-Trinitrobenzene						
1	9.859	9.859	0.0	16378	100.7	
24 1,3-Dinitrobenzene						M
1	12.483	12.483	0.0	16467	101.9	M
9 3,5-Dinitroaniline						M
1	13.229	13.229	0.0	10456	100.6	M
20 Tetryl						M
1	13.663	13.663	0.0	9464	109.3	M
5 Nitrobenzene						M
1	14.243	14.243	0.0	7428	100.7	M
7 Nitroglycerin						
2	14.876	14.876	0.0	6540	100.8	
25 2,4,6-Trinitrotoluene						M
1	15.759	15.759	0.0	9930	107.0	M
26 4-Amino-2,6-dinitrotoluene						M
1	16.306	16.306	0.0	7540	99.6	M
\$ 30 3,4-Dinitrotoluene						M
1	16.756	16.756	0.0	5435	96.5	M
2	16.746	16.746	0.0	10244	99.1	

Data File: \\SACChrom\ChromData\LC10\20121219-1888.b\S000037.D

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
6	2-Amino-4,6-dinitrotoluene					M
1	17.269	17.269	0.0	8386	100.3	M
12	2,6-Dinitrotoluene					M
1	18.853	18.853	0.0	5878	98.7	M
23	2,4-Dinitrotoluene					M
1	19.493	19.493	0.0	9642	100.5	M
16	o-Nitrotoluene					
1	22.883	22.883	0.0	4257	95.5	
15	p-Nitrotoluene					
1	24.529	24.529	0.0	5236	98.0	
8	m-Nitrotoluene					
1	26.429	26.429	0.0	5222	96.8	
21	PETN					
2	28.769	28.769	0.0	4131	112.5	

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 21-Dec-2012 13:59:33

Chrom Revision: 2.1 20-Dec-2012 15:49:16

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121219-1888.b\S000037.D

Injection Date: 20-Dec-2012 16:30:28

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 7620

Lims Sample ID: 37

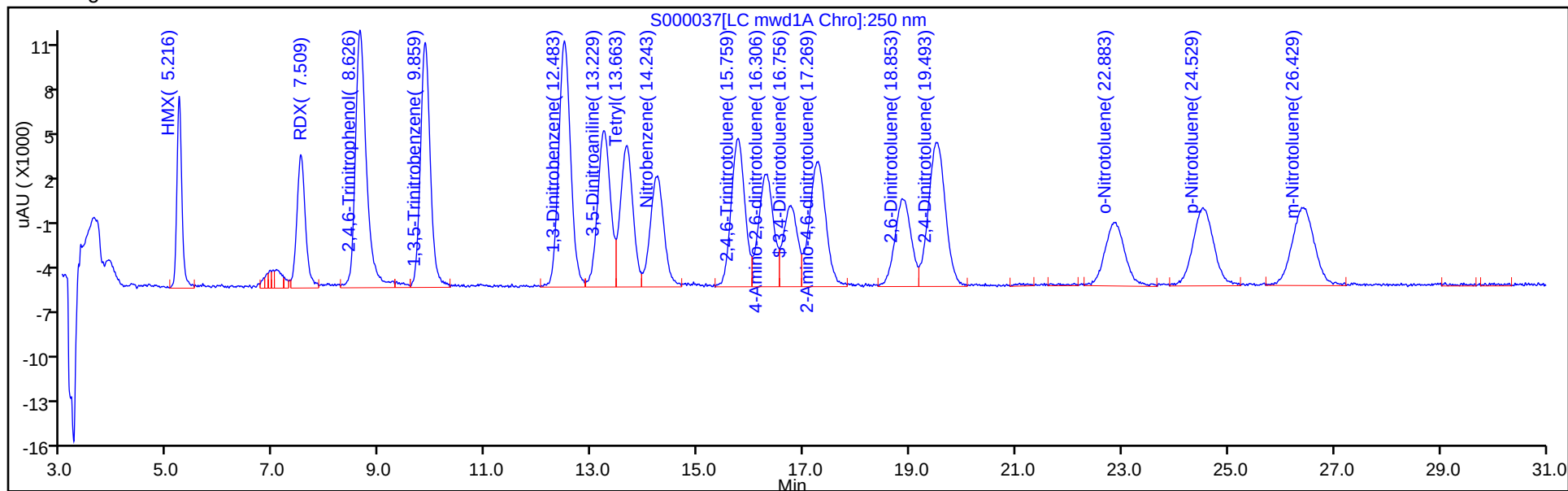
Operator ID: RN

Injection Vol: 500.0 ul

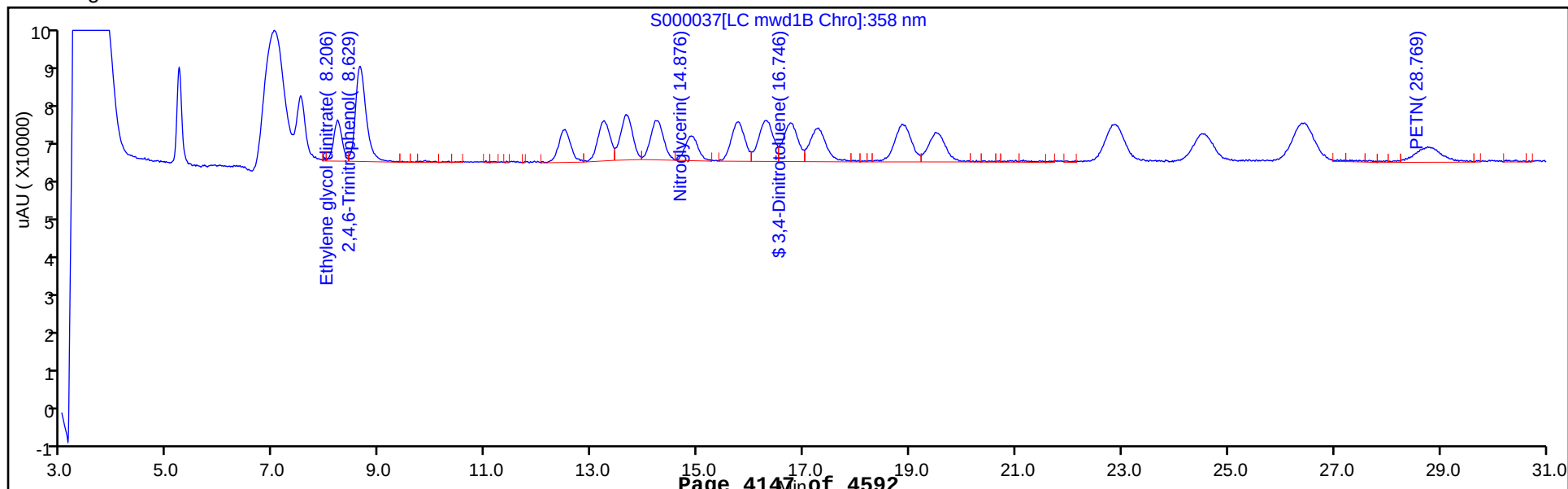
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121219-1888.b\S000037.D

Injection Date: 20-Dec-2012 16:30:28

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 7620

Lims Sample ID: 37

Operator ID: RN

Injection Vol: 500.0 ul

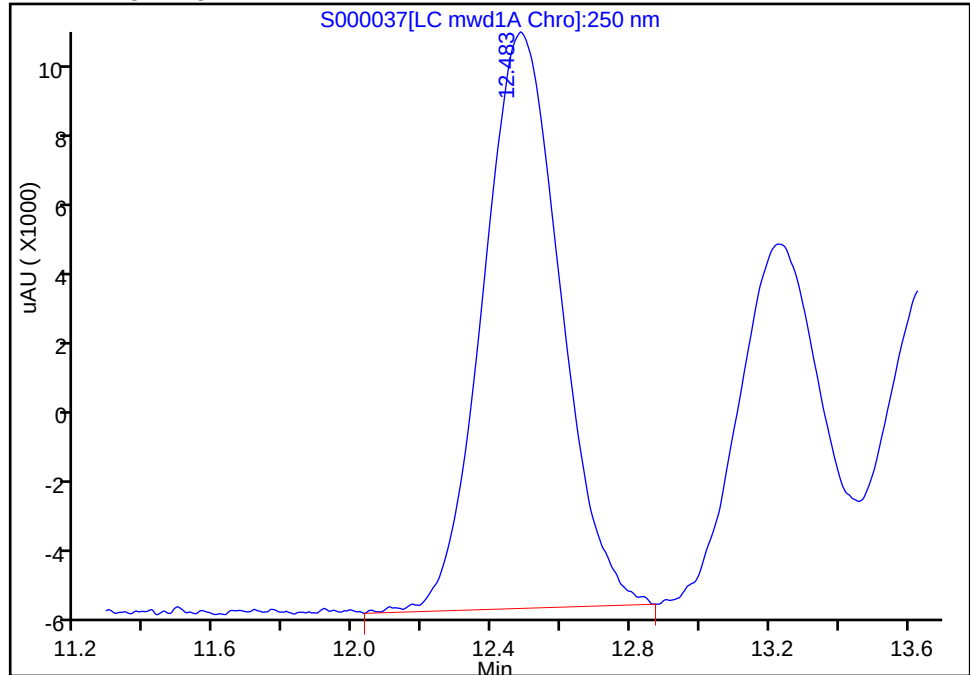
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

24 1,3-Dinitrobenzene, Signal: 1, Type: quant, RT: 12.48, Det: LC mwd1A

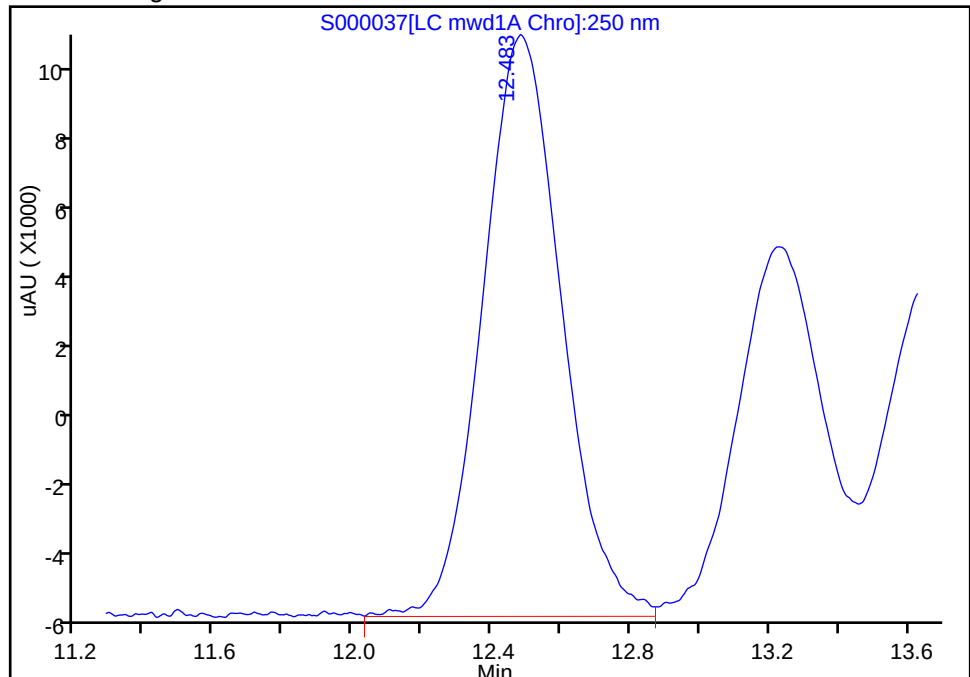
RT: 12.48
Response: 16318
Amount: 100.9348

Processing Integration Results



RT: 12.48
Response: 16467
Amount: 101.8564

Manual Integration Results



Reviewer: noonanr, 21-Dec-2012 13:59:32

Audit Action: Assigned New Baseline

Audit Reason: Baseline

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121219-1888.b\S000037.D

Injection Date: 20-Dec-2012 16:30:28

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 7620

Lims Sample ID: 37

Operator ID: RN

Injection Vol: 500.0 μ l

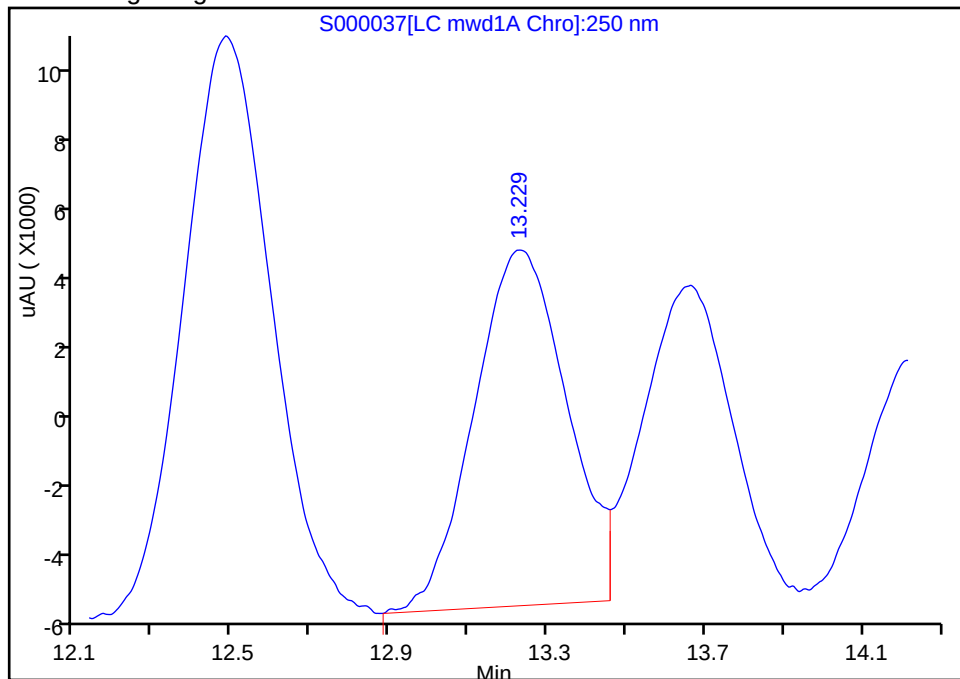
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

9 3,5-Dinitroaniline, Signal: 1, Type: quant, RT: 13.23, Det: LC mwd1A

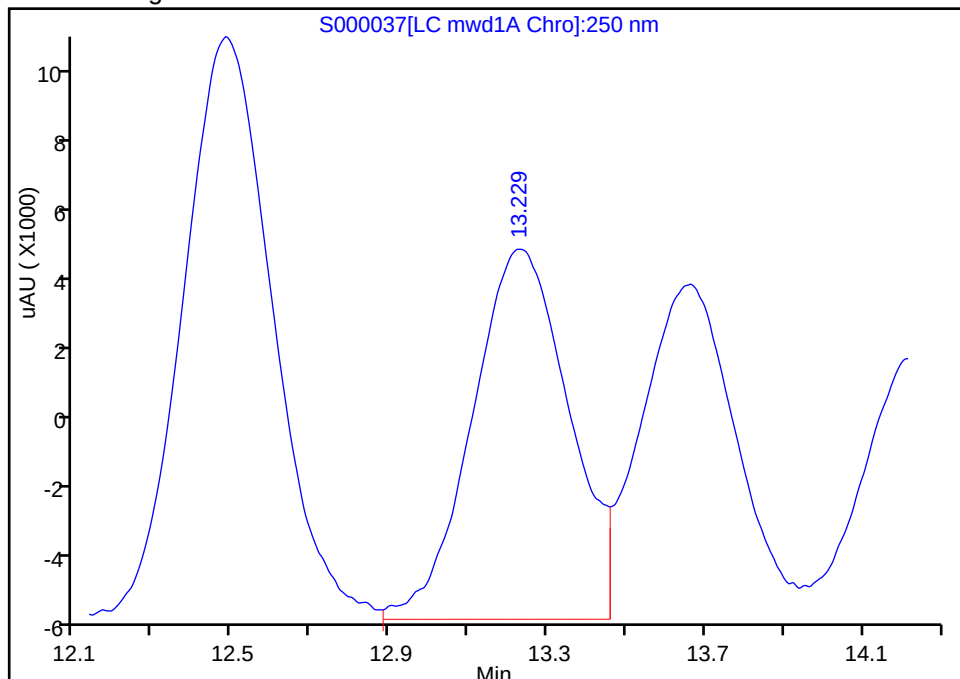
RT: 13.23
Response: 9976
Amount: 96.005120

Processing Integration Results



RT: 13.23
Response: 10456
Amount: 100.6245

Manual Integration Results



Reviewer: noonanr, 21-Dec-2012 13:59:32

Audit Action: Assigned New Baseline

Audit Reason: Baseline

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121219-1888.b\S000037.D

Injection Date: 20-Dec-2012 16:30:28

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 7620

Lims Sample ID: 37

Operator ID: RN

Injection Vol: 500.0 ul

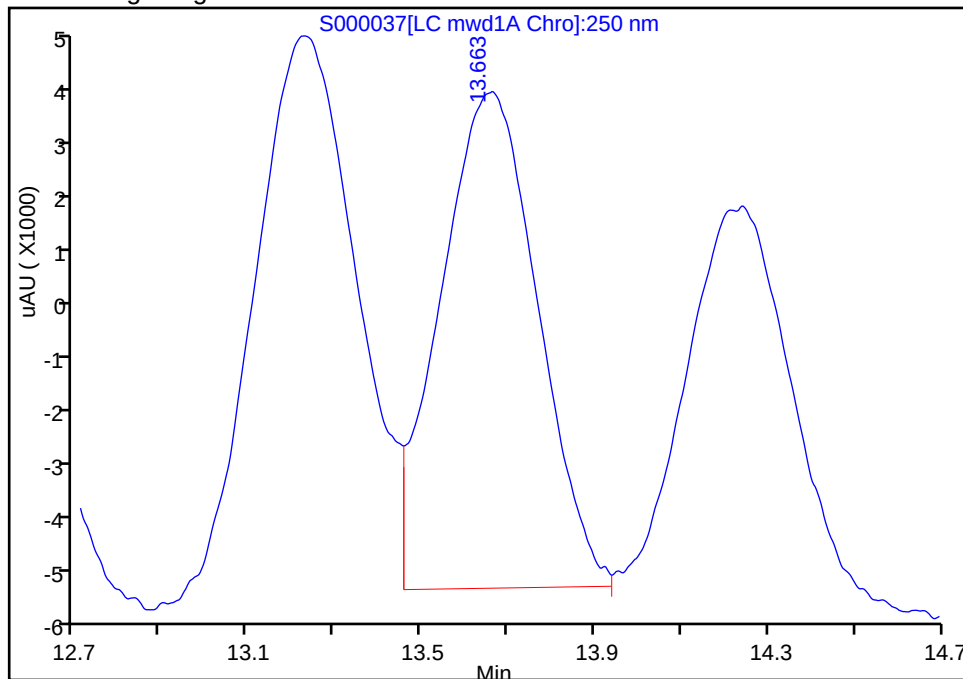
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

20 Tetryl, Signal: 1, Type: quant, RT: 13.66, Det: LC mwd1A

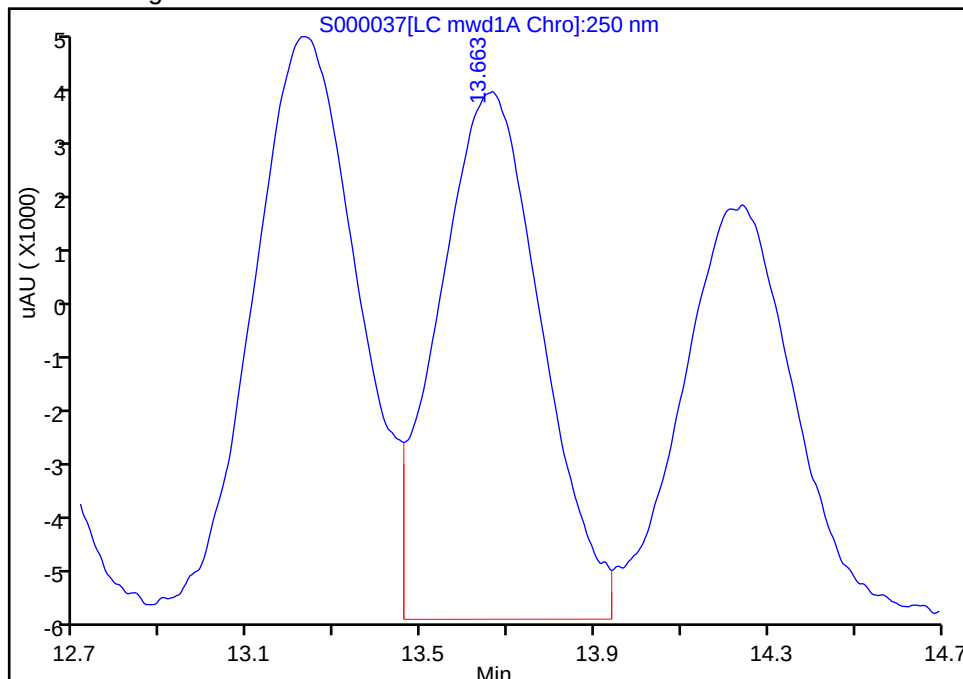
RT: 13.66
Response: 8818
Amount: 101.8823

Processing Integration Results



RT: 13.66
Response: 9464
Amount: 109.3461

Manual Integration Results



Reviewer: noonanr, 21-Dec-2012 13:59:32

Audit Action: Assigned New Baseline

Audit Reason: Baseline

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121219-1888.b\S000037.D

Injection Date: 20-Dec-2012 16:30:28

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 7620

Lims Sample ID: 37

Operator ID: RN

Injection Vol: 500.0 ul

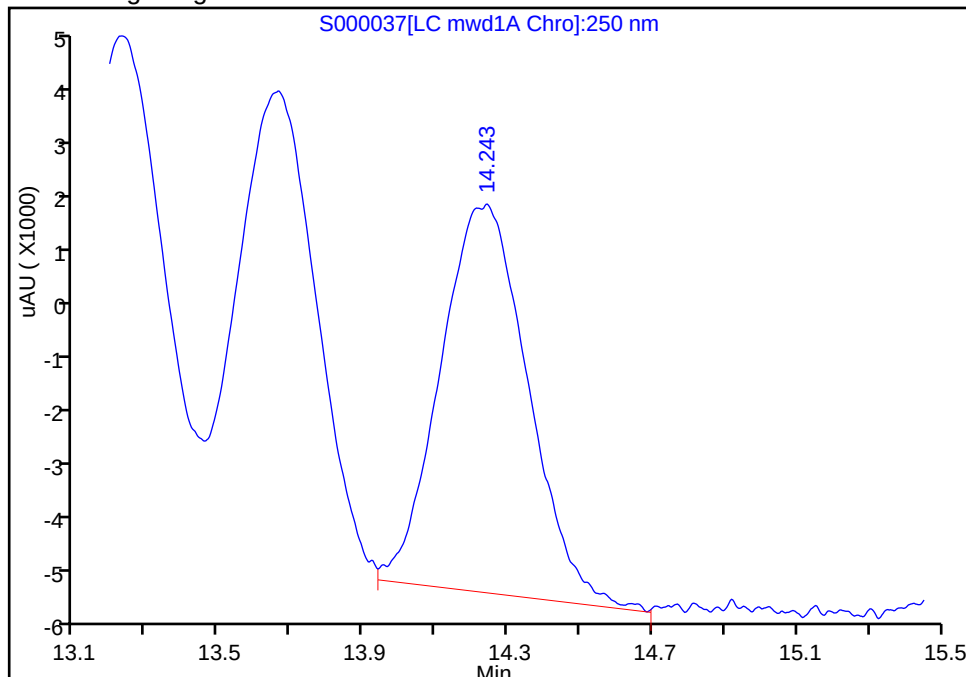
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

5 Nitrobenzene, Signal: 1, Type: quant, RT: 14.24, Det: LC mwd1A

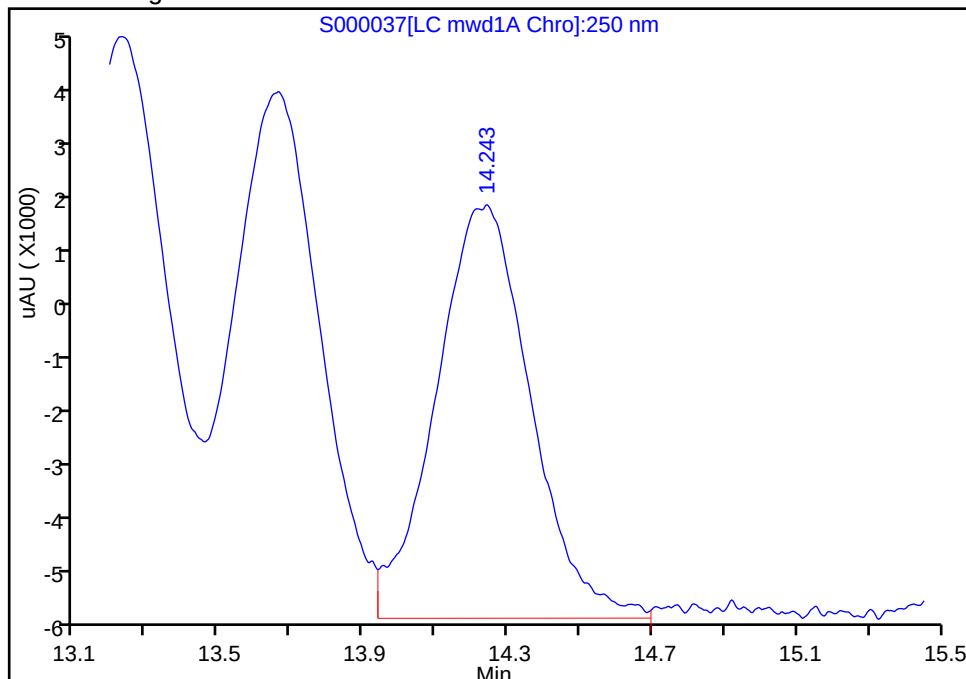
RT: 14.24
Response: 6985
Amount: 94.725190

Processing Integration Results



RT: 14.24
Response: 7428
Amount: 100.7328

Manual Integration Results



Reviewer: noonanr, 21-Dec-2012 13:59:32

Audit Action: Assigned New Baseline

Audit Reason: Baseline

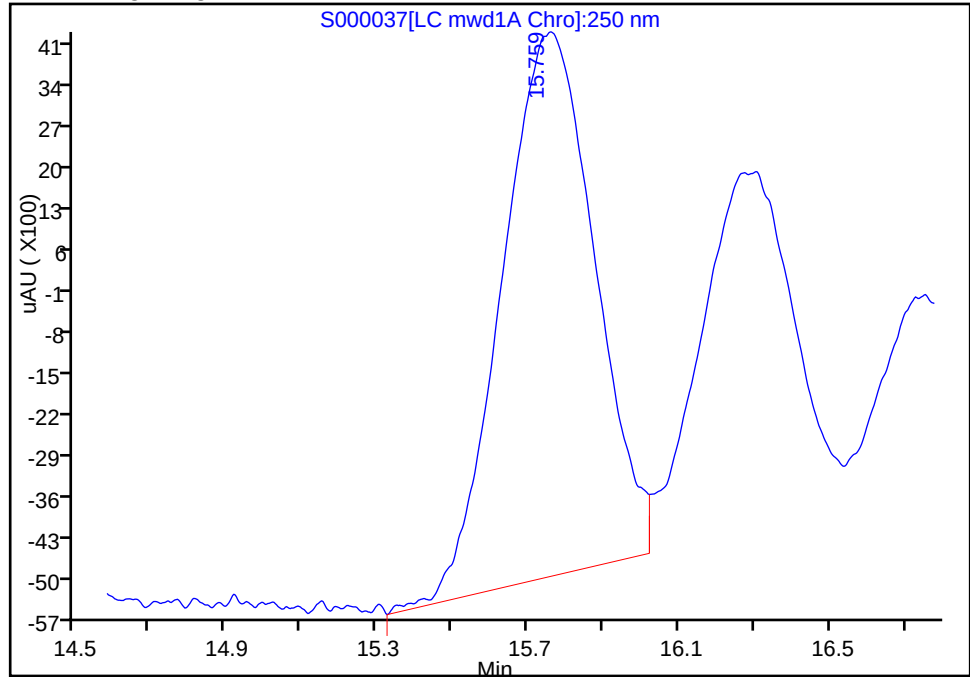
TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121219-1888.b\S000037.D
Injection Date: 20-Dec-2012 16:30:28 Limit Group: LC 8330B ICAL
Client ID: Instrument ID: LC10
Lims Batch ID: 7620 Lims Sample ID: 37
Operator ID: RN Injection Vol: 500.0 ul
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm

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

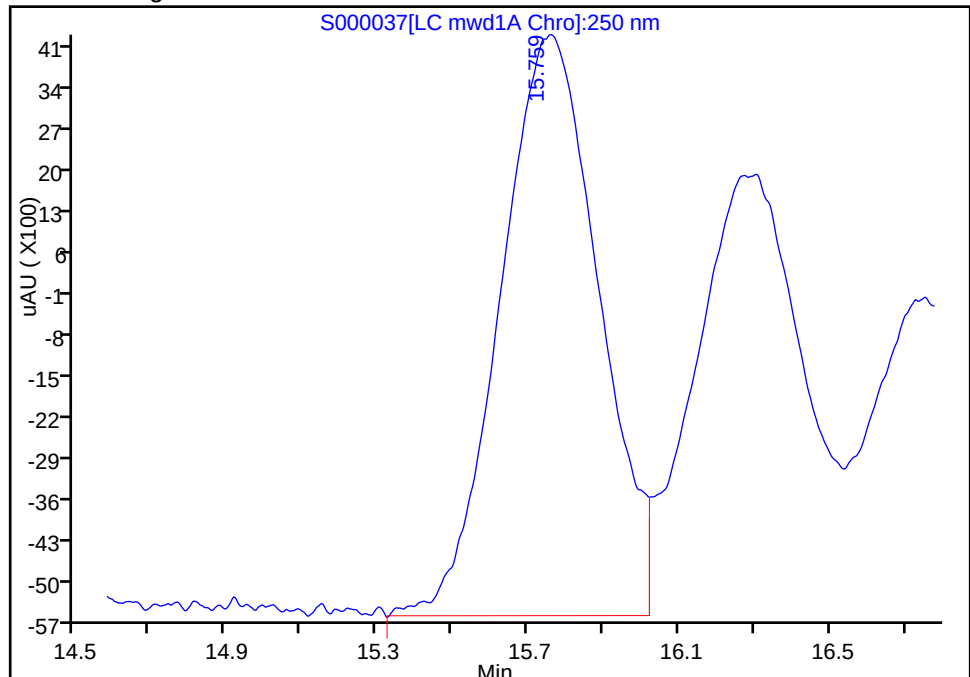
RT: 15.76
Response: 9307
Amount: 100.3030

Processing Integration Results



RT: 15.76
Response: 9930
Amount: 107.0171

Manual Integration Results



Reviewer: noonanr, 21-Dec-2012 13:59:32
Audit Action: Assigned New Baseline
Audit Reason: Baseline

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121219-1888.b\S000037.D

Injection Date: 20-Dec-2012 16:30:28

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 7620

Lims Sample ID: 37

Operator ID: RN

Injection Vol: 500.0 ul

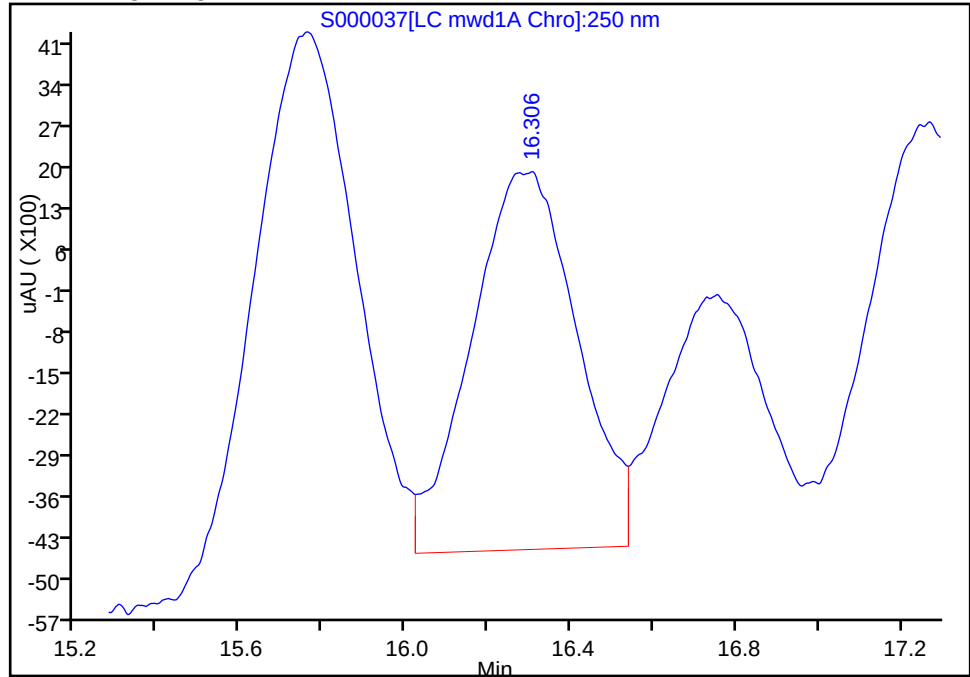
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

26 4-Amino-2,6-dinitrotoluene, Signal: 1, Type: quant, RT: 16.31, Det: LC mwd1A

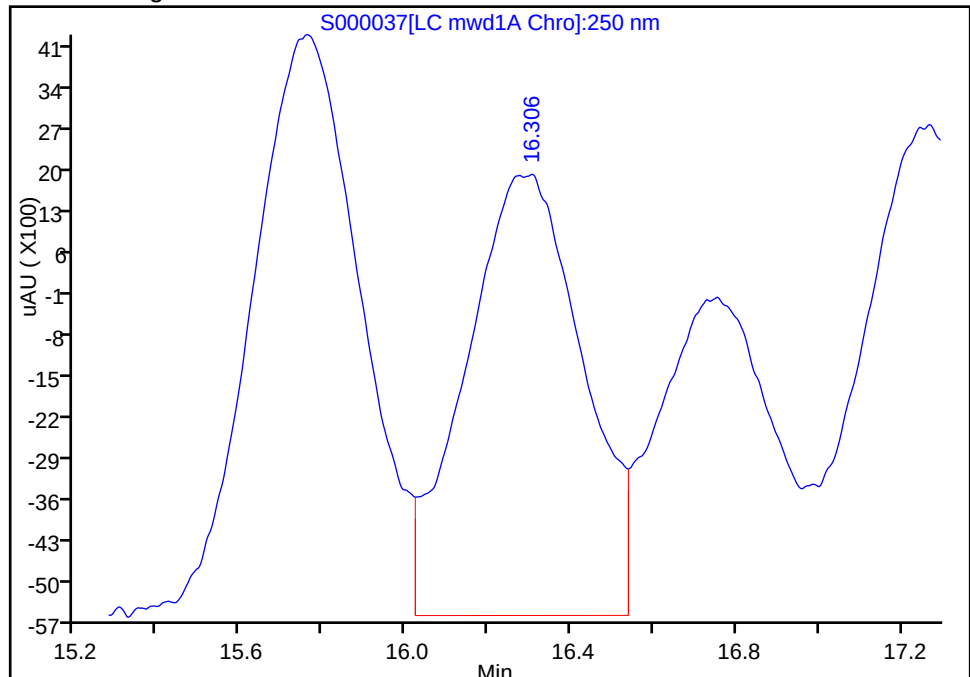
RT: 16.31
Response: 6457
Amount: 85.262591

Processing Integration Results



RT: 16.31
Response: 7540
Amount: 99.563255

Manual Integration Results



Reviewer: noonanr, 21-Dec-2012 13:59:32

Audit Action: Assigned New Baseline

Audit Reason: Baseline

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121219-1888.b\S000037.D

Injection Date: 20-Dec-2012 16:30:28

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 7620

Lims Sample ID: 37

Operator ID: RN

Injection Vol: 500.0 ul

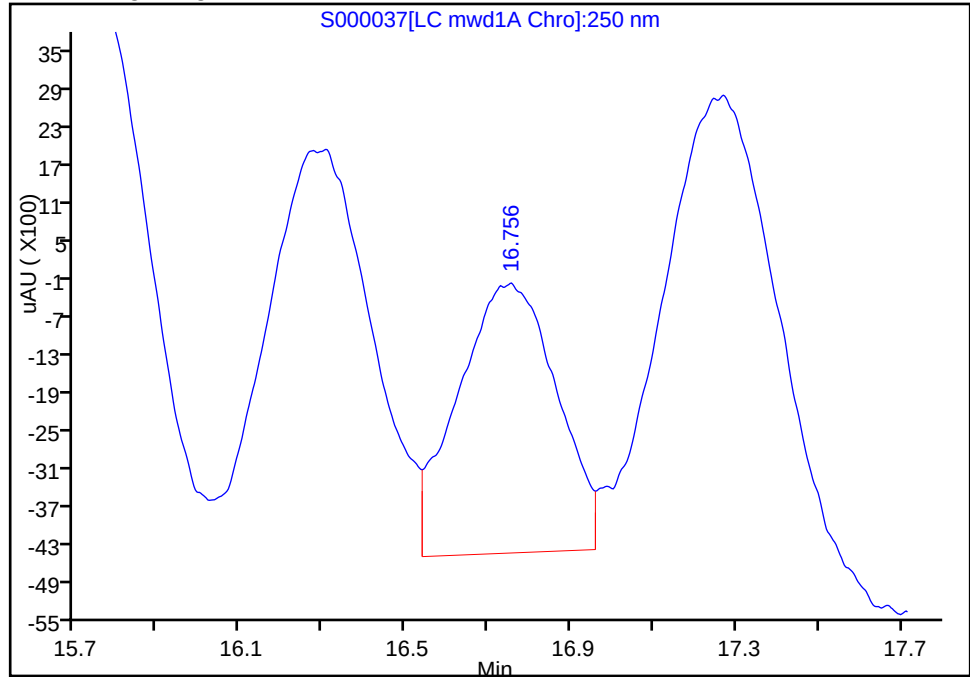
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

\$ 30 3,4-Dinitrotoluene, Signal: 1, Type: quant, RT: 16.76, Det: LC mwd1A

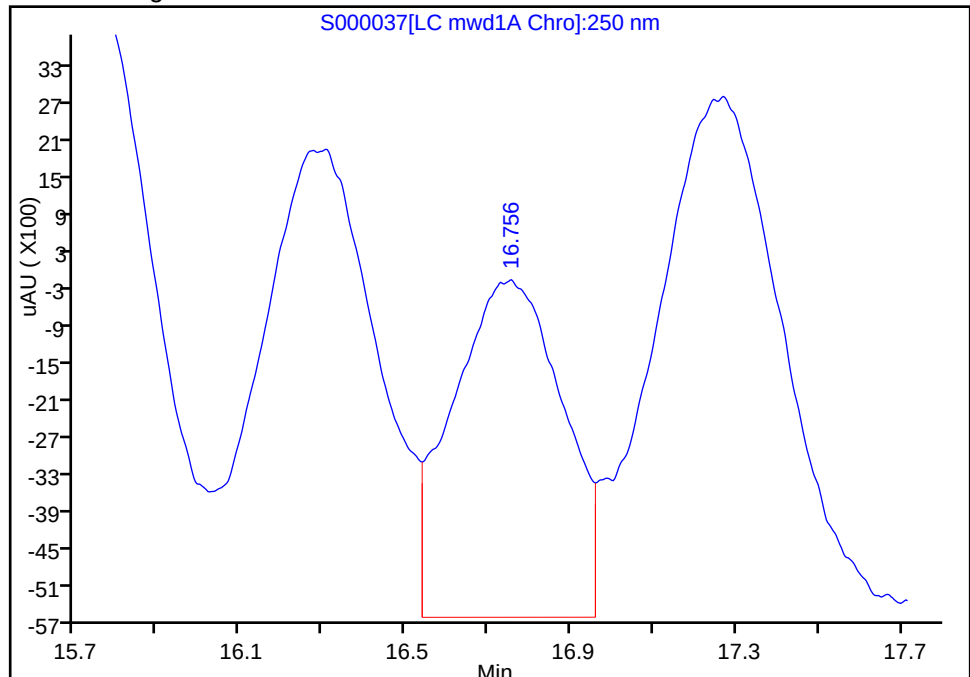
RT: 16.76
Response: 4243
Amount: 75.341148

Processing Integration Results



RT: 16.76
Response: 5435
Amount: 96.506986

Manual Integration Results



Reviewer: noonanr, 21-Dec-2012 13:59:32

Audit Action: Assigned New Baseline

Audit Reason: Baseline

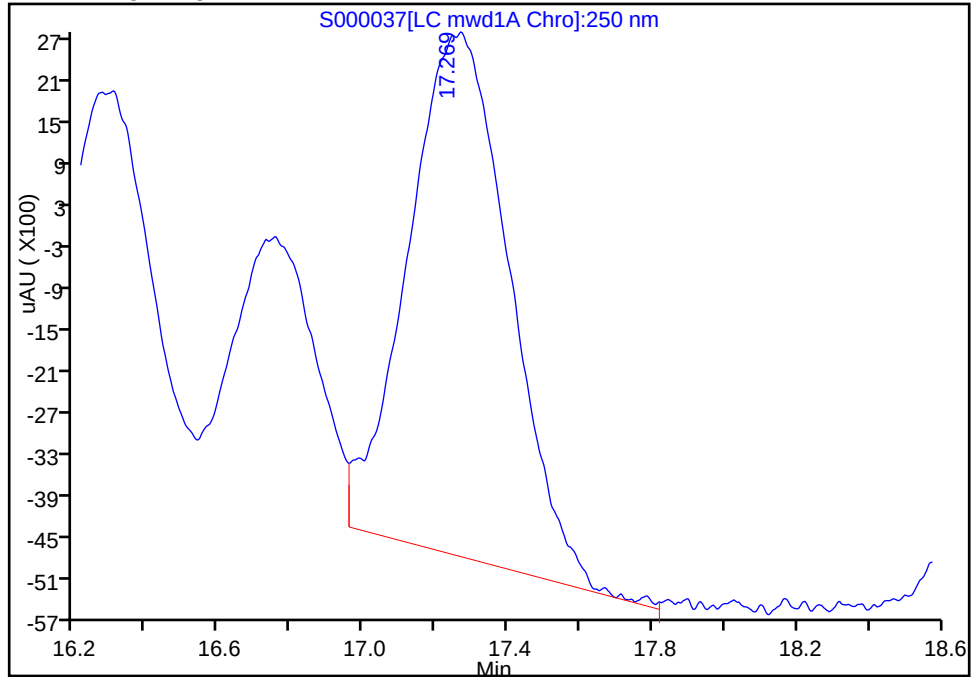
TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121219-1888.b\S000037.D
Injection Date: 20-Dec-2012 16:30:28 Limit Group: LC 8330B ICAL
Client ID: Instrument ID: LC10
Lims Batch ID: 7620 Lims Sample ID: 37
Operator ID: RN Injection Vol: 500.0 ul
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm

6 2-Amino-4,6-dinitrotoluene, Signal: 1, Type: quant, RT: 17.27, Det: LC mwd1A

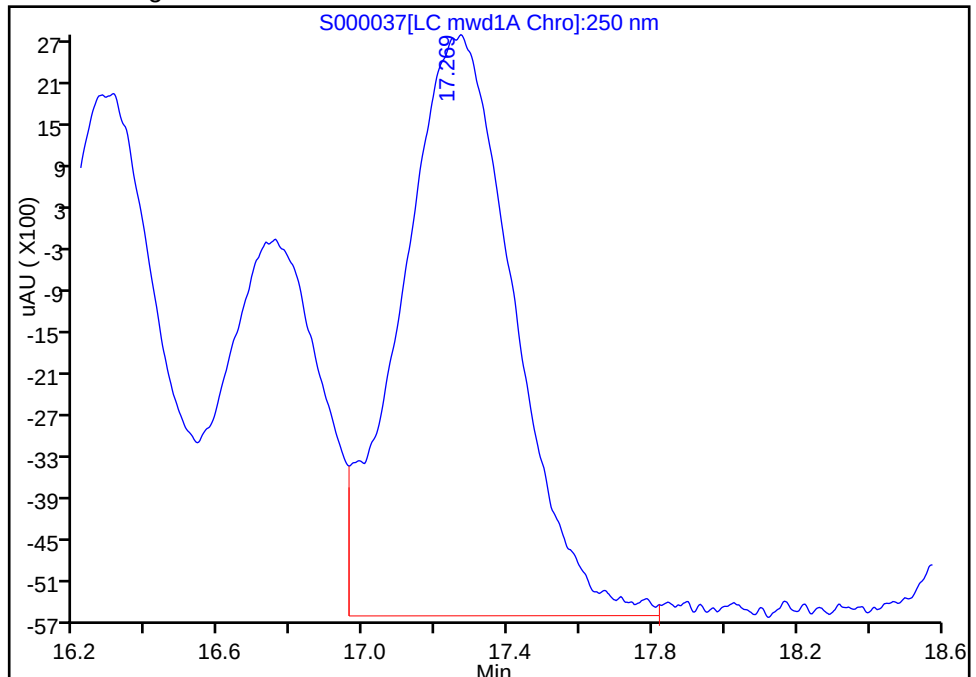
RT: 17.27
Response: 7571
Amount: 90.571681

Processing Integration Results



RT: 17.27
Response: 8386
Amount: 100.3215

Manual Integration Results



Reviewer: noonanr, 21-Dec-2012 13:59:32
Audit Action: Assigned New Baseline
Audit Reason: Baseline

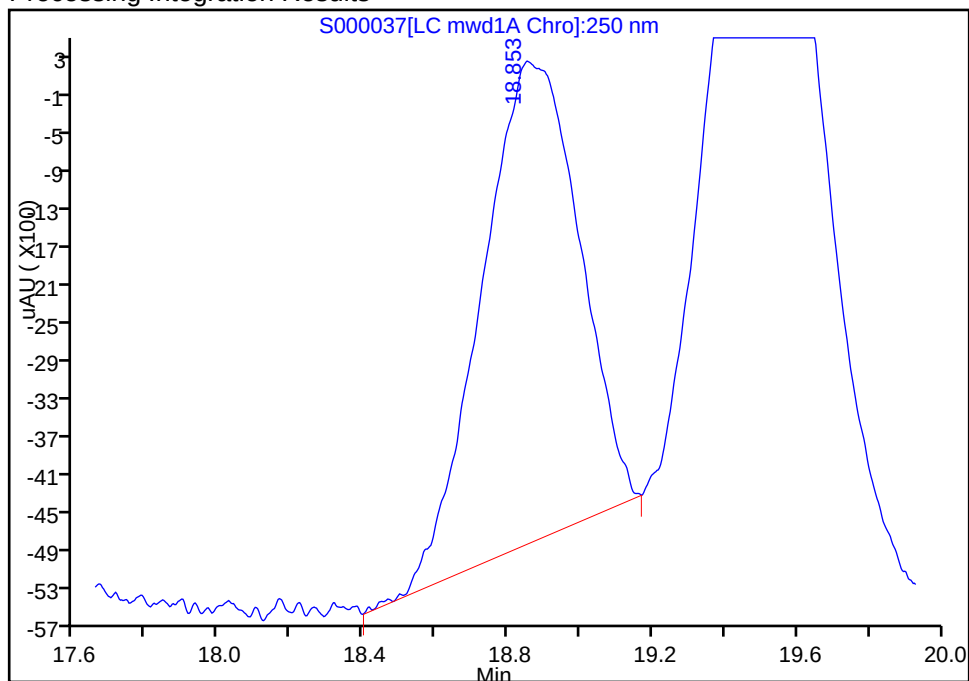
TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121219-1888.b\S000037.D
Injection Date: 20-Dec-2012 16:30:28 Limit Group: LC 8330B ICAL
Client ID: Instrument ID: LC10
Lims Batch ID: 7620 Lims Sample ID: 37
Operator ID: RN Injection Vol: 500.0 ul
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm

12 2,6-Dinitrotoluene, Signal: 1, Type: quant, RT: 18.85, Det: LC mwd1A

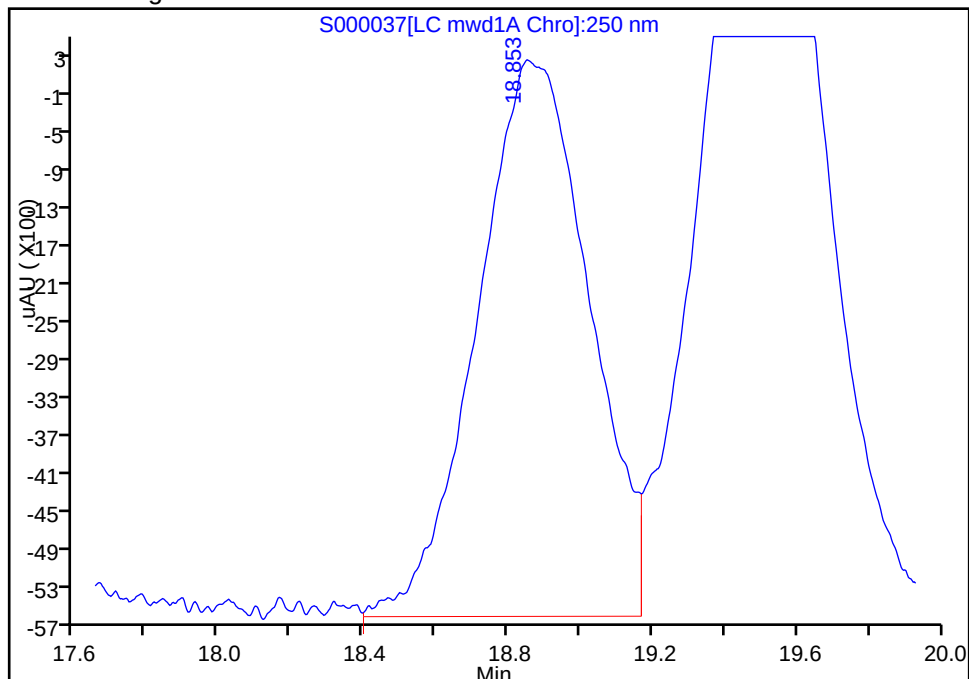
RT: 18.85
Response: 5102
Amount: 85.630248

Processing Integration Results



RT: 18.85
Response: 5878
Amount: 98.654370

Manual Integration Results



Reviewer: noonanr, 21-Dec-2012 13:59:32

Audit Action: Assigned New Baseline

Audit Reason: Baseline

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121219-1888.b\S000037.D

Injection Date: 20-Dec-2012 16:30:28

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 7620

Lims Sample ID: 37

Operator ID: RN

Injection Vol: 500.0 ul

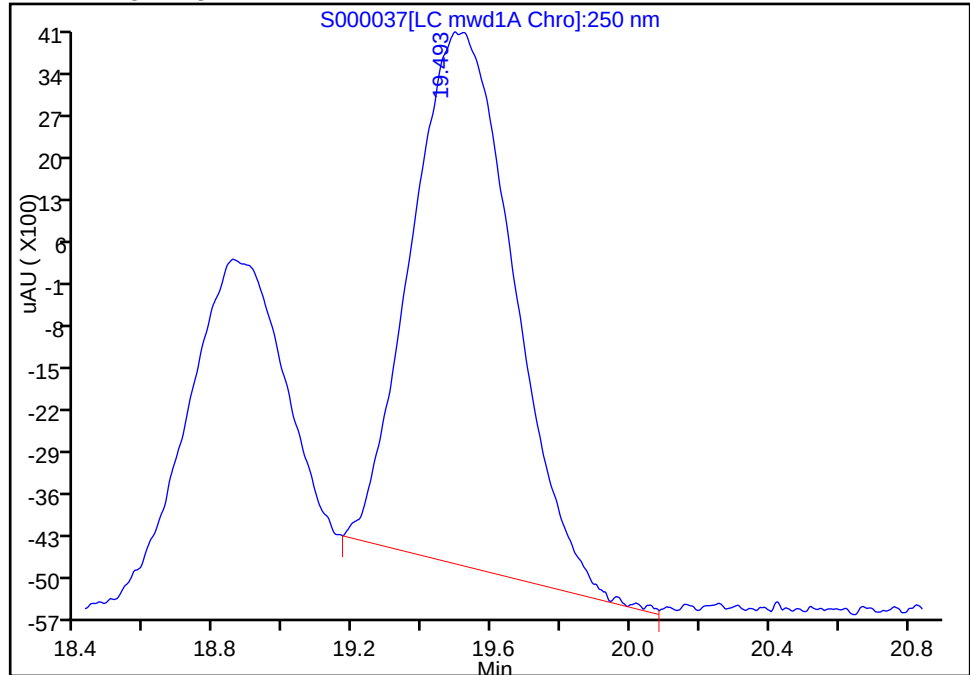
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

23 2,4-Dinitrotoluene, Signal: 1, Type: quant, RT: 19.49, Det: LC mwd1A

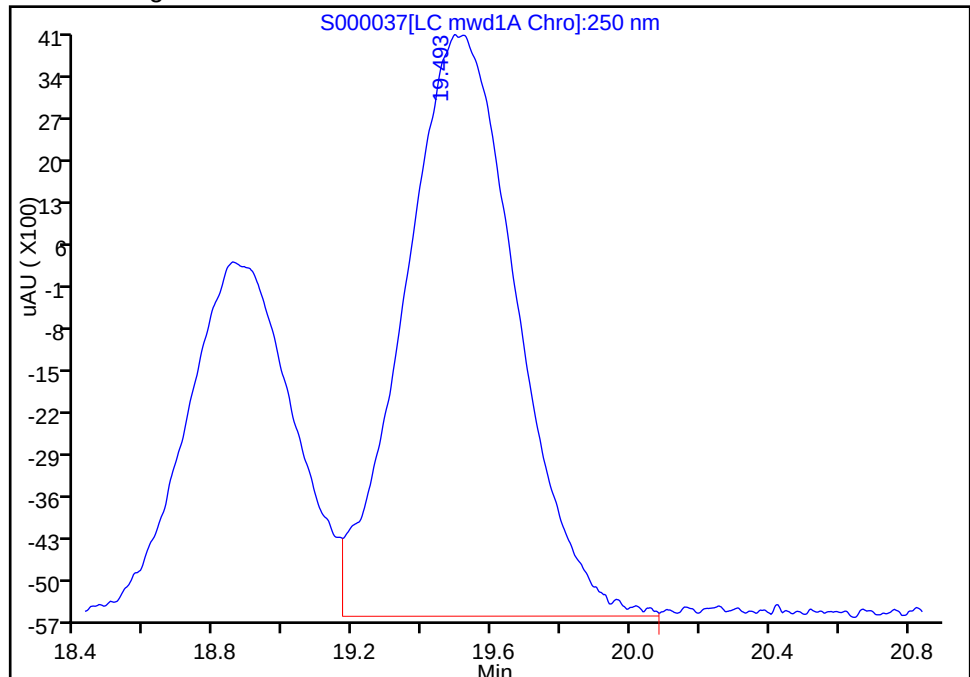
RT: 19.49
Response: 8815
Amount: 91.853295

Processing Integration Results



RT: 19.49
Response: 9642
Amount: 100.4707

Manual Integration Results



Reviewer: noonanr, 21-Dec-2012 13:59:32

Audit Action: Assigned New Baseline

Audit Reason: Baseline

FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-18703-1
 SDG No.: _____
 Lab Sample ID: CCV 320-7620/46 Calibration Date: 12/20/2012 23:14
 Instrument ID: LC10 Calib Start Date: 09/01/2012 11:50
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 09/01/2012 16:31
 Lab File ID: S000047.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
HMX	Ave	125.8	128.1		102	100	1.8	20.0
RDX	Ave	88.99	89.65		101	100	0.7	20.0
Ethylene glycol dinitrate	Ave	96.86	104.0		107	100	7.4	20.0
1,3,5-Trinitrobenzene	Ave	162.7	165.3		102	100	1.6	20.0
1,3-Dinitrobenzene	Ave	161.7	165.4		102	100	2.3	20.0
3,5-Dinitroaniline	Ave	103.9	106.6		103	100	2.6	20.0
Tetryl	Ave	86.55	95.22		110	100	10.0	20.0
Nitrobenzene	Ave	73.74	74.49		101	100	1.0	20.0
Nitroglycerin	Ave	64.89	67.59		104	100	4.2	20.0
2,4,6-Trinitrotoluene	Ave	92.79	101.3		109	100	9.2	20.0
4-Amino-2,6-dinitrotoluene	Ave	75.73	76.30		101	100	0.8	20.0
2-Amino-4,6-dinitrotoluene	Ave	83.59	85.02		102	100	1.7	20.0
2,6-Dinitrotoluene	Ave	59.58	59.20		99.4	100	-0.6	20.0
2,4-Dinitrotoluene	Ave	95.97	99.13		103	100	3.3	20.0
2-Nitrotoluene	Ave	44.56	41.32		92.7	100	-7.3	20.0
4-Nitrotoluene	Ave	53.43	52.04		97.4	100	-2.6	20.0
3-Nitrotoluene	Ave	53.94	52.15		96.7	100	-3.3	20.0
PETN	Ave	36.72	35.42		96.4	100	-3.6	20.0
3,4-Dinitrotoluene	Ave	56.32	55.55		98.6	100	-1.4	20.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18703-1
 SDG No.: _____
 Lab Sample ID: CCV 320-7620/46 Calibration Date: 12/20/2012 23:14
 Instrument ID: LC10 Calib Start Date: 09/01/2012 11:50
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 09/01/2012 16:31
 Lab File ID: S000047.D

Analyte	RT	RT WINDOW	
		FROM	TO
HMX	5.21	4.96	5.46
RDX	7.49	7.24	7.74
Ethylene glycol dinitrate	8.17	7.92	8.42
1,3,5-Trinitrobenzene	9.83	9.58	10.08
1,3-Dinitrobenzene	12.44	12.19	12.69
3,5-Dinitroaniline	13.18	12.93	13.43
Tetryl	13.60	13.35	13.85
Nitrobenzene	14.17	13.92	14.42
Nitroglycerin	14.84	14.59	15.09
2,4,6-Trinitrotoluene	15.72	15.47	15.97
4-Amino-2,6-dinitrotoluene	16.23	15.98	16.48
2-Amino-4,6-dinitrotoluene	17.22	16.97	17.47
2,6-Dinitrotoluene	18.84	18.59	19.09
2,4-Dinitrotoluene	19.45	19.20	19.70
2-Nitrotoluene	22.80	22.55	23.05
4-Nitrotoluene	24.44	24.19	24.69
3-Nitrotoluene	26.33	26.08	26.58
PETN	28.65	28.40	28.90
3,4-Dinitrotoluene	16.69	16.44	16.94

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20121219-1888.b\S000047.D
 Lims ID: CCV 05 Client ID:
 Inject. Date: 20-Dec-2012 23:14:39 Dil. Factor: 1.0000
 Sample Type: CCVRT
 Sample ID: 320-0001888-046
 Misc. Info.:
 Operator: RN Instrument ID: LC10
 Injection Vol: 500.0 ul ALS Bottle#: 4
 Lims Batch ID: 7620 Lims Sample ID: 46
 Sublist: chrom-8330_LC10*sub1
 Method: \\SACChrom\ChromData\LC10\20121219-1888.b\8330_LC10.m
 Last Update: 21-Dec-2012 14:20:31 Calib Date: 01-Sep-2012 16:31:00
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
 Process Host: XAWRK023

First Level Reviewer: noonanr

Date: 21-Dec-2012 14:20:31

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

11 HMX						
1	5.206	5.206	0.0	12809	101.8	
19 RDX						
1	7.489	7.489	0.0	8965	100.7	
3 Ethylene glycol dinitrate						
2	8.173	8.173	0.0	10400	107.4	
10 2,4,6-Trinitrophenol						
2	8.603	8.603	0.0	24833	201.6	
1	8.599	8.599	0.0	17351	209.9	
27 1,3,5-Trinitrobenzene						
1	9.826	9.826	0.0	16525	101.6	
24 1,3-Dinitrobenzene						
1	12.443	12.443	0.0	16541	102.3	
9 3,5-Dinitroaniline						
1	13.183	13.183	0.0	10660	102.6	
20 Tetryl						
1	13.600	13.600	0.0	9522	110.0	
5 Nitrobenzene						
1	14.170	14.170	0.0	7449	101.0	
7 Nitroglycerin						
2	14.840	14.840	0.0	6759	104.2	
25 2,4,6-Trinitrotoluene						
1	15.716	15.716	0.0	10130	109.2	
26 4-Amino-2,6-dinitrotoluene						
1	16.230	16.230	0.0	7630	100.8	
\$ 30 3,4-Dinitrotoluene						
1	16.686	16.686	0.0	5555	98.6	
2	16.690	16.690	0.0	10181	98.5	

Data File: \\SACChrom\ChromData\LC10\20121219-1888.b\S000047.D

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
6 2-Amino-4,6-dinitrotoluene						
1	17.223	17.223	0.0	8502	101.7	
12 2,6-Dinitrotoluene						
1	18.836	18.836	0.0	5920	99.4	
23 2,4-Dinitrotoluene						
1	19.450	19.450	0.0	9913	103.3	
16 o-Nitrotoluene						
1	22.796	22.796	0.0	4132	92.7	
15 p-Nitrotoluene						
1	24.443	24.443	0.0	5204	97.4	
8 m-Nitrotoluene						
1	26.333	26.333	0.0	5215	96.7	
21 PETN						
2	28.653	28.653	0.0	3542	96.4	M

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 21-Dec-2012 14:20:32

Chrom Revision: 2.1 20-Dec-2012 15:49:16

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121219-1888.b\S000047.D

Injection Date: 20-Dec-2012 23:14:39

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 7620

Lims Sample ID: 46

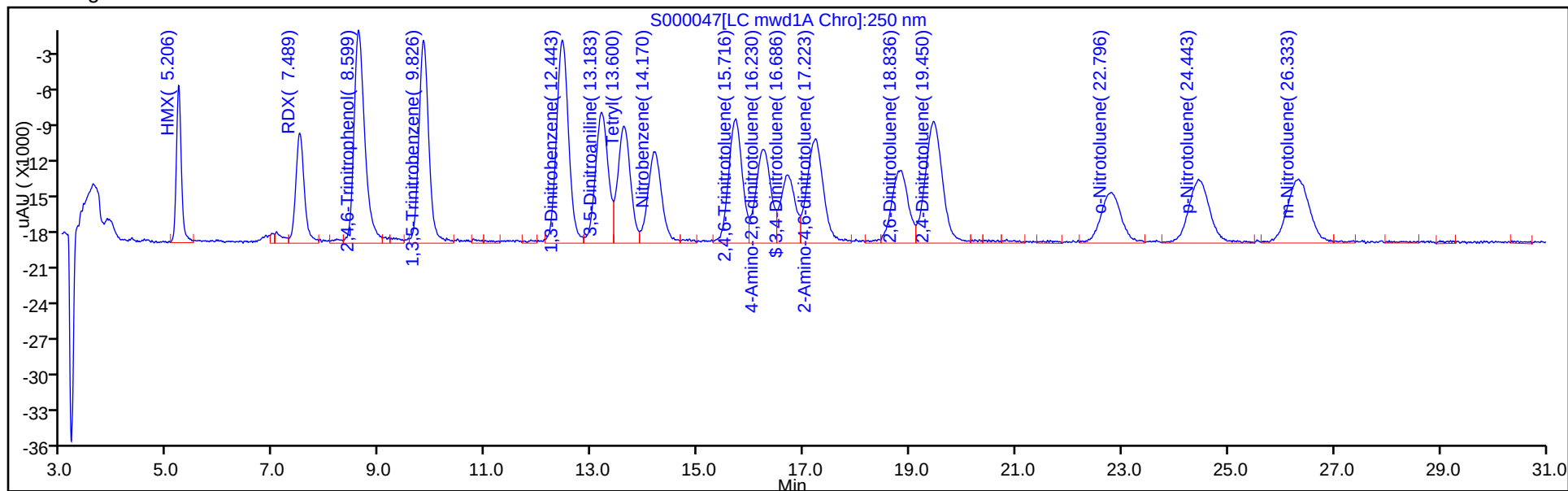
Operator ID: RN

Injection Vol: 500.0 ul

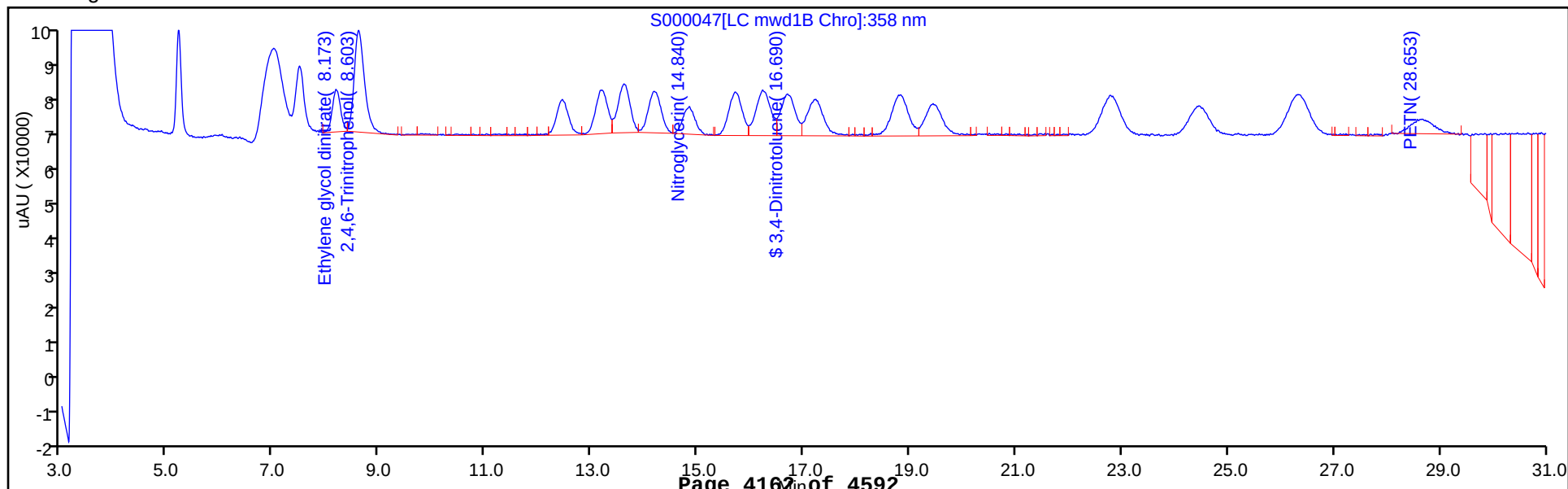
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



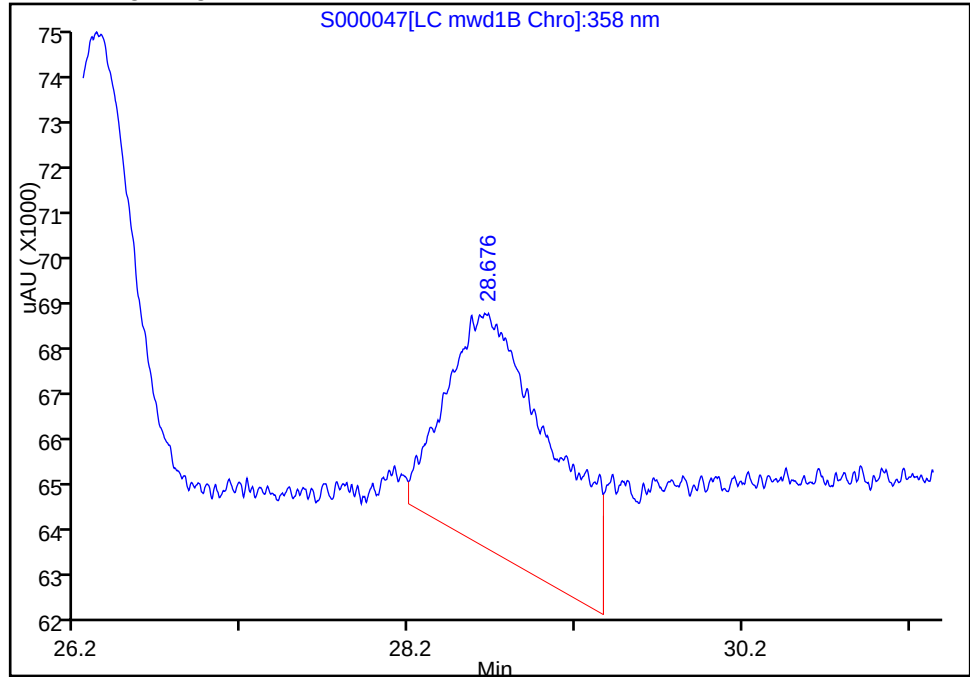
TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121219-1888.b\S000047.D
Injection Date: 20-Dec-2012 23:14:39 Limit Group: LC 8330B ICAL
Client ID: Instrument ID: LC10
Lims Batch ID: 7620 Lims Sample ID: 46
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: 28.65, Det: LC mwd1B

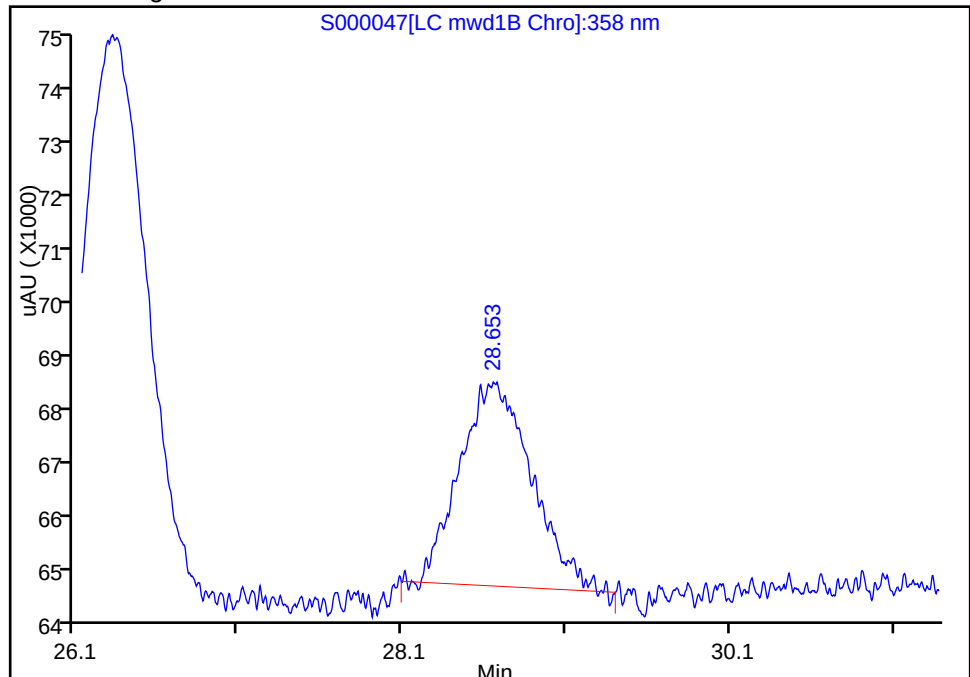
RT: 28.68
Response: 5061
Amount: 137.8093

Processing Integration Results



RT: 28.65
Response: 3542
Amount: 96.447438

Manual Integration Results



Reviewer: noonanr, 21-Dec-2012 14:20:31
Audit Action: Manually Integrated
Audit Reason: Baseline

FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-18703-1
 SDG No.: _____
 Lab Sample ID: CCVL 320-7620/47 Calibration Date: 12/20/2012 23:55
 Instrument ID: LC10 Calib Start Date: 09/01/2012 11:50
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 09/01/2012 16:31
 Lab File ID: S000048.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
HMX	Ave	125.8	166.0		6.60	5.00	31.9*	30.0
RDX	Ave	88.99	147.8		8.30	5.00	66.1*	30.0
1,3,5-Trinitrobenzene	Ave	162.7	198.6		6.10	5.00	22.1	30.0
1,3-Dinitrobenzene	Ave	161.7	194.8		6.02	5.00	20.5	30.0
3,5-Dinitroaniline	Ave	103.9	137.8		6.63	5.00	32.6*	30.0
Tetryl	Ave	86.55	119.4		6.90	5.00	38.0*	30.0
Nitrobenzene	Ave	73.74	103.2		7.00	5.00	40.0*	30.0
Nitroglycerin	Ave	64.89	77.75		24.0	20.0	19.8	30.0
2,4,6-Trinitrotoluene	Ave	92.79	128.6		6.93	5.00	38.6*	30.0
4-Amino-2,6-dinitrotoluene	Ave	75.73	110.4		7.29	5.00	45.8*	30.0
2-Amino-4,6-dinitrotoluene	Ave	83.59	104.0		6.22	5.00	24.4	30.0
2,6-Dinitrotoluene	Ave	59.58	92.00		7.72	5.00	54.4*	30.0
2,4-Dinitrotoluene	Ave	95.97	124.8		6.50	5.00	30.0	30.0
2-Nitrotoluene	Ave	44.56	71.60		8.04	5.00	60.7*	30.0
4-Nitrotoluene	Ave	53.43	75.20		7.04	5.00	40.7*	30.0
3-Nitrotoluene	Ave	53.94	69.00		6.40	5.00	27.9	30.0
PETN	Ave	36.72	61.30		33.4	20.0	66.9*	30.0
3,4-Dinitrotoluene	Ave	56.32	59.95		21.3	20.0	6.5	30.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18703-1
 SDG No.: _____
 Lab Sample ID: CCVL 320-7620/47 Calibration Date: 12/20/2012 23:55
 Instrument ID: LC10 Calib Start Date: 09/01/2012 11:50
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 09/01/2012 16:31
 Lab File ID: S000048.D

Analyte	RT	RT WINDOW	
		FROM	TO
HMX	5.22	4.97	5.47
RDX	7.49	7.24	7.74
1,3,5-Trinitrobenzene	9.84	9.59	10.09
1,3-Dinitrobenzene	12.46	12.21	12.71
3,5-Dinitroaniline	13.21	12.96	13.46
Tetryl	13.64	13.39	13.89
Nitrobenzene	14.20	13.95	14.45
Nitroglycerin	14.88	14.63	15.13
2,4,6-Trinitrotoluene	15.75	15.50	16.00
4-Amino-2,6-dinitrotoluene	16.27	16.02	16.52
2-Amino-4,6-dinitrotoluene	17.28	17.03	17.53
2,6-Dinitrotoluene	18.89	18.64	19.14
2,4-Dinitrotoluene	19.46	19.21	19.71
2-Nitrotoluene	22.83	22.58	23.08
4-Nitrotoluene	24.48	24.23	24.73
3-Nitrotoluene	26.26	26.01	26.51
PETN	28.73	28.48	28.98
3,4-Dinitrotoluene	16.75	16.50	17.00

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20121219-1888.b\S000048.D
 Lims ID: CCVL Client ID:
 Inject. Date: 20-Dec-2012 23:55:13 Dil. Factor: 1.0000
 Sample Type: CCVL
 Sample ID: 320-0001888-047
 Misc. Info.:
 Operator: RN Instrument ID: LC10
 Injection Vol: 500.0 ul ALS Bottle#: 10
 Lims Batch ID: 7620 Lims Sample ID: 47
 Sublist: chrom-8330_LC10*sub2
 Method: \\SACChrom\ChromData\LC10\20121219-1888.b\8330_LC10.m
 Last Update: 21-Dec-2012 14:23:44 Calib Date: 01-Sep-2012 16:31:00
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
 Process Host: XAWRK023

First Level Reviewer: noonanr

Date: 21-Dec-2012 14:23:44

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

11 HMX						
1	5.218	5.218	0.0	830	6.60	
19 RDX						
1	7.491	7.491	0.0	739	8.30	
27 1,3,5-Trinitrobenzene						
1	9.838	9.838	0.0	993	6.10	
24 1,3-Dinitrobenzene						
1	12.461	12.461	0.0	974	6.02	
9 3,5-Dinitroaniline						
1	13.208	13.208	0.0	689	6.63	
20 Tetryl						
1	13.641	13.641	0.0	597	6.90	
5 Nitrobenzene						
1	14.198	14.198	0.0	516	7.00	
7 Nitroglycerin						
2	14.878	14.878	0.0	1555	24.0	
25 2,4,6-Trinitrotoluene						
1	15.748	15.748	0.0	643	6.93	
26 4-Amino-2,6-dinitrotoluene						
1	16.271	16.271	0.0	552	7.29	M
\$ 30 3,4-Dinitrotoluene						
1	16.751	16.751	0.0	1199	21.3	
2	16.738	16.738	0.0	2295	22.2	
6 2-Amino-4,6-dinitrotoluene						
1	17.278	17.278	0.0	520	6.22	
12 2,6-Dinitrotoluene						
1	18.894	18.894	0.0	460	7.72	

Data File: \\SACChrom\ChromData\LC10\20121219-1888.b\S000048.D

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
23 2,4-Dinitrotoluene						
1	19.458	19.458	0.0	624	6.50	
16 o-Nitrotoluene						
1	22.828	22.828	0.0	358	8.04	
15 p-Nitrotoluene						
1	24.484	24.484	0.0	376	7.04	
8 m-Nitrotoluene						
1	26.261	26.261	0.0	345	6.40	
21 PETN						
2	28.731	28.731	0.0	1226	33.4	

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 21-Dec-2012 14:23:45

Chrom Revision: 2.1 20-Dec-2012 15:49:16

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121219-1888.b\S000048.D

Injection Date: 20-Dec-2012 23:55:13

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 7620

Lims Sample ID: 47

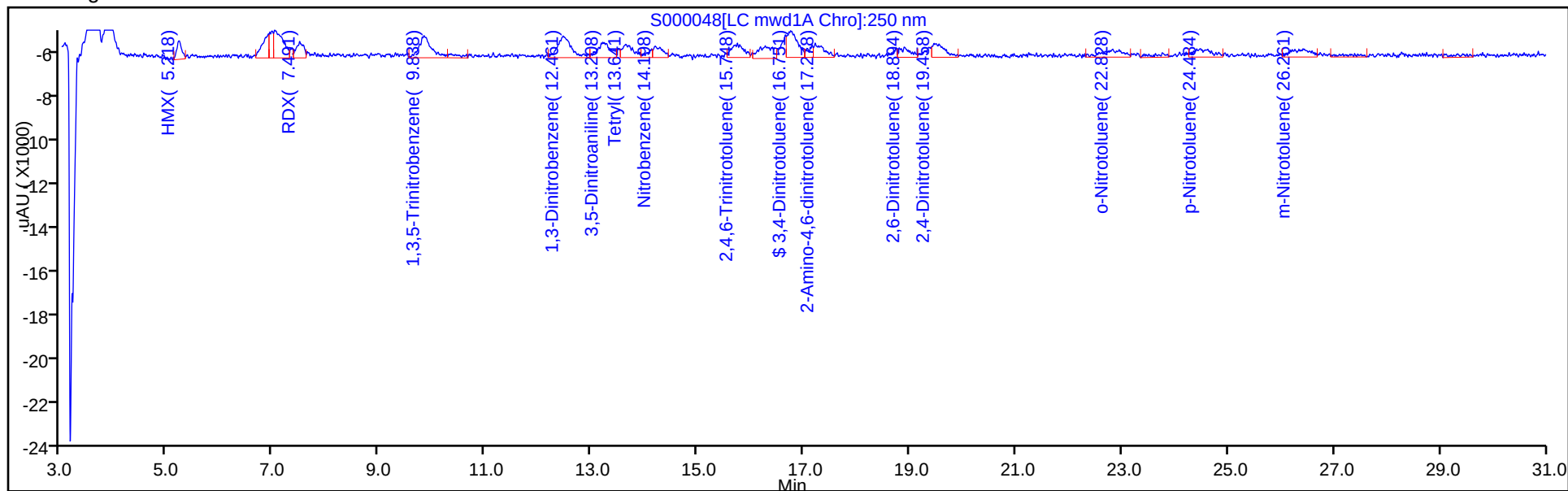
Operator ID: RN

Injection Vol: 500.0 ul

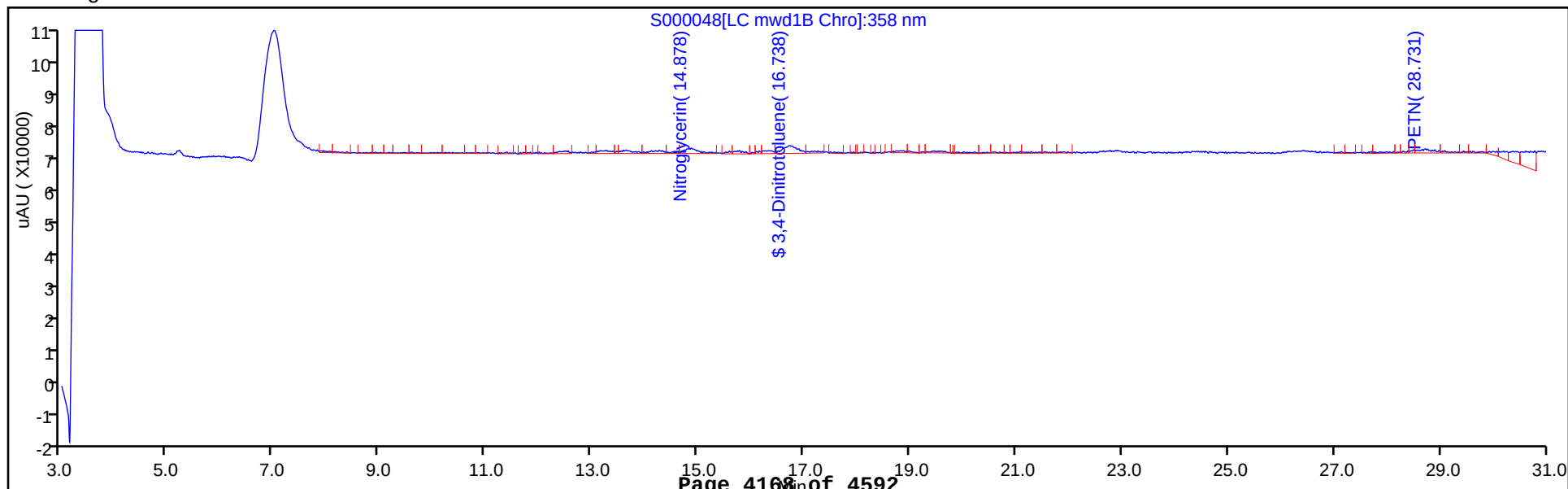
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121219-1888.b\S000048.D

Injection Date: 20-Dec-2012 23:55:13

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 7620

Lims Sample ID: 47

Operator ID: RN

Injection Vol: 500.0 ul

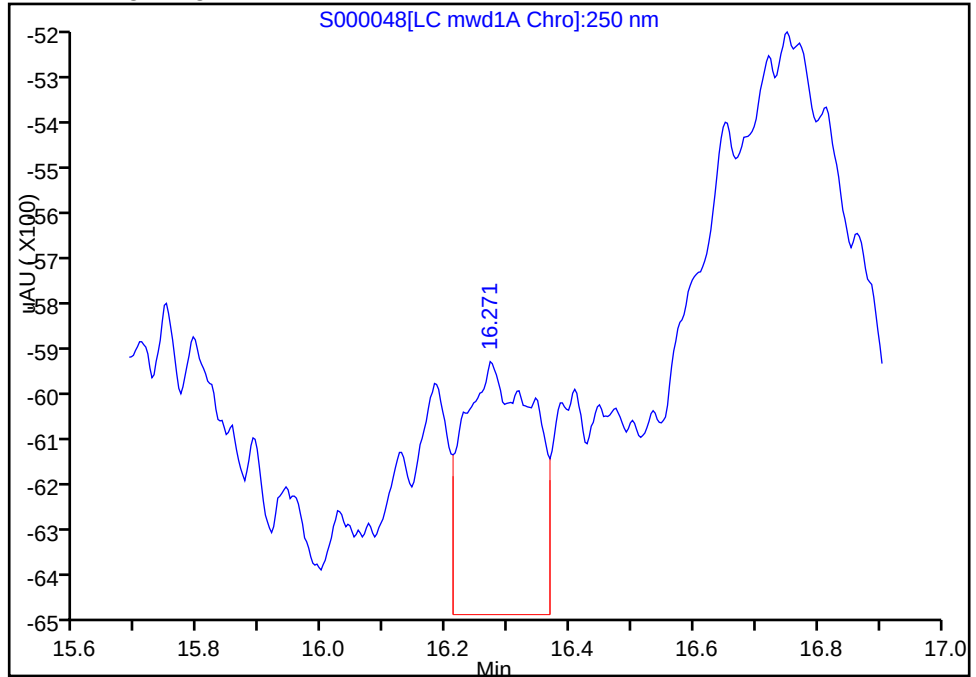
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

26 4-Amino-2,6-dinitrotoluene, Signal: 1, Type: quant, RT: 16.27, Det: LC mwd1A

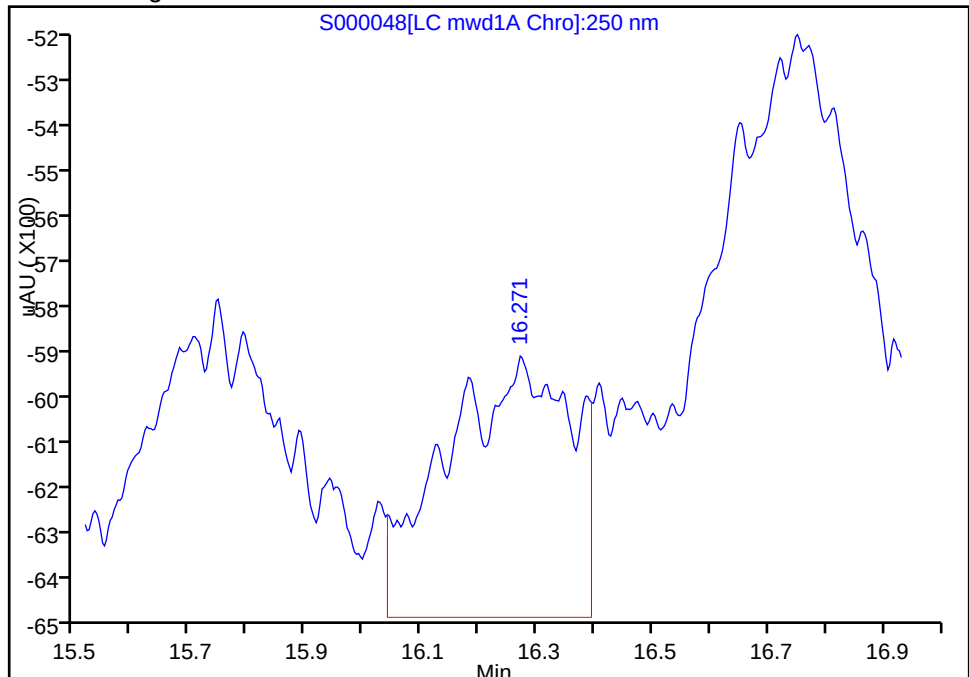
RT: 16.27
Response: 521
Amount: 6.879636

Processing Integration Results



RT: 16.27
Response: 552
Amount: 7.288981

Manual Integration Results



Reviewer: noonanr, 21-Dec-2012 14:23:44

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-18703-1
 SDG No.: _____
 Lab Sample ID: CCV 320-7620/67 Calibration Date: 12/21/2012 12:41
 Instrument ID: LC10 Calib Start Date: 09/01/2012 11:50
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 09/01/2012 16:31
 Lab File ID: S000067.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
HMX	Ave	125.8	129.1		103	100	2.7	20.0
RDX	Ave	88.99	88.16		99.1	100	-0.9	20.0
Ethylene glycol dinitrate	Ave	96.86	103.1		106	100	6.5	20.0
1,3,5-Trinitrobenzene	Ave	162.7	163.8		101	100	0.7	20.0
1,3-Dinitrobenzene	Ave	161.7	164.7		102	100	1.9	20.0
3,5-Dinitroaniline	Ave	103.9	104.8		101	100	0.9	20.0
Tetryl	Ave	86.55	92.91		107	100	7.3	20.0
Nitrobenzene	Ave	73.74	72.18		97.9	100	-2.1	20.0
Nitroglycerin	Ave	64.89	66.61		103	100	2.7	20.0
2,4,6-Trinitrotoluene	Ave	92.79	98.95		107	100	6.6	20.0
4-Amino-2,6-dinitrotoluene	Ave	75.73	75.59		99.8	100	-0.2	20.0
2-Amino-4,6-dinitrotoluene	Ave	83.59	82.95		99.2	100	-0.8	20.0
2,6-Dinitrotoluene	Ave	59.58	58.73		98.6	100	-1.4	20.0
2,4-Dinitrotoluene	Ave	95.97	96.38		100	100	0.4	20.0
2-Nitrotoluene	Ave	44.56	42.34		95.0	100	-5.0	20.0
4-Nitrotoluene	Ave	53.43	50.98		95.4	100	-4.6	20.0
3-Nitrotoluene	Ave	53.94	50.97		94.5	100	-5.5	20.0
PETN	Ave	36.72	38.94		106	100	6.0	20.0
3,4-Dinitrotoluene	Ave	56.32	53.23		94.5	100	-5.5	20.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18703-1
 SDG No.: _____
 Lab Sample ID: CCV 320-7620/67 Calibration Date: 12/21/2012 12:41
 Instrument ID: LC10 Calib Start Date: 09/01/2012 11:50
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 09/01/2012 16:31
 Lab File ID: S000067.D

Analyte	RT	RT WINDOW	
		FROM	TO
HMX	5.22	4.97	5.47
RDX	7.51	7.26	7.76
Ethylene glycol dinitrate	8.21	7.96	8.46
1,3,5-Trinitrobenzene	9.86	9.61	10.11
1,3-Dinitrobenzene	12.48	12.23	12.73
3,5-Dinitroaniline	13.22	12.97	13.47
Tetryl	13.65	13.40	13.90
Nitrobenzene	14.22	13.97	14.47
Nitroglycerin	14.89	14.64	15.14
2,4,6-Trinitrotoluene	15.76	15.51	16.01
4-Amino-2,6-dinitrotoluene	16.30	16.05	16.55
2-Amino-4,6-dinitrotoluene	17.27	17.02	17.52
2,6-Dinitrotoluene	18.88	18.63	19.13
2,4-Dinitrotoluene	19.52	19.27	19.77
2-Nitrotoluene	22.89	22.64	23.14
4-Nitrotoluene	24.56	24.31	24.81
3-Nitrotoluene	26.43	26.18	26.68
PETN	28.81	28.56	29.06
3,4-Dinitrotoluene	16.75	16.50	17.00

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20121219-1888.b\S000067.D
 Lims ID: CCV 05 Client ID:
 Inject. Date: 21-Dec-2012 12:41:57 Dil. Factor: 1.0000
 Sample Type: CCVRT
 Sample ID: 320-0001888-067
 Misc. Info.:
 Operator: RN Instrument ID: LC10
 Injection Vol: 500.0 ul ALS Bottle#: 5
 Lims Batch ID: 7620 Lims Sample ID: 67
 Sublist: chrom-8330_LC10*sub1
 Method: \\SACChrom\ChromData\LC10\20121219-1888.b\8330_LC10.m
 Last Update: 26-Dec-2012 08:27:30 Calib Date: 01-Sep-2012 16:31:00
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
 Process Host: XAWRK028

First Level Reviewer: noonanr

Date: 26-Dec-2012 08:27:30

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

11 HMX						
1	5.220	5.220	0.0	12914	102.7	
19 RDX						
1	7.507	7.507	0.0	8816	99.1	
3 Ethylene glycol dinitrate						
2	8.207	8.207	0.0	10314	106.5	
10 2,4,6-Trinitrophenol						
2	8.620	8.620	0.0	24659	200.2	
1	8.623	8.623	0.0	17166	207.6	
27 1,3,5-Trinitrobenzene						
1	9.857	9.857	0.0	16383	100.7	
24 1,3-Dinitrobenzene						
1	12.483	12.483	0.0	16466	101.9	
9 3,5-Dinitroaniline						
1	13.223	13.223	0.0	10481	100.9	
20 Tetryl						
1	13.650	13.650	0.0	9291	107.3	
5 Nitrobenzene						
1	14.223	14.223	0.0	7218	97.9	
7 Nitroglycerin						
2	14.887	14.887	0.0	6661	102.7	
25 2,4,6-Trinitrotoluene						
1	15.757	15.757	0.0	9895	106.6	
26 4-Amino-2,6-dinitrotoluene						
1	16.297	16.297	0.0	7559	99.8	
\$ 30 3,4-Dinitrotoluene						
1	16.747	16.747	0.0	5323	94.5	
2	16.780	16.780	0.0	10174	98.5	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
6 2-Amino-4,6-dinitrotoluene						
1	17.273	17.273	0.0	8295	99.2	
12 2,6-Dinitrotoluene						
1	18.880	18.880	0.0	5873	98.6	
23 2,4-Dinitrotoluene						
1	19.523	19.523	0.0	9638	100.4	
16 o-Nitrotoluene						
1	22.893	22.893	0.0	4234	95.0	
15 p-Nitrotoluene						
1	24.563	24.563	0.0	5098	95.4	
8 m-Nitrotoluene						
1	26.430	26.430	0.0	5097	94.5	
21 PETN						
2	28.807	28.807	0.0	3894	106.0	

Report Date: 26-Dec-2012 08:27:31

Chrom Revision: 2.1 24-Dec-2012 15:14:58

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121219-1888.b\S000067.D

Injection Date: 21-Dec-2012 12:41:57

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 7620

Lims Sample ID: 67

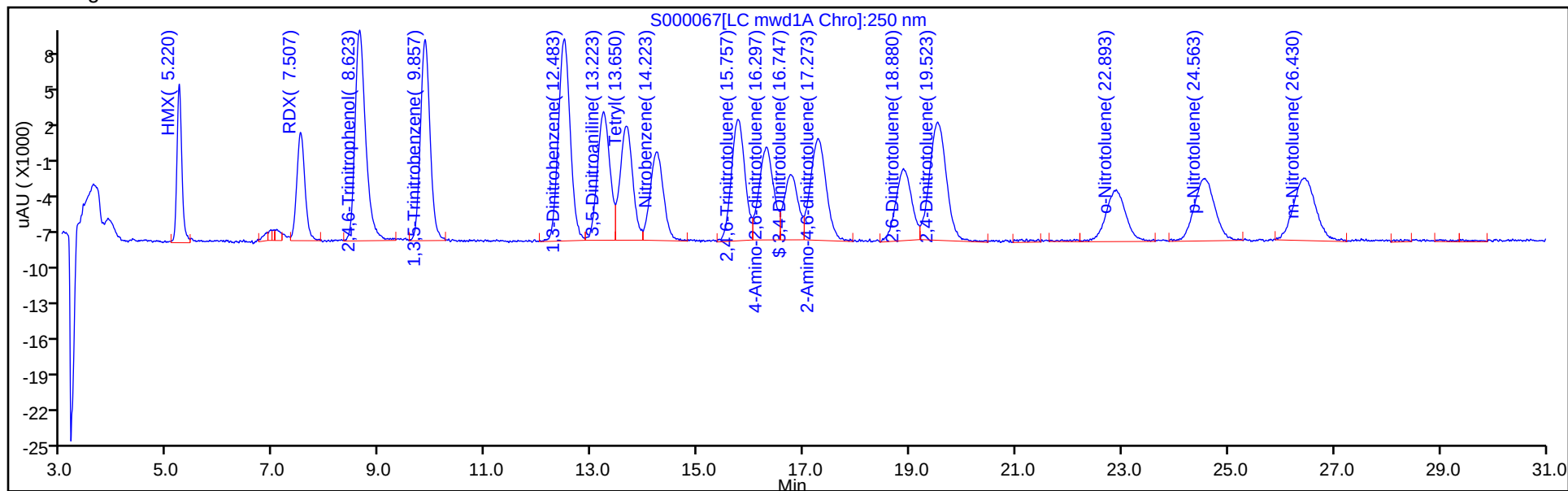
Operator ID: RN

Injection Vol: 500.0 ul

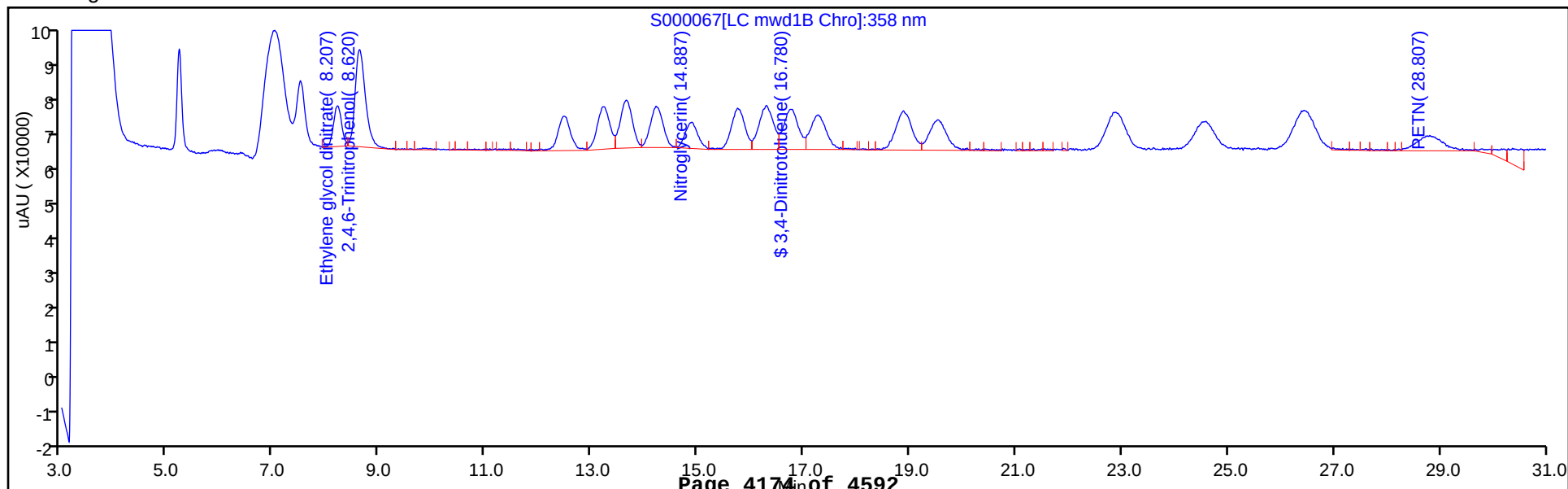
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-18703-1

SDG No.: _____

Lab Sample ID: CCV 320-7620/73 Calibration Date: 12/21/2012 16:42

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

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

Lab File ID: S000073.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
HMX	Ave	125.8	127.2		101	100	1.1	20.0
RDX	Ave	88.99	87.69		98.5	100	-1.5	20.0
Ethylene glycol dinitrate	Ave	96.86	103.7		107	100	7.0	20.0
1,3,5-Trinitrobenzene	Ave	162.7	162.5		99.9	100	-0.1	20.0
1,3-Dinitrobenzene	Ave	161.7	162.9		101	100	0.8	20.0
3,5-Dinitroaniline	Ave	103.9	104.1		100	100	0.2	20.0
Tetryl	Ave	86.55	92.94		107	100	7.4	20.0
Nitrobenzene	Ave	73.74	74.35		101	100	0.8	20.0
Nitroglycerin	Ave	64.89	66.92		103	100	3.1	20.0
2,4,6-Trinitrotoluene	Ave	92.79	96.91		104	100	4.4	20.0
4-Amino-2,6-dinitrotoluene	Ave	75.73	73.77		97.4	100	-2.6	20.0
2-Amino-4,6-dinitrotoluene	Ave	83.59	82.31		98.5	100	-1.5	20.0
2,6-Dinitrotoluene	Ave	59.58	57.91		97.2	100	-2.8	20.0
2,4-Dinitrotoluene	Ave	95.97	95.64		99.7	100	-0.3	20.0
2-Nitrotoluene	Ave	44.56	42.48		95.3	100	-4.7	20.0
4-Nitrotoluene	Ave	53.43	51.48		96.4	100	-3.6	20.0
3-Nitrotoluene	Ave	53.94	52.05		96.5	100	-3.5	20.0
PETN	Ave	36.72	39.50		108	100	7.6	20.0
3,4-Dinitrotoluene	Ave	56.32	54.04		96.0	100	-4.0	20.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18703-1
 SDG No.: _____
 Lab Sample ID: CCV 320-7620/73 Calibration Date: 12/21/2012 16:42
 Instrument ID: LC10 Calib Start Date: 09/01/2012 11:50
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 09/01/2012 16:31
 Lab File ID: S000073.D

Analyte	RT	RT WINDOW	
		FROM	TO
HMX	5.23	4.98	5.48
RDX	7.52	7.27	7.77
Ethylene glycol dinitrate	8.21	7.96	8.46
1,3,5-Trinitrobenzene	9.87	9.62	10.12
1,3-Dinitrobenzene	12.51	12.26	12.76
3,5-Dinitroaniline	13.27	13.02	13.52
Tetryl	13.69	13.44	13.94
Nitrobenzene	14.26	14.01	14.51
Nitroglycerin	14.91	14.66	15.16
2,4,6-Trinitrotoluene	15.79	15.54	16.04
4-Amino-2,6-dinitrotoluene	16.34	16.09	16.59
2-Amino-4,6-dinitrotoluene	17.31	17.06	17.56
2,6-Dinitrotoluene	18.93	18.68	19.18
2,4-Dinitrotoluene	19.57	19.32	19.82
2-Nitrotoluene	22.90	22.65	23.15
4-Nitrotoluene	24.58	24.33	24.83
3-Nitrotoluene	26.46	26.21	26.71
PETN	28.84	28.59	29.09
3,4-Dinitrotoluene	16.80	16.55	17.05

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20121219-1888.b\S000073.D
 Lims ID: CCV 05 Client ID:
 Inject. Date: 21-Dec-2012 16:42:51 Dil. Factor: 1.0000
 Sample Type: CCVRT
 Sample ID: 320-0001888-073
 Misc. Info.:
 Operator: RN Instrument ID: LC10
 Injection Vol: 500.0 ul ALS Bottle#: 6
 Lims Batch ID: 7620 Lims Sample ID: 73
 Sublist: chrom-8330_LC10*sub1
 Method: \\SACChrom\ChromData\LC10\20121219-1888.b\8330_LC10.m
 Last Update: 26-Dec-2012 08:30:06 Calib Date: 01-Sep-2012 16:31:00
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
 Process Host: XAWRK028

First Level Reviewer: noonanr

Date: 26-Dec-2012 08:30:06

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

11 HMX						
1	5.226	5.226	0.0	12724	101.1	
19 RDX						
1	7.523	7.523	0.0	8769	98.5	
3 Ethylene glycol dinitrate						
2	8.213	8.213	0.0	10366	107.0	
10 2,4,6-Trinitrophenol						
2	8.643	8.643	0.0	24577	199.6	
1	8.639	8.639	0.0	17036	206.1	
27 1,3,5-Trinitrobenzene						
1	9.869	9.869	0.0	16251	99.9	
24 1,3-Dinitrobenzene						
1	12.506	12.506	0.0	16290	100.8	
9 3,5-Dinitroaniline						
1	13.270	13.270	0.0	10410	100.2	
20 Tetryl						
1	13.690	13.690	0.0	9294	107.4	
5 Nitrobenzene						
1	14.256	14.256	0.0	7435	100.8	
7 Nitroglycerin						
2	14.913	14.913	0.0	6692	103.1	
25 2,4,6-Trinitrotoluene						
1	15.790	15.790	0.0	9691	104.4	
26 4-Amino-2,6-dinitrotoluene						
1	16.343	16.343	0.0	7377	97.4	
\$ 30 3,4-Dinitrotoluene						
1	16.796	16.796	0.0	5404	96.0	
2	16.806	16.806	0.0	10108	97.8	

Data File: \\SACChrom\ChromData\LC10\20121219-1888.b\S000073.D

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
6 2-Amino-4,6-dinitrotoluene						
1	17.306	17.306	0.0	8231	98.5	
12 2,6-Dinitrotoluene						
1	18.930	18.930	0.0	5791	97.2	
23 2,4-Dinitrotoluene						
1	19.570	19.570	0.0	9564	99.7	
16 o-Nitrotoluene						
1	22.900	22.900	0.0	4248	95.3	
15 p-Nitrotoluene						
1	24.576	24.576	0.0	5148	96.4	
8 m-Nitrotoluene						
1	26.463	26.463	0.0	5205	96.5	M
21 PETN						
2	28.843	28.843	0.0	3950	107.6	

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 26-Dec-2012 08:30:07

Chrom Revision: 2.1 24-Dec-2012 15:14:58

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121219-1888.b\S000073.D

Injection Date: 21-Dec-2012 16:42:51

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 7620

Lims Sample ID: 73

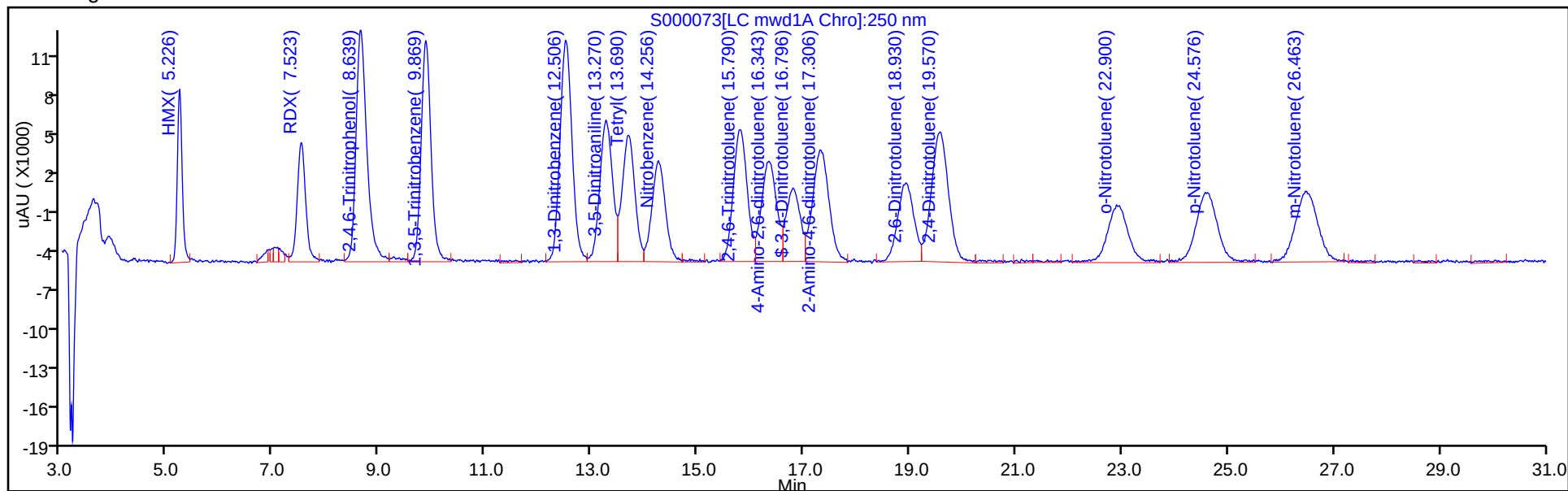
Operator ID: RN

Injection Vol: 500.0 ul

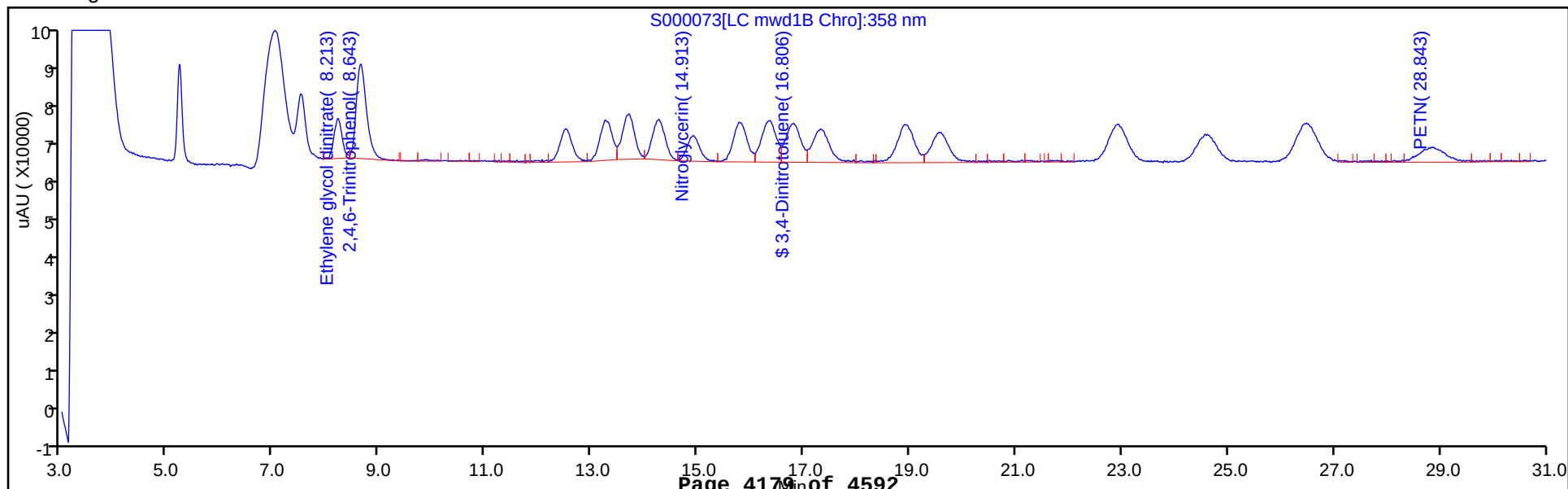
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121219-1888.b\S000073.D

Injection Date: 21-Dec-2012 16:42:51

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 7620

Lims Sample ID: 73

Operator ID: RN

Injection Vol: 500.0 ul

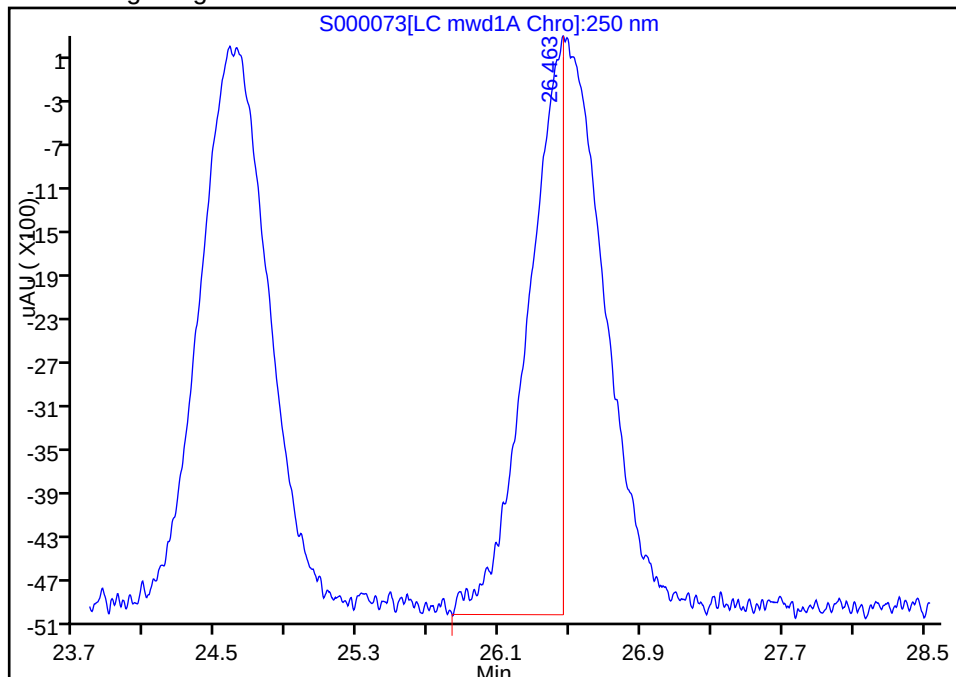
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

8 m-Nitrotoluene, Signal: 1, Type: quant, RT: 26.46, Det: LC mwd1A

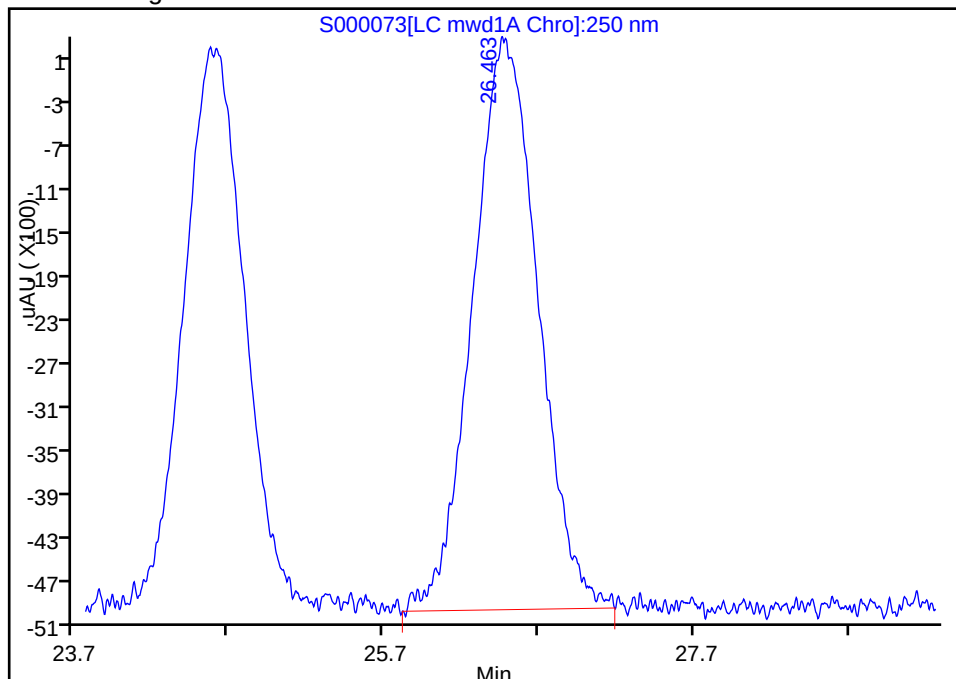
RT: 26.46
Response: 5258
Amount: 97.486813

Processing Integration Results



RT: 26.46
Response: 5205
Amount: 96.504158

Manual Integration Results



Reviewer: noonanr, 26-Dec-2012 08:30:06

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-18703-1
 SDG No.: _____
 Lab Sample ID: CCVL 320-7620/74 Calibration Date: 12/21/2012 17:23
 Instrument ID: LC10 Calib Start Date: 09/01/2012 11:50
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 09/01/2012 16:31
 Lab File ID: S000074.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
HMX	Ave	125.8	151.0		6.00	5.00	20.0	30.0
RDX	Ave	88.99	118.8		6.68	5.00	33.5*	30.0
1,3,5-Trinitrobenzene	Ave	162.7	190.8		5.86	5.00	17.3	30.0
1,3-Dinitrobenzene	Ave	161.7	203.2		6.28	5.00	25.7	30.0
3,5-Dinitroaniline	Ave	103.9	130.6		6.28	5.00	25.7	30.0
Tetryl	Ave	86.55	117.8		6.81	5.00	36.1*	30.0
Nitrobenzene	Ave	73.74	88.80		6.02	5.00	20.4	30.0
Nitroglycerin	Ave	64.89	83.00		25.6	20.0	27.9	30.0
2,4,6-Trinitrotoluene	Ave	92.79	118.0		6.36	5.00	27.2	30.0
4-Amino-2,6-dinitrotoluene	Ave	75.73	100.6		6.64	5.00	32.8*	30.0
2-Amino-4,6-dinitrotoluene	Ave	83.59	110.6		6.62	5.00	32.3*	30.0
2,6-Dinitrotoluene	Ave	59.58	85.20		7.15	5.00	43.0*	30.0
2,4-Dinitrotoluene	Ave	95.97	131.2		6.84	5.00	36.7*	30.0
2-Nitrotoluene	Ave	44.56	70.80		7.95	5.00	58.9*	30.0
4-Nitrotoluene	Ave	53.43	76.40		7.15	5.00	43.0*	30.0
3-Nitrotoluene	Ave	53.94	72.00		6.67	5.00	33.5*	30.0
PETN	Ave	36.72	51.45		28.0	20.0	40.1*	30.0
3,4-Dinitrotoluene	Ave	56.32	57.95		20.6	20.0	2.9	30.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18703-1
SDG No.: _____
Lab Sample ID: CCVL 320-7620/74 Calibration Date: 12/21/2012 17:23
Instrument ID: LC10 Calib Start Date: 09/01/2012 11:50
GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 09/01/2012 16:31
Lab File ID: S000074.D

Analyte	RT	RT WINDOW	
		FROM	TO
HMX	5.22	4.97	5.47
RDX	7.49	7.24	7.74
1,3,5-Trinitrobenzene	9.84	9.59	10.09
1,3-Dinitrobenzene	12.51	12.26	12.76
3,5-Dinitroaniline	13.25	13.00	13.50
Tetryl	13.67	13.42	13.92
Nitrobenzene	14.23	13.98	14.48
Nitroglycerin	14.88	14.63	15.13
2,4,6-Trinitrotoluene	15.76	15.51	16.01
4-Amino-2,6-dinitrotoluene	16.22	15.97	16.47
2-Amino-4,6-dinitrotoluene	17.28	17.03	17.53
2,6-Dinitrotoluene	18.93	18.68	19.18
2,4-Dinitrotoluene	19.54	19.29	19.79
2-Nitrotoluene	22.89	22.64	23.14
4-Nitrotoluene	24.63	24.38	24.88
3-Nitrotoluene	26.34	26.09	26.59
PETN	28.86	28.61	29.11
3,4-Dinitrotoluene	16.75	16.50	17.00

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20121219-1888.b\S000074.D
 Lims ID: CCVL Client ID:
 Inject. Date: 21-Dec-2012 17:23:00 Dil. Factor: 1.0000
 Sample Type: CCVL
 Sample ID: 320-0001888-074
 Misc. Info.:
 Operator: RN Instrument ID: LC10
 Injection Vol: 500.0 ul ALS Bottle#: 10
 Lims Batch ID: 7620 Lims Sample ID: 74
 Sublist: chrom-8330_LC10*sub2
 Method: \\SACChrom\ChromData\LC10\20121219-1888.b\8330_LC10.m
 Last Update: 26-Dec-2012 08:51:03 Calib Date: 01-Sep-2012 16:31:00
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
 Process Host: XAWRK028

First Level Reviewer: noonanr

Date: 26-Dec-2012 08:51:03

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

11 HMX						
1	5.218	5.218	0.0	755	6.00	
19 RDX						
1	7.491	7.491	0.0	594	6.68	M
27 1,3,5-Trinitrobenzene						
1	9.838	9.838	0.0	954	5.86	M
24 1,3-Dinitrobenzene						
1	12.508	12.508	0.0	1016	6.28	M
9 3,5-Dinitroaniline						
1	13.254	13.254	0.0	653	6.28	M
20 Tetryl						
1	13.671	13.671	0.0	589	6.81	M
5 Nitrobenzene						
1	14.234	14.234	0.0	444	6.02	M
7 Nitroglycerin						
2	14.884	14.884	0.0	1660	25.6	
25 2,4,6-Trinitrotoluene						
1	15.761	15.761	0.0	590	6.36	M
26 4-Amino-2,6-dinitrotoluene						
1	16.221	16.221	0.0	503	6.64	M
\$ 30 3,4-Dinitrotoluene						
1	16.754	16.754	0.0	1159	20.6	M
2	16.754	16.754	0.0	2211	21.4	
6 2-Amino-4,6-dinitrotoluene						
1	17.284	17.284	0.0	553	6.62	M
12 2,6-Dinitrotoluene						
1	18.934	18.934	0.0	426	7.15	M

Data File: \\SACChrom\ChromData\LC10\20121219-1888.b\S000074.D

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
23	2,4-Dinitrotoluene					M
1	19.544	19.544	0.0	656	6.84	M
16	o-Nitrotoluene					M
1	22.891	22.891	0.0	354	7.95	M
15	p-Nitrotoluene					M
1	24.631	24.631	0.0	382	7.15	M
8	m-Nitrotoluene					M
1	26.344	26.344	0.0	360	6.67	M
21	PETN					M
2	28.861	28.861	0.0	1029	28.0	M

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 26-Dec-2012 08:51:04

Chrom Revision: 2.1 24-Dec-2012 15:14:58

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121219-1888.b\IS000074.D

Injection Date: 21-Dec-2012 17:23:00

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 7620

Lims Sample ID: 74

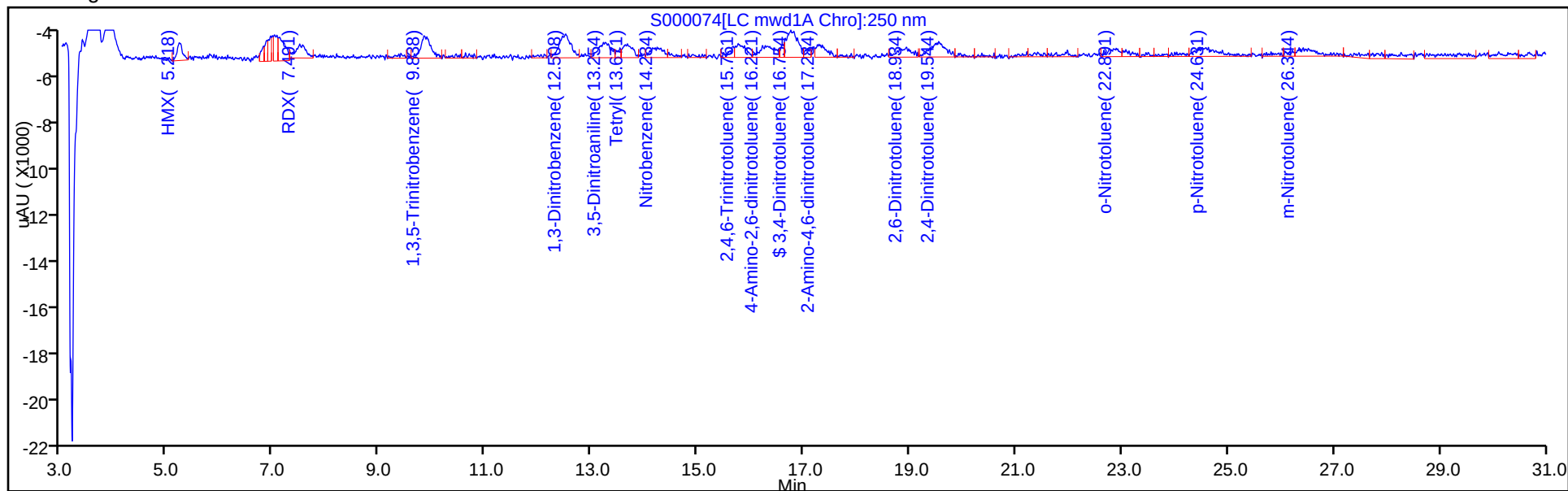
Operator ID: RN

Injection Vol: 500.0 ul

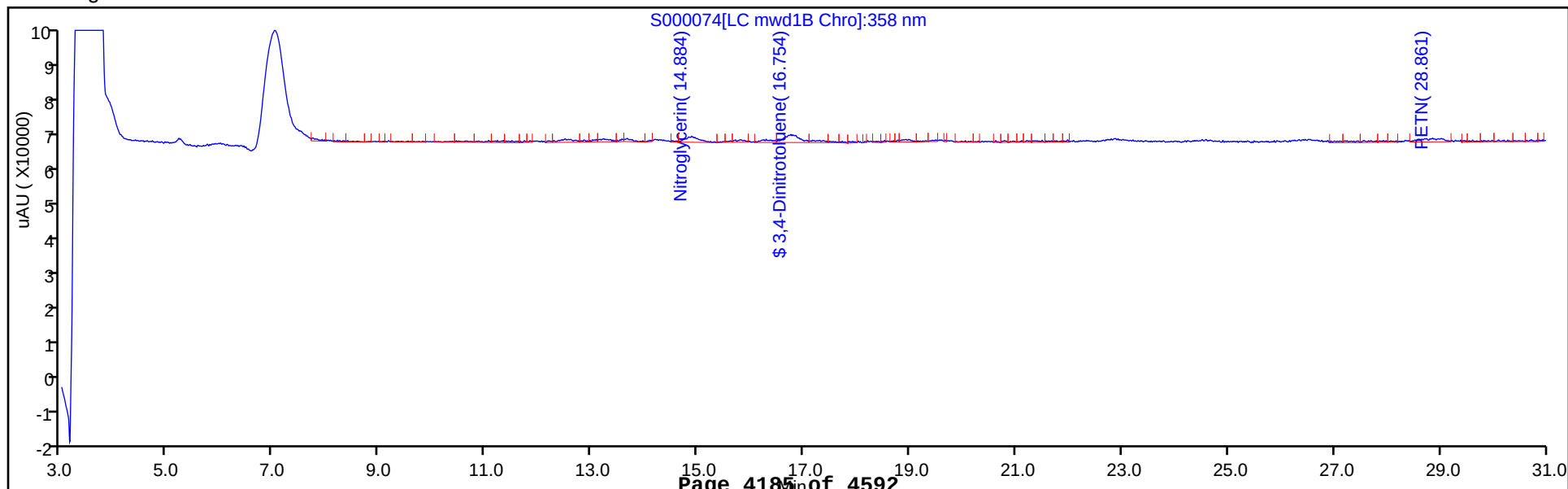
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



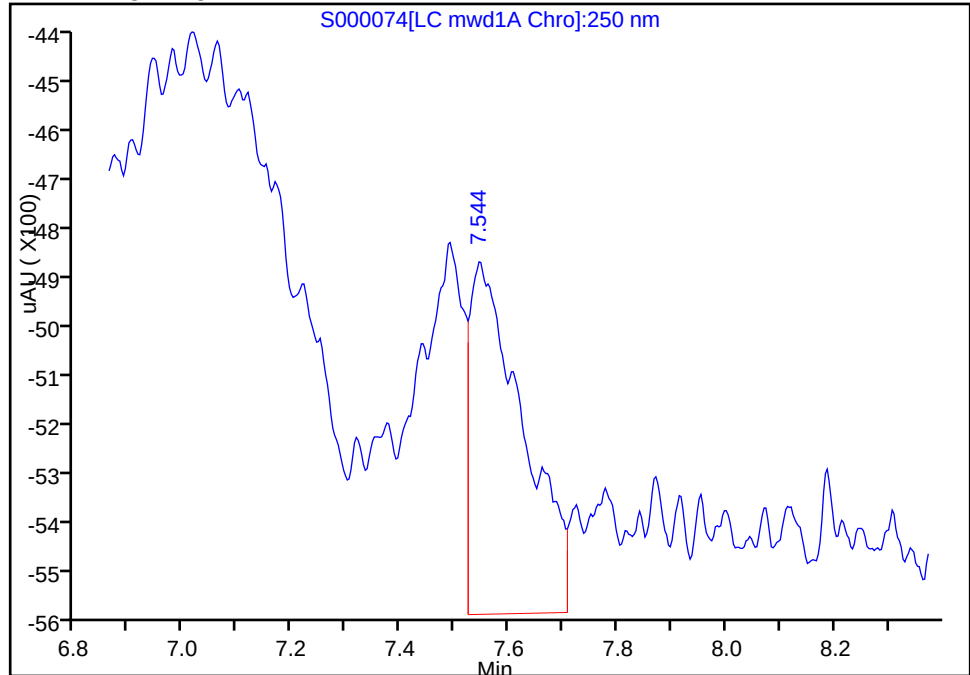
TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121219-1888.b\S000074.D
Injection Date: 21-Dec-2012 17:23:00 Limit Group: LC 8330B ICAL
Client ID: Instrument ID: LC10
Lims Batch ID: 7620 Lims Sample ID: 74
Operator ID: RN Injection Vol: 500.0 ul
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm

19 RDX, Signal: 1, Type: quant, RT: 7.49, Det: LC mwd1A

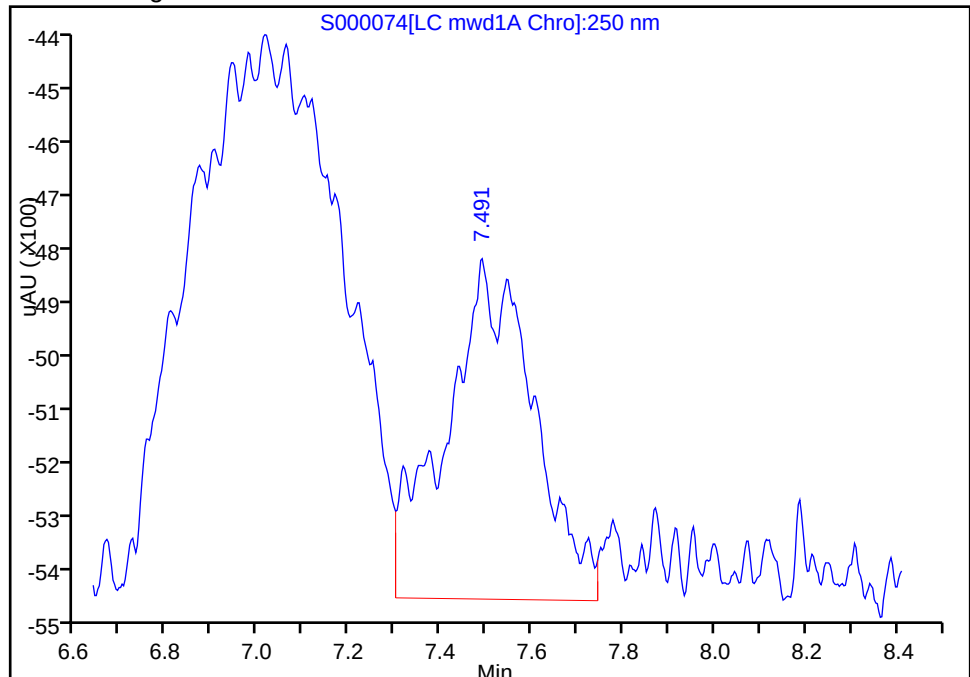
RT: 7.54
Response: 654
Amount: 7.349429

Processing Integration Results



RT: 7.49
Response: 594
Amount: 6.675170

Manual Integration Results



Reviewer: noonanr, 26-Dec-2012 08:51:03
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

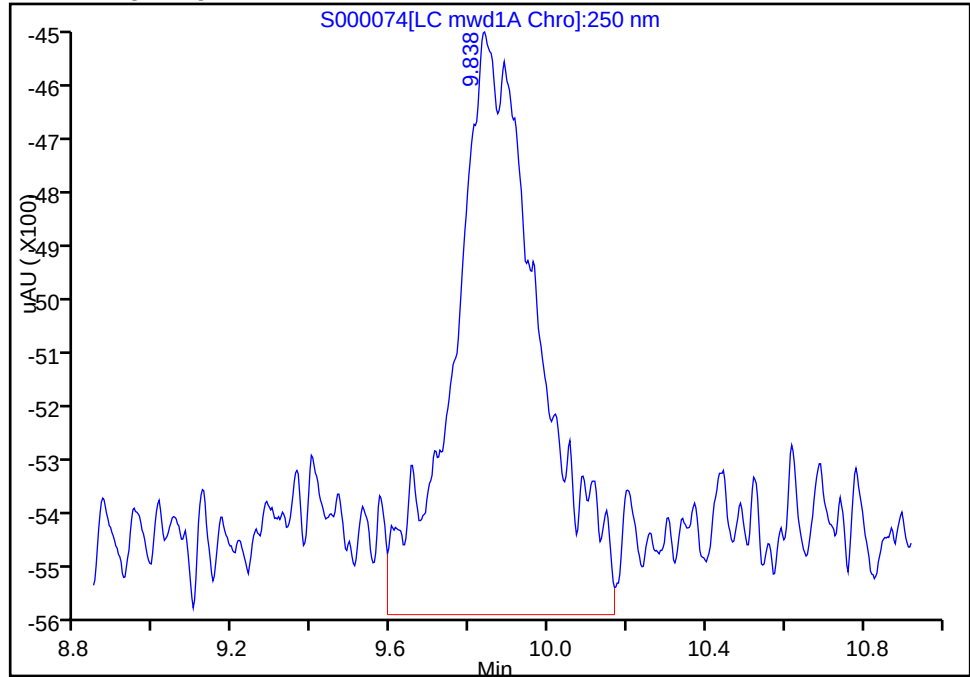
TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121219-1888.b\S000074.D
Injection Date: 21-Dec-2012 17:23:00 Limit Group: LC 8330B ICAL
Client ID: Instrument ID: LC10
Lims Batch ID: 7620 Lims Sample ID: 74
Operator ID: RN Injection Vol: 500.0 ul
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm

27 1,3,5-Trinitrobenzene, Signal: 1, Type: quant, RT: 9.84, Det: LC mwd1A

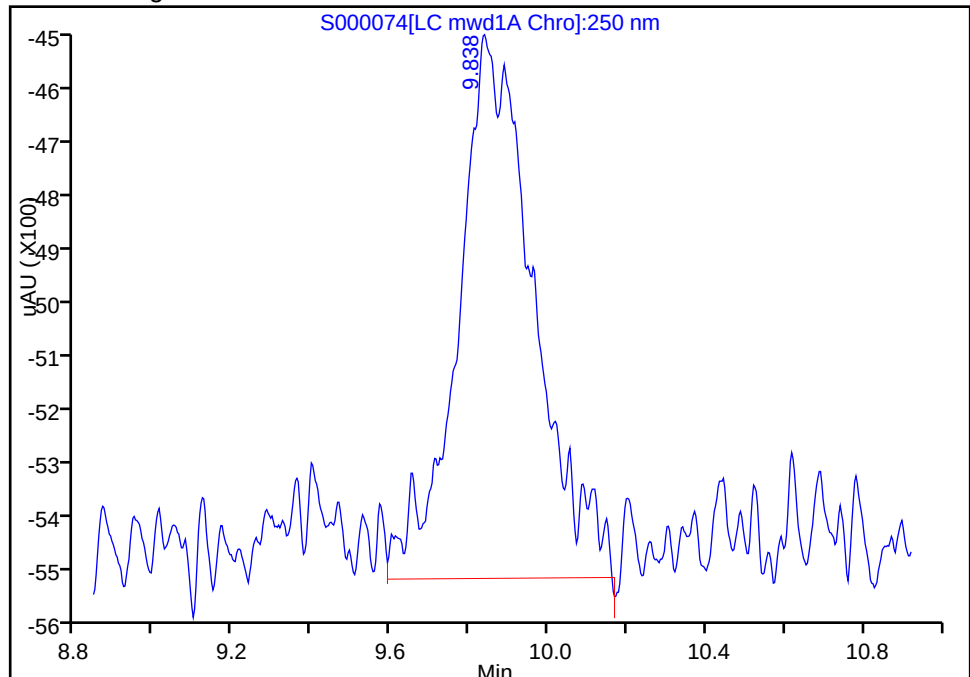
RT: 9.84
Response: 1035
Amount: 6.362477

Processing Integration Results



RT: 9.84
Response: 954
Amount: 5.864544

Manual Integration Results



Reviewer: noonanr, 26-Dec-2012 08:51:03
Audit Action: Assigned New Baseline
Audit Reason: Baseline

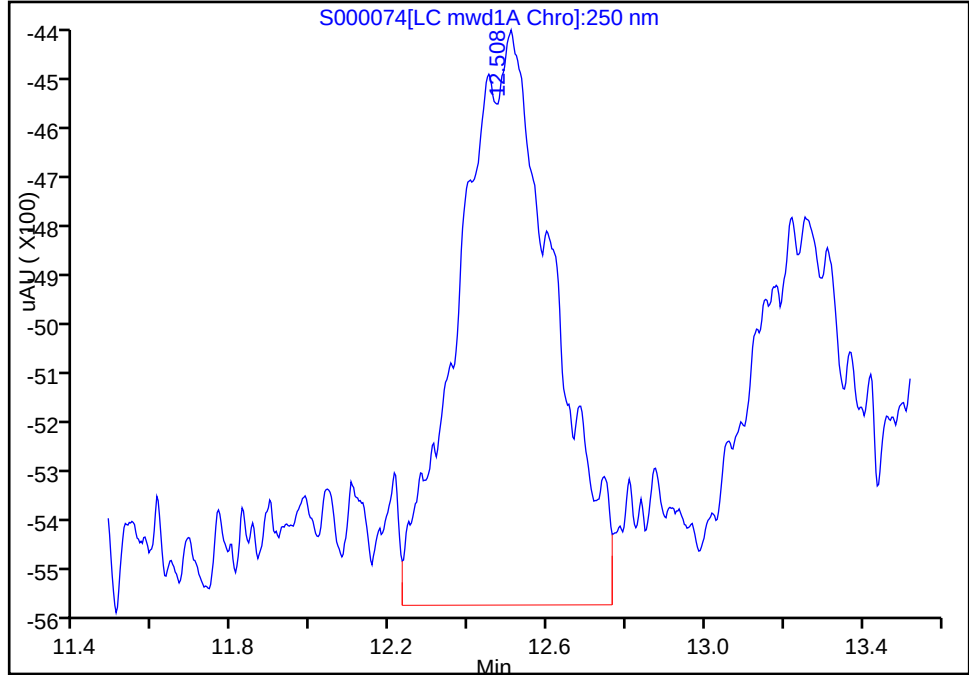
TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121219-1888.b\S000074.D
Injection Date: 21-Dec-2012 17:23:00 Limit Group: LC 8330B ICAL
Client ID: Instrument ID: LC10
Lims Batch ID: 7620 Lims Sample ID: 74
Operator ID: RN Injection Vol: 500.0 ul
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm

24 1,3-Dinitrobenzene, Signal: 1, Type: quant, RT: 12.51, Det: LC mwd1A

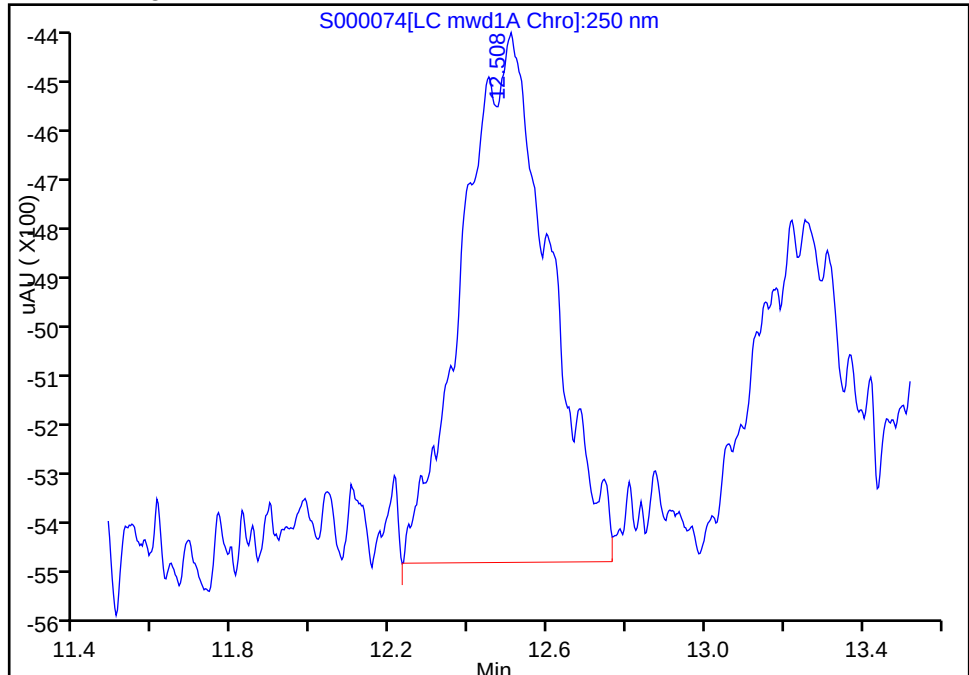
RT: 12.51
Response: 1103
Amount: 6.822592

Processing Integration Results



RT: 12.51
Response: 1016
Amount: 6.284455

Manual Integration Results



Reviewer: noonanr, 26-Dec-2012 08:51:03
Audit Action: Assigned New Baseline
Audit Reason: Baseline

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121219-1888.b\S000074.D

Injection Date: 21-Dec-2012 17:23:00

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 7620

Lims Sample ID: 74

Operator ID: RN

Injection Vol: 500.0 ul

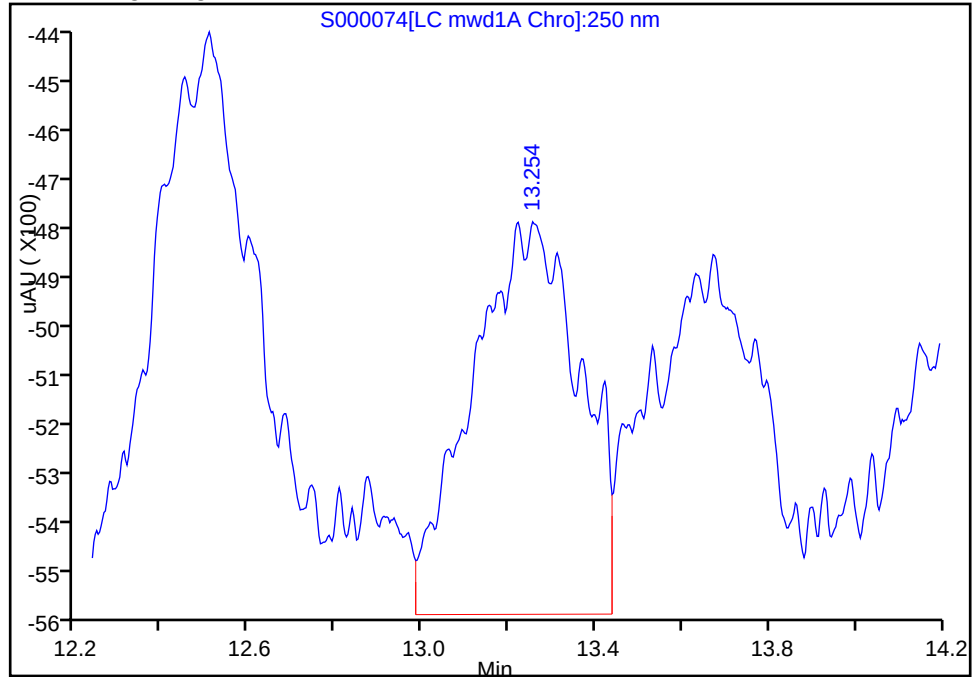
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

9 3,5-Dinitroaniline, Signal: 1, Type: quant, RT: 13.25, Det: LC mwd1A

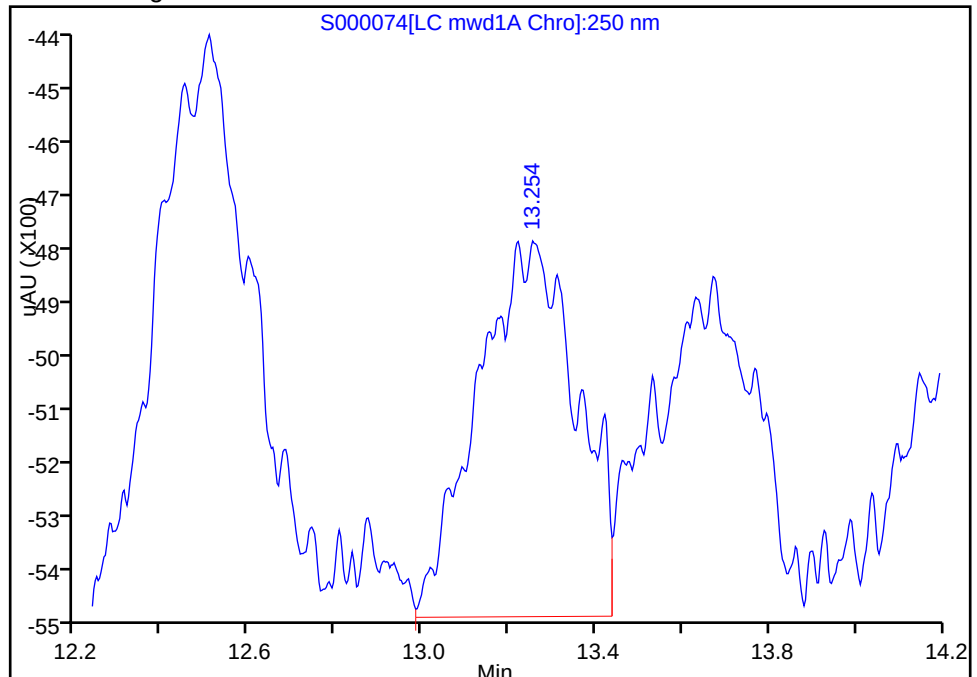
RT: 13.25
Response: 742
Amount: 7.140718

Processing Integration Results



RT: 13.25
Response: 653
Amount: 6.284216

Manual Integration Results



Reviewer: noonanr, 26-Dec-2012 08:51:03

Audit Action: Assigned New Baseline

Audit Reason: Baseline

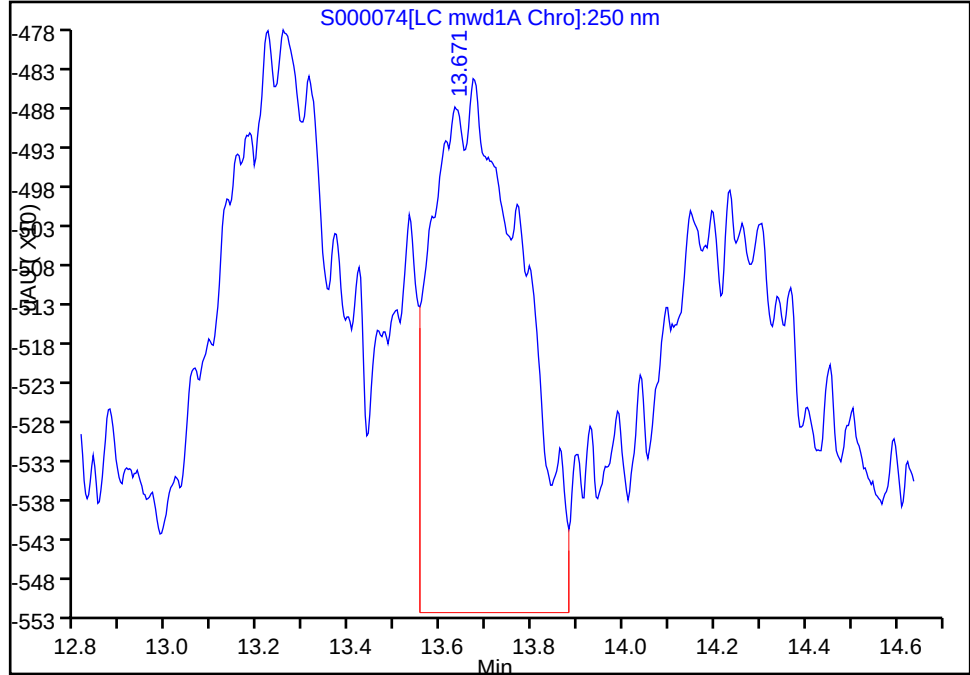
TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121219-1888.b\S000074.D
Injection Date: 21-Dec-2012 17:23:00 Limit Group: LC 8330B ICAL
Client ID: Instrument ID: LC10
Lims Batch ID: 7620 Lims Sample ID: 74
Operator ID: RN Injection Vol: 500.0 ul
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm

20 Tetryl, Signal: 1, Type: quant, RT: 13.67, Det: LC mwd1A

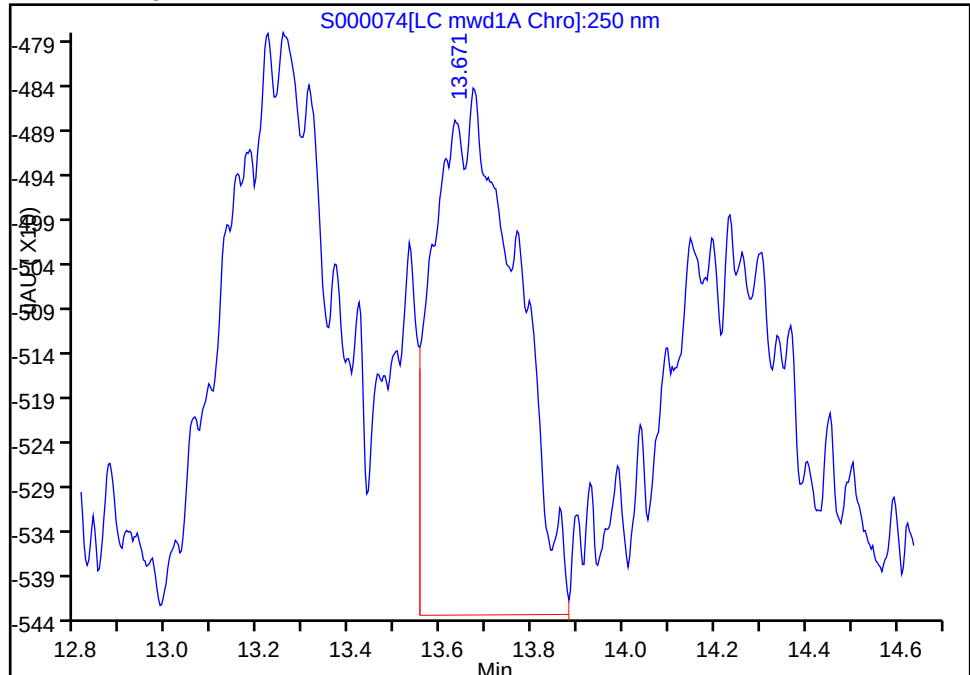
RT: 13.67
Response: 679
Amount: 7.845097

Processing Integration Results



RT: 13.67
Response: 589
Amount: 6.805246

Manual Integration Results



Reviewer: noonanr, 26-Dec-2012 08:51:03
Audit Action: Assigned New Baseline
Audit Reason: Baseline

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121219-1888.b\S000074.D

Injection Date: 21-Dec-2012 17:23:00

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 7620

Lims Sample ID: 74

Operator ID: RN

Injection Vol: 500.0 ul

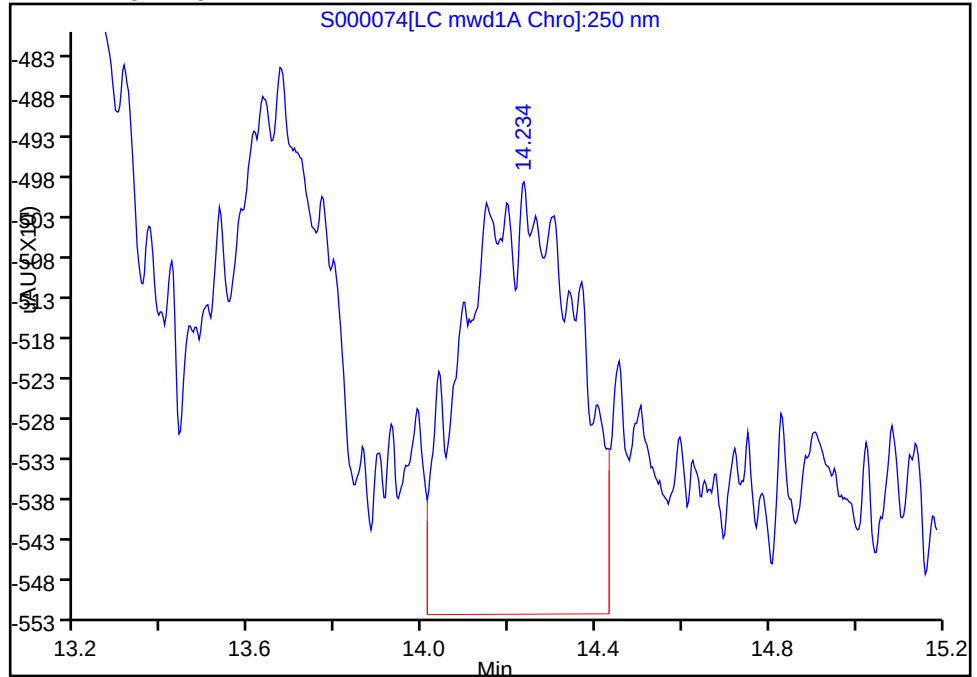
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

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

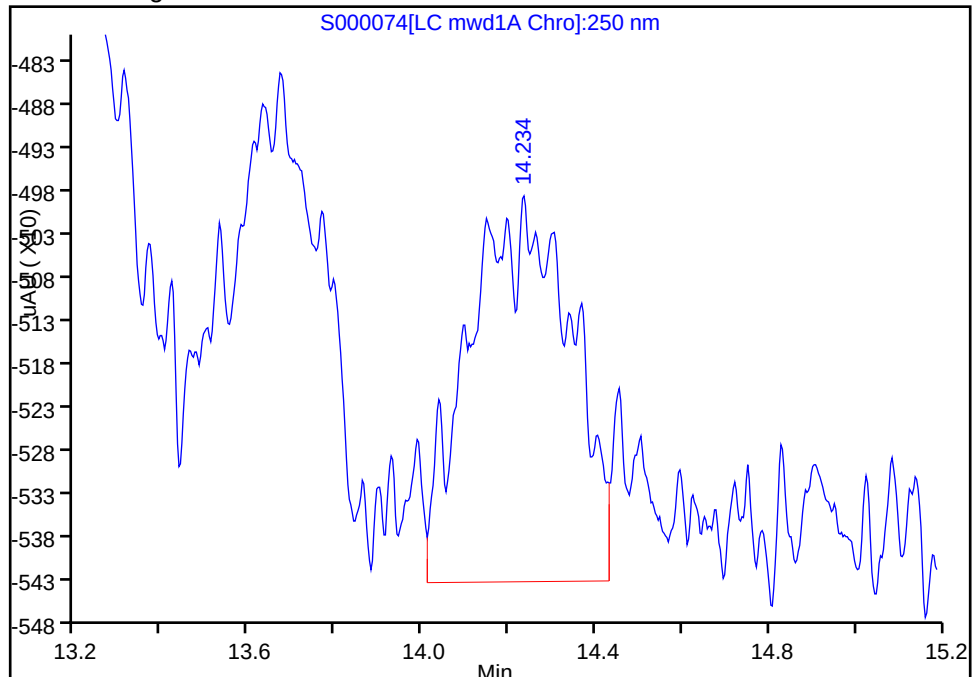
RT: 14.23
Response: 535
Amount: 7.255258

Processing Integration Results



RT: 14.23
Response: 444
Amount: 6.021186

Manual Integration Results



Reviewer: noonanr, 26-Dec-2012 08:51:03

Audit Action: Assigned New Baseline

Audit Reason: Baseline

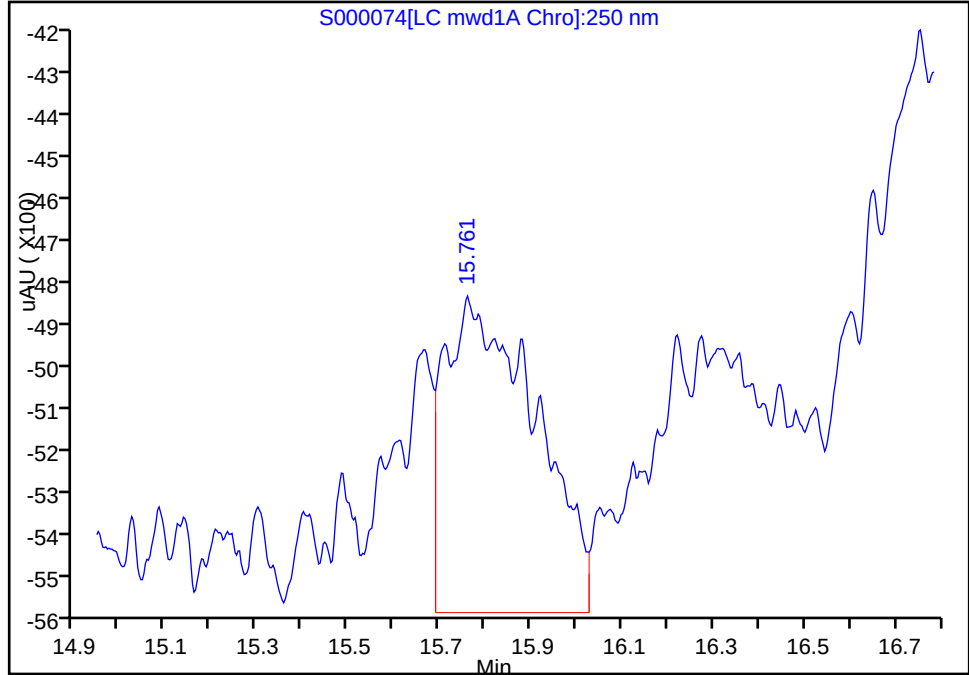
TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121219-1888.b\S000074.D
Injection Date: 21-Dec-2012 17:23:00 Limit Group: LC 8330B ICAL
Client ID: Instrument ID: LC10
Lims Batch ID: 7620 Lims Sample ID: 74
Operator ID: RN Injection Vol: 500.0 ul
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm

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

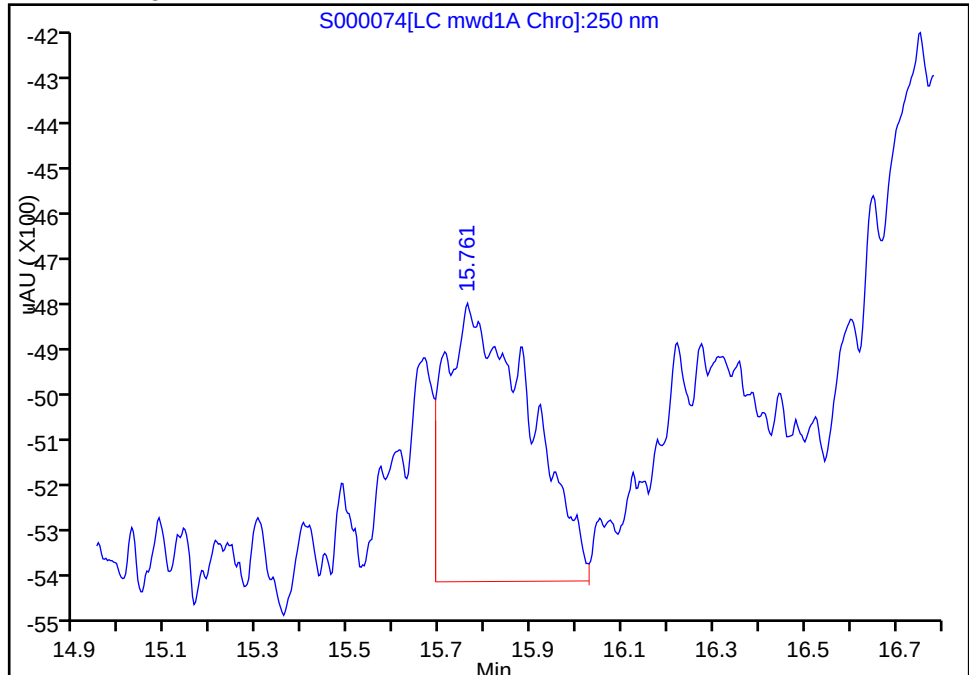
RT: 15.76
Response: 683
Amount: 7.360796

Processing Integration Results



RT: 15.76
Response: 590
Amount: 6.358521

Manual Integration Results



Reviewer: noonanr, 26-Dec-2012 08:51:03
Audit Action: Assigned New Baseline
Audit Reason: Baseline

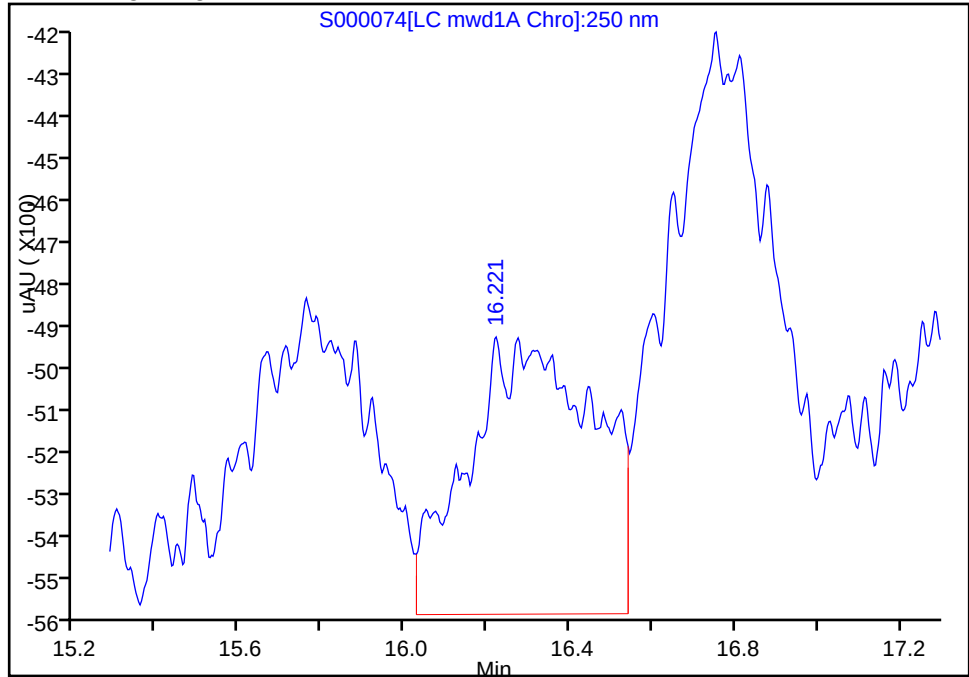
TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121219-1888.b\S000074.D
Injection Date: 21-Dec-2012 17:23:00 Limit Group: LC 8330B ICAL
Client ID: Instrument ID: LC10
Lims Batch ID: 7620 Lims Sample ID: 74
Operator ID: RN Injection Vol: 500.0 ul
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm

26 4-Amino-2,6-dinitrotoluene, Signal: 1, Type: quant, RT: 16.22, Det: LC mwd1A

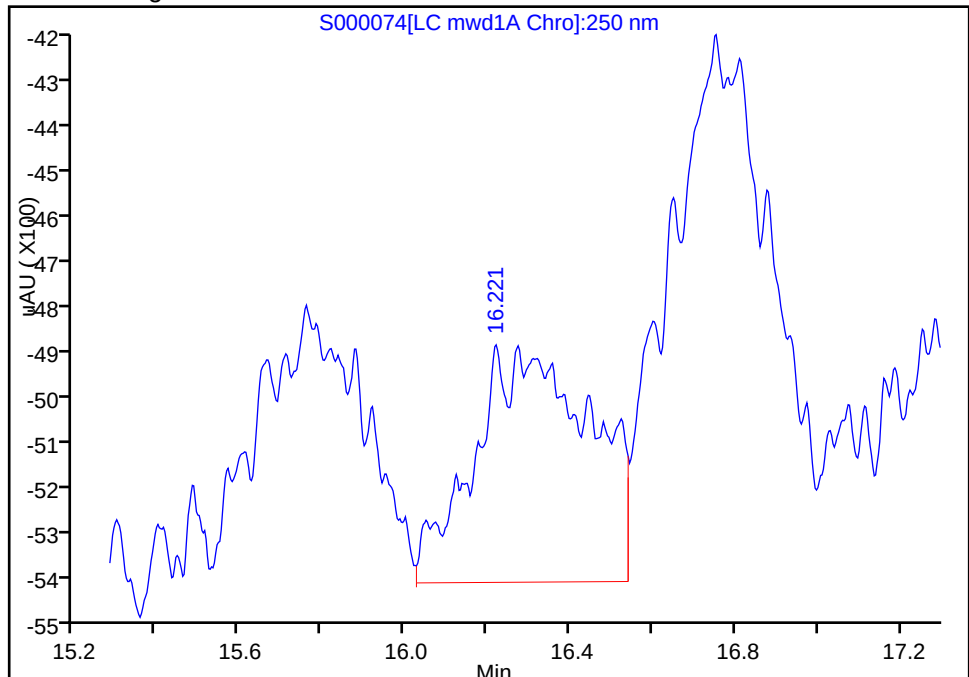
RT: 16.22
Response: 598
Amount: 7.896396

Processing Integration Results



RT: 16.22
Response: 503
Amount: 6.641952

Manual Integration Results



Reviewer: noonanr, 26-Dec-2012 08:51:03
Audit Action: Assigned New Baseline
Audit Reason: Baseline

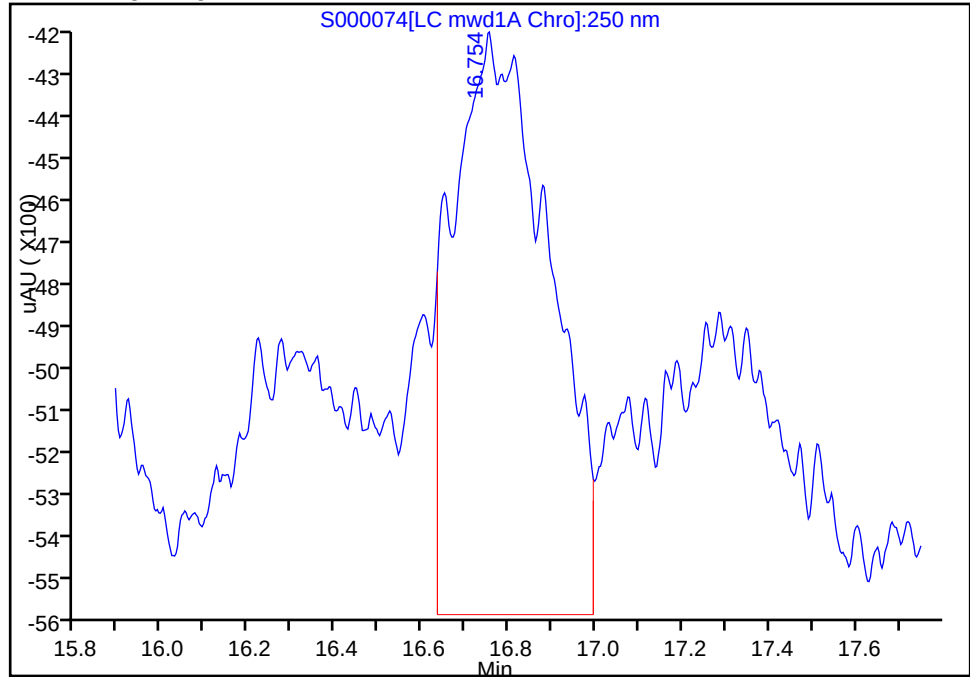
TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121219-1888.b\S000074.D
Injection Date: 21-Dec-2012 17:23:00 Limit Group: LC 8330B ICAL
Client ID: Instrument ID: LC10
Lims Batch ID: 7620 Lims Sample ID: 74
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: 16.75, Det: LC mwd1A

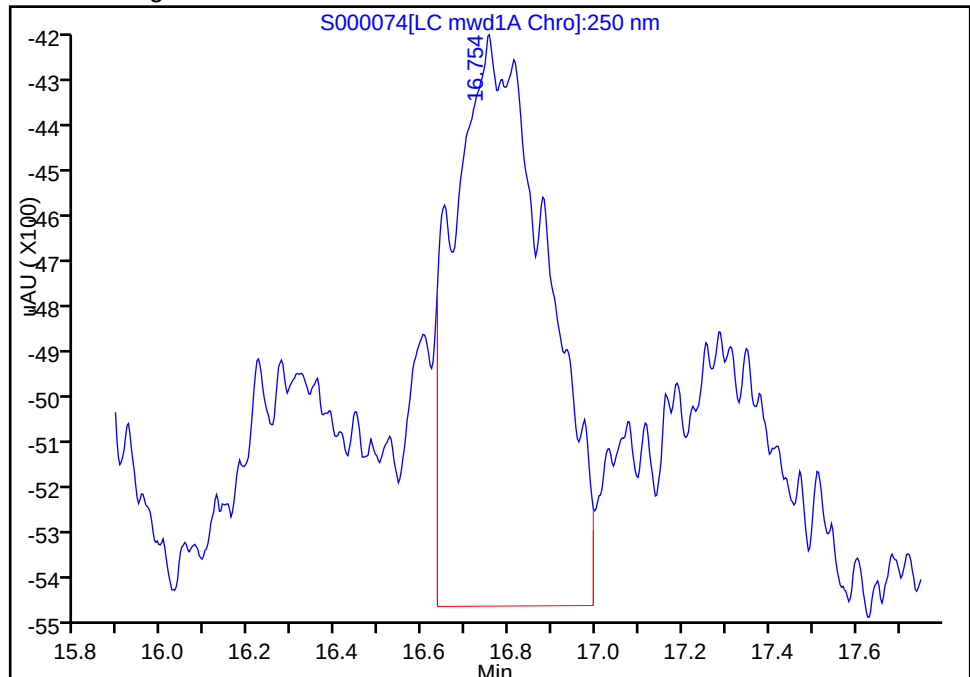
RT: 16.75
Response: 1253
Amount: 22.248989

Processing Integration Results



RT: 16.75
Response: 1159
Amount: 20.579871

Manual Integration Results



Reviewer: noonanr, 26-Dec-2012 08:51:03
Audit Action: Assigned New Baseline
Audit Reason: Baseline

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121219-1888.b\S000074.D

Injection Date: 21-Dec-2012 17:23:00

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 7620

Lims Sample ID: 74

Operator ID: RN

Injection Vol: 500.0 ul

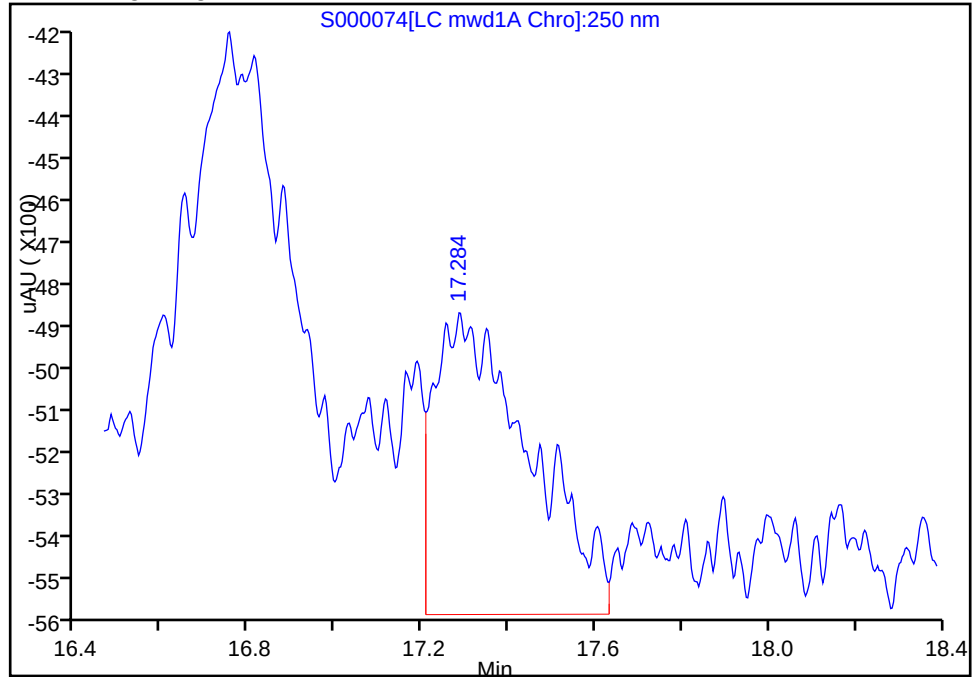
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

6 2-Amino-4,6-dinitrotoluene, Signal: 1, Type: quant, RT: 17.28, Det: LC mwd1A

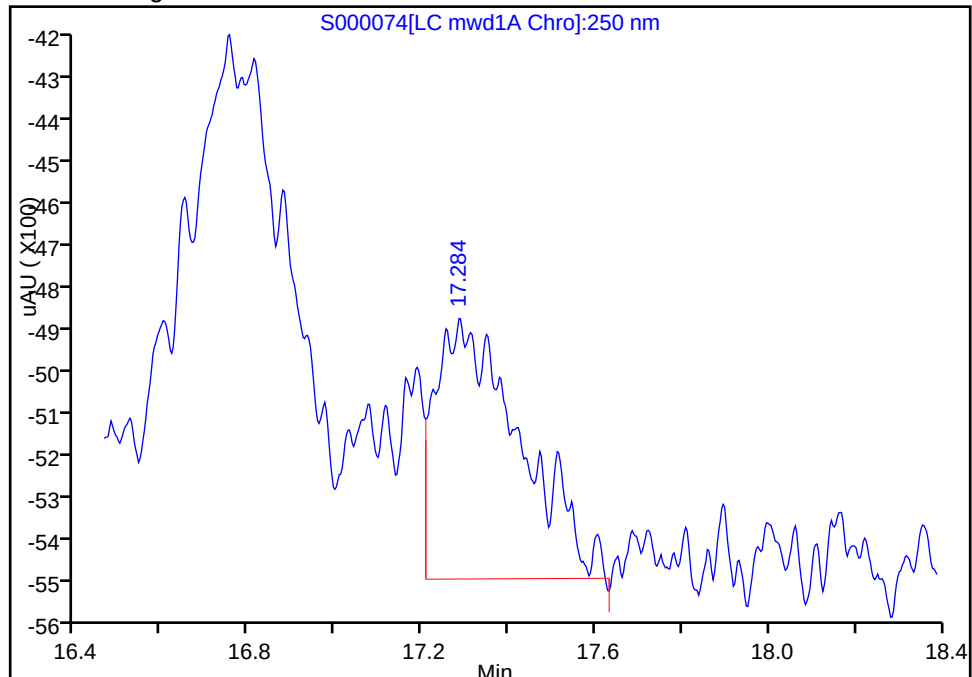
RT: 17.28
Response: 647
Amount: 7.740045

Processing Integration Results



RT: 17.28
Response: 553
Amount: 6.615525

Manual Integration Results



Reviewer: noonanr, 26-Dec-2012 08:51:03

Audit Action: Assigned New Baseline

Audit Reason: Baseline

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121219-1888.b\S000074.D

Injection Date: 21-Dec-2012 17:23:00

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 7620

Lims Sample ID: 74

Operator ID: RN

Injection Vol: 500.0 ul

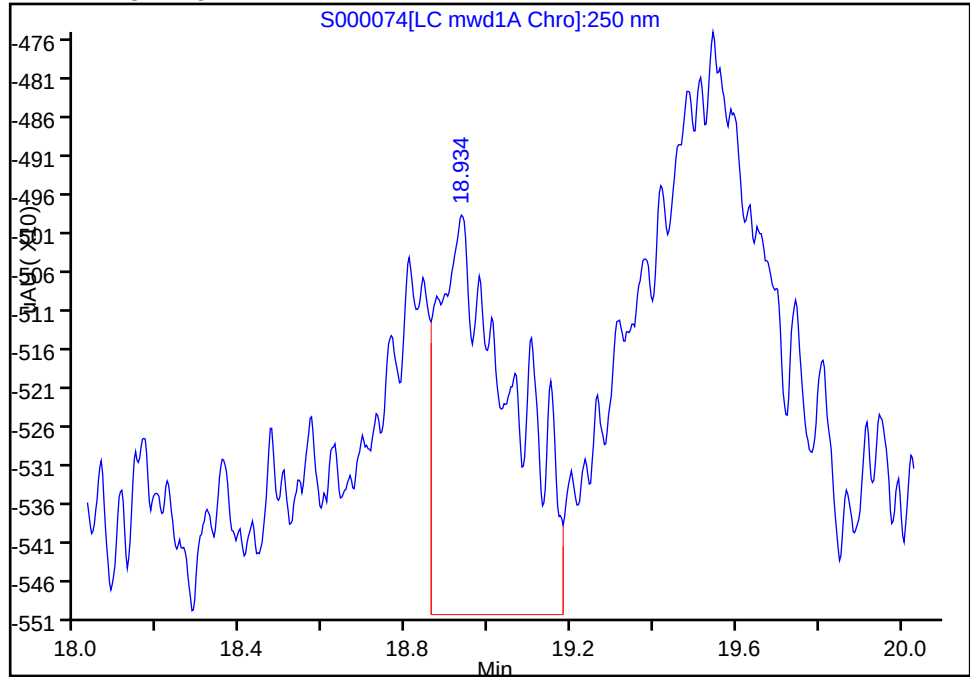
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

12 2,6-Dinitrotoluene, Signal: 1, Type: quant, RT: 18.93, Det: LC mwd1A

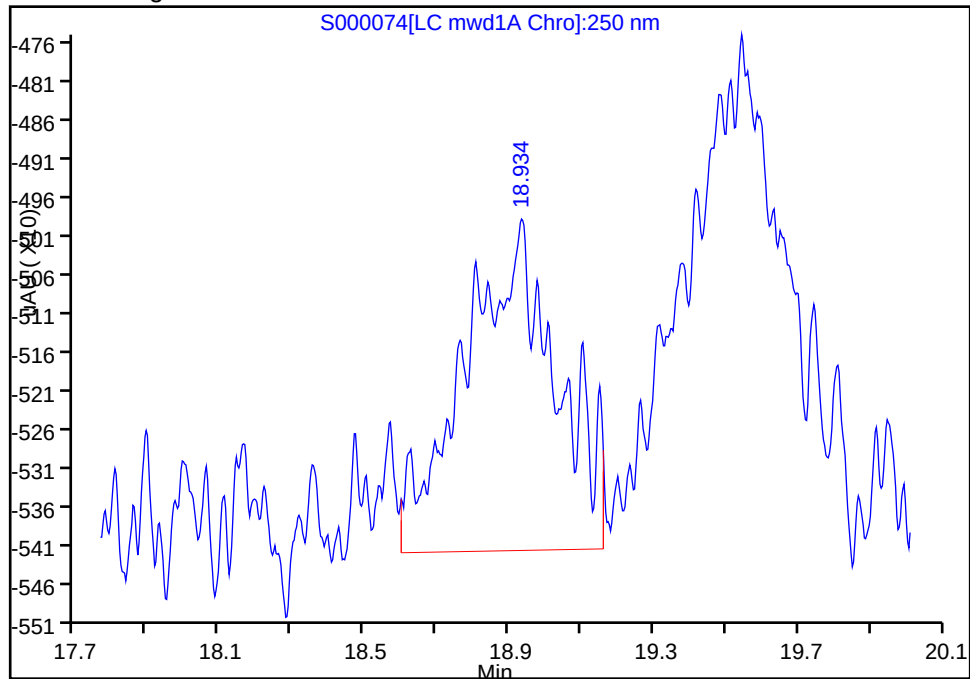
RT: 18.93
Response: 517
Amount: 8.677154

Processing Integration Results



RT: 18.93
Response: 426
Amount: 7.149840

Manual Integration Results



Reviewer: noonanr, 26-Dec-2012 08:51:03

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

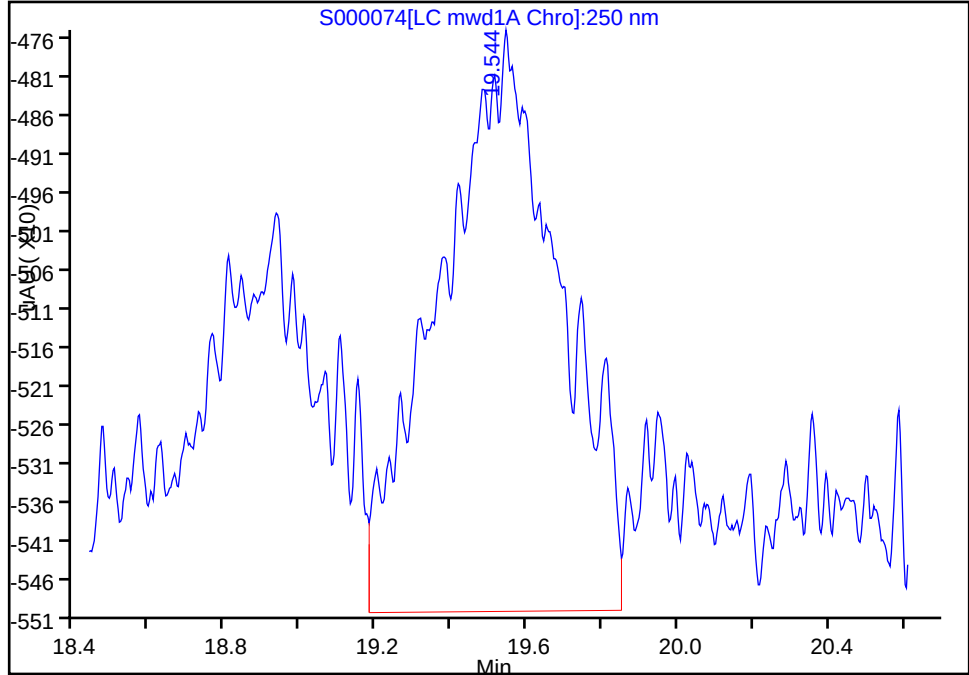
TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121219-1888.b\S000074.D
Injection Date: 21-Dec-2012 17:23:00 Limit Group: LC 8330B ICAL
Client ID: Instrument ID: LC10
Lims Batch ID: 7620 Lims Sample ID: 74
Operator ID: RN Injection Vol: 500.0 ul
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm

23 2,4-Dinitrotoluene, Signal: 1, Type: quant, RT: 19.54, Det: LC mwd1A

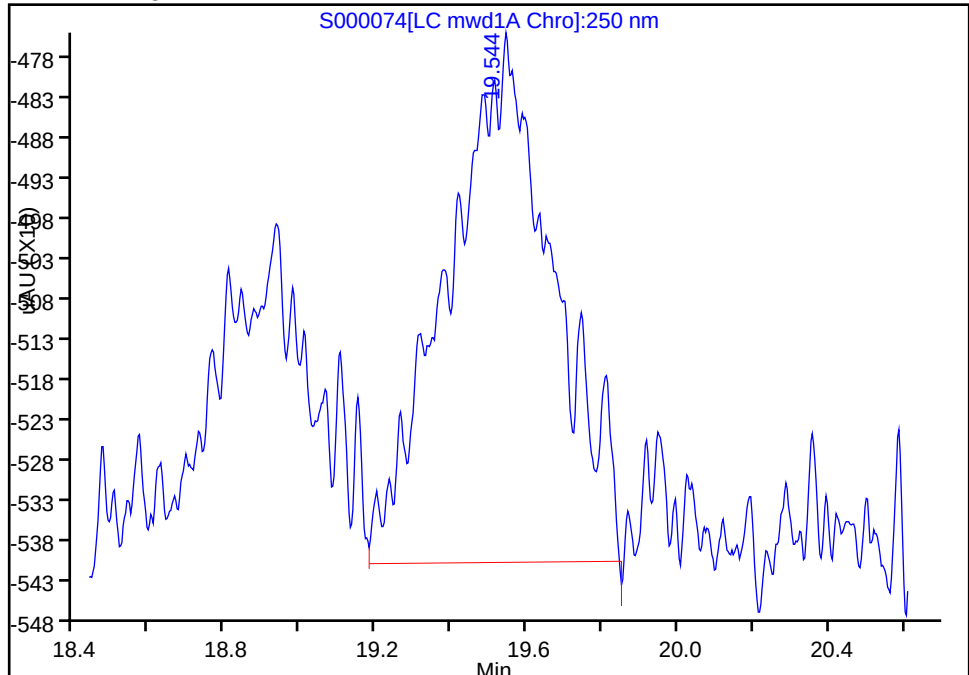
RT: 19.54
Response: 752
Amount: 7.835925

Processing Integration Results



RT: 19.54
Response: 656
Amount: 6.835594

Manual Integration Results



Reviewer: noonanr, 26-Dec-2012 08:51:03
Audit Action: Assigned New Baseline
Audit Reason: Baseline

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121219-1888.b\S000074.D

Injection Date: 21-Dec-2012 17:23:00

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 7620

Lims Sample ID: 74

Operator ID: RN

Injection Vol: 500.0 ul

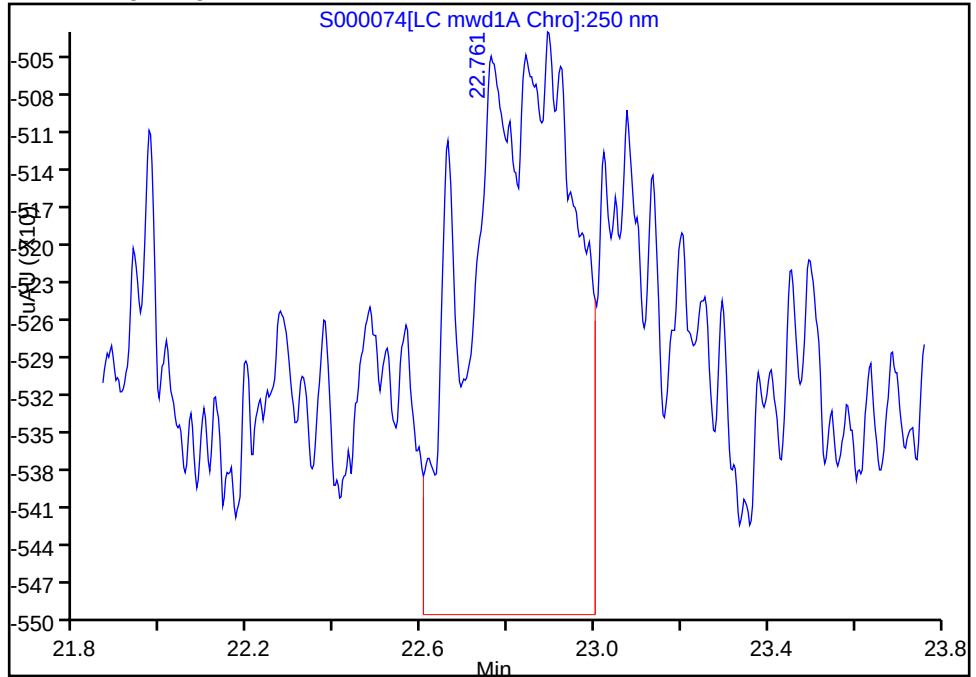
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

16 o-Nitrotoluene, Signal: 1, Type: quant, RT: 22.89, Det: LC mwd1A

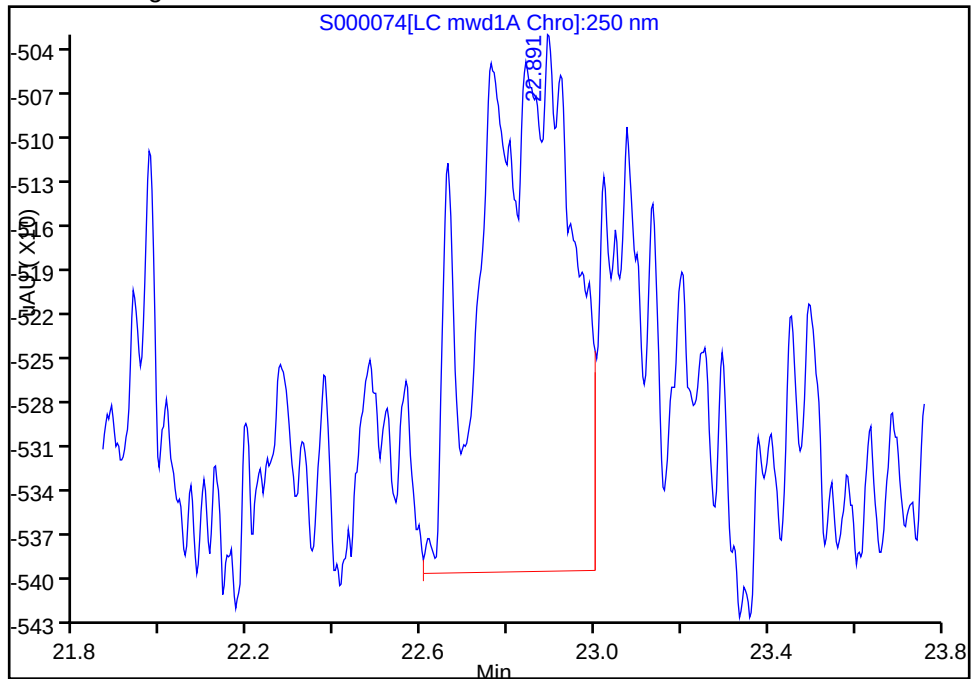
RT: 22.76
Response: 436
Amount: 9.785658

Processing Integration Results



RT: 22.89
Response: 354
Amount: 7.945236

Manual Integration Results



Reviewer: noonanr, 26-Dec-2012 08:51:03

Audit Action: Assigned New Baseline

Audit Reason: Baseline

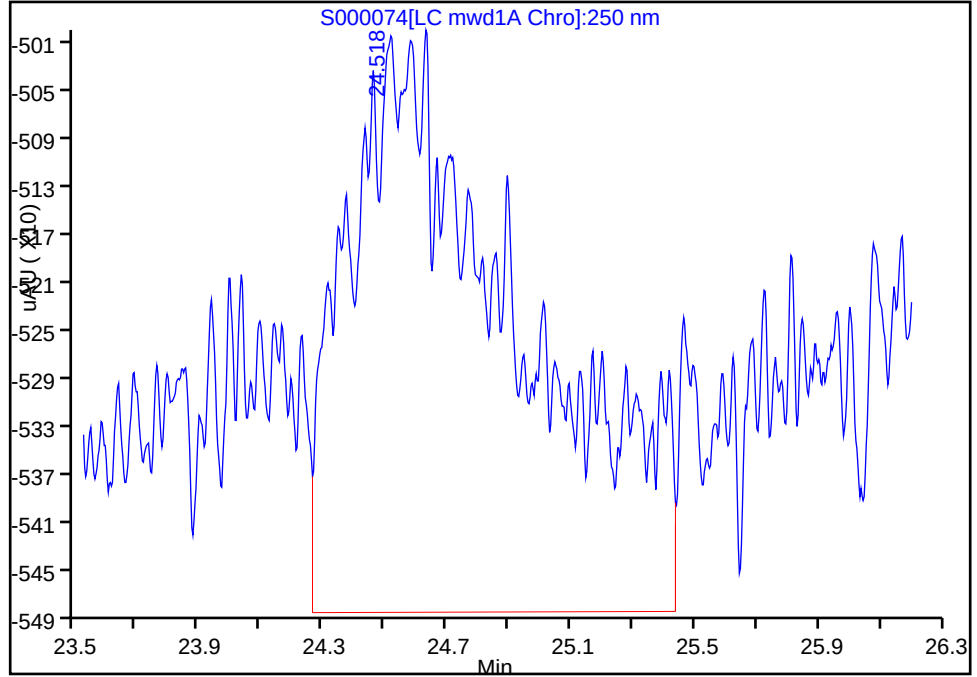
TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121219-1888.b\S000074.D
Injection Date: 21-Dec-2012 17:23:00 Limit Group: LC 8330B ICAL
Client ID: Instrument ID: LC10
Lims Batch ID: 7620 Lims Sample ID: 74
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: 24.63, Det: LC mwd1A

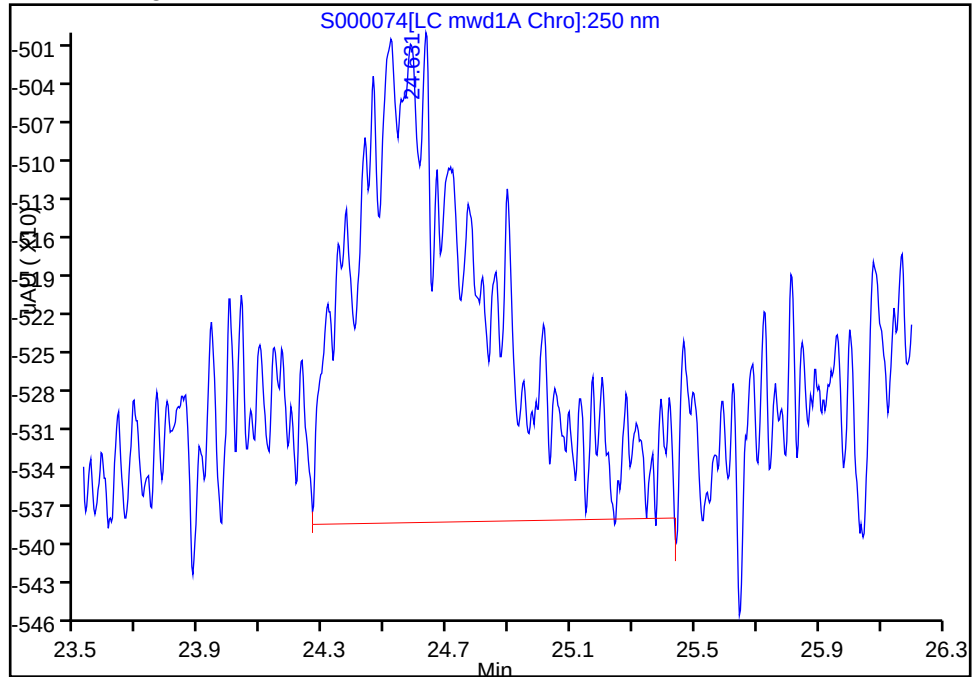
RT: 24.52
Response: 482
Amount: 9.021276

Processing Integration Results



RT: 24.63
Response: 382
Amount: 7.149642

Manual Integration Results



Reviewer: noonanr, 26-Dec-2012 08:51:03
Audit Action: Assigned New Baseline
Audit Reason: Baseline

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121219-1888.b\S000074.D

Injection Date: 21-Dec-2012 17:23:00

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 7620

Lims Sample ID: 74

Operator ID: RN

Injection Vol: 500.0 ul

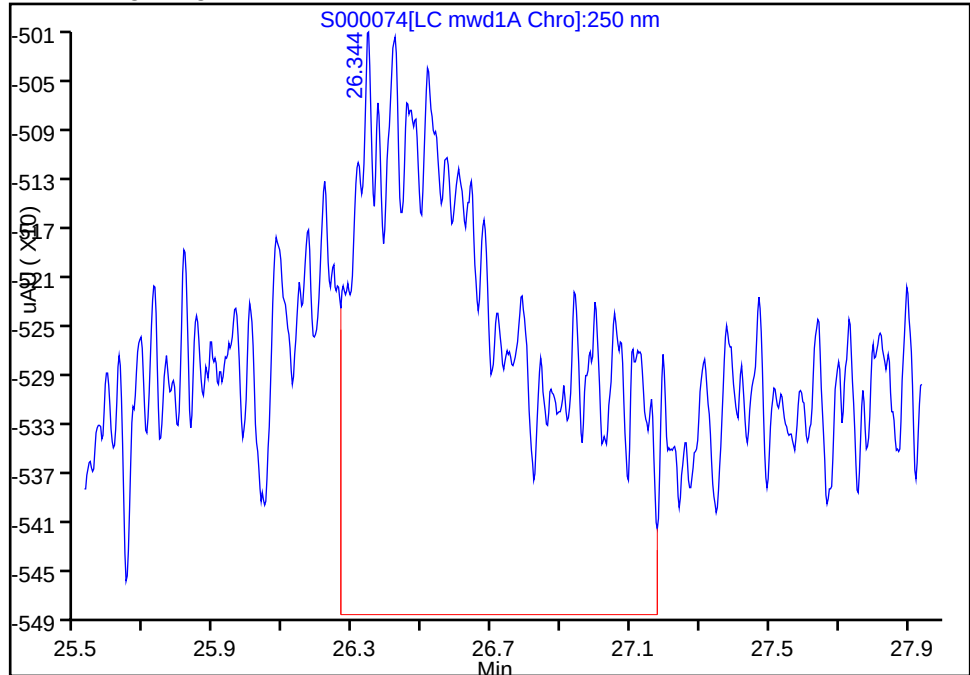
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

8 m-Nitrotoluene, Signal: 1, Type: quant, RT: 26.34, Det: LC mwd1A

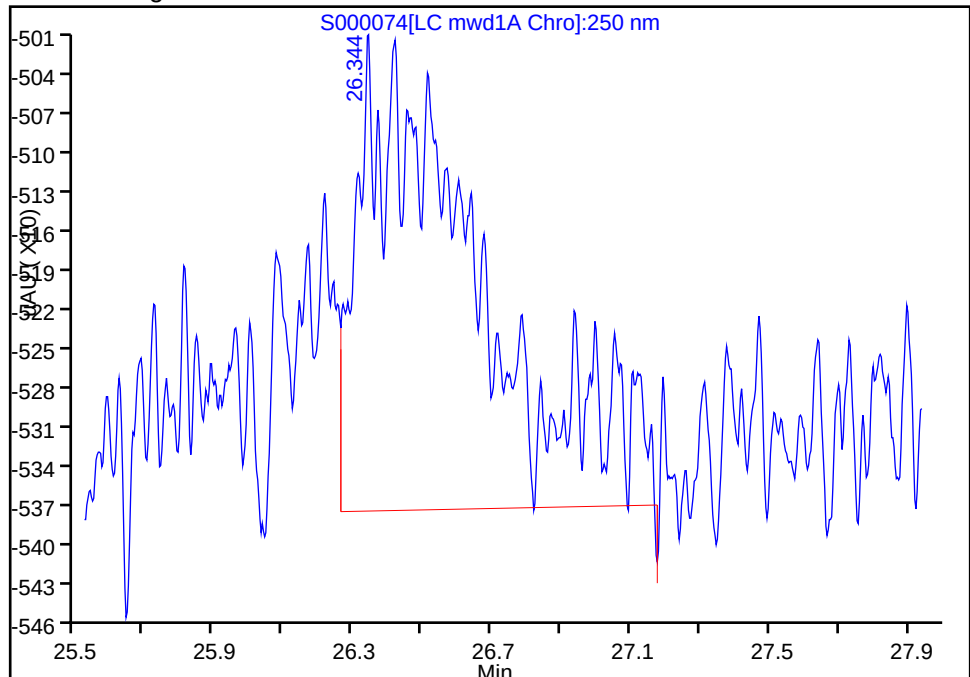
RT: 26.34
Response: 468
Amount: 8.677031

Processing Integration Results



RT: 26.34
Response: 360
Amount: 6.674639

Manual Integration Results



Reviewer: noonanr, 26-Dec-2012 08:51:03

Audit Action: Assigned New Baseline

Audit Reason: Baseline

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121219-1888.b\S000074.D

Injection Date: 21-Dec-2012 17:23:00

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 7620

Lims Sample ID: 74

Operator ID: RN

Injection Vol: 500.0 ul

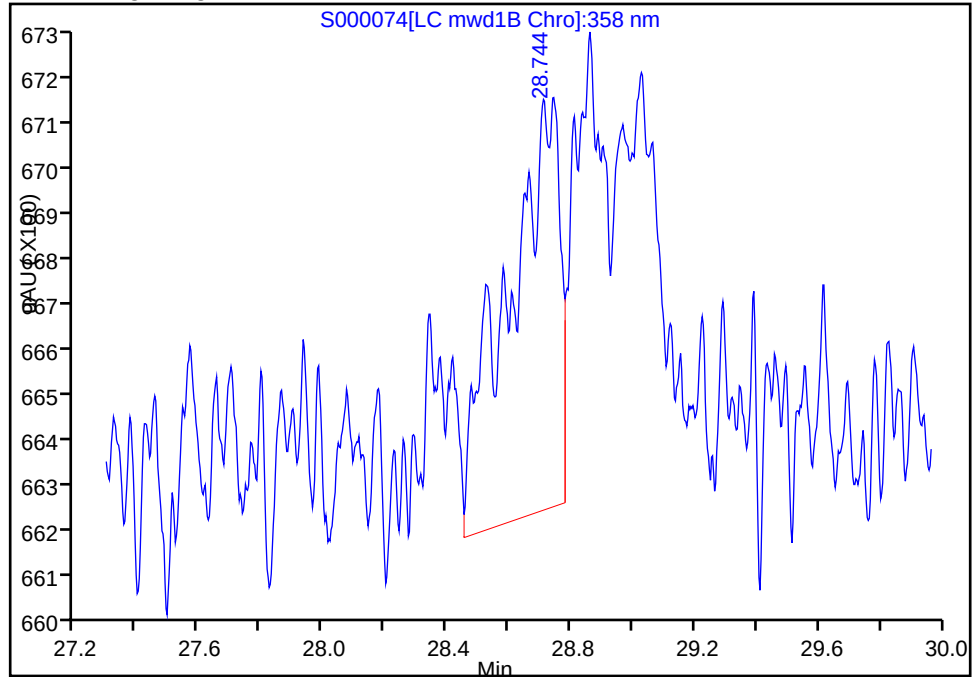
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

21 PETN, Signal: 1, Type: quant, RT: 28.86, Det: LC mwd1B

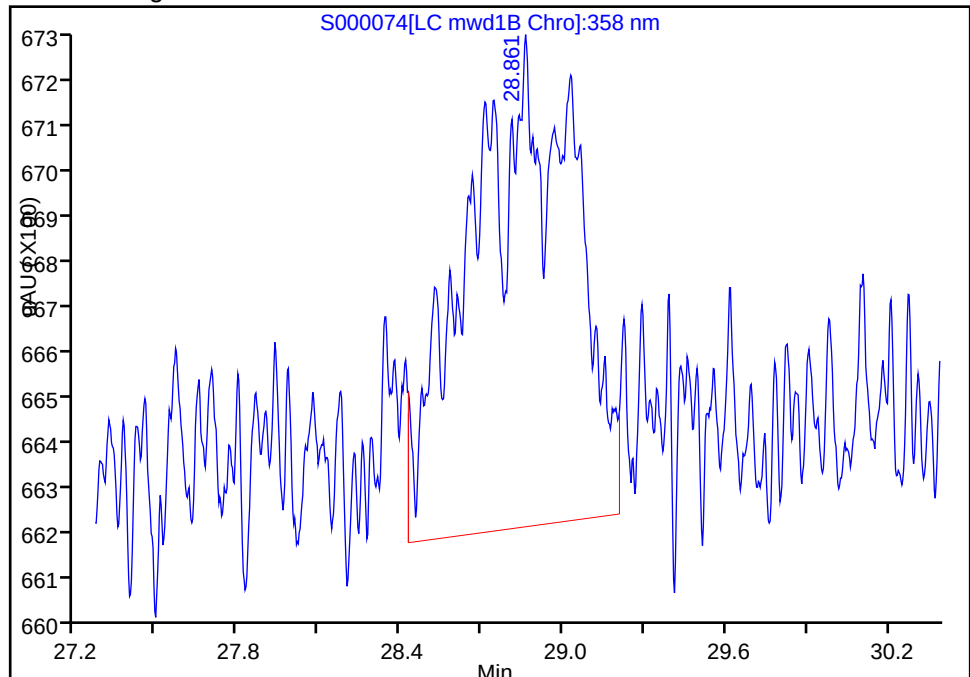
RT: 28.74
Response: 856
Amount: 23.308585

Processing Integration Results



RT: 28.86
Response: 1029
Amount: 28.019315

Manual Integration Results



Reviewer: noonanr, 26-Dec-2012 08:51:03

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-18703-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 320-7404/1-A
 Matrix: Water Lab File ID: S000068.D
 Analysis Method: 8330B Date Collected: _____
 Extraction Method: 8330-Prep Date Extracted: 12/14/2012 11:07
 Sample wt/vol: 1000 (mL) Date Analyzed: 12/21/2012 13:22
 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.: 7620 Units: ug/L

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

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

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20121219-1888.b\S000068.D
Lims ID: MB 320-7404/1-A Client ID:
Inject. Date: 21-Dec-2012 13:22:10 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: 320-0001888-068
Misc. Info.:
Operator: RN Instrument ID: LC10
Injection Vol: 500.0 ul ALS Bottle#: 69
Lims Batch ID: 7620 Lims Sample ID: 68
Method: \\SACChrom\ChromData\LC10\20121219-1888.b\8330_LC10.m
Last Update: 26-Dec-2012 08:43:19 Calib Date: 01-Sep-2012 16:31:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D
Limit Group: LC 8330B ICAL
Integrator: Falcon
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
Process Host: XAWRK028

First Level Reviewer: noonanr

Date: 26-Dec-2012 08:43:19

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

\$ 30 3,4-Dinitrotoluene

1	17.297	16.796	0.501	6802	120.8	
2	17.304	16.806	0.498	13020	126.0	a

Report Date: 26-Dec-2012 08:43:19

Chrom Revision: 2.1 24-Dec-2012 15:14:58

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121219-1888.b\S000068.D

Injection Date: 21-Dec-2012 13:22:10

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 7620

Lims Sample ID: 68

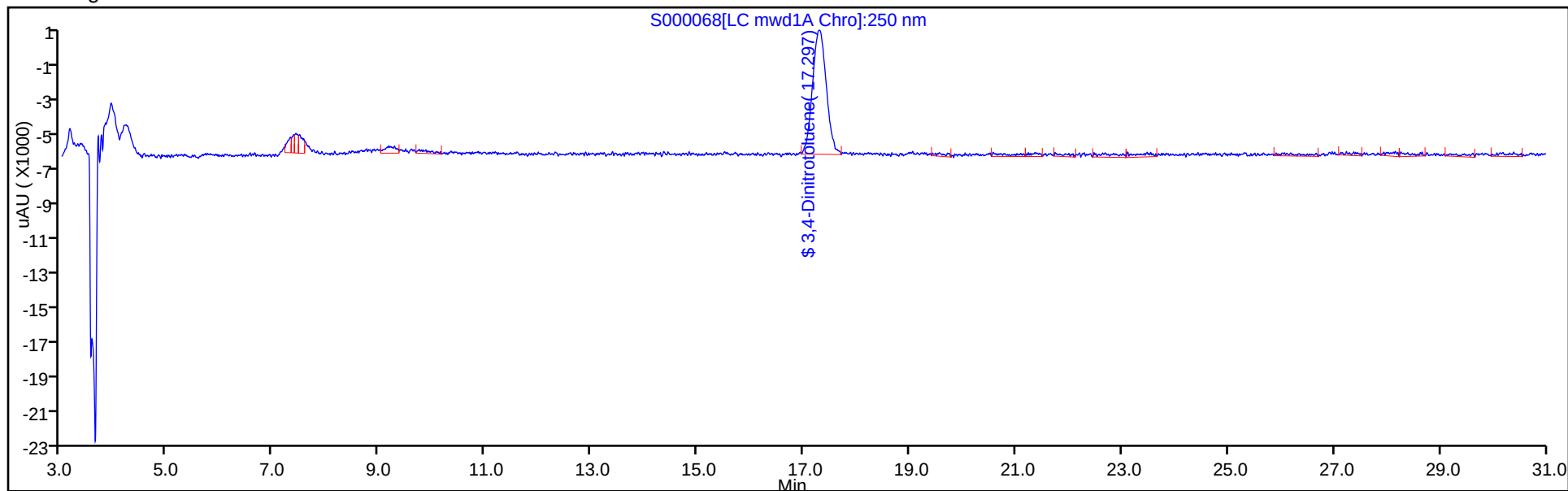
Operator ID: RN

Injection Vol: 500.0 ul

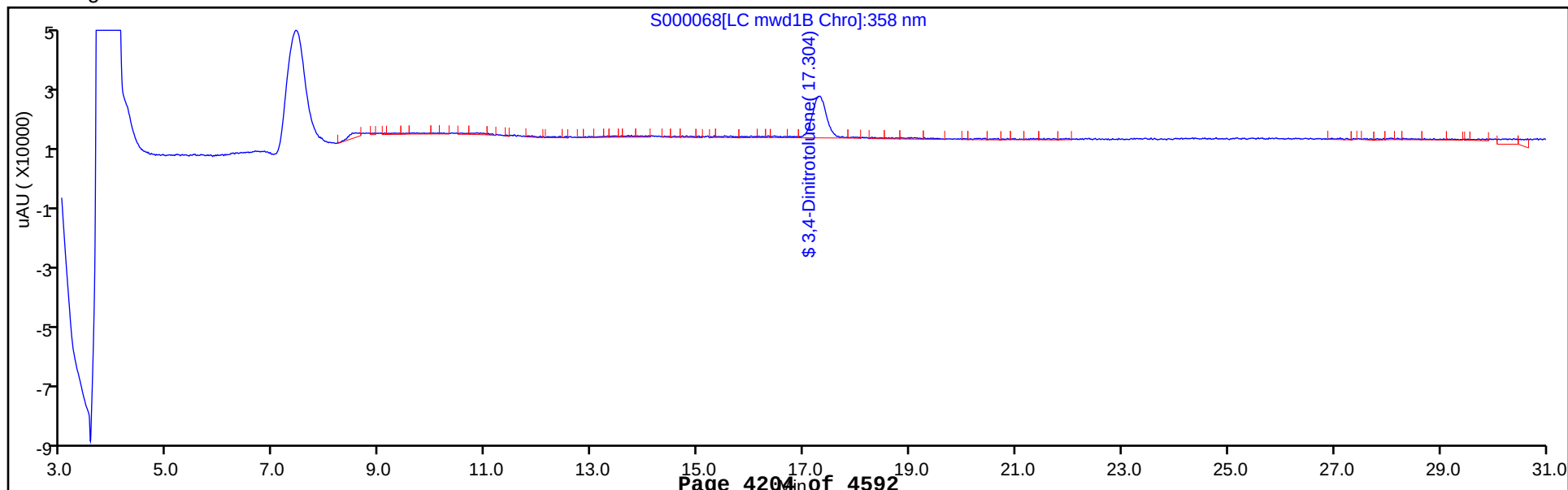
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-18703-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 320-7444/1-A

Matrix: Solid Lab File ID: S000023.D

Analysis Method: 8330B Date Collected: _____

Extraction Method: 8330B Date Extracted: 12/17/2012 10:34

Sample wt/vol: 10.00(g) Date Analyzed: 12/20/2012 07:07

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

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

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

Analysis Batch No.: 7620 Units: mg/Kg

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

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

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20121219-1888.b\S000023.D
Lims ID: MB 320-7444/1-A Client ID:
Inject. Date: 20-Dec-2012 07:07:19 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: 320-0001888-023
Misc. Info.:
Operator: RN Instrument ID: LC10
Injection Vol: 500.0 ul ALS Bottle#: 28
Lims Batch ID: 7620 Lims Sample ID: 23
Method: \\SACChrom\ChromData\LC10\20121219-1888.b\8330_LC10.m
Last Update: 20-Dec-2012 08:40:52 Calib Date: 01-Sep-2012 16:31:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D
Limit Group: LC 8330B ICAL
Integrator: Falcon
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
Process Host: XAWRK002

First Level Reviewer: noonanr

Date: 20-Dec-2012 08:40:52

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

\$ 30 3,4-Dinitrotoluene

1	16.800	16.754	0.046	3414	60.6	
2	16.800	16.754	0.046	6333	61.3	

Report Date: 20-Dec-2012 08:40:52

Chrom Revision: 2.1 14-Dec-2012 09:16:34

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121219-1888.b\S000023.D

Injection Date: 20-Dec-2012 07:07:19

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 7620

Lims Sample ID: 23

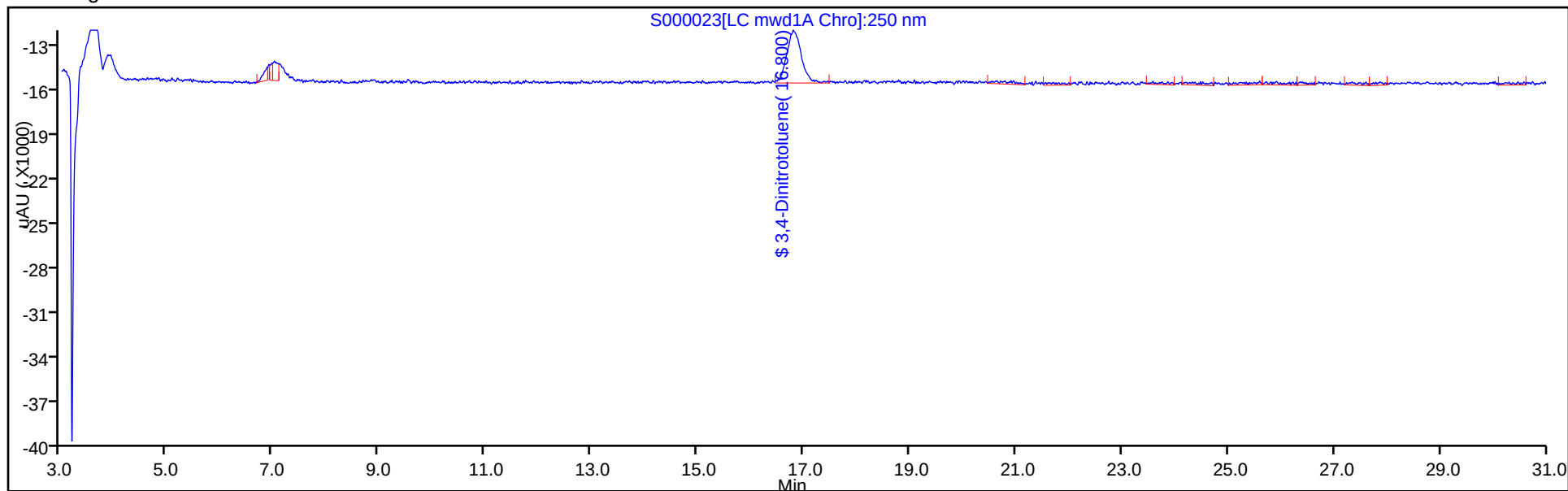
Operator ID: RN

Injection Vol: 500.0 ul

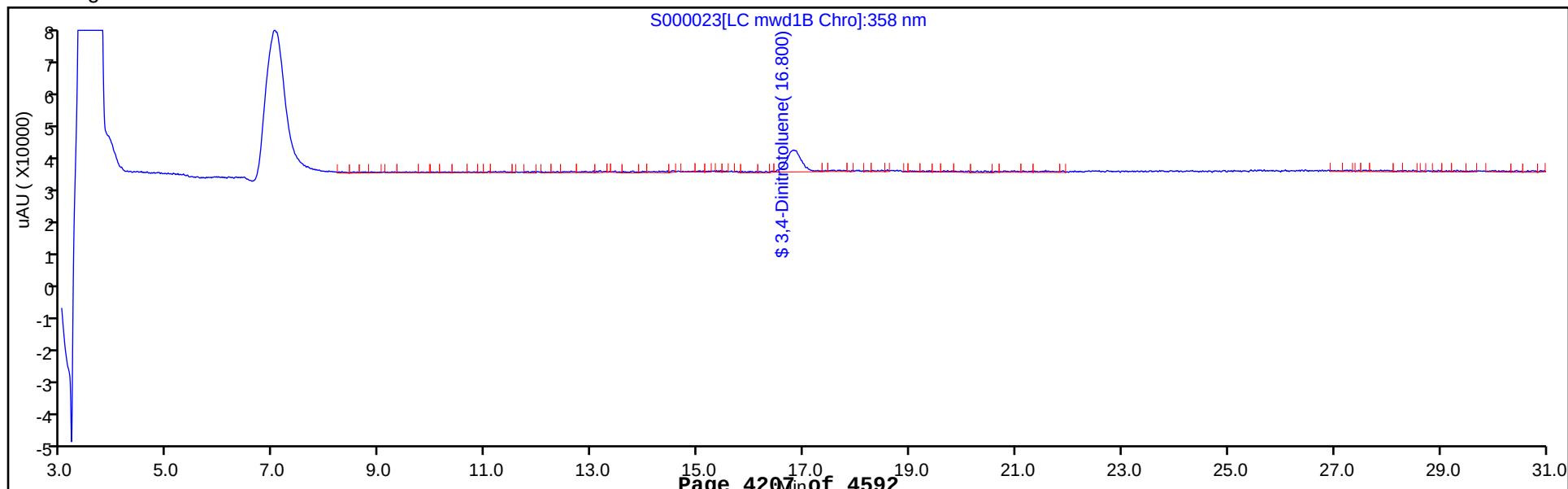
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-18703-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 320-7404/2-A
 Matrix: Water Lab File ID: S000069.D
 Analysis Method: 8330B Date Collected: _____
 Extraction Method: 8330-Prep Date Extracted: 12/14/2012 11:07
 Sample wt/vol: 1000 (mL) Date Analyzed: 12/21/2012 14:02
 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.: 7620 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
99-65-0	1,3-Dinitrobenzene	1.08		0.10	0.10	0.050
121-14-2	2,4-Dinitrotoluene	1.02		0.10	0.10	0.050
606-20-2	2,6-Dinitrotoluene	1.01		0.10	0.10	0.050
35572-78-2	2-Amino-4,6-dinitrotoluene	1.04		0.20	0.10	0.015
88-72-2	2-Nitrotoluene	0.936		0.50	0.10	0.088
19406-51-0	4-Amino-2,6-dinitrotoluene	1.05		0.10	0.10	0.050
99-08-1	3-Nitrotoluene	0.981		0.50	0.10	0.057
2691-41-0	HMX	1.04		0.10	0.050	0.036
99-99-0	4-Nitrotoluene	0.982		0.50	0.10	0.088
98-95-3	Nitrobenzene	1.06		0.10	0.10	0.050
121-82-4	RDX	1.10		0.10	0.050	0.036
55-63-0	Nitroglycerin	4.97		0.65	0.50	0.33
479-45-8	Tetryl	0.969		0.10	0.10	0.050
99-35-4	1,3,5-Trinitrobenzene	1.05		0.10	0.050	0.031
78-11-5	PETN	4.53		0.65	0.50	0.30
118-96-7	2,4,6-Trinitrotoluene	0.993		0.10	0.10	0.050

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

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20121219-1888.b\S000069.D
 Lims ID: LCS 320-7404/2-A Client ID:
 Inject. Date: 21-Dec-2012 14:02:21 Dil. Factor: 1.0000
 Sample Type: LCS
 Sample ID: 320-0001888-069
 Misc. Info.:
 Operator: RN Instrument ID: LC10
 Injection Vol: 500.0 ul ALS Bottle#: 70
 Lims Batch ID: 7620 Lims Sample ID: 69
 Method: \\SACChrom\ChromData\LC10\20121219-1888.b\8330_LC10.m
 Last Update: 26-Dec-2012 08:43:55 Calib Date: 01-Sep-2012 16:31:00
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
 Process Host: XAWRK028

First Level Reviewer: noonanr

Date: 26-Dec-2012 08:43:55

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

11 HMX
 1 5.229 5.226 0.003 6539 52.0
 19 RDX
 1 7.536 7.523 0.013 4916 55.2
 27 1,3,5-Trinitrobenzene
 1 9.872 9.869 0.003 8555 52.6
 24 1,3-Dinitrobenzene
 1 12.502 12.506 -0.004 8724 54.0
 9 3,5-Dinitroaniline
 1 13.252 13.270 -0.018 5513 53.1
 20 Tetryl
 1 13.649 13.690 -0.041 4193 48.4
 5 Nitrobenzene
 1 14.252 14.256 -0.004 3920 53.2
 7 Nitroglycerin
 2 14.879 14.913 -0.034 16128 248.6
 25 2,4,6-Trinitrotoluene
 1 15.756 15.790 -0.034 4607 49.7
 26 4-Amino-2,6-dinitrotoluene
 1 16.279 16.343 -0.064 3979 52.5
 \$ 30 3,4-Dinitrotoluene
 1 16.739 16.796 -0.057 6801 120.8
 2 16.752 16.806 -0.054 12440 120.4
 6 2-Amino-4,6-dinitrotoluene
 1 17.269 17.306 -0.037 4337 51.9
 12 2,6-Dinitrotoluene
 1 18.866 18.930 -0.064 3016 50.6
 23 2,4-Dinitrotoluene
 1 19.516 19.570 -0.054 4893 51.0

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

16 o-Nitrotoluene

1 22.902 22.900 0.002 2085 46.8

15 p-Nitrotoluene

1 24.526 24.576 -0.050 2623 49.1

8 m-Nitrotoluene

1 26.419 26.463 -0.044 2645 49.0

21 PETN

2 28.809 28.843 -0.034 8319 226.5

Report Date: 26-Dec-2012 08:43:55

Chrom Revision: 2.1 24-Dec-2012 15:14:58

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121219-1888.b\S000069.D

Injection Date: 21-Dec-2012 14:02:21

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 7620

Lims Sample ID: 69

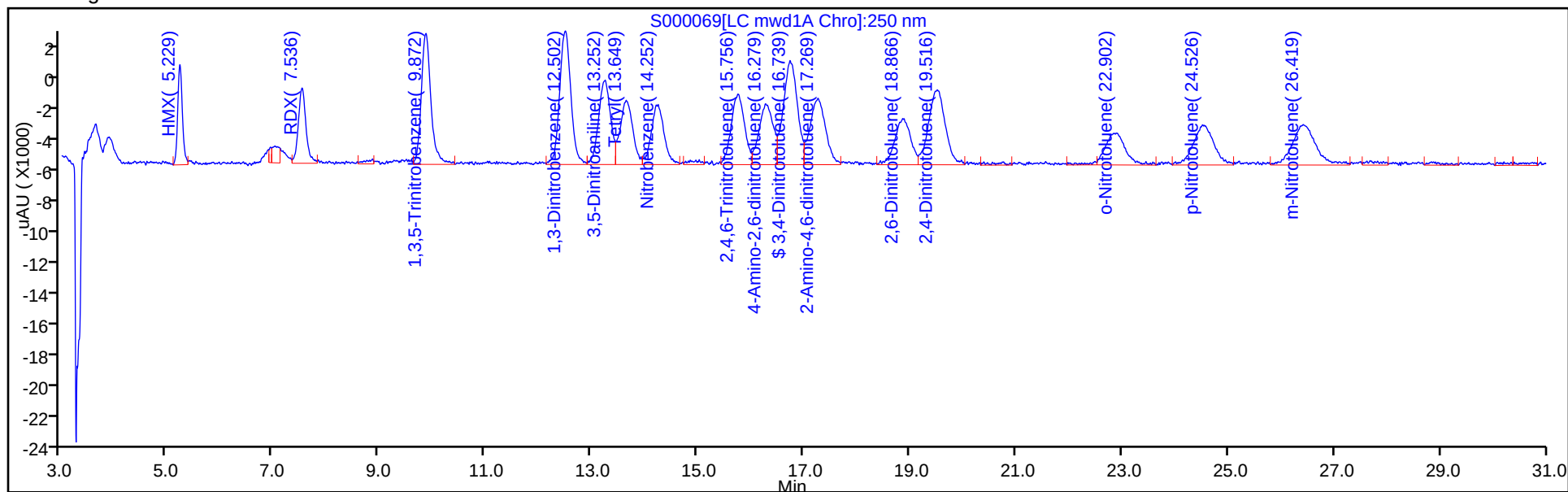
Operator ID: RN

Injection Vol: 500.0 ul

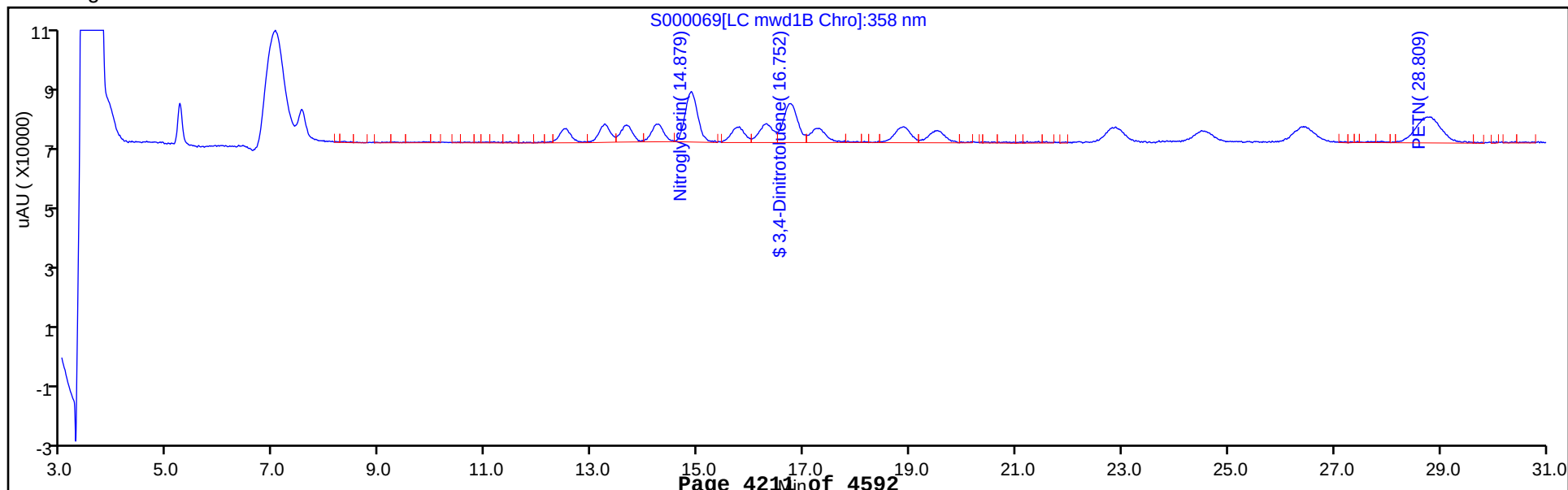
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-18703-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 320-7444/2-A
 Matrix: Solid Lab File ID: S000024.D
 Analysis Method: 8330B Date Collected: _____
 Extraction Method: 8330B Date Extracted: 12/17/2012 10:34
 Sample wt/vol: 10.00(g) Date Analyzed: 12/20/2012 07:47
 Con. Extract Vol.: 80(mL) Dilution Factor: 1
 Injection Volume: 500(uL) GC Column: Synergi C18 ID: 4.6(mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 7620 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
99-65-0	1,3-Dinitrobenzene	0.503		0.25	0.050	0.0042
121-14-2	2,4-Dinitrotoluene	0.497		0.25	0.050	0.0053
606-20-2	2,6-Dinitrotoluene	0.490		0.25	0.050	0.0073
35572-78-2	2-Amino-4,6-dinitrotoluene	0.502		0.25	0.050	0.013
88-72-2	2-Nitrotoluene	0.460		0.25	0.050	0.013
19406-51-0	4-Amino-2,6-dinitrotoluene	0.507		0.25	0.050	0.010
99-08-1	3-Nitrotoluene	0.476		0.25	0.050	0.016
2691-41-0	HMX	0.501		0.25	0.050	0.012
99-99-0	4-Nitrotoluene	0.481		0.25	0.050	0.018
98-95-3	Nitrobenzene	0.505		0.25	0.050	0.018
121-82-4	RDX	0.500		0.25	0.050	0.012
55-63-0	Nitroglycerin	0.956		0.50	0.25	0.015
479-45-8	Tetryl	0.470		0.25	0.050	0.010
99-35-4	1,3,5-Trinitrobenzene	0.501		0.25	0.050	0.010
78-11-5	PETN	0.908		0.50	0.25	0.025
118-96-7	2,4,6-Trinitrotoluene	0.470		0.25	0.050	0.019

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

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20121219-1888.b\S000024.D
 Lims ID: LCS 320-7444/2-A Client ID:
 Inject. Date: 20-Dec-2012 07:47:31 Dil. Factor: 1.0000
 Sample Type: LCS
 Sample ID: 320-0001888-024
 Misc. Info.:
 Operator: RN Instrument ID: LC10
 Injection Vol: 500.0 ul ALS Bottle#: 29
 Lims Batch ID: 7620 Lims Sample ID: 24
 Method: \\SACChrom\ChromData\LC10\20121219-1888.b\8330_LC10.m
 Last Update: 20-Dec-2012 08:42:19 Calib Date: 01-Sep-2012 16:31:00
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
 Process Host: XAWRK002

First Level Reviewer: noonanr

Date: 20-Dec-2012 08:42:19

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

11 HMX
 1 5.227 5.234 -0.007 7886 62.7
 19 RDX
 1 7.521 7.511 0.010 5563 62.5
 27 1,3,5-Trinitrobenzene
 1 9.874 9.868 0.006 10178 62.6
 24 1,3-Dinitrobenzene
 1 12.504 12.528 -0.024 10169 62.9
 9 3,5-Dinitroaniline
 1 13.251 13.211 0.040 6440 62.0
 20 Tetryl
 1 13.687 13.634 0.053 5084 58.7
 5 Nitrobenzene
 1 14.267 14.224 0.043 4656 63.1
 7 Nitroglycerin
 2 14.921 14.888 0.033 7751 119.5
 25 2,4,6-Trinitrotoluene
 1 15.787 15.691 0.096 5457 58.8
 26 4-Amino-2,6-dinitrotoluene
 1 16.331 16.291 0.040 4797 63.3
 \$ 30 3,4-Dinitrotoluene
 1 16.771 16.754 0.017 3431 60.9
 2 16.817 16.754 0.063 6366 61.6
 6 2-Amino-4,6-dinitrotoluene
 1 17.317 17.211 0.106 5249 62.8
 12 2,6-Dinitrotoluene
 1 18.921 18.911 0.010 3646 61.2
 23 2,4-Dinitrotoluene
 1 19.567 19.434 0.133 5964 62.1

Data File: \\SACChrom\ChromData\LC10\20121219-1888.b\S000024.D

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
16 o-Nitrotoluene						
1	22.937	22.781	0.156	2563	57.5	
15 p-Nitrotoluene						
1	24.634	24.521	0.113	3214	60.2	
8 m-Nitrotoluene						
1	26.484	26.381	0.103	3209	59.5	
21 PETN						
2	28.887	28.728	0.159	4169	113.5	

Report Date: 20-Dec-2012 08:42:20

Chrom Revision: 2.1 14-Dec-2012 09:16:34

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121219-1888.b\S000024.D

Injection Date: 20-Dec-2012 07:47:31

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 7620

Lims Sample ID: 24

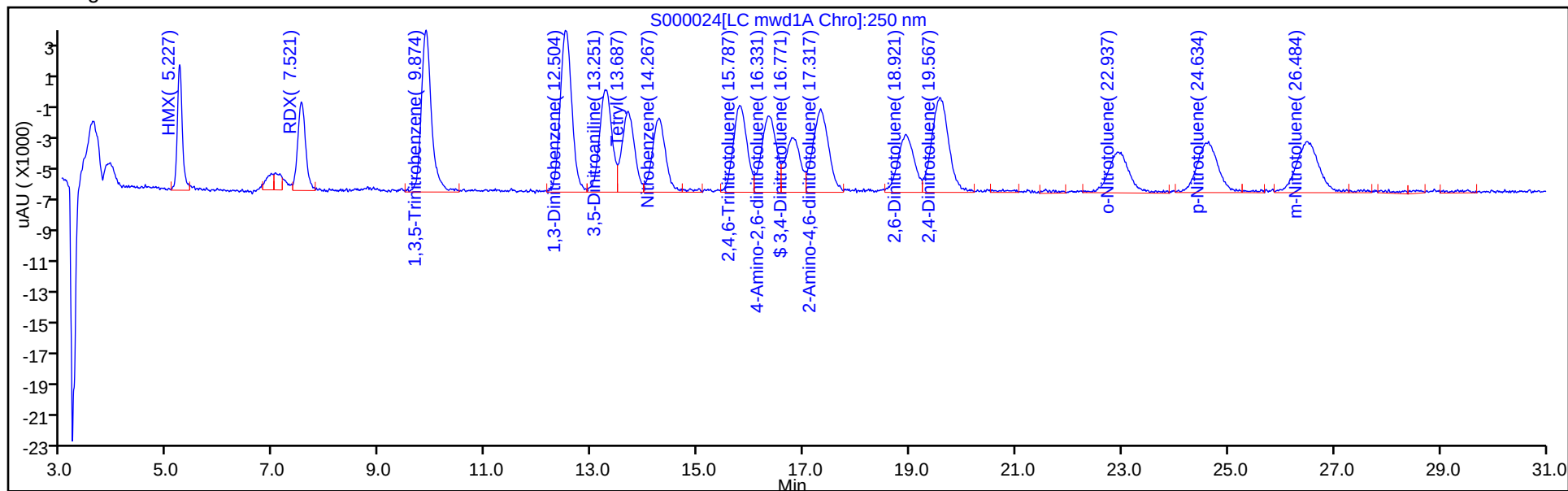
Operator ID: RN

Injection Vol: 500.0 ul

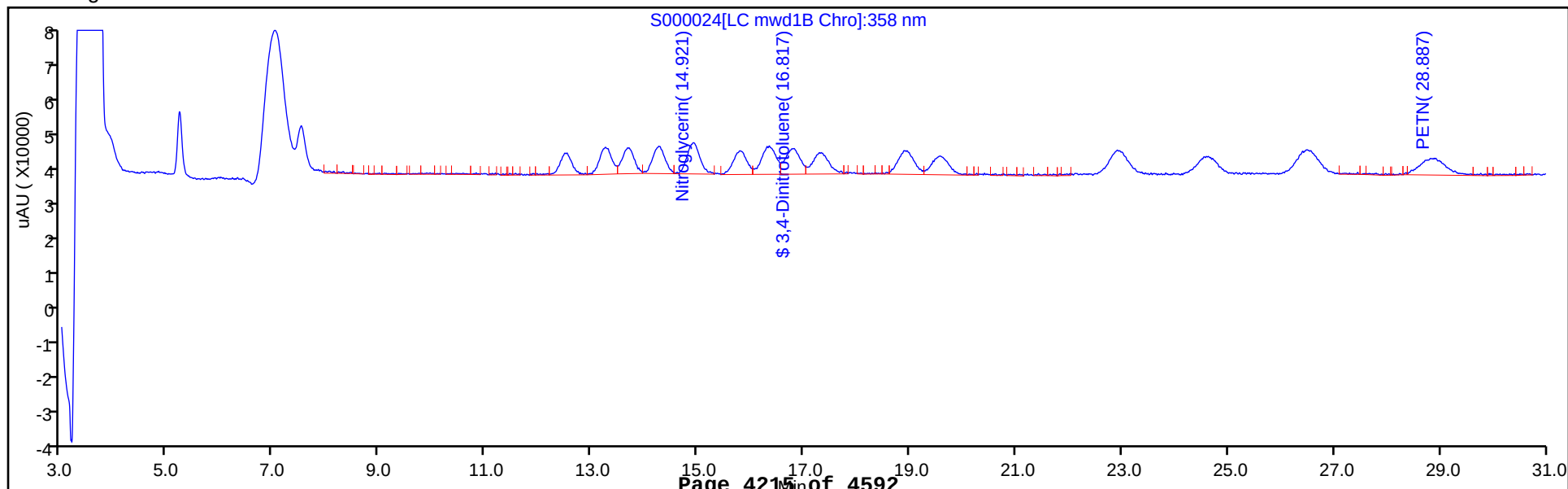
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica Sacramento Job No.: 240-18703-1

SDG No.: _____

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

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

HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica SacramentoJob No.: 240-18703-1

SDG No.: _____

Instrument ID: LC10Start Date: 12/19/2012 17:43Analysis Batch Number: 7620End Date: 12/22/2012 00:44

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 320-7620/3 CCVRT		12/19/2012 17:43	1		Synergi C18 4.6 (mm)
CCV 320-7620/14 CCVRT		12/20/2012 01:05	1	S000014.D	Synergi C18 4.6 (mm)
CCVL 320-7620/15		12/20/2012 01:45	1	S000015.D	Synergi C18 4.6 (mm)
MB 320-7444/1-A		12/20/2012 07:07	1	S000023.D	Synergi C18 4.6 (mm)
LCS 320-7444/2-A		12/20/2012 07:47	1	S000024.D	Synergi C18 4.6 (mm)
ZZZZZ		12/20/2012 08:27	1		Synergi C18 4.6 (mm)
CCV 320-7620/26 CCVRT		12/20/2012 09:07	1	S000026.D	Synergi C18 4.6 (mm)
ZZZZZ		12/20/2012 09:48	1		Synergi C18 4.6 (mm)
ZZZZZ		12/20/2012 10:28	1		Synergi C18 4.6 (mm)
ZZZZZ		12/20/2012 11:48	1		Synergi C18 4.6 (mm)
ZZZZZ		12/20/2012 12:29	1		Synergi C18 4.6 (mm)
ZZZZZ		12/20/2012 13:09	1		Synergi C18 4.6 (mm)
ZZZZZ		12/20/2012 13:49	1		Synergi C18 4.6 (mm)
ZZZZZ		12/20/2012 14:29	1		Synergi C18 4.6 (mm)
ZZZZZ		12/20/2012 15:09	1		Synergi C18 4.6 (mm)
ZZZZZ		12/20/2012 15:50	1		Synergi C18 4.6 (mm)
CCV 320-7620/37 CCVRT		12/20/2012 16:30	1	S000037.D	Synergi C18 4.6 (mm)
ZZZZZ		12/20/2012 17:10	1		Synergi C18 4.6 (mm)
ZZZZZ		12/20/2012 17:51	1		Synergi C18 4.6 (mm)
ZZZZZ		12/20/2012 18:31	1		Synergi C18 4.6 (mm)
ZZZZZ		12/20/2012 19:12	1		Synergi C18 4.6 (mm)
ZZZZZ		12/20/2012 19:52	1		Synergi C18 4.6 (mm)
ZZZZZ		12/20/2012 20:32	1		Synergi C18 4.6 (mm)
ZZZZZ		12/20/2012 21:13	1		Synergi C18 4.6 (mm)
240-18703-8	072SB-0082-0001-SO	12/20/2012 21:54	1	S000045.D	Synergi C18 4.6 (mm)
240-18703-18	072SB-0075-0001-SO	12/20/2012 22:34	1	S000046.D	Synergi C18 4.6 (mm)
CCV 320-7620/46 CCVRT		12/20/2012 23:14	1	S000047.D	Synergi C18 4.6 (mm)
CCVL 320-7620/47		12/20/2012 23:55	1	S000048.D	Synergi C18 4.6 (mm)
ZZZZZ		12/21/2012 00:35	1		Synergi C18 4.6 (mm)
ZZZZZ		12/21/2012 01:16	1		Synergi C18 4.6 (mm)
ZZZZZ		12/21/2012 01:56	1		Synergi C18 4.6 (mm)
ZZZZZ		12/21/2012 02:37	1		Synergi C18 4.6 (mm)
ZZZZZ		12/21/2012 03:17	1		Synergi C18 4.6 (mm)
ZZZZZ		12/21/2012 03:58	1		Synergi C18 4.6 (mm)
ZZZZZ		12/21/2012 04:38	1		Synergi C18 4.6 (mm)
ZZZZZ		12/21/2012 05:19	1		Synergi C18 4.6 (mm)
ZZZZZ		12/21/2012 05:59	1		Synergi C18 4.6 (mm)
ZZZZZ		12/21/2012 06:39	1		Synergi C18 4.6 (mm)
CCV 320-7620/66 CCVRT		12/21/2012 07:19	1		Synergi C18 4.6 (mm)
ZZZZZ		12/21/2012 08:00	1		Synergi C18 4.6 (mm)
ZZZZZ		12/21/2012 08:40	1		Synergi C18 4.6 (mm)
ZZZZZ		12/21/2012 09:20	1		Synergi C18 4.6 (mm)
ZZZZZ		12/21/2012 10:00	1		Synergi C18 4.6 (mm)

HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica Sacramento Job No.: 240-18703-1

SDG No.: _____

Instrument ID: LC10 Start Date: 12/19/2012 17:43Analysis Batch Number: 7620 End Date: 12/22/2012 00:44

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		12/21/2012 10:41	1		Synergi C18 4.6 (mm)
ZZZZZ		12/21/2012 11:21	1		Synergi C18 4.6 (mm)
ZZZZZ		12/21/2012 12:01	1		Synergi C18 4.6 (mm)
CCV 320-7620/67 CCVRT		12/21/2012 12:41	1	S000067.D	Synergi C18 4.6 (mm)
MB 320-7404/1-A		12/21/2012 13:22	1	S000068.D	Synergi C18 4.6 (mm)
LCS 320-7404/2-A		12/21/2012 14:02	1	S000069.D	Synergi C18 4.6 (mm)
240-18703-24	076-0140-0001-ER	12/21/2012 14:42	1	S000070.D	Synergi C18 4.6 (mm)
ZZZZZ		12/21/2012 15:22	1		Synergi C18 4.6 (mm)
ZZZZZ		12/21/2012 16:02	1		Synergi C18 4.6 (mm)
CCV 320-7620/73 CCVRT		12/21/2012 16:42	1	S000073.D	Synergi C18 4.6 (mm)
CCVL 320-7620/74		12/21/2012 17:23	1	S000074.D	Synergi C18 4.6 (mm)
CCV 320-7620/85 CCVRT		12/22/2012 00:44	1		Synergi C18 4.6 (mm)

HPLC/IC BATCH WORKSHEET

Lab Name: TestAmerica Sacramento Job No.: 240-18703-1

SDG No.: _____

Batch Number: 7404 Batch Start Date: 12/14/12 11:07 Batch Analyst: Arauz, HoracioBatch Method: 8330-Prep Batch End Date: 12/17/12 15:55

Lab Sample ID	Client Sample ID	Method Chain	Basis	GrossWeight	TareWeight	InitialAmount	FinalAmount	HP34DNTSU 00008	HP8330SP 00011
MB 320-7404/1		8330-Prep, 8330B				1000 mL	20 mL	50 uL	
LCS 320-7404/2		8330-Prep, 8330B				1000 mL	20 mL	50 uL	20 uL
240-18703-U-24	076-0140-0001-ER	8330-Prep, 8330B	T	1500.6 g	500.30 g	1000.3 mL	20 mL	50 uL	

Lab Sample ID	Client Sample ID	Method Chain	Basis	HPNGPETNSP 00001					
MB 320-7404/1		8330-Prep, 8330B							
LCS 320-7404/2		8330-Prep, 8330B		100 uL					
240-18703-U-24	076-0140-0001-ER	8330-Prep, 8330B	T						

Batch Notes	
0.1% HOAc/CAN Lot 3	HPHOAC/ACN_0001
Balance ID	QA-070
Person's name who did the concentration	HA
Date of Clean up	12-17-12
Date Dilution Performed	12-17-12
Analytst performing Dilution	HA
Filter Lot #	R2DA02309
Date of Final Volume	12-17-12
Millipore Water Dispense Date	12-12-12
Prep Solvent Volume Used	5 mL
Person's name who witnessed reagent drop	TP
Solvent	0.1% HOAC/ACN
SPE Cartridge Lot #	WATER 003732270A

Basis	Basis Description
T	Total/NA

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

HPLC/IC BATCH WORKSHEET

Lab Name: TestAmerica Sacramento Job No.: 240-18703-1

SDG No.: _____

Batch Number: 7444 Batch Start Date: 12/17/12 10:34 Batch Analyst: Arauz, HoracioBatch Method: 8330B Batch End Date: 12/19/12 08:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	HP34DNTSU 00008	HP8330SP 00011	HPNGPETNSP 00001	
MB 320-7444/1		8330B, 8330B		10.00 g	80 mL	100 uL			
LCS 320-7444/2		8330B, 8330B		10.00 g	80 mL	100 uL	100 uL	200 uL	
240-18703-I-8	072SB-0082-0001-SO	8330B, 8330B	T	10.03 g	80 mL	100 uL			
240-18703-L-18	072SB-0075-0001-SO	8330B, 8330B	T	10.02 g	80 mL	100 uL			

Batch Notes	
Balance ID	QA-070
Calcium Chloride Reagent ID	CACL2_00003
Person's name who did the concentration	NK
Date of Clean up	12/19/12
Analyst performed Clean Up	NK
Date Dilution Performed	12/19/12
Analyst performing Dilution	NK
Date Sample was Dried	12/14/12
Filter Lot #	R2DA02309
Filter Type	.45um MILLIPORE
Date Sample was Ground	12/17/12
Minumum Temperature	0
Prep Solvent Volume Used	20 mL
Person's name who witnessed reagent drop	TP
Blank Sand Lot #	FISHER 120571
Solvent Lot #	HPOAC/ACN_00003
Solvent Name	0.1% HOAC/ACN
Sonication Start Time	12/17/12 13:00
Sonication Stop Time	12/18/12 7:00
SOP Number	WS-LC-0009
Maximum Temperature	35

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

HPLC/IC BATCH WORKSHEET

Lab Name: TestAmerica Sacramento Job No.: 240-18703-1

SDG No.: _____

Batch Number: 7444 Batch Start Date: 12/17/12 10:34 Batch Analyst: Arauz, HoracioBatch Method: 8330B Batch End Date: 12/19/12 08:00

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: 240-18703-1
SDG No.: _____
Project: RVAAP - ECC

Client Sample ID	Lab Sample ID
072SB-0092-0001-SO	240-18703-1
072SB-0082-0001-SO	240-18703-8
072SB-0083-0001-SO	240-18703-9
072SB-0084-0001-SO	240-18703-10
072SB-0085-0001-SO	240-18703-11
072SB-0086-0001-SO	240-18703-12
072SB-0087-0001-SO	240-18703-13
072SB-0088-0001-SO	240-18703-14
072SB-0089-0001-SO	240-18703-15
072SB-0090-0001-SO	240-18703-16
072SB-0091-0001-SO	240-18703-17
072SB-0075-0001-SO	240-18703-18
072SB-0076-0001-SO	240-18703-19
072SB-0077-0001-SO	240-18703-20
072SB-0079-0001-SO	240-18703-21
072SB-0080-0001-SO	240-18703-22
072SB-0081-0001-SO	240-18703-23
076-0140-0001-ER	240-18703-24

Comments:

COVER PAGE
METALS

Lab Name: TestAmerica Pittsburgh Job Number: 240-18703-1
SDG No.: _____
Project: RVAAP - ECC

Client Sample ID	Lab Sample ID
072SB-0092-0001-SO	240-18703-1
072SB-0082-0001-SO	240-18703-8
072SB-0083-0001-SO	240-18703-9
072SB-0084-0001-SO	240-18703-10
072SB-0085-0001-SO	240-18703-11
072SB-0086-0001-SO	240-18703-12
072SB-0087-0001-SO	240-18703-13
072SB-0088-0001-SO	240-18703-14
072SB-0089-0001-SO	240-18703-15
072SB-0090-0001-SO	240-18703-16
072SB-0091-0001-SO	240-18703-17
072SB-0075-0001-SO	240-18703-18
072SB-0076-0001-SO	240-18703-19
072SB-0077-0001-SO	240-18703-20
072SB-0079-0001-SO	240-18703-21
072SB-0080-0001-SO	240-18703-22
072SB-0081-0001-SO	240-18703-23
076-0140-0001-ER	240-18703-24

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 072SB-0092-0001-SO Lab Sample ID: 240-18703-1
Lab Name: TestAmerica Canton Job No.: 240-18703-1
SDG ID.:
Matrix: Solid Date Sampled: 12/10/2012 12:37
Reporting Basis: DRY Date Received: 12/11/2012 18:02
% Solids: 87.2

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Mercury	0.042	0.13	0.042	0.018	mg/Kg	U		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 072SB-0082-0001-SO Lab Sample ID: 240-18703-8
Lab Name: TestAmerica Canton Job No.: 240-18703-1
SDG ID.:
Matrix: Solid Date Sampled: 12/10/2012 10:45
Reporting Basis: DRY Date Received: 12/11/2012 18:02
% Solids: 84.5

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Mercury	0.042	0.13	0.042	0.018	mg/Kg	U		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 072SB-0083-0001-SO Lab Sample ID: 240-18703-9

Lab Name: TestAmerica Canton Job No.: 240-18703-1

SDG ID.: _____

Matrix: Solid Date Sampled: 12/10/2012 11:15

Reporting Basis: DRY Date Received: 12/11/2012 18:02

% Solids: 85.5

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Mercury	0.037	0.11	0.037	0.016	mg/Kg	U		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 072SB-0084-0001-SO Lab Sample ID: 240-18703-10
Lab Name: TestAmerica Canton Job No.: 240-18703-1
SDG ID.:
Matrix: Solid Date Sampled: 12/10/2012 11:30
Reporting Basis: DRY Date Received: 12/11/2012 18:02
% Solids: 86.1

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Mercury	0.043	0.13	0.043	0.018	mg/Kg	U		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 072SB-0085-0001-SO Lab Sample ID: 240-18703-11
Lab Name: TestAmerica Canton Job No.: 240-18703-1
SDG ID.:
Matrix: Solid Date Sampled: 12/10/2012 12:05
Reporting Basis: DRY Date Received: 12/11/2012 18:02
% Solids: 84.5

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Mercury	0.044	0.13	0.044	0.019	mg/Kg	U		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID:	072SB-0086-0001-SO	Lab Sample ID:	240-18703-12
Lab Name:	TestAmerica Canton	Job No.:	240-18703-1
SDG ID.:			
Matrix:	Solid	Date Sampled:	12/10/2012 12:05
Reporting Basis:	DRY	Date Received:	12/11/2012 18:02
% Solids:	87.5		

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Mercury	0.040	0.12	0.040	0.017	mg/Kg	U		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 072SB-0087-0001-SO Lab Sample ID: 240-18703-13
Lab Name: TestAmerica Canton Job No.: 240-18703-1
SDG ID.:
Matrix: Solid Date Sampled: 12/10/2012 09:10
Reporting Basis: DRY Date Received: 12/11/2012 18:02
% Solids: 94.2

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Mercury	0.034	0.10	0.034	0.014	mg/Kg	U		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 072SB-0088-0001-SO Lab Sample ID: 240-18703-14
Lab Name: TestAmerica Canton Job No.: 240-18703-1
SDG ID.:
Matrix: Solid Date Sampled: 12/10/2012 09:30
Reporting Basis: DRY Date Received: 12/11/2012 18:02
% Solids: 91.0

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

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 072SB-0089-0001-SO Lab Sample ID: 240-18703-15

Lab Name: TestAmerica Canton Job No.: 240-18703-1

SDG ID.: _____

Matrix: Solid Date Sampled: 12/10/2012 09:40

Reporting Basis: DRY Date Received: 12/11/2012 18:02

% Solids: 90.0

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Mercury	0.014	0.10	0.034	0.014	mg/Kg	J		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 072SB-0090-0001-SO Lab Sample ID: 240-18703-16

Lab Name: TestAmerica Canton Job No.: 240-18703-1

SDG ID.: _____

Matrix: Solid Date Sampled: 12/10/2012 09:55

Reporting Basis: DRY Date Received: 12/11/2012 18:02

% Solids: 90.1

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Mercury	0.035	0.11	0.035	0.015	mg/Kg	U		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 072SB-0091-0001-SO Lab Sample ID: 240-18703-17
Lab Name: TestAmerica Canton Job No.: 240-18703-1
SDG ID.:
Matrix: Solid Date Sampled: 12/10/2012 12:25
Reporting Basis: DRY Date Received: 12/11/2012 18:02
% Solids: 87.6

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Mercury	0.035	0.11	0.035	0.015	mg/Kg	U		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 072SB-0075-0001-SO Lab Sample ID: 240-18703-18
Lab Name: TestAmerica Canton Job No.: 240-18703-1
SDG ID.:
Matrix: Solid Date Sampled: 12/10/2012 13:45
Reporting Basis: DRY Date Received: 12/11/2012 18:02
% Solids: 87.2

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Mercury	0.037	0.11	0.037	0.016	mg/Kg	U		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 072SB-0076-0001-SO Lab Sample ID: 240-18703-19
Lab Name: TestAmerica Canton Job No.: 240-18703-1
SDG ID.:
Matrix: Solid Date Sampled: 12/10/2012 14:00
Reporting Basis: DRY Date Received: 12/11/2012 18:02
% Solids: 84.2

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Mercury	0.045	0.14	0.045	0.019	mg/Kg	U		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 072SB-0077-0001-SO Lab Sample ID: 240-18703-20
Lab Name: TestAmerica Canton Job No.: 240-18703-1
SDG ID.:
Matrix: Solid Date Sampled: 12/10/2012 14:00
Reporting Basis: DRY Date Received: 12/11/2012 18:02
% Solids: 82.7

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Mercury	0.044	0.13	0.044	0.019	mg/Kg	U		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 072SB-0079-0001-SO Lab Sample ID: 240-18703-21
Lab Name: TestAmerica Canton Job No.: 240-18703-1
SDG ID.:
Matrix: Solid Date Sampled: 12/10/2012 14:20
Reporting Basis: DRY Date Received: 12/11/2012 18:02
% Solids: 76.7

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Mercury	0.034	0.15	0.050	0.021	mg/Kg	J		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 072SB-0080-0001-SO Lab Sample ID: 240-18703-22
Lab Name: TestAmerica Canton Job No.: 240-18703-1
SDG ID.:
Matrix: Solid Date Sampled: 12/10/2012 15:16
Reporting Basis: DRY Date Received: 12/11/2012 18:02
% Solids: 85.0

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Mercury	0.042	0.13	0.042	0.018	mg/Kg	U		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 072SB-0081-0001-SO Lab Sample ID: 240-18703-23
Lab Name: TestAmerica Canton Job No.: 240-18703-1
SDG ID.:
Matrix: Solid Date Sampled: 12/10/2012 14:50
Reporting Basis: DRY Date Received: 12/11/2012 18:02
% Solids: 88.0

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Mercury	0.038	0.12	0.038	0.016	mg/Kg	U		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 076-0140-0001-ER Lab Sample ID: 240-18703-24
Lab Name: TestAmerica Canton Job No.: 240-18703-1
SDG ID.:
Matrix: Water Date Sampled: 12/09/2012 10:30
Reporting Basis: WET Date Received: 12/11/2012 18:02

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

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 072SB-0092-0001-SO

Lab Sample ID: 240-18703-1

Lab Name: TestAmerica Pittsburgh

Job No.: 240-18703-1

SDG ID.:

Matrix: Solid

Date Sampled: 12/10/2012 12:37

Reporting Basis: DRY

Date Received: 12/11/2012 18:02

% Solids: 87.2

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Silver	0.025	0.088	0.026	0.010	mg/Kg	J		1	6020/DOD
Aluminum	7700	2.6	0.53	0.25	mg/Kg			1	6020/DOD
Arsenic	15	0.088	0.044	0.016	mg/Kg			1	6020/DOD
Barium	25	0.88	0.018	0.0094	mg/Kg		Q	1	6020/DOD
Beryllium	0.38	0.088	0.0088	0.0066	mg/Kg			1	6020/DOD
Calcium	5100	8.8	2.2	1.2	mg/Kg			1	6020/DOD
Cadmium	0.14	0.088	0.026	0.012	mg/Kg			1	6020/DOD
Chromium	12	0.18	0.035	0.020	mg/Kg			1	6020/DOD
Cobalt	9.3	0.044	0.0088	0.0021	mg/Kg		Q	1	6020/DOD
Copper	16	0.18	0.053	0.029	mg/Kg		Q	1	6020/DOD
Iron	23000	4.4	1.8	0.95	mg/Kg			1	6020/DOD
Magnesium	4200	8.8	1.8	0.95	mg/Kg			1	6020/DOD
Manganese	260	0.44	0.026	0.014	mg/Kg			1	6020/DOD
Sodium	43	8.8	4.4	2.3	mg/Kg			1	6020/DOD
Nickel	21	0.088	0.026	0.010	mg/Kg			1	6020/DOD
Lead	9.3	0.088	0.026	0.014	mg/Kg			1	6020/DOD
Antimony	0.053	0.18	0.088	0.040	mg/Kg	J		1	6020/DOD
Thallium	0.11	0.088	0.018	0.0090	mg/Kg			1	6020/DOD
Vanadium	12	0.088	0.053	0.026	mg/Kg			1	6020/DOD
Zinc	48	0.44	0.18	0.057	mg/Kg		Q	1	6020/DOD
Potassium	1100	8.8	5.3	2.8	mg/Kg			1	6020/DOD
Selenium	0.32	0.44	0.088	0.045	mg/Kg	J	Q	1	6020/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 072SB-0082-0001-SO

Lab Sample ID: 240-18703-8

Lab Name: TestAmerica Pittsburgh

Job No.: 240-18703-1

SDG ID.:

Matrix: Solid

Date Sampled: 12/10/2012 10:45

Reporting Basis: DRY

Date Received: 12/11/2012 18:02

% Solids: 84.5

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Silver	0.031	0.11	0.034	0.013	mg/Kg	J		1	6020/DOD
Aluminum	10000	3.4	0.69	0.33	mg/Kg			1	6020/DOD
Arsenic	15	0.11	0.057	0.021	mg/Kg			1	6020/DOD
Barium	38	1.1	0.023	0.012	mg/Kg		Q	1	6020/DOD
Beryllium	0.47	0.11	0.011	0.0086	mg/Kg			1	6020/DOD
Calcium	7500	11	2.9	1.5	mg/Kg			1	6020/DOD
Cadmium	0.14	0.11	0.034	0.015	mg/Kg			1	6020/DOD
Chromium	14	0.23	0.046	0.026	mg/Kg			1	6020/DOD
Cobalt	12	0.057	0.011	0.0028	mg/Kg		Q	1	6020/DOD
Copper	55	0.23	0.069	0.038	mg/Kg		Q	1	6020/DOD
Iron	26000	5.7	2.3	1.2	mg/Kg			1	6020/DOD
Magnesium	5500	11	2.3	1.2	mg/Kg			1	6020/DOD
Manganese	440	0.57	0.034	0.018	mg/Kg			1	6020/DOD
Sodium	83	11	5.7	3.1	mg/Kg			1	6020/DOD
Nickel	27	0.11	0.034	0.013	mg/Kg			1	6020/DOD
Lead	13	0.11	0.034	0.018	mg/Kg			1	6020/DOD
Antimony	0.11	0.23	0.11	0.053	mg/Kg	U		1	6020/DOD
Thallium	0.15	0.11	0.023	0.012	mg/Kg			1	6020/DOD
Vanadium	16	0.11	0.069	0.034	mg/Kg			1	6020/DOD
Zinc	55	0.57	0.23	0.074	mg/Kg		Q	1	6020/DOD
Potassium	1600	11	6.9	3.6	mg/Kg			1	6020/DOD
Selenium	0.54	0.57	0.11	0.058	mg/Kg	J		1	6020/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 072SB-0083-0001-SO

Lab Sample ID: 240-18703-9

Lab Name: TestAmerica Pittsburgh

Job No.: 240-18703-1

SDG ID.:

Matrix: Solid

Date Sampled: 12/10/2012 11:15

Reporting Basis: DRY

Date Received: 12/11/2012 18:02

% Solids: 85.5

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Silver	0.031	0.10	0.031	0.012	mg/Kg	J		1	6020/DOD
Aluminum	9800	3.1	0.62	0.29	mg/Kg			1	6020/DOD
Arsenic	16	0.10	0.051	0.019	mg/Kg			1	6020/DOD
Barium	33	1.0	0.021	0.011	mg/Kg		Q	1	6020/DOD
Beryllium	0.46	0.10	0.010	0.0077	mg/Kg			1	6020/DOD
Calcium	11000	10	2.6	1.4	mg/Kg			1	6020/DOD
Cadmium	0.14	0.10	0.031	0.014	mg/Kg			1	6020/DOD
Chromium	14	0.21	0.041	0.023	mg/Kg			1	6020/DOD
Cobalt	11	0.051	0.010	0.0025	mg/Kg		Q	1	6020/DOD
Copper	20	0.21	0.062	0.034	mg/Kg		Q	1	6020/DOD
Iron	26000	5.1	2.1	1.1	mg/Kg			1	6020/DOD
Magnesium	8700	10	2.1	1.1	mg/Kg			1	6020/DOD
Manganese	400	0.51	0.031	0.016	mg/Kg			1	6020/DOD
Sodium	100	10	5.1	2.7	mg/Kg			1	6020/DOD
Nickel	25	0.10	0.031	0.012	mg/Kg			1	6020/DOD
Lead	12	0.10	0.031	0.016	mg/Kg			1	6020/DOD
Antimony	0.10	0.21	0.10	0.047	mg/Kg	U		1	6020/DOD
Thallium	0.15	0.10	0.021	0.010	mg/Kg			1	6020/DOD
Vanadium	15	0.10	0.062	0.031	mg/Kg			1	6020/DOD
Zinc	55	0.51	0.21	0.066	mg/Kg		Q	1	6020/DOD
Potassium	1600	10	6.2	3.2	mg/Kg			1	6020/DOD
Selenium	0.47	0.51	0.10	0.052	mg/Kg	J		1	6020/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 072SB-0084-0001-SO

Lab Sample ID: 240-18703-10

Lab Name: TestAmerica Pittsburgh

Job No.: 240-18703-1

SDG ID.:

Matrix: Solid

Date Sampled: 12/10/2012 11:30

Reporting Basis: DRY

Date Received: 12/11/2012 18:02

% Solids: 86.1

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Silver	0.031	0.11	0.033	0.013	mg/Kg	J		1	6020/DOD
Aluminum	10000	3.3	0.66	0.32	mg/Kg			1	6020/DOD
Arsenic	17	0.11	0.055	0.020	mg/Kg			1	6020/DOD
Barium	35	1.1	0.022	0.012	mg/Kg		Q	1	6020/DOD
Beryllium	0.48	0.11	0.011	0.0083	mg/Kg			1	6020/DOD
Calcium	7300	11	2.8	1.5	mg/Kg			1	6020/DOD
Cadmium	0.14	0.11	0.033	0.015	mg/Kg			1	6020/DOD
Chromium	14	0.22	0.044	0.025	mg/Kg			1	6020/DOD
Cobalt	12	0.055	0.011	0.0027	mg/Kg		Q	1	6020/DOD
Copper	20	0.22	0.066	0.036	mg/Kg		Q	1	6020/DOD
Iron	27000	5.5	2.2	1.2	mg/Kg			1	6020/DOD
Magnesium	5300	11	2.2	1.2	mg/Kg			1	6020/DOD
Manganese	420	0.55	0.033	0.018	mg/Kg			1	6020/DOD
Sodium	72	11	5.5	2.9	mg/Kg			1	6020/DOD
Nickel	26	0.11	0.033	0.012	mg/Kg			1	6020/DOD
Lead	12	0.11	0.033	0.017	mg/Kg			1	6020/DOD
Antimony	0.30	0.22	0.11	0.051	mg/Kg			1	6020/DOD
Thallium	0.17	0.11	0.022	0.011	mg/Kg			1	6020/DOD
Vanadium	15	0.11	0.066	0.033	mg/Kg			1	6020/DOD
Zinc	56	0.55	0.22	0.072	mg/Kg		Q	1	6020/DOD
Potassium	1700	11	6.6	3.5	mg/Kg			1	6020/DOD
Selenium	0.49	0.55	0.11	0.056	mg/Kg	J		1	6020/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 072SB-0085-0001-SO

Lab Sample ID: 240-18703-11

Lab Name: TestAmerica Pittsburgh

Job No.: 240-18703-1

SDG ID.:

Matrix: Solid

Date Sampled: 12/10/2012 12:05

Reporting Basis: DRY

Date Received: 12/11/2012 18:02

% Solids: 84.5

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Silver	0.030	0.11	0.034	0.013	mg/Kg	J		1	6020/DOD
Aluminum	9600	3.4	0.68	0.32	mg/Kg			1	6020/DOD
Arsenic	18	0.11	0.056	0.020	mg/Kg			1	6020/DOD
Barium	32	1.1	0.023	0.012	mg/Kg		Q	1	6020/DOD
Beryllium	0.44	0.11	0.011	0.0085	mg/Kg			1	6020/DOD
Calcium	8400	11	2.8	1.5	mg/Kg			1	6020/DOD
Cadmium	0.13	0.11	0.034	0.015	mg/Kg			1	6020/DOD
Chromium	13	0.23	0.045	0.025	mg/Kg			1	6020/DOD
Cobalt	11	0.056	0.011	0.0027	mg/Kg		Q	1	6020/DOD
Copper	19	0.23	0.068	0.037	mg/Kg		Q	1	6020/DOD
Iron	25000	5.6	2.3	1.2	mg/Kg			1	6020/DOD
Magnesium	5300	11	2.3	1.2	mg/Kg			1	6020/DOD
Manganese	380	0.56	0.034	0.018	mg/Kg			1	6020/DOD
Sodium	72	11	5.6	3.0	mg/Kg			1	6020/DOD
Nickel	23	0.11	0.034	0.013	mg/Kg			1	6020/DOD
Lead	13	0.11	0.034	0.017	mg/Kg			1	6020/DOD
Antimony	0.077	0.23	0.11	0.052	mg/Kg	J		1	6020/DOD
Thallium	0.14	0.11	0.023	0.011	mg/Kg			1	6020/DOD
Vanadium	15	0.11	0.068	0.034	mg/Kg			1	6020/DOD
Zinc	52	0.56	0.23	0.073	mg/Kg		Q	1	6020/DOD
Potassium	1600	11	6.8	3.6	mg/Kg			1	6020/DOD
Selenium	0.46	0.56	0.11	0.057	mg/Kg	J		1	6020/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 072SB-0086-0001-SO

Lab Sample ID: 240-18703-12

Lab Name: TestAmerica Pittsburgh

Job No.: 240-18703-1

SDG ID.:

Matrix: Solid

Date Sampled: 12/10/2012 12:05

Reporting Basis: DRY

Date Received: 12/11/2012 18:02

% Solids: 87.5

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Silver	0.022	0.10	0.030	0.012	mg/Kg	J		1	6020/DOD
Aluminum	8900	3.0	0.61	0.29	mg/Kg			1	6020/DOD
Arsenic	13	0.10	0.051	0.018	mg/Kg			1	6020/DOD
Barium	27	1.0	0.020	0.011	mg/Kg		Q	1	6020/DOD
Beryllium	0.35	0.10	0.010	0.0076	mg/Kg			1	6020/DOD
Calcium	5200	10	2.5	1.3	mg/Kg			1	6020/DOD
Cadmium	0.092	0.10	0.030	0.013	mg/Kg	J		1	6020/DOD
Chromium	11	0.20	0.040	0.023	mg/Kg			1	6020/DOD
Cobalt	8.5	0.051	0.010	0.0024	mg/Kg		Q	1	6020/DOD
Copper	15	0.20	0.061	0.033	mg/Kg		Q	1	6020/DOD
Iron	22000	5.1	2.0	1.1	mg/Kg			1	6020/DOD
Magnesium	4200	10	2.0	1.1	mg/Kg			1	6020/DOD
Manganese	260	0.51	0.030	0.016	mg/Kg			1	6020/DOD
Sodium	63	10	5.1	2.7	mg/Kg			1	6020/DOD
Nickel	19	0.10	0.030	0.011	mg/Kg			1	6020/DOD
Lead	9.3	0.10	0.030	0.016	mg/Kg			1	6020/DOD
Antimony	0.10	0.20	0.10	0.046	mg/Kg	U		1	6020/DOD
Thallium	0.10	0.10	0.020	0.010	mg/Kg			1	6020/DOD
Vanadium	13	0.10	0.061	0.030	mg/Kg			1	6020/DOD
Zinc	44	0.51	0.20	0.066	mg/Kg		Q	1	6020/DOD
Potassium	1400	10	6.1	3.2	mg/Kg			1	6020/DOD
Selenium	0.40	0.51	0.10	0.051	mg/Kg	J		1	6020/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 072SB-0087-0001-SO

Lab Sample ID: 240-18703-13

Lab Name: TestAmerica Pittsburgh

Job No.: 240-18703-1

SDG ID.:

Matrix: Solid

Date Sampled: 12/10/2012 09:10

Reporting Basis: DRY

Date Received: 12/11/2012 18:02

% Solids: 94.2

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Silver	0.022	0.091	0.027	0.010	mg/Kg	J		1	6020/DOD
Aluminum	7400	2.7	0.54	0.26	mg/Kg			1	6020/DOD
Arsenic	8.9	0.091	0.045	0.016	mg/Kg			1	6020/DOD
Barium	39	0.91	0.018	0.0097	mg/Kg		Q	1	6020/DOD
Beryllium	0.41	0.091	0.0091	0.0068	mg/Kg			1	6020/DOD
Calcium	1600	9.1	2.3	1.2	mg/Kg			1	6020/DOD
Cadmium	0.16	0.091	0.027	0.012	mg/Kg			1	6020/DOD
Chromium	10	0.18	0.036	0.020	mg/Kg			1	6020/DOD
Cobalt	7.7	0.045	0.0091	0.0022	mg/Kg		Q	1	6020/DOD
Copper	13	0.18	0.054	0.030	mg/Kg		Q	1	6020/DOD
Iron	19000	4.5	1.8	0.98	mg/Kg			1	6020/DOD
Magnesium	2000	9.1	1.8	0.98	mg/Kg			1	6020/DOD
Manganese	360	0.45	0.027	0.014	mg/Kg			1	6020/DOD
Sodium	47	9.1	4.5	2.4	mg/Kg			1	6020/DOD
Nickel	16	0.091	0.027	0.010	mg/Kg			1	6020/DOD
Lead	13	0.091	0.027	0.014	mg/Kg			1	6020/DOD
Antimony	0.091	0.18	0.091	0.042	mg/Kg	U		1	6020/DOD
Thallium	0.13	0.091	0.018	0.0093	mg/Kg			1	6020/DOD
Vanadium	13	0.091	0.054	0.027	mg/Kg			1	6020/DOD
Zinc	53	0.45	0.18	0.059	mg/Kg		Q	1	6020/DOD
Potassium	1000	9.1	5.4	2.9	mg/Kg			1	6020/DOD
Selenium	0.41	0.45	0.091	0.046	mg/Kg	J		1	6020/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 072SB-0088-0001-SO

Lab Sample ID: 240-18703-14

Lab Name: TestAmerica Pittsburgh

Job No.: 240-18703-1

SDG ID.:

Matrix: Solid

Date Sampled: 12/10/2012 09:30

Reporting Basis: DRY

Date Received: 12/11/2012 18:02

% Solids: 91.0

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Silver	0.018	0.10	0.030	0.011	mg/Kg	J		1	6020/DOD
Aluminum	5500	3.0	0.60	0.29	mg/Kg			1	6020/DOD
Arsenic	6.2	0.10	0.050	0.018	mg/Kg			1	6020/DOD
Barium	30	1.0	0.020	0.011	mg/Kg		Q	1	6020/DOD
Beryllium	0.36	0.10	0.010	0.0076	mg/Kg			1	6020/DOD
Calcium	1300	10	2.5	1.3	mg/Kg			1	6020/DOD
Cadmium	0.14	0.10	0.030	0.013	mg/Kg			1	6020/DOD
Chromium	7.2	0.20	0.040	0.022	mg/Kg			1	6020/DOD
Cobalt	5.4	0.050	0.010	0.0024	mg/Kg		Q	1	6020/DOD
Copper	9.1	0.20	0.060	0.033	mg/Kg		Q	1	6020/DOD
Iron	16000	5.0	2.0	1.1	mg/Kg			1	6020/DOD
Magnesium	1400	10	2.0	1.1	mg/Kg			1	6020/DOD
Manganese	230	0.50	0.030	0.016	mg/Kg			1	6020/DOD
Sodium	54	10	5.0	2.7	mg/Kg			1	6020/DOD
Nickel	12	0.10	0.030	0.011	mg/Kg			1	6020/DOD
Lead	12	0.10	0.030	0.016	mg/Kg			1	6020/DOD
Antimony	0.10	0.20	0.10	0.046	mg/Kg	U		1	6020/DOD
Thallium	0.11	0.10	0.020	0.010	mg/Kg			1	6020/DOD
Vanadium	9.6	0.10	0.060	0.030	mg/Kg			1	6020/DOD
Zinc	46	0.50	0.20	0.065	mg/Kg		Q	1	6020/DOD
Potassium	830	10	6.0	3.2	mg/Kg			1	6020/DOD
Selenium	0.32	0.50	0.10	0.051	mg/Kg	J		1	6020/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 072SB-0089-0001-SO

Lab Sample ID: 240-18703-15

Lab Name: TestAmerica Pittsburgh

Job No.: 240-18703-1

SDG ID.:

Matrix: Solid

Date Sampled: 12/10/2012 09:40

Reporting Basis: DRY

Date Received: 12/11/2012 18:02

% Solids: 90.0

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Silver	0.023	0.10	0.031	0.012	mg/Kg	J		1	6020/DOD
Aluminum	10000	3.1	0.62	0.29	mg/Kg			1	6020/DOD
Arsenic	13	0.10	0.051	0.019	mg/Kg			1	6020/DOD
Barium	47	1.0	0.021	0.011	mg/Kg		Q	1	6020/DOD
Beryllium	0.48	0.10	0.010	0.0077	mg/Kg			1	6020/DOD
Calcium	1400	10	2.6	1.4	mg/Kg			1	6020/DOD
Cadmium	0.18	0.10	0.031	0.014	mg/Kg			1	6020/DOD
Chromium	14	0.21	0.041	0.023	mg/Kg			1	6020/DOD
Cobalt	9.3	0.051	0.010	0.0025	mg/Kg		Q	1	6020/DOD
Copper	18	0.21	0.062	0.034	mg/Kg		Q	1	6020/DOD
Iron	23000	5.1	2.1	1.1	mg/Kg			1	6020/DOD
Magnesium	2900	10	2.1	1.1	mg/Kg			1	6020/DOD
Manganese	330	0.51	0.031	0.016	mg/Kg			1	6020/DOD
Sodium	60	10	5.1	2.7	mg/Kg			1	6020/DOD
Nickel	22	0.10	0.031	0.012	mg/Kg			1	6020/DOD
Lead	14	0.10	0.031	0.016	mg/Kg			1	6020/DOD
Antimony	0.10	0.21	0.10	0.047	mg/Kg	U		1	6020/DOD
Thallium	0.14	0.10	0.021	0.010	mg/Kg			1	6020/DOD
Vanadium	16	0.10	0.062	0.031	mg/Kg			1	6020/DOD
Zinc	55	0.51	0.21	0.067	mg/Kg		Q	1	6020/DOD
Potassium	1200	10	6.2	3.2	mg/Kg			1	6020/DOD
Selenium	0.46	0.51	0.10	0.052	mg/Kg	J		1	6020/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 072SB-0090-0001-SO

Lab Sample ID: 240-18703-16

Lab Name: TestAmerica Pittsburgh

Job No.: 240-18703-1

SDG ID.:

Matrix: Solid

Date Sampled: 12/10/2012 09:55

Reporting Basis: DRY

Date Received: 12/11/2012 18:02

% Solids: 90.1

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Silver	0.013	0.10	0.031	0.012	mg/Kg	J		1	6020/DOD
Aluminum	4100	3.1	0.62	0.30	mg/Kg			1	6020/DOD
Arsenic	4.2	0.10	0.052	0.019	mg/Kg			1	6020/DOD
Barium	23	1.0	0.021	0.011	mg/Kg		Q	1	6020/DOD
Beryllium	0.28	0.10	0.010	0.0078	mg/Kg			1	6020/DOD
Calcium	870	10	2.6	1.4	mg/Kg			1	6020/DOD
Cadmium	0.11	0.10	0.031	0.014	mg/Kg			1	6020/DOD
Chromium	5.8	0.21	0.041	0.023	mg/Kg			1	6020/DOD
Cobalt	4.5	0.052	0.010	0.0025	mg/Kg		Q	1	6020/DOD
Copper	7.0	0.21	0.062	0.034	mg/Kg		Q	1	6020/DOD
Iron	13000	5.2	2.1	1.1	mg/Kg			1	6020/DOD
Magnesium	1200	10	2.1	1.1	mg/Kg			1	6020/DOD
Manganese	220	0.52	0.031	0.016	mg/Kg			1	6020/DOD
Sodium	33	10	5.2	2.8	mg/Kg			1	6020/DOD
Nickel	9.2	0.10	0.031	0.012	mg/Kg			1	6020/DOD
Lead	9.6	0.10	0.031	0.016	mg/Kg			1	6020/DOD
Antimony	0.10	0.21	0.10	0.048	mg/Kg	U		1	6020/DOD
Thallium	0.075	0.10	0.021	0.011	mg/Kg	J		1	6020/DOD
Vanadium	7.8	0.10	0.062	0.031	mg/Kg			1	6020/DOD
Zinc	38	0.52	0.21	0.067	mg/Kg		Q	1	6020/DOD
Potassium	670	10	6.2	3.3	mg/Kg			1	6020/DOD
Selenium	0.28	0.52	0.10	0.053	mg/Kg	J		1	6020/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 072SB-0091-0001-SO

Lab Sample ID: 240-18703-17

Lab Name: TestAmerica Pittsburgh

Job No.: 240-18703-1

SDG ID.:

Matrix: Solid

Date Sampled: 12/10/2012 12:25

Reporting Basis: DRY

Date Received: 12/11/2012 18:02

% Solids: 87.6

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Silver	0.025	0.11	0.033	0.013	mg/Kg	J		1	6020/DOD
Aluminum	10000	3.3	0.66	0.32	mg/Kg			1	6020/DOD
Arsenic	16	0.11	0.055	0.020	mg/Kg			1	6020/DOD
Barium	31	1.1	0.022	0.012	mg/Kg		Q	1	6020/DOD
Beryllium	0.46	0.11	0.011	0.0083	mg/Kg			1	6020/DOD
Calcium	5700	11	2.8	1.5	mg/Kg			1	6020/DOD
Cadmium	0.15	0.11	0.033	0.015	mg/Kg			1	6020/DOD
Chromium	14	0.22	0.044	0.025	mg/Kg			1	6020/DOD
Cobalt	11	0.055	0.011	0.0027	mg/Kg		Q	1	6020/DOD
Copper	20	0.22	0.066	0.037	mg/Kg		Q	1	6020/DOD
Iron	26000	5.5	2.2	1.2	mg/Kg			1	6020/DOD
Magnesium	5400	11	2.2	1.2	mg/Kg			1	6020/DOD
Manganese	380	0.55	0.033	0.018	mg/Kg			1	6020/DOD
Sodium	72	11	5.5	2.9	mg/Kg			1	6020/DOD
Nickel	24	0.11	0.033	0.013	mg/Kg			1	6020/DOD
Lead	12	0.11	0.033	0.017	mg/Kg			1	6020/DOD
Antimony	0.11	0.22	0.11	0.051	mg/Kg	U		1	6020/DOD
Thallium	0.14	0.11	0.022	0.011	mg/Kg			1	6020/DOD
Vanadium	15	0.11	0.066	0.033	mg/Kg			1	6020/DOD
Zinc	55	0.55	0.22	0.072	mg/Kg		Q	1	6020/DOD
Potassium	1700	11	6.6	3.5	mg/Kg			1	6020/DOD
Selenium	0.49	0.55	0.11	0.056	mg/Kg	J		1	6020/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 072SB-0075-0001-SO

Lab Sample ID: 240-18703-18

Lab Name: TestAmerica Pittsburgh

Job No.: 240-18703-1

SDG ID.:

Matrix: Solid

Date Sampled: 12/10/2012 13:45

Reporting Basis: DRY

Date Received: 12/11/2012 18:02

% Solids: 87.2

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Silver	0.044	0.11	0.032	0.012	mg/Kg	J		1	6020/DOD
Aluminum	14000	3.2	0.64	0.31	mg/Kg			1	6020/DOD
Arsenic	12	0.11	0.054	0.019	mg/Kg			1	6020/DOD
Barium	53	1.1	0.021	0.011	mg/Kg		Q	1	6020/DOD
Beryllium	0.63	0.11	0.011	0.0080	mg/Kg			1	6020/DOD
Calcium	2000	11	2.7	1.4	mg/Kg			1	6020/DOD
Cadmium	0.16	0.11	0.032	0.014	mg/Kg			1	6020/DOD
Chromium	19	0.21	0.043	0.024	mg/Kg			1	6020/DOD
Cobalt	11	0.054	0.011	0.0026	mg/Kg		Q	1	6020/DOD
Copper	19	0.21	0.064	0.035	mg/Kg		Q	1	6020/DOD
Iron	28000	5.4	2.1	1.2	mg/Kg			1	6020/DOD
Magnesium	4800	11	2.1	1.2	mg/Kg			1	6020/DOD
Manganese	180	0.54	0.032	0.017	mg/Kg			1	6020/DOD
Sodium	77	11	5.4	2.8	mg/Kg			1	6020/DOD
Nickel	28	0.11	0.032	0.012	mg/Kg			1	6020/DOD
Lead	12	0.11	0.032	0.017	mg/Kg			1	6020/DOD
Antimony	0.11	0.21	0.11	0.049	mg/Kg	U		1	6020/DOD
Thallium	0.17	0.11	0.021	0.011	mg/Kg			1	6020/DOD
Vanadium	19	0.11	0.064	0.032	mg/Kg			1	6020/DOD
Zinc	66	0.54	0.21	0.069	mg/Kg		Q	1	6020/DOD
Potassium	2100	11	6.4	3.4	mg/Kg			1	6020/DOD
Selenium	0.50	0.54	0.11	0.055	mg/Kg	J		1	6020/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 072SB-0076-0001-SO

Lab Sample ID: 240-18703-19

Lab Name: TestAmerica Pittsburgh

Job No.: 240-18703-1

SDG ID.:

Matrix: Solid

Date Sampled: 12/10/2012 14:00

Reporting Basis: DRY

Date Received: 12/11/2012 18:02

% Solids: 84.2

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Silver	0.037	0.11	0.033	0.013	mg/Kg	J		1	6020/DOD
Aluminum	12000	3.3	0.66	0.31	mg/Kg			1	6020/DOD
Arsenic	14	0.11	0.055	0.020	mg/Kg			1	6020/DOD
Barium	56	1.1	0.022	0.012	mg/Kg		Q	1	6020/DOD
Beryllium	0.55	0.11	0.011	0.0082	mg/Kg			1	6020/DOD
Calcium	1300	11	2.7	1.5	mg/Kg			1	6020/DOD
Cadmium	0.18	0.11	0.033	0.015	mg/Kg			1	6020/DOD
Chromium	14	0.22	0.044	0.025	mg/Kg			1	6020/DOD
Cobalt	9.2	0.055	0.011	0.0026	mg/Kg		Q	1	6020/DOD
Copper	14	0.22	0.066	0.036	mg/Kg		Q	1	6020/DOD
Iron	24000	5.5	2.2	1.2	mg/Kg			1	6020/DOD
Magnesium	2600	11	2.2	1.2	mg/Kg			1	6020/DOD
Manganese	330	0.55	0.033	0.017	mg/Kg			1	6020/DOD
Sodium	45	11	5.5	2.9	mg/Kg			1	6020/DOD
Nickel	19	0.11	0.033	0.012	mg/Kg			1	6020/DOD
Lead	20	0.11	0.033	0.017	mg/Kg			1	6020/DOD
Antimony	0.11	0.22	0.11	0.050	mg/Kg	U		1	6020/DOD
Thallium	0.15	0.11	0.022	0.011	mg/Kg			1	6020/DOD
Vanadium	19	0.11	0.066	0.033	mg/Kg			1	6020/DOD
Zinc	52	0.55	0.22	0.071	mg/Kg		Q	1	6020/DOD
Potassium	1200	11	6.6	3.5	mg/Kg			1	6020/DOD
Selenium	0.56	0.55	0.11	0.056	mg/Kg			1	6020/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 072SB-0077-0001-SO

Lab Sample ID: 240-18703-20

Lab Name: TestAmerica Pittsburgh

Job No.: 240-18703-1

SDG ID.:

Matrix: Solid

Date Sampled: 12/10/2012 14:00

Reporting Basis: DRY

Date Received: 12/11/2012 18:02

% Solids: 82.7

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Silver	0.045	0.11	0.033	0.013	mg/Kg	J		1	6020/DOD
Aluminum	11000	3.3	0.67	0.32	mg/Kg			1	6020/DOD
Arsenic	15	0.11	0.055	0.020	mg/Kg			1	6020/DOD
Barium	95	1.1	0.022	0.012	mg/Kg		Q	1	6020/DOD
Beryllium	0.56	0.11	0.011	0.0083	mg/Kg			1	6020/DOD
Calcium	1400	11	2.8	1.5	mg/Kg			1	6020/DOD
Cadmium	0.22	0.11	0.033	0.015	mg/Kg			1	6020/DOD
Chromium	13	0.22	0.044	0.025	mg/Kg			1	6020/DOD
Cobalt	15	0.055	0.011	0.0027	mg/Kg		Q	1	6020/DOD
Copper	9.9	0.22	0.067	0.037	mg/Kg		Q	1	6020/DOD
Iron	24000	5.5	2.2	1.2	mg/Kg			1	6020/DOD
Magnesium	2000	11	2.2	1.2	mg/Kg			1	6020/DOD
Manganese	1700	0.55	0.033	0.018	mg/Kg			1	6020/DOD
Sodium	36	11	5.5	2.9	mg/Kg			1	6020/DOD
Nickel	15	0.11	0.033	0.013	mg/Kg			1	6020/DOD
Lead	19	0.11	0.033	0.017	mg/Kg			1	6020/DOD
Antimony	0.11	0.22	0.11	0.051	mg/Kg	U		1	6020/DOD
Thallium	0.16	0.11	0.022	0.011	mg/Kg			1	6020/DOD
Vanadium	21	0.11	0.067	0.033	mg/Kg			1	6020/DOD
Zinc	45	0.55	0.22	0.072	mg/Kg		Q	1	6020/DOD
Potassium	820	11	6.7	3.5	mg/Kg			1	6020/DOD
Selenium	0.70	0.55	0.11	0.056	mg/Kg			1	6020/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 072SB-0079-0001-SO

Lab Sample ID: 240-18703-21

Lab Name: TestAmerica Pittsburgh

Job No.: 240-18703-1

SDG ID.:

Matrix: Solid

Date Sampled: 12/10/2012 14:20

Reporting Basis: DRY

Date Received: 12/11/2012 18:02

% Solids: 76.7

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Silver	0.042	0.12	0.037	0.014	mg/Kg	J		1	6020/DOD
Aluminum	13000	3.7	0.74	0.35	mg/Kg			1	6020/DOD
Arsenic	14	0.12	0.062	0.022	mg/Kg			1	6020/DOD
Barium	69	1.2	0.025	0.013	mg/Kg		Q	1	6020/DOD
Beryllium	0.60	0.12	0.012	0.0092	mg/Kg			1	6020/DOD
Calcium	1600	12	3.1	1.6	mg/Kg			1	6020/DOD
Cadmium	0.20	0.12	0.037	0.016	mg/Kg			1	6020/DOD
Chromium	16	0.25	0.049	0.027	mg/Kg			1	6020/DOD
Cobalt	10	0.062	0.012	0.0030	mg/Kg		Q	1	6020/DOD
Copper	14	0.25	0.074	0.041	mg/Kg		Q	1	6020/DOD
Iron	30000	6.2	2.5	1.3	mg/Kg			1	6020/DOD
Magnesium	2700	12	2.5	1.3	mg/Kg			1	6020/DOD
Manganese	660	0.62	0.037	0.020	mg/Kg			1	6020/DOD
Sodium	44	12	6.2	3.3	mg/Kg			1	6020/DOD
Nickel	19	0.12	0.037	0.014	mg/Kg			1	6020/DOD
Lead	46	0.12	0.037	0.019	mg/Kg			1	6020/DOD
Antimony	0.12	0.25	0.12	0.056	mg/Kg	U		1	6020/DOD
Thallium	0.18	0.12	0.025	0.013	mg/Kg			1	6020/DOD
Vanadium	24	0.12	0.074	0.037	mg/Kg			1	6020/DOD
Zinc	57	0.62	0.25	0.080	mg/Kg		Q	1	6020/DOD
Potassium	1100	12	7.4	3.9	mg/Kg			1	6020/DOD
Selenium	0.76	0.62	0.12	0.063	mg/Kg			1	6020/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 072SB-0080-0001-SO

Lab Sample ID: 240-18703-22

Lab Name: TestAmerica Pittsburgh

Job No.: 240-18703-1

SDG ID.:

Matrix: Solid

Date Sampled: 12/10/2012 15:16

Reporting Basis: DRY

Date Received: 12/11/2012 18:02

% Solids: 85.0

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Silver	0.032	0.11	0.032	0.012	mg/Kg	J		1	6020/DOD
Aluminum	13000	3.2	0.64	0.30	mg/Kg			1	6020/DOD
Arsenic	17	0.11	0.053	0.019	mg/Kg			1	6020/DOD
Barium	47	1.1	0.021	0.011	mg/Kg		Q	1	6020/DOD
Beryllium	0.63	0.11	0.011	0.0080	mg/Kg			1	6020/DOD
Calcium	4600	11	2.7	1.4	mg/Kg			1	6020/DOD
Cadmium	0.25	0.11	0.032	0.014	mg/Kg			1	6020/DOD
Chromium	18	0.21	0.043	0.024	mg/Kg			1	6020/DOD
Cobalt	14	0.053	0.011	0.0026	mg/Kg		Q	1	6020/DOD
Copper	19	0.21	0.064	0.035	mg/Kg		Q	1	6020/DOD
Iron	31000	5.3	2.1	1.2	mg/Kg			1	6020/DOD
Magnesium	5800	11	2.1	1.2	mg/Kg			1	6020/DOD
Manganese	350	0.53	0.032	0.017	mg/Kg			1	6020/DOD
Sodium	74	11	5.3	2.8	mg/Kg			1	6020/DOD
Nickel	30	0.11	0.032	0.012	mg/Kg			1	6020/DOD
Lead	13	0.11	0.032	0.016	mg/Kg			1	6020/DOD
Antimony	0.11	0.21	0.11	0.049	mg/Kg	U		1	6020/DOD
Thallium	0.14	0.11	0.021	0.011	mg/Kg			1	6020/DOD
Vanadium	18	0.11	0.064	0.032	mg/Kg			1	6020/DOD
Zinc	130	0.53	0.21	0.069	mg/Kg		Q	1	6020/DOD
Potassium	2200	11	6.4	3.4	mg/Kg			1	6020/DOD
Selenium	0.46	0.53	0.11	0.054	mg/Kg	J		1	6020/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 072SB-0081-0001-SO

Lab Sample ID: 240-18703-23

Lab Name: TestAmerica Pittsburgh

Job No.: 240-18703-1

SDG ID.:

Matrix: Solid

Date Sampled: 12/10/2012 14:50

Reporting Basis: DRY

Date Received: 12/11/2012 18:02

% Solids: 88.0

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Silver	0.033	0.099	0.030	0.011	mg/Kg	J		1	6020/DOD
Aluminum	14000	3.0	0.59	0.28	mg/Kg			1	6020/DOD
Arsenic	17	0.099	0.049	0.018	mg/Kg			1	6020/DOD
Barium	44	0.99	0.020	0.011	mg/Kg		Q	1	6020/DOD
Beryllium	0.66	0.099	0.0099	0.0074	mg/Kg			1	6020/DOD
Calcium	4300	9.9	2.5	1.3	mg/Kg			1	6020/DOD
Cadmium	0.15	0.099	0.030	0.013	mg/Kg			1	6020/DOD
Chromium	18	0.20	0.040	0.022	mg/Kg			1	6020/DOD
Cobalt	12	0.049	0.0099	0.0024	mg/Kg		Q	1	6020/DOD
Copper	18	0.20	0.059	0.033	mg/Kg		Q	1	6020/DOD
Iron	30000	4.9	2.0	1.1	mg/Kg			1	6020/DOD
Magnesium	5800	9.9	2.0	1.1	mg/Kg			1	6020/DOD
Manganese	250	0.49	0.030	0.016	mg/Kg			1	6020/DOD
Sodium	80	9.9	4.9	2.6	mg/Kg			1	6020/DOD
Nickel	28	0.099	0.030	0.011	mg/Kg			1	6020/DOD
Lead	12	0.099	0.030	0.015	mg/Kg			1	6020/DOD
Antimony	0.099	0.20	0.099	0.045	mg/Kg	U		1	6020/DOD
Thallium	0.14	0.099	0.020	0.010	mg/Kg			1	6020/DOD
Vanadium	19	0.099	0.059	0.030	mg/Kg			1	6020/DOD
Zinc	60	0.49	0.20	0.064	mg/Kg		Q	1	6020/DOD
Potassium	2200	9.9	5.9	3.1	mg/Kg			1	6020/DOD
Selenium	0.51	0.49	0.099	0.050	mg/Kg			1	6020/DOD

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

Client Sample ID: 076-0140-0001-ER Lab Sample ID: 240-18703-24
 Lab Name: TestAmerica Pittsburgh Job No.: 240-18703-1
 SDG ID.:
 Matrix: Water Date Sampled: 12/09/2012 10:30
 Reporting Basis: WET Date Received: 12/11/2012 18:02

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	14	30	5.0	2.6	ug/L	J		1	6020/DOD
Arsenic	0.50	1.0	0.50	0.29	ug/L	U		1	6020/DOD
Barium	0.43	10	0.15	0.098	ug/L	J	Q	1	6020/DOD
Beryllium	0.090	1.0	0.090	0.045	ug/L	U		1	6020/DOD
Calcium	82	100	20	9.4	ug/L	J		1	6020/DOD
Cadmium	0.30	1.0	0.30	0.13	ug/L	U		1	6020/DOD
Chromium	0.76	2.0	1.0	0.54	ug/L	J		1	6020/DOD
Cobalt	0.036	0.50	0.050	0.026	ug/L	J	Q	1	6020/DOD
Copper	0.50	2.0	0.50	0.24	ug/L	U	Q	1	6020/DOD
Iron	20	50	20	11	ug/L	J		1	6020/DOD
Magnesium	22	100	22	11	ug/L	U		1	6020/DOD
Manganese	1.9	5.0	0.30	0.16	ug/L	J		1	6020/DOD
Sodium	150	100	55	27	ug/L			1	6020/DOD
Nickel	0.47	1.0	0.35	0.17	ug/L	J		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	0.25	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	1.1	5.0	2.0	0.96	ug/L	J	Q	1	6020/DOD
Potassium	60	100	60	32	ug/L	U		1	6020/DOD
Selenium	1.0	5.0	1.0	0.51	ug/L	U	Q	1	6020/DOD

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Canton Job No.: 240-18703-1

SDG No.: _____

ICV Source: MTHGICVW_00457 Concentration Units: ug/L

CCV Source: MTHGCALW_00295

Analyte	ICV 240-70435/7-A 12/29/2012 10:52				CCVL 240-70435/10-A 12/29/2012 11:56				CCV 240-70435/11-A 12/29/2012 12:14			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	2.33		2.50	93	4.96		5.00	99	4.94		5.00	99

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

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Canton Job No.: 240-18703-1

SDG No.: _____

ICV Source: MTHGICVW_00450 Concentration Units: ug/L

CCV Source: MTHGCALW_00292

Analyte	ICV 240-69001/7-A 12/18/2012 09:31				CCV 240-69001/10-A 12/18/2012 11:07				CCV 240-69001/10-A 12/18/2012 11:31			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	2.36		2.50	94	5.18		5.00	104	5.17		5.00	103

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

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Canton Job No.: 240-18703-1

SDG No.: _____

ICV Source: MTHGICVW_00450 Concentration Units: ug/L

CCV Source: MTHGCALW_00292

Analyte	CCV 240-69001/10-A 12/18/2012 11:55				CCV 240-69001/10-A 12/18/2012 12:19							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	5.21		5.00	104	5.19		5.00	104				

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

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Canton Job No.: 240-18703-1

SDG No.: _____

ICV Source: MTHGICVW_00458 Concentration Units: ug/L

CCV Source: MTHGCALW_00295

Analyte	ICV 240-70438/7-A 12/28/2012 16:05				CCV 240-70438/10-A 12/28/2012 16:30				CCV 240-70438/10-A 12/28/2012 16:54			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	2.48		2.50	99	5.04		5.00	101	5.05		5.00	101

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

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Canton Job No.: 240-18703-1

SDG No.: _____

ICV Source: MTHGICVW_00458 Concentration Units: ug/L

CCV Source: MTHGCALW_00295

Analyte	CCV 240-70438/10-A 12/28/2012 17:19				CCV 240-70438/10-A 12/28/2012 17:43							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	5.03		5.00	101	5.01		5.00	100				

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

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-18703-1

SDG No.: _____

ICV Source: MICPMSICV_00012 Concentration Units: ug/L

CCV Source: MCCV1X_00031

Analyte	ICV 180-59694/5 12/28/2012 22:54				CCV 180-59694/10 12/28/2012 23:21				CCV 180-59694/22 12/29/2012 00:19			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	391		400	98	495		500	99	500		500	100
Antimony	77.8		80.0	97	93.2		100	93	93.0		100	93
Arsenic	79.7		80.0	100	95.9		100	96	95.6		100	96
Barium	78.0		80.0	97	92.5		100	93	93.2		100	93
Beryllium	77.9		80.0	97	98.3		100	98	96.5		100	97
Cadmium	80.3		80.0	100	98.4		100	98	98.1		100	98
Calcium	38300		40000	96	47100		50000	94	47800		50000	96
Chromium	79.8		80.0	100	96.1		100	96	95.3		100	95
Cobalt	77.8		80.0	97	94.8		100	95	94.0		100	94
Copper	79.1		80.0	99	95.6		100	96	96.4		100	96
Iron	19600		20000	98	24200		25000	97	24400		25000	98
Lead	77.8		80.0	97	93.5		100	94	93.4		100	93
Magnesium	38200		40000	95	48600		50000	97	49000		50000	98
Manganese	394		400	99	484		500	97	462		500	92
Nickel	78.3		80.0	98	95.3		100	95	95.1		100	95
Potassium	39100		40000	98	46900		50000	94	48100		50000	96
Selenium	81.1		80.0	101	99.4		100	99	98.9		100	99
Silver	78.4		80.0	98	96.3		100	96	96.4		100	96
Sodium	38600		40000	96	47900		50000	96	47700		50000	95
Thallium	80.2		80.0	100	93.7		100	94	93.5		100	94
Vanadium	77.1		80.0	96	95.3		100	95	95.0		100	95
Zinc	84.9		80.0	106	101		100	101	99.5		100	99

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

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-18703-1

SDG No.: _____

ICV Source: MICPMSICV_00012 Concentration Units: ug/L

CCV Source: MCCV1X_00031

Analyte	CCV 180-59694/34 12/29/2012 01:17				CCV 180-59694/46 12/29/2012 02:19				CCV 180-59694/58 12/29/2012 03:18			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	493		500	99	495		500	99	483		500	97
Antimony	94.9		100	95	96.0		100	96	95.7		100	96
Arsenic	97.0		100	97	97.0		100	97	96.2		100	96
Barium	94.0		100	94	96.7		100	97	97.0		100	97
Beryllium	96.4		100	96	99.6		100	100	99.5		100	99
Cadmium	98.9		100	99	99.2		100	99	98.7		100	99
Calcium	48600		50000	97	49300		50000	99	49100		50000	98
Chromium	95.3		100	95	94.7		100	95	95.0		100	95
Cobalt	94.7		100	95	94.3		100	94	93.8		100	94
Copper	95.6		100	96	95.9		100	96	95.8		100	96
Iron	24900		25000	99	24900		25000	100	24800		25000	99
Lead	95.7		100	96	93.9		100	94	92.4		100	92
Magnesium	49000		50000	98	49600		50000	99	48200		50000	96
Manganese	477		500	95	476		500	95	453		500	91
Nickel	94.1		100	94	95.3		100	95	94.8		100	95
Potassium	48400		50000	97	48900		50000	98	49000		50000	98
Selenium	101		100	101	101		100	101	99.5		100	99
Silver	97.0		100	97	96.2		100	96	96.9		100	97
Sodium	47400		50000	95	48800		50000	98	48300		50000	97
Thallium	95.6		100	96	93.9		100	94	92.6		100	93
Vanadium	94.1		100	94	95.4		100	95	94.4		100	94
Zinc	99.3		100	99	99.0		100	99	97.8		100	98

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

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-18703-1

SDG No.: _____

ICV Source: MICPMSICV_00012 Concentration Units: ug/L

CCV Source: MCCV1X_00031

Analyte	CCV 180-59694/70 12/29/2012 04:35											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	501		500	100								
Antimony	96.5		100	97								
Arsenic	98.5		100	98								
Barium	97.6		100	98								
Beryllium	101		100	101								
Cadmium	99.9		100	100								
Calcium	51400		50000	103								
Chromium	97.4		100	97								
Cobalt	96.3		100	96								
Copper	98.1		100	98								
Iron	25800		25000	103								
Lead	93.2		100	93								
Magnesium	50700		50000	101								
Manganese	456		500	91								
Nickel	96.9		100	97								
Potassium	51200		50000	102								
Selenium	104		100	104								
Silver	97.4		100	97								
Sodium	50000		50000	100								
Thallium	93.5		100	93								
Vanadium	97.0		100	97								
Zinc	101		100	101								

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.: 240-18703-1

SDG No.: _____

ICV Source: MICPMSICV_00012 Concentration Units: ug/L

CCV Source: MCCV1X_00031

Analyte	ICV 180-59733/5 12/29/2012 16:50				CCV 180-59733/10 12/29/2012 17:18				CCV 180-59733/22 12/29/2012 18:15			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	407		400	102	540		500	108	539		500	108
Antimony	80.6		80.0	101	102		100	102	102		100	102
Arsenic	81.2		80.0	102	101		100	101	102		100	102
Barium	80.1		80.0	100	102		100	102	102		100	102
Beryllium	79.2		80.0	99	99.0		100	99	105		100	105
Cadmium	82.7		80.0	103	104		100	104	106		100	106
Calcium	38700		40000	97	49100		50000	98	49900		50000	100
Chromium	79.4		80.0	99	99.5		100	99	100		100	100
Cobalt	78.0		80.0	97	101		100	101	99.4		100	99
Copper	81.6		80.0	102	102		100	102	102		100	102
Iron	19200		20000	96	25000		25000	100	24900		25000	99
Lead	78.5		80.0	98	104		100	104	103		100	103
Magnesium	39800		40000	100	51500		50000	103	52700		50000	105
Manganese	382		400	95	478		500	96	477		500	95
Nickel	79.3		80.0	99	102		100	102	100		100	100
Potassium	39300		40000	98	49000		50000	98	50100		50000	100
Selenium	83.9		80.0	105	105		100	105	104		100	104
Silver	82.2		80.0	103	102		100	102	105		100	105
Sodium	39900		40000	100	50300		50000	101	52200		50000	104
Thallium	81.1		80.0	101	104		100	104	103		100	103
Vanadium	78.1		80.0	98	98.0		100	98	100		100	100
Zinc	84.9		80.0	106	105		100	105	103		100	103

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

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-18703-1

SDG No.: _____

ICV Source: MICPMSICV_00012 Concentration Units: ug/L

CCV Source: MCCV1X_00031

Analyte	CCV 180-59733/34 12/29/2012 19:13				CCV 180-59733/46 12/29/2012 20:15				CCV 180-59733/154 12/30/2012 05:13			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	530		500	106	536		500	107	543		500	109
Antimony	102		100	102	101		100	101	105		100	105
Arsenic	102		100	102	104		100	104	105		100	105
Barium	101		100	101	101		100	101	105		100	105
Beryllium	103		100	103	96.7		100	97	102		100	102
Cadmium	106		100	106	105		100	105	106		100	106
Calcium	50100		50000	100	51600		50000	103	52600		50000	105
Chromium	99.8		100	100	102		100	102	103		100	103
Cobalt	99.0		100	99	102		100	102	102		100	102
Copper	102		100	102	103		100	103	105		100	105
Iron	25100		25000	100	25700		25000	103	26400		25000	105
Lead	101		100	101	102		100	102	99.1		100	99
Magnesium	51300		50000	103	51700		50000	103	53900		50000	108
Manganese	492		500	98	451		500	90	473		500	95
Nickel	99.8		100	100	103		100	103	104		100	104
Potassium	50100		50000	100	51500		50000	103	53300		50000	107
Selenium	104		100	104	107		100	107	106		100	106
Silver	105		100	105	104		100	104	105		100	105
Sodium	50700		50000	101	50500		50000	101	52300		50000	105
Thallium	101		100	101	101		100	101	98.9		100	99
Vanadium	98.9		100	99	102		100	102	103		100	103
Zinc	104		100	104	105		100	105	108		100	108

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.: 240-18703-1

SDG No.: _____

ICV Source: MICPMSICV_00012 Concentration Units: ug/L

CCV Source: MCCV1X_00031

Analyte	CCV 180-59733/163 12/30/2012 06:09											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	536		500	107								
Antimony	105		100	105								
Arsenic	105		100	105								
Barium	105		100	105								
Beryllium	100		100	100								
Cadmium	106		100	106								
Calcium	52300		50000	105								
Chromium	103		100	103								
Cobalt	103		100	103								
Copper	105		100	105								
Iron	26400		25000	106								
Lead	98.7		100	99								
Magnesium	52300		50000	105								
Manganese	488		500	98								
Nickel	102		100	102								
Potassium	52400		50000	105								
Selenium	107		100	107								
Silver	105		100	105								
Sodium	49200		50000	98								
Thallium	98.4		100	98								
Vanadium	103		100	103								
Zinc	106		100	106								

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.: 240-18703-1
SDG No.: _____
Method: 7470A/DOD Instrument ID: H1
Lab Sample ID: CRA 240-70435/9-A Concentration Units: ug/L
CRQL Check Standard Source: MTHGCALW_00295

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Mercury	0.200	0.183	J	92	

Lab Sample ID: CRA 240-70435/9-A Concentration Units: ug/L
CRQL Check Standard Source: MTHGCALW_00295

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Mercury	0.200	0.217		108	

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

FORM IIB-IN

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Canton Job No.: 240-18703-1
 SDG No.: _____
 Method: 7471/DOD Instrument ID: H4
 Lab Sample ID: CRA 240-69001/9-A Concentration Units: ug/L
 CRQL Check Standard Source: MTHGCALW_00292

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Mercury	0.200	0.190	J	95	

Lab Sample ID: CRA 240-69001/9-A Concentration Units: ug/L
 CRQL Check Standard Source: MTHGCALW_00292

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Mercury	0.200	0.213		107	

Lab Sample ID: CRA 240-70438/9-A Concentration Units: ug/L
 CRQL Check Standard Source: MTHGCALW_00295

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Mercury	0.200	0.209		105	

Lab Sample ID: CRA 240-70438/9-A Concentration Units: ug/L
 CRQL Check Standard Source: MTHGCALW_00295

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Mercury	0.200	0.174	J	87	

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

FORM IIB-IN

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-18703-1
 SDG No.: _____
 Method: 6020/DOD Instrument ID: M
 Lab Sample ID: CRI 180-59694/7 Concentration Units: ug/L
 CRQL Check Standard Source: MCRIX_00024

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Silver	1.00	0.986	J	99	80-120
Aluminum	30.0	31.4		105	80-120
Arsenic	1.00	1.06		106	80-120
Barium	10.0	9.24	J	92	80-120
Beryllium	1.00	0.955	J	95	80-120
Calcium	100	102		102	80-120
Cadmium	1.00	1.05		105	80-120
Chromium	2.00	1.91	J	96	80-120
Cobalt	0.500	0.486	J	97	80-120
Copper	2.00	2.10		105	80-120
Iron	50.0	59.0		118	80-120
Magnesium	100	96.8	J	97	80-120
Manganese	5.00	5.12		102	80-120
Sodium	100	97.1	J	97	80-120
Nickel	1.00	0.968	J	97	80-120
Lead	1.00	0.923	J	92	80-120
Antimony	2.00	1.87	J	94	80-120
Thallium	1.00	0.865	J	87	80-120
Vanadium	1.00	0.898	J	90	80-120
Zinc	5.00	5.83		117	80-120
Potassium	100	92.3	J	92	80-120
Selenium	5.00	5.05		101	80-120

Lab Sample ID: CRI 180-59694/69 Concentration Units: ug/L
 CRQL Check Standard Source: MCRIX_00024

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Silver	1.00	0.937	J	94	80-120
Aluminum	30.0	32.3		108	80-120
Arsenic	1.00	0.883	J	88	80-120
Barium	10.0	9.28	J	93	80-120
Beryllium	1.00	0.909	J	91	80-120
Calcium	100	108		108	80-120
Cadmium	1.00	1.01		101	80-120
Chromium	2.00	1.97	J	99	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.: 240-18703-1
 SDG No.: _____
 Method: 6020/DOD Instrument ID: M
 Lab Sample ID: CRI 180-59694/69 Concentration Units: ug/L
 CRQL Check Standard Source: MCRIX_00024

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Cobalt	0.500	0.495	J	99	80-120
Copper	2.00	2.12		106	80-120
Iron	50.0	57.7		115	80-120
Magnesium	100	98.6	J	99	80-120
Manganese	5.00	5.42		108	80-120
Sodium	100	94.5	J	95	80-120
Nickel	1.00	0.970	J	97	80-120
Lead	1.00	0.873	J	87	80-120
Antimony	2.00	1.90	J	95	80-120
Thallium	1.00	0.825	J	82	80-120
Vanadium	1.00	0.942	J	94	80-120
Zinc	5.00	5.72		114	80-120
Potassium	100	99.2	J	99	80-120
Selenium	5.00	4.99	J	100	80-120

Lab Sample ID: CRI 180-59733/7 Concentration Units: ug/L
 CRQL Check Standard Source: MCRIX_00024

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Silver	1.00	1.03		103	80-120
Aluminum	30.0	31.4		105	80-120
Arsenic	1.00	1.01		101	80-120
Barium	10.0	9.77	J	98	80-120
Beryllium	1.00	0.971	J	97	80-120
Calcium	100	100		100	80-120
Cadmium	1.00	1.08		108	80-120
Chromium	2.00	2.01		100	80-120
Cobalt	0.500	0.513		103	80-120
Copper	2.00	2.21		111	80-120
Iron	50.0	53.4		107	80-120
Magnesium	100	103		103	80-120
Manganese	5.00	4.91	J	98	80-120
Sodium	100	111		111	80-120
Nickel	1.00	1.13		113	80-120
Lead	1.00	0.929	J	93	80-120

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

FORM IIB-IN

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-18703-1
 SDG No.: _____
 Method: 6020/DOD Instrument ID: M
 Lab Sample ID: CRI 180-59733/7 Concentration Units: ug/L
 CRQL Check Standard Source: MCRIX_00024

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Antimony	2.00	1.73	J	86	80-120
Thallium	1.00	0.917	J	92	80-120
Vanadium	1.00	0.973	J	97	80-120
Zinc	5.00	5.42		108	80-120
Potassium	100	100		100	80-120
Selenium	5.00	5.36		107	80-120

Lab Sample ID: CRI 180-59733/158 Concentration Units: ug/L
 CRQL Check Standard Source: MCRIX_00024

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Silver	1.00	0.995	J	100	80-120
Aluminum	30.0	32.6		109	80-120
Arsenic	1.00	1.01		101	80-120
Barium	10.0	9.94	J	99	80-120
Beryllium	1.00	0.959	J	96	80-120
Calcium	100	98.3	J	98	80-120
Cadmium	1.00	1.01		101	80-120
Chromium	2.00	2.08		104	80-120
Cobalt	0.500	0.511		102	80-120
Copper	2.00	2.17		108	80-120
Iron	50.0	52.6		105	80-120
Magnesium	100	105		105	80-120
Manganese	5.00	5.11		102	80-120
Sodium	100	107		107	80-120
Nickel	1.00	1.17		117	80-120
Lead	1.00	0.876	J	88	80-120
Antimony	2.00	1.70	J	85	80-120
Thallium	1.00	0.862	J	86	80-120
Vanadium	1.00	1.04		104	80-120
Zinc	5.00	5.51		110	80-120
Potassium	100	102		102	80-120
Selenium	5.00	5.38		108	80-120

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

FORM IIB-IN

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Canton Job No.: 240-18703-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	ICB 240-70435/8-A 12/29/2012 10:53		CCB 240-70435/12-A 12/29/2012 11:57		CCB 240-70435/12-A 12/29/2012 12:16			
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	0.20	U	0.20	U	0.20	U		

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Canton Job No.: 240-18703-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	ICB 240-69001/8-A 12/18/2012 09:34		CCB 240-69001/11-A 12/18/2012 11:09		CCB 240-69001/11-A 12/18/2012 11:33		CCB 240-69001/11-A 12/18/2012 11:57	
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	0.20	U	0.20	U	0.20	U	0.20	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Canton Job No.: 240-18703-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	CCB 240-69001/11-A 12/18/2012 12:21							
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	0.20	U						

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Canton Job No.: 240-18703-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	ICB 240-70438/8-A 12/28/2012 16:08		CCB 240-70438/11-A 12/28/2012 16:32		CCB 240-70438/11-A 12/28/2012 16:56		CCB 240-70438/11-A 12/28/2012 17:20	
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	0.20	U	0.20	U	0.20	U	0.20	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Canton Job No.: 240-18703-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	CCB 240-70438/11-A 12/28/2012 17:45							
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	0.20	U						

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-18703-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	ICB 180-59694/6 12/28/2012 23:01		CCB1 180-59694/11 12/28/2012 23:29		CCB2 180-59694/23 12/29/2012 00:27		CCB3 180-59694/35 12/29/2012 01:25	
		Found	C	Found	C	Found	C	Found	C
Aluminum	30	5.0	U	5.0	U	5.0	U	5.0	U
Antimony	2.0	0.90	U	0.90	U	0.90	U	0.90	U
Arsenic	1.0	0.50	U	0.50	U	0.50	U	0.50	U
Barium	10	0.15	U	0.15	U	0.15	U	0.15	U
Beryllium	1.0	0.090	U	0.090	U	0.090	U	0.090	U
Cadmium	1.0	0.30	U	0.30	U	0.30	U	0.30	U
Calcium	100	20	U	20	U	20	U	20	U
Chromium	2.0	1.0	U	1.0	U	1.0	U	1.0	U
Cobalt	0.50	0.050	U	0.050	U	0.050	U	0.050	U
Copper	2.0	0.50	U	0.50	U	0.50	U	0.50	U
Iron	50	20	U	11.5	J	11.5	J	12.3	J
Lead	1.0	0.30	U	0.30	U	0.30	U	0.30	U
Magnesium	100	22	U	22	U	22	U	22	U
Manganese	5.0	0.30	U	0.30	U	0.341	J	0.368	J
Nickel	1.0	0.35	U	0.35	U	0.35	U	0.35	U
Potassium	100	60	U	60	U	60	U	60	U
Selenium	5.0	1.0	U	1.0	U	1.0	U	1.0	U
Silver	1.0	0.20	U	0.20	U	0.20	U	0.20	U
Sodium	100	55	U	55	U	55	U	55	U
Thallium	1.0	0.20	U	0.20	U	0.20	U	0.20	U
Vanadium	1.0	0.60	U	0.60	U	0.60	U	0.60	U
Zinc	5.0	2.0	U	2.0	U	2.0	U	2.0	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-18703-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	CCB4 180-59694/47 12/29/2012 02:27		CCB5 180-59694/59 12/29/2012 03:26		CCB6 180-59694/71 12/29/2012 04:43			
		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	0.50	U	0.50	U		
Iron	50	20	U	11.0	J	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	0.195	J	0.30	U	0.251	J		
Nickel	1.0	0.35	U	0.35	U	0.35	U		
Potassium	100	60	U	60	U	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	55	U	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
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-18703-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	ICB 180-59733/6 12/29/2012 16:58		CCB1 180-59733/11 12/29/2012 17:25		CCB2 180-59733/23 12/29/2012 18:23		CCB3 180-59733/35 12/29/2012 19:21	
		Found	C	Found	C	Found	C	Found	C
Aluminum	30	5.0	U	5.0	U	5.0	U	5.0	U
Antimony	2.0	0.90	U	0.90	U	0.90	U	0.90	U
Arsenic	1.0	0.50	U	0.50	U	0.50	U	0.50	U
Barium	10	0.15	U	0.15	U	0.15	U	0.15	U
Beryllium	1.0	0.090	U	0.090	U	0.090	U	0.090	U
Cadmium	1.0	0.30	U	0.30	U	0.30	U	0.30	U
Calcium	100	20	U	20	U	20	U	20	U
Chromium	2.0	1.0	U	1.0	U	1.0	U	1.0	U
Cobalt	0.50	0.050	U	0.050	U	0.050	U	0.050	U
Copper	2.0	0.50	U	0.50	U	0.50	U	0.50	U
Iron	50	20	U	20	U	20	U	20	U
Lead	1.0	0.30	U	0.30	U	0.30	U	0.30	U
Magnesium	100	22	U	22	U	22	U	22	U
Manganese	5.0	0.30	U	0.30	U	0.30	U	0.30	U
Nickel	1.0	0.35	U	0.35	U	0.35	U	0.35	U
Potassium	100	60	U	60	U	60	U	60	U
Selenium	5.0	1.0	U	1.0	U	1.0	U	1.0	U
Silver	1.0	0.20	U	0.20	U	0.20	U	0.20	U
Sodium	100	55	U	55	U	55	U	55	U
Thallium	1.0	0.20	U	0.20	U	0.20	U	0.20	U
Vanadium	1.0	0.60	U	0.60	U	0.60	U	0.60	U
Zinc	5.0	2.0	U	2.0	U	2.0	U	2.0	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Pittsburgh

Job No.: 240-18703-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	CCB4 180-59733/47 12/29/2012 20:23		CCB13 180-59733/155 12/30/2012 05:20		CCB14 180-59733/164 12/30/2012 06:17			
		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	12.5	J	12.0	J		
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	0.50	U	0.50	U		
Iron	50	20	U	18.0	J	12.6	J		
Lead	1.0	0.30	U	0.30	U	0.30	U		
Magnesium	100	22	U	22	U	22	U		
Manganese	5.0	0.316	J	0.261	J	0.307	J		
Nickel	1.0	0.35	U	0.35	U	0.35	U		
Potassium	100	60	U	60	U	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	55	U	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

Lab Name: TestAmerica Canton Job No.: 240-18703-1

SDG No.: _____

Concentration Units: ug/L Lab Sample ID: MB 240-70255/1-A

Instrument Code: H1 Batch No.: 70694

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

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Canton Job No.: 240-18703-1

SDG No.: _____

Concentration Units: mg/Kg Lab Sample ID: MB 240-69021/1-A

Instrument Code: H4 Batch No.: 69324

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

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Canton Job No.: 240-18703-1

SDG No.: _____

Concentration Units: mg/Kg Lab Sample ID: MB 240-70273/1-A

Instrument Code: H4 Batch No.: 70525

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

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-18703-1
 SDG No.: _____
 Concentration Units: mg/Kg Lab Sample ID: MB 180-59183/1-A
 Instrument Code: M Batch No.: 59694

CAS No.	Analyte	Concentration	C	Q	Method
7440-22-4	Silver	0.030	U		6020_DoD
7429-90-5	Aluminum	0.515	J		6020_DoD
7440-38-2	Arsenic	0.050	U		6020_DoD
7440-39-3	Barium	0.0133	J	Q	6020_DoD
7440-41-7	Beryllium	0.010	U		6020_DoD
7440-70-2	Calcium	2.78	J		6020_DoD
7440-43-9	Cadmium	0.030	U		6020_DoD
7440-47-3	Chromium	0.040	U		6020_DoD
7440-48-4	Cobalt	0.010	U	Q	6020_DoD
7440-50-8	Copper	0.060	U	Q	6020_DoD
7439-89-6	Iron	1.12	J		6020_DoD
7439-95-4	Magnesium	2.0	U		6020_DoD
7439-96-5	Manganese	0.030	U		6020_DoD
7440-23-5	Sodium	5.0	U		6020_DoD
7440-02-0	Nickel	0.0132	J		6020_DoD
7439-92-1	Lead	0.030	U		6020_DoD
7440-36-0	Antimony	0.10	U		6020_DoD
7440-28-0	Thallium	0.020	U		6020_DoD
7440-62-2	Vanadium	0.060	U		6020_DoD
7440-66-6	Zinc	0.141	J	Q	6020_DoD
7440-09-7	Potassium	6.0	U		6020_DoD
7782-49-2	Selenium	0.10	U	Q	6020_DoD

3-IN
METHOD BLANK
METALS - TOTAL RECOVERABLE

Lab Name: TestAmerica Pittsburgh Job No.: 240-18703-1
 SDG No.: _____
 Concentration Units: ug/L Lab Sample ID: MB 180-59308/1-A
 Instrument Code: M Batch No.: 59694

CAS No.	Analyte	Concentration	C	Q	Method
7440-22-4	Silver	0.20	U		6020_DoD
7429-90-5	Aluminum	6.47	J		6020_DoD
7440-38-2	Arsenic	0.50	U		6020_DoD
7440-39-3	Barium	0.15	U	Q	6020_DoD
7440-41-7	Beryllium	0.090	U		6020_DoD
7440-70-2	Calcium	20	U		6020_DoD
7440-43-9	Cadmium	0.30	U		6020_DoD
7440-47-3	Chromium	1.0	U		6020_DoD
7440-48-4	Cobalt	0.050	U	Q	6020_DoD
7440-50-8	Copper	0.50	U	Q	6020_DoD
7439-89-6	Iron	19.2	J		6020_DoD
7439-95-4	Magnesium	22	U		6020_DoD
7439-96-5	Manganese	0.30	U		6020_DoD
7440-23-5	Sodium	55	U		6020_DoD
7440-02-0	Nickel	0.35	U		6020_DoD
7439-92-1	Lead	0.30	U		6020_DoD
7440-36-0	Antimony	0.90	U		6020_DoD
7440-28-0	Thallium	0.20	U		6020_DoD
7440-62-2	Vanadium	0.60	U		6020_DoD
7440-66-6	Zinc	2.0	U	Q	6020_DoD
7440-09-7	Potassium	60	U		6020_DoD
7782-49-2	Selenium	1.0	U	Q	6020_DoD

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-18703-1
 SDG No.: _____
 Concentration Units: mg/Kg Lab Sample ID: MB 180-59442/1-A
 Instrument Code: M Batch No.: 59733

CAS No.	Analyte	Concentration	C	Q	Method
7440-22-4	Silver	0.029	U		6020_DoD
7429-90-5	Aluminum	0.57	U		6020_DoD
7440-38-2	Arsenic	0.048	U		6020_DoD
7440-39-3	Barium	0.0122	J	Q	6020_DoD
7440-41-7	Beryllium	0.0095	U		6020_DoD
7440-70-2	Calcium	2.18	J		6020_DoD
7440-43-9	Cadmium	0.029	U		6020_DoD
7440-47-3	Chromium	0.038	U		6020_DoD
7440-48-4	Cobalt	0.0095	U	Q	6020_DoD
7440-50-8	Copper	0.057	U	Q	6020_DoD
7439-89-6	Iron	1.19	J		6020_DoD
7439-95-4	Magnesium	1.9	U		6020_DoD
7439-96-5	Manganese	0.029	U		6020_DoD
7440-23-5	Sodium	4.8	U		6020_DoD
7440-02-0	Nickel	0.029	U		6020_DoD
7439-92-1	Lead	0.029	U		6020_DoD
7440-36-0	Antimony	0.095	U		6020_DoD
7440-28-0	Thallium	0.019	U		6020_DoD
7440-62-2	Vanadium	0.057	U		6020_DoD
7440-66-6	Zinc	0.19	U	Q	6020_DoD
7440-09-7	Potassium	5.7	U		6020_DoD
7782-49-2	Selenium	0.095	U		6020_DoD

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-18703-1
 SDG No.: _____
 Lab Sample ID: ICSA 180-59694/8 Instrument ID: M
 Lab File ID: M21228A.xml ICS Source: MICSAX_00023
 Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Aluminum	100000	97270	97
Antimony		0.277	
Arsenic		0.322	
Barium		0.210	
Beryllium		-0.0040	
Cadmium		0.218	
Calcium	100000	98790	99
Chromium		0.0190	
Cobalt		0.135	
Copper		1.53	
Iron	100000	102800	103
Lead		0.160	
Magnesium	100000	99060	99
Manganese		0.282	
Nickel		0.215	
Potassium	100000	98440	98
Selenium		1.15	
Silver		0.0930	
Sodium	100000	98080	98
Thallium		-0.0030	
Vanadium		-0.358	
Zinc		3.61	
<i>Boron</i>		<i>0.416</i>	
<i>Molybdenum</i>	<i>2000</i>	<i>2138</i>	<i>107</i>
<i>Silicon</i>		<i>29.6</i>	
<i>Strontium</i>		<i>4.65</i>	
<i>Tin</i>		<i>0.287</i>	
<i>Titanium</i>	<i>2000</i>	<i>2124</i>	<i>106</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.: 240-18703-1
 SDG No.: _____
 Lab Sample ID: ICSAB 180-59694/9 Instrument ID: M
 Lab File ID: M21228A.xml ICS Source: MICSABX_00026
 Concentration Units: ug/L

Analyte	True	Found	Percent Recovery
	Solution AB	Solution AB	
Aluminum	100000	94617	95
Antimony	20.0	18.8	94
Arsenic	20.0	20.3	101
Barium	20.0	19.5	98
Beryllium	20.0	18.8	94
Cadmium	20.0	19.4	97
Calcium	100000	96587	97
Chromium	20.0	19.7	98
Cobalt	20.0	19.1	95
Copper	20.0	20.2	101
Iron	100000	98603	99
Lead	20.0	19.9	100
Magnesium	100000	96100	96
Manganese	22.5	20.3	90
Nickel	20.0	18.7	93
Potassium	100000	95383	95
Selenium	50.0	51.5	103
Silver	20.0	18.8	94
Sodium	100000	96977	97
Thallium	20.0	19.7	99
Vanadium	20.0	19.5	98
Zinc	25.0	23.3	93
<i>Boron</i>	<i>50.0</i>	<i>44.9</i>	<i>90</i>
<i>Molybdenum</i>	<i>2000</i>	<i>2062</i>	<i>103</i>
<i>Silicon</i>	<i>500</i>	<i>532</i>	<i>106</i>
<i>Strontium</i>	<i>20.0</i>	<i>23.6</i>	<i>118</i>
<i>Tin</i>	<i>100</i>	<i>94.8</i>	<i>95</i>
<i>Titanium</i>	<i>2000</i>	<i>2071</i>	<i>104</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.: 240-18703-1
 SDG No.: _____
 Lab Sample ID: ICSA 180-59733/8 Instrument ID: M
 Lab File ID: M21229A.xml ICS Source: MICSAX_00023
 Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Aluminum	100000	112100	112
Antimony		0.0690	
Arsenic		0.197	
Barium		0.252	
Beryllium		-0.0280	
Cadmium		0.125	
Calcium	100000	111900	112
Chromium		-0.0130	
Cobalt		0.159	
Copper		1.90	
Iron	100000	112800	113
Lead		0.205	
Magnesium	100000	111100	111
Manganese		0.219	
Nickel		0.299	
Potassium	100000	111300	111
Selenium		0.466	
Silver		0.0680	
Sodium	100000	110500	111
Thallium		0.0010	
Vanadium		-0.354	
Zinc		7.52	
<i>Boron</i>		<i>-0.360</i>	
<i>Molybdenum</i>	<i>2000</i>	<i>2374</i>	<i>119</i>
<i>Silicon</i>		<i>32.2</i>	
<i>Strontium</i>		<i>5.27</i>	
<i>Tin</i>		<i>-0.416</i>	
<i>Titanium</i>	<i>2000</i>	<i>2487</i>	<i>124</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.: 240-18703-1
 SDG No.: _____
 Lab Sample ID: ICSAB 180-59733/9 Instrument ID: M
 Lab File ID: M21229A.xml ICS Source: MICSABX_00026
 Concentration Units: ug/L

Analyte	True	Found	Percent Recovery
	Solution AB	Solution AB	
Aluminum	100000	110633	111
Antimony	20.0	21.3	106
Arsenic	20.0	20.0	100
Barium	20.0	22.0	110
Beryllium	20.0	19.6	98
Cadmium	20.0	20.6	103
Calcium	100000	109633	110
Chromium	20.0	21.4	107
Cobalt	20.0	20.7	103
Copper	20.0	21.6	108
Iron	100000	103967	104
Lead	20.0	22.7	113
Magnesium	100000	107900	108
Manganese	22.5	21.1	94
Nickel	20.0	20.5	103
Potassium	100000	108167	108
Selenium	50.0	47.2	94
Silver	20.0	20.0	100
Sodium	100000	107000	107
Thallium	20.0	22.6	113
Vanadium	20.0	21.5	107
Zinc	25.0	24.1	96
<i>Boron</i>	<i>50.0</i>	<i>46.6</i>	<i>93</i>
<i>Molybdenum</i>	<i>2000</i>	<i>2180</i>	<i>109</i>
<i>Silicon</i>	<i>500</i>	<i>592</i>	<i>118</i>
<i>Strontium</i>	<i>20.0</i>	<i>23.5</i>	<i>117</i>
<i>Tin</i>	<i>100</i>	<i>108</i>	<i>108</i>
<i>Titanium</i>	<i>2000</i>	<i>2392</i>	<i>120</i>

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

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: 072SB-0082-0001-SO MS

Lab ID: 240-18703-8 MS

Lab Name: TestAmerica Canton

Job No.: 240-18703-1

SDG No.:

Matrix: Solid

Concentration Units: mg/Kg

% Solids: 84.5

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Mercury	0.227	0.042 U	0.211	107	80-120		7471/DOD

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: 072SB-0083-0001-SO MS

Lab ID: 240-18703-9 MS

Lab Name: TestAmerica Pittsburgh

Job No.: 240-18703-1

SDG No.: _____

Matrix: Solid

Concentration Units: mg/Kg

% Solids: 85.5

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Silver	5.81	0.030	J	5.46	106	75-125	6020/DOD
Silver	5.25	0.030	J	5.46	96	75-125	6020/DOD
Aluminum	14200	11000		219	1620	70-130	4 6020/DOD
Aluminum	16300	11000		219	2580	70-130	4 6020/DOD
Arsenic	22.4	17		4.37	122	23-131	6020/DOD
Arsenic	20.0	17		4.37	68	23-131	6020/DOD
Barium	243	37		219	94	10-199	Q 6020/DOD
Barium	263	37		219	103	10-199	Q 6020/DOD
Beryllium	5.23	0.48		5.46	87	58-112	6020/DOD
Beryllium	5.34	0.48		5.46	89	58-112	6020/DOD
Calcium	13400	5700		5460	141	70-130	J 6020/DOD
Calcium	11100	5700		5460	100	70-130	6020/DOD
Cadmium	5.07	0.16		5.46	90	58-110	6020/DOD
Cadmium	5.35	0.16		5.46	95	58-110	6020/DOD
Chromium	42.6	16		21.9	122	10-199	6020/DOD
Chromium	38.3	16		21.9	103	10-199	6020/DOD
Cobalt	62.9	11		54.6	94	55-110	Q 6020/DOD
Cobalt	65.8	11		54.6	100	55-110	Q 6020/DOD
Copper	47.6	20		27.3	100	10-199	Q 6020/DOD
Copper	44.5	20		27.3	89	10-199	Q 6020/DOD
Iron	26400	29000		109	-2663	70-130	4 6020/DOD
Iron	31100	29000		109	1567	70-130	4 6020/DOD
Magnesium	11200	5300		5460	108	70-130	6020/DOD
Magnesium	11100	5300		5460	105	70-130	6020/DOD
Manganese	494	420		54.6	130	10-199	4 6020/DOD
Manganese	456	420		54.6	61	10-199	4 6020/DOD
Sodium	5070	92		5460	91	70-130	6020/DOD
Sodium	5780	92		5460	104	70-130	6020/DOD
Nickel	76.1	26		54.6	92	10-176	6020/DOD
Nickel	79.9	26		54.6	99	10-176	6020/DOD
Lead	15.3	12		2.19	150	10-199	4 6020/DOD
Lead	16.6	12		2.19	209	10-199	4 6020/DOD
Antimony	22.6	0.10	J	54.6	41	75-125	J 6020/DOD
Antimony	36.2	0.10	J	54.6	66	75-125	J 6020/DOD
Thallium	5.78	0.16		5.46	103	82-110	6020/DOD
Thallium	5.95	0.16		5.46	106	82-110	6020/DOD
Vanadium	72.6	18		54.6	100	39-129	6020/DOD
Vanadium	80.9	18		54.6	115	39-129	6020/DOD

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

Note - Results and Reporting Limits have been adjusted for dry weight.

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: 072SB-0083-0001-SO MS

Lab ID: 240-18703-9 MS

Lab Name: TestAmerica Pittsburgh

Job No.: 240-18703-1

SDG No.:

Matrix: Solid

Concentration Units: mg/Kg

% Solids: 85.5

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Zinc	105	56	54.6	91	10-199	Q	6020/DOD
Zinc	98.9	56	54.6	79	10-199	Q	6020/DOD
Potassium	7430	1900	5460	102	70-130		6020/DOD
Potassium	8530	1900	5460	122	70-130		6020/DOD
Selenium	1.47	0.42 J	1.09	96	39-116		6020/DOD
Selenium	1.42	0.42 J	1.09	91	39-116		6020/DOD

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS

Client ID: 072SB-0083-0001-SO MSD

Lab ID: 240-18703-9 MSD

Lab Name: TestAmerica Pittsburgh

Job No.: 240-18703-1

SDG No.:

Matrix: Solid

Concentration Units: mg/Kg

% Solids: 85.5

Analyte	(SDR) C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Silver	5.85	5.68	103	75-125	1	20		6020/DOD
Silver	5.50	5.68	96	75-125	5	20		6020/DOD
Aluminum	15200	227	2008	70-130	7	20	4	6020/DOD
Aluminum	16900	227	2738	70-130	3	20	4	6020/DOD
Arsenic	21.0	4.54	88	23-131	5	20		6020/DOD
Arsenic	23.7	4.54	146	23-131	6	20	J	6020/DOD
Barium	272	227	103	10-199	3	20	Q	6020/DOD
Barium	258	227	97	10-199	6	20	Q	6020/DOD
Beryllium	5.63	5.68	91	58-112	5	20		6020/DOD
Beryllium	5.48	5.68	88	58-112	5	20		6020/DOD
Calcium	11500	5680	102	70-130	3	20		6020/DOD
Calcium	12200	5680	114	70-130	10	20		6020/DOD
Cadmium	5.33	5.68	91	58-110	5	20		6020/DOD
Cadmium	5.48	5.68	94	58-110	2	20		6020/DOD
Chromium	44.7	22.7	127	10-199	5	20		6020/DOD
Chromium	39.9	22.7	106	10-199	4	20		6020/DOD
Cobalt	64.9	56.8	94	55-110	3	20	Q	6020/DOD
Cobalt	69.2	56.8	102	55-110	5	20	Q	6020/DOD
Copper	50.4	28.4	106	10-199	6	20	Q	6020/DOD
Copper	46.4	28.4	92	10-199	4	20	Q	6020/DOD
Iron	27200	114	-1889	70-130	3	20	4	6020/DOD
Iron	33300	114	3471	70-130	7	20	4	6020/DOD
Magnesium	11600	5680	110	70-130	3	20		6020/DOD
Magnesium	11400	5680	107	70-130	3	20		6020/DOD
Manganese	529	56.8	188	10-199	7	20	4	6020/DOD
Manganese	464	56.8	72	10-199	2	20	4	6020/DOD
Sodium	6000	5680	104	70-130	4	20		6020/DOD
Sodium	5220	5680	90	70-130	3	20		6020/DOD
Nickel	78.0	56.8	92	10-176	3	20		6020/DOD
Nickel	83.9	56.8	102	10-176	5	20		6020/DOD
Lead	17.7	2.27	246	10-199	14	20	4	6020/DOD
Lead	16.7	2.27	205	10-199	1	20	4	6020/DOD
Antimony	23.3	56.8	41	75-125	3	20	J	6020/DOD
Antimony	37.1	56.8	65	75-125	3	20	J	6020/DOD
Thallium	6.08	5.68	104	82-110	5	20		6020/DOD
Thallium	6.19	5.68	106	82-110	4	20		6020/DOD
Vanadium	76.7	56.8	104	39-129	5	20		6020/DOD
Vanadium	85.6	56.8	119	39-129	6	20		6020/DOD

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

Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VD - IN

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS

Client ID: 072SB-0083-0001-SO MSD

Lab ID: 240-18703-9 MSD

Lab Name: TestAmerica Pittsburgh

Job No.: 240-18703-1

SDG No.:

Matrix: Solid

Concentration Units: mg/Kg

% Solids: 85.5

Analyte	(SDR) C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Zinc	112	56.8	98	10-199	6	20	Q	6020/DOD
Zinc	104	56.8	85	10-199	5	20	Q	6020/DOD
Potassium	8060	5680	109	70-130	8	20		6020/DOD
Potassium	8780	5680	121	70-130	3	20		6020/DOD
Selenium	1.49	1.14	94	39-116	4	20		6020/DOD
Selenium	1.49	1.14	94	39-116	1	20		6020/DOD

SDR = Sample Duplicate Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

5B-IN
POST DIGESTION SPIKE SAMPLE RECOVERY
METALS

Client ID: 072SB-0083-0001-SO PDS

Lab ID: 240-18703-9 PDS

Lab Name: TestAmerica Pittsburgh

Job No.: 240-18703-1

SDG No.: _____

Matrix: Solid

Concentration Units: mg/Kg

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Silver	5.53	0.030	J 5.13	107	80-120		6020/DOD
Aluminum	9900	11000	205	-384	80-120		6020/DOD
Arsenic	20.5	17	4.10	84	80-120		6020/DOD
Barium	243	37	205	100	80-120	Q	6020/DOD
Beryllium	5.38	0.48	5.13	96	80-120		6020/DOD
Calcium	16100	5700	5130	203	80-120	J	6020/DOD
Cadmium	5.12	0.16	5.13	97	80-120		6020/DOD
Chromium	35.9	16	20.5	98	80-120		6020/DOD
Cobalt	65.4	11	51.3	105	80-120	Q	6020/DOD
Copper	46.8	20	25.6	104	80-120	Q	6020/DOD
Iron	25700	29000	103	-3580	80-120		6020/DOD
Magnesium	14000	5300	5130	169	80-120	J	6020/DOD
Manganese	448	420	51.3	50	80-120		6020/DOD
Sodium	5580	92	5130	107	80-120		6020/DOD
Nickel	77.8	26	51.3	101	80-120		6020/DOD
Lead	13.9	12	2.05	92	80-120		6020/DOD
Antimony	46.4	0.10	J 51.3	90	80-120		6020/DOD
Thallium	5.91	0.16	5.13	112	80-120		6020/DOD
Vanadium	70.8	18	51.3	103	80-120		6020/DOD
Zinc	103	56	51.3	91	80-120	Q	6020/DOD
Potassium	6740	1900	5130	95	80-120		6020/DOD
Selenium	1.41	0.42	J 1.03	97	80-120		6020/DOD

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

6-IN
DUPLICATES
METALS

Client ID: 072SB-0082-0001-SO DU Lab ID: 240-18703-8 DU
Lab Name: TestAmerica Canton Job No.: 240-18703-1
SDG No.: _____
% Solids for Sample: 84.5 % Solids for Duplicate: 84.5
Matrix: Solid Concentration Units: mg/Kg

Analyte	Control Limit	Sample (S) C	Duplicate (D) C	RPD	Q	Method
Mercury	0.13	0.042 U	0.042 U	NC		7471/DOD

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

FORM VI-IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 240-70255/2-A

Lab Name: TestAmerica Canton

Job No.: 240-18703-1

Sample Matrix: Water

LCS Source: MTHGICVW_00456

Analyte	Water (ug/L)							
	True	Found	C	%R	Limits		Q	Method
Mercury	5.00	4.89		98	80	120		7470A/DOD

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

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 240-69021/2-A

Lab Name: TestAmerica Canton

Job No.: 240-18703-1

Sample Matrix: Solid

LCS Source: MTHGICVW_00450

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Mercury	0.833	0.815		98	80	120		7471/DOD

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

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 240-70273/2-A

Lab Name: TestAmerica Canton

Job No.: 240-18703-1

Sample Matrix: Solid

LCS Source: MTHGICVW_00456

Analyte	Solid (mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Mercury	0.833	0.807		97	80	120		7471/DOD

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

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 180-59183/2-A

Lab Name: TestAmerica Pittsburgh

Job No.: 240-18703-1

Sample Matrix: Solid

LCS Source: CANMSB_High_00001

Analyte	Solid (mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Silver	10.0	9.48		95	60	114		6020/DOD
Aluminum	1000	918		92	80	120		6020/DOD
Arsenic	100	84.4		84	73	110		6020/DOD
Barium	100	88.5		88	70	110	Q	6020/DOD
Beryllium	100	83.9		84	79	110		6020/DOD
Calcium	1000	961		96	80	120		6020/DOD
Cadmium	100	87.4		87	74	110		6020/DOD
Chromium	100	93.9		94	70	110		6020/DOD
Cobalt	100	92.9		93	74	110	Q	6020/DOD
Copper	100	94.8		95	73	110	Q	6020/DOD
Iron	1000	966		97	80	120		6020/DOD
Magnesium	1000	938		94	80	120		6020/DOD
Manganese	100	96.5		97	80	120		6020/DOD
Sodium	1000	893		89	80	120		6020/DOD
Nickel	100	95.2		95	75	110		6020/DOD
Lead	100	89.7		90	75	110		6020/DOD
Antimony	10.0	8.35		84	68	113		6020/DOD
Thallium	25.0	22.2		89	71	110		6020/DOD
Vanadium	100	91.6		92	72	110		6020/DOD
Zinc	100	87.6		88	72	113	Q	6020/DOD
Potassium	1000	910		91	80	120		6020/DOD
Selenium	100	81.8		82	65	110	Q	6020/DOD

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

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS - TOTAL RECOVERABLE

Lab ID: LCS 180-59308/2-A

Lab Name: TestAmerica Pittsburgh

Job No.: 240-18703-1

Sample Matrix: Water

LCS Source: MTAPITTICPMS_00010

Analyte	Water (ug/L)							
	True	Found	C	%R	Limits		Q	Method
Silver	50.0	45.9		92	80	120		6020/DOD
Aluminum	2000	1830		92	80	120		6020/DOD
Arsenic	40.0	37.4		93	80	120		6020/DOD
Barium	2000	1760		88	80	120	Q	6020/DOD
Beryllium	50.0	44.7		89	80	120		6020/DOD
Calcium	50000	47000		94	80	120		6020/DOD
Cadmium	50.0	46.3		93	80	120		6020/DOD
Chromium	200	182		91	80	120		6020/DOD
Cobalt	500	445		89	80	120	Q	6020/DOD
Copper	250	230		92	80	120	Q	6020/DOD
Iron	1000	989		99	80	120		6020/DOD
Magnesium	50000	44900		90	80	120		6020/DOD
Manganese	500	460		92	80	120		6020/DOD
Sodium	50000	41900		84	80	120		6020/DOD
Nickel	500	448		90	80	120		6020/DOD
Lead	20.0	17.6		88	80	120		6020/DOD
Antimony	500	442		88	80	120		6020/DOD
Thallium	50.0	43.0		86	80	120		6020/DOD
Vanadium	500	460		92	80	120		6020/DOD
Zinc	500	464		93	80	120	Q	6020/DOD
Potassium	50000	45700		91	80	120		6020/DOD
Selenium	10.0	10.2		102	80	120	Q	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 180-59308/3-A

Lab Name: TestAmerica Pittsburgh

Job No.: 240-18703-1

Sample Matrix: Water

LCS Source: MTAPITTICPMS_00010

Analyte	(SDR) C	Spike Added	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Silver	46.3	50.0	93	80-120	1	20		6020/DOD
Aluminum	1820	2000	91	80-120	1	20		6020/DOD
Arsenic	36.9	40.0	92	80-120	1	20		6020/DOD
Barium	1770	2000	88	80-120	0	20	Q	6020/DOD
Beryllium	44.5	50.0	89	80-120	0	20		6020/DOD
Calcium	47300	50000	95	80-120	1	20		6020/DOD
Cadmium	46.2	50.0	92	80-120	0	20		6020/DOD
Chromium	184	200	92	80-120	1	20		6020/DOD
Cobalt	452	500	90	80-120	2	20	Q	6020/DOD
Copper	233	250	93	80-120	1	20	Q	6020/DOD
Iron	997	1000	100	80-120	1	20		6020/DOD
Magnesium	45500	50000	91	80-120	1	20		6020/DOD
Manganese	463	500	93	80-120	1	20		6020/DOD
Sodium	43200	50000	86	80-120	3	20		6020/DOD
Nickel	456	500	91	80-120	2	20		6020/DOD
Lead	17.9	20.0	89	80-120	2	20		6020/DOD
Antimony	438	500	88	80-120	1	20		6020/DOD
Thallium	43.7	50.0	87	80-120	2	20		6020/DOD
Vanadium	464	500	93	80-120	1	20		6020/DOD
Zinc	463	500	93	80-120	0	20	Q	6020/DOD
Potassium	46300	50000	93	80-120	1	20		6020/DOD
Selenium	10.1	10.0	101	80-120	1	20	Q	6020/DOD

SDR = Spike Duplicate Results

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

FORM VIID - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 180-59442/2-A

Lab Name: TestAmerica Pittsburgh

Job No.: 240-18703-1

Sample Matrix: Solid

LCS Source: MTAPITTICPMS_00010

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Silver	4.42	4.31		97	60	114		6020/DOD
Aluminum	177	193		109	80	120		6020/DOD
Arsenic	3.54	3.08		87	73	110		6020/DOD
Barium	177	172		97	70	110	Q	6020/DOD
Beryllium	4.42	4.02		91	79	110		6020/DOD
Calcium	4420	4620		104	80	120		6020/DOD
Cadmium	4.42	3.99		90	74	110		6020/DOD
Chromium	17.7	18.3		103	70	110		6020/DOD
Cobalt	44.2	45.3		102	74	110	Q	6020/DOD
Copper	22.1	22.8		103	73	110	Q	6020/DOD
Iron	88.5	94.7		107	80	120		6020/DOD
Magnesium	4420	4700		106	80	120		6020/DOD
Manganese	44.2	43.1		97	80	120		6020/DOD
Sodium	4420	4700		106	80	120		6020/DOD
Nickel	44.2	44.9		102	75	110		6020/DOD
Lead	1.77	1.82		103	75	110		6020/DOD
Antimony	44.2	38.5		87	68	113		6020/DOD
Thallium	4.42	4.49		102	71	110		6020/DOD
Vanadium	44.2	45.8		104	72	110		6020/DOD
Zinc	44.2	39.2		88	72	113	Q	6020/DOD
Potassium	4420	4570		103	80	120		6020/DOD
Selenium	0.885	0.825		93	65	110		6020/DOD

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

FORM VIIA - IN

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

Lab ID: 240-18703-9

SDG No:

Lab Name: TestAmerica Pittsburgh

Job No: 240-18703-1

Matrix: Solid

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Silver	0.030	J	0.15	U	NC		6020/DOD
Aluminum	11000		9870		7.7	D	6020/DOD
Arsenic	17		17.0		0.03	D	6020/DOD
Barium	37		34.1		8.7	D Q	6020/DOD
Beryllium	0.48		0.483	J	0.62	D	6020/DOD
Calcium	5700		10900		91	D V	6020/DOD
Cadmium	0.16		0.130	J	NC	D	6020/DOD
Chromium	16		14.1		11	D V	6020/DOD
Cobalt	11		10.9		3.5	D Q	6020/DOD
Copper	20		20.5		1.4	D Q	6020/DOD
Iron	29000		26900		8.5	D	6020/DOD
Magnesium	5300		8820		66	D V	6020/DOD
Manganese	420		401		5.2	D	6020/DOD
Sodium	92		104		NC	D	6020/DOD
Nickel	26		25.4		1.5	D	6020/DOD
Lead	12		12.0		0.38	D	6020/DOD
Antimony	0.10	J	0.51	U	NC		6020/DOD
Thallium	0.16		0.146	J	NC	D	6020/DOD
Vanadium	18		14.6		19	D V	6020/DOD
Zinc	56		60.9		9.2	D Q	6020/DOD
Potassium	1900		1590		16	D V	6020/DOD
Selenium	0.42	J	0.51	U	NC		6020/DOD

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

FORM VIII-IN

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

Lab ID: 240-18703-24

SDG No:

Lab Name: TestAmerica Pittsburgh

Job No: 240-18703-1

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	14	J	41.2	J	NC	D	6020/DOD
Arsenic	0.50	U	2.5	U	NC		6020/DOD
Barium	0.43	J	0.685	J	NC	D Q	6020/DOD
Beryllium	0.090	U	0.45	U	NC		6020/DOD
Calcium	82	J	158	J	NC	D	6020/DOD
Cadmium	0.30	U	1.5	U	NC		6020/DOD
Chromium	0.76	J	5.0	U	NC		6020/DOD
Cobalt	0.036	J	0.25	U	NC	Q	6020/DOD
Copper	0.50	U	2.5	U	NC	Q	6020/DOD
Iron	20	J	100	U	NC		6020/DOD
Magnesium	22	U	110	U	NC		6020/DOD
Manganese	1.9	J	2.00	J	NC	D	6020/DOD
Sodium	150		156	J	NC	D	6020/DOD
Nickel	0.47	J	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	0.25	J	1.0	U	NC		6020/DOD
Vanadium	0.60	U	3.0	U	NC		6020/DOD
Zinc	1.1	J	5.76	J	NC	D Q	6020/DOD
Potassium	60	U	300	U	NC		6020/DOD
Selenium	1.0	U	5.0	U	NC	Q	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: 240-18703-1
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: 240-18703-1
SDG Number: _____
Matrix: Water Instrument ID: H1
Method: 7470A/DOD XMDL Date: 02/16/2010 09:31

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

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Canton Job Number: 240-18703-1
SDG Number: _____
Matrix: Solid Instrument ID: H4
Method: 7471/DOD DL Date: 02/16/2010 09:46
Prep Method: 7471A

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

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Canton Job Number: 240-18703-1
SDG Number: _____
Matrix: Solid Instrument ID: H4
Method: 7471/DOD XMDL Date: 02/16/2010 09:47

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

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Pittsburgh Job Number: 240-18703-1
 SDG Number: _____
 Matrix: Solid Instrument ID: M
 Method: 6020/DOD DL Date: 01/26/2010 16:34
 Prep Method: 3050B

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

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Pittsburgh Job Number: 240-18703-1
SDG Number: _____
Matrix: Solid Instrument ID: M
Method: 6020/DOD XMDL Date: 01/26/2010 16:34

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

9-IN
DETECTION LIMITS
METALS - TOTAL RECOVERABLE

Lab Name: TestAmerica Pittsburgh Job Number: 240-18703-1
 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: 240-18703-1
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: 240-18703-1

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 Canton

Job No: 240-18703-1

SDG No.: _____

Instrument ID: H4

Date: 04/01/2011 10:50

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

11-IN
LINEAR RANGES
METALS

Lab Name: TestAmerica Pittsburgh

Job No: 240-18703-1

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.: 240-18703-1

SDG No.: _____

Prep Method: 7471A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 240-69021/1-A	12/17/2012 15:15	69021	0.60		100
LCS 240-69021/2-A	12/17/2012 15:15	69021	0.60		100
240-18703-1	12/17/2012 15:15	69021	0.54		100

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-18703-1

SDG No.: _____

Prep Method: 7470A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 240-70255/1-A	12/27/2012 16:00	70255		100	100
LCS 240-70255/2-A	12/27/2012 16:00	70255		100	100
240-18703-24	12/27/2012 16:00	70255		100	100

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-18703-1

SDG No.: _____

Prep Method: 7471A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 240-70273/1-A	12/27/2012 15:25	70273	0.60		100
LCS 240-70273/2-A	12/27/2012 15:25	70273	0.60		100
240-18703-8	12/27/2012 15:25	70273	0.56		100
240-18703-8 DU	12/27/2012 15:25	70273	0.56		100
240-18703-8 MS	12/27/2012 15:25	70273	0.56		100
240-18703-9	12/27/2012 15:25	70273	0.62		100
240-18703-10	12/27/2012 15:25	70273	0.54		100
240-18703-11	12/27/2012 15:25	70273	0.53		100
240-18703-12	12/27/2012 15:25	70273	0.56		100
240-18703-13	12/27/2012 15:25	70273	0.62		100
240-18703-14	12/27/2012 15:25	70273	0.57		100
240-18703-15	12/27/2012 15:25	70273	0.65		100
240-18703-16	12/27/2012 15:25	70273	0.63		100
240-18703-17	12/27/2012 15:25	70273	0.64		100
240-18703-18	12/27/2012 15:25	70273	0.61		100
240-18703-19	12/27/2012 15:25	70273	0.52		100
240-18703-20	12/27/2012 15:25	70273	0.54		100
240-18703-21	12/27/2012 15:25	70273	0.52		100
240-18703-22	12/27/2012 15:25	70273	0.55		100
240-18703-23	12/27/2012 15:25	70273	0.59		100

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-18703-1

SDG No.: _____

Prep Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 180-59183/1-A	12/17/2012 12:42	59183	1.00		100
LCS 180-59183/2-A	12/17/2012 12:42	59183	1.00		100
240-18703-1	12/17/2012 12:42	59183	1.30		100

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-18703-1

SDG No.: _____

Prep Method: 3005A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 180-59308/1-A	12/24/2012 10:24	59308		50	50
LCS 180-59308/2-A	12/24/2012 10:24	59308		50	50
LCSD 180-59308/3-A	12/24/2012 10:24	59308		50	50
240-18703-24	12/24/2012 10:24	59308		50	50

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-18703-1

SDG No.: _____

Prep Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 180-59442/1-A	12/27/2012 07:50	59442	00001.05		100
LCS 180-59442/2-A	12/27/2012 07:50	59442	00001.13		100
240-18703-8	12/27/2012 07:50	59442	00001.03		100
240-18703-9	12/27/2012 07:50	59442	00001.14		100
240-18703-9 MS	12/27/2012 07:50	59442	00001.07		100
240-18703-9 MSD	12/27/2012 07:50	59442	00001.03		100
240-18703-10	12/27/2012 07:50	59442	00001.05		100
240-18703-11	12/27/2012 07:50	59442	00001.05		100
240-18703-12	12/27/2012 07:50	59442	00001.13		100
240-18703-13	12/27/2012 07:50	59442	00001.17		100
240-18703-14	12/27/2012 07:50	59442	00001.09		100
240-18703-15	12/27/2012 07:50	59442	00001.08		100
240-18703-16	12/27/2012 07:50	59442	00001.07		100
240-18703-17	12/27/2012 07:50	59442	00001.03		100
240-18703-18	12/27/2012 07:50	59442	00001.07		100
240-18703-19	12/27/2012 07:50	59442	00001.08		100
240-18703-20	12/27/2012 07:50	59442	00001.09		100
240-18703-21	12/27/2012 07:50	59442	00001.06		100
240-18703-22	12/27/2012 07:50	59442	00001.10		100
240-18703-23	12/27/2012 07:50	59442	00001.15		100

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-18703-1

SDG No.: _____

Instrument ID: H1 Method: 7470A/DOD

Start Date: 12/29/2012 10:42 End Date: 12/29/2012 15:44

Lab Sample ID	D / F	T y p e	Time	Analytes															
				H g															
IC 240-70435/1-A			10:42	X															
IC 240-70435/2-A			10:44	X															
IC 240-70435/3-A			10:45	X															
IC 240-70435/4-A			10:47	X															
IC 240-70435/5-A			10:49	X															
IC 240-70435/6-A			10:50	X															
ICV 240-70435/7-A	1		10:52	X															
ICB 240-70435/8-A	1		10:53	X															
CRA 240-70435/9-A	1		10:55	X															
CCVL 240-70435/10-A	1		11:56	X															
CCB 240-70435/12-A	1		11:57	X															
MB 240-70255/1-A	1	T	11:59	X															
LCS 240-70255/2-A	1	T	12:00	X															
ZZZZZZ			12:02																
ZZZZZZ			12:03																
ZZZZZZ			12:05																
240-18703-24	1	T	12:06	X															
ZZZZZZ			12:08																
ZZZZZZ			12:10																
CRA 240-70435/9-A	1		12:12	X															
ZZZZZZ			12:13																
CCV 240-70435/11-A	1		12:14	X															
CCB 240-70435/12-A	1		12:16	X															
ZZZZZZ			12:17																
ZZZZZZ			12:19																
ZZZZZZ			12:20																
ZZZZZZ			12:21																
ZZZZZZ			12:23																
ZZZZZZ			12:24																
ZZZZZZ			12:26																
ZZZZZZ			12:28																
ZZZZZZ			12:30																
ZZZZZZ			12:31																
CCV 240-70435/11-A			12:33																
CCB 240-70435/12-A			12:34																
ZZZZZZ			12:36																
ZZZZZZ			12:37																
ZZZZZZ			12:39																
ZZZZZZ			12:41																
ZZZZZZ			12:42																
ZZZZZZ			12:44																
ZZZZZZ			12:45																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-18703-1

SDG No.: _____

Instrument ID: H1 Method: 7470A/DOD

Start Date: 12/29/2012 10:42 End Date: 12/29/2012 15:44

Lab Sample ID	D / F	T y p e	Time	Analytes															
				H g															
ZZZZZZ			12:47																
ZZZZZZ			12:49																
ZZZZZZ			12:51																
CCV 240-70435/11-A			12:52																
CCB 240-70435/12-A			12:54																
ZZZZZZ			12:55																
ZZZZZZ			12:57																
ZZZZZZ			12:59																
ZZZZZZ			13:00																
ZZZZZZ			13:01																
ZZZZZZ			13:03																
ZZZZZZ			13:04																
ZZZZZZ			13:06																
ZZZZZZ			13:07																
ZZZZZZ			13:09																
CCV 240-70435/11-A			13:10																
CCB 240-70435/12-A			13:12																
CCV 240-70435/11-A			13:14																
CCB 240-70435/12-A			13:16																
ZZZZZZ			13:17																
ZZZZZZ			13:18																
ZZZZZZ			13:20																
ZZZZZZ			13:21																
ZZZZZZ			13:23																
ZZZZZZ			13:24																
ZZZZZZ			13:26																
ZZZZZZ			13:28																
ZZZZZZ			13:29																
ZZZZZZ			13:31																
CCV 240-70435/11-A			13:32																
CCB 240-70435/12-A			13:33																
ZZZZZZ			13:36																
ZZZZZZ			13:37																
ZZZZZZ			13:39																
ZZZZZZ			13:40																
ZZZZZZ			13:42																
ZZZZZZ			13:44																
ZZZZZZ			13:45																
ZZZZZZ			13:47																
ZZZZZZ			13:48																
ZZZZZZ			13:50																
CCV 240-70435/11-A			13:51																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-18703-1

SDG No.: _____

Instrument ID: H1 Method: 7470A/DOD

Start Date: 12/29/2012 10:42 End Date: 12/29/2012 15:44

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				H g																	
CCB 240-70435/12-A			13:53																		
ZZZZZZ			13:54																		
ZZZZZZ			13:56																		
ZZZZZZ			13:58																		
ZZZZZZ			13:59																		
ZZZZZZ			14:01																		
ZZZZZZ			14:03																		
ZZZZZZ			14:04																		
CRA 240-70435/9-A			14:06																		
CCV 240-70435/11-A			14:07																		
CCB 240-70435/12-A			14:08																		
CCV 240-70435/11-A			14:10																		
CCB 240-70435/12-A			14:11																		
ZZZZZZ			14:13																		
ZZZZZZ			14:14																		
ZZZZZZ			14:16																		
ZZZZZZ			14:17																		
ZZZZZZ			14:19																		
ZZZZZZ			14:20																		
ZZZZZZ			14:21																		
ZZZZZZ			14:23																		
ZZZZZZ			14:24																		
ZZZZZZ			14:25																		
CCV 240-70435/11-A			14:27																		
CCB 240-70435/12-A			14:29																		
ZZZZZZ			14:30																		
ZZZZZZ			14:32																		
ZZZZZZ			14:33																		
ZZZZZZ			14:35																		
ZZZZZZ			14:37																		
ZZZZZZ			14:38																		
ZZZZZZ			14:40																		
ZZZZZZ			14:41																		
ZZZZZZ			14:42																		
ZZZZZZ			14:44																		
CCV 240-70435/11-A			14:45																		
CCB 240-70435/12-A			14:47																		
ZZZZZZ			14:48																		
ZZZZZZ			14:49																		
ZZZZZZ			14:51																		
ZZZZZZ			14:53																		
ZZZZZZ			14:54																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-18703-1

SDG No.: _____

Instrument ID: H1 Method: 7470A/DOD

Start Date: 12/29/2012 10:42 End Date: 12/29/2012 15:44

Lab Sample ID	D / F	T y p e	Time	Analytes															
				H g															
ZZZZZZ			14:56																
ZZZZZZ			14:57																
ZZZZZZ			14:58																
ZZZZZZ			15:00																
ZZZZZZ			15:02																
CCV 240-70435/11-A			15:03																
CCB 240-70435/12-A			15:04																
ZZZZZZ			15:06																
ZZZZZZ			15:07																
ZZZZZZ			15:09																
ZZZZZZ			15:11																
ZZZZZZ			15:12																
ZZZZZZ			15:13																
ZZZZZZ			15:14																
ZZZZZZ			15:16																
ZZZZZZ			15:17																
ZZZZZZ			15:19																
CCV 240-70435/11-A			15:21																
CCB 240-70435/12-A			15:22																
ZZZZZZ			15:24																
ZZZZZZ			15:25																
ZZZZZZ			15:26																
ZZZZZZ			15:28																
ZZZZZZ			15:30																
ZZZZZZ			15:31																
ZZZZZZ			15:32																
ZZZZZZ			15:34																
ZZZZZZ			15:35																
ZZZZZZ			15:37																
CCV 240-70435/11-A			15:38																
CCB 240-70435/12-A			15:39																
ZZZZZZ			15:41																
CCV 240-70435/11-A			15:43																
CCB 240-70435/12-A			15:44																

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-18703-1

SDG No.: _____

Instrument ID: H4 Method: 7471/DOD

Start Date: 12/18/2012 09:15 End Date: 12/18/2012 18:25

Lab Sample ID	D / F	T y p e	Time	Analytes															
				H g															
IC 240-69001/1-A			09:15	X															
IC 240-69001/2-A			09:18	X															
IC 240-69001/3-A			09:19	X															
IC 240-69001/4-A			09:23	X															
IC 240-69001/5-A			09:25	X															
IC 240-69001/6-A			09:27	X															
ICV 240-69001/7-A	1		09:31	X															
ICB 240-69001/8-A	1		09:34	X															
CRA 240-69001/9-A	1		09:36	X															
CCV 240-69001/10-A			10:19																
CCB 240-69001/11-A			10:21																
ZZZZZZ			10:23																
ZZZZZZ			10:25																
ZZZZZZ			10:27																
ZZZZZZ			10:29																
ZZZZZZ			10:31																
ZZZZZZ			10:33																
ZZZZZZ			10:35																
ZZZZZZ			10:37																
ZZZZZZ			10:39																
ZZZZZZ			10:41																
CCV 240-69001/10-A			10:43																
CCB 240-69001/11-A			10:45																
ZZZZZZ			10:47																
ZZZZZZ			10:49																
ZZZZZZ			10:51																
ZZZZZZ			10:53																
ZZZZZZ			10:55																
ZZZZZZ			10:57																
ZZZZZZ			10:59																
ZZZZZZ			11:01																
ZZZZZZ			11:03																
ZZZZZZ			11:05																
CCV 240-69001/10-A	1		11:07	X															
CCB 240-69001/11-A	1		11:09	X															
ZZZZZZ			11:11																
ZZZZZZ			11:12																
ZZZZZZ			11:14																
MB 240-69021/1-A	1	T	11:17	X															
LCS 240-69021/2-A	1	T	11:19	X															
ZZZZZZ			11:22																
ZZZZZZ			11:24																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-18703-1

SDG No.: _____

Instrument ID: H4 Method: 7471/DOD

Start Date: 12/18/2012 09:15 End Date: 12/18/2012 18:25

Lab Sample ID	D / F	T y p e	Time	Analytes															
				H g															
ZZZZZZ			11:26																
ZZZZZZ			11:27																
ZZZZZZ			11:29																
CCV 240-69001/10-A	1		11:31	X															
CCB 240-69001/11-A	1		11:33	X															
ZZZZZZ			11:35																
ZZZZZZ			11:37																
ZZZZZZ			11:39																
ZZZZZZ			11:41																
ZZZZZZ			11:43																
ZZZZZZ			11:45																
ZZZZZZ			11:47																
ZZZZZZ			11:49																
ZZZZZZ			11:51																
ZZZZZZ			11:53																
CCV 240-69001/10-A	1		11:55	X															
CCB 240-69001/11-A	1		11:57	X															
ZZZZZZ			11:59																
240-18703-1	1	T	12:01	X															
ZZZZZZ			12:03																
ZZZZZZ			12:05																
ZZZZZZ			12:07																
ZZZZZZ			12:09																
ZZZZZZ			12:11																
CRA 240-69001/9-A	1		12:13	X															
ZZZZZZ			12:15																
ZZZZZZ			12:18																
CCV 240-69001/10-A	1		12:19	X															
CCB 240-69001/11-A	1		12:21	X															
ZZZZZZ			12:24																
ZZZZZZ			12:26																
ZZZZZZ			12:28																
ZZZZZZ			12:30																
CCV 240-69001/10-A			12:32																
CCB 240-69001/11-A			12:34																
CCV 240-69001/10-A			14:29																
CCB 240-69001/11-A			14:31																
ZZZZZZ			14:33																
ZZZZZZ			14:35																
ZZZZZZ			14:37																
ZZZZZZ			14:39																
ZZZZZZ			14:41																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-18703-1

SDG No.: _____

Instrument ID: H4 Method: 7471/DOD

Start Date: 12/18/2012 09:15 End Date: 12/18/2012 18:25

Lab Sample ID	D / F	T y p e	Time	Analytes															
				H g															
ZZZZZZ			14:42																
ZZZZZZ			14:44																
ZZZZZZ			14:46																
ZZZZZZ			14:48																
ZZZZZZ			14:51																
CCV 240-69001/10-A			14:53																
CCB 240-69001/11-A			14:55																
ZZZZZZ			14:57																
ZZZZZZ			14:59																
ZZZZZZ			15:01																
ZZZZZZ			15:03																
ZZZZZZ			15:05																
ZZZZZZ			15:07																
ZZZZZZ			15:10																
ZZZZZZ			15:11																
ZZZZZZ			15:14																
ZZZZZZ			15:16																
CCV 240-69001/10-A			15:17																
CCB 240-69001/11-A			15:20																
ZZZZZZ			15:23																
ZZZZZZ			15:25																
ZZZZZZ			15:27																
ZZZZZZ			15:30																
ZZZZZZ			15:32																
ZZZZZZ			15:35																
ZZZZZZ			15:37																
ZZZZZZ			15:39																
ZZZZZZ			15:40																
ZZZZZZ			15:42																
CCV 240-69001/10-A			15:44																
CCB 240-69001/11-A			15:46																
ZZZZZZ			15:48																
ZZZZZZ			15:50																
ZZZZZZ			15:52																
ZZZZZZ			15:54																
ZZZZZZ			15:55																
ZZZZZZ			15:58																
ZZZZZZ			16:00																
ZZZZZZ			16:02																
ZZZZZZ			16:04																
ZZZZZZ			16:06																
CCV 240-69001/10-A			16:09																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-18703-1

SDG No.: _____

Instrument ID: H4 Method: 7471/DOD

Start Date: 12/18/2012 09:15 End Date: 12/18/2012 18:25

Lab Sample ID	D / F	T y p e	Time	Analytes															
				H g															
CCB 240-69001/11-A			16:11																
ZZZZZZ			16:12																
ZZZZZZ			16:14																
ZZZZZZ			16:16																
ZZZZZZ			16:20																
ZZZZZZ			16:22																
ZZZZZZ			16:23																
ZZZZZZ			16:26																
ZZZZZZ			16:28																
ZZZZZZ			16:30																
ZZZZZZ			16:32																
CCV 240-69001/10-A			16:34																
CCB 240-69001/11-A			16:36																
CCV 240-69001/10-A			16:42																
CCB 240-69001/11-A			16:44																
ZZZZZZ			16:46																
ZZZZZZ			16:48																
ZZZZZZ			16:50																
ZZZZZZ			16:52																
CCV 240-69001/10-A			16:59																
CCB 240-69001/11-A			17:01																
ZZZZZZ			17:04																
ZZZZZZ			17:07																
ZZZZZZ			17:09																
ZZZZZZ			17:10																
ZZZZZZ			17:12																
ZZZZZZ			17:14																
ZZZZZZ			17:16																
ZZZZZZ			17:18																
ZZZZZZ			17:20																
ZZZZZZ			17:22																
CCV 240-69001/10-A			17:25																
CCB 240-69001/11-A			17:27																
ZZZZZZ			17:29																
ZZZZZZ			17:31																
ZZZZZZ			17:33																
ZZZZZZ			17:36																
ZZZZZZ			17:38																
ZZZZZZ			17:40																
ZZZZZZ			17:42																
ZZZZZZ			17:44																
ZZZZZZ			17:46																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-18703-1

SDG No.: _____

Instrument ID: H4 Method: 7471/DOD

Start Date: 12/18/2012 09:15 End Date: 12/18/2012 18:25

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				H g																	
ZZZZZZ			17:48																		
CCV 240-69001/10-A			17:51																		
CCB 240-69001/11-A			17:53																		
ZZZZZZ			17:55																		
ZZZZZZ			17:57																		
ZZZZZZ			17:59																		
ZZZZZZ			18:01																		
ZZZZZZ			18:03																		
ZZZZZZ			18:05																		
ZZZZZZ			18:08																		
ZZZZZZ			18:10																		
ZZZZZZ			18:12																		
ZZZZZZ			18:15																		
CCV 240-69001/10-A			18:17																		
CCB 240-69001/11-A			18:19																		
ZZZZZZ			18:21																		
CCV 240-69001/10-A			18:23																		
CCB 240-69001/11-A			18:25																		

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-18703-1

SDG No.: _____

Instrument ID: H4 Method: 7471/DOD

Start Date: 12/28/2012 15:53 End Date: 12/28/2012 18:28

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				H g																	
STD01REP1 240-70525/1 IC			15:53	X																	
STD02REP1 240-70525/2 IC			15:55	X																	
STD03REP1 240-70525/3 IC			15:57	X																	
STD04REP1 240-70525/4 IC			15:59	X																	
STD05REP1 240-70525/5 IC			16:01	X																	
STD06REP1 240-70525/6 IC			16:03	X																	
ICV 240-70438/7-A	1		16:05	X																	
ICB 240-70438/8-A	1		16:08	X																	
CRA 240-70438/9-A	1		16:10	X																	
CCV 240-70438/10-A			16:12																		
CCB 240-70438/11-A			16:15																		
ZZZZZZ			16:16																		
ZZZZZZ			16:19																		
ZZZZZZ			16:21																		
ZZZZZZ			16:23																		
ZZZZZZ			16:25																		
ZZZZZZ			16:27																		
CCV 240-70438/10-A	1		16:30	X																	
CCB 240-70438/11-A	1		16:32	X																	
MB 240-70273/1-A	1	T	16:34	X																	
LCS 240-70273/2-A	1	T	16:35	X																	
240-18703-8	1	T	16:38	X																	
240-18703-8 DU	1	T	16:40	X																	
240-18703-8 MS	1	T	16:42	X																	
240-18703-19	1	T	16:44	X																	
240-18703-15	1	T	16:46	X																	
240-18703-14	1	T	16:48	X																	
240-18703-17	1	T	16:50	X																	
240-18703-22	1	T	16:52	X																	
CCV 240-70438/10-A	1		16:54	X																	
CCB 240-70438/11-A	1		16:56	X																	
240-18703-10	1	T	16:58	X																	
240-18703-21	1	T	17:00	X																	
240-18703-23	1	T	17:02	X																	
240-18703-11	1	T	17:04	X																	
240-18703-16	1	T	17:06	X																	
ZZZZZZ			17:08																		
240-18703-20	1	T	17:10	X																	
240-18703-12	1	T	17:12	X																	

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-18703-1

SDG No.: _____

Instrument ID: H4 Method: 7471/DOD

Start Date: 12/28/2012 15:53 End Date: 12/28/2012 18:28

Lab Sample ID	D / F	T y p e	Time	Analytes															
				H g															
ZZZZZZ			17:14																
240-18703-9	1	T	17:16	X															
CCV 240-70438/10-A	1		17:19	X															
CCB 240-70438/11-A	1		17:20	X															
240-18703-13	1	T	17:22	X															
240-18703-18	1	T	17:24	X															
CRA 240-70438/9-A	1		17:26	X															
ZZZZZZ			17:28																
ZZZZZZ			17:30																
ZZZZZZ			17:32																
ZZZZZZ			17:35																
ZZZZZZ			17:37																
ZZZZZZ			17:39																
ZZZZZZ			17:41																
CCV 240-70438/10-A	1		17:43	X															
CCB 240-70438/11-A	1		17:45	X															
ZZZZZZ			17:47																
ZZZZZZ			17:50																
ZZZZZZ			17:51																
ZZZZZZ			17:53																
ZZZZZZ			17:55																
ZZZZZZ			17:57																
ZZZZZZ			17:59																
ZZZZZZ			18:02																
ZZZZZZ			18:04																
ZZZZZZ			18:06																
CCV 240-70438/10-A			18:08																
CCB 240-70438/11-A			18:11																
ZZZZZZ			18:13																
ZZZZZZ			18:15																
ZZZZZZ			18:17																
ZZZZZZ			18:19																
ZZZZZZ			18:21																
ZZZZZZ			18:23																
ZZZZZZ			18:25																
CCV 240-70438/10-A			18:27																
CCB 240-70438/11-A			18:28																

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-18703-1

SDG No.: _____

Instrument ID: M Method: 6020/DOD

Start Date: 12/28/2012 15:41 End Date: 12/29/2012 10:42

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 180-59694/1			15:41																				
STD1 180-59694/2 IC	1		22:40	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
STD2 180-59694/3 IC	1		22:45	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
STD3 180-59694/4 IC	1		22:50	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ICV 180-59694/5	1		22:54	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ICB 180-59694/6	1		23:01	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CRI 180-59694/7	1		23:06	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ICSA 180-59694/8	1		23:10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ICSAB 180-59694/9	1		23:14	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCV 180-59694/10	1		23:21	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCB1 180-59694/11	1		23:29	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
MB 180-59183/1-A	1	T	23:33	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
LCS 180-59183/2-A	1	T	23:37	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ZZZZZZ			23:42																				
ZZZZZZ			23:46																				
ZZZZZZ			23:50																				
ZZZZZZ			23:55																				
ZZZZZZ			23:59																				
ZZZZZZ			00:03																				
ZZZZZZ			00:08																				
ZZZZZZ			00:12																				
CCV 180-59694/22	1		00:19	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCB2 180-59694/23	1		00:27	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ZZZZZZ			00:31																				
ZZZZZZ			00:36																				
ZZZZZZ			00:40																				
ZZZZZZ			00:44																				
ZZZZZZ			00:49																				
ZZZZZZ			00:53																				
ZZZZZZ			00:57																				
ZZZZZZ			01:01																				
ZZZZZZ			01:06																				
ZZZZZZ			01:10																				
CCV 180-59694/34	1		01:17	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCB3 180-59694/35	1		01:25	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ZZZZZZ			01:30																				
ZZZZZZ			01:34																				
ZZZZZZ			01:38																				
ZZZZZZ			01:43																				
ZZZZZZ			01:47																				
240-18703-1	1	T	01:51	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ZZZZZZ			01:59																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-18703-1

SDG No.: _____

Instrument ID: M Method: 6020/DOD

Start Date: 12/28/2012 15:41 End Date: 12/29/2012 10:42

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			02:03																				
ZZZZZZ			02:08																				
ZZZZZZ			02:12																				
CCV 180-59694/46	1		02:19	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCB4 180-59694/47	1		02:27	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ZZZZZZ			02:32																				
ZZZZZZ			02:36																				
ZZZZZZ			02:40																				
ZZZZZZ			02:45																				
ZZZZZZ			02:49																				
ZZZZZZ			02:53																				
ZZZZZZ			02:58																				
ZZZZZZ			03:02																				
ZZZZZZ			03:06																				
ZZZZZZ			03:11																				
CCV 180-59694/58	1		03:18	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCB5 180-59694/59	1		03:26	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ZZZZZZ			03:33																				
ZZZZZZ			03:37																				
MB 180-59308/1-A	1	R	03:45	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
LCS 180-59308/2-A	1	R	03:50	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
LCSD 180-59308/3-A	1	R	03:54	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
240-18703-24	1	R	03:58	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
240-18703-24 SD	5	R	04:03	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ZZZZZZ			04:07																				
ZZZZZZ			04:11																				
CRI 180-59694/69	1		04:27	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCV 180-59694/70	1		04:35	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCB6 180-59694/71	1		04:43	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ZZZZZZ			04:47																				
ZZZZZZ			04:51																				
ZZZZZZ			04:55																				
ZZZZZZ			05:00																				
ZZZZZZ			05:04																				
ZZZZZZ			05:08																				
ZZZZZZ			05:13																				
ZZZZZZ			05:17																				
ZZZZZZ			05:21																				
ZZZZZZ			05:26																				
CCV 180-59694/82			05:33																				
CCB7 180-59694/83			05:40																				
ZZZZZZ			05:45																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-18703-1

SDG No.: _____

Instrument ID: M Method: 6020/DOD

Start Date: 12/28/2012 15:41 End Date: 12/29/2012 10:42

Lab Sample ID	D / F	T y p e	Time	Analytes																		
				A g	A l	A s	B a	B e	C a	C d	C o	C r	C u	F e	K	M g	M n	N a	N i	P b	S b	S e
ZZZZZZ			05:49																			
ZZZZZZ			05:53																			
ZZZZZZ			05:58																			
ZZZZZZ			06:02																			
ZZZZZZ			06:06																			
ZZZZZZ			06:11																			
ZZZZZZ			06:15																			
ZZZZZZ			06:19																			
ZZZZZZ			06:24																			
CCV 180-59694/94			06:31																			
CCB8 180-59694/95			06:38																			
ZZZZZZ			06:43																			
ZZZZZZ			06:47																			
ZZZZZZ			06:51																			
ZZZZZZ			06:56																			
ZZZZZZ			07:00																			
ZZZZZZ			07:08																			
ZZZZZZ			07:12																			
ZZZZZZ			07:17																			
ZZZZZZ			07:21																			
ZZZZZZ			07:25																			
ZZZZZZ			07:30																			
CCV 180-59694/107			07:37																			
CCB9 180-59694/108			07:44																			
ZZZZZZ			07:49																			
ZZZZZZ			07:53																			
ZZZZZZ			07:57																			
ZZZZZZ			08:02																			
ZZZZZZ			08:06																			
ZZZZZZ			08:10																			
ZZZZZZ			08:15																			
ZZZZZZ			08:19																			
ZZZZZZ			08:23																			
ZZZZZZ			08:28																			
CCV 180-59694/119			08:35																			
CCB10 180-59694/120			08:42																			
ZZZZZZ			08:47																			
ZZZZZZ			08:51																			
ZZZZZZ			08:59																			
ZZZZZZ			09:03																			
ZZZZZZ			09:08																			
ZZZZZZ			09:12																			

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-18703-1

SDG No.: _____

Instrument ID: M Method: 6020/DOD

Start Date: 12/28/2012 15:41 End Date: 12/29/2012 10:42

Lab Sample ID	D / F	T y p e	Time	Analytes																		
				A g	A l	A s	B a	B e	C a	C d	C o	C r	C u	F e	K	M g	M n	N a	N i	P b	S b	S e
ZZZZZZ			09:16																			
ZZZZZZ			09:21																			
ZZZZZZ			09:25																			
ZZZZZZ			09:29																			
CCV 180-59694/131			09:37																			
CCB11 180-59694/132			09:44																			
ZZZZZZ			09:48																			
ZZZZZZ			09:53																			
ZZZZZZ			09:57																			
ZZZZZZ			10:01																			
ZZZZZZ			10:06																			
ZZZZZZ			10:10																			
ZZZZZZ			10:14																			
ZZZZZZ			10:19																			
ZZZZZZ			10:23																			
ZZZZZZ			10:27																			
CCV 180-59694/143			10:35																			
CCB12 180-59694/144			10:42																			

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-18703-1

SDG No.: _____

Instrument ID: M Method: 6020/DOD

Start Date: 12/28/2012 15:41 End Date: 12/29/2012 10:42

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				V	Z n																
ITUNE 180-59694/1			15:41																		
STD1 180-59694/2 IC	1		22:40	X	X																
STD2 180-59694/3 IC	1		22:45	X	X																
STD3 180-59694/4 IC	1		22:50	X	X																
ICV 180-59694/5	1		22:54	X	X																
ICB 180-59694/6	1		23:01	X	X																
CRI 180-59694/7	1		23:06	X	X																
ICSA 180-59694/8	1		23:10	X	X																
ICSAB 180-59694/9	1		23:14	X	X																
CCV 180-59694/10	1		23:21	X	X																
CCB1 180-59694/11	1		23:29	X	X																
MB 180-59183/1-A	1	T	23:33	X	X																
LCS 180-59183/2-A	1	T	23:37	X	X																
ZZZZZZ			23:42																		
ZZZZZZ			23:46																		
ZZZZZZ			23:50																		
ZZZZZZ			23:55																		
ZZZZZZ			23:59																		
ZZZZZZ			00:03																		
ZZZZZZ			00:08																		
ZZZZZZ			00:12																		
CCV 180-59694/22	1		00:19	X	X																
CCB2 180-59694/23	1		00:27	X	X																
ZZZZZZ			00:31																		
ZZZZZZ			00:36																		
ZZZZZZ			00:40																		
ZZZZZZ			00:44																		
ZZZZZZ			00:49																		
ZZZZZZ			00:53																		
ZZZZZZ			00:57																		
ZZZZZZ			01:01																		
ZZZZZZ			01:06																		
ZZZZZZ			01:10																		
CCV 180-59694/34	1		01:17	X	X																
CCB3 180-59694/35	1		01:25	X	X																
ZZZZZZ			01:30																		
ZZZZZZ			01:34																		
ZZZZZZ			01:38																		
ZZZZZZ			01:43																		
ZZZZZZ			01:47																		
240-18703-1	1	T	01:51	X	X																
ZZZZZZ			01:59																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-18703-1

SDG No.: _____

Instrument ID: M Method: 6020/DOD

Start Date: 12/28/2012 15:41 End Date: 12/29/2012 10:42

Lab Sample ID	D / F	T y p e	Time	Analytes															
				V	Z n														
ZZZZZZ			02:03																
ZZZZZZ			02:08																
ZZZZZZ			02:12																
CCV 180-59694/46	1		02:19	X	X														
CCB4 180-59694/47	1		02:27	X	X														
ZZZZZZ			02:32																
ZZZZZZ			02:36																
ZZZZZZ			02:40																
ZZZZZZ			02:45																
ZZZZZZ			02:49																
ZZZZZZ			02:53																
ZZZZZZ			02:58																
ZZZZZZ			03:02																
ZZZZZZ			03:06																
ZZZZZZ			03:11																
CCV 180-59694/58	1		03:18	X	X														
CCB5 180-59694/59	1		03:26	X	X														
ZZZZZZ			03:33																
ZZZZZZ			03:37																
MB 180-59308/1-A	1	R	03:45	X	X														
LCS 180-59308/2-A	1	R	03:50	X	X														
LCSD 180-59308/3-A	1	R	03:54	X	X														
240-18703-24	1	R	03:58	X	X														
240-18703-24 SD	5	R	04:03	X	X														
ZZZZZZ			04:07																
ZZZZZZ			04:11																
CRI 180-59694/69	1		04:27	X	X														
CCV 180-59694/70	1		04:35	X	X														
CCB6 180-59694/71	1		04:43	X	X														
ZZZZZZ			04:47																
ZZZZZZ			04:51																
ZZZZZZ			04:55																
ZZZZZZ			05:00																
ZZZZZZ			05:04																
ZZZZZZ			05:08																
ZZZZZZ			05:13																
ZZZZZZ			05:17																
ZZZZZZ			05:21																
ZZZZZZ			05:26																
CCV 180-59694/82			05:33																
CCB7 180-59694/83			05:40																
ZZZZZZ			05:45																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-18703-1

SDG No.: _____

Instrument ID: M Method: 6020/DOD

Start Date: 12/28/2012 15:41 End Date: 12/29/2012 10:42

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				V	Z n																
ZZZZZZ			05:49																		
ZZZZZZ			05:53																		
ZZZZZZ			05:58																		
ZZZZZZ			06:02																		
ZZZZZZ			06:06																		
ZZZZZZ			06:11																		
ZZZZZZ			06:15																		
ZZZZZZ			06:19																		
ZZZZZZ			06:24																		
CCV 180-59694/94			06:31																		
CCB8 180-59694/95			06:38																		
ZZZZZZ			06:43																		
ZZZZZZ			06:47																		
ZZZZZZ			06:51																		
ZZZZZZ			06:56																		
ZZZZZZ			07:00																		
ZZZZZZ			07:08																		
ZZZZZZ			07:12																		
ZZZZZZ			07:17																		
ZZZZZZ			07:21																		
ZZZZZZ			07:25																		
ZZZZZZ			07:30																		
CCV 180-59694/107			07:37																		
CCB9 180-59694/108			07:44																		
ZZZZZZ			07:49																		
ZZZZZZ			07:53																		
ZZZZZZ			07:57																		
ZZZZZZ			08:02																		
ZZZZZZ			08:06																		
ZZZZZZ			08:10																		
ZZZZZZ			08:15																		
ZZZZZZ			08:19																		
ZZZZZZ			08:23																		
ZZZZZZ			08:28																		
CCV 180-59694/119			08:35																		
CCB10 180-59694/120			08:42																		
ZZZZZZ			08:47																		
ZZZZZZ			08:51																		
ZZZZZZ			08:59																		
ZZZZZZ			09:03																		
ZZZZZZ			09:08																		
ZZZZZZ			09:12																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-18703-1

SDG No.: _____

Instrument ID: M Method: 6020/DOD

Start Date: 12/28/2012 15:41 End Date: 12/29/2012 10:42

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				V	Z																
ZZZZZZ			09:16																		
ZZZZZZ			09:21																		
ZZZZZZ			09:25																		
ZZZZZZ			09:29																		
CCV 180-59694/131			09:37																		
CCB11 180-59694/132			09:44																		
ZZZZZZ			09:48																		
ZZZZZZ			09:53																		
ZZZZZZ			09:57																		
ZZZZZZ			10:01																		
ZZZZZZ			10:06																		
ZZZZZZ			10:10																		
ZZZZZZ			10:14																		
ZZZZZZ			10:19																		
ZZZZZZ			10:23																		
ZZZZZZ			10:27																		
CCV 180-59694/143			10:35																		
CCB12 180-59694/144			10:42																		

Prep Types

R = Total Recoverable

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-18703-1

SDG No.: _____

Instrument ID: M Method: 6020/DOD

Start Date: 12/29/2012 15:23 End Date: 12/30/2012 06:17

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 180-59733/1			15:23																				
STD1 180-59733/2 IC	1		16:18	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
STD2 180-59733/3 IC	1		16:23	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
STD3 180-59733/4 IC	1		16:27	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ICV 180-59733/5	1		16:50	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ICB 180-59733/6	1		16:58	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CRI 180-59733/7	1		17:02	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ICSA 180-59733/8	1		17:06	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ICSAB 180-59733/9	1		17:10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCV 180-59733/10	1		17:18	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCB1 180-59733/11	1		17:25	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
MB 180-59442/1-A	1	T	17:29	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
LCS 180-59442/2-A	1	T	17:33	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
240-18703-8	1	T	17:38	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
240-18703-9	1	T	17:42	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
240-18703-9 SD	5	T	17:46	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
240-18703-9 MS	1	T	17:51	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
240-18703-9 MSD	1	T	17:55	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
240-18703-9 PDS	1	T	17:59	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
240-18703-10	1	T	18:03	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
240-18703-11	1	T	18:08	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCV 180-59733/22	1		18:15	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCB2 180-59733/23	1		18:23	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
240-18703-12	1	T	18:27	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
240-18703-13	1	T	18:32	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
240-18703-14	1	T	18:36	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
240-18703-15	1	T	18:40	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
240-18703-16	1	T	18:44	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
240-18703-17	1	T	18:49	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
240-18703-18	1	T	18:53	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
240-18703-19	1	T	18:57	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
240-18703-20	1	T	19:02	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
240-18703-21	1	T	19:06	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCV 180-59733/34	1		19:13	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCB3 180-59733/35	1		19:21	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
240-18703-22	1	T	19:26	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
240-18703-23	1	T	19:30	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ZZZZZZ			19:38																				
ZZZZZZ			19:42																				
ZZZZZZ			19:46																				
ZZZZZZ			19:51																				
ZZZZZZ			19:55																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-18703-1

SDG No.: _____

Instrument ID: M Method: 6020/DOD

Start Date: 12/29/2012 15:23 End Date: 12/30/2012 06:17

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			19:59																				
ZZZZZZ			20:04																				
ZZZZZZ			20:08																				
CCV 180-59733/46	1		20:15	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCB4 180-59733/47	1		20:23	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ZZZZZZ			20:28																				
ZZZZZZ			20:32																				
ZZZZZZ			20:36																				
ZZZZZZ			20:40																				
ZZZZZZ			20:45																				
ZZZZZZ			20:49																				
ZZZZZZ			20:53																				
ZZZZZZ			20:58																				
ZZZZZZ			21:02																				
ZZZZZZ			21:06																				
CCV 180-59733/58			21:14																				
CCB5 180-59733/59			21:21																				
ZZZZZZ			21:25																				
ZZZZZZ			21:30																				
ZZZZZZ			21:34																				
ZZZZZZ			21:38																				
ZZZZZZ			21:43																				
ZZZZZZ			21:47																				
ZZZZZZ			21:55																				
ZZZZZZ			21:59																				
ZZZZZZ			22:04																				
ZZZZZZ			22:08																				
CCV 180-59733/70			22:15																				
CCB6 180-59733/71			22:23																				
ZZZZZZ			22:27																				
ZZZZZZ			22:32																				
ZZZZZZ			22:36																				
ZZZZZZ			22:40																				
ZZZZZZ			22:45																				
ZZZZZZ			22:49																				
ZZZZZZ			22:53																				
ZZZZZZ			22:58																				
ZZZZZZ			23:02																				
ZZZZZZ			23:06																				
CCV 180-59733/82			23:14																				
CCB7 180-59733/83			23:21																				
ZZZZZZ			23:25																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-18703-1

SDG No.: _____

Instrument ID: M Method: 6020/DOD

Start Date: 12/29/2012 15:23 End Date: 12/30/2012 06:17

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			23:30																				
ZZZZZZ			23:34																				
ZZZZZZ			23:38																				
ZZZZZZ			23:43																				
ZZZZZZ			23:47																				
ZZZZZZ			23:51																				
ZZZZZZ			23:59																				
ZZZZZZ			00:04																				
ZZZZZZ			00:08																				
CCV 180-59733/94			00:15																				
CCB8 180-59733/95			00:22																				
ZZZZZZ			00:27																				
ZZZZZZ			00:31																				
ZZZZZZ			00:35																				
ZZZZZZ			00:40																				
ZZZZZZ			00:44																				
ZZZZZZ			00:48																				
ZZZZZZ			00:53																				
ZZZZZZ			00:57																				
ZZZZZZ			01:01																				
ZZZZZZ			01:06																				
CCV 180-59733/106			01:13																				
CCB9 180-59733/107			01:20																				
ZZZZZZ			01:25																				
ZZZZZZ			01:33																				
ZZZZZZ			01:37																				
ZZZZZZ			01:41																				
ZZZZZZ			01:46																				
ZZZZZZ			01:50																				
ZZZZZZ			01:54																				
ZZZZZZ			01:59																				
ZZZZZZ			02:03																				
ZZZZZZ			02:07																				
CCV 180-59733/118			02:15																				
CCB10 180-59733/119			02:22																				
ZZZZZZ			02:26																				
ZZZZZZ			02:31																				
ZZZZZZ			02:35																				
ZZZZZZ			02:39																				
ZZZZZZ			02:44																				
ZZZZZZ			02:48																				
ZZZZZZ			02:52																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-18703-1

SDG No.: _____

Instrument ID: M Method: 6020/DOD

Start Date: 12/29/2012 15:23 End Date: 12/30/2012 06:17

Lab Sample ID	D / F	T y p e	Time	Analytes																		
				A g	A l	A s	B a	B e	C a	C d	C o	C r	C u	F e	K	M g	M n	N a	N i	P b	S b	S e
ZZZZZZ			02:57																			
ZZZZZZ			03:01																			
ZZZZZZ			03:05																			
CCV 180-59733/130			03:13																			
CCB11 180-59733/131			03:20																			
ZZZZZZ			03:24																			
ZZZZZZ			03:29																			
ZZZZZZ			03:33																			
ZZZZZZ			03:37																			
ZZZZZZ			03:42																			
ZZZZZZ			03:46																			
ZZZZZZ			03:54																			
ZZZZZZ			03:59																			
ZZZZZZ			04:03																			
ZZZZZZ			04:07																			
CCV 180-59733/142			04:14																			
CCB12 180-59733/143			04:22																			
ZZZZZZ			04:26																			
ZZZZZZ			04:30																			
ZZZZZZ			04:35																			
ZZZZZZ			04:39																			
ZZZZZZ			04:44																			
ZZZZZZ			04:48																			
ZZZZZZ			04:52																			
ZZZZZZ			04:57																			
ZZZZZZ			05:01																			
ZZZZZZ			05:05																			
CCV 180-59733/154	1		05:13	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB13 180-59733/155	1		05:20	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			05:24																			
ZZZZZZ			05:29																			
CRI 180-59733/158	1		05:45	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			05:49																			
ZZZZZZ			05:53																			
240-18703-9 MS	1	T	05:58	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
240-18703-9 MSD	1	T	06:02	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 180-59733/163	1		06:09	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB14 180-59733/164	1		06:17	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-18703-1

SDG No.: _____

Instrument ID: M Method: 6020/DOD

Start Date: 12/29/2012 15:23 End Date: 12/30/2012 06:17

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				V	Z n																
ITUNE 180-59733/1			15:23																		
STD1 180-59733/2 IC	1		16:18	X	X																
STD2 180-59733/3 IC	1		16:23	X	X																
STD3 180-59733/4 IC	1		16:27	X	X																
ICV 180-59733/5	1		16:50	X	X																
ICB 180-59733/6	1		16:58	X	X																
CRI 180-59733/7	1		17:02	X	X																
ICSA 180-59733/8	1		17:06	X	X																
ICSAB 180-59733/9	1		17:10	X	X																
CCV 180-59733/10	1		17:18	X	X																
CCB1 180-59733/11	1		17:25	X	X																
MB 180-59442/1-A	1	T	17:29	X	X																
LCS 180-59442/2-A	1	T	17:33	X	X																
240-18703-8	1	T	17:38	X	X																
240-18703-9	1	T	17:42	X	X																
240-18703-9 SD	5	T	17:46	X	X																
240-18703-9 MS	1	T	17:51	X	X																
240-18703-9 MSD	1	T	17:55	X	X																
240-18703-9 PDS	1	T	17:59	X	X																
240-18703-10	1	T	18:03	X	X																
240-18703-11	1	T	18:08	X	X																
CCV 180-59733/22	1		18:15	X	X																
CCB2 180-59733/23	1		18:23	X	X																
240-18703-12	1	T	18:27	X	X																
240-18703-13	1	T	18:32	X	X																
240-18703-14	1	T	18:36	X	X																
240-18703-15	1	T	18:40	X	X																
240-18703-16	1	T	18:44	X	X																
240-18703-17	1	T	18:49	X	X																
240-18703-18	1	T	18:53	X	X																
240-18703-19	1	T	18:57	X	X																
240-18703-20	1	T	19:02	X	X																
240-18703-21	1	T	19:06	X	X																
CCV 180-59733/34	1		19:13	X	X																
CCB3 180-59733/35	1		19:21	X	X																
240-18703-22	1	T	19:26	X	X																
240-18703-23	1	T	19:30	X	X																
ZZZZZZ			19:38																		
ZZZZZZ			19:42																		
ZZZZZZ			19:46																		
ZZZZZZ			19:51																		
ZZZZZZ			19:55																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-18703-1

SDG No.: _____

Instrument ID: M Method: 6020/DOD

Start Date: 12/29/2012 15:23 End Date: 12/30/2012 06:17

Lab Sample ID	D / F	T y p e	Time	Analytes															
				V	Z n														
ZZZZZZ			19:59																
ZZZZZZ			20:04																
ZZZZZZ			20:08																
CCV 180-59733/46	1		20:15	X	X														
CCB4 180-59733/47	1		20:23	X	X														
ZZZZZZ			20:28																
ZZZZZZ			20:32																
ZZZZZZ			20:36																
ZZZZZZ			20:40																
ZZZZZZ			20:45																
ZZZZZZ			20:49																
ZZZZZZ			20:53																
ZZZZZZ			20:58																
ZZZZZZ			21:02																
ZZZZZZ			21:06																
CCV 180-59733/58			21:14																
CCB5 180-59733/59			21:21																
ZZZZZZ			21:25																
ZZZZZZ			21:30																
ZZZZZZ			21:34																
ZZZZZZ			21:38																
ZZZZZZ			21:43																
ZZZZZZ			21:47																
ZZZZZZ			21:55																
ZZZZZZ			21:59																
ZZZZZZ			22:04																
ZZZZZZ			22:08																
CCV 180-59733/70			22:15																
CCB6 180-59733/71			22:23																
ZZZZZZ			22:27																
ZZZZZZ			22:32																
ZZZZZZ			22:36																
ZZZZZZ			22:40																
ZZZZZZ			22:45																
ZZZZZZ			22:49																
ZZZZZZ			22:53																
ZZZZZZ			22:58																
ZZZZZZ			23:02																
ZZZZZZ			23:06																
CCV 180-59733/82			23:14																
CCB7 180-59733/83			23:21																
ZZZZZZ			23:25																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-18703-1

SDG No.: _____

Instrument ID: M Method: 6020/DOD

Start Date: 12/29/2012 15:23 End Date: 12/30/2012 06:17

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				V	Z n																
ZZZZZZ			23:30																		
ZZZZZZ			23:34																		
ZZZZZZ			23:38																		
ZZZZZZ			23:43																		
ZZZZZZ			23:47																		
ZZZZZZ			23:51																		
ZZZZZZ			23:59																		
ZZZZZZ			00:04																		
ZZZZZZ			00:08																		
CCV 180-59733/94			00:15																		
CCB8 180-59733/95			00:22																		
ZZZZZZ			00:27																		
ZZZZZZ			00:31																		
ZZZZZZ			00:35																		
ZZZZZZ			00:40																		
ZZZZZZ			00:44																		
ZZZZZZ			00:48																		
ZZZZZZ			00:53																		
ZZZZZZ			00:57																		
ZZZZZZ			01:01																		
ZZZZZZ			01:06																		
CCV 180-59733/106			01:13																		
CCB9 180-59733/107			01:20																		
ZZZZZZ			01:25																		
ZZZZZZ			01:33																		
ZZZZZZ			01:37																		
ZZZZZZ			01:41																		
ZZZZZZ			01:46																		
ZZZZZZ			01:50																		
ZZZZZZ			01:54																		
ZZZZZZ			01:59																		
ZZZZZZ			02:03																		
ZZZZZZ			02:07																		
CCV 180-59733/118			02:15																		
CCB10 180-59733/119			02:22																		
ZZZZZZ			02:26																		
ZZZZZZ			02:31																		
ZZZZZZ			02:35																		
ZZZZZZ			02:39																		
ZZZZZZ			02:44																		
ZZZZZZ			02:48																		
ZZZZZZ			02:52																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-18703-1

SDG No.: _____

Instrument ID: M Method: 6020/DOD

Start Date: 12/29/2012 15:23 End Date: 12/30/2012 06:17

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				V	Z n																
ZZZZZZ			02:57																		
ZZZZZZ			03:01																		
ZZZZZZ			03:05																		
CCV 180-59733/130			03:13																		
CCB11 180-59733/131			03:20																		
ZZZZZZ			03:24																		
ZZZZZZ			03:29																		
ZZZZZZ			03:33																		
ZZZZZZ			03:37																		
ZZZZZZ			03:42																		
ZZZZZZ			03:46																		
ZZZZZZ			03:54																		
ZZZZZZ			03:59																		
ZZZZZZ			04:03																		
ZZZZZZ			04:07																		
CCV 180-59733/142			04:14																		
CCB12 180-59733/143			04:22																		
ZZZZZZ			04:26																		
ZZZZZZ			04:30																		
ZZZZZZ			04:35																		
ZZZZZZ			04:39																		
ZZZZZZ			04:44																		
ZZZZZZ			04:48																		
ZZZZZZ			04:52																		
ZZZZZZ			04:57																		
ZZZZZZ			05:01																		
ZZZZZZ			05:05																		
CCV 180-59733/154	1		05:13	X	X																
CCB13 180-59733/155	1		05:20	X	X																
ZZZZZZ			05:24																		
ZZZZZZ			05:29																		
CRI 180-59733/158	1		05:45	X	X																
ZZZZZZ			05:49																		
ZZZZZZ			05:53																		
240-18703-9 MS	1	T	05:58	X	X																
240-18703-9 MSD	1	T	06:02	X	X																
CCV 180-59733/163	1		06:09	X	X																
CCB14 180-59733/164	1		06:17	X	X																

Prep Types

T = Total/NA

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

Lab Name: TestAmerica Pittsburgh Job No.: 240-18703-1

SDG No.: _____

ICP-MS Instrument ID: M Start Date: 12/28/2012 End Date: 12/29/2012

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 180-59694/2 IC	22:40	100		100		100		100		100	
STD2 180-59694/3 IC	22:45	106		114		109		97		106	
STD3 180-59694/4 IC	22:50	110		115		114		111		114	
ICV 180-59694/5	22:54	107		111		116		102		106	
ICB 180-59694/6	23:01	100		114		104		103		104	
CRI 180-59694/7	23:06	100		106		99		98		100	
ICSA 180-59694/8	23:10	81		85		86		81		93	
ICSAB 180-59694/9	23:14	81		86		91		82		95	
CCV 180-59694/10	23:21	81		91		95		85		94	
CCB1 180-59694/11	23:29	86		93		96		95		98	
MB 180-59183/1-A	23:33	89		91		94		94		96	
LCS 180-59183/2-A	23:37	86		84		83		80		85	
CCV 180-59694/22	00:19	94		99		93		84		88	
CCB2 180-59694/23	00:27	103		102		96		97		94	
CCV 180-59694/34	01:17	92		92		88		80		82	
CCB3 180-59694/35	01:25	97		94		89		92		89	
240-18703-1	01:51	96		97		0		82		85	
CCV 180-59694/46	02:19	88		92		89		81		81	
CCB4 180-59694/47	02:27	111		107		97		100		88	
CCV 180-59694/58	03:18	92		96		92		82		83	
CCB5 180-59694/59	03:26	104		101		91		92		86	
MB 180-59308/1-A	03:45	107		108		95		96		89	
LCS 180-59308/2-A	03:50	94		85		80		76		77	
LCSD 180-59308/3-A	03:54	98		87		81		77		78	
240-18703-24	03:58	102		90		83		86		81	
240-18703-24 SD	04:03	103		93		86		89		82	
CRI 180-59694/69	04:27	106		96		86		89		82	
CCV 180-59694/70	04:35	96		95		87		80		78	
CCB6 180-59694/71	04:43	112		107		91		91		83	

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

Lab Name: TestAmerica Pittsburgh Job No.: 240-18703-1

SDG No.: _____

ICP-MS Instrument ID: M Start Date: 12/28/2012 End Date: 12/29/2012

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Tb	Q	Element Ho	Q	Element Bi	Q	Element	Q	Element	Q
STD1 180-59694/2 IC	22:40	100		100		100					
STD2 180-59694/3 IC	22:45	106		106		89					
STD3 180-59694/4 IC	22:50	112		111		107					
ICV 180-59694/5	22:54	107		107		92					
ICB 180-59694/6	23:01	104		103		103					
CRI 180-59694/7	23:06	99		99		99					
ICSA 180-59694/8	23:10	93		93		84					
ICSAB 180-59694/9	23:14	95		94		83					
CCV 180-59694/10	23:21	96		96		86					
CCB1 180-59694/11	23:29	99		100		101					
MB 180-59183/1-A	23:33	98		98		100					
LCS 180-59183/2-A	23:37	88		89		79					
CCV 180-59694/22	00:19	88		88		78					
CCB2 180-59694/23	00:27	93		93		95					
CCV 180-59694/34	01:17	85		83		74					
CCB3 180-59694/35	01:25	89		89		94					
240-18703-1	01:51	91		88		73					
CCV 180-59694/46	02:19	81		81		74					
CCB4 180-59694/47	02:27	87		87		93					
CCV 180-59694/58	03:18	82		82		76					
CCB5 180-59694/59	03:26	85		85		92					
MB 180-59308/1-A	03:45	87		87		93					
LCS 180-59308/2-A	03:50	81		81		74					
LCSD 180-59308/3-A	03:54	82		82		73					
240-18703-24	03:58	81		82		85					
240-18703-24 SD	04:03	82		81		87					
CRI 180-59694/69	04:27	81		81		85					
CCV 180-59694/70	04:35	79		78		71					
CCB6 180-59694/71	04:43	81		81		88					

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

Lab Name: TestAmerica Pittsburgh Job No.: 240-18703-1

SDG No.: _____

ICP-MS Instrument ID: M Start Date: 12/29/2012 End Date: 12/30/2012

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 180-59733/2 IC	16:18	100		100		100		100		100	
STD2 180-59733/3 IC	16:23	96		107		106		96		101	
STD3 180-59733/4 IC	16:27	106		115		112		110		111	
ICV 180-59733/5	16:50	94		109		108		96		102	
ICB 180-59733/6	16:58	94		103		107		100		101	
CRI 180-59733/7	17:02	96		104		104		99		100	
ICSA 180-59733/8	17:06	90		94		93		97		98	
ICSAB 180-59733/9	17:10	83		89		110		95		98	
CCV 180-59733/10	17:18	83		96		99		93		95	
CCB1 180-59733/11	17:25	81		98		98		93		95	
MB 180-59442/1-A	17:29	85		92		95		93		95	
LCS 180-59442/2-A	17:33	82		94		95		90		96	
240-18703-8	17:38	80		98		0		88		97	
240-18703-9	17:42	79		98		0		86		94	
240-18703-9 SD	17:46	82		94		110		93		98	
240-18703-9 MS	17:51	76		100		0		84		92	
240-18703-9 MSD	17:55	74		99		0		83		93	
240-18703-9 PDS	17:59	75		94		0		78		93	
240-18703-10	18:03	76		96		0		87		95	
240-18703-11	18:08	76		94		0		87		94	
CCV 180-59733/22	18:15	78		94		97		87		93	
CCB2 180-59733/23	18:23	91		98		99		91		92	
240-18703-12	18:27	76		95		0		87		95	
240-18703-13	18:32	78		93		0		85		92	
240-18703-14	18:36	76		89		0		84		91	
240-18703-15	18:40	72		87		0		81		88	
240-18703-16	18:44	75		87		0		84		90	
240-18703-17	18:49	74		91		0		81		90	
240-18703-18	18:53	69		86		0		78		86	
240-18703-19	18:57	72		87		0		79		86	
240-18703-20	19:02	71		83		0		78		86	
240-18703-21	19:06	71		83		0		77		85	
CCV 180-59733/34	19:13	73		85		89		80		86	
CCB3 180-59733/35	19:21	85		88		86		86		87	
240-18703-22	19:26	74		90		0		81		88	
240-18703-23	19:30	69		86		0		76		85	
CCV 180-59733/46	20:15	102		106		100		90		94	
CCB4 180-59733/47	20:23	107		113		100		96		94	
CCV 180-59733/154	05:13	87		95		92		86		86	
CCB13 180-59733/155	05:20	89		96		91		94		89	
CRI 180-59733/158	05:45	92		100		94		97		91	
240-18703-9	05:49	78		75		0		71		74	

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

Lab Name: TestAmerica Pittsburgh Job No.: 240-18703-1

SDG No.: _____

ICP-MS Instrument ID: M Start Date: 12/29/2012 End Date: 12/30/2012

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
240-18703-9 MS	05:58	71		71		0		59		70	
240-18703-9 MSD	06:02	69		69		0		60		68	
CCV 180-59733/163	06:09	85		90		86		82		83	
CCB14 180-59733/164	06:17	91		98		92		92		85	

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

Lab Name: TestAmerica Pittsburgh Job No.: 240-18703-1

SDG No.: _____

ICP-MS Instrument ID: M Start Date: 12/29/2012 End Date: 12/30/2012

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Tb	Q	Element Ho	Q	Element Bi	Q	Element	Q	Element	Q
STD1 180-59733/2 IC	16:18	100		100		100					
STD2 180-59733/3 IC	16:23	102		102		89					
STD3 180-59733/4 IC	16:27	108		108		103					
ICV 180-59733/5	16:50	103		103		94					
ICB 180-59733/6	16:58	100		100		100					
CRI 180-59733/7	17:02	100		100		99					
ICSA 180-59733/8	17:06	94		94		88					
ICSAB 180-59733/9	17:10	97		96		89					
CCV 180-59733/10	17:18	99		100		89					
CCB1 180-59733/11	17:25	97		98		99					
MB 180-59442/1-A	17:29	98		98		100					
LCS 180-59442/2-A	17:33	102		103		87					
240-18703-8	17:38	106		105		85					
240-18703-9	17:42	104		102		81					
240-18703-9 SD	17:46	102		102		91					
240-18703-9 MS	17:51	104		100		77					
240-18703-9 MSD	17:55	102		100		78					
240-18703-9 PDS	17:59	102		100		80					
240-18703-10	18:03	105		103		83					
240-18703-11	18:08	103		102		83					
CCV 180-59733/22	18:15	97		97		87					
CCB2 180-59733/23	18:23	94		95		98					
240-18703-12	18:27	102		101		85					
240-18703-13	18:32	100		99		83					
240-18703-14	18:36	99		98		84					
240-18703-15	18:40	97		96		80					
240-18703-16	18:44	97		96		84					
240-18703-17	18:49	98		97		80					
240-18703-18	18:53	96		94		78					
240-18703-19	18:57	94		93		79					
240-18703-20	19:02	93		92		79					
240-18703-21	19:06	91		91		79					
CCV 180-59733/34	19:13	90		91		84					
CCB3 180-59733/35	19:21	89		90		94					
240-18703-22	19:26	96		94		80					
240-18703-23	19:30	94		93		77					
CCV 180-59733/46	20:15	95		95		85					
CCB4 180-59733/47	20:23	93		94		96					
CCV 180-59733/154	05:13	90		90		85					
CCB13 180-59733/155	05:20	90		90		97					
CRI 180-59733/158	05:45	91		90		98					
240-18703-9	05:49	87		85		72					

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

Lab Name: TestAmerica Pittsburgh Job No.: 240-18703-1

SDG No.: _____

ICP-MS Instrument ID: M Start Date: 12/29/2012 End Date: 12/30/2012

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Tb	Q	Element Ho	Q	Element Bi	Q	Element	Q	Element	Q
240-18703-9 MS	05:58	82		80		66					
240-18703-9 MSD	06:02	80		78		65					
CCV 180-59733/163	06:09	87		88		84					
CCB14 180-59733/164	06:17	88		88		97					

TestAmerica North Canton Hg Data Review Checklist

Run/Project Information:

Circle Methods used: 7470A / 245.1 : 7471:
 Run Date: 12/29/12 Analyst: DSH Instrument: H1

Review Items

A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Instrument calibrated per manufacturer's instructions and at SOP specified levels?	✓			
2. ICV/CCV analyzed at appropriate frequency and within control limits?	✓			
3. ICB/CCB analyzed at appropriate frequency and within +/- RL?	✓			
4. CRA run?	✓			
B. Sample Results				
1. Were samples with concentrations > high calibration standard diluted and reanalyzed?	✓			
2. All reported results bracketed by in control QC?	✓			
3. Sample analyses done within holding time?	✓			
C. Preparation/ Matrix QC				
1. LCS done per prep batch and within QC limits?	✓			
2. Method blank done per prep batch and < RL?	✓			
3. MS run at required frequency and within limits?	✓			
4. MSD or DU run at required frequency and RPD within SOP limits?	✓			
D. Other				
1. Are all nonconformances documented appropriately?	28773		✓	
2. Current IDL/MDL data on file?	✓			
3. Calculations and Transcription checked for error?	✓			
4. All client/project specific requirements met?	✓			
5. Date of analysis verified as correct?	✓			

Level I

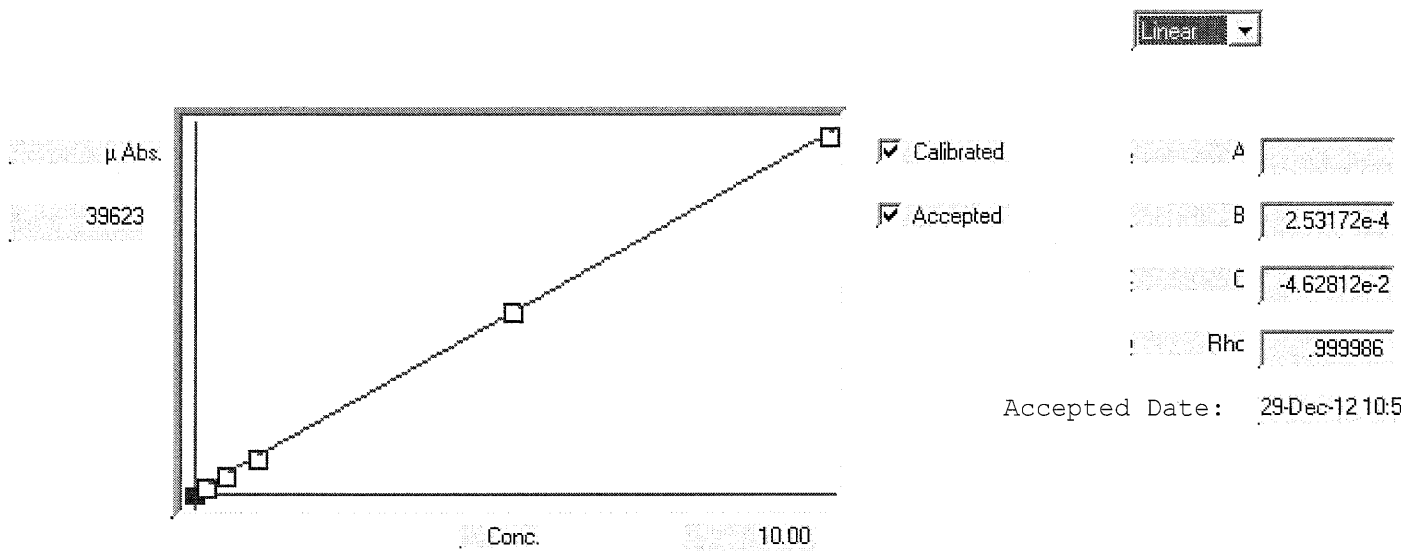
Analyst: [Signature] Date/Time: 12/31/12 Reviewed from 10:42 to 15:44
 Analyst: _____ Date/Time: _____ Reviewed from _____ to _____
 Comments: Batch # 70694 DOD lines 12-19

Level II

Reviewer: _____ Date/Time: _____ Reviewed from _____ to _____
 Reviewer: _____ Date/Time: _____ Reviewed from _____ to _____
 Comments: _____

Curve Date 12/28/12 Curve Time 9:20 - 11:20 DILUTION H20 0.002
 Revised 11/29/2012

Protocol: 1229AHG1



S	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
01	.00000	.0183	.0183	256	1	255				
02	.20000	.1904	-.0096	935	0%	935				
03	.50000	.4780	-.0220	2072	0%	2071				
04	1.0000	.9950	-.0050	4114	0%	4113				
05	5.0000	5.033	.0334	20065	0%	20064				
06	10.000	9.985	-.0151	39622	0%	39622				
07										
08										
09										
10										

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Standard: 1 Rep: 1				Seq: 1		10:42:38	29 Dec 12	HG
Hg	.0000	ppb	255					
*** Standard: 2 Rep: 1				Seq: 2		10:44:11	29 Dec 12	HG
Hg	.2000	ppb	935					
*** Standard: 3 Rep: 1				Seq: 3		10:45:40	29 Dec 12	HG
Hg	.5000	ppb	2071					
*** Standard: 4 Rep: 1				Seq: 4		10:47:37	29 Dec 12	HG
Hg	1.000	ppb	4113					
*** Standard: 5 Rep: 1				Seq: 5		10:49:28	29 Dec 12	HG
Hg	5.000	ppb	20064					
*** Standard: 6 Rep: 1				Seq: 6		10:50:56	29 Dec 12	HG
Hg	10.00	ppb	39622					
*** Check Standard: 2 Ck2ICV				Seq: 7		10:52:14	29 Dec 12	HG
Line Flag %Rcv. Found True Units						SD/RSD		
Hg	93.04		2.326	2.500	ppb	.0000		
*** Check Standard: 3 Ck3ICB				Seq: 8		10:53:51	29 Dec 12	HG
Line Flag %Rcv. Found True Units						SD/RSD		
Hg	^^^^^		-.0286	.0000	ppb	.0000		
*** Check Standard: 4 Ck4CRA\MRL				Seq: 9		10:55:12	29 Dec 12	HG
Line Flag %Rcv. Found True Units						SD/RSD		
Hg	91.67		.1833	.2000	ppb	.0000		
*** Check Standard: 6 Ck6CCV				Seq: 10		11:56:29	29 Dec 12	HG
Line Flag %Rcv. Found True Units						SD/RSD		
Hg	99.24		4.962	5.000	ppb	.0000		
*** Check Standard: 1 Ck1CCB				Seq: 11		11:57:53	29 Dec 12	HG
Line Flag Found Range(+/-) Units						SD/RSD		
Hg	-.0237		.2000		ppb	.0000		
*** Sample ID:				Seq: 12		11:59:09	29 Dec 12	HG
Hg	.0008	ppb	.0000	.0008				
*** Sample ID:				Seq: 13		12:00:37	29 Dec 12	HG
Hg	4.891	ppb	.0000	4.891				
*** Sample ID:				Seq: 14		12:02:15	29 Dec 12	HG
Hg	.0127	ppb	.0000	.0127				
*** Sample ID:				Seq: 15		12:03:44	29 Dec 12	HG
Hg	.9920	ppb	.0000	.9920				
*** Sample ID:				Seq: 16		12:05:15	29 Dec 12	HG
Hg	.9986	ppb	.0000	.9986				

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: Seq: 17 12:06:45 29 Dec 12 HG								
Hg	-0.0032	ppb	.0000	-0.0032	240-18703-V-24-A			
*** Sample ID: Seq: 18 12:08:41 29 Dec 12 HG								
Hg	-0.0012	ppb	.0000	-0.0012	240-18735-S-4-A			
*** Sample ID: Seq: 19 12:10:47 29 Dec 12 HG								
Hg	-0.0007	ppb	.0000	-0.0007	240-18735-S-3-A			
*** Sample ID: Seq: 20 12:12:08 29 Dec 12 HG								
Hg	.2165	ppb	.0000	.2165	cra			
*** Sample ID: Seq: 21 12:13:29 29 Dec 12 HG								
Hg	-0.0081	ppb	.0000	-0.0081	LB 240-70426/1-D			
*** Check Standard: 6 Ck6CCV Seq: 22 12:14:48 29 Dec 12 HG								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		98.83	4.941	5.000	ppb	.0000		
*** Check Standard: 1 Ck1CCB Seq: 23 12:16:05 29 Dec 12 HG								
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-0.0513	.2000	ppb	.0000			
*** Sample ID: Seq: 24 12:17:21 29 Dec 12 HG								
Hg	-0.0096	ppb	.0000	-0.0096	MB 240-70482/2-A			
*** Sample ID: Seq: 25 12:19:07 29 Dec 12 HG								
Hg	4.680	ppb	.0000	4.680	LCS 240-70482/3-A			
*** Sample ID: Seq: 26 12:20:33 29 Dec 12 HG								
Hg	.0056	ppb	.0000	.0056	240-18972-Z-1-F			
*** Sample ID: Seq: 27 12:21:52 29 Dec 12 HG								
Hg	4.681	ppb	.0000	4.681	240-18972-Z-1-G MS			
*** Sample ID: Seq: 28 12:23:32 29 Dec 12 HG								
Hg	4.703	ppb	.0000	4.703	240-18972-Z-1-H MSD			
*** Sample ID: Seq: 29 12:24:58 29 Dec 12 HG								
Hg	.0028	ppb	.0000	.0028	LB 240-70215/1-E			
*** Sample ID: Seq: 30 12:26:52 29 Dec 12 HG								
Hg	.0102	ppb	.0000	.0102	MB 240-70288/2-A			
*** Sample ID: Seq: 31 12:28:08 29 Dec 12 HG								
Hg	4.421	ppb	.0000	4.421	LCS 240-70288/3-A			
*** Sample ID: Seq: 32 12:30:39 29 Dec 12 HG								
Hg	.0623	ppb	.0000	.0623	240-17699-A-1-F			

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID:				Seq: 33	12:31:57	29 Dec 12	HG	
				240-17699-A-1-G MS				
Hg	5.069	ppb	.0000	5.069				
*** Check Standard: 6	Ck6CCV			Seq: 34	12:33:23	29 Dec 12	HG	
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		99.69	4.985	5.000	ppb	.0000		
*** Check Standard: 1	Ck1CCB			Seq: 35	12:34:51	29 Dec 12	HG	
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.0321	.2000	ppb	.0000			
*** Sample ID:				Seq: 36	12:36:09	29 Dec 12	HG	
				240-17699-A-1-H MSD				
Hg	5.153	ppb	.0000	5.153				
*** Sample ID:				Seq: 37	12:37:36	29 Dec 12	HG	
				240-19131-F-7-E				
Hg	-.0253	ppb	.0000	-.0253				
*** Sample ID:				Seq: 38	12:39:46	29 Dec 12	HG	
				240-19193-B-1-D				
Hg	-.0265	ppb	.0000	-.0265				
*** Sample ID:				Seq: 39	12:41:06	29 Dec 12	HG	
				240-19130-D-3-D				
Hg	.0125	ppb	.0000	.0125				
*** Sample ID:				Seq: 40	12:42:33	29 Dec 12	HG	
				240-19130-B-1-D				
Hg	.0261	ppb	.0000	.0261				
*** Sample ID:				Seq: 41	12:44:10	29 Dec 12	HG	
				240-19098-M-1-D				
Hg	.0689	ppb	.0000	.0689				
*** Sample ID:				Seq: 42	12:45:31	29 Dec 12	HG	
				240-19107-B-3-D				
Hg	-.0005	ppb	.0000	-.0005				
*** Sample ID:				Seq: 43	12:47:10	29 Dec 12	HG	
				240-19107-A-1-D				
Hg	.0193	ppb	.0000	.0193				
*** Sample ID:				Seq: 44	12:49:28	29 Dec 12	HG	
				240-19107-B-2-D				
Hg	-.0164	ppb	.0000	-.0164				
*** Sample ID:				Seq: 45	12:51:07	29 Dec 12	HG	
				240-19130-D-2-D				
Hg	-.0136	ppb	.0000	-.0136				
*** Check Standard: 6	Ck6CCV			Seq: 46	12:52:33	29 Dec 12	HG	
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		98.34	4.917	5.000	ppb	.0000		
*** Check Standard: 1	Ck1CCB			Seq: 47	12:54:11	29 Dec 12	HG	
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.0356	.2000	ppb	.0000			
*** Sample ID:				Seq: 48	12:55:49	29 Dec 12	HG	
				240-18887-B-1-E				
Hg	.0016	ppb	.0000	.0016				

*Closing
CRA (low)
12/31/12*

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

*** Sample ID:				Seq: 49		12:57:40	29 Dec 12	HG
				LB 240-70416/1-D				
Hg	.0112	ppb	.0000	.0112				
*** Sample ID:				Seq: 50		12:59:01	29 Dec 12	HG
				MB 240-70478/2-A				
Hg	-.0427	ppb	.0000	-.0427				
*** Sample ID:				Seq: 51		13:00:21	29 Dec 12	HG
				LCS 240-70478/3-A				
Hg	4.530	ppb	.0000	4.530				
*** Sample ID:				Seq: 52		13:01:41	29 Dec 12	HG
				240-18972-T-2-F				
SX Hg	29.26	H ppb	.0000	29.26				
*** Sample ID:				Seq: 53		13:03:13	29 Dec 12	HG
				240-18972-T-2-G MS				
SX Hg	27.55	H ppb	.0000	27.55				
*** Sample ID:				Seq: 54		13:04:41	29 Dec 12	HG
				240-18972-T-2-H MSD				
SX Hg	29.05	H ppb	.0000	29.05				
*** Sample ID:				Seq: 55		13:06:20	29 Dec 12	HG
				240-19119-A-2-E				
Hg	.1357	ppb	.0000	.1357				
*** Sample ID:				Seq: 56		13:07:40	29 Dec 12	HG
				MB 240-70391/1-A				
Hg	.1347	ppb	.0000	.1347				
*** Sample ID:				Seq: 57		13:09:19	29 Dec 12	HG
				LCS 240-70391/2-A				
Hg	4.633	ppb	.0000	4.633				
*** Check Standard: 6 Ck6CCV				Seq: 58		13:10:38	29 Dec 12	HG
Line Flag %Rcv. Found True Units SD/RSD								
Hg	99.85	4.993	5.000	ppb	.0000			
*** Check Standard: 1 Ck1CCB				Seq: 59		13:12:07	29 Dec 12	HG
Line Flag Found Range(+/-) Units SD/RSD								
Hg	.0109	.2000	ppb	.0000				
*** Check Standard: 6 Ck6CCV				Seq: 60		13:14:44	29 Dec 12	HG
Line Flag %Rcv. Found True Units SD/RSD								
Hg	98.34	4.917	5.000	ppb	.0000			
*** Check Standard: 1 Ck1CCB				Seq: 61		13:16:11	29 Dec 12	HG
Line Flag Found Range(+/-) Units SD/RSD								
Hg	.0152	.2000	ppb	.0000				
*** Sample ID:				Seq: 62		13:17:27	29 Dec 12	HG
				240-18839-X-3-A				
Hg	.0768	ppb	.0000	.0768				
*** Sample ID:				Seq: 63		13:18:46	29 Dec 12	HG
				240-18839-X-3-B MS				
Hg	.9039	ppb	.0000	.9039				
*** Sample ID:				Seq: 64		13:20:02	29 Dec 12	HG
				240-18839-X-3-C MSD				
Hg	.9368	ppb	.0000	.9368				

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

*** Sample ID:				Seq: 65		13:21:51	29 Dec 12	HG
				240-18839-Y-3-A				
Hg	.0347	ppb	.0000	.0347				
*** Sample ID:				Seq: 66		13:23:10	29 Dec 12	HG
				240-18839-Y-3-C MSD				
Hg	.8267	ppb	.0000	.8267				
*** Sample ID:				Seq: 67		13:24:49	29 Dec 12	HG
				240-18839-Y-3-B MS				
Hg	.8922	ppb	.0000	.8922				
*** Sample ID:				Seq: 68		13:26:49	29 Dec 12	HG
				240-18839-C-4-A				
Hg	.0137	ppb	.0000	.0137				
*** Sample ID:				Seq: 69		13:28:07	29 Dec 12	HG
				240-18764-G-9-B				
Hg	.0023	ppb	.0000	.0023				
*** Sample ID:				Seq: 70		13:29:46	29 Dec 12	HG
				240-18764-D-5-B				
Hg	.0082	ppb	.0000	.0082				
*** Sample ID:				Seq: 71		13:31:06	29 Dec 12	HG
				240-18839-D-4-A				
Hg	.0200	ppb	.0000	.0200				
*** Check Standard: 6	Ck6CCV			Seq: 72		13:32:23	29 Dec 12	HG
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		98.69	4.935	5.000	ppb	.0000		
*** Check Standard: 1	Ck1CCB			Seq: 73		13:33:40	29 Dec 12	HG
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.0341	.2000	ppb	.0000			
*** Sample ID:				Seq: 74		13:36:27	29 Dec 12	HG
				240-18839-I-6-A				
Hg	-.0012	ppb	.0000	-.0012				
*** Sample ID:				Seq: 75		13:37:45	29 Dec 12	HG
				240-19187-A-4-B				
Hg	.0259	ppb	.0000	.0259				
*** Sample ID:				Seq: 76		13:39:15	29 Dec 12	HG
				240-18839-I-5-A				
Hg	.0249	ppb	.0000	.0249				
*** Sample ID:				Seq: 77		13:40:33	29 Dec 12	HG
				240-18839-J-5-A				
Hg	-.0111	ppb	.0000	-.0111				
*** Sample ID:				Seq: 78		13:42:22	29 Dec 12	HG
				240-18764-G-8-B				
Hg	.0008	ppb	.0000	.0008				
*** Sample ID:				Seq: 79		13:44:00	29 Dec 12	HG
				240-18839-C-1-B				
Hg	.0064	ppb	.0000	.0064				
*** Sample ID:				Seq: 80		13:45:47	29 Dec 12	HG
				240-19187-A-7-B				
Hg	.0775	ppb	.0000	.0775				

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: Seq: 81 13:47:06 29 Dec 12 HG								
				240-19187-A-2-B				
Hg	.0114	ppb	.0000	.0114				
*** Sample ID: Seq: 82 13:48:52 29 Dec 12 HG								
				240-19084-I-1-A				
Hg	-.0037	ppb	.0000	-.0037				
*** Sample ID: Seq: 83 13:50:09 29 Dec 12 HG								
				240-18839-D-2-B				
Hg	.0127	ppb	.0000	.0127				
*** Check Standard: 6 Ck6CCV Seq: 84 13:51:46 29 Dec 12 HG								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		98.85	4.943	5.000	ppb	.0000		
*** Check Standard: 1 Ck1CCB Seq: 85 13:53:08 29 Dec 12 HG								
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.0313	.2000	ppb	.0000			
*** Sample ID: Seq: 86 13:54:54 29 Dec 12 HG								
				240-18764-D-10-B				
Hg	.0066	ppb	.0000	.0066				
*** Sample ID: Seq: 87 13:56:43 29 Dec 12 HG								
				240-18764-D-6-B				
Hg	.0071	ppb	.0000	.0071				
*** Sample ID: Seq: 88 13:58:05 29 Dec 12 HG								
				240-18839-J-6-A				
Hg	-.0050	ppb	.0000	-.0050				
*** Sample ID: Seq: 89 13:59:47 29 Dec 12 HG								
				240-18764-G-7-B				
Hg	.0132	ppb	.0000	.0132				
*** Sample ID: Seq: 90 14:01:18 29 Dec 12 HG								
				240-18972-T-2-F@5				
10X Hg	15.54 H	ppb	.0000	15.54				
*** Sample ID: Seq: 91 14:03:16 29 Dec 12 HG								
				240-18972-T-2-GMS@5				
10X Hg	16.10 H	ppb	.0000	16.10				
*** Sample ID: Seq: 92 14:04:46 29 Dec 12 HG								
				240-18972-T-2-HMSD@5				
10X Hg	15.74 H	ppb	.0000	15.74				
*** Sample ID: Seq: 93 14:06:02 29 Dec 12 HG								
				cra				
Hg	.1069	ppb	.0000	.1069				
*** Check Standard: 6 Ck6CCV Seq: 94 14:07:31 29 Dec 12 HG								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		98.94	4.947	5.000	ppb	.0000		
*** Check Standard: 1 Ck1CCB Seq: 95 14:08:48 29 Dec 12 HG								
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.0215	.2000	ppb	.0000			
*** Check Standard: 6 Ck6CCV Seq: 96 14:10:21 29 Dec 12 HG								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		99.23	4.961	5.000	ppb	.0000		

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Check Standard: 1 Ck1CCB Seq: 97 14:11:36 29 Dec 12 HG								
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.0281	.2000	ppb	.0000			
*** Sample ID: Seq: 98 14:13:24 29 Dec 12 HG								
				MB 240-70547/1-A				
Hg		.0190		ppb	.0000 .0190			
*** Sample ID: Seq: 99 14:14:38 29 Dec 12 HG								
				LCS 240-70547/2-A				
Hg		5.576		ppb	.0000 5.576			
*** Sample ID: Seq: 100 14:16:16 29 Dec 12 HG								
				240-18839-C-7-B				
Hg		.0350		ppb	.0000 .0350			
*** Sample ID: Seq: 101 14:17:36 29 Dec 12 HG								
				240-18839-C-7-C MS				
Hg		1.022		ppb	.0000 1.022			
*** Sample ID: Seq: 102 14:19:02 29 Dec 12 HG								
				240-18839-C-7-D MSD				
Hg		.9892		ppb	.0000 .9892			
*** Sample ID: Seq: 103 14:20:33 29 Dec 12 HG								
				240-18839-I-8-B				
Hg		.0390		ppb	.0000 .0390			
*** Sample ID: Seq: 104 14:21:49 29 Dec 12 HG								
				240-18839-J-8-B				
Hg		.0079		ppb	.0000 .0079			
*** Sample ID: Seq: 105 14:23:06 29 Dec 12 HG								
				240-19282-B-2-A				
Hg		.0107		ppb	.0000 .0107			
*** Sample ID: Seq: 106 14:24:22 29 Dec 12 HG								
				240-19084-I-3-A				
Hg		.0454		ppb	.0000 .0454			
*** Sample ID: Seq: 107 14:25:43 29 Dec 12 HG								
				240-19230-N-2-B				
Hg		.0084		ppb	.0000 .0084			
*** Check Standard: 6 Ck6CCV Seq: 108 14:27:03 29 Dec 12 HG								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		99.71	4.985	5.000	ppb	.0000		
*** Check Standard: 1 Ck1CCB Seq: 109 14:29:00 29 Dec 12 HG								
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.0096	.2000	ppb	.0000			
*** Sample ID: Seq: 110 14:30:39 29 Dec 12 HG								
				240-19286-A-1-A				
Hg		-.0075		ppb	.0000 -.0075			
*** Sample ID: Seq: 111 14:32:02 29 Dec 12 HG								
				240-19230-N-4-B				
Hg		-.0083		ppb	.0000 -.0083			
*** Sample ID: Seq: 112 14:33:27 29 Dec 12 HG								
				240-19240-E-1-A				
Hg		.0355		ppb	.0000 .0355			

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: Seq: 113 14:35:32 29 Dec 12 HG								
				240-19230-N-1-B				
Hg	-0.0167	ppb	.0000	-0.0167				
*** Sample ID: Seq: 114 14:37:09 29 Dec 12 HG								
				240-19230-K-7-B				
Hg	-0.0086	ppb	.0000	-0.0086				
*** Sample ID: Seq: 115 14:38:35 29 Dec 12 HG								
				240-19084-I-6-A				
Hg	-0.0070	ppb	.0000	-0.0070				
*** Sample ID: Seq: 116 14:40:15 29 Dec 12 HG								
				240-19084-I-7-A				
Hg	0.0026	ppb	.0000	0.0026				
*** Sample ID: Seq: 117 14:41:38 29 Dec 12 HG								
				240-19230-K-8-B				
Hg	-0.0050	ppb	.0000	-0.0050				
*** Sample ID: Seq: 118 14:42:58 29 Dec 12 HG								
				240-19084-I-5-A				
Hg	0.0023	ppb	.0000	0.0023				
*** Sample ID: Seq: 119 14:44:16 29 Dec 12 HG								
				240-19230-N-3-B				
Hg	0.0092	ppb	.0000	0.0092				
*** Check Standard: 6 Ck6CCV Seq: 120 14:45:32 29 Dec 12 HG								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		98.42	4.921	5.000	ppb	.0000		
*** Check Standard: 1 Ck1CCB Seq: 121 14:47:11 29 Dec 12 HG								
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-0.0121	.2000	ppb	.0000			
*** Sample ID: Seq: 122 14:48:31 29 Dec 12 HG								
				240-19246-A-1-A				
Hg	-0.0022	ppb	.0000	-0.0022				
*** Sample ID: Seq: 123 14:49:58 29 Dec 12 HG								
				240-18839-D-7-B				
Hg	-0.0108	ppb	.0000	-0.0108				
*** Sample ID: Seq: 124 14:51:54 29 Dec 12 HG								
				240-19084-I-2-A				
Hg	-0.0053	ppb	.0000	-0.0053				
*** Sample ID: Seq: 125 14:53:12 29 Dec 12 HG								
				240-19084-I-4-A				
Hg	-0.0010	ppb	.0000	-0.0010				
*** Sample ID: Seq: 126 14:54:28 29 Dec 12 HG								
				MB 240-70548/1-A				
Hg	-0.0022	ppb	.0000	-0.0022				
*** Sample ID: Seq: 127 14:56:08 29 Dec 12 HG								
				LCS 240-70548/2-A				
Hg	5.240	ppb	.0000	5.240				
*** Sample ID: Seq: 128 14:57:29 29 Dec 12 HG								
				240-19198-J-1-A				
Hg	-0.0103	ppb	.0000	-0.0103				

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: Seq: 129 14:58:44 29 Dec 12 HG								
240-19198-J-1-B MS								
Hg	1.035	ppb	.0000	1.035				
*** Sample ID: Seq: 130 15:00:47 29 Dec 12 HG								
240-19198-J-1-C MSD								
Hg	1.053	ppb	.0000	1.053				
*** Sample ID: Seq: 131 15:02:04 29 Dec 12 HG								
240-18925-J-1-A								
Hg	-.0194	ppb	.0000	-.0194				
*** Check Standard: 6 Ck6CCV Seq: 132 15:03:22 29 Dec 12 HG								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		96.84	4.842	5.000	ppb	.0000		
*** Check Standard: 1 Ck1CCB Seq: 133 15:04:40 29 Dec 12 HG								
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.0108	.2000	ppb	.0000			
*** Sample ID: Seq: 134 15:06:18 29 Dec 12 HG								
240-19338-G-4-A								
Hg	.0011	ppb	.0000	.0011				
*** Sample ID: Seq: 135 15:07:35 29 Dec 12 HG								
240-18925-I-1-A								
Hg	.0036	ppb	.0000	.0036				
*** Sample ID: Seq: 136 15:09:05 29 Dec 12 HG								
240-19338-G-5-A								
Hg	.1793	ppb	.0000	.1793				
*** Sample ID: Seq: 137 15:11:03 29 Dec 12 HG								
240-19180-A-2-A								
Hg	.0140	ppb	.0000	.0140				
*** Sample ID: Seq: 138 15:12:19 29 Dec 12 HG								
240-19338-G-1-A								
Hg	-.0162	ppb	.0000	-.0162				
*** Sample ID: Seq: 139 15:13:35 29 Dec 12 HG								
240-19338-G-6-A								
Hg	.0140	ppb	.0000	.0140				
*** Sample ID: Seq: 140 15:14:51 29 Dec 12 HG								
240-19255-A-13-B								
Hg	-.0010	ppb	.0000	-.0010				
*** Sample ID: Seq: 141 15:16:28 29 Dec 12 HG								
240-19338-G-2-A								
Hg	-.0162	ppb	.0000	-.0162				
*** Sample ID: Seq: 142 15:17:54 29 Dec 12 HG								
240-19306-C-1-A								
Hg	.0897	ppb	.0000	.0897				
*** Sample ID: Seq: 143 15:19:15 29 Dec 12 HG								
240-19180-A-6-A								
Hg	.0076	ppb	.0000	.0076				
*** Check Standard: 6 Ck6CCV Seq: 144 15:21:03 29 Dec 12 HG								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		95.25	4.763	5.000	ppb	.0000		

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Check Standard: 1 Ck1CCB Seq: 145 15:22:32 29 Dec 12 HG								
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.0407	.2000	ppb	.0000			
*** Sample ID: Seq: 146 15:24:00 29 Dec 12 HG								
			240-19180-A-4-A					
Hg		-.0045	ppb	.0000	-.0045			
*** Sample ID: Seq: 147 15:25:27 29 Dec 12 HG								
			240-19212-I-1-A					
Hg		.0135	ppb	.0000	.0135			
*** Sample ID: Seq: 148 15:26:46 29 Dec 12 HG								
			240-18925-C-2-A					
Hg		.0145	ppb	.0000	.0145			
*** Sample ID: Seq: 149 15:28:23 29 Dec 12 HG								
			240-18925-D-2-A					
Hg		-.0032	ppb	.0000	-.0032			
*** Sample ID: Seq: 150 15:30:16 29 Dec 12 HG								
			240-19180-A-10-A					
Hg		.0163	ppb	.0000	.0163			
*** Sample ID: Seq: 151 15:31:32 29 Dec 12 HG								
			240-19338-G-3-A					
Hg		.0033	ppb	.0000	.0033			
*** Sample ID: Seq: 152 15:32:58 29 Dec 12 HG								
			240-19180-A-8-A					
Hg		-.0151	ppb	.0000	-.0151			
*** Sample ID: Seq: 153 15:34:17 29 Dec 12 HG								
			240-18983-A-1-A					
Hg		.0142	ppb	.0000	.0142			
*** Sample ID: Seq: 154 15:35:45 29 Dec 12 HG								
			240-18972-T-2-F@10					
Hg		10.78 H	ppb	.0000	10.78			
*** Sample ID: Seq: 155 15:37:03 29 Dec 12 HG								
			240-18972-T-2-GMS@10					
Hg		11.11 H	ppb	.0000	11.11			
*** Check Standard: 6 Ck6CCV Seq: 156 15:38:30 29 Dec 12 HG								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		96.78	4.839	5.000	ppb	.0000		
*** Check Standard: 1 Ck1CCB Seq: 157 15:39:47 29 Dec 12 HG								
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.0291	.2000	ppb	.0000			
*** Sample ID: Seq: 158 15:41:47 29 Dec 12 HG								
			240-18972-T-2- MSD@1					
Hg		10.98 H	ppb	.0000	10.98			
*** Check Standard: 6 Ck6CCV Seq: 159 15:43:14 29 Dec 12 HG								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		96.39	4.819	5.000	ppb	.0000		
*** Check Standard: 1 Ck1CCB Seq: 160 15:44:40 29 Dec 12 HG								
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.0141	.2000	ppb	.0000			

TestAmerica North Canton Hg Data Review Checklist

Run/Project Information:

Circle Methods used: 7470A / 245.1 :

(7471:

Run Date: 12/18/12

Analyst:

DG/H

Instrument:

H4

Review Items

A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Instrument calibrated per manufacturer's instructions and at SOP specified levels?	✓			✓
2. ICV/CCV analyzed at appropriate frequency and within control limits?	✓			✓
3. ICB/CCB analyzed at appropriate frequency and within +/- RL?	✓			✓
4. CRA run?	✓			✓
B. Sample Results				
1. Were samples with concentrations > high calibration standard diluted and reanalyzed?	✓			✓
2. All reported results bracketed by in control QC?	✓			✓
3. Sample analyses done within holding time?	✓			✓
C. Preparation/ Matrix QC				
1. LCS done per prep batch and within QC limits?	✓			✓
2. Method blank done per prep batch and < RL?	✓			✓
3. MS run at required frequency and within limits?	✓			✓
4. MSD or DU run at required frequency and RPD within SOP limits?	✓			✓
D. Other				
1. Are all nonconformances documented appropriately?			✓	✓
2. Current IDL/MDL data on file?	✓			✓
3. Calculations and Transcription checked for error?	✓			✓
4. All client/project specific requirements met?	✓			✓
5. Date of analysis verified as correct?	✓			✓

Level I

Analyst:

[Signature]

Date/Time:

12/19/12

Reviewed from 9:15 to 18:25

Analyst:

Date/Time:

Reviewed from to

Comments:

Batch #69324

[Signature] Pre Batch #69021 in DOD/CG
12/19/12

Level II

Reviewer:

[Signature]

Date/Time:

12/19/12

Reviewed from 9:15 to 18:25

Reviewer:

Date/Time:

Reviewed from to

Comments

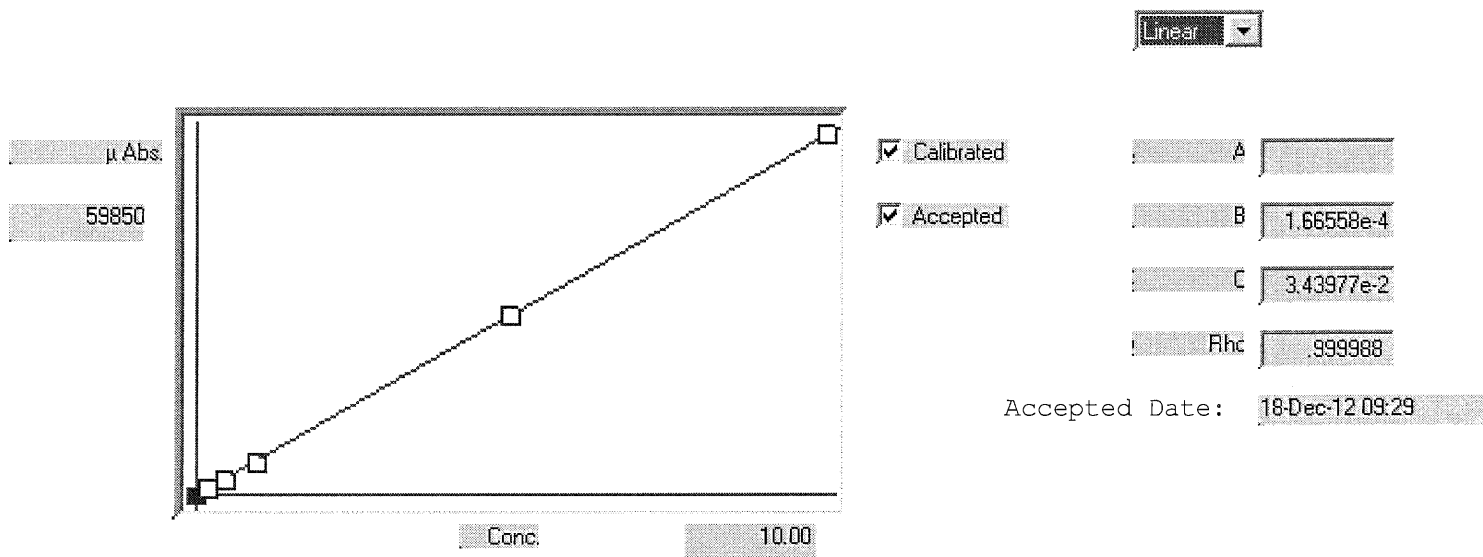
Curve Date 12/17/12

Curve Time 9:51-10:21

DILUTION H20 00012

Revised 11/29/2012

Protocol: 1218AHG4



S	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
01	.00000	.0367	.0367	14	0	14				
02	.20000	.1943	-.0057	961	0%	960				
03	.50000	.4828	-.0172	2693	0%	2692				
04	1.0000	.9844	-.0156	5705	0%	5704				
05	5.0000	4.999	-.0012	29807	0%	29806				
06	10.000	10.00	.0029	59851	0%	59850				
07										
08										
09										
10										

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

*** Standard: 1 Rep: 1				Seq: 1		09:15:59	18 Dec 12	HG
Hg	.0000	ppb	14					
*** Standard: 2 Rep: 1				Seq: 2		09:18:08	18 Dec 12	HG
Hg	.2000	ppb	960					
*** Standard: 3 Rep: 1				Seq: 3		09:19:58	18 Dec 12	HG
Hg	.5000	ppb	2692					
*** Standard: 4 Rep: 1				Seq: 4		09:23:10	18 Dec 12	HG
Hg	1.000	ppb	5704					
*** Standard: 5 Rep: 1				Seq: 5		09:25:12	18 Dec 12	HG
Hg	5.000	ppb	29806					
*** Standard: 6 Rep: 1				Seq: 6		09:27:26	18 Dec 12	HG
Hg	10.00	ppb	59850					
*** Check Standard: 2 Ck2ICV				Seq: 7		09:31:41	18 Dec 12	HG
Line Flag %Rcv. Found True Units						SD/RSD		
Hg		94.34	2.358	2.500	ppb	.0000		
*** Check Standard: 3 Ck3ICB				Seq: 8		09:34:34	18 Dec 12	HG
Line Flag %Rcv. Found True Units						SD/RSD		
Hg		^^^^^	.0321	.0000	ppb	.0000		
*** Check Standard: 4 Ck4CRA\MRL				Seq: 9		09:36:52	18 Dec 12	HG
Line Flag %Rcv. Found True Units						SD/RSD		
Hg		94.73	.1895	.2000	ppb	.0000		
*** Check Standard: 6 Ck6CCV				Seq: 10		10:19:13	18 Dec 12	HG
Line Flag %Rcv. Found True Units						SD/RSD		
Hg		99.93	4.997	5.000	ppb	.0000		
*** Check Standard: 1 Ck1CCB				Seq: 11		10:21:04	18 Dec 12	HG
Line Flag Found Range(+/-) Units						SD/RSD		
Hg		-.0171	.6000		ppb	.0000		
*** Sample ID:				Seq: 12		10:23:02	18 Dec 12	HG
						mb 240-68994/1-a		
Hg	.0296	ppb	.0000	.0296				
*** Sample ID:				Seq: 13		10:25:32	18 Dec 12	HG
						lcs 240-68994/2-a		
Hg	4.742	ppb	.0000	4.742				
*** Sample ID:				Seq: 14		10:27:24	18 Dec 12	HG
						240-18894-b-1-f		
Hg	14.80	H ppb	.0000	14.80				
*** Sample ID:				Seq: 15		10:29:14	18 Dec 12	HG
						240-18894-b-1-g ms		
Hg	17.02	H ppb	.0000	17.02				
*** Sample ID:				Seq: 16		10:31:17	18 Dec 12	HG
						240-18894-b-1-h msd		
Hg	16.58	H ppb	.0000	16.58				

2X

I

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

*** Sample ID:				Seq: 17		10:33:18	18 Dec 12	HG
				240-18894-b-10-b				
Hg	2.468	ppb	.0000	2.468				
*** Sample ID:				Seq: 18		10:35:17	18 Dec 12	HG
				240-18810-a-1-a				
Hg	.0171	ppb	.0000	.0171				
*** Sample ID:				Seq: 19		10:37:16	18 Dec 12	HG
				240-18894-b-5-b				
2X Hg	10.49	H ppb	.0000	10.49				
*** Sample ID:				Seq: 20		10:39:07	18 Dec 12	HG
				240-18894-b-2-b				
10X Hg	57.12	H ppb	.0000	57.12				
*** Sample ID:				Seq: 21		10:41:21	18 Dec 12	HG
				240-18894-b-12-b				
Hg	2.529	ppb	.0000	2.529				
*** Check Standard: 6	Ck6CCV			Seq: 22		10:43:14	18 Dec 12	HG
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		102.3	5.114	5.000	ppb	.0000		
*** Check Standard: 1	Ck1CCB			Seq: 23		10:45:08	18 Dec 12	HG
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.0039	.6000	ppb	.0000			
*** Sample ID:				Seq: 24		10:47:17	18 Dec 12	HG
				240-18889-d-10-b				
Hg	.1452	ppb	.0000	.1452				
*** Sample ID:				Seq: 25		10:49:28	18 Dec 12	HG
				240-18889-d-9-b				
Hg	.1383	ppb	.0000	.1383				
*** Sample ID:				Seq: 26		10:51:28	18 Dec 12	HG
				240-18894-b-4-b				
7X Hg	11.71	H ppb	.0000	11.71				
*** Sample ID:				Seq: 27		10:53:32	18 Dec 12	HG
				240-18894-b-13-b				
Hg	5.948	ppb	.0000	5.948				
*** Sample ID:				Seq: 28		10:55:23	18 Dec 12	HG
				240-18894-b-3-b				
5X Hg	21.34	H ppb	.0000	21.34				
*** Sample ID:				Seq: 29		10:57:37	18 Dec 12	HG
				240-18889-d-11-b				
Hg	.0927	ppb	.0000	.0927				
*** Sample ID:				Seq: 30		10:59:26	18 Dec 12	HG
				240-18894-b-14-b				
Hg	7.562	ppb	.0000	7.562				
*** Sample ID:				Seq: 31		11:01:16	18 Dec 12	HG
				240-18889-c-8-b				
Hg	.1108	ppb	.0000	.1108				
*** Sample ID:				Seq: 32		11:03:31	18 Dec 12	HG
				240-18889-d-2-b				
Hg	.1550	ppb	.0000	.1550				

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: Seq: 33 11:05:20 18 Dec 12 HG								
				240-18810-a-2-a				
Hg	.0321	ppb	.0000	.0321				
*** Check Standard: 6 Ck6CCV Seq: 34 11:07:21 18 Dec 12 HG								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		103.6	5.180	5.000	ppb	.0000		
*** Check Standard: 1 Ck1CCB Seq: 35 11:09:14 18 Dec 12 HG								
Line	Flag	Found Range(+/-)		Units	SD/RSD			
Hg		.0024 .6000		ppb	.0000			
*** Sample ID: Seq: 36 11:11:03 18 Dec 12 HG								
				240-18894-b-11-b				
Hg	7.395	ppb	.0000	7.395				
*** Sample ID: Seq: 37 11:12:59 18 Dec 12 HG								
				240-18889-e-1-b				
Hg	.1425	ppb	.0000	.1425				
*** Sample ID: Seq: 38 11:14:57 18 Dec 12 HG								
				460-48265-f-1-m				
Hg	1.564	ppb	.0000	1.564				
*** Sample ID: Seq: 39 11:17:39 18 Dec 12 HG								
				mb 240-69021/1-a				
Hg	.0354	ppb	.0000	.0354				
*** Sample ID: Seq: 40 11:19:57 18 Dec 12 HG								
				lcs 240-69021/2-a				
Hg	4.888	ppb	.0000	4.888				
*** Sample ID: Seq: 41 11:22:17 18 Dec 12 HG								
				240-18544-u-19-e				
Hg	.1686	ppb	.0000	.1686				
*** Sample ID: Seq: 42 11:24:10 18 Dec 12 HG								
				240-18544-u-19-f du				
Hg	.1868	ppb	.0000	.1868				
*** Sample ID: Seq: 43 11:26:01 18 Dec 12 HG								
				240-18544-v-19-d ms				
Hg	1.217	ppb	.0000	1.217				
*** Sample ID: Seq: 44 11:27:50 18 Dec 12 HG								
				240-18581-h-16-b				
Hg	.0752	ppb	.0000	.0752				
*** Sample ID: Seq: 45 11:29:44 18 Dec 12 HG								
				240-18581-h-11-b				
Hg	.0962	ppb	.0000	.0962				
*** Check Standard: 6 Ck6CCV Seq: 46 11:31:31 18 Dec 12 HG								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		103.4	5.169	5.000	ppb	.0000		
*** Check Standard: 1 Ck1CCB Seq: 47 11:33:21 18 Dec 12 HG								
Line	Flag	Found Range(+/-)		Units	SD/RSD			
Hg		-.0102 .6000		ppb	.0000			
*** Sample ID: Seq: 48 11:35:25 18 Dec 12 HG								
				240-18544-e-31-c				
Hg	.1935	ppb	.0000	.1935				

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

*** Sample ID:				Seq: 49		11:37:16	18 Dec 12	HG
				240-18581-h-10-b				
Hg	.0925	ppb	.0000	.0925				
*** Sample ID:				Seq: 50		11:39:16	18 Dec 12	HG
				240-18544-e-26-c				
Hg	.1695	ppb	.0000	.1695				
*** Sample ID:				Seq: 51		11:41:10	18 Dec 12	HG
				240-18544-e-27-c				
Hg	.1678	ppb	.0000	.1678				
*** Sample ID:				Seq: 52		11:43:29	18 Dec 12	HG
				240-18581-h-13-b				
Hg	.0852	ppb	.0000	.0852				
*** Sample ID:				Seq: 53		11:45:19	18 Dec 12	HG
				240-18581-h-15-b				
Hg	.0779	ppb	.0000	.0779				
*** Sample ID:				Seq: 54		11:47:19	18 Dec 12	HG
				240-18581-h-14-b				
Hg	.0924	ppb	.0000	.0924				
*** Sample ID:				Seq: 55		11:49:18	18 Dec 12	HG
				240-18544-e-29-c				
Hg	.1402	ppb	.0000	.1402				
*** Sample ID:				Seq: 56		11:51:40	18 Dec 12	HG
				240-18581-h-9-b				
Hg	.0902	ppb	.0000	.0902				
*** Sample ID:				Seq: 57		11:53:29	18 Dec 12	HG
				240-18544-e-32-c				
Hg	.1557	ppb	.0000	.1557				
*** Check Standard: 6	Ck6CCV			Seq: 58		11:55:38	18 Dec 12	HG
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		104.3	5.214	5.000	ppb	.0000		
*** Check Standard: 1	Ck1CCB			Seq: 59		11:57:26	18 Dec 12	HG
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.0156	.6000	ppb	.0000			
*** Sample ID:				Seq: 60		11:59:46	18 Dec 12	HG
				240-18544-e-28-c				
Hg	.2046	ppb	.0000	.2046				
*** Sample ID:				Seq: 61		12:01:45	18 Dec 12	HG
				240-18703-h-1-b				
Hg	.0812	ppb	.0000	.0812				
*** Sample ID:				Seq: 62		12:03:55	18 Dec 12	HG
				240-18581-h-7-b				
Hg	.0855	ppb	.0000	.0855				
*** Sample ID:				Seq: 63		12:05:57	18 Dec 12	HG
				240-18544-e-34-c				
Hg	.1660	ppb	.0000	.1660				
*** Sample ID:				Seq: 64		12:07:47	18 Dec 12	HG
				240-18581-h-8-b				
Hg	.0995	ppb	.0000	.0995				

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: Seq: 65 12:09:37 18 Dec 12 HG								
240-18544-e-33-c								
Hg	.1978	ppb	.0000	.1978				
*** Sample ID: Seq: 66 12:11:46 18 Dec 12 HG								
240-18544-e-30-c								
Hg	.1435	ppb	.0000	.1435				
*** Sample ID: Seq: 67 12:13:45 18 Dec 12 HG								
CRA								
Hg	.2131	ppb	.0000	.2131				
*** Sample ID: Seq: 68 12:15:55 18 Dec 12 HG								
lb 240-68899/1-c								
Hg	.0411	ppb	.0000	.0411				
*** Sample ID: Seq: 69 12:18:04 18 Dec 12 HG								
mb 240-68992/2-a								
Hg	.0492	ppb	.0000	.0492				
*** Check Standard: 6 Ck6CCV Seq: 70 12:19:54 18 Dec 12 HG								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		103.7	5.185	5.000	ppb	.0000		
*** Check Standard: 1 Ck1CCB Seq: 71 12:21:54 18 Dec 12 HG								
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		.0157	.6000	ppb	.0000			
*** Sample ID: Seq: 72 12:24:32 18 Dec 12 HG								
lcs 240-68992/3-a								
Hg	4.901	ppb	.0000	4.901				
*** Sample ID: Seq: 73 12:26:45 18 Dec 12 HG								
460-48265-f-1-j								
0.1500 Hg	.0775	ppb	.0000	.0775				
*** Sample ID: Seq: 74 12:28:45 18 Dec 12 HG								
460-48265-f-1-k ms								
Hg	4.758	ppb	.0000	4.758				
*** Sample ID: Seq: 75 12:30:55 18 Dec 12 HG								
460-48265-f-1-l msd								
Hg	4.669	ppb	.0000	4.669				
*** Check Standard: 6 Ck6CCV Seq: 76 12:32:56 18 Dec 12 HG								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		102.7	5.134	5.000	ppb	.0000		
*** Check Standard: 1 Ck1CCB Seq: 77 12:34:55 18 Dec 12 HG								
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		.0131	.6000	ppb	.0000			
*** Check Standard: 6 Ck6CCV Seq: 78 14:29:42 18 Dec 12 HG								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		100.0	5.002	5.000	ppb	.0000		
*** Check Standard: 1 Ck1CCB Seq: 79 14:31:42 18 Dec 12 HG								
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		.0142	.6000	ppb	.0000			
*** Sample ID: Seq: 80 14:33:32 18 Dec 12 HG								
mb 240-68738/1-a								
Hg	.0404	ppb	.0000	.0404				

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: Seq: 81 14:35:31 18 Dec 12 HG								
				1cs 240-68738/2-a				
Hg	4.324	ppb	.0000	4.324				
*** Sample ID: Seq: 82 14:37:21 18 Dec 12 HG								
				240-18774-f-1-f				
Hg	2.333	ppb	.0000	.2333				
*** Sample ID: Seq: 83 14:39:18 18 Dec 12 HG								
				240-18774-f-1-g ms				
Hg	1.249	ppb	.0000	1.249				
*** Sample ID: Seq: 84 14:41:06 18 Dec 12 HG								
				240-18774-f-1-h msd				
Hg	1.255	ppb	.0000	1.255				
*** Sample ID: Seq: 85 14:42:59 18 Dec 12 HG								
				240-18774-b-16-b				
Hg	4.031	ppb	.0000	4.031				
*** Sample ID: Seq: 86 14:44:51 18 Dec 12 HG								
				240-18733-d-6-b				
Hg	3.534	ppb	.0000	3.534				
*** Sample ID: Seq: 87 14:46:52 18 Dec 12 HG								
				240-18774-f-2-b				
Hg	.1263	ppb	.0000	.1263				
*** Sample ID: Seq: 88 14:48:41 18 Dec 12 HG								
				240-18774-b-19-b				
200X Hg	202.2	H ppb	.0000	202.2				
*** Sample ID: Seq: 89 14:51:23 18 Dec 12 HG								
				240-18733-d-5-b				
Hg	2.348	ppb	.0000	2.348				
*** Check Standard: 6 Ck6CCV Seq: 90 14:53:12 18 Dec 12 HG								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		103.4	5.171	5.000	ppb	.0000		
*** Check Standard: 1 Ck1CCB Seq: 91 14:55:22 18 Dec 12 HG								
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		.0043	.6000	ppb	.0000			
*** Sample ID: Seq: 92 14:57:15 18 Dec 12 HG								
				240-18774-b-18-b				
Hg	3.871	ppb	.0000	3.871				
*** Sample ID: Seq: 93 14:59:43 18 Dec 12 HG								
				240-18733-c-4-b				
Hg	2.634	ppb	.0000	2.634				
*** Sample ID: Seq: 94 15:01:33 18 Dec 12 HG								
				240-18774-b-12-b				
2X Hg	10.05	H ppb	.0000	10.05				
*** Sample ID: Seq: 95 15:03:21 18 Dec 12 HG								
				240-18774-b-11-b				
Hg	2.040	ppb	.0000	2.040				
*** Sample ID: Seq: 96 15:05:22 18 Dec 12 HG								
				240-18774-b-20-b				
SX Hg	23.40	H ppb	.0000	23.40				

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID:				Seq: 97		15:07:52	18 Dec 12	HG
				240-18733-d-3-b				
Hg	8.638	ppb	.0000	8.638				
*** Sample ID:				Seq: 98		15:10:02	18 Dec 12	HG
				240-18774-b-10-b				
Hg	3.188	ppb	.0000	3.188				
*** Sample ID:				Seq: 99		15:11:53	18 Dec 12	HG
				240-18774-b-15-b				
10x Hg	44.88	H ppb	.0000	44.88				
*** Sample ID:				Seq: 100		15:14:15	18 Dec 12	HG
				240-18774-b-8-b				
Hg	1.235	ppb	.0000	1.235				
*** Sample ID:				Seq: 101		15:16:05	18 Dec 12	HG
				240-18774-b-17-b				
Hg	5.185	ppb	.0000	5.185				
*** Check Standard: 6	Ck6CCV			Seq: 102		15:17:56	18 Dec 12	HG
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		104.4	5.219	5.000	ppb	.0000		
*** Check Standard: 1	Ck1CCB			Seq: 103		15:20:26	18 Dec 12	HG
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		.0294	.6000	ppb	.0000			
*** Sample ID:				Seq: 104		15:23:35	18 Dec 12	HG
				240-18774-b-13-b				
SX Hg	30.75	H ppb	.0000	30.75				
*** Sample ID:				Seq: 105		15:25:40	18 Dec 12	HG
				240-18774-b-9-b				
Hg	1.604	ppb	.0000	1.604				
*** Sample ID:				Seq: 106		15:27:42	18 Dec 12	HG
				240-18774-b-14-b				
SX Hg	22.37	H ppb	.0000	22.37				
*** Sample ID:				Seq: 107		15:30:14	18 Dec 12	HG
				mb 240-68731/1-a				
Hg	.0147	ppb	.0000	.0147				
*** Sample ID:				Seq: 108		15:32:23	18 Dec 12	HG
				lcs 240-68731/2-a				
Hg	4.339	ppb	.0000	4.339				
*** Sample ID:				Seq: 109		15:35:15	18 Dec 12	HG
				240-18733-d-1-d				
Hg	4.160	ppb	.0000	4.160				
*** Sample ID:				Seq: 110		15:37:15	18 Dec 12	HG
				240-18733-d-1-e ms				
Hg	4.732	ppb	.0000	4.732				
*** Sample ID:				Seq: 111		15:39:07	18 Dec 12	HG
				240-18733-d-1-f msd				
Hg	6.052	ppb	.0000	6.052				
*** Sample ID:				Seq: 112		15:40:57	18 Dec 12	HG
				240-18713-e-31-b				
Hg	.0604	ppb	.0000	.0604				

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: Seq: 113 15:42:51 18 Dec 12 HG								
				240-18713-f-48-b				
Hg	.1045	ppb	.0000	.1045				
*** Check Standard: 6 Ck6CCV Seq: 114 15:44:40 18 Dec 12 HG								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		107.7	5.383	5.000	ppb	.0000		
*** Check Standard: 1 Ck1CCB Seq: 115 15:46:38 18 Dec 12 HG								
Line	Flag	Found Range(+/-)		Units	SD/RSD			
Hg		.0142 .6000		ppb	.0000			
*** Sample ID: Seq: 116 15:48:27 18 Dec 12 HG								
				240-18773-e-15-b				
Hg	.1015	ppb	.0000	.1015				
*** Sample ID: Seq: 117 15:50:16 18 Dec 12 HG								
				240-18773-e-24-b				
Hg	.1029	ppb	.0000	.1029				
*** Sample ID: Seq: 118 15:52:12 18 Dec 12 HG								
				240-18773-e-26-b				
Hg	2.060	ppb	.0000	2.060				
*** Sample ID: Seq: 119 15:54:02 18 Dec 12 HG								
				240-18713-b-51-b				
Hg	4.672	ppb	.0000	4.672				
*** Sample ID: Seq: 120 15:55:52 18 Dec 12 HG								
				240-18773-b-17-b				
Hg	.1845	ppb	.0000	.1845				
*** Sample ID: Seq: 121 15:58:13 18 Dec 12 HG								
				240-18773-e-3-b				
Hg	.1453	ppb	.0000	.1453				
*** Sample ID: Seq: 122 16:00:12 18 Dec 12 HG								
				240-18733-d-2-b				
Hg	1.698	ppb	.0000	1.698				
*** Sample ID: Seq: 123 16:02:42 18 Dec 12 HG								
				240-18773-e-1-b				
Hg	.2569	ppb	.0000	.2569				
*** Sample ID: Seq: 124 16:04:54 18 Dec 12 HG								
				240-18773-e-20-b				
Hg	.3652	ppb	.0000	.3652				
*** Sample ID: Seq: 125 16:06:59 18 Dec 12 HG								
				240-18773-f-32-b				
Hg	.1039	ppb	.0000	.1039				
*** Check Standard: 6 Ck6CCV Seq: 126 16:09:12 18 Dec 12 HG								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		107.4	5.371	5.000	ppb	.0000		
*** Check Standard: 1 Ck1CCB Seq: 127 16:11:06 18 Dec 12 HG								
Line	Flag	Found Range(+/-)		Units	SD/RSD			
Hg		.0092 .6000		ppb	.0000			
*** Sample ID: Seq: 128 16:12:55 18 Dec 12 HG								
				240-18773-e-5-b				
Hg	.0979	ppb	.0000	.0979				

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

*** Sample ID:				Seq: 129		16:14:45	18 Dec 12	HG
				240-18713-e-46-b				
Hg	.1448	ppb	.0000	.1448				
*** Sample ID:				Seq: 130		16:16:47	18 Dec 12	HG
				240-18773-e-13-b				
Hg	.1040	ppb	.0000	.1040				
*** Sample ID:				Seq: 131		16:20:11	18 Dec 12	HG
				240-18773-e-22-b				
Hg	.1185	ppb	.0000	.1185				
*** Sample ID:				Seq: 132		16:22:03	18 Dec 12	HG
				240-18773-f-30-b				
Hg	.2942	ppb	.0000	.2942				
*** Sample ID:				Seq: 133		16:23:58	18 Dec 12	HG
				240-18773-f-11-b				
Hg	.1920	ppb	.0000	.1920				
*** Sample ID:				Seq: 134		16:26:28	18 Dec 12	HG
				240-18773-b-27-b				
Hg	.1055	ppb	.0000	.1055				
*** Sample ID:				Seq: 135		16:28:57	18 Dec 12	HG
				mb 240-68723/1-a				
Hg	.0532	ppb	.0000	.0532				
*** Sample ID:				Seq: 136		16:30:59	18 Dec 12	HG
				lcs 240-68723/2-a				
Hg	4.568	ppb	.0000	4.568				
*** Sample ID:				Seq: 137		16:32:53	18 Dec 12	HG
				240-18713-w-20-d				
Hg	6.927	ppb	.0000	6.927				
*** Check Standard: 6	Ck6CCV			Seq: 138		16:34:43	18 Dec 12	HG
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		106.1	5.306	5.000	ppb	.0000		
*** Check Standard: 1	Ck1CCB			Seq: 139		16:36:42	18 Dec 12	HG
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		.0171	.6000	ppb	.0000			
*** Check Standard: 6	Ck6CCV			Seq: 140		16:42:46	18 Dec 12	HG
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		107.6	5.381	5.000	ppb	.0000		
*** Check Standard: 1	Ck1CCB			Seq: 141		16:44:35	18 Dec 12	HG
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.0066	.6000	ppb	.0000			
*** Sample ID:				Seq: 142		16:46:27	18 Dec 12	HG
				240-18713-w-20-e ms				
3X Hg	18.56	H ppb	.0000	18.56				
*** Sample ID:				Seq: 143		16:48:19	18 Dec 12	HG
				240-18713-w-20-f msd				
Hg	8.517	ppb	.0000	8.517				
*** Sample ID:				Seq: 144		16:50:11	18 Dec 12	HG
				240-18713-e-19-b				
Hg	.0466	ppb	.0000	.0466				

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: Seq: 145 16:52:01 18 Dec 12 HG								
				240-18713-e-29-b				
Hg	.0909	ppb	.0000	.0909				
*** Check Standard: 6 Ck6CCV Seq: 146 16:59:40 18 Dec 12 HG								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		107.5	5.375	5.000	ppb	.0000		
*** Check Standard: 1 Ck1CCB Seq: 147 17:01:30 18 Dec 12 HG								
Line	Flag	Found Range(+/-)		Units	SD/RSD			
Hg		-.0067 .6000		ppb	.0000			
*** Sample ID: Seq: 148 17:04:59 18 Dec 12 HG								
				240-18713-h-26-b				
Hg	1.130	ppb	.0000	1.130				
*** Sample ID: Seq: 149 17:07:12 18 Dec 12 HG								
				240-18713-g-13-b				
Hg	4.909	ppb	.0000	4.909				
*** Sample ID: Seq: 150 17:09:01 18 Dec 12 HG								
				240-18713-f-36-b				
Hg	.0639	ppb	.0000	.0639				
*** Sample ID: Seq: 151 17:10:50 18 Dec 12 HG								
				240-18713-e-39-b				
Hg	.1208	ppb	.0000	.1208				
*** Sample ID: Seq: 152 17:12:50 18 Dec 12 HG								
				240-18713-h-38-b				
Hg	6.672	ppb	.0000	6.672				
*** Sample ID: Seq: 153 17:14:43 18 Dec 12 HG								
				240-18713-e-27-b				
Hg	.9530	ppb	.0000	.9530				
*** Sample ID: Seq: 154 17:16:35 18 Dec 12 HG								
				240-18773-e-28-b				
Hg	1.353	ppb	.0000	1.353				
*** Sample ID: Seq: 155 17:18:36 18 Dec 12 HG								
				240-18713-f-44-b				
Hg	.1791	ppb	.0000	.1791				
*** Sample ID: Seq: 156 17:20:30 18 Dec 12 HG								
				240-18713-e-17-b				
Hg	.1075	ppb	.0000	.1075				
*** Sample ID: Seq: 157 17:22:54 18 Dec 12 HG								
				240-18713-e-14-b				
Hg	2.795	ppb	.0000	2.795				
*** Check Standard: 6 Ck6CCV Seq: 158 17:25:36 18 Dec 12 HG								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		108.8	5.441	5.000	ppb	.0000		
*** Check Standard: 1 Ck1CCB Seq: 159 17:27:26 18 Dec 12 HG								
Line	Flag	Found Range(+/-)		Units	SD/RSD			
Hg		-.0024 .6000		ppb	.0000			
*** Sample ID: Seq: 160 17:29:46 18 Dec 12 HG								
				240-18713-f-34-b				
Hg	.1656	ppb	.0000	.1656				

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

*** Sample ID:				Seq: 161	17:31:38	18	Dec 12	HG
				240-18713-e-43-b				
Hg	1.175	ppb	.0000	.1175				
*** Sample ID:				Seq: 162	17:33:49	18	Dec 12	HG
				240-18713-e-22-b				
Hg	1.020	ppb	.0000	1.020				
*** Sample ID:				Seq: 163	17:36:40	18	Dec 12	HG
				240-18713-e-32-b				
Hg	1.309	ppb	.0000	1.309				
*** Sample ID:				Seq: 164	17:38:44	18	Dec 12	HG
				240-18713-f-24-b				
Hg	1.165	ppb	.0000	.1165				
*** Sample ID:				Seq: 165	17:40:46	18	Dec 12	HG
				240-18713-e-41-b				
Hg	1.1463	ppb	.0000	.1463				
*** Sample ID:				Seq: 166	17:42:36	18	Dec 12	HG
				240-18713-f-15-b				
Hg	3.384	ppb	.0000	3.384				
*** Sample ID:				Seq: 167	17:44:59	18	Dec 12	HG
				240-18894-b-1-f@3				
Hg	5.264	ppb	.0000	5.264				
*** Sample ID:				Seq: 168	17:46:53	18	Dec 12	HG
				240-18894-b-1-g ms@3				
Hg	6.050	ppb	.0000	6.050				
*** Sample ID:				Seq: 169	17:48:44	18	Dec 12	HG
				240-18894-b-1-hmsd@3				
Hg	5.760	ppb	.0000	5.760				
*** Check Standard: 6	Ck6CCV			Seq: 170	17:51:04	18	Dec 12	HG
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		109.1	5.457	5.000	ppb	.0000		
*** Check Standard: 1	Ck1CCB			Seq: 171	17:53:14	18	Dec 12	HG
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		.0322	.6000	ppb	.0000			
*** Sample ID:				Seq: 172	17:55:17	18	Dec 12	HG
				240-18894-b-5-b@2				
Hg	5.361	ppb	.0000	5.361				
*** Sample ID:				Seq: 173	17:57:39	18	Dec 12	HG
				240-18894-b-2-b@10				
Hg	6.155	ppb	.0000	6.155				
*** Sample ID:				Seq: 174	17:59:40	18	Dec 12	HG
				240-18894-b-4-b@2				
Hg	6.029	ppb	.0000	6.029				
*** Sample ID:				Seq: 175	18:01:43	18	Dec 12	HG
				240-18894-b-3-b@5				
Hg	4.519	ppb	.0000	4.519				
*** Sample ID:				Seq: 176	18:03:34	18	Dec 12	HG
				240-18774-b-19-b@200				
Hg	1.568	ppb	.0000	1.568				

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: Seq: 177 18:05:27 18 Dec 12 HG								
				240-18774-b-12-b@2				
Hg	5.282	ppb	.0000	5.282				
*** Sample ID: Seq: 178 18:08:30 18 Dec 12 HG								
				240-18774-b-20-b@5				
Hg	4.913	ppb	.0000	4.913				
*** Sample ID: Seq: 179 18:10:43 18 Dec 12 HG								
				240-18774-b-15-b@10				
Hg	4.679	ppb	.0000	4.679				
*** Sample ID: Seq: 180 18:12:35 18 Dec 12 HG								
				240-18774-b-13-b@5				
Hg	6.290	ppb	.0000	6.290				
*** Sample ID: Seq: 181 18:15:46 18 Dec 12 HG								
				240-18774-b-14-b@5				
Hg	4.502	ppb	.0000	4.502				
*** Check Standard: 6 Ck6CCV Seq: 182 18:17:41 18 Dec 12 HG								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		108.6	5.428	5.000	ppb	.0000		
*** Check Standard: 1 Ck1CCB Seq: 183 18:19:32 18 Dec 12 HG								
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.0049	.6000	ppb	.0000			
*** Sample ID: Seq: 184 18:21:21 18 Dec 12 HG								
				240-18713-w-20-ems@3				
Hg	6.224	ppb	.0000	6.224				
*** Check Standard: 6 Ck6CCV Seq: 185 18:23:14 18 Dec 12 HG								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		107.3	5.366	5.000	ppb	.0000		
*** Check Standard: 1 Ck1CCB Seq: 186 18:25:06 18 Dec 12 HG								
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.0034	.6000	ppb	.0000			

TestAmerica North Canton Hg Data Review Checklist

Run/Project Information:

Circle Methods used: 7470A / 245.1 :

7471:

Run Date: 12/28/12

Analyst:

DSH

Instrument:

H4

Review Items

A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Instrument calibrated per manufacturer's instructions and at SOP specified levels?	✓			✓
2. ICV/CCV analyzed at appropriate frequency and within control limits?	✓			✓
3. ICB/CCB analyzed at appropriate frequency and within +/- RL?	✓			✓
4. CRA run?	✓			✓
B. Sample Results				
1. Were samples with concentrations > high calibration standard diluted and reanalyzed?			✓	✓
2. All reported results bracketed by in control QC?	✓			✓
3. Sample analyses done within holding time?	✓			✓
C. Preparation/ Matrix QC				
1. LCS done per prep batch and within QC limits?	✓			✓
2. Method blank done per prep batch and < RL?	✓			✓
3. MS run at required frequency and within limits?	✓			✓
4. MSD or DU run at required frequency and RPD within SOP limits?	✓			✓
D. Other				
1. Are all nonconformances documented appropriately?			✓	✓
2. Current IDL/MDL data on file?	✓			✓
3. Calculations and Transcription checked for error?	✓			✓
4. All client/project specific requirements met?	✓			✓
5. Date of analysis verified as correct?	✓			✓

Level I

Analyst: [Signature]

Date/Time: 12/28/12

Reviewed from 15:53 to 16:32

Analyst: [Signature]

Date/Time: 12/29/12

Reviewed from 16:34 to 18:28

Comments:

Batch # 70525

Level II

Reviewer:

[Signature]

Date/Time: 12/28/12

Reviewed from 15:53 to 16:32

Reviewer:

[Signature]

Date/Time: 12/29/12

Reviewed from 16:34 to 18:28

Comments

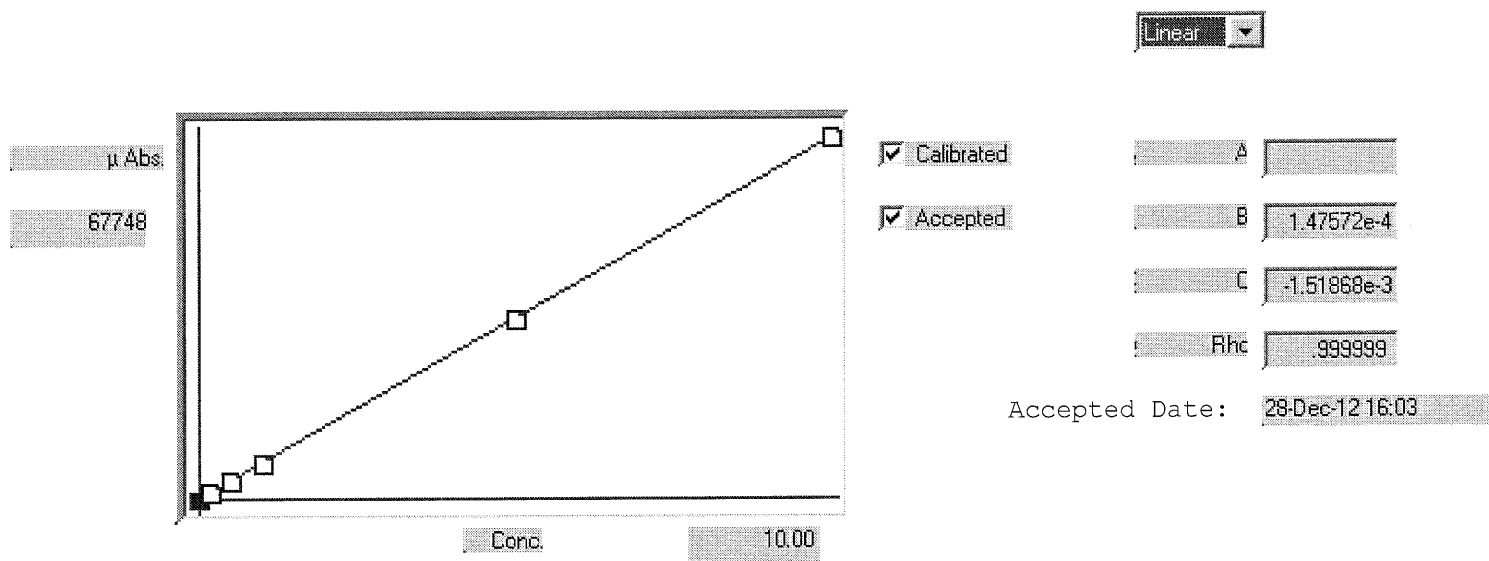
Curve Date 12/28/12

Curve Time 2:17p 2:47p

DILUTION H2O N/A

Revised 11/29/2012

Protocol: 1228DHG4



S	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
01	.00000	.0007	.0007	15	1	15				
02	.20000	.2009	.0009	1372	0%	1372				
03	.50000	.4945	-.0055	3362	0%	3361				
04	1.0000	.9995	-.0005	6783	0%	6783				
05	5.0000	5.008	.0082	33949	0%	33948				
06	10.000	9.996	-.0038	67748	0%	67748				
07										
08										
09										
10										

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

*** Standard: 1 Rep: 1				Seq: 1		15:53:34	28 Dec 12	HG
Hg	.0000	ppb	15					
*** Standard: 2 Rep: 1				Seq: 2		15:55:33	28 Dec 12	HG
Hg	.2000	ppb	1372					
*** Standard: 3 Rep: 1				Seq: 3		15:57:32	28 Dec 12	HG
Hg	.5000	ppb	3361					
*** Standard: 4 Rep: 1				Seq: 4		15:59:33	28 Dec 12	HG
Hg	1.000	ppb	6783					
*** Standard: 5 Rep: 1				Seq: 5		16:01:28	28 Dec 12	HG
Hg	5.000	ppb	33948					
*** Standard: 6 Rep: 1				Seq: 6		16:03:19	28 Dec 12	HG
Hg	10.00	ppb	67748					
*** Check Standard: 2 Ck2ICV				Seq: 7		16:05:54	28 Dec 12	HG
Line Flag %Rcv. Found True Units						SD/RSD		
Hg		99.00	2.475	2.500	ppb	.0000		
*** Check Standard: 3 Ck3ICB				Seq: 8		16:08:08	28 Dec 12	HG
Line Flag %Rcv. Found True Units						SD/RSD		
Hg		^^^^^	.0004	.0000	ppb	.0000		
*** Check Standard: 4 Ck4CRA\MRL				Seq: 9		16:10:52	28 Dec 12	HG
Line Flag %Rcv. Found True Units						SD/RSD		
Hg		104.7	.2094	.2000	ppb	.0000		
*** Check Standard: 6 Ck6CCV				Seq: 10		16:12:50	28 Dec 12	HG
Line Flag %Rcv. Found True Units						SD/RSD		
Hg		99.44	4.972	5.000	ppb	.0000		
*** Check Standard: 1 Ck1CCB				Seq: 11		16:15:08	28 Dec 12	HG
Line Flag Found Range(+/-) Units						SD/RSD		
Hg		-.0309	.6000		ppb	.0000		
*** Sample ID:				Seq: 12		16:16:58	28 Dec 12	HG
				1b 240-70287/1-c				
Hg	.0034	ppb	.0000	.0034				
*** Sample ID:				Seq: 13		16:19:22	28 Dec 12	HG
				mb 240-70292/2-a				
Hg	.0019	ppb	.0000	.0019				
*** Sample ID:				Seq: 14		16:21:11	28 Dec 12	HG
				lcs 240-70292/3-a				
Hg	4.719	ppb	.0000	4.719				
*** Sample ID:				Seq: 15		16:23:16	28 Dec 12	HG
				240-18856-a-15-1				
Hg	-.0118	ppb	.0000	-.0118				
*** Sample ID:				Seq: 16		16:25:35	28 Dec 12	HG
				240-18856-a-15-m ms				
Hg	3.877	ppb	.0000	3.877				

0.1400

POST-RUN REPORT

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

*** Sample ID: Seq: 17 16:27:39 28 Dec 12 HG
 240-18856-a-15-n msd
 Hg 3.949 ppb .0000 3.949

*** Check Standard: 6 Ck6CCV Seq: 18 16:30:20 28 Dec 12 HG
 Line Flag %Rcv. Found True Units SD/RSD
 Hg 100.8 5.041 5.000 ppb .0000

*** Check Standard: 1 Ck1CCB Seq: 19 16:32:19 28 Dec 12 HG
 Line Flag Found Range(+/-) Units SD/RSD
 Hg -.0381 .6000 ppb .0000

Reviewed 12/28/12

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

*** Sample ID:				Seq: 20		16:34:07	28 Dec 12	HG
				mb 240-70273/1-a				
Hg	.0141	ppb	.0000	.0141				
*** Sample ID:				Seq: 21		16:35:55	28 Dec 12	HG
				lcs 240-70273/2-a				
Hg	4.840	ppb	.0000	4.840				
*** Sample ID:				Seq: 22		16:38:16	28 Dec 12	HG
				240-18703-h-8-g				
Hg	.0426	ppb	.0000	.0426				
*** Sample ID:				Seq: 23		16:40:14	28 Dec 12	HG
				240-18703-h-8-j du				
Hg	.0382	ppb	.0000	.0382				
*** Sample ID:				Seq: 24		16:42:26	28 Dec 12	HG
				240-18703-h-8-k ms				
Hg	1.075	ppb	.0000	1.075				
*** Sample ID:				Seq: 25		16:44:15	28 Dec 12	HG
				240-18703-i-19-d				
Hg	.0726	ppb	.0000	.0726				
*** Sample ID:				Seq: 26		16:46:24	28 Dec 12	HG
				240-18703-h-15-c				
Hg	.0847	ppb	.0000	.0847				
*** Sample ID:				Seq: 27		16:48:53	28 Dec 12	HG
				240-18703-h-14-c				
Hg	.0835	ppb	.0000	.0835				
*** Sample ID:				Seq: 28		16:50:42	28 Dec 12	HG
				240-18703-h-17-c				
Hg	.0553	ppb	.0000	.0553				
*** Sample ID:				Seq: 29		16:52:31	28 Dec 12	HG
				240-18703-h-22-c				
Hg	.0318	ppb	.0000	.0318				
*** Check Standard: 6	Ck6CCV			Seq: 30		16:54:30	28 Dec 12	HG
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		101.0	5.049	5.000	ppb	.0000		
*** Check Standard: 1	Ck1CCB			Seq: 31		16:56:53	28 Dec 12	HG
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.0110	.6000	ppb	.0000			
*** Sample ID:				Seq: 32		16:58:42	28 Dec 12	HG
				240-18703-h-10-c				
Hg	.0367	ppb	.0000	.0367				
*** Sample ID:				Seq: 33		17:00:36	28 Dec 12	HG
				240-18703-h-21-c				
Hg	.1340	ppb	.0000	.1340				
*** Sample ID:				Seq: 34		17:02:37	28 Dec 12	HG
				240-18703-i-23-c				
Hg	.0472	ppb	.0000	.0472				
*** Sample ID:				Seq: 35		17:04:26	28 Dec 12	HG
				240-18703-h-11-c				
Hg	.0401	ppb	.0000	.0401				

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

*** Sample ID:				Seq: 36		17:06:14	28 Dec 12	HG
				240-18703-h-16-c				
Hg	.0665	ppb	.0000	.0665				
*** Sample ID:				Seq: 37		17:08:03	28 Dec 12	HG
				240-18980-h-3-a				
Hg	.5001	ppb	.0000	.5001				
*** Sample ID:				Seq: 38		17:10:41	28 Dec 12	HG
				240-18703-i-20-c				
Hg	.0765	ppb	.0000	.0765				
*** Sample ID:				Seq: 39		17:12:35	28 Dec 12	HG
				240-18703-h-12-c				
Hg	.0377	ppb	.0000	.0377				
*** Sample ID:				Seq: 40		17:14:26	28 Dec 12	HG
				240-18980-h-2-b				
Hg	.2040	ppb	.0000	.2040				
*** Sample ID:				Seq: 41		17:16:35	28 Dec 12	HG
				240-18703-h-9-c				
Hg	.0450	ppb	.0000	.0450				
*** Check Standard: 6	Ck6CCV			Seq: 42		17:19:07	28 Dec 12	HG
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		100.6	5.029	5.000	ppb	.0000		
*** Check Standard: 1	Ck1CCB			Seq: 43		17:20:57	28 Dec 12	HG
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.0453	.6000	ppb	.0000			
*** Sample ID:				Seq: 44		17:22:47	28 Dec 12	HG
				240-18703-h-13-c				
Hg	.0569	ppb	.0000	.0569				
*** Sample ID:				Seq: 45		17:24:36	28 Dec 12	HG
				240-18703-k-18-g				
Hg	.0566	ppb	.0000	.0566				
*** Sample ID:				Seq: 46		17:26:25	28 Dec 12	HG
				CRA				
Hg	.1738	ppb	.0000	.1738				
*** Sample ID:				Seq: 47		17:28:33	28 Dec 12	HG
				mb 240-70260/1-a				
Hg	.0082	ppb	.0000	.0082				
*** Sample ID:				Seq: 48		17:30:34	28 Dec 12	HG
				lcs 240-70260/2-a				
Hg	4.755	ppb	.0000	4.755				
*** Sample ID:				Seq: 49		17:32:38	28 Dec 12	HG
				240-18438-b-21-e				
Hg	.1038	ppb	.0000	.1038				
*** Sample ID:				Seq: 50		17:35:00	28 Dec 12	HG
				240-18438-b-21-f ms				
Hg	1.073	ppb	.0000	1.073				
*** Sample ID:				Seq: 51		17:37:01	28 Dec 12	HG
				240-18438-b-21-g msd				
Hg	1.079	ppb	.0000	1.079				

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: Seq: 52 17:39:02 28 Dec 12 HG								
240-18438-b-31-c								
Hg	.0618	ppb	.0000	.0618				
*** Sample ID: Seq: 53 17:41:35 28 Dec 12 HG								
240-18438-b-23-c								
Hg	.1337	ppb	.0000	.1337				
*** Check Standard: 6 Ck6CCV Seq: 54 17:43:29 28 Dec 12 HG								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		100.2	5.009	5.000	ppb	.0000		
*** Check Standard: 1 Ck1CCB Seq: 55 17:45:30 28 Dec 12 HG								
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.0198	.6000	ppb	.0000			
*** Sample ID: Seq: 56 17:47:23 28 Dec 12 HG								
240-18438-b-22-c								
Hg	.0315	ppb	.0000	.0315				
*** Sample ID: Seq: 57 17:50:03 28 Dec 12 HG								
240-18438-b-38-d								
Hg	.0309	ppb	.0000	.0309				
*** Sample ID: Seq: 58 17:51:52 28 Dec 12 HG								
240-18438-b-39-b								
Hg	.0131	ppb	.0000	.0131				
*** Sample ID: Seq: 59 17:53:54 28 Dec 12 HG								
240-18438-b-27-c								
Hg	.0367	ppb	.0000	.0367				
*** Sample ID: Seq: 60 17:55:52 28 Dec 12 HG								
240-18438-b-33-c								
Hg	.0786	ppb	.0000	.0786				
*** Sample ID: Seq: 61 17:57:41 28 Dec 12 HG								
240-18438-b-30-c								
Hg	.0910	ppb	.0000	.0910				
*** Sample ID: Seq: 62 17:59:32 28 Dec 12 HG								
240-18438-b-36-c								
Hg	.0237	ppb	.0000	.0237				
*** Sample ID: Seq: 63 18:02:33 28 Dec 12 HG								
240-18438-b-37-c								
Hg	.0764	ppb	.0000	.0764				
*** Sample ID: Seq: 64 18:04:24 28 Dec 12 HG								
240-18438-b-24-c								
Hg	.0774	ppb	.0000	.0774				
*** Sample ID: Seq: 65 18:06:24 28 Dec 12 HG								
240-18438-b-29-c								
Hg	.0346	ppb	.0000	.0346				
*** Check Standard: 6 Ck6CCV Seq: 66 18:08:53 28 Dec 12 HG								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		100.2	5.010	5.000	ppb	.0000		
*** Check Standard: 1 Ck1CCB Seq: 67 18:11:32 28 Dec 12 HG								
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.0024	.6000	ppb	.0000			

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: Seq: 68 18:13:35 28 Dec 12 HG								
				240-18438-b-28-c				
Hg	.1005	ppb	.0000	.1005				
*** Sample ID: Seq: 69 18:15:26 28 Dec 12 HG								
				240-18438-b-34-c				
Hg	.1072	ppb	.0000	.1072				
*** Sample ID: Seq: 70 18:17:21 28 Dec 12 HG								
				240-18438-b-26-c				
Hg	.0546	ppb	.0000	.0546				
*** Sample ID: Seq: 71 18:19:31 28 Dec 12 HG								
				240-18438-b-25-c				
Hg	.0799	ppb	.0000	.0799				
*** Sample ID: Seq: 72 18:21:25 28 Dec 12 HG								
				240-18438-b-35-c				
Hg	.0318	ppb	.0000	.0318				
*** Sample ID: Seq: 73 18:23:18 28 Dec 12 HG								
				240-18438-b-32-c				
Hg	.0997	ppb	.0000	.0997				
*** Sample ID: Seq: 74 18:25:12 28 Dec 12 HG								
				240-19201-b-1-b				
Hg	.2871	ppb	.0000	.2871				
*** Check Standard: 6 Ck6CCV Seq: 75 18:27:03 28 Dec 12 HG								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		100.1	5.005	5.000	ppb	.0000		
*** Check Standard: 1 Ck1CCB Seq: 76 18:28:55 28 Dec 12 HG								
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.0265	.6000	ppb	.0000			

Performance Report

Sample details

Sample name : ITUNE

Acquired at : 12/29/2012 3:23:35 PM

Report name : EPA ILMO5.2/6020A 2.1 [8/5/2011 12:59:56 PM]

Mass Calibration verification

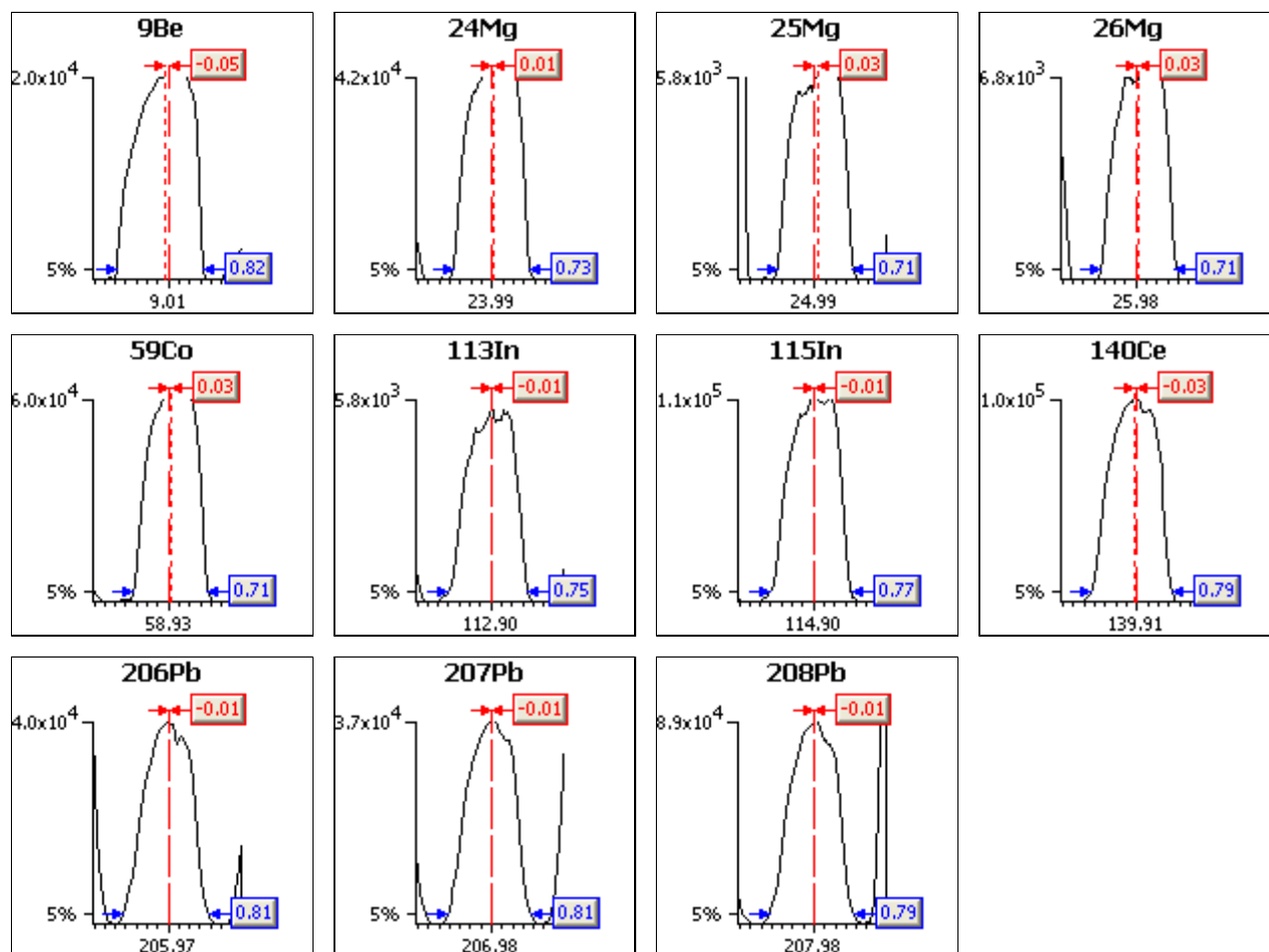
Acquisition parameters

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	0.82	-0.05
24Mg	0.90	0.45	0.10	0.73	0.01
25Mg	0.90	0.45	0.10	0.71	0.03
26Mg	0.90	0.45	0.10	0.71	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	0.79	-0.03
206Pb	0.90	0.45	0.10	0.81	-0.01
207Pb	0.90	0.45	0.10	0.81	-0.01
208Pb	0.90	0.45	0.10	0.79	-0.01

Sample details

Sample name : ITUNE

Acquired at : 12/29/2012 3:23:35 PM

Report name : EPA ILM05.2/6020A 2.1 [8/5/2011 12:59:56 PM]

Tune conditions

Major		Minor		Global		Add. Gases	
Extraction	-114	Lens 2	-36.1	Standard resolution	n/a	He/H2	0.00
Lens 1	2.0	Lens 3	-176.5	High resolution	n/a	He/NH3	0.00
Focus	26.7	Forward power	1349	Analogue Detector	n/a		
D1	-37.6	Horizontal	72	PC Detector	n/a		
Pole Bias	3.0	Vertical	408				
Hexapole Bias	-3.0	D2	-160				
Nebuliser	0.80	DA	-80.0				
Sampling Depth	150	Cool	13.0				
		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	-	>10000	-
1	3:24:22 PM	0	15477	38422	4689	5723	204931	62050	17
2	3:25:47 PM	0	15828	39862	5177	6000	202466	64487	13
3	3:27:12 PM	0	15213	38440	5049	5760	204484	62097	13
4	3:28:38 PM	0	15635	39285	5027	5877	202840	63867	13
5	3:30:03 PM	0	15499	39631	5019	5966	200112	63991	10
x		0	15530	39128	4992	5865	202967	63299	13
σ		0.00	225.97	668.55	180.99	122.22	1908.87	1142.06	2.60
%RSD		0.000	1.455	1.709	3.625	2.084	0.940	1.804	19.301

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	3:24:22 PM	70	0	4770	105829	2620	109910	1933	42887
2	3:25:47 PM	70	0	4971	108360	2619	111665	2021	43618
3	3:27:12 PM	77	0	4836	107282	2648	111105	2000	43548
4	3:28:38 PM	80	0	4947	108505	2534	111459	1952	43264
5	3:30:03 PM	69	0	4977	108950	2596	112289	2061	43566
x		73	0	4900	107785	2603	111286	1993	43377
σ		5.03	0.03	92.28	1253.61	42.69	881.19	52.17	306.63
%RSD		6.883	223.607	1.883	1.163	1.640	0.792	2.617	0.707

Run	Time	207Pb	208Pb	220Bkg
Dwell (mSecs)		0.0	0.0	0.0
Limits	%RSD	5.0%	5.0%	-
	Countrate	>500	>500	<2500
1	3:24:22 PM	38927	93034	0
2	3:25:47 PM	39480	94529	0
3	3:27:12 PM	39094	93966	0
4	3:28:38 PM	39465	94809	0
5	3:30:03 PM	39552	94395	0
x		39304	94146	0
σ		275.74	692.35	0.04
%RSD		0.702	0.735	136.931

Ratio results

Run	Time	156Ce O/140Ce
Ratio limits		<0.0500
1	3:24:22 PM	0
2	3:25:47 PM	0

3	3:27:12 PM	0
4	3:28:38 PM	0
5	3:30:03 PM	0
x		0.0179
σ		0.00
%RSD		1.9984

Result : The performance report passed.

Dilution Corrected Concentrations

STD1 686021 12/29/2012 3:40:07 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	15:40:49	98.381%	0.000	-0.020	-0.109	0.000	-1.190	0.200	-0.219
2	15:41:31	99.540%	0.030	-0.032	0.119	0.000	0.816	-0.172	-0.033
3	15:42:13	102.079%	-0.031	0.052	-0.010	0.000	0.374	-0.028	0.252
X		100.000%	0.000	0.000	0.000	0.000	0.000	0.000	-0.000
σ		1.892%	0.031	0.046	0.114	0.000	1.054	0.187	0.237
%RSD		1.892	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	15:40:49	0.450	-0.337	0.000	0.070	-2.960	1.178	98.344%	0.071
2	15:41:31	-0.062	0.276	0.000	-0.563	-2.960	1.206	100.366%	0.016
3	15:42:13	-0.389	0.061	0.000	0.493	5.920	-2.384	101.289%	-0.087
X		-0.000	-0.000	0.000	0.000	0.000	0.000	100.000%	0.000
σ		0.423	0.311	0.000	0.531	5.127	2.065	1.506%	0.080
%RSD		0.000	0.000	0.000	0.000	0.000	0.000	1.506	0.000
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:40:49	0.014	0.006	0.020	0.522	-0.138	0.001	-0.034	-0.017
2	15:41:31	-0.025	-0.013	0.000	-0.434	-0.075	-0.003	-0.034	0.014
3	15:42:13	0.011	0.007	-0.020	-0.088	0.213	0.003	0.068	0.004
X		-0.000	0.000	0.000	0.000	0.000	-0.000	-0.000	0.000
σ		0.022	0.011	0.020	0.484	0.187	0.003	0.059	0.016
%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	15:40:49	-0.006	-0.151	0.047	-0.033	0.297	-0.113	0.000	0.010
2	15:41:31	0.038	0.105	0.059	0.048	-0.145	0.131	0.000	-0.002
3	15:42:13	-0.032	0.046	-0.106	-0.016	-0.152	-0.019	0.000	-0.008
X		-0.000	0.000	0.000	-0.000	0.000	-0.000	0.000	0.000
σ		0.035	0.135	0.092	0.043	0.257	0.123	0.000	0.009
%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	15:40:49	97.392%	-0.053	0.044	97.059%	0.005	0.002	0.041	0.046
2	15:41:31	101.347%	0.044	-0.040	100.570%	-0.006	0.001	-0.056	-0.061
3	15:42:13	101.260%	0.009	-0.004	102.371%	0.001	-0.003	0.015	0.015
X		100.000%	-0.000	0.000	100.000%	-0.000	0.000	0.000	0.000
σ		2.259%	0.049	0.042	2.702%	0.006	0.003	0.050	0.055
%RSD		2.259	0.000	0.000	2.702	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	15:40:49	96.629%	0.020	-0.005	0.001	-0.026	0.015	97.186%	96.334%
2	15:41:31	100.750%	-0.109	0.007	-0.016	-0.007	-0.013	100.089%	100.975%
3	15:42:13	102.621%	0.088	-0.002	0.015	0.033	-0.002	102.725%	102.691%
X		100.000%	0.000	-0.000	0.000	-0.000	0.000	100.000%	100.000%
σ		3.066%	0.100	0.006	0.016	0.030	0.014	2.770%	3.288%
%RSD		3.066	0.000	0.000	0.000	0.000	0.000	2.770	3.288
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	15:40:49	0.007	-0.001	-0.004	-0.011	-0.003	96.019%		
2	15:41:31	-0.002	0.004	0.007	0.009	0.000	100.978%		
3	15:42:13	-0.005	-0.003	-0.003	0.002	0.003	103.003%		
X		0.000	0.000	-0.000	0.000	0.000	100.000%		
σ		0.006	0.004	0.006	0.010	0.003	3.593%		
%RSD		0.000	0.000	0.000	0.000	0.000	3.593		

STD2 646077 12/29/2012 3:44:21 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:45:02	86.913%	202.700	0.491	0.122	0.000	101600.000	101600.000	101600.000
2	15:45:44	90.430%	196.900	0.431	0.128	0.000	99000.000	98990.000	98950.000
3	15:46:26	91.091%	200.400	-0.665	0.284	0.000	99350.000	99460.000	99490.000
X		89.478%	200.000	0.086	0.178	0.000	100000.000	100000.000	100000.000
σ		2.246%	2.900	0.651	0.092	0.000	1432.000	1366.000	1381.000
%RSD		2.510	1.450	756.200	51.860	0.000	1.432	1.366	1.381
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:45:02	1022.000	-0.791	0.000	101500.000	100200.000	99590.000	87.541%	2.878
2	15:45:44	989.400	13.680	0.000	99100.000	99410.000	99390.000	91.671%	2.235
3	15:46:26	988.200	14.850	0.000	99360.000	100400.000	101000.000	93.183%	1.639
X		1000.000	9.247	0.000	100000.000	100000.000	100000.000	90.798%	2.251
σ		19.420	8.713	0.000	1336.000	512.700	882.900	2.921%	0.620
%RSD		1.942	94.220	0.000	1.336	0.513	0.883	3.217	27.530
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:45:02	199.600	200.100	998.000	50990.000	49600.000	199.500	199.100	197.700
2	15:45:44	198.400	197.200	994.700	49550.000	50040.000	198.800	199.600	199.600
3	15:46:26	202.000	202.800	1007.000	49460.000	50360.000	201.700	201.300	202.600
X		200.000	200.000	1000.000	50000.000	50000.000	200.000	200.000	200.000
σ		1.831	2.809	6.517	859.100	379.200	1.504	1.134	2.468
%RSD		0.916	1.405	0.652	1.718	0.758	0.752	0.567	1.234
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:45:02	199.900	198.100	200.200	195.000	198.400	195.000	0.000	199.100
2	15:45:44	198.900	198.500	197.800	202.800	201.200	200.700	0.000	201.400
3	15:46:26	201.200	203.500	202.000	202.200	200.400	204.300	0.000	199.500
X		200.000	200.000	200.000	200.000	200.000	200.000	0.000	200.000
σ		1.163	2.997	2.085	4.316	1.441	4.721	0.000	1.218
%RSD		0.582	1.499	1.043	2.158	0.721	2.361	0.000	0.609
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:45:02	88.014%	1.250	1.637	84.062%	199.600	199.300	201.100	198.200
2	15:45:44	91.792%	1.335	1.211	88.304%	200.800	199.700	199.200	200.200
3	15:46:26	94.567%	1.000	1.449	90.657%	199.600	200.900	199.600	201.600
X		91.458%	1.195	1.432	87.674%	200.000	200.000	200.000	200.000
σ		3.290%	0.174	0.214	3.343%	0.736	0.844	0.982	1.697
%RSD		3.597	14.570	14.910	3.812	0.368	0.422	0.491	0.848
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:45:02	88.249%	1.277	0.078	0.108	197.800	199.900	93.198%	94.353%
2	15:45:44	93.517%	1.353	0.113	0.077	200.500	200.900	97.812%	99.261%
3	15:46:26	95.667%	2.092	0.140	0.148	201.800	199.200	101.975%	102.557%
X		92.478%	1.574	0.110	0.111	200.000	200.000	97.662%	98.724%
σ		3.816%	0.450	0.031	0.035	2.034	0.819	4.390%	4.128%
%RSD		4.127	28.600	28.430	31.800	1.017	0.410	4.495	4.182
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	15:45:02	196.900	196.600	196.100	197.000	196.900	92.703%		
2	15:45:44	201.000	200.300	201.600	199.400	200.400	96.873%		
3	15:46:26	202.100	203.100	202.400	203.600	202.800	98.609%		
X		200.000	200.000	200.000	200.000	200.000	96.062%		
σ		2.718	3.294	3.416	3.377	2.973	3.035%		
%RSD		1.359	1.647	1.708	1.689	1.487	3.160		

STD3 646078 12/29/2012 3:48:35 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:49:16	87.748%	0.073	196.800	200.300	0.000	74.690	74.370	72.960
2	15:49:58	89.445%	0.240	196.200	201.600	0.000	74.630	77.680	76.040
3	15:50:40	89.557%	0.071	207.000	198.100	0.000	82.030	83.460	76.830
X		88.917%	0.128	200.000	200.000	0.000	77.120	78.500	75.280
σ		1.014%	0.097	6.075	1.762	0.000	4.257	4.597	2.044
%RSD		1.140	76.000	3.038	0.881	0.000	5.520	5.856	2.715
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:49:16	20.020	10030.000	0.000	88.070	138.000	169.300	92.821%	202.600
2	15:49:58	12.640	10050.000	0.000	95.670	94.090	187.200	92.905%	197.800
3	15:50:40	9.491	9925.000	0.000	100.900	137.800	191.400	92.856%	199.700
X		14.050	10000.000	0.000	94.890	123.300	182.600	92.861%	200.000
σ		5.405	65.410	0.000	6.471	25.310	11.700	0.042%	2.420
%RSD		38.460	0.654	0.000	6.819	20.520	6.405	0.045	1.210
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:49:16	0.195	0.123	1.062	134.600	164.500	0.143	0.335	0.484
2	15:49:58	0.217	0.100	1.050	82.130	106.200	0.145	0.480	0.488
3	15:50:40	0.165	0.128	1.063	67.740	85.140	0.215	0.278	0.328
X		0.192	0.117	1.058	94.810	118.600	0.168	0.364	0.433
σ		0.026	0.015	0.007	35.170	41.110	0.041	0.104	0.091
%RSD		13.340	12.570	0.683	37.100	34.650	24.520	28.640	21.090
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:49:16	0.784	2.205	2.423	0.289	1.830	0.264	0.000	0.605
2	15:49:58	0.576	2.209	2.385	0.459	0.121	1.028	0.000	0.575
3	15:50:40	0.557	2.576	2.121	0.399	0.014	0.568	0.000	0.588
X		0.639	2.330	2.310	0.382	0.655	0.620	0.000	0.589
σ		0.126	0.213	0.165	0.086	1.019	0.385	0.000	0.015
%RSD		19.730	9.133	7.128	22.570	155.600	62.030	0.000	2.614
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:49:16	94.248%	199.200	198.900	95.554%	0.290	0.307	0.126	-0.748
2	15:49:58	95.395%	198.200	202.000	96.478%	0.294	0.235	0.283	-0.411
3	15:50:40	95.496%	202.600	199.100	96.684%	0.294	0.214	0.001	-0.779
X		95.046%	200.000	200.000	96.239%	0.292	0.252	0.137	-0.646
σ		0.694%	2.339	1.714	0.602%	0.002	0.049	0.141	0.204
%RSD		0.730	1.170	0.857	0.625	0.819	19.430	103.400	31.630
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:49:16	97.476%	199.500	197.600	198.800	0.241	0.595	99.883%	100.525%
2	15:49:58	99.385%	200.400	200.000	199.800	0.326	0.535	100.210%	102.201%
3	15:50:40	98.910%	200.000	202.400	201.500	0.302	0.416	101.423%	101.898%
X		98.590%	200.000	200.000	200.000	0.290	0.515	100.506%	101.541%
σ		0.994%	0.463	2.373	1.374	0.044	0.091	0.811%	0.893%
%RSD		1.008	0.232	1.187	0.687	15.010	17.670	0.807	0.879
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	15:49:16	0.267	0.283	0.319	0.316	0.294	102.441%		
2	15:49:58	0.258	0.228	0.261	0.248	0.254	103.971%		
3	15:50:40	0.240	0.270	0.249	0.180	0.215	104.500%		
X		0.255	0.260	0.276	0.248	0.254	103.637%		
σ		0.014	0.029	0.038	0.068	0.039	1.069%		
%RSD		5.399	11.150	13.670	27.380	15.440	1.032		

ICV 660333 12/29/2012 3:52:50 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	15:53:32	89.973%	82.530	90.530	86.040	0.000	40900.000	35850.000	36080.000
2	15:54:13	90.892%	86.170	86.960	87.900	0.000	40640.000	35960.000	36280.000
3	15:54:55	89.500%	82.190	93.450	88.280	0.000	41330.000	36760.000	36860.000
x		90.122%	104.538%	112.892%	109.256%	0.000	102.396%	90.476%	91.020%
σ		0.708%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		0.785	2.641	3.596	1.368	0.000	0.859	1.381	1.107
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:53:32	408.100	4452.000	0.000	41890.000	41300.000	40770.000	92.340%	87.300
2	15:54:13	408.200	4474.000	0.000	41690.000	41530.000	41060.000	93.200%	88.980
3	15:54:55	412.200	4567.000	0.000	41900.000	41850.000	41570.000	93.296%	87.430
x		102.378%	112.439%	0.000	104.562%	103.905%	102.834%	92.945%	109.879%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.526%	n/a
%RSD		0.569	1.360	0.000	0.289	0.667	0.984	0.566	1.062
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:53:32	80.910	82.610	406.900	20230.000	20140.000	82.220	82.470	83.240
2	15:54:13	82.290	83.250	414.500	20000.000	20270.000	82.340	83.840	82.330
3	15:54:55	81.710	83.830	413.500	20020.000	20460.000	83.620	85.770	85.020
x		102.045%	104.035%	102.906%	100.417%	101.428%	103.408%	105.032%	104.410%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.849	0.729	0.997	0.632	0.793	0.939	1.973	1.636
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:53:32	82.360	84.220	84.850	80.680	81.360	83.740	0.000	74.600
2	15:54:13	83.530	82.880	86.570	81.620	81.180	83.260	0.000	74.570
3	15:54:55	84.440	85.320	86.000	80.560	75.930	82.210	0.000	75.180
x		104.304%	105.176%	107.261%	101.192%	99.364%	103.836%	0.000	93.482%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		1.251	1.453	1.021	0.718	3.878	0.944	0.000	0.456
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:53:32	103.307%	78.680	79.380	97.108%	78.250	79.800	81.940	80.130
2	15:54:13	106.171%	79.180	80.020	100.045%	78.500	79.450	80.780	79.020
3	15:54:55	106.646%	81.510	81.420	100.385%	78.490	78.960	78.520	78.620
x		105.375%	99.738%	100.341%	99.179%	98.019%	99.253%	100.519%	99.069%
σ		1.807%	n/a	n/a	1.802%	n/a	n/a	n/a	n/a
%RSD		1.714	1.887	1.305	1.817	0.184	0.529	2.166	0.983
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:53:32	99.936%	83.070	80.870	81.980	77.740	78.920	104.529%	105.051%
2	15:54:13	103.375%	81.820	80.440	80.140	78.480	80.860	106.702%	109.095%
3	15:54:55	104.879%	80.780	82.130	80.530	79.790	80.690	108.436%	109.717%
x		102.730%	102.360%	101.435%	101.105%	98.337%	100.198%	106.556%	107.955%
σ		2.534%	n/a	n/a	n/a	n/a	n/a	1.958%	2.534%
%RSD		2.466	1.403	1.085	1.202	1.319	1.337	1.837	2.347
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	15:53:32	81.700	81.190	79.150	78.310	78.840	104.085%		
2	15:54:13	81.510	82.680	79.290	79.650	79.610	107.037%		
3	15:54:55	82.310	82.600	80.590	79.420	79.900	107.933%		
x		102.300%	102.696%	99.598%	98.907%	99.318%	106.351%		
σ		n/a	n/a	n/a	n/a	n/a	2.013%		
%RSD		0.512	1.020	0.999	0.906	0.689	1.893		

ICB 12/29/2012 4:00:40 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	16:01:22	99.768%	-0.031	0.184	0.632	0.000	-41.750	2.805	4.272
2	16:02:04	99.139%	-0.031	0.742	0.617	0.000	-37.700	3.497	4.476
3	16:02:45	99.759%	-0.031	0.623	0.394	0.000	-30.150	9.995	9.364
X		99.555%	-0.031	0.516	0.548	0.000	-36.530	5.432	6.037
σ		0.361%	0.000	0.294	0.133	0.000	5.888	3.966	2.883
%RSD		0.362	0.000	56.960	24.330	0.000	16.120	73.010	47.750
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:01:22	-4.083	6.606	0.000	12.990	5.853	6.025	102.234%	0.065
2	16:02:04	-4.052	6.346	0.000	16.550	5.768	7.953	103.322%	0.214
3	16:02:45	-3.403	6.926	0.000	20.940	49.640	15.690	102.812%	0.014
X		-3.846	6.626	0.000	16.820	20.420	9.888	102.789%	0.098
σ		0.384	0.291	0.000	3.985	25.300	5.112	0.544%	0.104
%RSD		9.980	4.388	0.000	23.680	123.900	51.700	0.530	106.700
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:01:22	-0.018	0.067	0.008	13.470	15.370	0.015	0.049	0.063
2	16:02:04	0.012	0.012	0.009	10.030	11.060	-0.008	-0.035	0.009
3	16:02:45	0.011	0.050	0.129	10.830	13.440	0.002	0.015	0.001
X		0.002	0.043	0.049	11.440	13.290	0.003	0.010	0.025
σ		0.017	0.028	0.070	1.802	2.161	0.011	0.042	0.034
%RSD		981.200	64.950	143.200	15.750	16.260	357.000	432.500	136.700
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:01:22	-0.019	0.281	0.611	-0.069	-1.270	-0.179	0.000	0.016
2	16:02:04	0.027	0.253	0.254	-0.333	-0.092	-0.994	0.000	0.011
3	16:02:45	0.259	0.639	0.657	-0.079	-1.042	-0.473	0.000	0.127
X		0.089	0.391	0.507	-0.161	-0.802	-0.549	0.000	0.051
σ		0.149	0.215	0.221	0.149	0.625	0.413	0.000	0.066
%RSD		167.200	55.110	43.530	92.990	77.930	75.180	0.000	128.400
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:01:22	103.501%	0.313	0.344	104.144%	0.019	0.025	0.085	0.023
2	16:02:04	105.086%	0.060	0.174	105.300%	0.023	0.013	-0.029	-0.122
3	16:02:45	105.867%	0.290	0.289	105.986%	0.001	0.012	0.099	-0.023
X		104.818%	0.221	0.269	105.143%	0.014	0.017	0.052	-0.041
σ		1.205%	0.140	0.087	0.931%	0.012	0.007	0.070	0.074
%RSD		1.150	63.370	32.300	0.885	82.890	43.160	135.000	181.300
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:01:22	103.754%	0.397	0.043	0.030	-0.032	-0.040	104.469%	104.825%
2	16:02:04	106.739%	0.075	0.041	0.018	-0.055	-0.029	107.029%	108.061%
3	16:02:45	108.219%	-0.354	0.060	0.053	0.026	-0.017	108.137%	108.887%
X		106.238%	0.040	0.048	0.034	-0.021	-0.029	106.545%	107.258%
σ		2.274%	0.377	0.010	0.018	0.042	0.012	1.881%	2.147%
%RSD		2.141	948.000	21.640	51.800	202.100	40.260	1.766	2.001
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	16:01:22	0.025	0.045	0.019	0.026	0.022	107.395%		
2	16:02:04	0.024	0.020	0.013	0.010	0.020	109.586%		
3	16:02:45	0.024	0.039	0.026	0.035	0.025	110.036%		
X		0.024	0.035	0.019	0.024	0.022	109.005%		
σ		0.001	0.013	0.007	0.013	0.003	1.413%		
%RSD		2.670	37.300	35.400	54.230	12.220	1.296		

CRI 667994 12/29/2012 4:04:58 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:05:40	89.816%	1.270	7.382	6.914	0.000	66.570	99.100	100.600
2	16:06:21	89.841%	1.203	8.335	7.797	0.000	67.670	100.800	100.800
3	16:07:03	89.236%	1.312	5.619	7.619	0.000	64.820	100.700	103.500
X		89.631%	126.158%	142.235%	148.868%	0.000	82.944%	100.183%	101.648%
σ		0.342%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		0.382	4.361	19.380	6.271	0.000	2.168	0.939	1.611
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:05:40	28.890	500.100	0.000	94.290	116.700	110.800	110.286%	5.399
2	16:06:21	28.540	505.600	0.000	94.720	124.100	118.100	111.083%	5.501
3	16:07:03	29.170	505.500	0.000	97.110	112.500	107.500	110.422%	4.445
X		96.220%	100.749%	0.000	95.372%	117.792%	112.135%	110.597%	102.303%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.426%	n/a
%RSD		1.098	0.622	0.000	1.592	4.988	4.823	0.385	11.380
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:05:40	0.863	1.917	4.880	49.600	69.280	0.469	1.028	1.852
2	16:06:21	0.930	1.954	4.781	48.740	62.410	0.496	1.405	2.127
3	16:07:03	0.914	1.761	4.918	48.830	59.420	0.561	1.119	1.903
X		90.256%	93.856%	97.196%	98.108%	127.404%	101.672%	118.374%	98.026%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		3.859	5.458	1.459	0.964	7.940	9.312	16.610	7.453
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:05:40	2.083	8.184	8.548	0.917	3.122	5.322	0.000	5.010
2	16:06:21	2.506	7.855	7.925	1.130	3.076	5.118	0.000	4.971
3	16:07:03	2.102	8.095	7.882	0.747	5.893	4.597	0.000	4.966
X		111.506%	160.891%	162.365%	93.121%	80.604%	100.246%	0.000	99.642%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		10.720	2.111	4.592	20.610	40.020	7.459	0.000	0.483
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:05:40	100.594%	4.786	5.035	101.963%	1.057	1.084	1.196	0.932
2	16:06:21	101.200%	5.377	5.227	102.602%	1.018	1.047	1.163	1.113
3	16:07:03	101.707%	4.938	4.863	102.229%	0.968	1.049	1.299	1.019
X		101.167%	100.675%	100.832%	102.264%	101.403%	106.011%	121.963%	102.130%
σ		0.557%	n/a	n/a	0.321%	n/a	n/a	n/a	n/a
%RSD		0.551	6.099	3.613	0.314	4.415	1.981	5.805	8.856
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:05:40	103.395%	5.354	1.929	2.063	9.938	9.920	104.032%	104.803%
2	16:06:21	103.669%	5.721	2.165	2.184	10.250	9.720	104.271%	105.328%
3	16:07:03	103.776%	5.958	2.009	2.089	9.906	9.422	103.829%	105.578%
X		103.613%	113.557%	101.710%	105.611%	100.323%	96.877%	104.044%	105.236%
σ		0.196%	n/a	n/a	n/a	n/a	n/a	0.221%	0.396%
%RSD		0.190	5.358	5.904	3.015	1.914	2.588	0.213	0.376
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	16:05:40	0.891	0.992	0.918	0.987	0.983	106.403%		
2	16:06:21	1.117	1.012	1.010	1.038	1.003	107.866%		
3	16:07:03	0.984	1.026	1.177	1.046	1.093	107.312%		
X		99.712%	101.005%	103.507%	102.360%	102.635%	107.194%		
σ		n/a	n/a	n/a	n/a	n/a	0.738%		
%RSD		11.380	1.658	12.710	3.133	5.715	0.689		

ICSA 668877 12/29/2012 4:09:15 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	16:09:57	86.330%	0.005	1.398	0.607	0.000	102500.000	102200.000	102300.000
2	16:10:38	87.848%	0.004	-0.275	0.579	0.000	102100.000	101400.000	101800.000
3	16:11:20	89.540%	0.037	0.326	0.358	0.000	100600.000	100300.000	100500.000
X		87.906%	0.015	0.483	0.515	0.000	101700.000	101300.000	101500.000
σ		1.606%	0.019	0.847	0.136	0.000	997.000	950.000	968.400
%RSD		1.827	124.700	175.300	26.460	0.000	0.980	0.938	0.954
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:09:57	117300.000	27.310	0.000	102700.000	104200.000	103600.000	85.202%	2277.000
2	16:10:38	116200.000	28.060	0.000	102100.000	103900.000	104400.000	87.555%	2298.000
3	16:11:20	114800.000	26.770	0.000	101100.000	104200.000	104300.000	88.830%	2268.000
X		116100.000	27.380	0.000	101900.000	104100.000	104100.000	87.196%	2281.000
σ		1262.000	0.649	0.000	841.500	167.800	423.900	1.840%	14.930
%RSD		1.087	2.370	0.000	0.825	0.161	0.407	2.111	0.655
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:09:57	-0.634	-0.031	0.542	102800.000	104900.000	0.105	0.483	1.048
2	16:10:38	-0.369	-0.035	0.528	100700.000	105100.000	0.086	0.443	1.215
3	16:11:20	-0.812	0.031	0.391	99910.000	106400.000	0.066	0.420	1.052
X		-0.605	-0.012	0.487	101100.000	105500.000	0.085	0.449	1.105
σ		0.223	0.037	0.083	1472.000	797.300	0.020	0.032	0.095
%RSD		36.880	321.600	17.100	1.456	0.756	23.010	7.151	8.614
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:09:57	1.987	4.079	2.232	0.316	-0.709	0.665	0.000	5.185
2	16:10:38	1.810	3.893	2.319	-0.392	-0.304	-0.965	0.000	4.713
3	16:11:20	1.931	3.700	1.973	-0.337	-1.114	-1.358	0.000	5.013
X		1.909	3.891	2.174	-0.138	-0.709	-0.552	0.000	4.970
σ		0.091	0.189	0.180	0.394	0.405	1.073	0.000	0.239
%RSD		4.759	4.868	8.283	285.800	57.170	194.100	0.000	4.802
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:09:57	86.527%	2159.000	2194.000	81.662%	0.095	0.076	0.576	0.354
2	16:10:38	90.693%	2145.000	2197.000	85.781%	0.059	0.090	0.316	0.103
3	16:11:20	92.156%	2163.000	2186.000	87.908%	0.087	0.079	0.980	0.241
X		89.792%	2156.000	2193.000	85.117%	0.080	0.082	0.624	0.233
σ		2.921%	9.366	5.714	3.176%	0.019	0.008	0.334	0.126
%RSD		3.253	0.435	0.261	3.731	23.460	9.217	53.580	54.010
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:09:57	88.339%	5.047	0.301	0.309	0.343	0.319	95.077%	96.486%
2	16:10:38	93.942%	4.274	0.269	0.302	0.273	0.273	98.915%	101.972%
3	16:11:20	96.996%	3.620	0.216	0.392	0.261	0.341	101.915%	103.912%
X		93.092%	4.314	0.262	0.334	0.292	0.311	98.635%	100.790%
σ		4.390%	0.715	0.043	0.050	0.044	0.035	3.428%	3.851%
%RSD		4.716	16.570	16.270	14.950	14.980	11.220	3.475	3.821
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	16:09:57	0.030	0.047	0.188	0.179	0.166	96.862%		
2	16:10:38	0.031	0.030	0.156	0.161	0.144	98.410%		
3	16:11:20	0.030	0.025	0.127	0.169	0.139	101.492%		
X		0.030	0.034	0.157	0.169	0.149	98.921%		
σ		0.001	0.012	0.031	0.009	0.015	2.357%		
%RSD		2.840	33.770	19.500	5.200	9.796	2.383		

ICSAB 668878

12/29/2012 4:13:32 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	16:14:14	91.109%	20.470	53.700	49.360	0.000	102200.000	101500.000	101600.000
2	16:14:56	94.240%	20.550	52.670	48.800	0.000	99910.000	99500.000	99880.000
3	16:15:37	94.288%	22.700	49.920	48.270	0.000	99950.000	99320.000	99760.000
X		93.212%	106.193%	104.194%	97.620%	0.000	100.674%	100.100%	100.414%
σ		1.822%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		1.955	5.946	3.750	1.109	0.000	1.282	1.198	1.025
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:14:14	115900.000	525.700	0.000	102000.000	105700.000	104900.000	90.435%	2254.000
2	16:14:56	114300.000	524.800	0.000	100800.000	103900.000	104800.000	92.036%	2245.000
3	16:15:37	113800.000	520.800	0.000	100200.000	104900.000	105100.000	92.679%	2237.000
X		114.638%	104.755%	0.000	100.999%	104.833%	104.935%	91.717%	112.271%
σ		n/a	n/a	0.000	n/a	n/a	n/a	1.155%	n/a
%RSD		0.975	0.494	0.000	0.933	0.851	0.120	1.260	0.372
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:14:14	20.510	20.050	20.400	98730.000	103600.000	19.760	19.370	20.410
2	16:14:56	19.740	20.520	20.270	97080.000	104200.000	19.910	18.650	20.470
3	16:15:37	19.850	20.250	20.930	97080.000	104300.000	20.090	20.570	21.160
X		100.181%	101.361%	102.673%	97.630%	104.055%	99.605%	97.650%	103.400%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		2.085	1.177	1.710	0.976	0.348	0.843	4.976	2.025
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:14:14	21.370	23.240	20.450	19.710	48.070	48.440	0.000	23.810
2	16:14:56	19.670	23.330	21.930	19.990	49.990	52.330	0.000	23.840
3	16:15:37	22.040	23.340	22.400	22.220	52.180	52.650	0.000	23.580
X		105.130%	93.225%	86.372%	103.195%	100.159%	102.283%	0.000	118.722%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		5.826	0.241	4.721	6.658	4.100	4.577	0.000	0.593
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:14:14	101.368%	2070.000	2141.000	88.426%	20.340	20.470	20.470	19.670
2	16:14:56	103.458%	2081.000	2148.000	90.684%	21.010	19.940	20.920	20.020
3	16:15:37	104.570%	2088.000	2167.000	91.161%	20.010	19.750	19.950	19.510
X		103.132%	103.998%	107.590%	90.091%	102.269%	100.258%	102.225%	98.669%
σ		1.626%	n/a	n/a	1.461%	n/a	n/a	n/a	n/a
%RSD		1.576	0.433	0.614	1.621	2.498	1.874	2.383	1.333
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:14:14	96.156%	110.400	21.320	21.470	20.900	20.460	103.455%	104.895%
2	16:14:56	99.302%	108.500	21.960	21.260	22.380	21.610	106.416%	108.235%
3	16:15:37	100.208%	110.400	21.580	21.670	21.430	21.730	108.098%	110.064%
X		98.555%	109.762%	108.098%	107.333%	107.843%	106.326%	105.990%	107.731%
σ		2.127%	n/a	n/a	n/a	n/a	n/a	2.351%	2.621%
%RSD		2.158	0.987	1.487	0.952	3.484	3.307	2.218	2.433
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	16:14:14	20.360	20.360	21.400	21.530	21.390	102.212%		
2	16:14:56	21.090	20.700	21.360	21.310	21.450	105.234%		
3	16:15:37	21.010	20.890	21.290	21.670	21.590	105.119%		
X		104.115%	103.255%	106.752%	107.513%	107.397%	104.188%		
σ		n/a	n/a	n/a	n/a	n/a	1.713%		
%RSD		1.924	1.291	0.241	0.857	0.471	1.644		

CCV 664806 12/29/2012 4:21:21 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	16:22:03	87.342%	102.900	107.600	97.350	0.000	50640.000	50570.000	45700.000
2	16:22:44	87.952%	100.700	105.900	99.090	0.000	50130.000	45490.000	45990.000
3	16:23:26	89.616%	104.000	96.410	99.390	0.000	49630.000	45570.000	45850.000
X		88.303%	102.567%	103.295%	98.612%	0.000	100.271%	94.421%	91.695%
σ		1.177%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		1.333	1.642	5.831	1.118	0.000	1.004	6.172	0.314
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:22:03	514.800	5066.000	0.000	50150.000	50850.000	50150.000	92.109%	101.400
2	16:22:44	509.400	5097.000	0.000	49920.000	50970.000	50400.000	93.088%	103.600
3	16:23:26	508.400	5082.000	0.000	49630.000	50980.000	51020.000	93.151%	100.200
X		102.170%	101.637%	0.000	99.794%	101.863%	101.046%	92.783%	101.716%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.584%	n/a
%RSD		0.679	0.307	0.000	0.526	0.139	0.883	0.629	1.741
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:22:03	97.770	99.190	503.100	24740.000	25300.000	101.200	100.500	100.200
2	16:22:44	99.300	99.940	507.600	24360.000	25300.000	101.300	100.200	101.900
3	16:23:26	101.100	101.300	510.100	24350.000	25480.000	102.100	100.900	102.400
X		99.380%	100.159%	101.382%	97.939%	101.437%	101.544%	100.534%	101.472%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		1.665	1.095	0.704	0.920	0.396	0.463	0.344	1.149
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:22:03	101.000	103.700	106.000	102.900	96.820	101.200	0.000	99.390
2	16:22:44	101.500	102.400	104.300	100.600	104.300	103.700	0.000	99.340
3	16:23:26	102.100	104.900	103.600	100.300	101.000	103.900	0.000	98.420
X		101.559%	103.682%	104.634%	101.275%	100.705%	102.954%	0.000	99.052%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		0.566	1.250	1.194	1.409	3.742	1.448	0.000	0.553
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:22:03	97.150%	103.100	103.500	95.325%	98.370	97.350	98.180	97.060
2	16:22:44	99.072%	102.500	102.700	97.379%	97.570	97.930	100.300	96.800
3	16:23:26	99.645%	105.100	103.200	97.906%	98.990	97.920	97.030	96.480
X		98.622%	103.571%	103.144%	96.870%	98.311%	97.734%	98.512%	96.781%
σ		1.307%	n/a	n/a	1.364%	n/a	n/a	n/a	n/a
%RSD		1.325	1.322	0.409	1.408	0.722	0.337	1.693	0.304
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:22:03	99.780%	99.470	100.400	99.170	97.960	96.860	104.235%	106.705%
2	16:22:44	103.954%	98.110	98.940	100.400	99.310	99.180	108.104%	109.368%
3	16:23:26	104.779%	99.330	99.130	98.250	97.890	99.830	109.767%	110.787%
X		102.838%	98.969%	99.492%	99.285%	98.386%	98.622%	107.368%	108.954%
σ		2.680%	n/a	n/a	n/a	n/a	n/a	2.838%	2.072%
%RSD		2.606	0.754	0.802	1.101	0.812	1.587	2.643	1.902
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	16:22:03	99.950	99.110	100.200	99.210	99.690	103.595%		
2	16:22:44	99.320	99.730	101.000	99.500	100.000	107.133%		
3	16:23:26	100.200	99.890	100.100	99.650	100.000	107.969%		
X		99.836%	99.577%	100.453%	99.454%	99.910%	106.232%		
σ		n/a	n/a	n/a	n/a	n/a	2.322%		
%RSD		0.465	0.413	0.517	0.223	0.194	2.185		

CCB1 12/29/2012 4:28:29 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	16:29:10	97.260%	-0.031	0.098	0.577	0.000	-30.430	3.497	4.598
2	16:29:52	100.338%	-0.000	0.174	0.277	0.000	-29.890	4.539	3.702
3	16:30:34	102.955%	-0.031	0.253	0.125	0.000	-25.840	8.476	7.005
X		100.184%	-0.021	0.175	0.326	0.000	-28.720	5.504	5.102
σ		2.851%	0.017	0.078	0.230	0.000	2.506	2.626	1.708
%RSD		2.845	84.690	44.330	70.480	0.000	8.726	47.710	33.480
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:29:10	-2.781	3.904	0.000	29.230	18.880	4.814	103.316%	0.264
2	16:29:52	-3.117	3.563	0.000	29.820	14.210	2.221	105.082%	0.110
3	16:30:34	-2.068	4.233	0.000	32.190	22.760	10.210	105.050%	0.011
X		-2.655	3.900	0.000	30.410	18.620	5.748	104.483%	0.129
σ		0.535	0.335	0.000	1.568	4.284	4.076	1.011%	0.128
%RSD		20.170	8.585	0.000	5.156	23.010	70.910	0.967	99.060
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:29:10	0.050	0.061	0.061	17.130	20.270	-0.020	0.048	0.042
2	16:29:52	-0.005	-0.007	0.051	11.840	16.020	-0.002	0.063	-0.037
3	16:30:34	0.029	0.022	0.067	11.170	12.920	0.004	0.014	-0.022
X		0.025	0.025	0.060	13.380	16.410	-0.006	0.041	-0.006
σ		0.027	0.034	0.008	3.266	3.691	0.013	0.025	0.042
%RSD		111.100	133.300	13.340	24.410	22.500	218.000	60.940	749.600
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:29:10	0.161	0.254	0.361	0.049	0.108	0.316	0.000	0.015
2	16:29:52	0.104	0.404	0.112	-0.128	0.211	-0.205	0.000	0.001
3	16:30:34	0.021	0.147	0.419	0.040	-0.373	-0.234	0.000	0.037
X		0.095	0.268	0.297	-0.013	-0.018	-0.041	0.000	0.018
σ		0.071	0.129	0.163	0.100	0.311	0.309	0.000	0.018
%RSD		74.120	48.170	54.820	774.200	1742.000	756.900	0.000	101.200
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:29:10	104.669%	1.012	0.862	105.402%	0.023	0.017	0.181	0.055
2	16:29:52	106.783%	0.895	0.894	107.505%	0.004	0.008	0.060	-0.043
3	16:30:34	107.976%	0.734	0.743	108.429%	0.015	0.012	0.048	-0.010
X		106.476%	0.880	0.833	107.112%	0.014	0.012	0.097	0.001
σ		1.675%	0.139	0.079	1.551%	0.009	0.004	0.073	0.050
%RSD		1.573	15.820	9.535	1.448	66.690	33.200	76.120	9152.000
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:29:10	106.851%	0.315	0.025	0.003	-0.055	-0.017	107.584%	108.035%
2	16:29:52	109.450%	0.353	0.032	-0.003	-0.097	-0.065	110.443%	110.689%
3	16:30:34	109.877%	0.007	0.031	0.007	-0.077	-0.030	111.243%	111.671%
X		108.726%	0.225	0.029	0.002	-0.077	-0.037	109.757%	110.132%
σ		1.638%	0.190	0.004	0.005	0.021	0.025	1.923%	1.881%
%RSD		1.506	84.160	12.760	203.600	27.240	67.270	1.752	1.708
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	16:29:10	0.049	0.040	0.048	0.019	0.033	110.244%		
2	16:29:52	0.052	0.046	0.009	0.021	0.026	112.504%		
3	16:30:34	0.040	0.051	0.014	0.011	0.022	113.573%		
X		0.047	0.046	0.024	0.017	0.027	112.107%		
σ		0.006	0.005	0.022	0.005	0.006	1.700%		
%RSD		13.010	11.830	90.540	29.430	20.660	1.516		

MB 180-59010/1-A

12/29/2012 4:35:36 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	16:36:17	101.869%	-0.001	-0.272	0.093	0.000	-43.110	-1.320	-0.674
2	16:36:59	104.127%	-0.031	-0.077	-0.011	0.000	-42.040	-0.856	-0.232
3	16:37:41	104.301%	-0.031	-0.184	-0.136	0.000	-39.510	-1.163	-0.178
X		103.432%	-0.021	-0.178	-0.018	0.000	-41.550	-1.113	-0.361
σ		1.357%	0.017	0.098	0.115	0.000	1.849	0.236	0.273
%RSD		1.312	82.980	54.990	646.700	0.000	4.449	21.190	75.440
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:36:17	-3.589	7.524	0.000	20.640	-2.960	1.495	104.618%	-0.038
2	16:36:59	-3.488	6.341	0.000	22.060	18.280	2.605	106.030%	0.109
3	16:37:41	-3.260	7.431	0.000	22.430	9.810	1.868	105.771%	0.109
X		-3.446	7.099	0.000	21.710	8.376	1.989	105.473%	0.060
σ		0.169	0.658	0.000	0.949	10.690	0.565	0.752%	0.085
%RSD		4.889	9.265	0.000	4.369	127.600	28.370	0.713	141.000
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:36:17	0.110	0.050	0.001	6.206	8.026	-0.026	0.080	0.141
2	16:36:59	0.011	0.051	0.018	5.184	6.374	-0.020	0.013	0.126
3	16:37:41	-0.000	0.041	-0.002	4.357	7.457	-0.014	0.014	0.002
X		0.040	0.048	0.006	5.249	7.286	-0.020	0.036	0.090
σ		0.060	0.006	0.011	0.926	0.839	0.006	0.038	0.077
%RSD		150.600	11.640	195.200	17.640	11.520	30.160	107.600	85.250
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:36:17	0.123	1.818	1.610	-0.145	0.069	-0.427	0.000	-0.035
2	16:36:59	0.053	1.571	2.099	-0.324	-2.099	-0.902	0.000	-0.021
3	16:37:41	0.087	1.596	1.200	0.145	-1.262	0.791	0.000	-0.035
X		0.088	1.662	1.636	-0.108	-1.097	-0.179	0.000	-0.031
σ		0.035	0.136	0.450	0.237	1.093	0.873	0.000	0.008
%RSD		40.180	8.189	27.510	219.200	99.680	487.000	0.000	26.470
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:36:17	105.495%	0.484	0.395	106.009%	0.001	-0.003	0.054	0.009
2	16:36:59	106.915%	0.282	0.335	107.931%	0.004	-0.003	0.003	-0.020
3	16:37:41	106.490%	0.474	0.421	107.877%	-0.003	-0.003	0.005	-0.051
X		106.300%	0.414	0.384	107.272%	0.001	-0.003	0.020	-0.021
σ		0.729%	0.114	0.044	1.095%	0.004	0.000	0.029	0.030
%RSD		0.686	27.540	11.590	1.020	519.600	1.345	141.100	145.900
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:36:17	106.717%	1.604	0.009	-0.012	-0.097	-0.053	106.864%	107.934%
2	16:36:59	108.139%	1.483	-0.003	-0.023	-0.077	-0.065	109.299%	109.690%
3	16:37:41	109.307%	1.338	0.005	-0.018	-0.036	-0.030	108.903%	110.126%
X		108.054%	1.475	0.004	-0.018	-0.070	-0.049	108.356%	109.250%
σ		1.297%	0.133	0.006	0.005	0.031	0.018	1.307%	1.161%
%RSD		1.200	9.043	170.500	29.680	43.990	36.920	1.206	1.062
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	16:36:17	0.021	0.025	0.007	0.025	0.014	110.691%		
2	16:36:59	0.016	0.015	0.014	0.018	0.017	112.159%		
3	16:37:41	0.023	0.010	0.006	0.015	0.017	112.245%		
X		0.020	0.017	0.009	0.019	0.016	111.698%		
σ		0.003	0.008	0.005	0.005	0.002	0.874%		
%RSD		17.280	46.750	50.290	26.420	9.533	0.782		

LCS 180-59010/2-A

12/29/2012 4:39:49 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:40:31	94.663%	50.140	984.200	957.900	0.000	47880.000	42790.000	43220.000
2	16:41:13	94.972%	51.320	1024.000	979.800	0.000	47530.000	43370.000	47480.000
3	16:41:54	94.304%	50.540	1034.000	986.300	0.000	47680.000	43470.000	43880.000
X		94.646%	50.670	1014.000	974.700	0.000	47700.000	43210.000	44860.000
σ		0.335%	0.599	26.270	14.870	0.000	172.800	368.400	2293.000
%RSD		0.354	1.181	2.591	1.525	0.000	0.362	0.853	5.112
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:40:31	1905.000	9492.000	0.000	48380.000	50080.000	48890.000	92.944%	961.000
2	16:41:13	1920.000	9513.000	0.000	47630.000	49320.000	48770.000	94.877%	972.600
3	16:41:54	1926.000	9570.000	0.000	47500.000	50000.000	48960.000	94.411%	968.400
X		1917.000	9525.000	0.000	47840.000	49800.000	48870.000	94.077%	967.300
σ		10.730	40.360	0.000	472.300	417.100	94.450	1.009%	5.890
%RSD		0.560	0.424	0.000	0.987	0.838	0.193	1.072	0.609
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:40:31	488.400	194.500	489.700	921.200	1186.000	481.900	485.700	244.200
2	16:41:13	486.900	194.100	489.800	923.800	1190.000	481.900	484.900	240.700
3	16:41:54	482.600	193.900	493.400	926.700	1203.000	482.600	477.300	236.300
X		486.000	194.100	491.000	923.900	1193.000	482.100	482.600	240.400
σ		2.997	0.310	2.109	2.752	9.095	0.431	4.616	3.949
%RSD		0.617	0.160	0.430	0.298	0.762	0.089	0.957	1.643
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:40:31	238.400	510.700	514.000	38.500	10.490	10.790	0.000	953.900
2	16:41:13	237.800	515.700	522.600	38.780	8.410	9.416	0.000	961.500
3	16:41:54	240.700	515.100	516.100	37.050	11.220	9.252	0.000	960.000
X		239.000	513.800	517.600	38.110	10.040	9.820	0.000	958.400
σ		1.546	2.731	4.463	0.928	1.458	0.847	0.000	4.020
%RSD		0.647	0.532	0.862	2.434	14.520	8.622	0.000	0.419
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:40:31	97.872%	937.200	944.700	94.825%	48.360	48.300	50.520	41.420
2	16:41:13	99.837%	969.200	980.400	97.277%	48.100	49.200	51.420	41.450
3	16:41:54	99.787%	972.700	980.800	97.366%	47.900	47.570	49.540	41.690
X		99.166%	959.700	968.600	96.490%	48.120	48.360	50.500	41.520
σ		1.120%	19.590	20.760	1.442%	0.230	0.819	0.940	0.149
%RSD		1.130	2.041	2.143	1.495	0.478	1.693	1.862	0.358
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:40:31	99.840%	1964.000	490.900	491.700	1922.000	1922.000	104.752%	106.444%
2	16:41:13	102.197%	1991.000	499.700	498.900	1920.000	1928.000	108.458%	109.237%
3	16:41:54	104.372%	1973.000	493.500	494.700	1923.000	1911.000	108.673%	110.965%
X		102.137%	1976.000	494.700	495.100	1922.000	1920.000	107.294%	108.882%
σ		2.267%	14.110	4.532	3.648	1.633	8.671	2.204%	2.282%
%RSD		2.219	0.714	0.916	0.737	0.085	0.452	2.055	2.095
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	16:40:31	45.350	45.650	19.870	19.400	19.600	105.065%		
2	16:41:13	47.030	47.170	19.800	19.780	19.940	107.389%		
3	16:41:54	48.310	47.510	20.090	20.540	20.220	107.593%		
X		46.900	46.780	19.920	19.910	19.920	106.683%		
σ		1.484	0.989	0.152	0.579	0.311	1.404%		
%RSD		3.164	2.114	0.763	2.906	1.561	1.316		

LCSD 180-59010/3-A

12/29/2012 4:44:03 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:44:44	96.502%	50.270	1007.000	968.000	0.000	47820.000	43630.000	44010.000
2	16:45:26	97.184%	49.890	980.800	979.500	0.000	47430.000	43730.000	47850.000
3	16:46:08	95.922%	49.860	1007.000	976.300	0.000	47790.000	44150.000	44700.000
X		96.536%	50.000	998.300	974.600	0.000	47680.000	43840.000	45520.000
σ		0.632%	0.230	15.140	5.938	0.000	214.600	276.600	2045.000
%RSD		0.654	0.460	1.517	0.609	0.000	0.450	0.631	4.492
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:44:44	1948.000	9833.000	0.000	49330.000	51770.000	51020.000	89.396%	1031.000
2	16:45:26	1966.000	9831.000	0.000	48900.000	51140.000	51100.000	89.284%	1015.000
3	16:46:08	1971.000	9932.000	0.000	49380.000	52020.000	51670.000	87.840%	1037.000
X		1962.000	9865.000	0.000	49200.000	51640.000	51260.000	88.840%	1028.000
σ		11.740	57.420	0.000	260.700	456.000	351.700	0.868%	11.530
%RSD		0.598	0.582	0.000	0.530	0.883	0.686	0.977	1.122
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:44:44	511.300	205.100	516.600	851.400	1088.000	511.000	514.300	255.700
2	16:45:26	513.800	205.800	517.000	851.000	1138.000	515.000	509.400	254.200
3	16:46:08	522.000	208.000	521.100	859.800	1102.000	515.600	518.400	258.300
X		515.700	206.300	518.200	854.100	1110.000	513.900	514.000	256.100
σ		5.611	1.549	2.468	4.974	25.670	2.493	4.518	2.051
%RSD		1.088	0.751	0.476	0.582	2.313	0.485	0.879	0.801
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:44:44	253.100	538.900	534.600	41.850	9.946	8.838	0.000	980.600
2	16:45:26	255.700	544.000	545.300	40.310	9.114	11.590	0.000	990.500
3	16:46:08	255.600	542.200	548.800	41.730	11.060	11.110	0.000	988.100
X		254.800	541.700	542.900	41.300	10.040	10.510	0.000	986.400
σ		1.471	2.591	7.406	0.857	0.975	1.471	0.000	5.171
%RSD		0.577	0.478	1.364	2.075	9.713	13.990	0.000	0.524
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:44:44	95.725%	985.300	993.000	92.945%	50.600	50.000	50.010	42.880
2	16:45:26	95.752%	1010.000	1007.000	94.124%	49.930	48.990	51.030	42.240
3	16:46:08	95.731%	1018.000	1020.000	93.230%	50.700	49.860	53.480	43.560
X		95.736%	1004.000	1007.000	93.433%	50.410	49.620	51.500	42.890
σ		0.014%	16.980	13.750	0.616%	0.420	0.550	1.782	0.660
%RSD		0.015	1.691	1.366	0.659	0.833	1.109	3.460	1.539
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:44:44	98.376%	2035.000	505.700	501.800	1963.000	1982.000	103.403%	106.142%
2	16:45:26	100.113%	2027.000	505.700	505.500	1971.000	1968.000	105.958%	106.819%
3	16:46:08	99.057%	2040.000	507.100	511.200	1985.000	1979.000	105.655%	106.816%
X		99.182%	2034.000	506.200	506.200	1973.000	1976.000	105.005%	106.592%
σ		0.875%	6.766	0.806	4.722	11.090	7.646	1.396%	0.390%
%RSD		0.882	0.333	0.159	0.933	0.562	0.387	1.329	0.366
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	16:44:44	48.770	48.170	20.640	20.940	20.670	102.466%		
2	16:45:26	50.220	50.050	21.050	20.950	20.970	102.728%		
3	16:46:08	50.480	50.660	21.180	20.720	21.020	102.295%		
X		49.820	49.630	20.960	20.870	20.890	102.496%		
σ		0.920	1.296	0.284	0.132	0.189	0.218%		
%RSD		1.847	2.612	1.354	0.630	0.906	0.213		

180-17465-E-1-B

12/29/2012 4:48:17 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:48:58	93.825%	-0.031	161.100	167.000	0.000	36800.000	9509.000	9571.000
2	16:49:40	95.030%	0.002	165.000	165.000	0.000	36540.000	9577.000	9581.000
3	16:50:21	94.214%	0.002	163.600	166.100	0.000	36640.000	9596.000	9608.000
X		94.356%	-0.009	163.200	166.000	0.000	36660.000	9560.000	9587.000
σ		0.615%	0.019	1.990	0.991	0.000	130.600	45.640	18.730
%RSD		0.652	204.000	1.219	0.597	0.000	0.356	0.477	0.195
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:48:58	-1.924	5947.000	0.000	1670.000	26900.000	27180.000	88.875%	3.473
2	16:49:40	-2.541	5967.000	0.000	1684.000	27500.000	27140.000	89.229%	2.179
3	16:50:21	-2.396	5914.000	0.000	1673.000	26840.000	27100.000	89.581%	1.591
X		-2.287	5942.000	0.000	1676.000	27080.000	27140.000	89.228%	2.414
σ		0.323	26.790	0.000	7.250	362.700	37.320	0.353%	0.963
%RSD		14.120	0.451	0.000	0.433	1.339	0.138	0.396	39.860
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:48:58	-0.432	0.595	52.220	228.100	317.400	0.121	0.241	1.196
2	16:49:40	-1.689	0.516	52.490	225.800	305.900	0.076	0.118	1.077
3	16:50:21	-0.953	0.488	52.670	221.600	306.000	0.040	0.103	1.087
X		-1.025	0.533	52.460	225.200	309.800	0.079	0.154	1.120
σ		0.632	0.056	0.227	3.278	6.605	0.041	0.075	0.066
%RSD		61.620	10.460	0.432	1.456	2.132	51.500	48.880	5.890
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:48:58	1.439	2.223	3.121	1.133	-0.665	-0.812	0.000	762.100
2	16:49:40	1.239	2.187	3.261	2.179	-1.222	-0.631	0.000	773.200
3	16:50:21	1.155	2.150	3.442	0.782	-1.242	-1.129	0.000	764.200
X		1.278	2.187	3.275	1.365	-1.043	-0.857	0.000	766.500
σ		0.146	0.036	0.161	0.726	0.328	0.252	0.000	5.919
%RSD		11.440	1.648	4.907	53.230	31.430	29.400	0.000	0.772
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:48:58	91.417%	12.740	12.020	89.868%	0.002	0.020	-0.005	-0.151
2	16:49:40	92.054%	7.237	7.785	90.813%	0.014	0.015	0.040	-0.114
3	16:50:21	92.772%	5.246	5.354	91.079%	0.006	0.006	0.039	-0.111
X		92.081%	8.409	8.385	90.587%	0.007	0.014	0.024	-0.125
σ		0.678%	3.884	3.372	0.637%	0.006	0.007	0.026	0.022
%RSD		0.736	46.190	40.210	0.703	85.420	50.180	106.100	17.970
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:48:58	95.449%	15.070	0.238	0.268	327.000	324.800	99.568%	101.071%
2	16:49:40	96.700%	10.480	0.156	0.169	328.800	330.500	101.270%	103.331%
3	16:50:21	97.075%	8.274	0.116	0.112	332.400	330.200	102.038%	103.130%
X		96.408%	11.270	0.170	0.183	329.400	328.500	100.959%	102.511%
σ		0.851%	3.466	0.062	0.079	2.777	3.188	1.264%	1.251%
%RSD		0.883	30.750	36.490	43.100	0.843	0.970	1.252	1.220
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	16:48:58	1.171	1.126	0.142	0.152	0.138	101.653%		
2	16:49:40	0.827	0.858	0.131	0.116	0.116	102.889%		
3	16:50:21	0.629	0.649	0.110	0.096	0.100	103.192%		
X		0.876	0.878	0.127	0.121	0.118	102.578%		
σ		0.274	0.239	0.016	0.029	0.019	0.816%		
%RSD		31.280	27.200	12.820	23.540	16.110	0.795		

180-17465-E-1-B SD@5

12/29/2012 4:52:31 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	16:53:12	84.505%	0.005	39.820	40.790	0.000	7456.000	1918.000	1917.000
2	16:53:54	84.845%	0.041	39.280	39.960	0.000	7490.000	1929.000	1920.000
3	16:54:35	86.366%	-0.031	33.540	39.300	0.000	7396.000	1916.000	1914.000
X		85.239%	0.005	37.550	40.010	0.000	7447.000	1921.000	1917.000
σ		0.991%	0.036	3.482	0.749	0.000	47.430	7.123	2.879
%RSD		1.162	685.900	9.274	1.872	0.000	0.637	0.371	0.150
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:53:12	-3.372	1184.000	0.000	351.000	5627.000	5391.000	84.915%	0.829
2	16:53:54	-3.270	1186.000	0.000	355.400	5602.000	5463.000	84.961%	1.194
3	16:54:35	-3.622	1186.000	0.000	355.400	5458.000	5516.000	85.066%	0.949
X		-3.422	1185.000	0.000	353.900	5562.000	5456.000	84.981%	0.991
σ		0.181	1.191	0.000	2.530	91.220	62.960	0.078%	0.186
%RSD		5.301	0.101	0.000	0.715	1.640	1.154	0.091	18.780
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:53:12	0.121	0.146	10.500	47.310	65.180	0.205	0.300	0.542
2	16:53:54	0.050	0.061	10.430	46.640	61.300	0.127	0.199	0.470
3	16:54:35	-0.372	0.142	10.920	46.530	62.510	0.150	0.320	0.345
X		-0.067	0.116	10.620	46.830	63.000	0.161	0.273	0.452
σ		0.267	0.048	0.265	0.425	1.984	0.040	0.065	0.100
%RSD		398.000	41.360	2.491	0.907	3.150	24.650	23.910	22.100
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:53:12	0.377	0.948	1.555	0.170	-1.280	-0.838	0.000	151.900
2	16:53:54	0.493	0.650	1.543	-0.346	-0.968	-0.958	0.000	153.600
3	16:54:35	0.515	1.031	1.099	-0.477	-1.634	-1.939	0.000	153.400
X		0.462	0.876	1.399	-0.217	-1.294	-1.245	0.000	152.900
σ		0.074	0.200	0.259	0.342	0.333	0.604	0.000	0.921
%RSD		16.080	22.870	18.550	157.300	25.730	48.500	0.000	0.602
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:53:12	86.762%	2.500	2.444	86.980%	0.002	0.016	0.034	-0.042
2	16:53:54	87.800%	2.397	2.371	87.778%	0.028	0.016	0.089	-0.050
3	16:54:35	87.297%	2.114	2.050	87.587%	0.028	0.016	-0.045	-0.062
X		87.286%	2.337	2.288	87.448%	0.019	0.016	0.026	-0.051
σ		0.519%	0.200	0.210	0.417%	0.015	0.000	0.067	0.010
%RSD		0.595	8.566	9.157	0.477	76.570	0.997	260.100	19.270
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:53:12	90.617%	4.743	0.266	0.242	66.190	66.890	95.164%	95.903%
2	16:53:54	92.174%	4.147	0.188	0.297	64.420	66.080	96.237%	97.336%
3	16:54:35	91.980%	4.307	0.175	0.232	66.700	65.360	96.566%	96.393%
X		91.590%	4.399	0.209	0.257	65.770	66.110	95.989%	96.544%
σ		0.848%	0.309	0.049	0.035	1.198	0.761	0.733%	0.728%
%RSD		0.926	7.017	23.550	13.490	1.822	1.152	0.764	0.754
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	16:53:12	0.454	0.430	0.024	0.025	0.030	96.218%		
2	16:53:54	0.433	0.407	0.024	0.032	0.029	97.303%		
3	16:54:35	0.420	0.320	0.027	0.024	0.040	97.930%		
X		0.436	0.385	0.025	0.027	0.033	97.150%		
σ		0.017	0.058	0.002	0.004	0.006	0.866%		
%RSD		3.841	15.080	6.052	14.950	18.910	0.892		

180-17460-A-1-A

12/29/2012 4:56:45 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	16:57:27	86.384%	0.040	33.880	33.720	0.000	15360.000	5170.000	5169.000
2	16:58:09	86.428%	0.146	34.600	34.600	0.000	15350.000	5220.000	5216.000
3	16:58:51	88.002%	0.178	29.890	33.330	0.000	15120.000	5137.000	5160.000
X		86.938%	0.121	32.790	33.880	0.000	15280.000	5176.000	5182.000
σ		0.922%	0.072	2.537	0.647	0.000	135.300	42.170	29.750
%RSD		1.060	59.480	7.739	1.909	0.000	0.886	0.815	0.574
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:57:27	978.300	3459.000	0.000	2004.000	24750.000	24530.000	82.998%	9.719
2	16:58:09	981.400	3456.000	0.000	2006.000	24850.000	24430.000	83.608%	10.330
3	16:58:51	976.500	3403.000	0.000	2018.000	25180.000	24500.000	83.497%	9.842
X		978.700	3439.000	0.000	2009.000	24920.000	24490.000	83.367%	9.962
σ		2.465	31.460	0.000	7.661	224.300	47.380	0.325%	0.321
%RSD		0.252	0.915	0.000	0.381	0.900	0.194	0.390	3.224
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:57:27	0.727	1.953	264.800	2066.000	2530.000	2.808	5.267	30.350
2	16:58:09	1.140	1.810	266.900	2072.000	2603.000	2.890	6.167	29.530
3	16:58:51	1.343	1.952	267.300	2082.000	2547.000	2.863	6.894	28.550
X		1.070	1.905	266.300	2073.000	2560.000	2.854	6.110	29.470
σ		0.314	0.082	1.333	8.526	38.410	0.042	0.815	0.901
%RSD		29.330	4.307	0.501	0.411	1.500	1.460	13.340	3.058
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:57:27	27.630	27.130	28.350	0.833	-0.684	-0.927	0.000	124.800
2	16:58:09	27.530	28.080	30.350	0.035	-0.499	-2.002	0.000	126.200
3	16:58:51	30.070	27.910	26.620	0.495	-1.070	-0.067	0.000	125.800
X		28.410	27.710	28.440	0.454	-0.751	-0.999	0.000	125.600
σ		1.436	0.508	1.870	0.400	0.291	0.970	0.000	0.707
%RSD		5.055	1.833	6.573	88.080	38.760	97.090	0.000	0.563
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:57:27	86.485%	1.238	1.621	84.379%	0.034	0.032	0.224	0.152
2	16:58:09	87.674%	1.609	1.552	85.890%	0.072	0.073	0.001	0.025
3	16:58:51	87.912%	1.357	1.523	86.236%	0.029	0.035	0.008	0.117
X		87.357%	1.401	1.565	85.502%	0.045	0.046	0.078	0.098
σ		0.765%	0.190	0.050	0.988%	0.024	0.023	0.127	0.066
%RSD		0.875	13.540	3.225	1.155	53.220	48.990	162.700	67.130
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:57:27	88.135%	5.341	0.183	0.152	45.790	46.100	93.094%	94.343%
2	16:58:09	91.642%	5.105	0.189	0.162	48.870	46.890	96.223%	97.280%
3	16:58:51	91.464%	4.710	0.222	0.240	45.850	45.580	96.456%	97.519%
X		90.414%	5.052	0.198	0.185	46.840	46.190	95.258%	96.381%
σ		1.975%	0.319	0.021	0.048	1.760	0.661	1.877%	1.769%
%RSD		2.185	6.309	10.500	26.020	3.758	1.432	1.971	1.835
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	16:57:27	0.247	0.278	5.653	5.732	5.691	97.148%		
2	16:58:09	0.215	0.271	5.806	5.670	5.715	98.242%		
3	16:58:51	0.228	0.226	5.799	5.747	5.751	99.369%		
X		0.230	0.258	5.753	5.716	5.719	98.253%		
σ		0.016	0.028	0.086	0.041	0.030	1.111%		
%RSD		6.944	10.930	1.500	0.716	0.521	1.130		

180-17460-A-2-A

12/29/2012 5:01:01 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:01:43	86.269%	0.040	30.260	31.620	0.000	15830.000	4886.000	4871.000
2	17:02:25	87.806%	-0.031	29.890	30.870	0.000	15830.000	4898.000	4891.000
3	17:03:06	87.204%	0.074	30.730	30.550	0.000	15840.000	4897.000	4924.000
X		87.093%	0.028	30.300	31.010	0.000	15830.000	4894.000	4896.000
σ		0.774%	0.054	0.418	0.551	0.000	3.879	6.397	26.990
%RSD		0.889	191.500	1.380	1.777	0.000	0.024	0.131	0.551
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:01:43	570.900	2292.000	0.000	1923.000	23900.000	23240.000	81.535%	2.075
2	17:02:25	571.000	2304.000	0.000	1932.000	23460.000	23210.000	81.732%	1.499
3	17:03:06	577.800	2301.000	0.000	1930.000	23740.000	23450.000	81.500%	2.648
X		573.300	2299.000	0.000	1928.000	23700.000	23300.000	81.589%	2.074
σ		3.953	6.071	0.000	4.826	218.800	129.400	0.125%	0.575
%RSD		0.690	0.264	0.000	0.250	0.923	0.555	0.153	27.710
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:01:43	-0.553	0.747	47.960	683.100	889.200	0.222	2.718	56.360
2	17:02:25	-1.436	0.876	47.910	679.800	859.000	0.296	2.938	57.610
3	17:03:06	-0.646	0.702	48.270	681.500	868.000	0.292	2.692	57.020
X		-0.878	0.775	48.050	681.500	872.100	0.270	2.783	57.000
σ		0.486	0.090	0.194	1.610	15.500	0.042	0.135	0.622
%RSD		55.290	11.660	0.404	0.236	1.777	15.510	4.858	1.091
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:01:43	56.700	143.200	141.500	-0.644	-1.654	-2.650	0.000	120.400
2	17:02:25	56.000	140.700	142.200	-0.118	-1.087	-0.925	0.000	120.700
3	17:03:06	56.370	143.900	140.600	-0.281	-1.435	-1.087	0.000	121.900
X		56.360	142.600	141.400	-0.348	-1.392	-1.554	0.000	121.000
σ		0.351	1.663	0.774	0.270	0.286	0.952	0.000	0.778
%RSD		0.623	1.166	0.547	77.540	20.530	61.280	0.000	0.643
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:01:43	84.117%	1.194	1.451	83.342%	0.093	0.056	0.277	0.110
2	17:02:25	84.816%	1.104	1.115	84.230%	0.029	0.036	0.115	0.080
3	17:03:06	84.806%	0.915	0.938	84.030%	0.025	0.060	0.221	0.024
X		84.580%	1.071	1.168	83.868%	0.049	0.051	0.204	0.071
σ		0.401%	0.143	0.261	0.466%	0.038	0.013	0.082	0.043
%RSD		0.474	13.300	22.300	0.555	77.530	25.390	40.290	60.790
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:01:43	89.444%	3.828	0.119	0.101	35.640	34.740	93.385%	94.523%
2	17:02:25	90.105%	4.024	0.094	0.118	35.020	34.100	94.320%	96.013%
3	17:03:06	89.535%	3.858	0.142	0.094	36.250	35.930	94.484%	96.018%
X		89.695%	3.903	0.119	0.104	35.640	34.930	94.063%	95.518%
σ		0.358%	0.106	0.024	0.012	0.615	0.926	0.593%	0.862%
%RSD		0.399	2.713	20.120	11.620	1.725	2.653	0.630	0.902
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	17:01:43	0.183	0.160	8.535	8.144	8.240	95.499%		
2	17:02:25	0.209	0.162	8.533	8.408	8.393	96.636%		
3	17:03:06	0.159	0.187	8.470	8.354	8.414	96.633%		
X		0.183	0.170	8.513	8.302	8.349	96.256%		
σ		0.025	0.015	0.037	0.140	0.095	0.655%		
%RSD		13.410	8.959	0.433	1.684	1.140	0.681		

180-17457-C-3-A 12/29/2012 5:05:16 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	17:05:58	84.026%	0.006	2076.000	1989.000	0.000	53600.000	99270.000	98850.000
2	17:06:40	83.329%	-0.031	2120.000	2007.000	0.000	50780.000	93370.000	92930.000
3	17:07:21	84.041%	0.006	2177.000	2040.000	0.000	53660.000	99540.000	99610.000
X		83.799%	-0.006	2124.000	2012.000	0.000	52680.000	97400.000	97130.000
σ		0.407%	0.021	50.510	25.860	0.000	1643.000	3489.000	3657.000
%RSD		0.485	329.500	2.378	1.285	0.000	3.119	3.582	3.765
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:05:58	61.110	3948.000	0.000	12180.000	278000.000	321700.000	78.040%	3.972
2	17:06:40	58.810	3739.000	0.000	10940.000	246700.000	283400.000	88.584%	2.800
3	17:07:21	62.860	4034.000	0.000	12190.000	282800.000	322600.000	77.376%	4.405
X		60.920	3907.000	0.000	11770.000	269200.000	309200.000	81.333%	3.726
σ		2.031	151.500	0.000	719.600	19620.000	22330.000	6.288%	0.830
%RSD		3.334	3.877	0.000	6.114	7.287	7.222	7.731	22.290
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:05:58	0.920	0.651	38.890	185.600	598.300	0.537	3.429	1.392
2	17:06:40	1.014	0.697	35.730	162.600	514.000	0.492	2.872	1.304
3	17:07:21	2.016	0.701	38.930	182.100	577.000	0.597	3.545	1.340
X		1.317	0.683	37.850	176.800	563.100	0.542	3.282	1.345
σ		0.607	0.028	1.840	12.390	43.840	0.053	0.360	0.044
%RSD		46.110	4.056	4.861	7.009	7.786	9.785	10.960	3.303
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:05:58	2.389	23.170	24.780	2.256	11.190	11.550	0.000	498.600
2	17:06:40	1.948	22.100	22.000	0.779	7.769	10.490	0.000	495.400
3	17:07:21	2.079	24.650	22.870	1.024	11.720	13.940	0.000	502.000
X		2.139	23.310	23.220	1.353	10.220	11.990	0.000	498.600
σ		0.227	1.283	1.419	0.791	2.143	1.767	0.000	3.306
%RSD		10.600	5.506	6.111	58.490	20.960	14.730	0.000	0.663
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:05:58	78.132%	5.718	5.307	74.385%	0.009	0.009	0.032	-0.131
2	17:06:40	79.519%	5.536	5.739	75.521%	0.003	0.025	0.196	0.123
3	17:07:21	79.007%	5.605	5.690	75.746%	0.003	-0.002	0.123	0.080
X		78.886%	5.620	5.579	75.217%	0.005	0.011	0.117	0.024
σ		0.701%	0.092	0.237	0.730%	0.003	0.013	0.082	0.136
%RSD		0.889	1.633	4.239	0.970	58.360	124.600	70.340	563.500
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:05:58	81.776%	6.935	0.260	0.178	27.550	28.340	88.372%	88.640%
2	17:06:40	82.441%	5.935	0.232	0.189	28.370	28.110	89.528%	90.592%
3	17:07:21	83.670%	5.681	0.213	0.277	27.510	27.670	90.375%	91.571%
X		82.629%	6.184	0.235	0.215	27.810	28.040	89.425%	90.268%
σ		0.960%	0.663	0.023	0.054	0.489	0.338	1.005%	1.492%
%RSD		1.162	10.720	9.963	25.070	1.758	1.206	1.124	1.653
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	17:05:58	0.135	0.157	0.379	0.468	0.433	84.021%		
2	17:06:40	0.122	0.154	0.458	0.375	0.422	84.591%		
3	17:07:21	0.114	0.121	0.394	0.457	0.431	85.964%		
X		0.123	0.144	0.410	0.433	0.429	84.859%		
σ		0.011	0.020	0.042	0.051	0.006	0.999%		
%RSD		8.607	13.890	10.270	11.770	1.312	1.177		

180-17417-C-1-A

12/29/2012 5:23:05 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	17:23:47	83.667%	0.265	14.470	13.490	0.000	2293.000	3626.000	3612.000
2	17:24:29	84.693%	0.006	14.150	14.670	0.000	2282.000	3644.000	3630.000
3	17:25:11	83.027%	0.081	14.420	14.050	0.000	2315.000	3611.000	3662.000
X		83.796%	0.118	14.350	14.070	0.000	2297.000	3627.000	3635.000
σ		0.841%	0.134	0.170	0.587	0.000	16.800	16.210	25.630
%RSD		1.003	113.700	1.183	4.172	0.000	0.732	0.447	0.705
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:23:47	484.800	4727.000	0.000	988.400	19370.000	19070.000	67.378%	2.528
2	17:24:29	486.600	4754.000	0.000	992.700	19180.000	19100.000	67.969%	1.742
3	17:25:11	492.700	4781.000	0.000	990.200	19250.000	19100.000	67.901%	2.431
X		488.000	4754.000	0.000	990.400	19260.000	19090.000	67.749%	2.234
σ		4.130	26.820	0.000	2.138	96.230	19.150	0.323%	0.428
%RSD		0.846	0.564	0.000	0.216	0.500	0.100	0.477	19.170
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:23:47	-0.406	0.474	538.000	262.200	339.300	5.173	12.280	9.363
2	17:24:29	-0.620	0.597	545.200	265.000	346.700	5.260	12.720	9.530
3	17:25:11	0.284	0.559	542.100	264.400	361.700	5.395	13.270	9.411
X		-0.247	0.543	541.800	263.900	349.200	5.276	12.760	9.435
σ		0.472	0.063	3.609	1.463	11.410	0.112	0.496	0.086
%RSD		190.900	11.530	0.666	0.554	3.268	2.114	3.890	0.913
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:23:47	9.816	37.040	38.320	0.674	-1.037	0.041	0.000	45.290
2	17:24:29	9.628	38.810	37.310	0.633	-1.620	0.461	0.000	47.010
3	17:25:11	8.584	40.680	38.340	-0.484	-0.650	0.516	0.000	47.040
X		9.343	38.840	37.990	0.275	-1.102	0.339	0.000	46.450
σ		0.664	1.821	0.590	0.657	0.488	0.260	0.000	1.005
%RSD		7.104	4.688	1.552	239.400	44.290	76.590	0.000	2.163
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:23:47	70.836%	0.223	0.450	72.316%	0.004	0.010	0.279	0.326
2	17:24:29	71.476%	0.379	0.258	73.715%	0.019	-0.001	0.432	0.249
3	17:25:11	71.566%	0.424	0.296	73.416%	0.009	0.015	0.118	0.169
X		71.293%	0.342	0.335	73.149%	0.011	0.008	0.276	0.248
σ		0.398%	0.106	0.102	0.737%	0.008	0.009	0.157	0.079
%RSD		0.558	30.850	30.390	1.007	71.880	106.500	56.840	31.690
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:23:47	73.372%	6.906	0.029	-0.004	155.400	150.500	82.679%	84.158%
2	17:24:29	75.073%	6.340	0.028	0.024	155.100	151.900	84.302%	85.286%
3	17:25:11	75.561%	5.878	0.033	0.017	147.300	151.900	84.701%	86.101%
X		74.669%	6.375	0.030	0.013	152.600	151.400	83.894%	85.181%
σ		1.149%	0.515	0.003	0.014	4.619	0.815	1.071%	0.976%
%RSD		1.539	8.082	9.256	114.700	3.027	0.538	1.276	1.145
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	17:23:47	0.090	0.082	0.259	0.312	0.283	82.124%		
2	17:24:29	0.085	0.070	0.271	0.296	0.273	81.761%		
3	17:25:11	0.046	0.069	0.272	0.271	0.289	80.517%		
X		0.074	0.074	0.267	0.293	0.282	81.467%		
σ		0.024	0.007	0.007	0.021	0.008	0.843%		
%RSD		32.880	10.020	2.650	7.079	2.828	1.035		

CRI 667994 12/29/2012 5:30:55 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:31:36	75.068%	0.748	4.187	6.857	0.000	60.340	80.980	80.520
2	17:32:18	76.333%	0.938	6.605	6.543	0.000	58.580	76.700	83.230
3	17:33:00	76.124%	0.738	6.764	6.322	0.000	60.200	81.480	82.430
X		75.842%	80.816%	117.039%	131.475%	0.000	74.633%	79.718%	82.060%
σ		0.678%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		0.894	13.960	24.680	4.089	0.000	1.642	3.297	1.702
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:31:36	27.650	478.600	0.000	88.400	128.400	106.800	64.601%	4.809
2	17:32:18	25.760	484.000	0.000	86.770	107.500	102.500	64.648%	4.323
3	17:33:00	27.270	485.700	0.000	86.750	154.900	105.600	65.080%	5.169
X		89.650%	96.552%	0.000	87.306%	130.269%	104.982%	64.776%	95.339%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.264%	n/a
%RSD		3.725	0.762	0.000	1.086	18.210	2.101	0.407	8.897
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:31:36	0.622	1.845	5.284	44.650	59.270	0.578	1.106	2.255
2	17:32:18	0.759	1.964	5.001	45.390	56.630	0.447	1.236	1.919
3	17:33:00	0.885	1.982	5.328	44.360	50.520	0.478	0.989	2.236
X		75.541%	96.527%	104.090%	89.602%	110.944%	100.206%	111.024%	106.842%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		17.420	3.849	3.408	1.185	8.091	13.680	11.120	8.831
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:31:36	2.028	5.215	5.646	1.053	4.744	3.964	0.000	4.825
2	17:32:18	1.787	4.795	4.882	1.438	4.425	5.263	0.000	4.922
3	17:33:00	2.052	6.125	4.990	0.725	3.880	6.068	0.000	4.871
X		97.788%	107.562%	103.457%	107.182%	86.998%	101.966%	0.000	97.457%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		7.485	12.640	7.998	33.300	10.050	20.830	0.000	0.995
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:31:36	66.936%	4.959	4.390	69.839%	0.968	1.007	0.947	0.772
2	17:32:18	67.166%	4.803	4.986	71.022%	1.094	0.905	0.886	1.071
3	17:33:00	68.182%	4.708	4.520	71.134%	0.915	1.058	0.758	1.128
X		67.428%	96.472%	92.636%	70.665%	99.227%	99.007%	86.361%	99.067%
σ		0.663%	n/a	n/a	0.718%	n/a	n/a	n/a	n/a
%RSD		0.984	2.628	6.766	1.015	9.281	7.844	11.160	19.300
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:31:36	70.137%	7.270	1.959	1.919	10.930	9.690	77.676%	78.869%
2	17:32:18	70.901%	7.277	1.984	2.079	10.150	9.455	78.648%	79.352%
3	17:33:00	70.725%	7.498	2.002	1.987	9.950	10.350	78.215%	79.615%
X		70.587%	146.966%	99.087%	99.751%	103.435%	98.322%	78.180%	79.279%
σ		0.400%	n/a	n/a	n/a	n/a	n/a	0.487%	0.379%
%RSD		0.567	1.762	1.093	4.029	5.013	4.730	0.623	0.478
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	17:31:36	1.147	1.105	1.134	1.058	1.084	73.258%		
2	17:32:18	1.034	1.089	1.116	1.152	1.077	73.856%		
3	17:33:00	1.228	1.113	0.991	0.996	1.057	74.285%		
X		113.591%	110.231%	108.044%	106.860%	107.268%	73.800%		
σ		n/a	n/a	n/a	n/a	n/a	0.516%		
%RSD		8.585	1.095	7.189	7.320	1.280	0.699		

CCV 664806 12/29/2012 5:35:11 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	17:35:53	72.844%	108.700	114.900	103.800	0.000	51350.000	44720.000	45070.000
2	17:36:34	74.030%	104.800	103.200	103.600	0.000	50950.000	45320.000	45520.000
3	17:37:16	75.622%	106.700	107.100	105.900	0.000	50970.000	45460.000	45730.000
X		74.165%	106.744%	108.413%	104.432%	0.000	102.178%	90.335%	90.879%
σ		1.394%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		1.880	1.851	5.510	1.218	0.000	0.447	0.866	0.748
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:35:53	503.300	5138.000	0.000	52290.000	53100.000	51580.000	70.174%	107.300
2	17:36:34	502.600	5157.000	0.000	51580.000	52120.000	51750.000	71.529%	102.800
3	17:37:16	509.100	5155.000	0.000	51720.000	53060.000	52610.000	72.216%	108.900
X		100.999%	103.000%	0.000	103.719%	105.523%	103.955%	71.306%	106.322%
σ		n/a	n/a	0.000	n/a	n/a	n/a	1.039%	n/a
%RSD		0.712	0.198	0.000	0.725	1.051	1.062	1.457	2.989
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:35:53	102.000	103.700	512.000	26170.000	25630.000	103.200	103.400	102.700
2	17:36:34	104.400	104.400	518.900	25740.000	26030.000	101.800	103.900	103.100
3	17:37:16	104.000	104.700	525.600	25840.000	26180.000	103.300	106.700	102.700
X		103.497%	104.295%	103.768%	103.669%	103.784%	102.809%	104.632%	102.803%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		1.233	0.503	1.317	0.872	1.080	0.818	1.700	0.216
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:35:53	98.850	105.200	105.700	100.600	99.860	101.100	0.000	99.250
2	17:36:34	103.800	106.600	103.800	100.600	100.500	101.400	0.000	100.400
3	17:37:16	99.860	103.600	107.900	98.920	96.530	101.400	0.000	99.870
X		100.833%	105.101%	105.788%	100.057%	98.965%	101.300%	0.000	99.848%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		2.582	1.432	1.968	0.985	2.159	0.151	0.000	0.592
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:35:53	76.276%	99.560	100.500	74.123%	99.860	99.720	101.500	99.830
2	17:36:34	78.224%	103.200	101.600	76.682%	100.400	98.260	97.640	99.420
3	17:37:16	80.003%	103.300	104.200	78.750%	98.780	98.800	100.600	98.840
X		78.168%	102.009%	102.073%	76.518%	99.694%	98.925%	99.888%	99.361%
σ		1.864%	n/a	n/a	2.318%	n/a	n/a	n/a	n/a
%RSD		2.385	2.078	1.855	3.029	0.848	0.744	1.997	0.498
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:35:53	77.626%	101.200	100.000	102.700	95.930	96.480	83.675%	84.793%
2	17:36:34	82.162%	98.680	100.300	99.970	96.460	96.180	87.465%	88.484%
3	17:37:16	83.320%	100.600	101.400	101.700	99.760	98.690	89.180%	91.039%
X		81.036%	100.148%	100.564%	101.480%	97.386%	97.116%	86.774%	88.105%
σ		3.010%	n/a	n/a	n/a	n/a	n/a	2.817%	3.140%
%RSD		3.714	1.309	0.764	1.379	2.129	1.416	3.246	3.564
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	17:35:53	98.600	98.620	100.000	98.990	100.100	84.294%		
2	17:36:34	100.800	100.100	101.400	101.200	101.300	87.838%		
3	17:37:16	101.400	100.500	101.400	101.300	101.500	89.336%		
X		100.272%	99.760%	100.944%	100.509%	100.971%	87.156%		
σ		n/a	n/a	n/a	n/a	n/a	2.589%		
%RSD		1.472	1.009	0.780	1.313	0.730	2.971		

CCB2 12/29/2012 5:42:19 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	17:43:01	80.154%	-0.031	1.034	0.832	0.000	-22.560	3.753	4.441
2	17:43:43	82.577%	-0.031	2.182	1.233	0.000	-21.150	4.989	4.871
3	17:44:24	80.450%	-0.031	0.616	1.335	0.000	-14.730	7.094	8.129
X		81.060%	-0.031	1.277	1.133	0.000	-19.480	5.279	5.814
σ		1.322%	0.000	0.811	0.266	0.000	4.172	1.689	2.016
%RSD		1.630	0.000	63.500	23.450	0.000	21.420	32.000	34.680
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:43:01	-4.162	3.944	0.000	6.817	25.390	2.377	79.295%	0.044
2	17:43:43	-3.951	3.140	0.000	8.336	8.310	10.790	79.698%	-0.022
3	17:44:24	-3.670	4.298	0.000	10.870	42.050	14.800	79.946%	-0.022
X		-3.928	3.794	0.000	8.675	25.250	9.322	79.647%	-0.000
σ		0.247	0.594	0.000	2.049	16.870	6.340	0.329%	0.038
%RSD		6.281	15.650	0.000	23.620	66.810	68.010	0.413	18690.000
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:43:01	0.036	0.006	0.032	14.670	18.010	-0.012	0.058	0.042
2	17:43:43	-0.029	0.016	0.027	9.817	14.000	0.000	0.100	-0.027
3	17:44:24	-0.020	-0.026	0.064	8.752	11.040	-0.008	0.013	0.067
X		-0.004	-0.001	0.041	11.080	14.350	-0.007	0.057	0.028
σ		0.035	0.022	0.020	3.152	3.496	0.006	0.044	0.049
%RSD		883.700	2271.000	48.620	28.450	24.360	93.990	76.090	176.400
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:43:01	0.087	0.398	0.279	-0.179	-0.215	-0.325	0.000	0.012
2	17:43:43	-0.092	0.700	0.338	-0.361	-1.274	-1.767	0.000	0.021
3	17:44:24	0.081	0.626	0.545	0.005	0.334	0.036	0.000	0.041
X		0.025	0.575	0.388	-0.179	-0.385	-0.686	0.000	0.025
σ		0.102	0.158	0.140	0.183	0.818	0.954	0.000	0.015
%RSD		401.100	27.460	36.050	102.400	212.500	139.100	0.000	59.340
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:43:01	77.311%	0.333	0.298	81.743%	0.021	0.013	0.078	0.046
2	17:43:43	79.061%	0.173	0.253	83.604%	0.016	0.037	-0.001	-0.107
3	17:44:24	78.970%	0.134	0.142	83.243%	0.012	0.018	0.143	0.080
X		78.447%	0.214	0.231	82.863%	0.017	0.023	0.073	0.006
σ		0.985%	0.106	0.080	0.987%	0.005	0.013	0.072	0.100
%RSD		1.256	49.430	34.810	1.191	29.150	56.880	98.080	1616.000
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:43:01	84.823%	0.591	0.032	0.019	-0.092	-0.020	87.038%	88.147%
2	17:43:43	85.896%	0.838	0.036	0.024	-0.117	-0.050	88.367%	89.493%
3	17:44:24	86.255%	0.217	0.046	-0.001	-0.016	-0.035	88.405%	90.358%
X		85.658%	0.549	0.038	0.014	-0.075	-0.035	87.936%	89.332%
σ		0.745%	0.313	0.007	0.013	0.053	0.015	0.778%	1.114%
%RSD		0.870	56.940	18.490	96.040	70.300	43.330	0.885	1.247
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	17:43:01	0.053	0.037	0.017	0.013	0.025	90.615%		
2	17:43:43	0.038	0.054	0.014	0.028	0.023	91.831%		
3	17:44:24	0.041	0.049	0.023	0.001	0.022	92.347%		
X		0.044	0.047	0.018	0.014	0.023	91.598%		
σ		0.008	0.009	0.005	0.013	0.001	0.889%		
%RSD		17.920	18.640	26.960	95.580	5.405	0.971		

MB 180-58541/1-A

12/29/2012 5:46:37 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	17:47:19	84.245%	-0.031	1.476	1.410	0.000	-4.745	0.147	0.581
2	17:48:00	86.099%	-0.031	0.394	1.137	0.000	-2.510	-0.915	-0.066
3	17:48:42	87.196%	-0.031	0.761	1.189	0.000	-4.835	-0.382	-0.419
X		85.847%	-0.031	0.877	1.246	0.000	-4.030	-0.383	0.032
σ		1.492%	0.000	0.550	0.145	0.000	1.317	0.531	0.507
%RSD		1.738	0.000	62.740	11.640	0.000	32.680	138.600	1585.000
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:47:19	-3.998	4.764	0.000	15.040	20.120	3.329	77.664%	0.113
2	17:48:00	-4.266	4.323	0.000	13.710	25.740	5.337	78.014%	0.112
3	17:48:42	-4.097	5.646	0.000	14.040	31.400	8.069	78.151%	-0.021
X		-4.120	4.911	0.000	14.260	25.750	5.578	77.943%	0.068
σ		0.135	0.674	0.000	0.695	5.640	2.379	0.251%	0.077
%RSD		3.284	13.720	0.000	4.870	21.900	42.650	0.322	113.300
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:47:19	-0.781	0.066	0.014	4.422	8.685	-0.020	0.103	0.106
2	17:48:00	-0.665	0.108	-0.011	2.579	5.890	-0.024	0.014	0.249
3	17:48:42	-0.855	0.132	-0.011	2.067	6.020	-0.033	0.123	0.027
X		-0.767	0.102	-0.003	3.023	6.865	-0.026	0.080	0.128
σ		0.095	0.033	0.015	1.239	1.578	0.006	0.058	0.112
%RSD		12.430	32.550	502.800	40.970	22.980	24.760	72.570	88.200
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:47:19	-0.024	1.129	1.292	0.147	-0.522	0.568	0.000	0.043
2	17:48:00	-0.092	0.773	0.856	0.638	-0.941	-0.290	0.000	-0.007
3	17:48:42	-0.027	1.063	1.306	-0.303	-0.694	-1.280	0.000	-0.005
X		-0.047	0.989	1.151	0.161	-0.719	-0.334	0.000	0.010
σ		0.039	0.189	0.256	0.471	0.211	0.925	0.000	0.028
%RSD		81.330	19.160	22.210	293.100	29.280	276.700	0.000	275.100
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:47:19	79.455%	0.018	-0.005	80.532%	0.008	-0.002	-0.014	-0.113
2	17:48:00	80.896%	-0.106	-0.034	81.389%	0.017	-0.007	0.023	-0.054
3	17:48:42	80.769%	0.053	0.014	81.657%	0.003	0.003	0.108	0.047
X		80.373%	-0.012	-0.008	81.193%	0.009	-0.002	0.039	-0.040
σ		0.798%	0.083	0.024	0.588%	0.007	0.005	0.062	0.081
%RSD		0.993	707.900	293.600	0.724	78.420	251.400	159.900	201.700
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:47:19	83.733%	4.080	0.003	-0.007	-0.117	-0.035	86.909%	88.429%
2	17:48:00	84.717%	2.662	-0.003	-0.014	-0.066	-0.035	89.556%	90.427%
3	17:48:42	86.100%	3.328	0.007	-0.020	-0.117	-0.065	90.084%	91.443%
X		84.850%	3.357	0.002	-0.013	-0.100	-0.045	88.850%	90.100%
σ		1.189%	0.709	0.005	0.007	0.029	0.017	1.701%	1.533%
%RSD		1.402	21.130	211.400	49.510	29.280	38.650	1.915	1.702
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	17:47:19	0.034	0.031	0.013	0.012	0.014	94.012%		
2	17:48:00	0.034	0.031	0.013	0.004	0.008	93.645%		
3	17:48:42	0.021	0.045	-0.000	-0.007	0.008	92.860%		
X		0.030	0.036	0.008	0.003	0.010	93.505%		
σ		0.008	0.008	0.007	0.009	0.004	0.589%		
%RSD		25.220	21.940	87.410	287.100	36.240	0.630		

LCS 180-58541/2-A 12/29/2012 5:50:52 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	17:51:33	103.977%	51.310	1060.000	1022.000	0.000	48270.000	42920.000	43160.000
2	17:52:15	107.535%	51.100	1069.000	1023.000	0.000	47860.000	43230.000	47840.000
3	17:52:57	109.998%	55.340	1069.000	1027.000	0.000	47470.000	43250.000	43550.000
X		107.170%	52.580	1066.000	1024.000	0.000	47870.000	43130.000	44850.000
σ		3.027%	2.388	4.779	2.662	0.000	404.500	185.400	2595.000
%RSD		2.825	4.541	0.448	0.260	0.000	0.845	0.430	5.786
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:51:33	1850.000	9373.000	0.000	48640.000	49180.000	49420.000	84.266%	997.200
2	17:52:15	1865.000	9468.000	0.000	48290.000	50570.000	49700.000	86.272%	999.000
3	17:52:57	1856.000	9472.000	0.000	47940.000	49710.000	50080.000	87.273%	1008.000
X		1857.000	9437.000	0.000	48290.000	49820.000	49740.000	85.937%	1001.000
σ		7.470	56.140	0.000	349.000	701.800	334.700	1.532%	5.746
%RSD		0.402	0.595	0.000	0.723	1.409	0.673	1.782	0.574
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:51:33	481.900	201.200	500.800	825.900	1087.000	493.300	490.100	238.900
2	17:52:15	487.000	203.800	506.900	835.800	1099.000	499.800	494.600	240.700
3	17:52:57	492.000	204.000	509.700	840.500	1090.000	501.000	494.800	242.700
X		487.000	203.000	505.800	834.000	1092.000	498.000	493.200	240.800
σ		5.068	1.592	4.577	7.475	6.375	4.106	2.627	1.889
%RSD		1.041	0.784	0.905	0.896	0.584	0.825	0.533	0.785
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:51:33	240.600	482.000	496.000	38.510	8.944	7.230	0.000	1034.000
2	17:52:15	241.000	493.200	497.300	35.560	7.752	7.705	0.000	1048.000
3	17:52:57	242.900	496.800	496.500	36.310	10.170	9.399	0.000	1058.000
X		241.500	490.600	496.600	36.800	8.957	8.112	0.000	1047.000
σ		1.227	7.726	0.627	1.531	1.211	1.140	0.000	12.350
%RSD		0.508	1.575	0.126	4.160	13.520	14.060	0.000	1.180
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:51:33	79.017%	1063.000	1060.000	82.046%	48.070	47.750	47.950	40.890
2	17:52:15	81.376%	1078.000	1074.000	84.455%	49.350	48.450	47.370	38.600
3	17:52:57	81.616%	1082.000	1077.000	86.419%	47.670	47.450	47.820	38.970
X		80.670%	1074.000	1070.000	84.307%	48.360	47.880	47.710	39.480
σ		1.436%	10.210	9.119	2.190%	0.880	0.509	0.305	1.227
%RSD		1.780	0.950	0.852	2.598	1.820	1.062	0.639	3.108
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:51:33	88.299%	2093.000	490.400	487.700	1890.000	1873.000	96.352%	97.739%
2	17:52:15	91.460%	2092.000	493.600	493.000	1908.000	1898.000	99.614%	101.079%
3	17:52:57	92.743%	2082.000	495.600	495.400	1920.000	1894.000	101.272%	102.501%
X		90.834%	2089.000	493.200	492.000	1906.000	1889.000	99.080%	100.440%
σ		2.287%	5.919	2.626	3.955	15.520	13.360	2.503%	2.444%
%RSD		2.518	0.283	0.532	0.804	0.814	0.707	2.527	2.434
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	17:51:33	49.680	47.680	20.360	20.230	20.380	92.643%		
2	17:52:15	50.120	48.210	20.770	20.360	20.610	96.771%		
3	17:52:57	49.570	49.440	20.980	20.660	20.640	97.884%		
X		49.790	48.450	20.700	20.420	20.540	95.766%		
σ		0.293	0.903	0.315	0.221	0.145	2.762%		
%RSD		0.589	1.863	1.523	1.081	0.708	2.884		

LCSD 180-58541/3-A

12/29/2012 5:55:05 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:55:47	110.431%	51.890	1102.000	1036.000	0.000	47740.000	43040.000	43270.000
2	17:56:28	113.989%	53.670	1092.000	1029.000	0.000	46760.000	42580.000	42940.000
3	17:57:10	116.091%	51.700	1087.000	1029.000	0.000	46520.000	42680.000	46600.000
X		113.503%	52.420	1094.000	1031.000	0.000	47010.000	42760.000	44270.000
σ		2.861%	1.086	7.602	4.072	0.000	649.300	240.800	2027.000
%RSD		2.520	2.071	0.695	0.395	0.000	1.381	0.563	4.578
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:55:47	1855.000	9355.000	0.000	47690.000	49640.000	49340.000	88.630%	1002.000
2	17:56:28	1844.000	9264.000	0.000	46520.000	48960.000	48840.000	91.000%	979.100
3	17:57:10	1846.000	9295.000	0.000	46940.000	49640.000	49430.000	90.852%	982.500
X		1848.000	9305.000	0.000	47050.000	49410.000	49200.000	90.160%	987.900
σ		6.062	45.900	0.000	592.400	389.300	313.900	1.327%	12.320
%RSD		0.328	0.493	0.000	1.259	0.788	0.638	1.472	1.247
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:55:47	480.700	201.500	502.700	822.600	1085.000	498.200	486.600	239.500
2	17:56:28	479.300	200.400	503.700	818.900	1090.000	490.700	484.200	238.300
3	17:57:10	482.700	201.500	503.800	818.200	1105.000	491.100	484.000	236.800
X		480.900	201.200	503.400	819.900	1093.000	493.300	484.900	238.200
σ		1.705	0.645	0.602	2.367	10.300	4.237	1.438	1.366
%RSD		0.355	0.321	0.120	0.289	0.942	0.859	0.297	0.574
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:55:47	245.400	472.600	480.100	36.100	7.943	8.645	0.000	1024.000
2	17:56:28	236.000	475.100	483.200	33.650	9.718	10.290	0.000	1036.000
3	17:57:10	236.100	480.600	496.800	33.970	8.686	7.699	0.000	1029.000
X		239.200	476.100	486.700	34.570	8.782	8.879	0.000	1030.000
σ		5.383	4.116	8.847	1.334	0.892	1.312	0.000	6.260
%RSD		2.251	0.865	1.818	3.858	10.150	14.780	0.000	0.608
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:55:47	84.256%	1066.000	1061.000	85.310%	48.910	48.290	49.320	40.080
2	17:56:28	85.887%	1072.000	1078.000	87.507%	50.420	48.640	49.290	38.750
3	17:57:10	87.101%	1073.000	1059.000	88.107%	49.200	48.900	48.160	39.780
X		85.748%	1071.000	1066.000	86.975%	49.510	48.610	48.920	39.540
σ		1.428%	3.720	10.030	1.473%	0.804	0.307	0.661	0.698
%RSD		1.665	0.348	0.941	1.693	1.624	0.632	1.351	1.764
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:55:47	91.365%	2086.000	499.600	498.300	1945.000	1918.000	99.022%	101.630%
2	17:56:28	95.204%	2063.000	494.100	496.200	1931.000	1908.000	102.365%	105.043%
3	17:57:10	96.184%	2057.000	494.700	495.900	1916.000	1914.000	103.628%	105.689%
X		94.251%	2069.000	496.100	496.800	1931.000	1913.000	101.672%	104.121%
σ		2.547%	15.400	2.999	1.318	14.470	5.072	2.380%	2.181%
%RSD		2.702	0.745	0.604	0.265	0.749	0.265	2.341	2.094
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	17:55:47	51.420	50.260	21.130	20.860	20.940	95.794%		
2	17:56:28	51.950	50.100	20.450	21.090	20.870	99.959%		
3	17:57:10	51.120	50.420	20.970	20.960	21.020	101.246%		
X		51.500	50.260	20.850	20.970	20.940	99.000%		
σ		0.419	0.163	0.353	0.116	0.078	2.850%		
%RSD		0.814	0.325	1.695	0.552	0.372	2.879		

180-17111-A-22-B @10 12/29/2012 5:59:19 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:00:00	82.249%	7.227	2126.000	2072.000	0.000	15430.000	7084.000	7111.000
2	18:00:42	81.833%	7.910	2169.000	2100.000	0.000	15470.000	7144.000	7178.000
3	18:01:24	82.695%	6.869	2180.000	2085.000	0.000	15280.000	7089.000	7079.000
X		82.259%	7.335	2158.000	2086.000	0.000	15390.000	7106.000	7123.000
σ		0.431%	0.529	28.630	14.200	0.000	97.110	33.420	50.220
%RSD		0.524	7.213	1.326	0.681	0.000	0.631	0.470	0.705
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:00:00	7652.000	7105.000	0.000	14370.000	495200.000	568100.000	75.290%	3.711
2	18:00:42	7759.000	7167.000	0.000	14370.000	505100.000	572600.000	73.745%	2.097
3	18:01:24	7688.000	7144.000	0.000	14250.000	501800.000	569800.000	73.867%	2.023
X		7700.000	7139.000	0.000	14330.000	500700.000	570200.000	74.301%	2.610
σ		54.310	31.470	0.000	68.230	5036.000	2228.000	0.859%	0.954
%RSD		0.705	0.441	0.000	0.476	1.006	0.391	1.156	36.540
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:00:00	-0.002	9.339	222.200	592.300	1359.000	12.140	35.370	196.700
2	18:00:42	-0.428	9.184	227.400	601.100	1374.000	12.750	37.930	201.100
3	18:01:24	-0.065	9.485	225.600	599.800	1362.000	12.190	37.510	198.600
X		-0.165	9.336	225.100	597.700	1365.000	12.360	36.940	198.800
σ		0.230	0.150	2.615	4.777	7.856	0.339	1.373	2.183
%RSD		139.000	1.610	1.162	0.799	0.576	2.746	3.717	1.098
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:00:00	193.600	190.400	200.300	5.114	-1.469	15.550	0.000	4536.000
2	18:00:42	196.700	195.000	199.900	4.095	-1.980	15.370	0.000	4604.000
3	18:01:24	198.200	196.500	198.200	6.018	-0.769	18.570	0.000	4606.000
X		196.200	193.900	199.500	5.076	-1.406	16.500	0.000	4582.000
σ		2.358	3.157	1.090	0.962	0.608	1.799	0.000	39.490
%RSD		1.202	1.628	0.546	18.950	43.280	10.900	0.000	0.862
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:00:00	0.000	9.472	9.635	72.943%	0.158	0.157	13.590	12.550
2	18:00:42	0.000	8.527	7.814	72.967%	0.065	0.064	12.950	13.350
3	18:01:24	0.000	6.665	7.213	72.546%	0.035	0.053	13.900	14.040
X		0.000	8.221	8.221	72.819%	0.086	0.091	13.480	13.320
σ		0.000	1.428	1.261	0.236%	0.064	0.057	0.484	0.746
%RSD		0.000	17.370	15.340	0.324	74.640	62.520	3.588	5.599
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:00:00	79.146%	10.150	2.011	2.127	69.010	68.960	88.723%	91.361%
2	18:00:42	80.246%	7.105	1.635	1.618	65.780	67.290	89.295%	91.819%
3	18:01:24	79.038%	7.519	1.444	1.325	68.910	66.620	90.416%	91.736%
X		79.476%	8.259	1.697	1.690	67.900	67.630	89.478%	91.639%
σ		0.668%	1.654	0.288	0.406	1.835	1.203	0.861%	0.244%
%RSD		0.841	20.020	16.990	23.990	2.703	1.779	0.963	0.266
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	18:00:00	23.760	23.480	8.189	8.182	8.128	78.210%		
2	18:00:42	23.600	23.950	8.397	7.736	7.954	80.481%		
3	18:01:24	23.820	23.760	8.037	8.004	8.066	80.674%		
X		23.720	23.730	8.208	7.974	8.050	79.788%		
σ		0.111	0.238	0.181	0.225	0.088	1.370%		
%RSD		0.469	1.002	2.201	2.819	1.097	1.717		

180-17111-A-22-B SD@50

12/29/2012 6:03:33 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:04:15	78.543%	0.980	446.200	445.100	0.000	2739.000	1449.000	1461.000
2	18:04:57	79.822%	1.004	464.100	443.600	0.000	2745.000	1475.000	1446.000
3	18:05:38	79.851%	1.615	444.100	437.900	0.000	2696.000	1435.000	1434.000
X		79.405%	1.199	451.500	442.200	0.000	2727.000	1453.000	1447.000
σ		0.747%	0.360	10.990	3.803	0.000	26.720	20.180	13.260
%RSD		0.941	30.040	2.434	0.860	0.000	0.980	1.389	0.916
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:04:15	1497.000	1424.000	0.000	2475.000	99560.000	99010.000	74.727%	1.090
2	18:04:57	1483.000	1407.000	0.000	2476.000	99930.000	99730.000	74.062%	0.541
3	18:05:38	1497.000	1403.000	0.000	2457.000	98990.000	99930.000	74.399%	0.678
X		1492.000	1411.000	0.000	2469.000	99490.000	99560.000	74.396%	0.770
σ		8.300	11.420	0.000	10.830	474.500	483.300	0.332%	0.286
%RSD		0.556	0.809	0.000	0.439	0.477	0.486	0.447	37.150
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:04:15	0.194	2.051	43.990	128.600	309.700	2.635	8.030	42.010
2	18:04:57	0.147	2.023	45.330	125.000	290.300	2.690	7.196	41.160
3	18:05:38	-0.217	1.969	44.390	121.100	289.600	2.510	7.402	42.410
X		0.041	2.014	44.570	124.900	296.500	2.612	7.543	41.860
σ		0.225	0.042	0.686	3.780	11.400	0.093	0.435	0.638
%RSD		545.400	2.062	1.539	3.027	3.845	3.544	5.760	1.524
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:04:15	43.040	41.480	40.100	0.224	-1.258	1.204	0.000	794.500
2	18:04:57	41.750	40.770	41.030	0.524	-0.038	1.747	0.000	804.200
3	18:05:38	40.960	39.980	42.770	1.043	-1.033	3.265	0.000	802.600
X		41.920	40.740	41.300	0.597	-0.777	2.072	0.000	800.400
σ		1.053	0.748	1.357	0.415	0.649	1.068	0.000	5.222
%RSD		2.512	1.835	3.286	69.470	83.610	51.570	0.000	0.652
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:04:15	80.221%	1.855	1.823	75.349%	0.049	0.036	2.881	2.415
2	18:04:57	81.126%	1.299	1.805	76.340%	0.028	0.025	2.896	2.614
3	18:05:38	81.196%	1.606	1.344	76.742%	0.008	0.025	2.226	2.560
X		80.848%	1.587	1.658	76.144%	0.028	0.028	2.668	2.529
σ		0.544%	0.279	0.272	0.717%	0.020	0.006	0.382	0.103
%RSD		0.673	17.550	16.380	0.942	71.190	22.830	14.330	4.069
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:04:15	79.866%	3.655	0.462	0.670	14.460	14.350	85.712%	87.174%
2	18:04:57	81.074%	3.229	0.517	0.340	13.240	13.780	86.583%	87.950%
3	18:05:38	81.372%	2.504	0.334	0.299	14.020	14.120	87.463%	88.468%
X		80.771%	3.129	0.437	0.436	13.910	14.080	86.586%	87.864%
σ		0.798%	0.582	0.094	0.203	0.617	0.287	0.875%	0.651%
%RSD		0.988	18.610	21.480	46.610	4.437	2.036	1.011	0.741
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	18:04:15	5.269	5.241	1.576	1.749	1.631	81.697%		
2	18:04:57	4.940	5.177	1.624	1.578	1.559	84.028%		
3	18:05:38	5.189	4.973	1.503	1.610	1.499	85.583%		
X		5.133	5.130	1.567	1.645	1.563	83.769%		
σ		0.172	0.140	0.061	0.091	0.066	1.956%		
%RSD		3.343	2.724	3.892	5.524	4.226	2.335		

180-17111-A-25-B @10 12/29/2012 6:07:48 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	18:08:30	86.922%	0.004	1419.000	1373.000	0.000	15470.000	964.200	946.400
2	18:09:12	88.332%	-0.031	1427.000	1402.000	0.000	15520.000	976.400	977.300
3	18:09:53	90.363%	0.003	1424.000	1396.000	0.000	15310.000	958.800	959.000
X		88.539%	-0.008	1423.000	1391.000	0.000	15430.000	966.500	960.900
σ		1.730%	0.020	3.870	15.170	0.000	111.500	8.980	15.530
%RSD		1.954	259.200	0.272	1.091	0.000	0.723	0.929	1.616
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:08:30	193.300	104.300	0.000	14340.000	466900.000	542200.000	82.160%	0.481
2	18:09:12	200.900	105.700	0.000	14350.000	468800.000	538500.000	84.348%	0.712
3	18:09:53	193.200	105.500	0.000	14230.000	465000.000	535800.000	85.841%	0.396
X		195.800	105.200	0.000	14310.000	466900.000	538800.000	84.116%	0.530
σ		4.425	0.772	0.000	65.030	1900.000	3208.000	1.851%	0.164
%RSD		2.260	0.733	0.000	0.455	0.407	0.596	2.201	30.900
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:08:30	22.690	8.960	0.279	28.660	639.500	0.335	-0.014	0.462
2	18:09:12	22.610	9.158	0.485	32.690	639.200	0.380	-0.181	0.343
3	18:09:53	22.440	9.235	0.376	30.870	629.300	0.311	0.158	0.319
X		22.580	9.118	0.380	30.740	636.000	0.342	-0.012	0.375
σ		0.130	0.142	0.103	2.020	5.806	0.035	0.170	0.076
%RSD		0.577	1.556	27.120	6.573	0.913	10.160	1387.000	20.400
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:08:30	0.794	0.509	0.587	14.670	18.260	30.870	0.000	4061.000
2	18:09:12	0.991	0.959	0.982	15.190	14.320	32.880	0.000	4887.000
3	18:09:53	0.767	0.510	0.847	13.520	13.580	31.050	0.000	4138.000
X		0.851	0.659	0.805	14.460	15.390	31.600	0.000	4362.000
σ		0.123	0.259	0.201	0.854	2.517	1.109	0.000	455.900
%RSD		14.400	39.370	24.960	5.905	16.360	3.508	0.000	10.450
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:08:30	84.132%	325.600	329.400	80.691%	0.026	0.003	0.121	0.135
2	18:09:12	86.002%	337.100	340.600	83.598%	0.030	0.042	0.170	0.132
3	18:09:53	88.029%	334.400	341.600	84.788%	0.020	0.017	-0.105	-0.113
X		86.055%	332.300	337.200	83.026%	0.025	0.020	0.062	0.051
σ		1.949%	6.015	6.766	2.108%	0.005	0.020	0.147	0.142
%RSD		2.265	1.810	2.007	2.538	19.160	95.530	236.400	277.800
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:08:30	85.576%	3.466	2.115	2.327	199.600	202.100	92.976%	93.652%
2	18:09:12	87.619%	3.595	2.125	2.084	207.400	203.700	96.248%	97.690%
3	18:09:53	90.702%	4.119	2.285	2.020	199.600	201.500	97.469%	98.464%
X		87.966%	3.727	2.175	2.144	202.200	202.400	95.564%	96.602%
σ		2.581%	0.346	0.095	0.162	4.487	1.124	2.323%	2.584%
%RSD		2.934	9.283	4.373	7.571	2.219	0.555	2.431	2.675
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	18:08:30	1.457	1.400	0.028	0.025	0.017	89.503%		
2	18:09:12	1.517	1.467	0.007	0.050	0.034	91.363%		
3	18:09:53	1.422	1.395	0.007	0.009	0.023	92.056%		
X		1.466	1.421	0.014	0.028	0.025	90.974%		
σ		0.048	0.040	0.012	0.021	0.009	1.320%		
%RSD		3.284	2.842	88.840	75.330	35.890	1.451		

180-17111-A-26-B @10 12/29/2012 6:12:03 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:12:44	89.871%	-0.031	148.800	147.300	0.000	15210.000	19.940	19.200
2	18:13:26	91.825%	0.003	148.200	143.500	0.000	15200.000	19.070	19.920
3	18:14:08	92.848%	0.068	153.000	142.300	0.000	15130.000	22.700	20.650
X		91.515%	0.013	150.000	144.400	0.000	15180.000	20.570	19.920
σ		1.513%	0.050	2.576	2.599	0.000	40.790	1.893	0.725
%RSD		1.653	378.800	1.717	1.800	0.000	0.269	9.200	3.639
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:12:44	2.053	45.020	0.000	14380.000	295900.000	343800.000	88.811%	0.205
2	18:13:26	2.324	45.220	0.000	14390.000	298900.000	343600.000	89.773%	0.086
3	18:14:08	2.340	44.420	0.000	14420.000	298100.000	344800.000	90.269%	0.143
X		2.239	44.890	0.000	14400.000	297600.000	344100.000	89.618%	0.145
σ		0.161	0.414	0.000	21.750	1562.000	609.600	0.741%	0.059
%RSD		7.205	0.922	0.000	0.151	0.525	0.177	0.827	41.160
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:12:44	0.755	13.110	0.370	34.350	451.000	0.250	0.466	0.366
2	18:13:26	1.144	12.850	0.406	33.760	427.500	0.275	1.312	0.252
3	18:14:08	1.755	13.710	0.379	35.370	420.100	0.272	0.652	0.356
X		1.218	13.220	0.385	34.490	432.900	0.266	0.810	0.325
σ		0.504	0.443	0.019	0.811	16.170	0.014	0.445	0.063
%RSD		41.380	3.350	4.948	2.351	3.735	5.107	54.920	19.490
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:12:44	0.739	1.367	2.022	8.409	-0.941	18.300	0.000	3993.000
2	18:13:26	0.683	1.672	1.168	8.719	0.062	18.510	0.000	4707.000
3	18:14:08	0.467	1.528	2.353	8.130	-0.936	16.690	0.000	4690.000
X		0.630	1.522	1.848	8.419	-0.605	17.840	0.000	4463.000
σ		0.144	0.153	0.611	0.295	0.578	0.998	0.000	407.300
%RSD		22.790	10.040	33.090	3.504	95.460	5.595	0.000	9.125
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:12:44	89.604%	291.500	291.000	87.293%	0.007	0.021	0.131	0.050
2	18:13:26	91.960%	294.800	297.300	89.694%	0.027	0.016	0.417	0.233
3	18:14:08	93.060%	291.600	297.000	90.941%	0.031	0.002	0.163	0.050
X		91.541%	292.700	295.100	89.309%	0.022	0.013	0.237	0.111
σ		1.766%	1.889	3.577	1.854%	0.013	0.010	0.157	0.106
%RSD		1.929	0.645	1.212	2.076	61.010	76.110	66.090	95.060
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:12:44	91.566%	3.493	0.129	0.151	267.500	270.400	96.314%	97.234%
2	18:13:26	93.750%	2.987	0.125	0.106	270.600	268.500	100.421%	99.879%
3	18:14:08	95.221%	3.689	0.088	0.160	264.100	273.500	100.943%	102.170%
X		93.512%	3.390	0.114	0.139	267.400	270.800	99.226%	99.761%
σ		1.839%	0.362	0.023	0.029	3.284	2.497	2.536%	2.470%
%RSD		1.967	10.680	19.990	21.100	1.228	0.922	2.555	2.476
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	18:12:44	0.565	0.463	2.568	2.531	2.635	91.694%		
2	18:13:26	0.458	0.448	2.661	2.578	2.538	94.549%		
3	18:14:08	0.469	0.413	2.605	2.536	2.618	95.931%		
X		0.497	0.441	2.611	2.548	2.597	94.058%		
σ		0.059	0.026	0.047	0.026	0.052	2.161%		
%RSD		11.810	5.818	1.787	1.018	2.007	2.297		

180-17111-A-27-B @10

12/29/2012 6:16:18 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	18:17:00	77.413%	12.530	2277.000	2209.000	0.000	15130.000	8249.000	8252.000
2	18:17:42	77.640%	10.930	2301.000	2216.000	0.000	15030.000	8300.000	8269.000
3	18:18:23	77.062%	11.380	2307.000	2247.000	0.000	15080.000	8384.000	8375.000
x		77.372%	11.610	2295.000	2224.000	0.000	15080.000	8311.000	8298.000
σ		0.291%	0.826	15.850	20.500	0.000	52.380	67.750	66.460
%RSD		0.377	7.109	0.691	0.922	0.000	0.347	0.815	0.801
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:17:00	17420.000	10380.000	0.000	14290.000	541900.000	622400.000	71.822%	4.694
2	18:17:42	17300.000	10880.000	0.000	14190.000	540000.000	616800.000	71.034%	4.385
3	18:18:23	17330.000	11530.000	0.000	14330.000	548200.000	621300.000	70.110%	5.683
x		17350.000	10930.000	0.000	14270.000	543400.000	620200.000	70.989%	4.921
σ		64.730	577.000	0.000	68.150	4311.000	2979.000	0.857%	0.678
%RSD		0.373	5.280	0.000	0.478	0.793	0.480	1.207	13.780
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:17:00	-0.531	205.200	239.100	4768.000	6268.000	12.600	35.560	222.700
2	18:17:42	1.465	206.500	240.000	4775.000	6221.000	12.540	36.580	224.000
3	18:18:23	1.108	207.900	241.700	4825.000	6274.000	12.370	36.820	223.600
x		0.681	206.500	240.300	4790.000	6254.000	12.500	36.320	223.500
σ		1.064	1.375	1.365	31.080	29.250	0.117	0.668	0.680
%RSD		156.300	0.666	0.568	0.649	0.468	0.937	1.839	0.304
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:17:00	219.700	193.800	192.800	4.635	-1.771	9.108	0.000	3314.000
2	18:17:42	218.700	194.300	193.100	5.468	-2.076	10.960	0.000	3343.000
3	18:18:23	221.800	198.100	198.200	6.457	-0.995	12.820	0.000	3338.000
x		220.000	195.400	194.700	5.520	-1.614	10.960	0.000	3332.000
σ		1.549	2.320	3.028	0.912	0.557	1.858	0.000	15.460
%RSD		0.704	1.187	1.555	16.520	34.530	16.940	0.000	0.464
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:17:00	101.180%	7.449	7.737	69.867%	0.004	-0.007	15.960	13.800
2	18:17:42	100.623%	6.646	7.307	69.844%	0.009	0.004	13.790	14.160
3	18:18:23	100.969%	6.523	7.048	70.297%	-0.001	0.016	14.050	13.510
x		100.924%	6.872	7.364	70.003%	0.004	0.004	14.600	13.820
σ		0.281%	0.503	0.348	0.255%	0.005	0.011	1.186	0.327
%RSD		0.279	7.315	4.726	0.364	127.700	262.000	8.125	2.365
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:17:00	76.674%	2.879	2.241	2.366	69.140	65.540	87.115%	89.550%
2	18:17:42	77.983%	3.054	2.399	2.247	67.840	68.390	87.728%	90.086%
3	18:18:23	77.891%	2.640	2.330	2.378	66.400	67.870	88.134%	89.879%
x		77.516%	2.858	2.324	2.330	67.790	67.270	87.659%	89.838%
σ		0.731%	0.208	0.079	0.072	1.369	1.517	0.513%	0.270%
%RSD		0.943	7.270	3.400	3.106	2.019	2.255	0.585	0.301
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	18:17:00	22.680	21.920	25.630	24.730	24.880	81.148%		
2	18:17:42	23.190	22.770	25.440	25.280	25.050	82.287%		
3	18:18:23	23.430	23.260	25.460	25.080	24.990	82.825%		
x		23.100	22.650	25.510	25.030	24.970	82.087%		
σ		0.383	0.676	0.106	0.279	0.087	0.856%		
%RSD		1.657	2.984	0.416	1.113	0.347	1.043		

180-17111-A-29-B @10 12/29/2012 6:20:34 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	18:21:16	82.348%	-0.031	1726.000	1694.000	0.000	14980.000	6994.000	7029.000
2	18:21:57	85.776%	0.076	1717.000	1688.000	0.000	14790.000	7034.000	7036.000
3	18:22:39	86.956%	-0.031	1728.000	1677.000	0.000	14850.000	7107.000	7055.000
X		85.027%	0.005	1723.000	1686.000	0.000	14870.000	7045.000	7040.000
σ		2.393%	0.062	5.978	8.481	0.000	96.020	57.390	13.590
%RSD		2.815	1239.000	0.347	0.503	0.000	0.646	0.815	0.193
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:21:16	37.290	660.200	0.000	13870.000	514500.000	598700.000	78.104%	0.112
2	18:21:57	28.210	561.700	0.000	13860.000	521400.000	598200.000	80.272%	0.429
3	18:22:39	26.360	500.000	0.000	13930.000	524200.000	598500.000	81.354%	0.040
X		30.620	574.000	0.000	13880.000	520000.000	598500.000	79.910%	0.194
σ		5.850	80.820	0.000	38.580	4989.000	267.500	1.655%	0.207
%RSD		19.110	14.080	0.000	0.278	0.959	0.045	2.071	106.900
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:21:16	3.206	3.427	82.520	45.090	764.800	2.834	10.780	0.613
2	18:21:57	3.207	3.305	82.740	37.800	720.900	2.815	10.890	0.694
3	18:22:39	1.587	3.296	82.640	36.720	724.500	2.927	10.760	0.526
X		2.667	3.343	82.630	39.870	736.800	2.859	10.810	0.611
σ		0.935	0.073	0.113	4.555	24.390	0.060	0.070	0.084
%RSD		35.060	2.189	0.137	11.430	3.310	2.104	0.647	13.780
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:21:16	1.596	2.459	2.427	7.874	1.683	17.610	0.000	4069.000
2	18:21:57	0.751	2.341	2.747	10.500	4.338	20.530	0.000	4081.000
3	18:22:39	0.902	1.972	2.442	9.382	3.371	20.100	0.000	4080.000
X		1.083	2.257	2.539	9.251	3.131	19.410	0.000	4077.000
σ		0.451	0.254	0.181	1.317	1.344	1.577	0.000	7.084
%RSD		41.610	11.270	7.113	14.240	42.920	8.125	0.000	0.174
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:21:16	79.818%	283.300	286.400	76.469%	0.008	0.004	1.904	1.988
2	18:21:57	82.961%	284.900	288.200	80.192%	0.008	0.003	2.298	1.560
3	18:22:39	84.550%	285.700	290.800	81.340%	-0.002	-0.007	2.073	2.142
X		82.443%	284.700	288.500	79.334%	0.005	-0.000	2.092	1.897
σ		2.408%	1.200	2.186	2.546%	0.006	0.006	0.198	0.301
%RSD		2.921	0.422	0.758	3.210	120.900	5510.000	9.444	15.890
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:21:16	81.369%	3.656	5.850	5.751	92.430	92.080	87.953%	90.174%
2	18:21:57	85.751%	4.009	5.748	5.672	90.640	91.530	91.860%	93.697%
3	18:22:39	86.930%	3.893	6.361	5.681	93.230	92.990	93.141%	95.122%
X		84.683%	3.853	5.986	5.701	92.100	92.200	90.985%	92.998%
σ		2.930%	0.180	0.329	0.043	1.323	0.738	2.703%	2.547%
%RSD		3.460	4.671	5.487	0.760	1.436	0.801	2.970	2.739
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	18:21:16	5.704	5.675	0.061	0.070	0.073	83.388%		
2	18:21:57	5.637	5.449	0.030	0.106	0.066	86.557%		
3	18:22:39	5.540	5.575	0.074	0.081	0.079	87.740%		
X		5.627	5.566	0.055	0.086	0.073	85.895%		
σ		0.083	0.114	0.023	0.019	0.006	2.250%		
%RSD		1.471	2.039	41.420	21.750	8.712	2.620		

180-17111-A-30-B @10

12/29/2012 6:24:50 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	18:25:32	87.590%	0.039	1510.000	1483.000	0.000	15470.000	2242.000	2237.000
2	18:26:13	89.833%	0.003	1517.000	1457.000	0.000	15390.000	2245.000	2245.000
3	18:26:55	91.284%	0.003	1485.000	1459.000	0.000	15310.000	2241.000	2229.000
X		89.569%	0.015	1504.000	1466.000	0.000	15390.000	2243.000	2237.000
σ		1.861%	0.021	16.780	14.100	0.000	83.430	1.890	7.705
%RSD		2.078	137.700	1.116	0.962	0.000	0.542	0.084	0.344
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:25:32	199.300	164.700	0.000	14580.000	516600.000	605200.000	84.069%	0.036
2	18:26:13	197.600	155.000	0.000	14510.000	517200.000	601100.000	85.070%	0.096
3	18:26:55	198.800	146.100	0.000	14500.000	523300.000	603300.000	85.439%	0.034
X		198.600	155.200	0.000	14530.000	519000.000	603200.000	84.859%	0.055
σ		0.877	9.334	0.000	44.040	3684.000	2030.000	0.709%	0.035
%RSD		0.442	6.013	0.000	0.303	0.710	0.337	0.835	63.240
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:25:32	22.170	7.748	0.124	31.600	708.400	0.218	0.535	0.354
2	18:26:13	22.660	7.459	0.175	30.350	673.500	0.123	0.042	0.265
3	18:26:55	21.180	7.993	0.154	29.380	696.400	0.221	0.322	0.232
X		22.010	7.733	0.151	30.440	692.700	0.187	0.300	0.284
σ		0.755	0.267	0.026	1.111	17.740	0.056	0.247	0.063
%RSD		3.432	3.458	16.930	3.650	2.561	29.670	82.560	22.280
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:25:32	0.667	0.170	0.476	15.500	11.340	33.410	0.000	5046.000
2	18:26:13	0.652	0.425	0.638	14.670	14.400	30.280	0.000	4976.000
3	18:26:55	0.785	0.354	0.105	13.600	12.710	32.970	0.000	4979.000
X		0.701	0.316	0.406	14.590	12.810	32.220	0.000	5000.000
σ		0.073	0.132	0.274	0.955	1.533	1.694	0.000	39.240
%RSD		10.400	41.640	67.350	6.545	11.960	5.257	0.000	0.785
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:25:32	86.106%	328.200	332.400	82.619%	-0.002	0.018	0.172	0.162
2	18:26:13	88.098%	333.700	335.100	84.647%	0.016	-0.002	0.108	0.175
3	18:26:55	88.807%	332.000	335.900	85.451%	-0.002	0.002	0.321	0.086
X		87.670%	331.300	334.500	84.239%	0.004	0.006	0.200	0.141
σ		1.400%	2.814	1.849	1.459%	0.010	0.010	0.109	0.048
%RSD		1.597	0.850	0.553	1.732	259.800	173.700	54.610	34.300
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:25:32	87.127%	2.768	2.674	2.724	205.100	204.400	94.665%	95.561%
2	18:26:13	89.275%	3.104	2.625	2.721	204.200	210.800	96.495%	98.168%
3	18:26:55	91.292%	2.540	2.524	2.386	202.000	205.200	97.776%	99.944%
X		89.231%	2.804	2.608	2.610	203.800	206.800	96.312%	97.891%
σ		2.083%	0.283	0.077	0.194	1.557	3.501	1.563%	2.205%
%RSD		2.334	10.100	2.944	7.440	0.764	1.693	1.623	2.252
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	18:25:32	1.537	1.562	0.011	0.002	0.016	89.274%		
2	18:26:13	1.643	1.527	0.007	-0.002	0.012	91.086%		
3	18:26:55	1.513	1.529	0.026	0.005	0.017	91.901%		
X		1.564	1.539	0.015	0.001	0.015	90.754%		
σ		0.069	0.020	0.010	0.004	0.003	1.345%		
%RSD		4.414	1.268	69.450	260.600	17.170	1.482		

CCV 664806 12/29/2012 6:32:39 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	18:33:20	73.778%	106.000	118.600	120.600	0.000	51620.000	45160.000	45640.000
2	18:34:02	75.638%	104.800	111.600	116.200	0.000	51310.000	45600.000	46000.000
3	18:34:44	78.954%	105.200	125.200	109.900	0.000	50190.000	44880.000	45350.000
X		76.124%	105.332%	118.449%	115.561%	0.000	102.078%	90.425%	91.328%
σ		2.622%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		3.444	0.620	5.708	4.640	0.000	1.476	0.793	0.717
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:33:20	507.500	5287.000	0.000	53740.000	53690.000	53460.000	66.298%	108.100
2	18:34:02	506.600	5322.000	0.000	53420.000	54010.000	53940.000	68.030%	113.800
3	18:34:44	504.700	5238.000	0.000	53060.000	54990.000	54130.000	69.280%	114.000
X		101.250%	105.647%	0.000	106.813%	108.467%	107.689%	67.869%	111.969%
σ		n/a	n/a	0.000	n/a	n/a	n/a	1.497%	n/a
%RSD		0.286	0.801	0.000	0.641	1.248	0.639	2.206	2.968
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:33:20	107.100	107.700	531.800	26780.000	26440.000	105.300	105.900	106.000
2	18:34:02	108.300	109.400	537.300	26570.000	26880.000	107.400	109.100	107.200
3	18:34:44	107.100	109.300	537.700	26290.000	26920.000	107.100	108.000	105.800
X		107.468%	108.792%	107.119%	106.180%	106.987%	106.597%	107.645%	106.328%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.646	0.843	0.613	0.927	1.001	1.095	1.502	0.721
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:33:20	101.400	102.400	105.800	97.500	97.230	95.730	0.000	93.950
2	18:34:02	106.600	106.700	110.600	101.000	98.560	98.230	0.000	95.450
3	18:34:44	106.000	110.800	109.200	103.800	103.000	101.700	0.000	96.110
X		104.662%	106.647%	108.516%	100.772%	99.610%	98.553%	0.000	95.172%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		2.689	3.915	2.306	3.130	3.057	3.043	0.000	1.165
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:33:20	79.768%	97.640	99.840	74.594%	98.590	97.050	100.300	96.980
2	18:34:02	81.420%	99.600	102.200	77.582%	100.000	99.690	99.700	99.710
3	18:34:44	83.445%	100.600	103.100	79.548%	98.680	99.840	99.850	98.500
X		81.544%	99.283%	101.711%	77.241%	99.096%	98.857%	99.936%	98.394%
σ		1.841%	n/a	n/a	2.494%	n/a	n/a	n/a	n/a
%RSD		2.258	1.521	1.656	3.229	0.807	1.588	0.294	1.390
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:33:20	79.706%	98.420	97.630	98.440	99.890	96.330	83.366%	85.364%
2	18:34:02	82.075%	98.370	100.800	99.970	97.050	96.670	87.717%	88.873%
3	18:34:44	83.893%	99.660	100.400	99.660	96.380	98.590	89.282%	91.135%
X		81.892%	98.815%	99.616%	99.358%	97.776%	97.197%	86.788%	88.457%
σ		2.099%	n/a	n/a	n/a	n/a	n/a	3.065%	2.908%
%RSD		2.564	0.742	1.739	0.816	1.906	1.256	3.532	3.287
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	18:33:20	99.950	98.860	100.900	99.340	100.300	83.503%		
2	18:34:02	102.900	101.400	102.700	101.900	102.400	86.728%		
3	18:34:44	101.900	100.600	102.000	101.900	101.800	89.260%		
X		101.568%	100.294%	101.862%	101.054%	101.492%	86.497%		
σ		n/a	n/a	n/a	n/a	n/a	2.886%		
%RSD		1.470	1.311	0.863	1.468	1.055	3.336		

CCB3 12/29/2012 6:40:29 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	18:41:10	87.511%	0.004	7.296	9.382	0.000	-40.240	4.158	5.667
2	18:41:52	88.874%	0.004	10.030	8.010	0.000	-36.840	6.283	6.323
3	18:42:34	88.482%	-0.031	10.200	8.464	0.000	-31.350	6.463	8.168
X		88.289%	-0.008	9.175	8.618	0.000	-36.140	5.635	6.720
σ		0.701%	0.020	1.630	0.699	0.000	4.486	1.282	1.297
%RSD		0.794	262.400	17.760	8.111	0.000	12.410	22.750	19.300
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:41:10	-3.673	23.100	0.000	-1.985	39.440	8.218	84.750%	-0.026
2	18:41:52	-3.963	21.280	0.000	-0.964	23.240	15.900	85.697%	0.156
3	18:42:34	-3.662	20.340	0.000	2.116	7.548	22.930	85.487%	-0.026
X		-3.766	21.580	0.000	-0.278	23.410	15.680	85.311%	0.034
σ		0.170	1.401	0.000	2.135	15.950	7.357	0.497%	0.105
%RSD		4.524	6.492	0.000	767.900	68.120	46.920	0.583	304.900
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:41:10	0.027	0.019	0.056	9.855	15.390	0.006	0.072	-0.002
2	18:41:52	-0.009	0.003	0.040	7.094	11.210	0.002	0.091	0.173
3	18:42:34	0.038	0.063	0.126	5.834	13.980	0.010	0.153	0.053
X		0.019	0.028	0.074	7.594	13.520	0.006	0.106	0.075
σ		0.024	0.031	0.046	2.057	2.125	0.004	0.042	0.089
%RSD		131.300	110.700	61.830	27.080	15.720	62.880	39.910	119.700
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:41:10	0.066	0.512	0.540	-0.309	-0.404	-1.259	0.000	0.052
2	18:41:52	-0.020	0.409	0.429	-0.552	-0.921	-1.395	0.000	0.106
3	18:42:34	0.021	0.569	0.232	0.063	0.256	0.129	0.000	0.148
X		0.022	0.497	0.400	-0.266	-0.357	-0.841	0.000	0.102
σ		0.043	0.081	0.156	0.310	0.590	0.843	0.000	0.048
%RSD		193.300	16.340	39.000	116.500	165.400	100.200	0.000	47.380
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:41:10	80.819%	0.222	0.364	82.659%	-0.002	0.008	0.116	0.133
2	18:41:52	81.786%	0.308	0.256	83.219%	0.012	0.013	-0.015	-0.047
3	18:42:34	82.042%	0.188	0.197	83.861%	0.025	0.018	-0.110	-0.123
X		81.549%	0.239	0.272	83.246%	0.012	0.013	-0.003	-0.012
σ		0.645%	0.062	0.085	0.602%	0.014	0.005	0.113	0.132
%RSD		0.791	25.850	31.240	0.723	115.400	37.480	3815.000	1092.000
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:41:10	84.319%	0.704	0.028	0.032	-0.091	0.027	84.724%	87.048%
2	18:41:52	85.086%	0.897	0.032	0.012	-0.092	0.040	87.712%	88.443%
3	18:42:34	85.750%	0.678	0.017	-0.001	-0.015	0.010	87.594%	89.546%
X		85.052%	0.760	0.026	0.014	-0.066	0.026	86.677%	88.346%
σ		0.716%	0.120	0.008	0.017	0.044	0.015	1.692%	1.252%
%RSD		0.842	15.780	30.550	115.800	66.660	59.260	1.952	1.417
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	18:41:10	0.138	0.091	0.028	0.025	0.031	89.586%		
2	18:41:52	0.127	0.101	0.014	0.013	0.020	91.033%		
3	18:42:34	0.085	0.087	0.010	0.032	0.034	91.134%		
X		0.117	0.093	0.018	0.023	0.028	90.584%		
σ		0.028	0.007	0.009	0.010	0.008	0.866%		
%RSD		23.710	7.514	53.640	41.280	26.900	0.956		

180-17111-A-31-B @10

12/29/2012 6:44:47 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	18:45:28	85.735%	-0.031	134.600	130.600	0.000	15610.000	1.341	2.016
2	18:46:10	89.886%	0.139	133.800	132.600	0.000	15150.000	1.656	1.429
3	18:46:51	90.951%	0.003	134.700	131.700	0.000	15170.000	1.385	1.445
X		88.857%	0.037	134.400	131.700	0.000	15310.000	1.461	1.630
σ		2.756%	0.090	0.535	1.013	0.000	261.800	0.170	0.335
%RSD		3.102	242.300	0.399	0.769	0.000	1.709	11.660	20.540
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:45:28	-1.668	49.230	0.000	15020.000	303900.000	358300.000	82.262%	0.039
2	18:46:10	-1.808	46.290	0.000	14690.000	299900.000	349200.000	86.364%	-0.087
3	18:46:51	-1.433	47.440	0.000	14730.000	302400.000	348900.000	87.399%	0.031
X		-1.636	47.650	0.000	14810.000	302100.000	352100.000	85.342%	-0.006
σ		0.189	1.482	0.000	177.400	2011.000	5343.000	2.717%	0.071
%RSD		11.560	3.110	0.000	1.197	0.666	1.517	3.184	1232.000
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:45:28	-0.517	13.190	-0.024	27.000	427.400	0.117	0.411	0.236
2	18:46:10	-1.140	12.720	-0.039	26.400	394.000	0.099	0.553	0.219
3	18:46:51	-1.242	13.030	-0.014	27.020	408.700	0.152	0.178	0.200
X		-0.966	12.980	-0.026	26.810	410.000	0.123	0.381	0.219
σ		0.393	0.239	0.012	0.353	16.770	0.027	0.190	0.018
%RSD		40.640	1.843	46.930	1.315	4.089	22.250	49.820	8.227
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:45:28	0.538	1.075	1.284	5.320	-0.642	18.730	0.000	4061.000
2	18:46:10	0.543	0.724	1.749	4.149	0.448	15.650	0.000	4889.000
3	18:46:51	0.257	0.834	1.574	4.847	0.361	15.400	0.000	4814.000
X		0.446	0.877	1.536	4.772	0.055	16.590	0.000	4588.000
σ		0.164	0.180	0.234	0.590	0.606	1.854	0.000	458.300
%RSD		36.710	20.490	15.260	12.350	1092.000	11.180	0.000	9.989
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:45:28	85.332%	281.800	285.700	82.838%	0.016	0.013	0.473	-0.001
2	18:46:10	88.528%	287.600	292.600	86.272%	0.011	0.012	0.319	0.225
3	18:46:51	90.462%	288.500	287.700	88.135%	0.011	-0.002	0.265	0.165
X		88.108%	286.000	288.700	85.749%	0.013	0.007	0.352	0.130
σ		2.591%	3.648	3.538	2.687%	0.003	0.008	0.108	0.117
%RSD		2.940	1.276	1.225	3.134	24.730	114.500	30.580	90.300
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:45:28	87.525%	3.927	0.011	-0.008	264.200	268.100	93.588%	94.008%
2	18:46:10	90.460%	3.208	0.024	0.021	270.900	275.100	96.640%	97.953%
3	18:46:51	92.578%	3.418	0.014	0.008	273.800	266.800	97.787%	100.367%
X		90.187%	3.518	0.016	0.007	269.600	270.000	96.005%	97.443%
σ		2.537%	0.370	0.007	0.015	4.928	4.469	2.170%	3.210%
%RSD		2.813	10.510	41.620	205.800	1.828	1.655	2.261	3.294
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	18:45:28	0.334	0.294	2.358	2.257	2.240	94.023%		
2	18:46:10	0.338	0.322	2.395	2.268	2.316	94.772%		
3	18:46:51	0.299	0.302	2.223	2.187	2.286	96.988%		
X		0.324	0.306	2.325	2.237	2.281	95.261%		
σ		0.022	0.014	0.090	0.044	0.038	1.542%		
%RSD		6.677	4.623	3.885	1.960	1.665	1.618		

180-17111-A-33-B @10

12/29/2012 6:49:03 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:49:45	81.498%	-0.031	7.802	7.596	0.000	-31.720	-1.414	-0.296
2	18:50:26	81.969%	-0.031	8.585	7.253	0.000	-35.470	-1.899	-1.483
3	18:51:08	81.393%	-0.031	7.164	7.136	0.000	-33.390	-2.302	-1.827
X		81.620%	-0.031	7.850	7.328	0.000	-33.520	-1.872	-1.202
σ		0.307%	0.000	0.712	0.239	0.000	1.882	0.444	0.803
%RSD		0.376	0.000	9.066	3.264	0.000	5.613	23.740	66.820
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:49:45	-4.504	36.560	0.000	8.065	108.200	94.890	76.646%	0.116
2	18:50:26	-4.846	34.950	0.000	4.634	44.560	66.800	75.433%	-0.087
3	18:51:08	-4.822	34.510	0.000	8.549	93.810	66.780	74.043%	-0.017
X		-4.724	35.340	0.000	7.083	82.200	76.160	75.374%	0.004
σ		0.191	1.079	0.000	2.135	33.390	16.220	1.302%	0.103
%RSD		4.041	3.054	0.000	30.140	40.610	21.300	1.728	2800.000
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:49:45	-0.567	0.324	-0.041	8.007	4.111	-0.012	0.126	0.035
2	18:50:26	-1.675	0.323	-0.034	5.867	2.971	-0.007	0.061	0.075
3	18:51:08	-0.630	0.262	-0.049	4.611	2.974	-0.033	0.040	0.015
X		-0.957	0.303	-0.042	6.162	3.352	-0.017	0.075	0.042
σ		0.623	0.035	0.008	1.717	0.657	0.014	0.045	0.030
%RSD		65.030	11.690	18.370	27.860	19.600	80.350	59.160	72.680
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:49:45	0.467	0.206	0.141	0.581	-0.877	0.867	0.000	0.859
2	18:50:26	0.118	0.418	0.402	-1.861	-1.456	-1.955	0.000	0.693
3	18:51:08	0.056	0.151	0.341	0.968	-1.040	1.127	0.000	0.599
X		0.214	0.258	0.295	-0.104	-1.124	0.013	0.000	0.717
σ		0.222	0.141	0.137	1.534	0.298	1.709	0.000	0.132
%RSD		103.700	54.630	46.410	1477.000	26.540	13050.000	0.000	18.360
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:49:45	79.244%	2.301	2.247	79.932%	0.008	0.008	-0.110	-0.056
2	18:50:26	77.883%	1.313	1.205	78.938%	0.003	0.009	0.026	-0.003
3	18:51:08	77.194%	0.983	0.806	78.110%	0.003	0.003	0.033	-0.033
X		78.107%	1.532	1.419	78.993%	0.005	0.007	-0.017	-0.031
σ		1.043%	0.686	0.744	0.912%	0.003	0.003	0.080	0.027
%RSD		1.336	44.750	52.430	1.155	56.050	42.540	476.900	87.170
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:49:45	81.801%	3.138	0.003	0.033	0.041	0.120	86.698%	86.487%
2	18:50:26	81.046%	2.853	0.024	0.014	-0.037	-0.034	85.452%	86.319%
3	18:51:08	80.944%	2.502	-0.012	-0.013	-0.117	-0.018	85.628%	85.841%
X		81.264%	2.831	0.005	0.012	-0.038	0.023	85.926%	86.216%
σ		0.468%	0.318	0.018	0.023	0.079	0.085	0.675%	0.335%
%RSD		0.576	11.240	360.500	199.300	207.600	374.900	0.785	0.389
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	18:49:45	0.069	0.082	0.015	0.002	0.012	87.913%		
2	18:50:26	0.061	0.073	-0.002	0.007	0.014	87.105%		
3	18:51:08	0.036	0.055	0.002	0.015	0.010	86.876%		
X		0.056	0.070	0.005	0.008	0.012	87.298%		
σ		0.018	0.014	0.009	0.006	0.002	0.545%		
%RSD		31.570	19.700	179.000	79.110	14.510	0.624		

MB 180-58201/1-A

12/29/2012 6:56:51 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:57:32	79.506%	-0.031	5.006	4.577	0.000	-33.970	-2.017	-1.501
2	18:58:14	81.043%	-0.031	3.241	4.609	0.000	-31.170	-1.608	-0.750
3	18:58:56	79.130%	-0.031	4.879	4.087	0.000	-21.510	0.643	0.416
X		79.893%	-0.031	4.375	4.425	0.000	-28.880	-0.994	-0.612
σ		1.013%	0.000	0.984	0.293	0.000	6.536	1.433	0.966
%RSD		1.269	0.000	22.500	6.613	0.000	22.630	144.100	157.900
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:57:32	-5.052	15.010	0.000	3.143	9.844	-2.434	69.841%	-0.013
2	18:58:14	-4.810	12.570	0.000	3.058	9.616	3.489	71.105%	0.132
3	18:58:56	-4.237	14.140	0.000	4.052	9.625	17.540	71.131%	-0.087
X		-4.700	13.900	0.000	3.418	9.695	6.198	70.692%	0.010
σ		0.418	1.234	0.000	0.551	0.129	10.260	0.737%	0.111
%RSD		8.903	8.877	0.000	16.110	1.332	165.500	1.043	1071.000
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:57:32	-0.944	0.217	-0.050	2.404	3.876	-0.023	0.071	0.065
2	18:58:14	-0.449	0.163	-0.020	2.024	2.317	-0.014	0.093	0.069
3	18:58:56	-0.819	0.120	0.037	2.760	4.466	-0.019	0.045	-0.059
X		-0.737	0.167	-0.011	2.396	3.553	-0.019	0.069	0.025
σ		0.258	0.049	0.044	0.368	1.110	0.004	0.024	0.073
%RSD		34.970	29.260	398.300	15.350	31.260	23.650	34.830	293.700
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:57:32	-0.020	-0.160	-0.033	0.739	0.265	2.618	0.000	-0.025
2	18:58:14	0.096	-0.138	0.037	-0.610	-1.010	-1.689	0.000	0.058
3	18:58:56	-0.001	-0.006	0.036	-1.160	-1.292	-2.520	0.000	0.212
X		0.025	-0.101	0.013	-0.344	-0.679	-0.530	0.000	0.082
σ		0.062	0.083	0.040	0.977	0.830	2.758	0.000	0.120
%RSD		245.200	82.150	301.200	284.200	122.200	520.500	0.000	146.600
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:57:32	72.100%	0.054	0.090	72.358%	-0.001	0.004	-0.105	-0.180
2	18:58:14	72.959%	0.004	0.057	73.808%	-0.006	-0.007	0.101	0.084
3	18:58:56	73.363%	0.149	0.011	74.053%	0.004	-0.001	0.027	-0.066
X		72.807%	0.069	0.053	73.407%	-0.001	-0.001	0.007	-0.054
σ		0.645%	0.073	0.040	0.916%	0.005	0.006	0.104	0.132
%RSD		0.886	106.400	75.540	1.248	393.800	406.300	1392.000	244.800
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:57:32	75.700%	2.846	-0.000	-0.026	-0.117	-0.032	79.406%	80.399%
2	18:58:14	77.352%	2.665	-0.006	0.009	-0.034	-0.016	81.527%	82.491%
3	18:58:56	76.742%	3.159	0.010	-0.012	-0.089	0.049	82.301%	83.231%
X		76.598%	2.890	0.001	-0.009	-0.080	0.001	81.078%	82.041%
σ		0.835%	0.250	0.008	0.018	0.043	0.043	1.499%	1.469%
%RSD		1.090	8.655	668.100	188.800	53.220	7732.000	1.848	1.790
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	18:57:32	0.041	0.038	-0.012	-0.009	-0.003	83.723%		
2	18:58:14	0.038	0.051	0.010	-0.013	0.002	83.982%		
3	18:58:56	0.017	0.034	0.010	-0.000	0.002	83.232%		
X		0.032	0.041	0.003	-0.007	0.000	83.646%		
σ		0.013	0.009	0.013	0.006	0.003	0.381%		
%RSD		40.470	22.450	447.600	88.580	884.400	0.455		

LCS 180-58201/2-A 12/29/2012 7:01:06 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	19:01:47	102.282%	50.120	998.400	940.300	0.000	44730.000	39320.000	39620.000
2	19:02:29	107.945%	50.170	997.300	950.500	0.000	44110.000	39540.000	39830.000
3	19:03:10	114.605%	48.910	983.900	915.300	0.000	42900.000	38990.000	39500.000
X		108.277%	49.730	993.200	935.400	0.000	43910.000	39290.000	39650.000
σ		6.168%	0.716	8.094	18.140	0.000	929.600	277.400	164.600
%RSD		5.696	1.439	0.815	1.939	0.000	2.117	0.706	0.415
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:01:47	1693.000	8761.000	0.000	46410.000	47660.000	47060.000	76.645%	943.700
2	19:02:29	1699.000	8772.000	0.000	45720.000	46830.000	47190.000	80.479%	940.000
3	19:03:10	1675.000	8620.000	0.000	45180.000	46700.000	47100.000	81.955%	933.200
X		1689.000	8718.000	0.000	45770.000	47060.000	47120.000	79.693%	938.900
σ		12.440	84.760	0.000	620.400	521.400	65.490	2.741%	5.336
%RSD		0.736	0.972	0.000	1.355	1.108	0.139	3.439	0.568
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:01:47	455.000	190.900	469.600	760.600	1022.000	462.900	451.600	221.300
2	19:02:29	456.100	192.200	468.900	756.600	1009.000	459.800	454.800	223.700
3	19:03:10	454.600	190.100	471.400	762.400	1008.000	461.100	454.600	224.300
X		455.200	191.000	470.000	759.900	1013.000	461.300	453.700	223.100
σ		0.822	1.063	1.296	2.988	7.491	1.556	1.799	1.581
%RSD		0.181	0.556	0.276	0.393	0.740	0.337	0.397	0.709
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:01:47	221.000	469.100	480.200	37.450	6.598	9.674	0.000	931.600
2	19:02:29	222.400	472.400	476.600	35.710	6.998	8.527	0.000	924.600
3	19:03:10	221.700	474.900	478.300	31.920	8.039	7.962	0.000	932.100
X		221.700	472.100	478.400	35.030	7.211	8.721	0.000	929.400
σ		0.697	2.940	1.805	2.827	0.744	0.872	0.000	4.207
%RSD		0.314	0.623	0.377	8.071	10.320	10.000	0.000	0.453
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:01:47	76.865%	987.000	997.100	74.468%	47.250	46.540	49.890	39.180
2	19:02:29	81.309%	988.200	993.900	78.859%	47.300	46.540	48.420	37.670
3	19:03:10	83.383%	997.200	1009.000	80.566%	47.770	47.350	48.690	39.250
X		80.519%	990.800	999.900	77.964%	47.440	46.810	49.000	38.700
σ		3.330%	5.620	7.864	3.146%	0.286	0.468	0.782	0.890
%RSD		4.136	0.567	0.787	4.035	0.603	1.000	1.595	2.300
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:01:47	79.898%	1985.000	486.300	486.800	1840.000	1801.000	86.907%	89.069%
2	19:02:29	85.751%	1955.000	481.400	482.200	1841.000	1825.000	91.477%	93.179%
3	19:03:10	87.862%	1969.000	486.600	489.300	1831.000	1827.000	94.399%	96.006%
X		84.504%	1970.000	484.800	486.100	1837.000	1818.000	90.928%	92.751%
σ		4.126%	14.940	2.890	3.628	5.440	14.150	3.776%	3.488%
%RSD		4.883	0.758	0.596	0.746	0.296	0.778	4.153	3.761
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	19:01:47	44.800	44.300	19.000	19.400	19.180	89.120%		
2	19:02:29	46.010	45.110	18.710	18.420	18.700	94.659%		
3	19:03:10	46.060	45.740	19.360	19.140	19.280	96.274%		
X		45.630	45.050	19.020	18.990	19.050	93.351%		
σ		0.712	0.724	0.324	0.504	0.314	3.752%		
%RSD		1.560	1.607	1.703	2.654	1.646	4.019		

180-17167-A-1-A

12/29/2012 7:05:21 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:06:02	102.080%	-0.031	70.370	66.750	0.000	57550.000	21400.000	21500.000
2	19:06:44	102.442%	-0.000	59.060	64.610	0.000	56870.000	21330.000	21410.000
3	19:07:25	102.439%	-0.000	64.280	63.400	0.000	56840.000	21420.000	21470.000
X		102.320%	-0.010	64.570	64.920	0.000	57090.000	21380.000	21460.000
σ		0.208%	0.018	5.662	1.696	0.000	401.600	50.630	47.230
%RSD		0.203	170.500	8.769	2.612	0.000	0.704	0.237	0.220
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:06:02	104.700	7066.000	0.000	9653.000	24800.000	25410.000	74.987%	8.284
2	19:06:44	103.700	7064.000	0.000	9498.000	25790.000	25560.000	75.598%	6.983
3	19:07:25	106.900	7087.000	0.000	9537.000	25420.000	25400.000	75.724%	8.136
X		105.100	7072.000	0.000	9563.000	25330.000	25450.000	75.436%	7.801
σ		1.632	12.400	0.000	80.830	498.300	90.000	0.394%	0.713
%RSD		1.553	0.175	0.000	0.845	1.967	0.354	0.522	9.134
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:06:02	-4.369	1.342	76.950	14560.000	14650.000	0.188	1.519	2.210
2	19:06:44	-3.317	1.156	77.210	14400.000	14760.000	0.152	1.521	1.865
3	19:07:25	-3.797	1.354	77.970	14340.000	14730.000	0.238	1.679	2.179
X		-3.828	1.284	77.380	14430.000	14710.000	0.193	1.573	2.085
σ		0.527	0.111	0.534	115.200	60.500	0.043	0.092	0.191
%RSD		13.760	8.673	0.690	0.798	0.411	22.300	5.848	9.166
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:06:02	1.947	7.141	7.108	7.668	-1.549	0.182	0.000	256.100
2	19:06:44	1.979	6.642	7.100	7.120	-1.818	-2.223	0.000	260.900
3	19:07:25	1.817	6.454	7.184	7.722	-1.949	-1.128	0.000	262.000
X		1.914	6.746	7.131	7.503	-1.772	-1.056	0.000	259.700
σ		0.086	0.355	0.046	0.333	0.204	1.204	0.000	3.123
%RSD		4.485	5.262	0.650	4.435	11.490	114.000	0.000	1.203
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:06:02	76.689%	4.309	4.457	74.279%	0.004	0.004	-0.005	-0.025
2	19:06:44	76.980%	2.437	2.506	75.568%	0.018	0.004	-0.117	-0.337
3	19:07:25	77.091%	2.038	1.705	75.877%	0.028	-0.002	0.005	-0.128
X		76.920%	2.928	2.890	75.241%	0.017	0.002	-0.039	-0.163
σ		0.208%	1.213	1.415	0.848%	0.012	0.003	0.067	0.159
%RSD		0.270	41.410	48.980	1.127	74.120	162.600	172.100	97.440
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:06:02	80.727%	27.460	0.289	0.274	48.270	47.370	88.221%	89.282%
2	19:06:44	82.078%	21.960	0.248	0.164	48.700	47.900	89.093%	91.724%
3	19:07:25	81.217%	21.040	0.225	0.265	48.330	49.670	89.816%	92.008%
X		81.341%	23.480	0.254	0.234	48.430	48.310	89.043%	91.005%
σ		0.684%	3.472	0.032	0.061	0.235	1.208	0.798%	1.498%
%RSD		0.840	14.780	12.780	25.990	0.485	2.500	0.897	1.647
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	19:06:02	0.831	0.773	0.693	0.598	0.655	87.667%		
2	19:06:44	0.558	0.607	0.659	0.640	0.630	89.320%		
3	19:07:25	0.401	0.468	0.665	0.642	0.635	90.754%		
X		0.597	0.616	0.672	0.627	0.640	89.247%		
σ		0.217	0.153	0.018	0.025	0.013	1.545%		
%RSD		36.440	24.770	2.696	3.969	2.107	1.731		

180-17167-A-2-A

12/29/2012 7:09:36 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:10:18	96.447%	-0.031	68.870	67.090	0.000	70580.000	18890.000	18900.000
2	19:10:59	100.071%	-0.031	65.240	65.870	0.000	68990.000	18650.000	18720.000
3	19:11:41	100.995%	-0.031	67.190	63.540	0.000	68480.000	18650.000	18660.000
X		99.171%	-0.031	67.100	65.500	0.000	69350.000	18730.000	18760.000
σ		2.404%	0.000	1.819	1.800	0.000	1097.000	140.400	123.200
%RSD		2.424	0.000	2.712	2.748	0.000	1.582	0.750	0.657
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:10:18	144.200	6527.000	0.000	4185.000	35560.000	35530.000	75.521%	10.560
2	19:10:59	146.800	6451.000	0.000	4160.000	36660.000	35680.000	77.084%	9.938
3	19:11:41	141.200	6428.000	0.000	4160.000	35980.000	35530.000	77.011%	8.803
X		144.100	6469.000	0.000	4168.000	36070.000	35580.000	76.539%	9.768
σ		2.814	52.080	0.000	14.590	552.400	84.400	0.882%	0.892
%RSD		1.953	0.805	0.000	0.350	1.532	0.237	1.153	9.128
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:10:18	-2.239	0.927	373.100	52870.000	53950.000	0.561	1.590	3.917
2	19:10:59	-2.555	0.853	374.600	51780.000	53860.000	0.342	1.402	3.675
3	19:11:41	-2.305	1.093	375.000	51850.000	54280.000	0.367	1.920	3.939
X		-2.367	0.958	374.200	52170.000	54030.000	0.423	1.638	3.844
σ		0.167	0.123	1.008	608.000	219.100	0.120	0.262	0.146
%RSD		7.046	12.830	0.269	1.165	0.405	28.370	16.000	3.802
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:10:18	4.608	8.076	8.442	17.590	-0.925	0.174	0.000	373.400
2	19:10:59	3.561	8.335	9.090	15.680	0.110	-1.384	0.000	372.500
3	19:11:41	3.699	7.659	8.777	15.680	-0.755	-0.700	0.000	377.400
X		3.956	8.023	8.770	16.310	-0.523	-0.637	0.000	374.400
σ		0.569	0.341	0.324	1.103	0.555	0.781	0.000	2.631
%RSD		14.380	4.247	3.698	6.761	106.000	122.600	0.000	0.703
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:10:18	77.080%	0.792	0.899	75.624%	0.004	-0.002	0.053	0.048
2	19:10:59	79.372%	0.624	0.799	77.686%	0.008	-0.002	0.088	-0.155
3	19:11:41	79.197%	0.514	0.762	78.160%	0.003	0.003	-0.008	-0.075
X		78.550%	0.643	0.820	77.157%	0.005	-0.000	0.044	-0.061
σ		1.276%	0.140	0.071	1.348%	0.003	0.003	0.048	0.102
%RSD		1.624	21.750	8.638	1.747	56.070	7384.000	109.000	168.600
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:10:18	79.632%	14.290	0.504	0.473	76.210	77.740	87.693%	89.118%
2	19:10:59	82.668%	14.720	0.449	0.390	76.970	77.590	90.205%	91.431%
3	19:11:41	84.545%	12.250	0.474	0.400	76.370	76.570	91.885%	92.688%
X		82.282%	13.750	0.476	0.421	76.520	77.300	89.928%	91.079%
σ		2.479%	1.323	0.027	0.045	0.398	0.636	2.110%	1.811%
%RSD		3.013	9.617	5.714	10.740	0.521	0.823	2.346	1.988
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	19:10:18	0.240	0.235	4.051	3.945	3.974	86.606%		
2	19:10:59	0.172	0.228	4.018	4.138	4.000	90.129%		
3	19:11:41	0.208	0.196	3.833	3.851	3.945	91.181%		
X		0.206	0.219	3.967	3.978	3.973	89.306%		
σ		0.034	0.021	0.117	0.146	0.027	2.396%		
%RSD		16.440	9.490	2.959	3.681	0.692	2.683		

180-17167-A-3-A

12/29/2012 7:13:52 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	19:14:33	100.660%	-0.031	65.760	67.430	0.000	88240.000	23440.000	23470.000
2	19:15:15	102.332%	-0.000	68.820	66.160	0.000	87870.000	23630.000	23730.000
3	19:15:56	104.209%	0.029	68.200	66.980	0.000	87290.000	23490.000	23520.000
X		102.401%	-0.001	67.590	66.860	0.000	87800.000	23520.000	23580.000
σ		1.775%	0.030	1.620	0.646	0.000	481.300	97.740	137.100
%RSD		1.734	5603.000	2.397	0.966	0.000	0.548	0.416	0.582
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:14:33	69.030	5304.000	0.000	4823.000	40960.000	40460.000	74.531%	3.530
2	19:15:15	69.700	5319.000	0.000	4850.000	40230.000	40670.000	76.387%	4.663
3	19:15:56	70.860	5319.000	0.000	4855.000	41650.000	40530.000	77.944%	5.103
X		69.860	5314.000	0.000	4843.000	40950.000	40550.000	76.287%	4.432
σ		0.926	8.299	0.000	16.890	708.500	106.500	1.709%	0.812
%RSD		1.325	0.156	0.000	0.349	1.730	0.263	2.240	18.310
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:14:33	-1.917	0.982	858.900	5926.000	6177.000	0.236	1.283	3.483
2	19:15:15	-2.646	1.260	862.300	5867.000	6164.000	0.377	1.069	3.210
3	19:15:56	-3.619	1.253	864.500	5858.000	6179.000	0.367	1.206	3.855
X		-2.728	1.165	861.900	5884.000	6173.000	0.327	1.186	3.516
σ		0.854	0.158	2.798	36.860	8.339	0.079	0.109	0.324
%RSD		31.300	13.590	0.325	0.627	0.135	24.030	9.160	9.221
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:14:33	3.612	4.403	4.297	18.050	-1.432	-0.071	0.000	286.900
2	19:15:15	3.554	5.236	5.204	17.320	-0.884	-0.190	0.000	288.400
3	19:15:56	4.090	4.742	4.048	15.780	0.313	-1.320	0.000	291.200
X		3.752	4.794	4.516	17.050	-0.667	-0.527	0.000	288.800
σ		0.294	0.419	0.608	1.159	0.892	0.689	0.000	2.213
%RSD		7.834	8.733	13.470	6.796	133.700	130.800	0.000	0.766
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:14:33	77.262%	0.444	0.403	74.715%	0.009	0.009	-0.002	-0.074
2	19:15:15	79.560%	0.352	0.431	77.350%	0.008	0.003	-0.092	-0.122
3	19:15:56	80.151%	0.533	0.372	78.546%	-0.002	0.018	0.027	-0.088
X		78.991%	0.443	0.402	76.870%	0.005	0.010	-0.022	-0.094
σ		1.526%	0.091	0.029	1.960%	0.006	0.008	0.062	0.025
%RSD		1.932	20.540	7.335	2.550	116.400	74.010	275.500	25.950
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:14:33	81.318%	10.480	0.464	0.651	80.400	78.570	86.945%	90.114%
2	19:15:15	83.731%	10.370	0.603	0.673	77.330	77.960	91.945%	93.300%
3	19:15:56	85.286%	10.220	0.636	0.661	77.920	78.890	93.067%	95.086%
X		83.445%	10.360	0.568	0.662	78.550	78.470	90.652%	92.833%
σ		2.000%	0.129	0.092	0.011	1.629	0.473	3.259%	2.519%
%RSD		2.397	1.243	16.160	1.681	2.074	0.602	3.595	2.713
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	19:14:33	0.124	0.123	2.129	2.001	2.145	86.970%		
2	19:15:15	0.106	0.108	2.077	2.000	2.096	91.685%		
3	19:15:56	0.098	0.106	2.048	2.230	2.153	93.388%		
X		0.109	0.112	2.085	2.077	2.131	90.681%		
σ		0.013	0.009	0.041	0.132	0.031	3.325%		
%RSD		12.060	8.280	1.958	6.372	1.461	3.667		

180-17167-A-4-A

12/29/2012 7:18:07 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	19:18:49	98.516%	-0.031	66.460	66.160	0.000	89180.000	23610.000	23640.000
2	19:19:31	99.838%	0.032	73.070	67.980	0.000	88450.000	23750.000	23770.000
3	19:20:12	101.613%	0.061	69.110	65.820	0.000	87340.000	23550.000	23610.000
X		99.989%	0.021	69.550	66.650	0.000	88320.000	23640.000	23670.000
σ		1.554%	0.047	3.327	1.164	0.000	924.300	101.900	85.710
%RSD		1.554	226.100	4.784	1.746	0.000	1.046	0.431	0.362
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:18:49	67.610	5418.000	0.000	4794.000	41070.000	40530.000	76.328%	5.009
2	19:19:31	70.300	5399.000	0.000	4814.000	40370.000	40450.000	77.214%	4.682
3	19:20:12	71.480	5367.000	0.000	4862.000	41100.000	40240.000	77.554%	3.926
X		69.790	5395.000	0.000	4823.000	40850.000	40400.000	77.032%	4.539
σ		1.985	25.960	0.000	34.910	410.200	151.200	0.633%	0.556
%RSD		2.844	0.481	0.000	0.724	1.004	0.374	0.822	12.240
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:18:49	-2.346	1.408	853.700	5116.000	6114.000	0.299	1.134	3.543
2	19:19:31	-2.967	1.350	861.200	5846.000	6184.000	0.295	1.056	2.994
3	19:20:12	-2.574	1.442	861.700	5804.000	6148.000	0.369	1.219	3.749
X		-2.629	1.400	858.900	5589.000	6148.000	0.321	1.137	3.429
σ		0.314	0.047	4.463	409.600	35.110	0.042	0.082	0.390
%RSD		11.960	3.331	0.520	7.329	0.571	12.990	7.183	11.380
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:18:49	2.661	5.198	4.023	18.700	-1.858	-1.144	0.000	283.800
2	19:19:31	3.333	4.787	4.415	19.490	-0.768	0.088	0.000	287.800
3	19:20:12	3.254	5.159	5.180	15.430	-1.521	-1.262	0.000	287.600
X		3.083	5.048	4.539	17.880	-1.382	-0.773	0.000	286.400
σ		0.367	0.227	0.588	2.150	0.558	0.748	0.000	2.278
%RSD		11.900	4.497	12.960	12.030	40.360	96.800	0.000	0.795
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:18:49	78.555%	0.459	0.341	75.896%	0.008	0.004	0.028	-0.084
2	19:19:31	79.549%	0.240	0.485	78.084%	-0.002	-0.002	-0.071	-0.107
3	19:20:12	79.752%	0.349	0.352	77.913%	-0.002	0.003	0.016	-0.055
X		79.285%	0.349	0.393	77.298%	0.002	0.002	-0.009	-0.082
σ		0.641%	0.110	0.080	1.217%	0.006	0.003	0.054	0.026
%RSD		0.808	31.370	20.470	1.574	341.500	178.300	602.800	31.500
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:18:49	81.331%	8.989	0.576	0.517	77.870	77.850	88.060%	89.931%
2	19:19:31	83.287%	8.079	0.652	0.620	78.820	78.750	90.874%	92.367%
3	19:20:12	83.843%	7.616	0.573	0.532	80.400	77.420	91.167%	92.620%
X		82.820%	8.228	0.600	0.556	79.030	78.010	90.033%	91.639%
σ		1.319%	0.699	0.045	0.055	1.276	0.681	1.716%	1.485%
%RSD		1.593	8.494	7.470	9.957	1.615	0.874	1.906	1.620
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	19:18:49	0.114	0.107	2.134	1.945	2.061	85.703%		
2	19:19:31	0.086	0.108	2.029	2.085	2.040	90.257%		
3	19:20:12	0.085	0.121	1.976	2.011	2.013	90.820%		
X		0.095	0.112	2.046	2.014	2.038	88.926%		
σ		0.017	0.007	0.081	0.070	0.024	2.806%		
%RSD		17.500	6.693	3.936	3.481	1.182	3.155		

180-17167-A-5-A

12/29/2012 7:22:23 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	19:23:06	109.913%	-0.031	247.300	223.000	0.000	35090.000	37800.000	38090.000
2	19:23:47	113.002%	-0.031	243.900	226.200	0.000	34970.000	37910.000	38430.000
3	19:24:29	115.324%	-0.031	258.400	221.400	0.000	34840.000	38150.000	42420.000
X		112.746%	-0.031	249.900	223.500	0.000	34970.000	37960.000	39650.000
σ		2.715%	0.000	7.616	2.434	0.000	121.000	177.500	2411.000
%RSD		2.408	0.000	3.048	1.089	0.000	0.346	0.468	6.081
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:23:06	-1.547	7466.000	0.000	14820.000	104300.000	104700.000	81.421%	1.188
2	19:23:47	-0.003	7522.000	0.000	14790.000	104600.000	105300.000	83.580%	1.714
3	19:24:29	-0.902	7499.000	0.000	14770.000	106300.000	105600.000	84.776%	1.384
X		-0.817	7496.000	0.000	14790.000	105100.000	105200.000	83.259%	1.429
σ		0.775	28.210	0.000	22.910	1088.000	466.600	1.700%	0.266
%RSD		94.840	0.376	0.000	0.155	1.035	0.444	2.042	18.610
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:23:06	-9.701	1.599	23.290	94.830	232.800	0.136	1.367	3.597
2	19:23:47	-6.923	2.056	24.960	100.900	241.000	0.143	1.116	3.861
3	19:24:29	-8.531	2.164	24.040	97.310	229.400	0.134	1.319	3.692
X		-8.385	1.940	24.100	97.680	234.400	0.138	1.267	3.716
σ		1.395	0.300	0.836	3.042	5.923	0.005	0.133	0.134
%RSD		16.630	15.470	3.468	3.114	2.527	3.635	10.510	3.592
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:23:06	3.510	12.580	11.970	-1.198	-0.870	0.718	0.000	573.800
2	19:23:47	3.821	12.410	13.750	2.542	-1.076	1.533	0.000	576.800
3	19:24:29	3.334	12.750	13.430	0.860	1.467	-0.449	0.000	583.400
X		3.555	12.580	13.050	0.735	-0.160	0.601	0.000	578.000
σ		0.247	0.171	0.949	1.873	1.413	0.996	0.000	4.945
%RSD		6.940	1.360	7.272	255.000	884.100	165.900	0.000	0.856
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:23:06	81.438%	0.750	0.727	79.122%	-0.006	-0.002	-0.084	-0.123
2	19:23:47	83.769%	0.731	0.862	81.847%	0.021	0.032	-0.036	-0.006
3	19:24:29	84.010%	0.789	0.774	82.692%	0.003	0.012	-0.071	-0.164
X		83.072%	0.757	0.787	81.221%	0.006	0.014	-0.063	-0.098
σ		1.420%	0.030	0.068	1.866%	0.014	0.017	0.025	0.082
%RSD		1.710	3.903	8.698	2.297	244.500	120.100	39.370	84.210
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:23:06	84.302%	6.909	0.606	0.825	111.700	110.500	90.356%	93.336%
2	19:23:47	87.780%	7.188	0.748	0.729	111.300	107.200	94.912%	96.394%
3	19:24:29	88.919%	7.107	0.676	0.768	109.200	109.900	96.042%	96.991%
X		87.000%	7.068	0.676	0.774	110.700	109.200	93.770%	95.574%
σ		2.405%	0.144	0.071	0.049	1.309	1.728	3.010%	1.961%
%RSD		2.764	2.037	10.480	6.283	1.182	1.583	3.210	2.052
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	19:23:06	0.071	0.074	0.268	0.298	0.287	88.699%		
2	19:23:47	0.059	0.085	0.264	0.286	0.293	92.241%		
3	19:24:29	0.061	0.045	0.286	0.351	0.309	93.578%		
X		0.063	0.068	0.273	0.312	0.296	91.506%		
σ		0.006	0.021	0.012	0.035	0.012	2.521%		
%RSD		9.874	30.650	4.261	11.230	3.920	2.755		

180-17167-A-5-A SD@5

12/29/2012 7:26:41 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:27:22	91.807%	0.003	47.270	45.550	0.000	7280.000	7520.000	7530.000
2	19:28:04	91.681%	0.037	48.940	49.780	0.000	7254.000	7540.000	7592.000
3	19:28:45	92.126%	0.036	54.260	46.570	0.000	7137.000	7494.000	7535.000
X		91.871%	0.025	50.160	47.300	0.000	7224.000	7518.000	7553.000
σ		0.229%	0.019	3.653	2.209	0.000	76.290	23.330	34.530
%RSD		0.249	76.630	7.284	4.670	0.000	1.056	0.310	0.457
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:27:22	0.563	1527.000	0.000	2559.000	20710.000	20640.000	78.105%	0.511
2	19:28:04	0.508	1540.000	0.000	2587.000	20860.000	20550.000	77.726%	0.113
3	19:28:45	-1.435	1517.000	0.000	2550.000	21410.000	20780.000	77.024%	0.586
X		-0.122	1528.000	0.000	2566.000	20990.000	20660.000	77.618%	0.404
σ		1.138	11.700	0.000	19.450	365.500	116.800	0.549%	0.254
%RSD		936.100	0.766	0.000	0.758	1.741	0.565	0.707	63.020
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:27:22	-3.778	0.615	5.114	34.950	75.070	0.064	0.419	1.426
2	19:28:04	-3.216	0.570	5.596	33.260	63.910	0.060	0.486	1.398
3	19:28:45	-2.562	0.655	4.948	27.560	66.270	0.043	0.240	1.312
X		-3.185	0.614	5.219	31.920	68.420	0.056	0.382	1.379
σ		0.609	0.042	0.337	3.873	5.882	0.011	0.127	0.059
%RSD		19.100	6.900	6.454	12.130	8.597	19.690	33.370	4.314
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:27:22	1.041	2.815	3.704	-1.454	0.409	-0.793	0.000	115.000
2	19:28:04	1.532	3.042	2.520	-0.806	-1.227	-0.927	0.000	116.400
3	19:28:45	1.242	2.421	3.123	-0.841	-1.374	-1.220	0.000	114.500
X		1.272	2.759	3.116	-1.034	-0.731	-0.980	0.000	115.300
σ		0.247	0.314	0.592	0.364	0.990	0.219	0.000	1.009
%RSD		19.390	11.380	19.010	35.230	135.500	22.290	0.000	0.875
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:27:22	77.837%	0.244	0.360	79.015%	0.042	-0.002	-0.070	-0.113
2	19:28:04	78.004%	0.242	0.216	79.403%	0.013	0.019	0.072	-0.005
3	19:28:45	79.029%	0.144	0.073	79.036%	0.003	-0.002	-0.010	-0.113
X		78.290%	0.210	0.216	79.151%	0.019	0.005	-0.003	-0.077
σ		0.645%	0.057	0.143	0.218%	0.020	0.012	0.072	0.062
%RSD		0.824	27.230	66.180	0.276	105.000	235.700	2683.000	80.620
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:27:22	81.502%	3.222	0.194	0.166	20.410	21.880	86.271%	87.645%
2	19:28:04	82.482%	3.386	0.177	0.171	21.490	22.240	87.123%	88.857%
3	19:28:45	83.332%	2.943	0.195	0.169	21.810	21.870	88.125%	88.952%
X		82.439%	3.183	0.189	0.169	21.240	22.000	87.173%	88.484%
σ		0.916%	0.224	0.010	0.002	0.731	0.213	0.928%	0.729%
%RSD		1.111	7.028	5.510	1.266	3.443	0.970	1.065	0.824
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	19:27:22	0.068	0.077	0.088	0.067	0.094	82.350%		
2	19:28:04	0.064	0.063	0.071	0.098	0.093	84.135%		
3	19:28:45	0.060	0.054	0.056	0.085	0.067	84.982%		
X		0.064	0.064	0.072	0.083	0.085	83.822%		
σ		0.004	0.012	0.016	0.015	0.015	1.343%		
%RSD		6.613	18.050	22.370	18.640	17.820	1.603		

CCV 664806 12/29/2012 7:33:48 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	19:34:31	75.172%	108.000	110.100	106.900	0.000	51510.000	44910.000	45030.000
2	19:35:13	76.584%	110.000	105.600	106.400	0.000	50840.000	45120.000	45500.000
3	19:35:55	77.679%	106.600	103.700	105.300	0.000	50880.000	45510.000	45690.000
X		76.478%	108.200%	106.441%	106.194%	0.000	102.157%	90.367%	90.811%
σ		1.257%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		1.643	1.604	3.097	0.767	0.000	0.741	0.675	0.755
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:34:31	507.500	5163.000	0.000	52080.000	52570.000	51450.000	70.250%	105.200
2	19:35:13	512.000	5219.000	0.000	51360.000	51090.000	51770.000	72.472%	105.200
3	19:35:55	507.300	5265.000	0.000	51320.000	53920.000	51550.000	74.327%	102.500
X		101.785%	104.321%	0.000	103.171%	105.052%	103.181%	72.350%	104.316%
σ		n/a	n/a	0.000	n/a	n/a	n/a	2.041%	n/a
%RSD		0.520	0.980	0.000	0.834	2.697	0.312	2.821	1.471
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:34:31	104.800	105.000	511.200	26020.000	25630.000	103.500	108.200	104.200
2	19:35:13	105.500	104.900	518.900	25610.000	25840.000	106.100	106.200	106.800
3	19:35:55	102.800	106.000	515.400	25570.000	26000.000	105.200	105.000	107.100
X		104.371%	105.277%	103.035%	102.941%	103.298%	104.936%	106.431%	106.041%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		1.322	0.582	0.748	0.962	0.728	1.254	1.515	1.550
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:34:31	105.400	103.200	104.900	97.570	101.100	94.720	0.000	97.160
2	19:35:13	105.700	101.900	106.400	100.200	98.400	98.640	0.000	95.710
3	19:35:55	103.200	105.300	104.400	103.600	98.490	103.000	0.000	96.450
X		104.761%	103.474%	105.250%	100.438%	99.336%	98.798%	0.000	96.443%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		1.317	1.671	0.981	2.992	1.554	4.211	0.000	0.750
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:34:31	79.442%	96.220	98.470	75.464%	98.000	98.000	98.050	98.590
2	19:35:13	82.890%	100.100	100.600	78.812%	98.010	98.140	97.770	96.110
3	19:35:55	83.499%	102.300	101.600	80.804%	99.320	101.500	98.330	100.400
X		81.943%	99.544%	100.235%	78.360%	98.444%	99.223%	98.050%	98.358%
σ		2.188%	n/a	n/a	2.699%	n/a	n/a	n/a	n/a
%RSD		2.670	3.103	1.606	3.444	0.769	2.017	0.289	2.176
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:34:31	79.015%	98.190	98.570	99.440	94.510	96.910	84.458%	84.559%
2	19:35:13	83.187%	99.510	97.680	98.710	96.040	97.300	87.986%	89.218%
3	19:35:55	83.988%	101.500	99.640	99.140	96.180	96.940	89.471%	90.853%
X		82.063%	99.741%	98.629%	99.095%	95.576%	97.051%	87.305%	88.210%
σ		2.670%	n/a	n/a	n/a	n/a	n/a	2.575%	3.266%
%RSD		3.254	1.686	0.993	0.368	0.968	0.226	2.949	3.703
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	19:34:31	99.520	98.750	100.400	99.310	100.200	83.516%		
2	19:35:13	99.890	99.650	101.500	101.900	101.600	86.942%		
3	19:35:55	101.100	100.100	100.700	101.600	101.500	88.589%		
X		100.167%	99.497%	100.881%	100.924%	101.093%	86.349%		
σ		n/a	n/a	n/a	n/a	n/a	2.588%		
%RSD		0.818	0.683	0.533	1.395	0.775	2.997		

CCB4 12/29/2012 7:41:40 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	19:42:21	86.219%	0.040	2.445	2.593	0.000	-32.230	16.210	14.240
2	19:43:03	87.267%	0.039	4.060	2.431	0.000	-1.746	25.800	24.590
3	19:43:45	86.120%	-0.031	1.417	2.341	0.000	-58.100	4.007	4.983
X		86.535%	0.016	2.641	2.455	0.000	-30.690	15.340	14.600
σ		0.636%	0.041	1.332	0.128	0.000	28.210	10.920	9.807
%RSD		0.735	248.700	50.450	5.202	0.000	91.910	71.220	67.150
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:42:21	-2.811	5.056	0.000	7.213	30.600	34.250	80.161%	-0.023
2	19:43:03	-2.038	5.999	0.000	15.190	92.000	60.820	80.217%	0.107
3	19:43:45	-4.128	4.836	0.000	-3.941	19.290	11.200	80.613%	0.106
X		-2.992	5.297	0.000	6.155	47.290	35.420	80.330%	0.063
σ		1.057	0.618	0.000	9.612	39.120	24.830	0.246%	0.074
%RSD		35.310	11.670	0.000	156.200	82.720	70.100	0.307	117.400
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:42:21	-0.004	0.040	0.178	15.260	22.220	0.016	0.077	0.437
2	19:43:03	0.085	0.075	0.438	16.320	19.450	0.060	0.182	0.409
3	19:43:45	-0.093	-0.038	0.049	6.293	9.242	-0.000	0.055	0.397
X		-0.004	0.025	0.222	12.620	16.970	0.025	0.105	0.415
σ		0.089	0.058	0.198	5.509	6.836	0.031	0.068	0.020
%RSD		2173.000	227.200	89.380	43.640	40.280	123.900	64.980	4.905
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:42:21	0.400	0.613	1.080	-0.055	-1.200	-0.204	0.000	0.273
2	19:43:03	0.457	0.839	0.127	0.166	-1.005	0.393	0.000	0.446
3	19:43:45	0.243	0.294	0.081	0.011	-0.286	-0.061	0.000	0.092
X		0.367	0.582	0.430	0.041	-0.830	0.043	0.000	0.270
σ		0.111	0.274	0.564	0.113	0.482	0.312	0.000	0.177
%RSD		30.200	47.060	131.300	279.000	57.990	730.300	0.000	65.430
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:42:21	80.711%	0.275	0.229	82.469%	0.059	0.028	-0.022	-0.053
2	19:43:03	82.344%	0.188	0.127	83.260%	0.081	0.042	0.032	0.005
3	19:43:45	82.208%	0.199	0.101	84.126%	0.007	0.018	0.117	0.056
X		81.754%	0.221	0.153	83.285%	0.049	0.029	0.042	0.002
σ		0.906%	0.047	0.068	0.829%	0.038	0.012	0.070	0.055
%RSD		1.109	21.420	44.440	0.995	77.150	42.180	167.300	2185.000
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:42:21	82.988%	0.662	0.039	0.033	0.014	0.074	85.436%	86.150%
2	19:43:03	84.901%	0.616	0.092	0.083	0.012	0.239	86.077%	86.968%
3	19:43:45	84.284%	0.676	0.037	-0.007	0.037	0.026	87.862%	88.488%
X		84.058%	0.651	0.056	0.036	0.021	0.113	86.458%	87.202%
σ		0.976%	0.031	0.031	0.045	0.014	0.112	1.258%	1.186%
%RSD		1.162	4.815	55.760	124.200	66.000	99.310	1.454	1.361
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	19:42:21	0.086	0.084	0.046	0.033	0.046	88.762%		
2	19:43:03	0.076	0.091	0.093	0.045	0.060	89.421%		
3	19:43:45	0.023	0.052	-0.003	0.002	0.010	89.983%		
X		0.062	0.076	0.046	0.027	0.039	89.389%		
σ		0.034	0.021	0.048	0.022	0.026	0.611%		
%RSD		55.140	27.480	105.300	83.580	67.340	0.684		

180-17167-A-5-B MS

12/29/2012 7:45:58 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	19:46:40	106.786%	48.340	1203.000	1153.000	0.000	79290.000	86860.000	86830.000
2	19:47:22	111.091%	49.080	1191.000	1151.000	0.000	77730.000	85240.000	85380.000
3	19:48:03	112.509%	50.660	1202.000	1157.000	0.000	77640.000	84900.000	85400.000
X		110.128%	49.360	1199.000	1154.000	0.000	78220.000	85670.000	85870.000
σ		2.980%	1.186	6.549	2.877	0.000	925.800	1050.000	832.500
%RSD		2.706	2.403	0.546	0.249	0.000	1.184	1.225	0.969
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:46:40	1687.000	16370.000	0.000	60510.000	151900.000	153200.000	79.784%	940.400
2	19:47:22	1684.000	16360.000	0.000	59200.000	149100.000	153600.000	81.560%	934.700
3	19:48:03	1686.000	16390.000	0.000	59090.000	150000.000	154100.000	82.060%	944.200
X		1686.000	16370.000	0.000	59600.000	150300.000	153700.000	81.135%	939.800
σ		1.400	13.850	0.000	789.800	1417.000	441.000	1.197%	4.769
%RSD		0.083	0.085	0.000	1.325	0.943	0.287	1.475	0.507
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:46:40	461.100	189.500	490.700	845.300	1228.000	470.300	466.400	225.900
2	19:47:22	465.100	191.800	498.100	856.700	1273.000	473.500	465.600	231.700
3	19:48:03	460.800	194.200	497.100	846.600	1235.000	471.500	459.900	230.200
X		462.400	191.800	495.300	849.500	1245.000	471.800	463.900	229.200
σ		2.382	2.372	4.003	6.224	24.130	1.641	3.566	3.027
%RSD		0.515	1.236	0.808	0.733	1.938	0.348	0.769	1.320
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:46:40	223.200	475.600	484.000	38.200	7.640	8.346	0.000	1576.000
2	19:47:22	227.300	480.300	490.800	35.950	7.562	9.162	0.000	1604.000
3	19:48:03	231.300	484.100	493.000	35.480	7.354	7.901	0.000	1611.000
X		227.300	480.000	489.300	36.540	7.519	8.469	0.000	1597.000
σ		4.074	4.227	4.698	1.453	0.148	0.640	0.000	18.870
%RSD		1.793	0.881	0.960	3.976	1.965	7.551	0.000	1.182
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:46:40	74.604%	1018.000	1013.000	74.875%	47.700	45.710	46.140	37.700
2	19:47:22	75.822%	1038.000	1028.000	77.073%	47.340	47.030	48.630	37.880
3	19:48:03	76.379%	1032.000	1031.000	77.913%	46.620	46.790	47.530	40.990
X		75.602%	1029.000	1024.000	76.620%	47.220	46.510	47.430	38.850
σ		0.908%	9.850	9.659	1.569%	0.548	0.707	1.246	1.847
%RSD		1.201	0.957	0.944	2.048	1.160	1.519	2.627	4.755
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:46:40	80.331%	1931.000	477.200	480.600	1947.000	1944.000	85.625%	88.707%
2	19:47:22	82.320%	1957.000	484.900	487.400	1949.000	1951.000	89.868%	92.169%
3	19:48:03	83.636%	1951.000	488.300	481.700	1957.000	1951.000	91.466%	93.567%
X		82.095%	1947.000	483.500	483.200	1951.000	1949.000	88.986%	91.481%
σ		1.664%	13.480	5.687	3.610	4.999	4.269	3.019%	2.502%
%RSD		2.027	0.692	1.176	0.747	0.256	0.219	3.392	2.735
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	19:46:40	45.530	44.910	20.020	19.870	19.910	84.578%		
2	19:47:22	46.510	45.560	19.540	19.010	19.410	89.556%		
3	19:48:03	46.550	46.550	20.080	20.020	19.890	88.863%		
X		46.200	45.670	19.880	19.640	19.740	87.666%		
σ		0.583	0.825	0.292	0.545	0.284	2.696%		
%RSD		1.261	1.805	1.471	2.775	1.436	3.076		

180-17167-A-5-C MSD

12/29/2012 7:50:16 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	19:50:57	109.844%	47.530	1191.000	1140.000	0.000	76800.000	84740.000	84580.000
2	19:51:39	109.665%	50.420	1238.000	1142.000	0.000	76990.000	84390.000	84530.000
3	19:52:21	110.959%	48.670	1222.000	1153.000	0.000	76900.000	84320.000	84300.000
X		110.156%	48.870	1217.000	1145.000	0.000	76900.000	84480.000	84470.000
σ		0.701%	1.455	24.140	6.955	0.000	96.920	220.600	152.800
%RSD		0.636	2.977	1.984	0.607	0.000	0.126	0.261	0.181
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:50:57	1668.000	16070.000	0.000	58730.000	150400.000	151900.000	80.237%	925.700
2	19:51:39	1679.000	16180.000	0.000	58690.000	148700.000	152600.000	81.191%	924.800
3	19:52:21	1673.000	16140.000	0.000	58690.000	149700.000	153500.000	80.875%	937.500
X		1673.000	16130.000	0.000	58700.000	149600.000	152700.000	80.768%	929.300
σ		5.434	55.240	0.000	25.170	877.600	778.200	0.486%	7.057
%RSD		0.325	0.342	0.000	0.043	0.587	0.510	0.602	0.759
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:50:57	463.300	192.900	493.000	844.400	1205.000	473.100	464.100	227.600
2	19:51:39	460.200	189.800	497.300	841.800	1250.000	470.400	457.800	228.100
3	19:52:21	460.000	193.000	497.000	847.100	1212.000	467.000	466.400	229.700
X		461.200	191.900	495.800	844.500	1223.000	470.200	462.800	228.500
σ		1.865	1.795	2.355	2.662	23.980	3.028	4.465	1.089
%RSD		0.404	0.935	0.475	0.315	1.961	0.644	0.965	0.477
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:50:57	226.900	485.300	494.100	35.840	7.372	7.971	0.000	1620.000
2	19:51:39	226.600	491.800	493.200	36.350	7.316	7.564	0.000	1633.000
3	19:52:21	230.500	493.700	504.000	36.800	5.804	8.943	0.000	1644.000
X		228.000	490.300	497.100	36.330	6.831	8.159	0.000	1632.000
σ		2.137	4.434	6.000	0.482	0.889	0.709	0.000	11.820
%RSD		0.937	0.904	1.207	1.327	13.020	8.686	0.000	0.724
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:50:57	73.465%	1029.000	1019.000	76.097%	47.580	45.960	47.240	39.480
2	19:51:39	74.762%	1034.000	1032.000	77.431%	47.500	45.860	46.310	39.030
3	19:52:21	74.553%	1043.000	1027.000	78.066%	46.390	46.160	46.500	39.160
X		74.260%	1035.000	1026.000	77.198%	47.160	45.990	46.680	39.230
σ		0.696%	7.484	7.008	1.005%	0.667	0.154	0.490	0.232
%RSD		0.938	0.723	0.683	1.302	1.415	0.334	1.049	0.592
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:50:57	82.750%	1906.000	478.200	478.100	1927.000	1909.000	89.912%	90.955%
2	19:51:39	84.093%	1944.000	482.900	486.100	1939.000	1933.000	91.447%	93.592%
3	19:52:21	84.652%	1943.000	485.800	483.300	1938.000	1932.000	92.521%	94.261%
X		83.831%	1931.000	482.300	482.500	1935.000	1925.000	91.293%	92.936%
σ		0.978%	21.360	3.846	4.090	6.556	13.270	1.311%	1.748%
%RSD		1.166	1.106	0.797	0.848	0.339	0.690	1.436	1.881
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	19:50:57	47.020	45.910	19.990	19.110	19.700	86.084%		
2	19:51:39	46.610	46.330	20.090	19.940	20.140	89.389%		
3	19:52:21	46.730	45.660	19.710	19.570	19.610	92.210%		
X		46.790	45.960	19.930	19.540	19.820	89.228%		
σ		0.211	0.340	0.196	0.414	0.281	3.066%		
%RSD		0.451	0.739	0.985	2.121	1.417	3.436		

180-17167-A-6-A

12/29/2012 7:54:31 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	19:55:13	94.455%	-0.031	130.700	124.500	0.000	21000.000	26160.000	26230.000
2	19:55:54	95.066%	-0.031	126.900	126.700	0.000	20810.000	26290.000	26260.000
3	19:56:36	97.116%	-0.031	119.200	116.800	0.000	20490.000	26000.000	26120.000
X		95.546%	-0.031	125.600	122.600	0.000	20770.000	26150.000	26200.000
σ		1.394%	0.000	5.900	5.190	0.000	260.400	148.600	73.830
%RSD		1.459	0.000	4.698	4.232	0.000	1.254	0.568	0.282
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:55:13	-0.403	10250.000	0.000	5198.000	66670.000	66630.000	71.323%	4.059
2	19:55:54	-1.082	10290.000	0.000	5191.000	66500.000	66040.000	72.650%	3.126
3	19:56:36	-1.126	10230.000	0.000	5187.000	66720.000	65540.000	73.362%	3.307
X		-0.870	10260.000	0.000	5192.000	66630.000	66070.000	72.445%	3.497
σ		0.405	30.460	0.000	5.928	114.300	544.100	1.035%	0.495
%RSD		46.530	0.297	0.000	0.114	0.172	0.824	1.428	14.140
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:55:13	-2.345	0.780	334.800	70240.000	72450.000	0.323	1.465	2.749
2	19:55:54	-2.454	0.593	335.200	69580.000	72850.000	0.276	1.452	2.476
3	19:56:36	-3.017	0.570	335.100	69130.000	72740.000	0.229	1.685	2.234
X		-2.605	0.648	335.000	69650.000	72680.000	0.276	1.534	2.486
σ		0.361	0.115	0.157	559.900	204.800	0.047	0.131	0.258
%RSD		13.840	17.810	0.047	0.804	0.282	17.050	8.537	10.370
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:55:13	2.373	7.690	8.229	9.240	0.337	-0.198	0.000	382.400
2	19:55:54	2.184	6.916	7.210	9.294	-0.007	-1.191	0.000	383.600
3	19:56:36	2.532	7.257	7.555	11.160	-1.362	-1.814	0.000	385.800
X		2.363	7.288	7.665	9.898	-0.344	-1.068	0.000	383.900
σ		0.175	0.388	0.518	1.092	0.898	0.815	0.000	1.741
%RSD		7.386	5.327	6.758	11.030	261.100	76.310	0.000	0.454
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:55:13	72.986%	5.114	5.406	71.932%	0.009	0.021	-0.044	-0.193
2	19:55:54	74.298%	2.779	2.529	73.218%	0.014	-0.002	-0.070	-0.187
3	19:56:36	75.048%	2.239	1.919	74.353%	0.019	-0.002	0.021	-0.063
X		74.111%	3.377	3.284	73.168%	0.014	0.006	-0.031	-0.148
σ		1.043%	1.528	1.862	1.211%	0.005	0.013	0.047	0.074
%RSD		1.408	45.250	56.700	1.656	33.980	217.700	149.300	49.760
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:55:13	76.486%	16.160	0.508	0.578	115.800	115.200	84.497%	85.930%
2	19:55:54	79.277%	12.350	0.364	0.381	114.600	114.100	86.534%	88.098%
3	19:56:36	80.119%	11.860	0.427	0.390	114.600	113.400	88.432%	89.535%
X		78.628%	13.460	0.433	0.450	115.000	114.200	86.488%	87.854%
σ		1.902%	2.351	0.073	0.111	0.698	0.912	1.968%	1.815%
%RSD		2.418	17.470	16.770	24.750	0.607	0.799	2.276	2.066
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	19:55:13	0.984	1.004	0.581	0.554	0.564	85.406%		
2	19:55:54	0.719	0.701	0.526	0.523	0.503	88.337%		
3	19:56:36	0.588	0.575	0.595	0.512	0.539	88.263%		
X		0.764	0.760	0.567	0.530	0.535	87.335%		
σ		0.201	0.221	0.036	0.022	0.031	1.672%		
%RSD		26.360	29.030	6.399	4.141	5.790	1.914		

180-17167-A-7-A

12/29/2012 7:58:46 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	19:59:27	93.238%	-0.031	42.930	40.860	0.000	46940.000	39960.000	40240.000
2	20:00:09	95.580%	-0.031	40.150	39.320	0.000	46710.000	40100.000	40600.000
3	20:00:51	96.805%	-0.031	38.020	37.000	0.000	46630.000	40220.000	40520.000
X		95.208%	-0.031	40.360	39.060	0.000	46760.000	40090.000	40460.000
σ		1.812%	0.000	2.460	1.943	0.000	159.700	132.600	190.800
%RSD		1.904	0.000	6.095	4.976	0.000	0.342	0.331	0.472
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:59:27	-3.167	8388.000	0.000	1275.000	40140.000	40430.000	70.982%	1.885
2	20:00:09	-3.366	8384.000	0.000	1286.000	41450.000	40640.000	71.722%	2.009
3	20:00:51	-3.452	8362.000	0.000	1286.000	40670.000	41050.000	72.073%	1.638
X		-3.328	8378.000	0.000	1282.000	40750.000	40710.000	71.592%	1.844
σ		0.146	14.390	0.000	6.502	658.300	316.400	0.557%	0.189
%RSD		4.393	0.172	0.000	0.507	1.615	0.777	0.778	10.240
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:59:27	-5.156	0.463	490.900	25550.000	26080.000	3.302	0.899	1.974
2	20:00:09	-4.470	0.428	497.200	25350.000	26450.000	3.122	0.540	1.902
3	20:00:51	-2.708	0.429	501.200	25360.000	26400.000	3.364	0.681	1.922
X		-4.111	0.440	496.400	25420.000	26310.000	3.263	0.707	1.933
σ		1.262	0.020	5.210	110.300	199.000	0.126	0.181	0.037
%RSD		30.710	4.509	1.049	0.434	0.756	3.860	25.560	1.909
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:59:27	1.415	2.205	2.459	27.780	-0.213	-0.242	0.000	295.200
2	20:00:09	2.155	1.754	2.325	28.740	-1.722	-1.222	0.000	298.300
3	20:00:51	1.259	1.155	2.338	27.000	-1.368	0.089	0.000	297.200
X		1.610	1.705	2.374	27.840	-1.101	-0.458	0.000	296.900
σ		0.479	0.527	0.074	0.869	0.789	0.681	0.000	1.527
%RSD		29.740	30.910	3.119	3.122	71.680	148.600	0.000	0.514
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:59:27	73.357%	15.860	17.510	72.207%	0.004	-0.001	-0.185	-0.226
2	20:00:09	74.228%	16.850	16.920	73.973%	-0.006	0.009	0.032	-0.048
3	20:00:51	75.744%	16.870	17.080	74.340%	0.004	-0.002	-0.101	-0.140
X		74.443%	16.530	17.170	73.507%	0.000	0.002	-0.085	-0.138
σ		1.207%	0.576	0.303	1.140%	0.006	0.006	0.109	0.089
%RSD		1.622	3.488	1.767	1.551	1605.000	293.800	128.700	64.380
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:59:27	77.052%	8.171	0.119	0.023	93.870	92.030	84.590%	85.913%
2	20:00:09	78.752%	8.248	0.116	0.036	97.650	95.530	86.824%	87.570%
3	20:00:51	80.287%	7.218	0.103	0.128	93.990	97.180	88.049%	89.863%
X		78.697%	7.879	0.112	0.062	95.170	94.910	86.488%	87.782%
σ		1.618%	0.574	0.009	0.057	2.145	2.632	1.754%	1.984%
%RSD		2.056	7.281	7.604	92.140	2.254	2.773	2.028	2.260
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	19:59:27	0.351	0.343	0.066	0.058	0.066	82.709%		
2	20:00:09	0.292	0.274	0.009	0.055	0.042	86.502%		
3	20:00:51	0.262	0.229	0.032	0.049	0.053	88.771%		
X		0.302	0.282	0.035	0.054	0.054	85.994%		
σ		0.045	0.058	0.029	0.005	0.012	3.063%		
%RSD		14.960	20.390	80.430	8.900	22.420	3.562		

180-17167-A-8-A

12/29/2012 8:03:00 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	20:03:42	99.376%	-0.031	64.460	66.540	0.000	47810.000	51960.000	57790.000
2	20:04:24	99.705%	-0.031	69.480	67.260	0.000	48020.000	52730.000	57870.000
3	20:05:05	98.928%	-0.031	68.780	67.560	0.000	48300.000	53160.000	58180.000
X		99.336%	-0.031	67.570	67.120	0.000	48040.000	52620.000	57950.000
σ		0.390%	0.000	2.719	0.522	0.000	250.000	610.000	207.400
%RSD		0.393	0.000	4.024	0.777	0.000	0.520	1.159	0.358
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:03:42	39.530	9859.000	0.000	3340.000	65060.000	65010.000	75.417%	4.318
2	20:04:24	39.190	10070.000	0.000	3369.000	65720.000	65290.000	76.653%	3.635
3	20:05:05	38.540	10100.000	0.000	3401.000	65460.000	65650.000	76.920%	3.892
X		39.090	10010.000	0.000	3370.000	65410.000	65310.000	76.330%	3.948
σ		0.502	130.400	0.000	30.290	333.900	322.000	0.802%	0.345
%RSD		1.285	1.303	0.000	0.899	0.510	0.493	1.050	8.736
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:03:42	-4.337	0.870	2628.000	16140.000	16540.000	47.470	19.540	2.406
2	20:04:24	-2.800	0.990	2667.000	16030.000	16750.000	48.050	20.670	2.506
3	20:05:05	-3.743	0.931	2661.000	15950.000	16690.000	47.920	22.980	2.803
X		-3.627	0.930	2652.000	16040.000	16660.000	47.810	21.060	2.572
σ		0.775	0.060	21.100	93.930	104.900	0.307	1.754	0.206
%RSD		21.370	6.462	0.796	0.586	0.630	0.643	8.329	8.013
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:03:42	2.561	7.088	8.510	1.155	-0.897	-2.195	0.000	544.000
2	20:04:24	2.764	8.176	8.132	0.088	-1.110	-1.045	0.000	543.200
3	20:05:05	2.314	7.742	8.274	3.545	-0.735	-0.260	0.000	545.800
X		2.546	7.669	8.306	1.596	-0.914	-1.167	0.000	544.300
σ		0.225	0.547	0.191	1.770	0.188	0.973	0.000	1.322
%RSD		8.847	7.137	2.300	110.900	20.550	83.420	0.000	0.243
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:03:42	76.244%	1.129	1.215	74.957%	0.024	0.014	0.066	-0.051
2	20:04:24	78.666%	1.153	1.160	77.345%	0.003	-0.002	0.003	-0.180
3	20:05:05	78.620%	1.066	1.119	77.978%	-0.002	0.003	-0.049	-0.133
X		77.843%	1.116	1.165	76.760%	0.008	0.005	0.007	-0.122
σ		1.385%	0.045	0.048	1.593%	0.013	0.008	0.058	0.065
%RSD		1.779	4.019	4.143	2.076	159.400	155.100	870.200	53.700
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:03:42	80.007%	6.906	0.150	0.109	86.540	83.800	86.715%	89.410%
2	20:04:24	83.086%	7.386	0.078	0.148	85.600	86.480	91.386%	91.836%
3	20:05:05	83.030%	7.129	0.129	0.090	85.520	83.980	91.345%	92.321%
X		82.041%	7.140	0.119	0.116	85.890	84.750	89.815%	91.189%
σ		1.762%	0.240	0.037	0.030	0.564	1.498	2.685%	1.560%
%RSD		2.147	3.363	31.100	25.660	0.656	1.768	2.990	1.710
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	20:03:42	0.209	0.200	0.458	0.449	0.492	85.981%		
2	20:04:24	0.209	0.214	0.559	0.458	0.519	89.509%		
3	20:05:05	0.186	0.179	0.539	0.461	0.513	91.123%		
X		0.202	0.198	0.519	0.456	0.508	88.871%		
σ		0.013	0.018	0.053	0.006	0.015	2.630%		
%RSD		6.603	8.909	10.250	1.333	2.856	2.959		

180-17167-A-9-A

12/29/2012 8:07:15 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	20:07:57	94.165%	0.036	32.380	31.380	0.000	11540.000	3920.000	3939.000
2	20:08:39	95.293%	-0.031	30.600	32.180	0.000	11410.000	3914.000	3931.000
3	20:09:21	95.348%	0.002	33.550	31.770	0.000	11410.000	3885.000	3916.000
X		94.935%	0.002	32.180	31.780	0.000	11450.000	3906.000	3929.000
σ		0.668%	0.033	1.487	0.400	0.000	75.490	18.740	11.860
%RSD		0.704	1439.000	4.621	1.259	0.000	0.659	0.480	0.302
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:07:57	76.120	4673.000	0.000	5112.000	27960.000	28350.000	71.419%	4.708
2	20:08:39	72.620	4660.000	0.000	5167.000	28640.000	28320.000	71.600%	5.343
3	20:09:21	73.110	4633.000	0.000	5154.000	29160.000	28280.000	71.825%	5.399
X		73.950	4656.000	0.000	5144.000	28590.000	28320.000	71.615%	5.150
σ		1.895	20.460	0.000	28.860	601.000	37.980	0.203%	0.384
%RSD		2.562	0.440	0.000	0.561	2.102	0.134	0.284	7.456
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:07:57	-3.286	1.395	237.500	13600.000	13620.000	0.195	5.267	6.403
2	20:08:39	-3.443	1.414	235.500	13410.000	13540.000	0.229	4.738	6.378
3	20:09:21	-1.246	1.306	236.900	13360.000	13660.000	0.210	4.461	6.489
X		-2.658	1.372	236.600	13460.000	13610.000	0.211	4.822	6.423
σ		1.225	0.058	1.009	123.600	59.270	0.017	0.410	0.058
%RSD		46.090	4.217	0.426	0.919	0.436	8.084	8.501	0.909
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:07:57	6.159	58.610	61.340	-0.596	-0.336	-0.385	0.000	271.600
2	20:08:39	6.300	57.280	60.500	0.873	-1.330	0.276	0.000	269.700
3	20:09:21	6.451	60.210	62.610	0.451	-1.069	-0.954	0.000	270.900
X		6.303	58.700	61.480	0.243	-0.912	-0.354	0.000	270.700
σ		0.146	1.467	1.063	0.757	0.515	0.616	0.000	0.979
%RSD		2.319	2.499	1.729	311.900	56.530	173.800	0.000	0.361
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:07:57	72.904%	0.462	0.249	72.955%	0.004	-0.007	0.239	0.251
2	20:08:39	74.545%	0.331	0.283	74.261%	-0.001	-0.007	0.266	0.229
3	20:09:21	74.604%	0.244	0.246	74.393%	0.014	-0.007	0.008	0.062
X		74.018%	0.346	0.259	73.870%	0.005	-0.007	0.171	0.180
σ		0.965%	0.110	0.020	0.795%	0.008	0.000	0.142	0.103
%RSD		1.304	31.770	7.781	1.076	142.300	0.000	82.740	57.330
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:07:57	77.500%	5.853	0.324	0.287	43.820	41.820	83.815%	85.114%
2	20:08:39	78.974%	5.497	0.302	0.254	43.710	43.430	84.995%	86.263%
3	20:09:21	78.946%	6.070	0.306	0.355	44.900	42.740	87.098%	87.557%
X		78.473%	5.806	0.311	0.299	44.140	42.670	85.303%	86.311%
σ		0.843%	0.289	0.012	0.051	0.654	0.806	1.663%	1.222%
%RSD		1.074	4.984	3.785	17.230	1.481	1.890	1.950	1.416
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	20:07:57	0.152	0.115	0.961	0.834	0.935	84.601%		
2	20:08:39	0.122	0.104	0.939	0.971	0.975	86.888%		
3	20:09:21	0.103	0.112	1.036	0.846	0.943	88.173%		
X		0.126	0.111	0.979	0.884	0.951	86.554%		
σ		0.025	0.006	0.051	0.076	0.021	1.809%		
%RSD		19.760	5.431	5.183	8.581	2.243	2.090		

180-17167-A-10-A 12/29/2012 8:11:31 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	20:12:12	96.920%	-0.031	3.892	4.174	0.000	-62.800	5.477	5.681
2	20:12:54	101.089%	0.000	5.630	3.636	0.000	-69.940	1.468	1.033
3	20:13:36	100.978%	-0.031	3.711	3.924	0.000	-55.550	8.097	8.153
X		99.662%	-0.020	4.411	3.911	0.000	-62.760	5.014	4.956
σ		2.375%	0.018	1.059	0.270	0.000	7.195	3.339	3.615
%RSD		2.384	87.700	24.010	6.892	0.000	11.460	66.590	72.950
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:12:12	-2.727	18.280	0.000	2.239	21.110	21.120	73.868%	0.967
2	20:12:54	-3.296	16.460	0.000	0.442	26.890	10.770	74.340%	0.680
3	20:13:36	-2.921	17.810	0.000	3.747	32.560	30.670	74.989%	0.466
X		-2.981	17.510	0.000	2.143	26.850	20.860	74.399%	0.704
σ		0.289	0.943	0.000	1.654	5.729	9.955	0.563%	0.251
%RSD		9.688	5.386	0.000	77.200	21.330	47.730	0.757	35.630
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:12:12	-4.402	0.814	0.305	16.020	26.520	0.003	0.064	1.492
2	20:12:54	-5.946	0.818	0.178	8.577	14.840	-0.007	0.063	1.564
3	20:13:36	-7.046	0.761	0.438	10.650	18.220	-0.024	0.154	1.430
X		-5.798	0.798	0.307	11.750	19.860	-0.009	0.094	1.495
σ		1.328	0.032	0.130	3.841	6.008	0.014	0.052	0.067
%RSD		22.910	3.971	42.290	32.690	30.260	144.600	55.300	4.480
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:12:12	0.849	0.572	0.390	-0.654	-1.107	-2.598	0.000	0.173
2	20:12:54	1.712	0.332	0.638	-0.932	-1.270	-1.405	0.000	0.110
3	20:13:36	1.541	0.734	0.486	0.323	-2.314	0.422	0.000	0.289
X		1.367	0.546	0.505	-0.421	-1.564	-1.194	0.000	0.191
σ		0.457	0.202	0.125	0.659	0.655	1.521	0.000	0.091
%RSD		33.420	36.990	24.750	156.700	41.870	127.400	0.000	47.530
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:12:12	75.147%	0.009	0.046	76.073%	0.008	0.009	0.058	-0.027
2	20:12:54	76.118%	-0.065	-0.053	77.198%	0.028	-0.007	-0.087	-0.079
3	20:13:36	76.320%	-0.011	0.108	77.594%	0.008	0.014	-0.174	-0.164
X		75.862%	-0.022	0.034	76.955%	0.015	0.005	-0.067	-0.090
σ		0.627%	0.039	0.081	0.789%	0.011	0.011	0.117	0.069
%RSD		0.826	173.200	238.300	1.025	75.920	204.300	174.100	77.130
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:12:12	79.958%	4.923	0.077	0.021	-0.010	0.171	85.565%	85.909%
2	20:12:54	81.104%	5.189	0.029	0.027	0.042	-0.018	85.526%	87.849%
3	20:13:36	80.556%	5.417	0.030	0.034	0.041	0.075	87.309%	87.254%
X		80.539%	5.176	0.045	0.028	0.025	0.076	86.133%	87.004%
σ		0.573%	0.247	0.028	0.006	0.030	0.095	1.018%	0.994%
%RSD		0.711	4.774	60.880	23.290	122.000	125.000	1.182	1.142
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	20:12:12	0.117	0.073	0.016	0.031	0.019	86.554%		
2	20:12:54	0.080	0.086	0.001	0.014	0.010	88.514%		
3	20:13:36	0.086	0.080	0.005	-0.006	0.008	88.360%		
X		0.094	0.079	0.007	0.013	0.012	87.809%		
σ		0.020	0.006	0.008	0.018	0.006	1.090%		
%RSD		21.080	8.152	105.700	139.700	47.330	1.241		

180-17167-A-11-A 12/29/2012 8:15:46 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	20:16:28	95.964%	-0.031	3.951	3.394	0.000	55.730	1.412	1.614
2	20:17:10	97.624%	-0.031	2.591	3.975	0.000	61.370	3.144	3.443
3	20:17:51	99.953%	-0.031	4.907	3.168	0.000	61.730	3.416	4.946
X		97.847%	-0.031	3.816	3.512	0.000	59.610	2.658	3.334
σ		2.004%	0.000	1.164	0.416	0.000	3.367	1.087	1.669
%RSD		2.048	0.000	30.500	11.850	0.000	5.648	40.900	50.050
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:16:28	-3.624	100.400	0.000	1.303	34.020	49.920	72.067%	0.489
2	20:17:10	-3.689	100.200	0.000	1.199	21.550	58.480	72.466%	0.414
3	20:17:51	-3.813	100.600	0.000	3.314	51.400	43.970	73.474%	0.549
X		-3.709	100.400	0.000	1.939	35.660	50.790	72.669%	0.484
σ		0.096	0.222	0.000	1.192	15.000	7.294	0.725%	0.068
%RSD		2.589	0.221	0.000	61.490	42.060	14.360	0.997	13.960
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:16:28	-5.809	0.839	0.144	6.019	10.710	-0.024	0.068	1.307
2	20:17:10	-5.848	0.865	0.209	6.278	11.900	-0.010	0.232	1.650
3	20:17:51	-5.535	1.014	0.176	6.036	9.756	-0.019	0.182	1.656
X		-5.731	0.906	0.176	6.111	10.790	-0.018	0.160	1.538
σ		0.171	0.094	0.032	0.145	1.072	0.007	0.084	0.200
%RSD		2.981	10.410	18.270	2.379	9.937	38.340	52.320	12.980
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:16:28	1.700	0.846	1.105	-2.269	-1.268	-1.812	0.000	0.111
2	20:17:10	1.624	0.905	0.930	1.507	-1.858	-1.609	0.000	0.139
3	20:17:51	1.586	0.817	0.734	0.498	-1.999	-1.377	0.000	0.230
X		1.637	0.856	0.923	-0.088	-1.708	-1.599	0.000	0.160
σ		0.058	0.045	0.186	1.955	0.388	0.218	0.000	0.062
%RSD		3.547	5.240	20.090	2221.000	22.700	13.620	0.000	38.930
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:16:28	72.205%	-0.126	-0.075	73.207%	0.004	-0.007	0.014	-0.041
2	20:17:10	74.096%	-0.101	-0.071	74.632%	0.014	0.009	-0.137	-0.153
3	20:17:51	74.087%	-0.231	-0.045	75.001%	-0.001	-0.007	-0.028	-0.146
X		73.463%	-0.153	-0.064	74.280%	0.005	-0.002	-0.051	-0.113
σ		1.089%	0.069	0.016	0.947%	0.008	0.009	0.078	0.063
%RSD		1.482	45.300	25.210	1.275	142.200	622.600	153.900	55.630
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:16:28	75.635%	4.470	0.033	0.017	0.167	0.052	80.378%	81.883%
2	20:17:10	77.980%	4.632	0.048	0.030	-0.034	0.097	82.657%	83.850%
3	20:17:51	78.625%	4.458	0.052	0.064	0.047	0.031	83.054%	84.676%
X		77.413%	4.520	0.044	0.037	0.060	0.060	82.030%	83.470%
σ		1.573%	0.097	0.010	0.024	0.101	0.034	1.444%	1.435%
%RSD		2.032	2.150	22.710	64.990	169.100	55.920	1.761	1.719
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	20:16:28	0.095	0.090	-0.000	0.035	0.019	81.052%		
2	20:17:10	0.047	0.045	0.017	0.004	0.017	84.172%		
3	20:17:51	0.061	0.076	0.013	0.008	0.015	84.301%		
X		0.068	0.070	0.010	0.015	0.017	83.175%		
σ		0.025	0.023	0.009	0.017	0.002	1.840%		
%RSD		36.930	32.720	89.010	110.200	12.810	2.212		

180-17167-A-12-A 12/29/2012 8:20:03 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:20:44	92.910%	0.003	16.700	12.890	0.000	2492.000	880.500	864.500
2	20:21:26	95.637%	0.035	13.500	14.330	0.000	2520.000	868.600	870.900
3	20:22:08	96.826%	0.002	15.590	13.220	0.000	2510.000	870.000	878.700
X		95.124%	0.013	15.270	13.480	0.000	2507.000	873.000	871.300
σ		2.008%	0.019	1.623	0.757	0.000	14.000	6.505	7.112
%RSD		2.111	143.400	10.630	5.613	0.000	0.559	0.745	0.816
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:20:44	343.100	2551.000	0.000	2843.000	12160.000	11580.000	70.391%	9.348
2	20:21:26	342.100	2550.000	0.000	2879.000	11600.000	11690.000	70.940%	8.175
3	20:22:08	349.100	2579.000	0.000	2925.000	11820.000	11910.000	70.920%	9.851
X		344.800	2560.000	0.000	2882.000	11860.000	11720.000	70.751%	9.124
σ		3.817	16.330	0.000	41.110	282.600	166.700	0.311%	0.860
%RSD		1.107	0.638	0.000	1.426	2.383	1.422	0.440	9.427
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:20:44	-1.732	2.101	116.800	6208.000	6181.000	0.198	0.565	2.853
2	20:21:26	-2.801	2.158	117.400	5146.000	6159.000	0.164	0.851	3.352
3	20:22:08	-2.318	2.007	118.700	5239.000	6318.000	0.176	0.915	3.625
X		-2.284	2.089	117.600	5531.000	6219.000	0.179	0.777	3.277
σ		0.535	0.076	0.963	588.000	86.510	0.017	0.186	0.392
%RSD		23.440	3.661	0.819	10.630	1.391	9.705	23.980	11.950
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:20:44	2.874	8.675	10.980	-0.333	-1.651	-0.132	0.000	90.930
2	20:21:26	3.510	9.314	11.100	1.286	-1.145	-1.105	0.000	91.220
3	20:22:08	2.954	10.130	11.020	1.375	-1.187	-1.096	0.000	91.440
X		3.113	9.372	11.030	0.776	-1.328	-0.778	0.000	91.200
σ		0.346	0.729	0.058	0.961	0.281	0.560	0.000	0.258
%RSD		11.130	7.777	0.526	123.900	21.150	71.950	0.000	0.283
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:20:44	71.820%	-0.079	-0.018	72.359%	-0.001	0.004	-0.129	-0.029
2	20:21:26	73.020%	0.093	0.148	73.320%	0.004	0.010	-0.139	-0.089
3	20:22:08	74.413%	0.115	-0.000	74.396%	-0.001	-0.002	-0.034	-0.085
X		73.084%	0.043	0.043	73.358%	0.000	0.004	-0.100	-0.068
σ		1.298%	0.107	0.091	1.019%	0.003	0.006	0.057	0.033
%RSD		1.776	248.100	211.800	1.389	768.100	136.600	57.230	49.120
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:20:44	76.090%	3.970	0.088	0.116	10.840	11.690	82.411%	82.969%
2	20:21:26	77.641%	4.360	0.123	0.092	10.740	10.890	84.872%	85.657%
3	20:22:08	79.869%	4.277	0.135	0.069	12.100	11.090	85.754%	86.816%
X		77.867%	4.203	0.115	0.092	11.230	11.220	84.345%	85.148%
σ		1.900%	0.206	0.025	0.024	0.759	0.417	1.732%	1.974%
%RSD		2.439	4.895	21.400	25.680	6.761	3.714	2.054	2.318
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	20:20:44	0.054	0.067	1.583	1.566	1.570	82.614%		
2	20:21:26	0.059	0.067	1.625	1.586	1.636	86.127%		
3	20:22:08	0.064	0.057	1.586	1.516	1.563	87.853%		
X		0.059	0.064	1.598	1.556	1.590	85.531%		
σ		0.005	0.006	0.023	0.036	0.040	2.670%		
%RSD		8.424	8.759	1.454	2.337	2.546	3.121		

180-17167-A-13-A 12/29/2012 8:24:19 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:25:01	91.016%	-0.031	52.920	51.630	0.000	67420.000	5304.000	5271.000
2	20:25:43	94.711%	0.002	53.220	51.320	0.000	66200.000	5277.000	5284.000
3	20:26:24	93.892%	0.036	55.390	50.700	0.000	66780.000	5323.000	5318.000
X		93.206%	0.002	53.840	51.220	0.000	66800.000	5301.000	5291.000
σ		1.941%	0.033	1.349	0.471	0.000	609.900	22.950	24.580
%RSD		2.082	1345.000	2.505	0.920	0.000	0.913	0.433	0.465
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:25:01	295.700	4995.000	0.000	4612.000	34130.000	34140.000	69.918%	12.820
2	20:25:43	298.200	4987.000	0.000	4676.000	33990.000	34480.000	70.195%	10.920
3	20:26:24	295.700	5008.000	0.000	4661.000	33930.000	34430.000	70.757%	10.610
X		296.600	4997.000	0.000	4650.000	34020.000	34350.000	70.290%	11.450
σ		1.454	11.020	0.000	33.230	100.600	182.100	0.428%	1.199
%RSD		0.490	0.221	0.000	0.715	0.296	0.530	0.608	10.470
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:25:01	-1.319	4.843	206.400	13210.000	13040.000	0.227	1.100	7.239
2	20:25:43	-2.063	5.082	208.900	13260.000	13320.000	0.262	1.403	6.727
3	20:26:24	-1.084	4.710	209.000	13120.000	13320.000	0.278	1.391	6.968
X		-1.488	4.878	208.100	13190.000	13230.000	0.256	1.298	6.978
σ		0.511	0.188	1.468	69.890	163.900	0.026	0.172	0.256
%RSD		34.340	3.858	0.705	0.530	1.239	10.120	13.240	3.673
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:25:01	7.610	34.230	34.740	2.090	-0.676	-1.011	0.000	183.900
2	20:25:43	6.579	34.800	36.740	0.413	-0.595	-1.934	0.000	185.500
3	20:26:24	6.820	35.950	36.420	0.041	-1.290	-2.713	0.000	186.100
X		7.003	34.990	35.970	0.848	-0.854	-1.886	0.000	185.200
σ		0.539	0.875	1.076	1.092	0.380	0.852	0.000	1.155
%RSD		7.696	2.499	2.993	128.800	44.530	45.160	0.000	0.623
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:25:01	71.572%	0.258	0.538	69.866%	0.010	0.022	0.150	0.079
2	20:25:43	73.016%	0.526	0.717	71.929%	0.025	0.027	0.208	0.303
3	20:26:24	73.423%	0.419	0.622	72.213%	0.004	0.021	-0.053	-0.029
X		72.670%	0.401	0.626	71.336%	0.013	0.023	0.102	0.118
σ		0.972%	0.135	0.089	1.281%	0.011	0.003	0.137	0.169
%RSD		1.338	33.600	14.270	1.796	84.210	13.210	135.000	143.900
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:25:01	74.167%	4.579	0.159	0.214	14.810	14.890	80.216%	81.243%
2	20:25:43	76.503%	4.975	0.158	0.220	14.950	14.720	84.004%	84.395%
3	20:26:24	76.829%	4.768	0.212	0.206	15.340	14.690	83.840%	85.705%
X		75.833%	4.774	0.176	0.213	15.040	14.770	82.687%	83.781%
σ		1.452%	0.198	0.031	0.007	0.276	0.110	2.141%	2.294%
%RSD		1.914	4.154	17.610	3.496	1.838	0.746	2.589	2.738
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	20:25:01	0.069	0.077	1.671	1.698	1.650	80.051%		
2	20:25:43	0.059	0.061	1.728	1.699	1.775	82.828%		
3	20:26:24	0.075	0.050	1.796	1.602	1.728	84.820%		
X		0.068	0.063	1.732	1.666	1.717	82.566%		
σ		0.008	0.014	0.062	0.056	0.063	2.395%		
%RSD		11.730	21.640	3.592	3.352	3.683	2.901		

CCV 664806 12/29/2012 8:31:30 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	20:32:11	77.951%	107.000	100.000	103.100	0.000	50860.000	44490.000	44750.000
2	20:32:53	79.404%	109.200	105.400	102.400	0.000	50470.000	44870.000	45060.000
3	20:33:35	78.849%	108.900	109.900	104.700	0.000	50820.000	45220.000	45630.000
x		78.735%	108.387%	105.103%	103.383%	0.000	101.433%	89.716%	90.289%
σ		0.733%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		0.931	1.105	4.729	1.166	0.000	0.421	0.822	0.987
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:32:11	496.600	5241.000	0.000	52180.000	51170.000	51010.000	72.918%	108.000
2	20:32:53	500.100	5264.000	0.000	51670.000	52250.000	51690.000	74.460%	105.100
3	20:33:35	506.000	5308.000	0.000	51550.000	51950.000	52020.000	75.622%	104.500
x		100.179%	105.416%	0.000	103.596%	103.583%	103.149%	74.333%	105.855%
σ		n/a	n/a	0.000	n/a	n/a	n/a	1.356%	n/a
%RSD		0.954	0.648	0.000	0.644	1.077	0.996	1.824	1.789
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:32:11	102.900	103.400	510.200	26080.000	25490.000	104.400	102.900	106.100
2	20:32:53	105.300	103.800	515.200	25690.000	25930.000	105.200	107.600	106.100
3	20:33:35	103.700	105.000	512.900	25630.000	25900.000	106.500	108.300	106.600
x		103.972%	104.076%	102.553%	103.193%	103.099%	105.364%	106.286%	106.250%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		1.173	0.768	0.493	0.947	0.944	1.020	2.778	0.252
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:32:11	104.800	100.900	106.600	100.800	94.800	97.780	0.000	92.400
2	20:32:53	106.100	102.600	102.400	101.300	100.300	99.630	0.000	91.840
3	20:33:35	103.000	103.000	102.900	100.700	98.340	98.080	0.000	92.480
x		104.626%	102.160%	103.946%	100.936%	97.807%	98.495%	0.000	92.240%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		1.471	1.109	2.201	0.326	2.838	1.010	0.000	0.377
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:32:11	83.034%	95.840	96.090	79.830%	96.910	96.700	96.460	96.670
2	20:32:53	86.284%	97.710	97.820	82.495%	98.510	97.520	97.280	97.950
3	20:33:35	87.890%	98.530	98.920	83.471%	97.870	98.220	98.600	98.190
x		85.736%	97.358%	97.613%	81.932%	97.764%	97.481%	97.449%	97.602%
σ		2.474%	n/a	n/a	1.884%	n/a	n/a	n/a	n/a
%RSD		2.886	1.413	1.461	2.300	0.828	0.781	1.106	0.837
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:32:11	81.490%	97.670	97.470	97.100	97.780	95.780	86.983%	87.515%
2	20:32:53	84.599%	100.400	97.880	97.780	93.110	96.040	90.139%	90.728%
3	20:33:35	85.925%	97.840	97.540	98.780	97.340	96.050	91.795%	91.735%
x		84.004%	98.636%	97.631%	97.887%	96.077%	95.956%	89.639%	89.993%
σ		2.277%	n/a	n/a	n/a	n/a	n/a	2.444%	2.204%
%RSD		2.710	1.547	0.225	0.862	2.681	0.163	2.727	2.449
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	20:32:11	100.900	100.600	101.800	103.000	101.900	82.340%		
2	20:32:53	101.900	101.300	102.300	102.400	102.600	85.883%		
3	20:33:35	101.400	100.800	101.400	101.600	101.100	87.821%		
x		101.403%	100.921%	101.829%	102.330%	101.904%	85.348%		
σ		n/a	n/a	n/a	n/a	n/a	2.779%		
%RSD		0.463	0.371	0.422	0.693	0.723	3.256		

CCB5 12/29/2012 8:38:43 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:39:24	90.034%	0.003	1.801	2.196	0.000	-48.330	12.240	13.060
2	20:40:06	91.374%	0.036	1.518	1.580	0.000	-45.860	15.250	16.650
3	20:40:48	93.560%	0.035	2.293	1.807	0.000	-55.260	13.040	12.850
X		91.656%	0.025	1.871	1.861	0.000	-49.820	13.510	14.190
σ		1.780%	0.019	0.392	0.311	0.000	4.875	1.559	2.135
%RSD		1.942	75.200	20.960	16.740	0.000	9.787	11.540	15.050
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:39:24	-2.528	4.531	0.000	6.005	60.440	41.610	84.905%	0.035
2	20:40:06	-2.259	4.982	0.000	6.416	64.940	43.220	85.876%	0.215
3	20:40:48	-2.718	4.419	0.000	0.438	38.490	38.420	86.511%	0.093
X		-2.502	4.644	0.000	4.287	54.620	41.080	85.764%	0.114
σ		0.230	0.298	0.000	3.339	14.160	2.439	0.809%	0.092
%RSD		9.210	6.415	0.000	77.890	25.910	5.937	0.943	80.490
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:39:24	-0.022	0.075	0.270	19.360	28.340	0.055	0.230	0.485
2	20:40:06	0.155	-0.031	0.267	16.730	27.520	0.017	0.108	0.537
3	20:40:48	0.017	0.045	0.200	12.290	19.230	0.001	0.048	0.598
X		0.050	0.030	0.246	16.130	25.030	0.024	0.129	0.540
σ		0.093	0.054	0.040	3.573	5.044	0.028	0.093	0.056
%RSD		185.300	184.100	16.160	22.160	20.150	114.200	72.300	10.450
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:39:24	0.479	0.524	0.568	0.127	-0.591	0.513	0.000	0.349
2	20:40:06	0.213	0.206	0.562	0.175	-0.151	0.035	0.000	0.418
3	20:40:48	0.528	0.378	0.491	-0.141	0.160	-0.705	0.000	0.280
X		0.407	0.369	0.540	0.054	-0.194	-0.052	0.000	0.349
σ		0.169	0.159	0.043	0.170	0.377	0.614	0.000	0.069
%RSD		41.660	43.200	7.888	317.200	194.800	1174.000	0.000	19.750
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:39:24	86.487%	0.201	0.303	87.473%	0.024	0.031	-0.049	-0.064
2	20:40:06	86.608%	0.149	0.245	88.618%	0.037	0.040	0.028	-0.024
3	20:40:48	87.180%	0.097	0.145	89.257%	0.041	0.054	-0.082	-0.049
X		86.758%	0.149	0.231	88.449%	0.034	0.042	-0.034	-0.045
σ		0.370%	0.052	0.080	0.904%	0.009	0.011	0.057	0.020
%RSD		0.426	35.050	34.610	1.022	25.500	27.280	166.600	44.670
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:39:24	87.270%	0.686	0.031	0.017	0.083	0.111	89.934%	89.871%
2	20:40:06	87.899%	1.276	0.064	0.048	-0.018	0.124	91.263%	90.824%
3	20:40:48	89.011%	1.338	0.049	0.029	0.031	0.123	90.517%	91.744%
X		88.060%	1.100	0.048	0.031	0.032	0.119	90.571%	90.813%
σ		0.882%	0.360	0.017	0.015	0.050	0.007	0.666%	0.936%
%RSD		1.001	32.720	34.780	49.530	160.000	6.007	0.736	1.031
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	20:39:24	0.124	0.100	0.027	0.047	0.048	91.126%		
2	20:40:06	0.078	0.071	0.026	0.046	0.040	92.587%		
3	20:40:48	0.094	0.090	0.023	0.060	0.046	93.328%		
X		0.099	0.087	0.025	0.051	0.045	92.347%		
σ		0.023	0.015	0.002	0.008	0.004	1.121%		
%RSD		23.480	17.030	9.473	15.550	9.022	1.214		

180-17167-A-14-A 12/29/2012 8:43:01 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:43:42	92.838%	0.003	99.880	93.390	0.000	269200.000	8374.000	8366.000
2	20:44:24	95.625%	0.002	97.310	93.370	0.000	264100.000	8322.000	8346.000
3	20:45:06	96.272%	0.002	95.510	94.590	0.000	263100.000	8385.000	8379.000
X		94.912%	0.002	97.570	93.780	0.000	265400.000	8360.000	8364.000
σ		1.825%	0.001	2.196	0.698	0.000	3250.000	33.700	16.770
%RSD		1.922	28.060	2.251	0.744	0.000	1.224	0.403	0.201
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:43:42	17.750	8776.000	0.000	14870.000	49750.000	50210.000	72.544%	6.069
2	20:44:24	17.910	8712.000	0.000	14700.000	50170.000	50420.000	73.290%	6.639
3	20:45:06	17.420	8766.000	0.000	14720.000	51180.000	51160.000	73.507%	7.886
X		17.700	8752.000	0.000	14770.000	50370.000	50600.000	73.114%	6.865
σ		0.252	34.600	0.000	93.710	736.300	495.300	0.505%	0.929
%RSD		1.421	0.395	0.000	0.635	1.462	0.979	0.691	13.540
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:43:42	-0.970	1.208	803.400	48260.000	47940.000	0.346	1.930	2.414
2	20:44:24	-0.983	1.459	807.500	47460.000	48490.000	0.269	2.193	2.060
3	20:45:06	-0.817	1.458	816.700	47550.000	49040.000	0.302	1.843	2.458
X		-0.923	1.375	809.200	47760.000	48490.000	0.306	1.989	2.311
σ		0.093	0.145	6.791	438.200	549.700	0.039	0.182	0.218
%RSD		10.030	10.540	0.839	0.918	1.134	12.620	9.166	9.433
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:43:42	1.641	5.946	5.817	13.100	-0.744	0.284	0.000	520.600
2	20:44:24	1.957	5.749	6.292	15.250	-0.822	-0.040	0.000	522.900
3	20:45:06	1.429	6.420	6.883	14.050	-1.902	-0.826	0.000	524.900
X		1.675	6.038	6.331	14.130	-1.156	-0.194	0.000	522.800
σ		0.266	0.345	0.534	1.082	0.648	0.571	0.000	2.155
%RSD		15.860	5.709	8.437	7.653	56.030	294.300	0.000	0.412
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:43:42	72.578%	0.448	0.255	70.159%	0.015	0.010	-0.054	-0.233
2	20:44:24	74.624%	0.223	0.267	72.059%	0.009	0.015	0.006	-0.080
3	20:45:06	75.682%	0.243	0.214	73.204%	0.004	-0.001	-0.182	-0.095
X		74.295%	0.305	0.245	71.807%	0.009	0.008	-0.077	-0.136
σ		1.578%	0.124	0.028	1.538%	0.006	0.009	0.096	0.084
%RSD		2.124	40.840	11.300	2.142	60.120	107.300	125.400	62.090
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:43:42	74.473%	7.431	0.495	0.495	114.900	113.800	81.494%	82.627%
2	20:44:24	76.886%	6.343	0.446	0.548	116.500	115.100	84.297%	85.701%
3	20:45:06	78.562%	5.286	0.522	0.405	115.400	114.000	86.088%	87.574%
X		76.640%	6.354	0.488	0.483	115.600	114.300	83.960%	85.301%
σ		2.055%	1.073	0.038	0.072	0.834	0.720	2.315%	2.498%
%RSD		2.682	16.880	7.846	14.910	0.722	0.630	2.758	2.928
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	20:43:42	0.092	0.070	0.215	0.143	0.216	78.119%		
2	20:44:24	0.060	0.067	0.233	0.240	0.217	81.958%		
3	20:45:06	0.036	0.071	0.233	0.181	0.213	85.608%		
X		0.063	0.070	0.227	0.188	0.215	81.895%		
σ		0.028	0.002	0.011	0.049	0.002	3.745%		
%RSD		44.720	2.722	4.712	26.170	0.915	4.573		

180-17167-A-15-A 12/29/2012 8:47:18 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	20:48:01	95.979%	-0.031	42.710	44.920	0.000	22050.000	24140.000	24170.000
2	20:48:43	97.658%	-0.031	40.950	41.840	0.000	21910.000	23940.000	24100.000
3	20:49:25	97.958%	0.001	44.090	45.460	0.000	21810.000	24170.000	24110.000
X		97.198%	-0.020	42.590	44.070	0.000	21920.000	24080.000	24130.000
σ		1.067%	0.018	1.574	1.950	0.000	121.500	122.100	38.390
%RSD		1.097	91.600	3.695	4.424	0.000	0.554	0.507	0.159
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:48:01	66.960	6896.000	0.000	1449.000	41200.000	40460.000	73.431%	4.363
2	20:48:43	68.390	6839.000	0.000	1448.000	40770.000	40610.000	74.114%	4.109
3	20:49:25	67.160	6839.000	0.000	1449.000	41060.000	40930.000	74.055%	3.551
X		67.500	6858.000	0.000	1449.000	41010.000	40670.000	73.867%	4.008
σ		0.774	33.260	0.000	0.696	215.600	238.000	0.378%	0.416
%RSD		1.147	0.485	0.000	0.048	0.526	0.585	0.512	10.370
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:48:01	-3.436	0.382	1210.000	41420.000	42220.000	0.784	1.590	2.114
2	20:48:43	-2.920	0.466	1214.000	40830.000	42360.000	0.812	1.521	2.099
3	20:49:25	-3.429	0.513	1219.000	40750.000	42330.000	0.788	1.058	2.409
X		-3.262	0.454	1214.000	41000.000	42310.000	0.795	1.390	2.207
σ		0.296	0.066	4.060	363.400	73.320	0.015	0.290	0.175
%RSD		9.069	14.650	0.334	0.886	0.173	1.908	20.840	7.935
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:48:01	2.315	9.040	8.949	8.919	-0.459	0.403	0.000	344.500
2	20:48:43	2.000	9.802	8.066	11.270	-1.557	-1.237	0.000	342.400
3	20:49:25	2.126	8.339	8.492	11.730	-1.068	0.557	0.000	341.900
X		2.147	9.060	8.502	10.640	-1.028	-0.092	0.000	342.900
σ		0.159	0.732	0.442	1.507	0.550	0.994	0.000	1.417
%RSD		7.388	8.078	5.192	14.160	53.530	1078.000	0.000	0.413
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:48:01	75.473%	0.619	0.688	75.876%	-0.006	-0.002	-0.066	-0.094
2	20:48:43	77.295%	0.490	0.527	76.836%	-0.002	0.009	-0.087	-0.147
3	20:49:25	78.139%	0.717	0.647	77.347%	-0.002	-0.002	-0.094	-0.178
X		76.969%	0.609	0.621	76.686%	-0.003	0.002	-0.082	-0.140
σ		1.362%	0.114	0.084	0.747%	0.003	0.006	0.014	0.043
%RSD		1.770	18.730	13.500	0.974	88.020	334.800	17.200	30.560
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:48:01	79.855%	4.131	0.104	0.096	36.410	34.930	86.455%	88.437%
2	20:48:43	81.584%	3.780	0.049	0.132	35.050	36.220	89.150%	89.284%
3	20:49:25	82.065%	3.997	0.136	0.131	36.360	36.400	89.301%	91.456%
X		81.168%	3.970	0.096	0.120	35.940	35.850	88.302%	89.726%
σ		1.162%	0.177	0.044	0.021	0.771	0.804	1.602%	1.557%
%RSD		1.432	4.462	45.400	17.480	2.145	2.242	1.814	1.735
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	20:48:01	0.033	0.036	0.270	0.239	0.267	86.243%		
2	20:48:43	0.051	0.051	0.243	0.292	0.268	89.470%		
3	20:49:25	0.030	0.042	0.248	0.248	0.274	91.262%		
X		0.038	0.043	0.254	0.260	0.270	88.992%		
σ		0.011	0.008	0.015	0.028	0.004	2.543%		
%RSD		29.380	17.650	5.740	10.890	1.498	2.858		

180-17167-A-16-A 12/29/2012 8:51:37 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	20:52:18	105.996%	-0.031	234.000	226.000	0.000	105700.000	62790.000	63380.000
2	20:53:00	109.362%	-0.031	243.300	225.900	0.000	105300.000	62530.000	63170.000
3	20:53:42	111.898%	-0.003	237.900	227.700	0.000	104900.000	62670.000	63120.000
X		109.085%	-0.021	238.400	226.500	0.000	105300.000	62660.000	63220.000
σ		2.961%	0.016	4.641	0.998	0.000	404.000	129.200	137.200
%RSD		2.714	75.320	1.947	0.441	0.000	0.384	0.206	0.217
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:52:18	-13.900	6479.000	0.000	11450.000	105000.000	106600.000	80.327%	1.205
2	20:53:00	-0.080	6509.000	0.000	11370.000	105800.000	107000.000	82.996%	0.601
3	20:53:42	-0.314	6522.000	0.000	11430.000	107800.000	107900.000	83.928%	0.903
X		-4.764	6503.000	0.000	11420.000	106200.000	107200.000	82.417%	0.903
σ		7.912	22.430	0.000	45.620	1427.000	675.200	1.869%	0.302
%RSD		166.100	0.345	0.000	0.400	1.344	0.630	2.268	33.460
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:52:18	-7.395	1.779	707.300	48.100	176.400	6.589	6.971	4.398
2	20:53:00	-9.264	1.857	709.600	34.510	173.300	6.805	7.284	4.067
3	20:53:42	-8.768	2.163	718.300	32.710	159.800	6.596	8.424	3.958
X		-8.476	1.933	711.800	38.440	169.800	6.663	7.559	4.141
σ		0.968	0.203	5.810	8.415	8.829	0.123	0.765	0.229
%RSD		11.420	10.520	0.816	21.890	5.200	1.845	10.120	5.535
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:52:18	3.250	8.522	9.876	-2.267	-0.599	0.417	0.000	697.200
2	20:53:00	3.731	9.074	9.893	0.919	-0.693	-1.185	0.000	706.400
3	20:53:42	4.119	9.951	9.886	-1.120	-0.848	-1.372	0.000	707.800
X		3.700	9.183	9.885	-0.823	-0.714	-0.713	0.000	703.800
σ		0.435	0.721	0.009	1.614	0.126	0.983	0.000	5.722
%RSD		11.760	7.850	0.086	196.200	17.620	137.800	0.000	0.813
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:52:18	80.869%	0.963	0.929	78.094%	0.013	-0.002	0.053	-0.004
2	20:53:00	82.923%	0.822	0.812	80.671%	0.026	0.008	0.009	0.082
3	20:53:42	83.866%	0.861	0.624	81.598%	0.003	-0.002	0.239	0.138
X		82.552%	0.882	0.789	80.121%	0.014	0.001	0.100	0.072
σ		1.533%	0.073	0.154	1.816%	0.012	0.006	0.122	0.071
%RSD		1.856	8.229	19.500	2.266	84.440	402.600	121.800	99.320
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:52:18	81.779%	4.805	0.049	0.053	169.500	169.200	88.588%	89.857%
2	20:53:00	84.951%	4.758	0.071	0.043	170.800	167.400	92.082%	94.313%
3	20:53:42	87.166%	4.717	0.055	0.035	162.700	167.600	93.823%	95.076%
X		84.632%	4.760	0.058	0.044	167.700	168.100	91.498%	93.082%
σ		2.707%	0.044	0.012	0.009	4.381	0.973	2.666%	2.819%
%RSD		3.199	0.922	19.700	20.050	2.612	0.579	2.914	3.029
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	20:52:18	0.117	0.082	0.035	0.045	0.058	84.047%		
2	20:53:00	0.103	0.077	0.061	0.082	0.065	87.209%		
3	20:53:42	0.094	0.090	0.031	0.060	0.052	89.554%		
X		0.105	0.083	0.042	0.062	0.059	86.937%		
σ		0.011	0.007	0.016	0.019	0.006	2.764%		
%RSD		10.720	8.171	37.710	30.040	10.640	3.179		

180-17167-A-17-A 12/29/2012 8:55:55 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:56:36	95.076%	-0.031	214.000	203.000	0.000	100200.000	53070.000	58980.000
2	20:57:18	96.151%	-0.031	212.800	207.100	0.000	99160.000	53110.000	53470.000
3	20:57:59	97.366%	0.065	208.900	200.400	0.000	98890.000	53060.000	53480.000
X		96.198%	0.001	211.900	203.500	0.000	99410.000	53080.000	55310.000
σ		1.146%	0.055	2.685	3.370	0.000	679.900	24.920	3181.000
%RSD		1.191	4165.000	1.267	1.656	0.000	0.684	0.047	5.752
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:56:36	-2.144	6564.000	0.000	7954.000	96840.000	97810.000	73.694%	3.785
2	20:57:18	-2.295	6568.000	0.000	7113.000	98090.000	99020.000	74.167%	1.800
3	20:57:59	-2.321	6531.000	0.000	7121.000	98930.000	99440.000	74.085%	1.591
X		-2.254	6554.000	0.000	7396.000	97950.000	98760.000	73.982%	2.392
σ		0.096	20.220	0.000	483.100	1055.000	849.700	0.253%	1.211
%RSD		4.243	0.309	0.000	6.532	1.077	0.860	0.341	50.620
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:56:36	-3.854	0.637	2891.000	20810.000	21570.000	0.382	3.417	2.270
2	20:57:18	-3.859	0.661	2906.000	20560.000	21680.000	0.298	3.330	2.695
3	20:57:59	-5.343	0.465	2910.000	20550.000	21730.000	0.411	3.521	2.344
X		-4.352	0.587	2902.000	20640.000	21660.000	0.364	3.423	2.437
σ		0.858	0.107	9.994	147.800	80.810	0.058	0.096	0.227
%RSD		19.720	18.220	0.344	0.716	0.373	16.060	2.800	9.321
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:56:36	2.082	6.510	8.247	5.432	-0.975	0.819	0.000	638.000
2	20:57:18	2.295	6.242	7.938	2.214	-1.045	-0.871	0.000	637.400
3	20:57:59	2.196	6.270	7.024	3.074	-1.573	-0.096	0.000	635.500
X		2.191	6.341	7.736	3.573	-1.198	-0.049	0.000	637.000
σ		0.107	0.147	0.636	1.666	0.327	0.846	0.000	1.292
%RSD		4.876	2.322	8.219	46.630	27.290	1712.000	0.000	0.203
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:56:36	75.171%	-0.145	0.001	73.632%	0.014	-0.002	0.018	-0.035
2	20:57:18	77.325%	0.005	-0.110	75.301%	0.003	-0.002	0.012	-0.004
3	20:57:59	77.987%	0.017	-0.043	75.697%	0.013	-0.002	-0.083	-0.133
X		76.828%	-0.041	-0.051	74.876%	0.010	-0.002	-0.018	-0.058
σ		1.472%	0.090	0.056	1.096%	0.006	0.000	0.056	0.068
%RSD		1.916	220.300	109.800	1.463	57.030	4.423	319.500	117.400
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:56:36	80.269%	3.659	0.119	0.055	296.000	299.000	86.701%	88.243%
2	20:57:18	81.217%	3.886	0.107	0.127	304.200	301.600	88.095%	90.136%
3	20:57:59	82.345%	3.600	0.074	0.078	300.900	297.100	90.542%	91.644%
X		81.277%	3.715	0.100	0.086	300.400	299.300	88.446%	90.008%
σ		1.039%	0.151	0.023	0.037	4.123	2.261	1.944%	1.704%
%RSD		1.278	4.075	23.100	42.380	1.373	0.755	2.198	1.893
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	20:56:36	0.026	0.031	4.491	4.151	4.397	83.492%		
2	20:57:18	0.013	0.028	4.603	4.483	4.491	86.895%		
3	20:57:59	0.009	0.016	4.481	4.440	4.542	87.800%		
X		0.016	0.025	4.525	4.358	4.477	86.062%		
σ		0.009	0.008	0.068	0.181	0.074	2.271%		
%RSD		54.800	32.330	1.500	4.150	1.651	2.639		

180-17167-A-18-A 12/29/2012 9:00:11 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:00:52	94.723%	0.002	187.900	162.600	0.000	90600.000	71050.000	71690.000
2	21:01:34	96.603%	0.034	176.100	167.800	0.000	89450.000	70120.000	70770.000
3	21:02:15	96.410%	0.002	177.600	167.800	0.000	89660.000	70270.000	70980.000
X		95.912%	0.012	180.500	166.000	0.000	89910.000	70480.000	71150.000
σ		1.034%	0.018	6.418	2.997	0.000	612.900	497.200	483.500
%RSD		1.079	148.000	3.555	1.805	0.000	0.682	0.706	0.679
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:00:52	250.400	9808.000	0.000	12680.000	118400.000	119500.000	74.963%	11.680
2	21:01:34	255.600	9798.000	0.000	12510.000	119000.000	119300.000	76.219%	11.080
3	21:02:15	254.200	9865.000	0.000	12560.000	118500.000	120200.000	76.503%	12.120
X		253.400	9824.000	0.000	12580.000	118600.000	119600.000	75.895%	11.630
σ		2.691	36.090	0.000	88.140	345.900	503.300	0.820%	0.526
%RSD		1.062	0.367	0.000	0.700	0.292	0.421	1.080	4.523
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:00:52	-3.035	1.786	627.800	29340.000	30220.000	0.900	4.376	6.082
2	21:01:34	-2.377	1.988	630.100	29020.000	30240.000	0.837	5.085	5.897
3	21:02:15	-3.429	2.058	633.700	29060.000	30390.000	0.938	4.811	5.969
X		-2.947	1.944	630.500	29140.000	30280.000	0.892	4.757	5.983
σ		0.532	0.141	2.961	176.300	93.650	0.051	0.358	0.093
%RSD		18.040	7.266	0.470	0.605	0.309	5.715	7.516	1.558
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:00:52	5.717	32.420	34.950	7.245	-0.515	-0.228	0.000	775.100
2	21:01:34	6.380	33.880	33.260	5.162	-1.462	-2.949	0.000	781.800
3	21:02:15	6.556	33.030	35.730	6.727	-2.472	-0.904	0.000	787.900
X		6.218	33.110	34.650	6.378	-1.483	-1.360	0.000	781.600
σ		0.442	0.736	1.260	1.084	0.979	1.417	0.000	6.430
%RSD		7.112	2.224	3.638	17.000	65.990	104.200	0.000	0.823
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:00:52	76.519%	0.548	0.599	74.557%	0.009	0.036	0.089	0.068
2	21:01:34	77.866%	0.684	0.957	76.247%	0.013	0.014	0.193	0.179
3	21:02:15	77.585%	0.672	0.838	76.283%	0.023	0.019	0.224	0.215
X		77.323%	0.634	0.798	75.696%	0.015	0.023	0.169	0.154
σ		0.710%	0.075	0.182	0.986%	0.007	0.012	0.070	0.077
%RSD		0.919	11.890	22.850	1.303	48.940	49.920	41.810	49.860
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:00:52	78.968%	3.913	0.248	0.212	236.600	239.000	87.123%	88.199%
2	21:01:34	81.464%	4.755	0.230	0.198	236.200	241.500	89.317%	90.671%
3	21:02:15	81.692%	4.450	0.213	0.244	239.900	242.900	89.805%	90.492%
X		80.708%	4.373	0.230	0.218	237.600	241.100	88.748%	89.787%
σ		1.511%	0.426	0.017	0.023	2.030	1.991	1.429%	1.379%
%RSD		1.872	9.746	7.506	10.650	0.855	0.826	1.610	1.535
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	21:00:52	0.023	0.030	4.413	4.614	4.451	82.937%		
2	21:01:34	0.042	0.027	4.609	4.535	4.528	85.763%		
3	21:02:15	0.018	0.030	4.339	4.460	4.362	87.202%		
X		0.028	0.029	4.454	4.536	4.447	85.301%		
σ		0.013	0.002	0.139	0.077	0.083	2.170%		
%RSD		45.250	5.562	3.130	1.707	1.868	2.544		

180-17167-A-19-A 12/29/2012 9:04:25 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	21:05:06	103.597%	-0.001	142.100	135.900	0.000	124400.000	53580.000	59220.000
2	21:05:48	109.055%	0.027	147.100	138.300	0.000	123300.000	58800.000	59170.000
3	21:06:30	110.700%	-0.002	149.900	138.100	0.000	123100.000	53900.000	59010.000
X		107.784%	0.008	146.400	137.400	0.000	123600.000	55430.000	59140.000
σ		3.718%	0.016	3.944	1.347	0.000	717.500	2925.000	108.500
%RSD		3.450	208.700	2.695	0.980	0.000	0.581	5.277	0.184
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:05:06	181.400	7096.000	0.000	12150.000	122900.000	124600.000	81.099%	8.108
2	21:05:48	180.100	7152.000	0.000	12190.000	127200.000	127300.000	82.244%	9.122
3	21:06:30	180.300	7106.000	0.000	12170.000	124000.000	127000.000	83.063%	7.158
X		180.600	7118.000	0.000	12170.000	124700.000	126300.000	82.135%	8.129
σ		0.734	30.010	0.000	18.430	2259.000	1499.000	0.986%	0.982
%RSD		0.406	0.422	0.000	0.151	1.811	1.187	1.201	12.080
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:05:06	-6.111	3.192	102.900	509.300	772.600	1.014	3.979	2.319
2	21:05:48	-7.339	3.281	105.700	502.300	776.000	0.950	3.550	2.564
3	21:06:30	-7.875	3.482	105.000	502.500	767.400	1.070	3.596	2.736
X		-7.108	3.318	104.500	504.700	772.000	1.012	3.708	2.540
σ		0.904	0.149	1.462	4.016	4.346	0.060	0.236	0.210
%RSD		12.720	4.478	1.399	0.796	0.563	5.935	6.351	8.248
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:05:06	2.113	6.009	7.014	-0.590	-0.509	-1.325	0.000	663.300
2	21:05:48	2.393	5.632	5.648	0.309	-0.843	0.373	0.000	663.700
3	21:06:30	2.348	5.234	6.500	1.303	-1.218	0.320	0.000	667.500
X		2.285	5.625	6.387	0.341	-0.857	-0.210	0.000	664.800
σ		0.150	0.388	0.690	0.947	0.355	0.965	0.000	2.340
%RSD		6.568	6.890	10.800	278.100	41.410	458.800	0.000	0.352
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:05:06	81.544%	0.178	0.229	78.217%	0.003	0.003	0.017	-0.015
2	21:05:48	84.242%	0.099	0.319	80.268%	0.008	0.013	0.068	0.052
3	21:06:30	84.913%	0.069	0.177	81.213%	-0.006	0.018	0.129	0.040
X		83.566%	0.115	0.242	79.899%	0.001	0.011	0.071	0.026
σ		1.783%	0.057	0.072	1.532%	0.007	0.007	0.056	0.036
%RSD		2.134	49.040	29.670	1.917	509.300	64.970	78.700	139.400
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:05:06	83.184%	3.233	0.048	0.077	117.800	116.900	90.770%	91.401%
2	21:05:48	87.217%	2.988	0.069	0.035	120.400	119.200	92.782%	94.512%
3	21:06:30	86.021%	2.776	0.080	0.049	121.400	119.900	92.831%	95.745%
X		85.474%	2.999	0.066	0.054	119.900	118.700	92.127%	93.886%
σ		2.071%	0.229	0.016	0.021	1.871	1.562	1.176%	2.238%
%RSD		2.423	7.620	24.730	39.670	1.560	1.316	1.277	2.384
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	21:05:06	0.025	0.038	0.332	0.369	0.333	84.796%		
2	21:05:48	0.020	0.034	0.345	0.334	0.364	88.282%		
3	21:06:30	0.011	0.029	0.347	0.311	0.327	90.458%		
X		0.019	0.034	0.341	0.338	0.342	87.845%		
σ		0.007	0.005	0.008	0.030	0.020	2.856%		
%RSD		37.420	13.500	2.419	8.742	5.807	3.252		

MB 180-58565/1-A

12/29/2012 9:12:17 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:12:58	82.199%	-0.031	1.538	2.184	0.000	-76.680	-1.168	-0.610
2	21:13:40	82.252%	-0.031	2.613	1.889	0.000	-64.750	4.203	5.093
3	21:14:22	83.491%	-0.031	1.904	1.831	0.000	-58.880	8.093	8.372
X		82.647%	-0.031	2.018	1.968	0.000	-66.770	3.709	4.285
σ		0.731%	0.000	0.547	0.190	0.000	9.067	4.650	4.545
%RSD		0.885	0.000	27.090	9.630	0.000	13.580	125.400	106.100
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:12:58	-4.943	4.804	0.000	-13.540	2.945	-2.034	75.887%	-0.087
2	21:13:40	-4.691	3.328	0.000	-10.980	14.670	15.640	76.267%	-0.019
3	21:14:22	-3.661	4.639	0.000	-8.626	38.580	19.500	75.442%	-0.019
X		-4.432	4.257	0.000	-11.050	18.730	11.030	75.865%	-0.042
σ		0.679	0.809	0.000	2.459	18.160	11.480	0.413%	0.040
%RSD		15.320	19.000	0.000	22.250	96.950	104.000	0.545	94.740
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:12:58	0.107	-0.039	-0.012	3.327	3.280	-0.015	0.017	0.573
2	21:13:40	0.047	0.060	0.010	3.903	3.664	-0.033	0.039	0.491
3	21:14:22	-0.137	-0.038	0.059	4.405	6.202	-0.003	-0.006	0.636
X		0.006	-0.006	0.019	3.878	4.382	-0.017	0.016	0.566
σ		0.127	0.057	0.036	0.539	1.587	0.015	0.023	0.073
%RSD		2256.000	1011.000	189.400	13.910	36.230	89.270	137.400	12.840
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:12:58	0.940	0.627	0.301	-1.076	-1.542	-2.750	0.000	-0.024
2	21:13:40	0.436	0.395	0.405	-0.673	-1.302	-2.006	0.000	0.104
3	21:14:22	0.550	0.597	0.225	0.006	-1.951	0.085	0.000	0.206
X		0.642	0.539	0.310	-0.581	-1.598	-1.557	0.000	0.095
σ		0.264	0.126	0.090	0.547	0.328	1.469	0.000	0.115
%RSD		41.190	23.440	29.060	94.160	20.540	94.370	0.000	121.000
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:12:58	76.104%	-0.234	-0.207	77.748%	-0.006	-0.007	0.059	0.019
2	21:13:40	76.589%	-0.235	-0.250	78.385%	0.003	-0.007	0.012	-0.041
3	21:14:22	77.292%	-0.208	-0.192	78.929%	0.008	0.003	0.061	-0.076
X		76.661%	-0.225	-0.216	78.354%	0.002	-0.003	0.044	-0.033
σ		0.598%	0.015	0.030	0.591%	0.007	0.006	0.028	0.048
%RSD		0.779	6.804	13.990	0.754	452.800	173.600	62.370	146.400
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:12:58	78.866%	1.797	-0.006	-0.026	-0.090	-0.049	81.007%	81.417%
2	21:13:40	79.300%	1.272	0.004	-0.012	-0.090	0.032	81.355%	83.198%
3	21:14:22	80.004%	1.259	-0.007	-0.026	-0.036	0.079	82.567%	83.488%
X		79.390%	1.443	-0.003	-0.021	-0.072	0.021	81.643%	82.701%
σ		0.574%	0.307	0.006	0.008	0.031	0.065	0.819%	1.121%
%RSD		0.723	21.290	202.700	37.270	43.570	313.700	1.003	1.356
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	21:12:58	0.006	0.014	-0.011	0.009	0.002	81.192%		
2	21:13:40	0.005	0.018	-0.012	-0.017	-0.009	82.703%		
3	21:14:22	0.005	0.010	-0.001	-0.000	0.003	83.424%		
X		0.005	0.014	-0.008	-0.003	-0.001	82.440%		
σ		0.000	0.004	0.006	0.013	0.006	1.139%		
%RSD		6.889	27.460	77.970	475.900	550.200	1.382		

LCS 180-58565/2-A

12/29/2012 9:16:32 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:17:14	80.823%	50.100	928.300	909.800	0.000	45800.000	40220.000	40270.000
2	21:17:55	82.144%	47.930	920.600	912.500	0.000	45410.000	40370.000	40730.000
3	21:18:37	83.637%	49.490	943.100	918.600	0.000	45330.000	40610.000	41010.000
X		82.201%	49.170	930.700	913.600	0.000	45510.000	40400.000	40670.000
σ		1.408%	1.117	11.400	4.520	0.000	252.800	200.100	372.200
%RSD		1.713	2.271	1.225	0.495	0.000	0.555	0.495	0.915
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:17:14	1789.000	9236.000	0.000	46880.000	47390.000	46400.000	75.729%	961.000
2	21:17:55	1816.000	9298.000	0.000	46570.000	48090.000	46930.000	77.391%	956.600
3	21:18:37	1821.000	9414.000	0.000	46380.000	47820.000	47600.000	78.141%	960.100
X		1809.000	9316.000	0.000	46610.000	47760.000	46970.000	77.087%	959.200
σ		16.950	90.110	0.000	250.200	355.300	600.700	1.235%	2.307
%RSD		0.937	0.967	0.000	0.537	0.744	1.279	1.602	0.241
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:17:14	486.000	192.400	475.200	802.600	1066.000	482.000	489.400	242.100
2	21:17:55	484.500	192.200	478.700	807.500	1066.000	487.400	489.300	245.100
3	21:18:37	492.600	196.700	484.900	817.000	1047.000	488.100	501.500	247.000
X		487.700	193.800	479.600	809.000	1060.000	485.900	493.400	244.700
σ		4.356	2.525	4.918	7.324	11.180	3.314	6.991	2.463
%RSD		0.893	1.303	1.025	0.905	1.055	0.682	1.417	1.006
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:17:14	243.700	471.900	480.800	37.520	10.810	8.496	0.000	948.100
2	21:17:55	243.900	480.300	486.800	37.060	8.640	6.816	0.000	943.300
3	21:18:37	245.700	483.800	491.500	35.880	9.831	8.670	0.000	956.800
X		244.400	478.700	486.300	36.820	9.761	7.994	0.000	949.400
σ		1.090	6.102	5.330	0.845	1.087	1.024	0.000	6.833
%RSD		0.446	1.275	1.096	2.294	11.140	12.810	0.000	0.720
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:17:14	76.273%	980.900	983.500	75.441%	47.900	48.020	46.540	39.280
2	21:17:55	79.695%	987.300	996.900	78.209%	48.890	48.530	49.170	41.500
3	21:18:37	79.805%	997.300	996.400	79.560%	49.230	47.830	47.390	40.400
X		78.591%	988.500	992.300	77.737%	48.670	48.130	47.700	40.390
σ		2.008%	8.254	7.568	2.100%	0.691	0.358	1.343	1.109
%RSD		2.555	0.835	0.763	2.701	1.419	0.744	2.816	2.745
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:17:14	78.704%	1947.000	467.200	467.100	1894.000	1910.000	83.993%	85.002%
2	21:17:55	80.603%	1981.000	483.900	481.100	1903.000	1916.000	87.780%	88.628%
3	21:18:37	82.763%	1964.000	479.200	479.800	1888.000	1908.000	88.849%	89.873%
X		80.690%	1964.000	476.800	476.000	1895.000	1911.000	86.874%	87.834%
σ		2.031%	17.440	8.629	7.715	7.630	4.360	2.552%	2.530%
%RSD		2.517	0.888	1.810	1.621	0.403	0.228	2.937	2.881
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	21:17:14	48.860	48.110	19.410	19.670	19.480	84.727%		
2	21:17:55	49.540	48.860	19.950	19.960	19.920	87.322%		
3	21:18:37	49.720	49.480	19.940	19.850	20.120	88.409%		
X		49.370	48.810	19.770	19.830	19.840	86.819%		
σ		0.453	0.688	0.309	0.144	0.324	1.892%		
%RSD		0.918	1.409	1.562	0.724	1.631	2.179		

180-17219-A-1-A

12/29/2012 9:20:48 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	21:21:29	83.091%	0.006	123.000	131.600	0.000	80720.000	42800.000	48620.000
2	21:22:11	85.017%	0.005	133.700	128.700	0.000	79770.000	42590.000	42880.000
3	21:22:53	84.361%	-0.031	130.500	131.400	0.000	80220.000	42680.000	43140.000
X		84.156%	-0.006	129.100	130.600	0.000	80240.000	42690.000	44880.000
σ		0.979%	0.021	5.512	1.661	0.000	476.800	105.800	3244.000
%RSD		1.164	328.100	4.270	1.272	0.000	0.594	0.248	7.227
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:21:29	25.790	4565.000	0.000	4926.000	66430.000	64970.000	78.262%	2.499
2	21:22:11	23.180	4552.000	0.000	4963.000	66570.000	65060.000	78.660%	1.496
3	21:22:53	24.110	4567.000	0.000	4954.000	65040.000	65050.000	78.931%	1.161
X		24.360	4561.000	0.000	4947.000	66010.000	65030.000	78.617%	1.718
σ		1.323	8.079	0.000	19.290	845.200	47.480	0.336%	0.696
%RSD		5.430	0.177	0.000	0.390	1.280	0.073	0.428	40.520
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:21:29	-0.025	1.798	336.600	52.500	160.700	0.471	1.594	1.377
2	21:22:11	0.093	1.686	334.800	52.120	152.200	0.434	2.380	1.047
3	21:22:53	-0.096	1.743	338.100	51.400	154.100	0.427	1.987	1.214
X		-0.009	1.742	336.500	52.010	155.700	0.444	1.987	1.213
σ		0.096	0.056	1.633	0.556	4.459	0.024	0.393	0.165
%RSD		1035.000	3.232	0.485	1.070	2.864	5.310	19.780	13.610
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:21:29	0.852	5.823	5.496	1.131	3.679	6.109	0.000	373.400
2	21:22:11	0.995	5.648	5.522	-0.193	3.351	3.766	0.000	376.700
3	21:22:53	1.092	5.263	6.340	-0.130	4.845	5.265	0.000	377.100
X		0.980	5.578	5.786	0.270	3.958	5.046	0.000	375.700
σ		0.121	0.287	0.480	0.747	0.785	1.187	0.000	2.043
%RSD		12.340	5.135	8.296	277.000	19.840	23.520	0.000	0.544
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:21:29	79.475%	6.188	6.266	77.726%	0.003	0.009	-0.020	-0.076
2	21:22:11	80.486%	2.817	3.098	78.870%	0.003	0.024	0.051	-0.058
3	21:22:53	81.571%	2.095	1.973	79.216%	0.018	0.003	-0.068	-0.060
X		80.510%	3.700	3.779	78.604%	0.008	0.012	-0.012	-0.065
σ		1.048%	2.185	2.226	0.780%	0.008	0.011	0.060	0.010
%RSD		1.302	59.050	58.900	0.992	103.000	89.190	486.800	15.760
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:21:29	80.623%	11.590	8.089	8.074	162.000	162.000	85.302%	86.833%
2	21:22:11	81.862%	6.962	5.247	5.191	163.200	161.700	87.610%	89.108%
3	21:22:53	82.485%	5.285	3.224	3.175	163.800	164.000	88.301%	89.762%
X		81.657%	7.945	5.520	5.480	163.000	162.600	87.071%	88.568%
σ		0.948%	3.265	2.444	2.463	0.939	1.226	1.571%	1.537%
%RSD		1.160	41.090	44.270	44.930	0.576	0.754	1.804	1.736
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	21:21:29	0.045	0.037	0.090	0.051	0.083	86.395%		
2	21:22:11	0.052	0.037	0.033	0.081	0.065	87.700%		
3	21:22:53	0.046	0.030	0.057	0.050	0.065	87.652%		
X		0.048	0.035	0.060	0.061	0.071	87.249%		
σ		0.004	0.004	0.029	0.018	0.010	0.740%		
%RSD		8.164	12.430	48.090	29.490	14.790	0.848		

180-17219-A-2-A

12/29/2012 9:25:04 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	21:25:45	80.964%	0.045	83.620	83.770	0.000	106400.000	15290.000	15310.000
2	21:26:27	82.249%	0.006	86.600	81.470	0.000	105500.000	15260.000	15270.000
3	21:27:08	82.717%	0.043	82.660	87.050	0.000	106200.000	15410.000	15530.000
X		81.977%	0.031	84.290	84.100	0.000	106000.000	15320.000	15370.000
σ		0.907%	0.022	2.059	2.805	0.000	455.100	78.480	137.400
%RSD		1.107	68.890	2.442	3.335	0.000	0.429	0.512	0.894
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:25:45	118.100	7063.000	0.000	1676.000	26940.000	26630.000	76.041%	4.346
2	21:26:27	115.500	7039.000	0.000	1664.000	26990.000	26370.000	78.341%	4.349
3	21:27:08	115.200	7086.000	0.000	1685.000	27880.000	26750.000	78.589%	4.333
X		116.300	7063.000	0.000	1675.000	27270.000	26580.000	77.657%	4.343
σ		1.605	23.900	0.000	10.900	530.000	193.300	1.405%	0.008
%RSD		1.380	0.338	0.000	0.651	1.944	0.727	1.809	0.195
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:25:45	0.279	0.138	179.700	11030.000	10890.000	0.308	0.734	1.569
2	21:26:27	0.276	0.152	178.600	10830.000	10860.000	0.323	0.334	1.642
3	21:27:08	0.086	0.097	181.400	10890.000	10920.000	0.313	0.431	1.386
X		0.214	0.129	179.900	10920.000	10890.000	0.315	0.500	1.532
σ		0.110	0.029	1.388	102.900	30.020	0.008	0.209	0.132
%RSD		51.720	22.420	0.772	0.942	0.276	2.487	41.730	8.589
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:25:45	1.594	4.591	4.712	1.081	-0.972	-1.852	0.000	179.100
2	21:26:27	1.216	4.259	4.561	1.562	-1.421	-0.357	0.000	180.000
3	21:27:08	1.637	5.135	5.035	1.231	-1.693	-0.267	0.000	182.000
X		1.482	4.662	4.769	1.291	-1.362	-0.825	0.000	180.300
σ		0.232	0.442	0.242	0.246	0.364	0.890	0.000	1.467
%RSD		15.640	9.480	5.077	19.070	26.740	107.900	0.000	0.813
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:25:45	78.439%	0.830	0.720	76.651%	0.033	0.014	-0.034	-0.078
2	21:26:27	80.434%	0.774	0.544	78.685%	0.018	0.024	0.077	-0.070
3	21:27:08	81.505%	0.466	0.802	79.854%	0.013	0.013	-0.011	-0.084
X		80.126%	0.690	0.689	78.397%	0.021	0.017	0.011	-0.078
σ		1.556%	0.196	0.132	1.621%	0.011	0.006	0.059	0.007
%RSD		1.942	28.360	19.100	2.068	50.930	34.100	538.800	9.310
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:25:45	79.835%	3.319	1.334	1.222	52.920	56.100	84.111%	85.787%
2	21:26:27	82.421%	2.646	1.019	1.036	53.590	52.400	87.789%	89.555%
3	21:27:08	83.336%	2.358	0.820	0.790	54.830	56.510	89.156%	90.354%
X		81.864%	2.774	1.057	1.016	53.780	55.000	87.018%	88.565%
σ		1.816%	0.493	0.259	0.217	0.968	2.265	2.609%	2.439%
%RSD		2.218	17.780	24.490	21.310	1.799	4.119	2.998	2.754
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	21:25:45	0.010	0.023	0.362	0.415	0.411	85.627%		
2	21:26:27	0.029	0.022	0.353	0.441	0.419	88.366%		
3	21:27:08	0.004	0.020	0.412	0.433	0.409	88.287%		
X		0.014	0.022	0.376	0.429	0.413	87.427%		
σ		0.013	0.001	0.032	0.013	0.005	1.559%		
%RSD		92.130	6.373	8.431	3.017	1.293	1.783		

CCV 664806 12/29/2012 9:32:14 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	21:32:55	83.111%	99.620	96.840	94.830	0.000	47150.000	41280.000	41460.000
2	21:33:37	82.933%	98.890	95.100	96.040	0.000	47170.000	41690.000	42120.000
3	21:34:19	83.854%	100.600	95.400	95.130	0.000	47160.000	42260.000	42220.000
X		83.299%	99.706%	95.782%	95.334%	0.000	94.318%	83.480%	83.867%
σ		0.489%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		0.586	0.858	0.973	0.659	0.000	0.021	1.179	0.975
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:32:55	464.800	4846.000	0.000	48120.000	48130.000	47260.000	80.370%	98.860
2	21:33:37	466.400	4886.000	0.000	47850.000	48710.000	47620.000	81.999%	103.500
3	21:34:19	468.000	4871.000	0.000	47760.000	48040.000	47900.000	82.559%	99.010
X		93.282%	97.355%	0.000	95.823%	96.585%	95.188%	81.643%	100.448%
σ		n/a	n/a	0.000	n/a	n/a	n/a	1.137%	n/a
%RSD		0.352	0.423	0.000	0.391	0.747	0.673	1.392	2.611
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:32:55	96.540	98.150	478.000	24490.000	24100.000	98.130	103.100	101.500
2	21:33:37	98.080	97.770	482.000	24090.000	24230.000	98.180	100.100	98.960
3	21:34:19	99.370	98.370	486.300	24040.000	24320.000	99.740	99.940	101.800
X		97.996%	98.097%	96.417%	96.819%	96.866%	98.685%	101.054%	100.742%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		1.445	0.313	0.854	1.041	0.463	0.927	1.756	1.537
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:32:55	102.700	102.600	100.200	101.100	91.590	101.000	0.000	97.470
2	21:33:37	101.200	99.400	99.930	95.970	99.030	97.800	0.000	96.430
3	21:34:19	99.560	101.000	100.900	97.580	94.790	95.220	0.000	96.240
X		101.153%	101.027%	100.350%	98.216%	95.136%	98.014%	0.000	96.711%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		1.530	1.601	0.527	2.670	3.926	2.961	0.000	0.686
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:32:55	80.392%	96.880	98.160	79.515%	96.570	97.060	92.430	95.720
2	21:33:37	83.268%	99.350	100.500	82.174%	97.780	99.500	98.570	98.090
3	21:34:19	84.799%	102.200	102.100	83.618%	98.030	98.790	97.280	96.440
X		82.819%	99.467%	100.256%	81.769%	97.457%	98.448%	96.093%	96.751%
σ		2.238%	n/a	n/a	2.082%	n/a	n/a	n/a	n/a
%RSD		2.702	2.660	1.997	2.546	0.803	1.279	3.373	1.256
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:32:55	82.043%	97.800	96.830	97.400	98.950	97.700	86.326%	87.048%
2	21:33:37	84.551%	98.380	99.750	98.550	99.600	94.810	88.164%	90.288%
3	21:34:19	85.926%	98.480	100.600	99.460	101.000	97.280	91.696%	92.841%
X		84.173%	98.218%	99.047%	98.471%	99.835%	96.598%	88.729%	90.059%
σ		1.969%	n/a	n/a	n/a	n/a	n/a	2.729%	2.903%
%RSD		2.339	0.371	1.985	1.046	1.027	1.615	3.076	3.224
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	21:32:55	97.110	97.170	97.880	98.030	98.120	85.163%		
2	21:33:37	99.070	98.580	99.780	100.400	99.870	88.295%		
3	21:34:19	99.110	99.240	98.330	100.600	99.480	90.191%		
X		98.431%	98.331%	98.664%	99.675%	99.157%	87.883%		
σ		n/a	n/a	n/a	n/a	n/a	2.539%		
%RSD		1.163	1.074	1.005	1.439	0.926	2.889		

CCB6 12/29/2012 9:39:27 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:40:08	86.141%	0.005	1.921	2.175	0.000	-22.060	20.140	21.750
2	21:40:50	87.487%	0.039	1.754	2.332	0.000	12.270	36.590	40.150
3	21:41:32	86.281%	0.005	2.941	2.222	0.000	-7.703	32.570	35.060
X		86.636%	0.016	2.206	2.243	0.000	-5.828	29.760	32.320
σ		0.740%	0.020	0.643	0.081	0.000	17.240	8.576	9.498
%RSD		0.854	122.700	29.140	3.594	0.000	295.800	28.810	29.390
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:40:08	-1.203	4.935	0.000	14.570	51.050	48.280	83.155%	0.038
2	21:40:50	0.717	4.928	0.000	29.420	72.550	77.790	83.215%	0.537
3	21:41:32	0.529	4.465	0.000	17.000	78.200	69.250	82.988%	0.226
X		0.014	4.776	0.000	20.330	67.270	65.110	83.120%	0.267
σ		1.059	0.270	0.000	7.967	14.330	15.190	0.118%	0.252
%RSD		7426.000	5.643	0.000	39.180	21.300	23.330	0.141	94.530
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:40:08	0.029	-0.001	0.297	22.590	26.600	0.050	0.052	0.330
2	21:40:50	0.092	0.103	0.676	25.840	30.640	0.097	0.279	0.528
3	21:41:32	0.077	0.034	0.529	22.060	29.740	0.105	0.156	0.361
X		0.066	0.046	0.501	23.500	28.990	0.084	0.162	0.406
σ		0.033	0.053	0.191	2.046	2.122	0.030	0.114	0.106
%RSD		49.900	115.900	38.110	8.707	7.318	35.490	70.030	26.180
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:40:08	0.336	0.486	0.601	-0.369	-0.697	-1.312	0.000	0.465
2	21:40:50	0.396	0.482	0.640	-0.087	-0.013	-0.818	0.000	0.961
3	21:41:32	0.420	0.326	1.067	-0.314	-0.454	-0.490	0.000	0.781
X		0.384	0.431	0.770	-0.257	-0.388	-0.873	0.000	0.736
σ		0.043	0.091	0.259	0.150	0.347	0.414	0.000	0.251
%RSD		11.320	21.210	33.640	58.290	89.420	47.390	0.000	34.100
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:40:08	83.004%	0.415	0.428	84.295%	0.062	0.047	0.108	0.022
2	21:40:50	83.621%	0.395	0.390	85.246%	0.057	0.066	0.160	0.008
3	21:41:32	82.853%	0.336	0.269	84.928%	0.034	0.057	0.109	0.023
X		83.159%	0.382	0.363	84.823%	0.051	0.057	0.126	0.018
σ		0.407%	0.041	0.083	0.484%	0.015	0.009	0.030	0.008
%RSD		0.489	10.710	22.910	0.571	28.940	16.430	23.660	45.910
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:40:08	83.516%	1.897	0.241	0.202	0.171	0.150	85.477%	86.410%
2	21:40:50	85.218%	1.895	0.271	0.255	0.476	0.239	86.296%	87.390%
3	21:41:32	84.878%	1.857	0.226	0.294	0.294	0.450	87.169%	87.216%
X		84.537%	1.883	0.246	0.250	0.313	0.280	86.314%	87.005%
σ		0.901%	0.022	0.023	0.046	0.153	0.154	0.846%	0.523%
%RSD		1.066	1.181	9.171	18.490	48.920	54.990	0.981	0.601
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	21:40:08	0.049	0.068	0.053	0.049	0.060	88.786%		
2	21:40:50	0.088	0.089	0.080	0.060	0.077	89.236%		
3	21:41:32	0.082	0.069	0.056	0.056	0.050	89.319%		
X		0.073	0.075	0.063	0.055	0.062	89.114%		
σ		0.021	0.012	0.015	0.006	0.013	0.287%		
%RSD		28.840	15.980	23.570	10.350	21.530	0.322		

180-17219-A-3-A

12/29/2012 9:43:45 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	21:44:26	84.630%	-0.031	46.630	46.090	0.000	34690.000	14930.000	14960.000
2	21:45:08	86.369%	-0.031	46.460	48.410	0.000	34220.000	14940.000	14990.000
3	21:45:50	84.984%	-0.031	49.990	48.340	0.000	34570.000	15150.000	15220.000
X		85.328%	-0.031	47.690	47.610	0.000	34490.000	15010.000	15050.000
σ		0.919%	0.000	1.987	1.322	0.000	245.600	127.300	142.300
%RSD		1.077	0.000	4.167	2.777	0.000	0.712	0.848	0.946
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:44:26	0.376	5069.000	0.000	2424.000	19790.000	19090.000	80.864%	2.224
2	21:45:08	0.669	5050.000	0.000	2438.000	19410.000	19120.000	82.175%	1.492
3	21:45:50	0.591	5115.000	0.000	2470.000	19670.000	19440.000	82.537%	1.736
X		0.546	5078.000	0.000	2444.000	19620.000	19220.000	81.859%	1.817
σ		0.152	33.530	0.000	23.570	194.400	192.000	0.880%	0.373
%RSD		27.810	0.660	0.000	0.965	0.991	0.999	1.075	20.510
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:44:26	-0.007	-0.199	39.050	10390.000	9937.000	0.483	0.531	0.974
2	21:45:08	-0.065	-0.135	38.940	10250.000	10010.000	0.498	0.480	0.778
3	21:45:50	-0.114	-0.178	39.640	10290.000	10090.000	0.524	0.475	0.794
X		-0.062	-0.171	39.210	10310.000	10010.000	0.502	0.495	0.848
σ		0.053	0.032	0.374	71.240	77.120	0.020	0.031	0.109
%RSD		86.090	19.010	0.954	0.691	0.770	4.077	6.287	12.810
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:44:26	0.966	14.580	13.840	12.170	-1.355	-1.463	0.000	118.600
2	21:45:08	0.798	15.480	16.250	11.970	-1.762	0.481	0.000	118.900
3	21:45:50	0.960	13.960	14.020	12.750	-1.064	-0.525	0.000	122.100
X		0.908	14.670	14.700	12.300	-1.394	-0.502	0.000	119.900
σ		0.096	0.761	1.344	0.401	0.350	0.972	0.000	1.965
%RSD		10.520	5.186	9.142	3.264	25.140	193.600	0.000	1.639
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:44:26	81.775%	0.433	0.627	81.219%	-0.002	0.003	0.087	0.102
2	21:45:08	83.443%	0.507	0.520	83.165%	-0.006	0.003	0.095	0.000
3	21:45:50	83.675%	0.540	0.529	84.071%	0.012	0.003	0.205	0.164
X		82.964%	0.493	0.559	82.818%	0.001	0.003	0.129	0.088
σ		1.037%	0.055	0.060	1.457%	0.009	0.000	0.066	0.083
%RSD		1.250	11.150	10.650	1.759	813.600	6.709	50.920	93.440
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:44:26	82.257%	1.590	0.234	0.251	58.950	60.170	85.014%	86.720%
2	21:45:08	85.156%	1.368	0.270	0.152	59.710	58.820	88.917%	89.643%
3	21:45:50	85.808%	1.779	0.189	0.226	59.620	59.150	89.616%	90.668%
X		84.407%	1.579	0.231	0.210	59.430	59.380	87.849%	89.011%
σ		1.890%	0.206	0.041	0.052	0.417	0.705	2.480%	2.049%
%RSD		2.239	13.030	17.560	24.620	0.701	1.187	2.823	2.302
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	21:44:26	0.009	0.012	0.907	0.937	0.934	90.783%		
2	21:45:08	0.019	0.030	0.878	1.008	0.904	91.842%		
3	21:45:50	0.019	0.022	0.976	0.968	0.915	91.346%		
X		0.016	0.022	0.921	0.971	0.918	91.323%		
σ		0.006	0.009	0.050	0.036	0.015	0.530%		
%RSD		38.770	40.350	5.436	3.664	1.646	0.580		

180-17219-A-4-A

12/29/2012 9:48:01 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:48:42	85.656%	0.005	50.850	47.300	0.000	35190.000	15160.000	15280.000
2	21:49:24	85.587%	-0.031	48.160	50.610	0.000	35100.000	15450.000	15390.000
3	21:50:06	84.839%	-0.031	49.200	50.680	0.000	35120.000	15540.000	15500.000
X		85.361%	-0.019	49.400	49.530	0.000	35140.000	15390.000	15390.000
σ		0.453%	0.021	1.360	1.932	0.000	42.750	197.500	110.000
%RSD		0.531	109.200	2.753	3.901	0.000	0.122	1.284	0.715
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:48:42	-1.137	5190.000	0.000	2464.000	19770.000	19360.000	83.497%	2.152
2	21:49:24	-1.031	5242.000	0.000	2492.000	20380.000	19560.000	83.960%	1.768
3	21:50:06	-1.465	5236.000	0.000	2489.000	19890.000	19540.000	83.902%	1.646
X		-1.211	5223.000	0.000	2482.000	20010.000	19490.000	83.786%	1.855
σ		0.226	28.800	0.000	15.020	321.900	112.600	0.252%	0.264
%RSD		18.700	0.551	0.000	0.605	1.608	0.578	0.301	14.250
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:48:42	-0.117	-0.102	40.240	10560.000	10150.000	0.470	0.820	0.839
2	21:49:24	-0.044	-0.124	40.420	10530.000	10260.000	0.500	0.458	0.699
3	21:50:06	-0.054	-0.131	40.450	10470.000	10260.000	0.540	0.423	0.592
X		-0.072	-0.119	40.370	10520.000	10220.000	0.504	0.567	0.710
σ		0.040	0.015	0.117	47.310	65.130	0.035	0.220	0.124
%RSD		55.440	12.930	0.289	0.450	0.637	7.043	38.820	17.510
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:48:42	0.832	14.230	13.600	12.870	0.005	-0.982	0.000	121.300
2	21:49:24	0.677	13.940	12.860	12.190	-0.978	-1.369	0.000	120.800
3	21:50:06	1.009	13.770	15.130	13.020	-0.500	-0.194	0.000	122.900
X		0.840	13.980	13.860	12.690	-0.491	-0.849	0.000	121.600
σ		0.166	0.230	1.157	0.445	0.492	0.599	0.000	1.070
%RSD		19.770	1.646	8.345	3.503	100.100	70.560	0.000	0.879
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:48:42	83.047%	0.420	0.667	82.772%	0.007	0.003	0.230	0.226
2	21:49:24	84.325%	0.536	0.503	84.131%	0.003	-0.002	0.249	0.150
3	21:50:06	83.940%	0.498	0.478	84.608%	-0.002	-0.007	0.208	0.146
X		83.771%	0.485	0.549	83.837%	0.003	-0.002	0.229	0.174
σ		0.656%	0.059	0.102	0.953%	0.005	0.005	0.021	0.045
%RSD		0.783	12.190	18.640	1.137	173.000	250.700	9.058	25.940
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:48:42	83.451%	2.387	0.195	0.181	59.420	61.050	87.925%	88.391%
2	21:49:24	85.149%	3.196	0.205	0.203	60.310	60.700	88.690%	90.654%
3	21:50:06	85.434%	2.513	0.165	0.158	60.000	60.270	89.336%	90.957%
X		84.678%	2.699	0.188	0.181	59.910	60.670	88.651%	90.001%
σ		1.072%	0.435	0.021	0.023	0.454	0.391	0.706%	1.402%
%RSD		1.266	16.130	11.090	12.560	0.759	0.644	0.797	1.558
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	21:48:42	0.018	0.013	0.787	0.768	0.809	88.551%		
2	21:49:24	-0.005	0.018	0.857	0.854	0.860	90.112%		
3	21:50:06	0.000	0.014	0.860	0.923	0.882	90.132%		
X		0.004	0.015	0.834	0.848	0.850	89.598%		
σ		0.012	0.003	0.041	0.077	0.037	0.907%		
%RSD		277.900	18.490	4.957	9.129	4.370	1.012		

180-17219-A-5-A

12/29/2012 9:52:18 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	21:52:59	84.352%	0.005	39.720	42.520	0.000	46380.000	21080.000	21140.000
2	21:53:41	84.146%	-0.031	42.990	44.060	0.000	46090.000	21220.000	21160.000
3	21:54:23	86.084%	0.005	43.380	43.380	0.000	45770.000	21140.000	21180.000
X		84.861%	-0.007	42.030	43.320	0.000	46080.000	21150.000	21160.000
σ		1.065%	0.021	2.012	0.775	0.000	309.400	67.870	22.270
%RSD		1.254	301.900	4.788	1.789	0.000	0.671	0.321	0.105
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:52:59	25.130	11510.000	0.000	1028.000	30180.000	29480.000	83.022%	2.038
2	21:53:41	26.520	11510.000	0.000	1019.000	30650.000	29270.000	84.677%	1.813
3	21:54:23	25.560	11530.000	0.000	1028.000	30190.000	29700.000	84.619%	2.181
X		25.730	11520.000	0.000	1025.000	30340.000	29490.000	84.106%	2.011
σ		0.710	8.818	0.000	5.262	266.900	216.000	0.939%	0.186
%RSD		2.759	0.077	0.000	0.513	0.880	0.733	1.116	9.227
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:52:59	0.071	-0.085	684.300	23620.000	23190.000	0.964	0.086	1.158
2	21:53:41	0.208	-0.040	683.700	23130.000	23010.000	0.872	0.276	1.177
3	21:54:23	0.135	-0.103	688.800	23170.000	23200.000	0.773	0.259	1.219
X		0.138	-0.076	685.600	23300.000	23130.000	0.870	0.207	1.185
σ		0.069	0.032	2.775	271.000	105.500	0.096	0.105	0.031
%RSD		49.800	42.360	0.405	1.163	0.456	11.020	50.930	2.610
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:52:59	0.975	5.494	5.553	50.940	0.209	-0.691	0.000	246.600
2	21:53:41	1.234	5.357	6.030	49.920	-1.710	-0.313	0.000	245.800
3	21:54:23	1.186	6.421	6.513	51.820	0.313	-0.778	0.000	247.300
X		1.132	5.758	6.032	50.890	-0.396	-0.594	0.000	246.600
σ		0.138	0.579	0.480	0.948	1.139	0.247	0.000	0.719
%RSD		12.200	10.060	7.954	1.864	287.800	41.660	0.000	0.292
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:52:59	84.014%	0.312	0.409	83.032%	0.007	-0.002	0.075	0.003
2	21:53:41	85.637%	0.399	0.369	85.145%	-0.002	-0.002	0.049	-0.008
3	21:54:23	86.772%	0.465	0.500	85.908%	0.016	0.003	-0.044	-0.064
X		85.474%	0.392	0.426	84.695%	0.007	-0.001	0.027	-0.023
σ		1.386%	0.077	0.067	1.490%	0.009	0.003	0.062	0.036
%RSD		1.622	19.650	15.690	1.759	126.000	510.900	232.600	155.800
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:52:59	83.881%	1.356	0.163	0.148	79.010	78.280	87.780%	89.645%
2	21:53:41	87.891%	0.904	0.160	0.128	74.080	75.230	91.737%	92.061%
3	21:54:23	88.466%	0.729	0.145	0.139	75.780	78.840	91.614%	93.492%
X		86.746%	0.996	0.156	0.138	76.290	77.450	90.377%	91.733%
σ		2.498%	0.323	0.010	0.010	2.504	1.944	2.250%	1.945%
%RSD		2.879	32.470	6.449	7.429	3.282	2.511	2.489	2.120
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	21:52:59	-0.002	0.014	0.272	0.333	0.293	88.875%		
2	21:53:41	0.005	0.007	0.273	0.341	0.317	91.612%		
3	21:54:23	0.008	0.006	0.296	0.314	0.321	92.774%		
X		0.004	0.009	0.280	0.329	0.310	91.087%		
σ		0.005	0.004	0.013	0.014	0.015	2.002%		
%RSD		140.300	50.240	4.753	4.202	4.874	2.198		

180-17219-A-6-A

12/29/2012 9:56:35 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	21:57:17	83.697%	-0.031	32.530	31.560	0.000	3513.000	3178.000	3174.000
2	21:57:59	83.326%	-0.031	29.940	31.430	0.000	3047.000	3187.000	3179.000
3	21:58:40	82.418%	0.006	32.280	34.220	0.000	3065.000	3166.000	3159.000
X		83.147%	-0.018	31.580	32.400	0.000	3208.000	3177.000	3171.000
σ		0.658%	0.021	1.430	1.574	0.000	264.000	10.490	10.410
%RSD		0.791	116.400	4.528	4.857	0.000	8.228	0.330	0.328
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:57:17	2.854	2720.000	0.000	4239.000	23990.000	23310.000	82.429%	1.173
2	21:57:59	1.881	2715.000	0.000	4229.000	23410.000	23350.000	81.274%	0.743
3	21:58:40	2.391	2713.000	0.000	4231.000	24040.000	23300.000	80.623%	0.428
X		2.375	2716.000	0.000	4233.000	23810.000	23320.000	81.442%	0.781
σ		0.486	3.688	0.000	5.418	352.600	23.770	0.915%	0.374
%RSD		20.480	0.136	0.000	0.128	1.481	0.102	1.123	47.880
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:57:17	1.494	0.131	40.090	148.800	222.000	0.491	0.229	2.746
2	21:57:59	1.186	0.037	39.590	117.700	187.300	0.633	0.304	2.336
3	21:58:40	1.534	0.148	39.850	115.200	186.700	0.561	0.408	2.579
X		1.405	0.105	39.850	127.200	198.600	0.561	0.314	2.554
σ		0.190	0.060	0.251	18.710	20.220	0.071	0.090	0.206
%RSD		13.540	56.820	0.630	14.710	10.180	12.630	28.640	8.071
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:57:17	2.100	6.452	7.013	2.550	-0.557	0.479	0.000	151.800
2	21:57:59	2.798	6.560	6.503	2.521	0.060	1.175	0.000	151.500
3	21:58:40	2.689	6.696	6.780	2.369	-0.640	-0.503	0.000	151.400
X		2.529	6.569	6.765	2.480	-0.379	0.384	0.000	151.600
σ		0.375	0.122	0.255	0.098	0.383	0.843	0.000	0.197
%RSD		14.850	1.861	3.775	3.938	101.000	219.700	0.000	0.130
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:57:17	82.558%	4.315	3.886	83.503%	-0.002	-0.007	-0.116	-0.155
2	21:57:59	82.327%	4.143	4.364	82.858%	-0.002	-0.007	-0.031	-0.003
3	21:58:40	82.040%	4.347	4.509	82.341%	-0.002	-0.007	0.019	-0.019
X		82.308%	4.268	4.253	82.901%	-0.002	-0.007	-0.042	-0.059
σ		0.260%	0.110	0.326	0.582%	0.000	0.000	0.068	0.083
%RSD		0.316	2.571	7.662	0.703	1.454	0.000	160.600	140.400
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:57:17	84.584%	1.930	0.945	0.961	13.590	13.630	88.271%	88.560%
2	21:57:59	84.087%	2.211	1.034	0.945	13.300	13.090	88.999%	88.736%
3	21:58:40	84.022%	1.909	1.101	0.954	13.760	13.800	88.010%	88.824%
X		84.231%	2.016	1.027	0.954	13.550	13.500	88.427%	88.707%
σ		0.308%	0.169	0.079	0.008	0.232	0.372	0.513%	0.134%
%RSD		0.365	8.383	7.647	0.835	1.709	2.756	0.580	0.151
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	21:57:17	0.006	0.018	0.281	0.262	0.286	90.402%		
2	21:57:59	0.017	0.019	0.264	0.258	0.267	90.390%		
3	21:58:40	0.000	0.015	0.259	0.256	0.280	89.851%		
X		0.008	0.017	0.268	0.259	0.278	90.214%		
σ		0.008	0.002	0.012	0.003	0.009	0.315%		
%RSD		107.900	12.820	4.309	1.185	3.417	0.349		

180-17219-A-6-A SD@5 12/29/2012 10:00:53 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:01:35	79.161%	-0.031	7.470	8.543	0.000	599.800	642.000	653.900
2	22:02:17	81.915%	-0.031	8.978	7.637	0.000	571.900	645.600	636.700
3	22:02:58	81.276%	-0.031	6.604	7.758	0.000	559.200	641.400	636.300
X		80.784%	-0.031	7.684	7.980	0.000	577.000	643.000	642.300
σ		1.441%	0.000	1.201	0.492	0.000	20.750	2.259	10.050
%RSD		1.784	0.000	15.640	6.163	0.000	3.596	0.351	1.565
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:01:35	-0.234	539.500	0.000	835.500	4892.000	4623.000	77.222%	0.451
2	22:02:17	-1.338	538.900	0.000	833.300	5004.000	4647.000	76.687%	0.116
3	22:02:58	-2.528	535.200	0.000	831.900	4447.000	4619.000	76.103%	0.254
X		-1.366	537.900	0.000	833.600	4781.000	4630.000	76.671%	0.273
σ		1.147	2.344	0.000	1.808	294.600	15.430	0.560%	0.168
%RSD		83.970	0.436	0.000	0.217	6.162	0.333	0.730	61.620
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:01:35	0.254	-0.049	8.522	38.000	51.480	0.128	0.283	0.816
2	22:02:17	0.231	-0.015	8.380	31.430	44.960	0.107	0.104	0.879
3	22:02:58	0.355	0.012	8.520	27.900	45.140	0.112	0.132	0.680
X		0.280	-0.017	8.474	32.440	47.190	0.116	0.173	0.792
σ		0.066	0.031	0.081	5.128	3.711	0.011	0.096	0.102
%RSD		23.570	175.100	0.962	15.800	7.863	9.480	55.600	12.860
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:01:35	0.740	1.154	1.842	0.571	-0.572	0.144	0.000	31.650
2	22:02:17	1.028	1.473	1.587	0.365	-1.730	-0.158	0.000	30.710
3	22:02:58	0.946	1.583	1.026	0.833	-1.343	-0.057	0.000	30.320
X		0.905	1.403	1.485	0.590	-1.215	-0.024	0.000	30.890
σ		0.148	0.223	0.417	0.235	0.590	0.154	0.000	0.684
%RSD		16.400	15.850	28.100	39.790	48.520	648.300	0.000	2.213
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:01:35	77.397%	1.071	0.714	78.952%	0.003	0.009	-0.055	-0.117
2	22:02:17	78.361%	0.787	0.658	79.110%	0.013	-0.007	-0.153	-0.189
3	22:02:58	78.182%	0.750	0.704	78.664%	0.003	0.009	0.115	0.085
X		77.980%	0.870	0.692	78.909%	0.006	0.004	-0.031	-0.074
σ		0.513%	0.176	0.030	0.226%	0.006	0.009	0.136	0.142
%RSD		0.657	20.190	4.311	0.287	85.700	257.800	440.600	192.600
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:01:35	78.770%	0.926	0.293	0.228	3.222	2.978	83.150%	83.874%
2	22:02:17	81.117%	0.729	0.290	0.288	2.744	2.831	84.456%	84.568%
3	22:02:58	80.607%	0.702	0.234	0.162	2.543	2.734	84.171%	85.085%
X		80.165%	0.786	0.272	0.226	2.836	2.848	83.926%	84.509%
σ		1.234%	0.123	0.033	0.063	0.349	0.123	0.687%	0.607%
%RSD		1.540	15.620	12.190	27.830	12.290	4.303	0.818	0.719
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	22:01:35	-0.001	0.010	0.086	0.106	0.072	84.273%		
2	22:02:17	0.010	0.008	0.077	0.044	0.065	85.597%		
3	22:02:58	0.010	0.014	0.055	0.055	0.064	86.154%		
X		0.006	0.011	0.073	0.068	0.067	85.341%		
σ		0.007	0.003	0.016	0.033	0.004	0.966%		
%RSD		100.300	27.320	21.780	48.780	6.579	1.132		

180-17219-A-6-B MS

12/29/2012 10:05:12 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:05:53	81.123%	50.040	945.900	936.000	0.000	50120.000	44210.000	44620.000
2	22:06:35	82.071%	49.830	961.600	955.900	0.000	50250.000	44840.000	45270.000
3	22:07:17	81.524%	51.560	978.500	957.200	0.000	50400.000	45160.000	45360.000
X		81.573%	50.470	962.000	949.700	0.000	50260.000	44740.000	45080.000
σ		0.476%	0.944	16.300	11.880	0.000	138.300	481.400	406.300
%RSD		0.583	1.871	1.695	1.251	0.000	0.275	1.076	0.901
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:05:53	1847.000	12380.000	0.000	52620.000	70900.000	71470.000	77.999%	982.600
2	22:06:35	1873.000	12620.000	0.000	52610.000	73550.000	73120.000	78.235%	1005.000
3	22:07:17	1884.000	12640.000	0.000	52260.000	70770.000	72490.000	78.943%	986.300
X		1868.000	12550.000	0.000	52500.000	71740.000	72360.000	78.392%	991.300
σ		19.000	143.200	0.000	206.300	1568.000	831.800	0.491%	11.920
%RSD		1.017	1.141	0.000	0.393	2.186	1.149	0.626	1.202
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:05:53	494.400	195.200	530.800	975.700	1301.000	489.500	495.900	248.400
2	22:06:35	504.200	197.700	537.000	991.700	1299.000	497.000	502.100	254.500
3	22:07:17	503.300	199.100	536.600	991.000	1314.000	495.900	500.900	251.200
X		500.600	197.400	534.800	986.100	1305.000	494.200	499.600	251.400
σ		5.396	1.971	3.487	9.066	8.040	4.022	3.316	3.059
%RSD		1.078	0.999	0.652	0.919	0.616	0.814	0.664	1.217
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:05:53	246.200	487.800	490.700	41.500	10.740	9.919	0.000	1130.000
2	22:06:35	255.300	485.000	491.200	41.130	10.680	8.737	0.000	1135.000
3	22:07:17	250.300	491.100	498.300	42.260	6.133	8.174	0.000	1132.000
X		250.600	488.000	493.400	41.630	9.187	8.943	0.000	1132.000
σ		4.533	3.083	4.262	0.576	2.644	0.890	0.000	2.359
%RSD		1.809	0.632	0.864	1.384	28.780	9.954	0.000	0.208
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:05:53	76.868%	1015.000	1022.000	75.515%	49.460	49.550	47.830	39.900
2	22:06:35	78.966%	1024.000	1025.000	77.717%	48.920	49.770	48.250	43.070
3	22:07:17	79.463%	1028.000	1036.000	77.967%	50.440	50.010	49.480	41.820
X		78.432%	1022.000	1028.000	77.066%	49.610	49.780	48.520	41.600
σ		1.378%	6.665	7.663	1.349%	0.772	0.229	0.857	1.597
%RSD		1.756	0.652	0.746	1.751	1.557	0.459	1.766	3.840
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:05:53	78.779%	2015.000	487.100	484.700	1975.000	1987.000	84.280%	85.910%
2	22:06:35	80.860%	2029.000	493.800	494.900	1974.000	1969.000	86.857%	88.968%
3	22:07:17	81.409%	2029.000	494.600	493.500	1967.000	1984.000	87.471%	88.832%
X		80.349%	2024.000	491.800	491.000	1972.000	1980.000	86.203%	87.903%
σ		1.388%	7.820	4.106	5.511	4.079	9.308	1.693%	1.727%
%RSD		1.727	0.386	0.835	1.122	0.207	0.470	1.964	1.965
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	22:05:53	48.650	49.160	19.700	20.380	20.150	85.719%		
2	22:06:35	50.520	49.440	20.300	20.420	20.410	87.574%		
3	22:07:17	50.910	50.110	20.590	20.690	20.610	87.919%		
X		50.030	49.570	20.200	20.500	20.390	87.071%		
σ		1.207	0.487	0.451	0.172	0.232	1.183%		
%RSD		2.412	0.982	2.233	0.841	1.137	1.359		

180-17219-A-6-C MSD

12/29/2012 10:09:28 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	22:10:10	78.556%	52.030	961.400	957.300	0.000	50470.000	44730.000	44860.000
2	22:10:52	80.106%	47.620	948.200	948.200	0.000	49410.000	44320.000	44600.000
3	22:11:33	79.312%	47.430	970.200	959.800	0.000	50000.000	45010.000	45210.000
X		79.325%	49.030	959.900	955.100	0.000	49960.000	44690.000	44890.000
σ		0.775%	2.600	11.110	6.123	0.000	531.900	347.800	309.300
%RSD		0.978	5.304	1.157	0.641	0.000	1.065	0.778	0.689
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:10:10	1851.000	12440.000	0.000	52100.000	70370.000	70570.000	76.839%	974.800
2	22:10:52	1844.000	12380.000	0.000	51690.000	72190.000	71090.000	77.074%	981.700
3	22:11:33	1857.000	12430.000	0.000	51840.000	71400.000	71760.000	76.614%	989.800
X		1851.000	12420.000	0.000	51870.000	71320.000	71140.000	76.842%	982.100
σ		6.339	31.270	0.000	206.400	912.100	596.300	0.230%	7.512
%RSD		0.343	0.252	0.000	0.398	1.279	0.838	0.299	0.765
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:10:10	491.600	195.500	523.300	901.800	1220.000	486.600	488.000	245.900
2	22:10:52	490.100	195.100	519.800	903.300	1242.000	486.900	493.000	251.000
3	22:11:33	501.600	196.700	524.300	908.100	1214.000	487.200	496.300	246.800
X		494.400	195.700	522.500	904.400	1225.000	486.900	492.400	247.900
σ		6.278	0.823	2.347	3.299	15.110	0.314	4.203	2.753
%RSD		1.270	0.420	0.449	0.365	1.234	0.064	0.853	1.111
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:10:10	252.500	476.200	484.800	42.190	8.618	8.293	0.000	1094.000
2	22:10:52	251.000	485.600	485.300	39.850	8.607	10.100	0.000	1103.000
3	22:11:33	252.600	485.200	491.200	40.130	7.631	9.042	0.000	1107.000
X		252.000	482.300	487.100	40.720	8.285	9.143	0.000	1101.000
σ		0.912	5.291	3.539	1.276	0.566	0.906	0.000	6.430
%RSD		0.362	1.097	0.727	3.134	6.836	9.904	0.000	0.584
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:10:10	78.002%	1005.000	1018.000	75.396%	49.180	48.530	50.230	42.090
2	22:10:52	79.046%	1012.000	1023.000	76.775%	49.060	48.940	47.250	40.490
3	22:11:33	79.005%	1016.000	1024.000	76.977%	48.640	48.820	49.020	41.050
X		78.684%	1011.000	1021.000	76.382%	48.960	48.760	48.830	41.210
σ		0.591%	5.328	3.381	0.860%	0.281	0.210	1.497	0.812
%RSD		0.751	0.527	0.331	1.126	0.573	0.431	3.065	1.971
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:10:10	77.556%	2024.000	492.100	494.600	1959.000	1959.000	83.399%	85.567%
2	22:10:52	80.805%	2000.000	490.200	488.900	1907.000	1936.000	87.367%	88.407%
3	22:11:33	81.833%	1988.000	488.900	489.900	1941.000	1939.000	86.994%	88.649%
X		80.065%	2004.000	490.400	491.100	1936.000	1945.000	85.920%	87.541%
σ		2.232%	18.530	1.646	3.060	26.520	12.890	2.191%	1.714%
%RSD		2.788	0.925	0.336	0.623	1.370	0.663	2.550	1.958
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	22:10:10	49.820	49.450	20.400	20.020	20.310	84.271%		
2	22:10:52	49.960	49.780	20.130	21.160	20.420	86.250%		
3	22:11:33	50.480	49.630	20.730	20.480	20.580	86.674%		
X		50.090	49.620	20.420	20.560	20.440	85.732%		
σ		0.347	0.166	0.299	0.570	0.139	1.283%		
%RSD		0.693	0.334	1.464	2.770	0.677	1.496		

180-17219-A-7-A

12/29/2012 10:13:44 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:14:25	79.899%	-0.031	69.420	68.790	0.000	43050.000	18160.000	18200.000
2	22:15:07	81.181%	0.007	66.120	69.020	0.000	42770.000	18120.000	18220.000
3	22:15:48	80.186%	-0.031	65.220	66.880	0.000	43160.000	18510.000	18500.000
X		80.422%	-0.018	66.920	68.230	0.000	42990.000	18260.000	18310.000
σ		0.673%	0.022	2.213	1.177	0.000	200.300	216.100	169.200
%RSD		0.837	119.500	3.307	1.726	0.000	0.466	1.183	0.924
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:14:25	-1.225	10650.000	0.000	12750.000	93830.000	93040.000	77.255%	2.802
2	22:15:07	-2.262	10690.000	0.000	12700.000	92920.000	93180.000	78.597%	2.422
3	22:15:48	-2.186	10870.000	0.000	12800.000	94620.000	94040.000	78.650%	1.892
X		-1.891	10730.000	0.000	12750.000	93790.000	93420.000	78.167%	2.372
σ		0.578	119.100	0.000	52.970	846.100	542.400	0.790%	0.457
%RSD		30.570	1.110	0.000	0.415	0.902	0.581	1.011	19.270
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:14:25	0.491	0.531	980.700	46370.000	46170.000	0.238	3.667	0.824
2	22:15:07	0.428	0.380	981.500	45890.000	46320.000	0.187	3.475	0.872
3	22:15:48	0.309	0.479	1000.000	46340.000	46990.000	0.195	4.046	0.713
X		0.410	0.463	987.500	46200.000	46500.000	0.206	3.729	0.803
σ		0.092	0.077	11.050	269.300	436.400	0.027	0.291	0.081
%RSD		22.570	16.570	1.119	0.583	0.939	13.290	7.795	10.120
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:14:25	0.961	10.220	11.060	7.903	-0.333	-0.825	0.000	716.800
2	22:15:07	0.889	10.170	10.500	8.021	-2.028	-1.855	0.000	711.100
3	22:15:48	1.020	10.000	11.520	7.899	-0.428	-1.196	0.000	722.600
X		0.957	10.130	11.020	7.941	-0.930	-1.292	0.000	716.800
σ		0.065	0.114	0.510	0.069	0.953	0.522	0.000	5.743
%RSD		6.842	1.121	4.628	0.873	102.500	40.390	0.000	0.801
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:14:25	77.770%	8.684	8.910	76.636%	0.013	-0.007	0.075	-0.004
2	22:15:07	80.026%	6.216	5.927	78.134%	0.013	0.009	0.245	0.238
3	22:15:48	79.971%	4.667	4.824	78.814%	0.013	0.009	0.090	-0.007
X		79.256%	6.522	6.554	77.861%	0.013	0.003	0.137	0.076
σ		1.287%	2.026	2.114	1.114%	0.000	0.009	0.094	0.141
%RSD		1.624	31.070	32.250	1.431	2.196	264.600	68.860	185.900
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:14:25	80.022%	11.690	9.249	9.061	83.660	84.720	84.688%	86.416%
2	22:15:07	81.990%	7.390	6.389	6.101	84.650	82.720	87.065%	88.491%
3	22:15:48	82.324%	6.022	4.663	4.326	84.970	83.850	87.704%	88.244%
X		81.445%	8.366	6.767	6.496	84.420	83.760	86.486%	87.717%
σ		1.244%	2.956	2.316	2.392	0.683	1.004	1.589%	1.133%
%RSD		1.527	35.330	34.230	36.830	0.809	1.198	1.837	1.292
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	22:14:25	0.010	0.003	1.484	1.379	1.430	87.514%		
2	22:15:07	-0.002	0.004	1.374	1.369	1.472	89.106%		
3	22:15:48	-0.002	0.005	1.516	1.490	1.483	88.598%		
X		0.002	0.004	1.458	1.413	1.462	88.406%		
σ		0.007	0.001	0.074	0.067	0.028	0.814%		
%RSD		372.700	25.210	5.107	4.758	1.930	0.920		

180-17219-A-8-A 12/29/2012 10:17:58 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	22:18:40	82.366%	-0.031	193.300	188.800	0.000	44250.000	21380.000	21470.000
2	22:19:22	82.828%	0.006	188.200	190.200	0.000	44200.000	21470.000	21520.000
3	22:20:03	83.742%	0.042	187.800	188.100	0.000	43940.000	21550.000	21520.000
X		82.979%	0.006	189.700	189.000	0.000	44130.000	21470.000	21500.000
σ		0.700%	0.036	3.067	1.080	0.000	166.600	86.680	26.650
%RSD		0.844	622.800	1.617	0.572	0.000	0.378	0.404	0.124
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:18:40	152.000	8752.000	0.000	6425.000	68280.000	67650.000	80.820%	4.731
2	22:19:22	151.300	8821.000	0.000	6485.000	69140.000	67950.000	81.926%	5.045
3	22:20:03	151.700	8803.000	0.000	6514.000	69020.000	67480.000	81.928%	4.662
X		151.700	8792.000	0.000	6475.000	68810.000	67690.000	81.558%	4.813
σ		0.335	35.890	0.000	45.300	463.600	239.300	0.639%	0.204
%RSD		0.221	0.408	0.000	0.700	0.674	0.354	0.783	4.239
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:18:40	0.925	0.300	139.500	59820.000	59740.000	11.670	2.109	1.278
2	22:19:22	0.759	0.374	139.300	59000.000	59920.000	11.770	2.206	1.688
3	22:20:03	0.720	0.316	141.800	58930.000	60100.000	11.850	2.051	1.456
X		0.801	0.330	140.200	59250.000	59920.000	11.760	2.122	1.474
σ		0.109	0.039	1.350	493.800	178.900	0.094	0.078	0.206
%RSD		13.560	11.840	0.963	0.833	0.299	0.799	3.674	13.940
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:18:40	1.398	151.600	147.300	25.880	-0.974	-1.378	0.000	579.400
2	22:19:22	1.581	146.900	151.000	26.510	-0.082	1.559	0.000	581.200
3	22:20:03	1.529	148.500	148.800	27.360	-1.177	0.849	0.000	577.800
X		1.503	149.000	149.000	26.580	-0.744	0.344	0.000	579.500
σ		0.094	2.379	1.840	0.744	0.582	1.533	0.000	1.712
%RSD		6.245	1.596	1.235	2.799	78.250	446.000	0.000	0.295
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:18:40	81.062%	2.549	2.392	79.820%	0.003	0.003	0.079	0.063
2	22:19:22	82.729%	2.214	2.014	81.630%	0.012	-0.002	0.019	-0.033
3	22:20:03	83.711%	1.862	1.804	82.633%	0.003	0.003	0.203	0.081
X		82.501%	2.208	2.070	81.361%	0.006	0.001	0.100	0.037
σ		1.339%	0.344	0.298	1.426%	0.005	0.003	0.094	0.062
%RSD		1.623	15.560	14.390	1.752	89.190	202.200	93.510	166.400
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:18:40	81.427%	4.834	1.927	2.041	141.700	141.800	86.011%	87.714%
2	22:19:22	83.559%	4.053	1.617	1.750	140.000	142.400	89.652%	89.230%
3	22:20:03	85.104%	3.586	1.455	1.688	140.300	142.000	90.770%	91.232%
X		83.363%	4.158	1.666	1.826	140.700	142.100	88.811%	89.392%
σ		1.846%	0.631	0.240	0.189	0.910	0.307	2.488%	1.765%
%RSD		2.214	15.160	14.390	10.320	0.647	0.216	2.802	1.974
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	22:18:40	-0.013	0.013	1.587	1.663	1.589	87.091%		
2	22:19:22	-0.011	0.012	1.517	1.559	1.544	89.557%		
3	22:20:03	0.006	0.007	1.556	1.521	1.536	90.122%		
X		-0.006	0.010	1.553	1.581	1.556	88.923%		
σ		0.010	0.003	0.035	0.073	0.029	1.612%		
%RSD		173.000	29.000	2.275	4.635	1.857	1.812		

180-17219-A-9-A

12/29/2012 10:22:14 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	22:22:56	81.832%	0.007	224.500	219.500	0.000	78220.000	34360.000	34450.000
2	22:23:38	82.500%	-0.031	216.900	218.400	0.000	77550.000	34640.000	34750.000
3	22:24:19	85.304%	-0.031	209.600	207.700	0.000	75510.000	33900.000	34110.000
X		83.212%	-0.018	217.000	215.200	0.000	77090.000	34300.000	34440.000
σ		1.842%	0.021	7.464	6.535	0.000	1414.000	373.200	322.100
%RSD		2.214	117.600	3.440	3.037	0.000	1.835	1.088	0.935
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:22:56	0.207	8656.000	0.000	13920.000	85480.000	84810.000	81.006%	2.605
2	22:23:38	-0.190	8678.000	0.000	13900.000	86410.000	85630.000	81.736%	2.961
3	22:24:19	-0.317	8534.000	0.000	13640.000	84790.000	85130.000	83.224%	2.783
X		-0.100	8623.000	0.000	13820.000	85560.000	85190.000	81.989%	2.783
σ		0.273	77.460	0.000	156.200	814.000	417.500	1.130%	0.178
%RSD		273.100	0.898	0.000	1.131	0.951	0.490	1.379	6.409
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:22:56	0.893	0.100	229.900	57630.000	57670.000	4.249	1.116	0.768
2	22:23:38	0.709	0.027	231.500	57120.000	58320.000	4.299	0.732	0.726
3	22:24:19	0.799	-0.037	229.200	56270.000	57740.000	4.176	1.484	0.829
X		0.800	0.030	230.200	57010.000	57910.000	4.241	1.111	0.774
σ		0.092	0.068	1.192	684.000	357.900	0.062	0.376	0.051
%RSD		11.490	228.000	0.518	1.200	0.618	1.454	33.830	6.642
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:22:56	0.691	9.515	9.873	26.510	-1.831	0.202	0.000	576.800
2	22:23:38	0.596	10.230	10.530	27.410	-0.427	-0.177	0.000	584.700
3	22:24:19	0.810	9.255	10.700	27.770	-1.537	-0.756	0.000	581.600
X		0.699	9.667	10.370	27.230	-1.265	-0.244	0.000	581.100
σ		0.107	0.505	0.439	0.645	0.741	0.482	0.000	4.004
%RSD		15.330	5.227	4.237	2.368	58.560	197.700	0.000	0.689
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:22:56	81.460%	0.654	0.550	79.646%	-0.002	-0.007	0.080	0.018
2	22:23:38	82.438%	0.468	0.576	81.270%	0.003	0.003	0.023	-0.033
3	22:24:19	83.575%	0.329	0.573	82.273%	-0.006	0.003	-0.025	-0.117
X		82.491%	0.484	0.567	81.063%	-0.002	-0.000	0.026	-0.044
σ		1.059%	0.163	0.014	1.326%	0.005	0.006	0.053	0.068
%RSD		1.283	33.690	2.467	1.635	265.800	1910.000	201.500	154.100
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:22:56	81.926%	2.810	0.928	0.918	167.700	166.600	87.054%	88.675%
2	22:23:38	84.287%	2.421	0.915	0.967	162.500	162.700	90.249%	91.291%
3	22:24:19	84.937%	2.659	0.858	0.806	163.000	165.200	91.416%	91.436%
X		83.717%	2.630	0.900	0.897	164.400	164.900	89.573%	90.467%
σ		1.584%	0.197	0.037	0.082	2.859	1.995	2.258%	1.554%
%RSD		1.893	7.473	4.134	9.201	1.739	1.210	2.521	1.718
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	22:22:56	-0.008	0.003	0.410	0.348	0.375	88.001%		
2	22:23:38	0.017	0.005	0.356	0.371	0.354	89.953%		
3	22:24:19	0.000	-0.008	0.357	0.338	0.369	90.528%		
X		0.003	-0.000	0.375	0.352	0.366	89.494%		
σ		0.013	0.007	0.031	0.017	0.011	1.325%		
%RSD		391.100	22580.000	8.198	4.786	2.886	1.480		

CCV 664806 12/29/2012 10:29:26 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	22:30:07	81.939%	101.000	99.280	96.110	0.000	48310.000	41900.000	42260.000
2	22:30:49	83.037%	103.700	92.380	97.050	0.000	47710.000	42120.000	42400.000
3	22:31:31	84.512%	99.580	96.170	96.460	0.000	47240.000	42090.000	42200.000
X		83.163%	101.402%	95.943%	96.538%	0.000	95.506%	84.070%	84.571%
σ		1.291%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		1.552	2.042	3.599	0.491	0.000	1.129	0.275	0.245
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:30:07	471.200	4928.000	0.000	48410.000	48370.000	47520.000	82.719%	94.280
2	22:30:49	469.200	4941.000	0.000	47960.000	48000.000	47830.000	83.918%	101.000
3	22:31:31	470.400	4911.000	0.000	47600.000	47330.000	47600.000	85.789%	96.310
X		94.057%	98.532%	0.000	95.982%	95.796%	95.299%	84.142%	97.182%
σ		n/a	n/a	0.000	n/a	n/a	n/a	1.548%	n/a
%RSD		0.211	0.299	0.000	0.843	1.099	0.341	1.839	3.519
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:30:07	96.040	97.670	477.000	24660.000	24200.000	97.890	96.950	99.850
2	22:30:49	98.810	98.020	482.700	24310.000	24480.000	99.220	99.350	100.100
3	22:31:31	97.950	98.000	479.900	23920.000	24160.000	98.370	101.400	99.180
X		97.601%	97.895%	95.975%	97.194%	97.118%	98.494%	99.228%	99.694%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		1.457	0.203	0.592	1.521	0.707	0.685	2.237	0.463
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:30:07	99.400	101.800	100.100	99.590	97.070	96.810	0.000	97.480
2	22:30:49	100.100	99.080	104.700	99.230	96.310	98.200	0.000	97.750
3	22:31:31	97.780	100.800	99.390	99.580	106.300	103.100	0.000	96.720
X		99.092%	100.569%	101.411%	99.465%	99.891%	99.375%	0.000	97.315%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		1.202	1.379	2.839	0.209	5.566	3.337	0.000	0.548
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:30:07	82.846%	98.190	99.240	81.251%	96.560	98.100	96.480	96.180
2	22:30:49	84.581%	99.030	99.730	84.005%	98.660	98.740	96.620	97.810
3	22:31:31	86.919%	102.400	102.500	85.015%	97.780	97.790	97.680	96.510
X		84.782%	99.889%	100.474%	83.424%	97.665%	98.208%	96.927%	96.837%
σ		2.044%	n/a	n/a	1.948%	n/a	n/a	n/a	n/a
%RSD		2.411	2.259	1.724	2.335	1.078	0.496	0.679	0.890
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:30:07	83.430%	98.710	98.890	99.040	98.540	98.080	87.071%	88.299%
2	22:30:49	85.851%	100.100	99.400	100.800	99.250	98.170	89.843%	92.217%
3	22:31:31	88.624%	98.770	100.000	98.300	96.110	97.870	92.751%	93.332%
X		85.969%	99.189%	99.443%	99.394%	97.964%	98.044%	89.889%	91.283%
σ		2.599%	n/a	n/a	n/a	n/a	n/a	2.841%	2.643%
%RSD		3.023	0.791	0.585	1.320	1.679	0.157	3.160	2.896
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	22:30:07	98.090	97.360	97.800	97.580	97.470	87.137%		
2	22:30:49	98.020	97.920	99.510	97.390	98.490	90.501%		
3	22:31:31	99.320	98.760	98.870	99.380	99.070	91.855%		
X		98.477%	98.014%	98.728%	98.116%	98.343%	89.831%		
σ		n/a	n/a	n/a	n/a	n/a	2.429%		
%RSD		0.742	0.720	0.878	1.124	0.823	2.704		

CCB7 12/29/2012 10:36:33 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:37:15	85.953%	-0.031	2.300	2.996	0.000	-22.080	20.160	20.320
2	22:37:57	85.306%	-0.031	1.936	2.970	0.000	34.410	53.090	47.450
3	22:38:38	86.766%	0.040	4.687	3.392	0.000	7.979	43.450	40.490
X		86.009%	-0.007	2.974	3.119	0.000	6.770	38.900	36.090
σ		0.732%	0.041	1.495	0.236	0.000	28.260	16.930	14.090
%RSD		0.851	557.900	50.250	7.577	0.000	417.500	43.530	39.040
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:37:15	-1.665	4.548	0.000	21.600	23.190	46.340	86.041%	0.215
2	22:37:57	1.963	7.640	0.000	46.050	143.100	108.300	86.293%	0.394
3	22:38:38	0.726	5.406	0.000	31.390	81.300	88.630	85.368%	0.217
X		0.341	5.865	0.000	33.010	82.530	81.110	85.901%	0.275
σ		1.844	1.596	0.000	12.310	59.970	31.680	0.478%	0.103
%RSD		540.500	27.220	0.000	37.270	72.670	39.060	0.557	37.440
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:37:15	0.088	0.016	0.342	30.540	38.240	0.032	0.129	0.152
2	22:37:57	0.145	0.073	0.825	39.750	52.440	0.093	0.187	0.208
3	22:38:38	0.088	0.088	0.709	34.270	42.390	0.102	0.089	0.214
X		0.107	0.059	0.625	34.850	44.360	0.075	0.135	0.191
σ		0.033	0.038	0.252	4.630	7.300	0.038	0.049	0.034
%RSD		30.810	64.660	40.350	13.290	16.460	50.030	36.370	17.630
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:37:15	0.237	0.390	0.410	0.138	0.705	0.950	0.000	0.514
2	22:37:57	0.133	0.541	0.809	-0.020	-0.929	0.004	0.000	1.131
3	22:38:38	0.300	0.777	0.423	-0.128	-1.473	-1.265	0.000	0.833
X		0.223	0.569	0.547	-0.004	-0.566	-0.104	0.000	0.826
σ		0.084	0.195	0.227	0.133	1.134	1.111	0.000	0.309
%RSD		37.620	34.210	41.420	3793.000	200.500	1073.000	0.000	37.380
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:37:15	85.064%	0.210	0.366	86.085%	0.016	0.046	0.092	-0.004
2	22:37:57	85.895%	0.391	0.420	87.026%	0.051	0.065	0.216	0.108
3	22:38:38	85.104%	0.419	0.315	87.108%	0.042	0.045	0.102	0.021
X		85.355%	0.340	0.367	86.740%	0.036	0.052	0.137	0.042
σ		0.469%	0.114	0.052	0.568%	0.018	0.011	0.069	0.059
%RSD		0.549	33.450	14.230	0.655	50.210	20.920	50.120	142.200
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:37:15	85.320%	1.319	0.216	0.274	0.295	0.147	86.170%	87.538%
2	22:37:57	86.511%	1.426	0.266	0.226	0.569	0.668	87.498%	88.182%
3	22:38:38	87.062%	1.290	0.201	0.211	0.562	0.439	88.602%	88.548%
X		86.298%	1.345	0.228	0.237	0.475	0.418	87.423%	88.089%
σ		0.891%	0.072	0.034	0.033	0.156	0.261	1.218%	0.511%
%RSD		1.032	5.339	15.030	13.890	32.840	62.430	1.393	0.580
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	22:37:15	0.048	0.056	0.052	0.087	0.063	89.583%		
2	22:37:57	0.075	0.102	0.065	0.090	0.085	90.393%		
3	22:38:38	0.064	0.059	0.061	0.078	0.068	90.474%		
X		0.062	0.072	0.059	0.085	0.072	90.150%		
σ		0.014	0.026	0.007	0.006	0.012	0.493%		
%RSD		21.810	35.460	11.160	7.120	16.070	0.547		

180-17219-A-10-A 12/29/2012 10:40:52 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	22:41:33	78.977%	0.008	108.500	110.600	0.000	68940.000	10590.000	10570.000
2	22:42:15	80.452%	0.007	113.000	108.400	0.000	67960.000	10500.000	10520.000
3	22:42:56	81.386%	-0.031	107.600	110.700	0.000	67420.000	10430.000	10510.000
X		80.271%	-0.005	109.700	109.900	0.000	68110.000	10500.000	10530.000
σ		1.215%	0.022	2.914	1.283	0.000	774.300	79.500	35.100
%RSD		1.513	423.500	2.656	1.167	0.000	1.137	0.757	0.333
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:41:33	258.800	9569.000	0.000	10950.000	74130.000	74550.000	78.608%	13.190
2	22:42:15	258.800	9579.000	0.000	10820.000	74650.000	74590.000	79.362%	14.690
3	22:42:56	264.100	9484.000	0.000	10750.000	70360.000	74490.000	79.840%	12.190
X		260.600	9544.000	0.000	10840.000	73050.000	74540.000	79.270%	13.360
σ		3.064	51.870	0.000	101.500	2342.000	51.080	0.621%	1.258
%RSD		1.176	0.543	0.000	0.936	3.206	0.069	0.783	9.414
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:41:33	3.651	2.128	155.500	820.900	1098.000	0.587	1.543	10.000
2	22:42:15	3.720	1.903	156.300	822.900	1113.000	0.472	1.187	9.947
3	22:42:56	3.717	2.069	156.900	818.000	1090.000	0.561	1.532	10.310
X		3.696	2.033	156.200	820.600	1100.000	0.540	1.421	10.090
σ		0.039	0.116	0.713	2.497	11.440	0.060	0.202	0.195
%RSD		1.065	5.721	0.456	0.304	1.040	11.140	14.240	1.934
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:41:33	9.823	39.080	38.400	2.740	-0.517	0.910	0.000	466.500
2	22:42:15	9.770	40.490	40.160	3.139	-0.577	1.909	0.000	469.200
3	22:42:56	10.490	39.930	39.570	3.084	-1.101	-0.547	0.000	469.300
X		10.030	39.830	39.380	2.987	-0.732	0.757	0.000	468.300
σ		0.401	0.714	0.894	0.216	0.322	1.236	0.000	1.591
%RSD		3.995	1.791	2.271	7.239	43.960	163.100	0.000	0.340
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:41:33	78.975%	2.803	2.719	76.962%	0.008	-0.002	0.199	0.052
2	22:42:15	80.503%	2.999	2.652	78.498%	-0.002	-0.002	0.028	0.035
3	22:42:56	81.624%	2.934	2.688	79.166%	0.003	-0.002	0.003	-0.044
X		80.367%	2.912	2.686	78.209%	0.003	-0.002	0.077	0.015
σ		1.330%	0.100	0.033	1.130%	0.005	0.000	0.107	0.051
%RSD		1.654	3.433	1.243	1.445	152.800	5.609	139.100	351.000
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:41:33	79.465%	1.891	1.079	1.131	56.920	59.170	84.357%	85.087%
2	22:42:15	81.522%	2.088	1.102	1.068	58.640	60.500	86.739%	87.332%
3	22:42:56	83.291%	1.790	1.128	1.004	58.000	58.520	86.351%	88.885%
X		81.426%	1.923	1.103	1.067	57.850	59.400	85.816%	87.101%
σ		1.915%	0.152	0.024	0.064	0.870	1.007	1.278%	1.909%
%RSD		2.352	7.884	2.219	5.952	1.504	1.696	1.489	2.192
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	22:41:33	0.010	0.017	2.132	2.040	2.114	87.042%		
2	22:42:15	0.010	0.012	2.199	2.231	2.183	87.755%		
3	22:42:56	0.012	0.017	2.187	2.290	2.164	88.295%		
X		0.011	0.015	2.173	2.187	2.154	87.698%		
σ		0.001	0.003	0.036	0.131	0.035	0.628%		
%RSD		13.380	17.640	1.639	5.973	1.647	0.717		

180-17219-A-11-A 12/29/2012 10:45:08 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	22:45:49	84.522%	-0.031	82.970	90.000	0.000	53710.000	22140.000	22270.000
2	22:46:31	85.132%	-0.031	89.990	90.570	0.000	53900.000	22480.000	22510.000
3	22:47:12	85.908%	-0.031	85.750	87.200	0.000	53620.000	22550.000	22550.000
X		85.187%	-0.031	86.240	89.260	0.000	53740.000	22390.000	22440.000
σ		0.695%	0.000	3.539	1.804	0.000	139.500	218.400	155.300
%RSD		0.816	0.000	4.104	2.021	0.000	0.260	0.976	0.692
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:45:49	2.395	6257.000	0.000	3290.000	75340.000	74530.000	85.188%	3.206
2	22:46:31	2.473	6301.000	0.000	3316.000	75530.000	75030.000	86.885%	2.482
3	22:47:12	2.077	6340.000	0.000	3342.000	75620.000	75170.000	87.373%	2.705
X		2.315	6299.000	0.000	3316.000	75500.000	74910.000	86.482%	2.798
σ		0.210	41.610	0.000	26.400	146.600	338.200	1.147%	0.371
%RSD		9.071	0.661	0.000	0.796	0.194	0.451	1.326	13.250
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:45:49	0.981	0.230	762.700	89660.000	89240.000	0.241	1.322	0.630
2	22:46:31	0.828	0.228	765.100	88320.000	89950.000	0.196	1.175	0.622
3	22:47:12	0.918	0.202	768.500	88530.000	90650.000	0.229	1.162	0.721
X		0.909	0.220	765.400	88840.000	89950.000	0.222	1.220	0.658
σ		0.077	0.016	2.946	721.100	704.400	0.023	0.089	0.055
%RSD		8.472	7.200	0.385	0.812	0.783	10.310	7.305	8.348
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:45:49	0.730	7.843	8.034	13.250	-0.647	-0.517	0.000	394.200
2	22:46:31	0.525	8.235	9.323	12.860	-1.316	0.437	0.000	393.500
3	22:47:12	0.500	8.420	8.486	13.830	1.561	0.504	0.000	398.800
X		0.585	8.166	8.614	13.310	-0.134	0.141	0.000	395.500
σ		0.126	0.294	0.654	0.488	1.505	0.571	0.000	2.903
%RSD		21.620	3.606	7.593	3.662	1124.000	403.800	0.000	0.734
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:45:49	84.480%	0.131	0.251	82.671%	0.007	0.018	0.072	0.017
2	22:46:31	87.546%	0.003	0.154	86.159%	0.002	-0.007	0.005	0.037
3	22:47:12	88.199%	-0.024	0.053	86.884%	-0.002	0.002	-0.049	-0.107
X		86.742%	0.037	0.153	85.238%	0.003	0.004	0.009	-0.017
σ		1.986%	0.083	0.099	2.252%	0.005	0.013	0.061	0.078
%RSD		2.289	224.500	64.920	2.642	183.900	281.100	666.000	447.300
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:45:49	84.905%	2.809	0.355	0.357	123.600	123.200	88.608%	90.103%
2	22:46:31	87.209%	3.204	0.413	0.278	122.500	125.400	91.367%	92.888%
3	22:47:12	89.025%	3.203	0.370	0.332	123.000	123.800	93.749%	93.855%
X		87.046%	3.072	0.379	0.322	123.000	124.100	91.241%	92.282%
σ		2.065%	0.228	0.030	0.040	0.533	1.145	2.573%	1.948%
%RSD		2.372	7.417	7.858	12.520	0.434	0.922	2.820	2.111
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	22:45:49	0.009	-0.003	0.420	0.439	0.433	90.291%		
2	22:46:31	0.005	0.009	0.378	0.430	0.427	92.782%		
3	22:47:12	-0.003	0.006	0.442	0.387	0.427	93.109%		
X		0.004	0.004	0.413	0.419	0.429	92.061%		
σ		0.006	0.007	0.032	0.027	0.003	1.542%		
%RSD		167.400	159.300	7.849	6.568	0.762	1.675		

180-17219-A-13-A 12/29/2012 10:49:23 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	22:50:05	90.229%	-0.031	1.895	3.114	0.000	-55.490	-0.114	0.727
2	22:50:47	91.357%	-0.031	3.301	2.263	0.000	-56.250	-0.429	-0.095
3	22:51:28	92.725%	-0.031	3.715	2.452	0.000	-49.410	0.517	0.894
X		91.437%	-0.031	2.970	2.610	0.000	-53.710	-0.009	0.509
σ		1.250%	0.000	0.954	0.447	0.000	3.751	0.482	0.529
%RSD		1.367	0.000	32.120	17.130	0.000	6.983	5534.000	104.000
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:50:05	-4.480	17.980	0.000	-0.427	6.875	10.660	91.567%	0.083
2	22:50:47	-4.377	16.540	0.000	-1.180	16.460	11.270	92.724%	-0.031
3	22:51:28	-4.508	15.080	0.000	2.286	30.830	12.590	93.243%	0.080
X		-4.455	16.530	0.000	0.226	18.060	11.500	92.511%	0.044
σ		0.069	1.452	0.000	1.823	12.060	0.987	0.858%	0.065
%RSD		1.554	8.785	0.000	806.000	66.770	8.580	0.927	148.700
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:50:05	-0.062	-0.149	0.036	108.500	130.300	-0.018	0.043	0.272
2	22:50:47	-0.068	-0.199	0.016	42.400	58.430	-0.026	0.078	0.253
3	22:51:28	-0.051	-0.096	0.059	26.290	30.870	-0.005	0.096	0.222
X		-0.060	-0.148	0.037	59.060	73.210	-0.016	0.072	0.249
σ		0.008	0.052	0.022	43.560	51.350	0.011	0.027	0.025
%RSD		13.670	34.860	59.340	73.750	70.140	65.260	37.390	10.140
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:50:05	0.485	3.371	3.926	-0.313	-1.126	-1.365	0.000	0.017
2	22:50:47	0.455	3.702	4.150	-0.181	-0.864	-0.663	0.000	0.020
3	22:51:28	0.320	4.164	3.648	-0.209	-1.098	-0.257	0.000	0.044
X		0.420	3.746	3.908	-0.234	-1.029	-0.762	0.000	0.027
σ		0.088	0.399	0.252	0.070	0.144	0.561	0.000	0.015
%RSD		20.870	10.640	6.434	29.700	13.960	73.610	0.000	56.330
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:50:05	91.690%	-0.225	-0.103	93.565%	-0.002	-0.002	-0.028	-0.101
2	22:50:47	93.520%	-0.204	-0.127	94.856%	0.002	0.011	-0.009	-0.070
3	22:51:28	94.315%	-0.182	-0.121	95.552%	0.014	0.002	0.028	-0.028
X		93.175%	-0.204	-0.117	94.658%	0.004	0.003	-0.003	-0.066
σ		1.346%	0.021	0.013	1.008%	0.008	0.007	0.028	0.037
%RSD		1.444	10.560	10.770	1.065	192.400	203.600	1049.000	55.190
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:50:05	92.144%	0.802	0.143	0.115	-0.070	-0.009	93.505%	93.876%
2	22:50:47	93.981%	0.265	0.140	0.095	-0.047	0.018	94.457%	95.132%
3	22:51:28	95.757%	0.438	0.128	0.099	-0.025	0.044	95.551%	95.890%
X		93.961%	0.502	0.137	0.103	-0.047	0.017	94.504%	94.966%
σ		1.807%	0.274	0.008	0.011	0.022	0.026	1.024%	1.017%
%RSD		1.923	54.630	5.687	10.410	47.450	152.200	1.083	1.071
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	22:50:05	0.007	0.000	0.006	0.011	0.015	95.195%		
2	22:50:47	-0.001	-0.006	-0.007	0.004	0.005	96.376%		
3	22:51:28	-0.006	0.007	0.011	0.007	0.010	97.104%		
X		-0.000	0.000	0.003	0.007	0.010	96.225%		
σ		0.007	0.007	0.010	0.004	0.005	0.963%		
%RSD		9076.000	1722.000	298.500	53.030	48.860	1.001		

180-17219-A-14-A 12/29/2012 10:53:41 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:54:22	92.140%	-0.031	1.600	2.242	0.000	78.480	9.583	9.609
2	22:55:04	91.851%	-0.031	1.607	1.921	0.000	79.320	10.220	8.653
3	22:55:46	92.356%	-0.031	2.786	2.072	0.000	80.430	7.688	9.455
X		92.116%	-0.031	1.998	2.078	0.000	79.410	9.164	9.239
σ		0.254%	0.000	0.683	0.161	0.000	0.980	1.318	0.513
%RSD		0.275	0.000	34.180	7.723	0.000	1.234	14.380	5.554
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:54:22	-0.787	17.440	0.000	32.970	241.200	213.900	92.147%	0.307
2	22:55:04	-0.160	19.340	0.000	32.880	148.200	205.600	92.325%	0.532
3	22:55:46	-0.729	18.150	0.000	33.980	236.600	213.100	91.993%	0.139
X		-0.559	18.310	0.000	33.280	208.700	210.800	92.155%	0.326
σ		0.346	0.959	0.000	0.612	52.450	4.588	0.166%	0.197
%RSD		62.010	5.238	0.000	1.839	25.140	2.176	0.180	60.520
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:54:22	0.037	0.215	0.429	30.970	38.310	-0.004	0.640	0.727
2	22:55:04	-0.024	0.174	0.402	25.630	34.780	0.003	0.716	1.164
3	22:55:46	-0.088	0.169	0.425	23.350	30.180	-0.008	0.905	0.675
X		-0.025	0.186	0.419	26.650	34.420	-0.003	0.754	0.856
σ		0.063	0.025	0.014	3.908	4.077	0.005	0.136	0.269
%RSD		249.300	13.630	3.451	14.670	11.850	179.700	18.090	31.410
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:54:22	0.881	6.764	5.910	-0.184	-0.902	-0.796	0.000	0.325
2	22:55:04	0.843	6.493	6.003	0.048	-1.542	0.267	0.000	0.297
3	22:55:46	1.072	6.887	6.479	-0.205	1.044	-0.447	0.000	0.386
X		0.932	6.715	6.131	-0.114	-0.467	-0.325	0.000	0.336
σ		0.123	0.201	0.305	0.140	1.347	0.542	0.000	0.045
%RSD		13.200	2.998	4.972	123.500	288.600	166.700	0.000	13.520
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:54:22	91.113%	-0.083	-0.093	91.873%	-0.002	-0.002	0.159	0.060
2	22:55:04	90.875%	0.104	-0.043	92.462%	-0.006	0.007	0.013	-0.002
3	22:55:46	90.810%	-0.130	-0.129	92.627%	0.002	-0.007	0.150	0.082
X		90.933%	-0.036	-0.088	92.321%	-0.002	-0.001	0.107	0.047
σ		0.159%	0.124	0.043	0.397%	0.004	0.007	0.082	0.044
%RSD		0.175	341.900	48.850	0.430	181.900	740.000	76.110	93.550
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:54:22	91.080%	1.328	0.113	0.111	0.174	0.249	91.115%	92.000%
2	22:55:04	91.505%	1.555	0.130	0.105	0.172	0.119	91.918%	92.856%
3	22:55:46	91.509%	1.290	0.139	0.086	0.026	0.104	93.615%	92.779%
X		91.365%	1.391	0.127	0.101	0.124	0.157	92.216%	92.545%
σ		0.247%	0.143	0.014	0.013	0.085	0.080	1.276%	0.473%
%RSD		0.270	10.310	10.680	12.870	68.360	50.800	1.384	0.512
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	22:54:22	0.002	0.001	0.042	0.093	0.085	93.914%		
2	22:55:04	-0.003	0.000	0.077	0.070	0.094	94.501%		
3	22:55:46	-0.014	-0.003	0.081	0.056	0.079	93.623%		
X		-0.005	-0.001	0.067	0.073	0.086	94.013%		
σ		0.008	0.002	0.022	0.019	0.008	0.447%		
%RSD		164.700	316.800	32.340	25.350	8.926	0.475		

MB 180-58670/1-A

12/29/2012 11:01:31 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	23:02:13	88.555%	-0.031	0.733	0.959	0.000	-59.920	-2.576	-1.941
2	23:02:54	89.436%	-0.031	0.846	0.652	0.000	-56.620	-2.189	-1.839
3	23:03:36	89.057%	-0.031	1.733	1.501	0.000	-52.330	-0.316	0.579
X		89.016%	-0.031	1.104	1.037	0.000	-56.290	-1.694	-1.067
σ		0.442%	0.000	0.548	0.430	0.000	3.805	1.209	1.426
%RSD		0.496	0.000	49.620	41.420	0.000	6.759	71.390	133.600
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:02:13	-4.967	5.901	0.000	24.430	-2.960	-3.463	79.495%	-0.022
2	23:02:54	-5.030	2.611	0.000	24.630	-2.960	-1.969	78.249%	-0.021
3	23:03:36	-4.524	4.617	0.000	24.740	8.600	3.723	77.314%	-0.087
X		-4.840	4.376	0.000	24.600	0.893	-0.570	78.353%	-0.043
σ		0.276	1.658	0.000	0.157	6.674	3.792	1.094%	0.038
%RSD		5.698	37.890	0.000	0.638	747.200	665.800	1.396	87.480
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:02:13	-0.278	0.038	-0.052	3.473	6.571	-0.008	0.121	0.285
2	23:02:54	-0.098	0.039	-0.051	2.331	6.074	-0.020	0.080	0.222
3	23:03:36	-0.880	0.006	0.018	4.249	8.779	-0.007	0.082	0.110
X		-0.419	0.028	-0.029	3.351	7.141	-0.012	0.094	0.205
σ		0.410	0.019	0.040	0.965	1.440	0.007	0.023	0.089
%RSD		97.840	66.600	140.700	28.800	20.160	60.190	24.710	43.230
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:02:13	0.382	0.091	-0.012	0.381	-0.457	-0.458	0.000	-0.048
2	23:02:54	0.129	0.052	0.135	-0.029	-1.637	-0.309	0.000	-0.045
3	23:03:36	0.444	-0.091	-0.071	-0.605	-0.489	0.277	0.000	0.044
X		0.318	0.018	0.017	-0.084	-0.861	-0.164	0.000	-0.016
σ		0.167	0.096	0.106	0.495	0.672	0.388	0.000	0.052
%RSD		52.350	546.300	617.600	587.600	78.090	237.300	0.000	323.200
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:02:13	80.531%	-0.251	-0.178	80.724%	-0.006	-0.007	0.107	0.012
2	23:02:54	79.183%	-0.210	-0.177	80.507%	-0.002	0.008	-0.178	-0.197
3	23:03:36	78.602%	-0.128	-0.143	79.508%	-0.002	0.003	-0.090	-0.018
X		79.438%	-0.196	-0.166	80.246%	-0.003	0.002	-0.054	-0.068
σ		0.990%	0.063	0.020	0.649%	0.003	0.008	0.146	0.113
%RSD		1.246	32.090	12.150	0.808	83.950	488.300	271.800	166.500
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:02:13	81.352%	5.481	0.066	0.081	-0.064	-0.034	84.814%	85.368%
2	23:02:54	81.769%	4.233	0.086	0.034	-0.037	-0.050	83.621%	84.896%
3	23:03:36	81.255%	4.425	0.092	0.074	0.097	-0.002	83.673%	84.836%
X		81.459%	4.713	0.081	0.063	-0.001	-0.029	84.036%	85.033%
σ		0.273%	0.672	0.014	0.025	0.086	0.024	0.675%	0.292%
%RSD		0.335	14.260	17.000	40.330	7183.000	84.690	0.803	0.343
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	23:02:13	-0.008	-0.008	0.008	-0.017	-0.000	89.708%		
2	23:02:54	0.007	0.002	-0.009	-0.001	-0.001	87.362%		
3	23:03:36	-0.004	-0.001	-0.005	0.019	0.000	86.619%		
X		-0.002	-0.002	-0.002	-0.000	-0.000	87.896%		
σ		0.008	0.005	0.009	0.018	0.001	1.613%		
%RSD		436.000	211.600	410.500	120000.000	240.800	1.835		

LCS 180-58670/2-A

12/29/2012 11:05:49 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:06:31	93.104%	51.460	1009.000	958.100	0.000	44830.000	38610.000	39060.000
2	23:07:13	96.731%	49.570	1012.000	964.000	0.000	43940.000	38850.000	39000.000
3	23:07:54	97.636%	51.400	1007.000	963.000	0.000	43850.000	38900.000	39070.000
X		95.824%	50.810	1010.000	961.700	0.000	44210.000	38790.000	39040.000
σ		2.398%	1.074	2.564	3.172	0.000	545.300	154.700	36.800
%RSD		2.503	2.114	0.254	0.330	0.000	1.234	0.399	0.094
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:06:31	1742.000	8821.000	0.000	47030.000	46630.000	46270.000	71.885%	951.200
2	23:07:13	1735.000	8791.000	0.000	46310.000	47190.000	46430.000	73.604%	944.400
3	23:07:54	1738.000	8792.000	0.000	46000.000	46870.000	46430.000	74.444%	940.300
X		1738.000	8801.000	0.000	46440.000	46900.000	46380.000	73.311%	945.300
σ		3.199	17.050	0.000	528.700	282.300	88.550	1.305%	5.490
%RSD		0.184	0.194	0.000	1.138	0.602	0.191	1.780	0.581
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:06:31	477.900	197.800	477.900	818.200	1077.000	480.200	478.300	236.700
2	23:07:13	475.000	198.100	481.800	814.400	1063.000	482.900	472.000	239.500
3	23:07:54	473.400	197.000	481.800	816.400	1081.000	482.800	482.300	237.700
X		475.400	197.600	480.500	816.300	1074.000	482.000	477.500	238.000
σ		2.308	0.586	2.242	1.927	9.368	1.515	5.195	1.415
%RSD		0.485	0.297	0.467	0.236	0.873	0.314	1.088	0.595
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:06:31	232.700	481.200	496.100	35.430	11.630	7.704	0.000	945.600
2	23:07:13	238.600	486.900	489.100	37.550	8.502	9.950	0.000	950.500
3	23:07:54	239.800	493.900	491.600	35.550	7.351	7.180	0.000	958.600
X		237.000	487.300	492.300	36.180	9.162	8.278	0.000	951.600
σ		3.788	6.362	3.556	1.191	2.216	1.471	0.000	6.549
%RSD		1.598	1.306	0.723	3.293	24.180	17.770	0.000	0.688
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:06:31	72.262%	987.800	997.600	70.232%	48.970	48.670	49.200	41.650
2	23:07:13	74.856%	990.800	999.200	73.241%	49.280	47.440	51.070	40.420
3	23:07:54	75.432%	997.900	1004.000	74.519%	49.170	47.280	49.030	40.560
X		74.183%	992.200	1000.000	72.664%	49.140	47.800	49.770	40.880
σ		1.688%	5.177	3.186	2.201%	0.157	0.762	1.133	0.673
%RSD		2.276	0.522	0.319	3.029	0.318	1.594	2.276	1.646
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:06:31	74.037%	1952.000	484.000	481.600	1905.000	1892.000	80.512%	81.779%
2	23:07:13	77.125%	1963.000	487.900	482.600	1901.000	1903.000	83.837%	85.628%
3	23:07:54	79.687%	1921.000	482.700	484.600	1895.000	1876.000	85.797%	86.995%
X		76.950%	1946.000	484.900	483.000	1900.000	1890.000	83.382%	84.801%
σ		2.829%	21.670	2.669	1.533	5.230	13.240	2.672%	2.704%
%RSD		3.677	1.114	0.550	0.317	0.275	0.701	3.205	3.189
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	23:06:31	48.140	47.950	20.380	20.180	20.330	79.853%		
2	23:07:13	48.640	48.610	20.260	19.670	20.180	83.646%		
3	23:07:54	49.510	48.320	20.210	20.420	20.080	86.288%		
X		48.760	48.290	20.280	20.090	20.190	83.262%		
σ		0.691	0.329	0.085	0.384	0.127	3.235%		
%RSD		1.417	0.681	0.417	1.910	0.628	3.885		

180-17219-A-15-A 12/29/2012 11:10:07 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	23:10:49	100.670%	-0.031	92.100	85.770	0.000	103500.000	34270.000	34650.000
2	23:11:31	104.042%	-0.001	86.760	88.360	0.000	102400.000	34510.000	34840.000
3	23:12:12	107.332%	-0.031	95.710	86.290	0.000	101600.000	34410.000	34550.000
X		104.014%	-0.021	91.520	86.810	0.000	102500.000	34390.000	34680.000
σ		3.331%	0.017	4.502	1.371	0.000	974.500	119.300	145.300
%RSD		3.202	83.750	4.919	1.579	0.000	0.951	0.347	0.419
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:10:49	-1.952	6234.000	0.000	10220.000	124200.000	124600.000	76.795%	2.009
2	23:11:31	-2.783	6261.000	0.000	10200.000	125400.000	126000.000	78.050%	1.775
3	23:12:12	-3.261	6242.000	0.000	10140.000	132000.000	126100.000	78.677%	1.959
X		-2.665	6246.000	0.000	10190.000	127200.000	125600.000	77.841%	1.914
σ		0.663	13.510	0.000	43.300	4181.000	859.900	0.959%	0.123
%RSD		24.860	0.216	0.000	0.425	3.286	0.685	1.232	6.446
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:10:49	-9.172	2.149	71.920	886.700	1253.000	0.423	1.238	2.011
2	23:11:31	-9.851	2.303	73.050	895.700	1247.000	0.356	1.400	1.714
3	23:12:12	-11.550	2.457	72.650	894.800	1240.000	0.370	1.627	1.874
X		-10.190	2.303	72.540	892.400	1247.000	0.383	1.422	1.866
σ		1.224	0.154	0.574	4.963	6.517	0.036	0.196	0.148
%RSD		12.010	6.698	0.792	0.556	0.523	9.307	13.760	7.949
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:10:49	2.188	10.900	12.250	-1.456	9.166	7.980	0.000	437.100
2	23:11:31	2.552	10.990	11.790	0.604	6.581	7.114	0.000	437.800
3	23:12:12	2.014	12.380	11.860	2.049	5.691	6.610	0.000	436.800
X		2.251	11.420	11.970	0.399	7.146	7.235	0.000	437.200
σ		0.275	0.829	0.245	1.762	1.805	0.693	0.000	0.502
%RSD		12.200	7.258	2.050	441.600	25.260	9.576	0.000	0.115
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:10:49	76.690%	3.599	3.295	73.688%	0.004	-0.002	-0.113	-0.218
2	23:11:31	78.999%	1.991	2.250	75.939%	-0.002	0.004	-0.009	-0.191
3	23:12:12	78.990%	1.544	1.246	76.377%	0.003	0.009	-0.114	-0.166
X		78.226%	2.378	2.264	75.334%	0.002	0.004	-0.079	-0.191
σ		1.331%	1.081	1.024	1.443%	0.003	0.005	0.060	0.026
%RSD		1.701	45.460	45.250	1.915	158.800	142.800	76.270	13.640
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:10:49	78.994%	16.360	0.344	0.342	10.030	11.100	86.131%	86.416%
2	23:11:31	82.383%	12.520	0.294	0.223	10.530	10.300	87.983%	89.494%
3	23:12:12	82.099%	10.600	0.233	0.210	9.727	10.570	88.328%	90.159%
X		81.159%	13.160	0.290	0.259	10.100	10.660	87.481%	88.690%
σ		1.880%	2.932	0.055	0.073	0.407	0.404	1.181%	1.997%
%RSD		2.317	22.280	19.060	28.100	4.029	3.794	1.350	2.251
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	23:10:49	0.375	0.441	0.070	0.105	0.084	81.970%		
2	23:11:31	0.289	0.260	0.097	0.047	0.087	86.487%		
3	23:12:12	0.203	0.216	0.073	0.059	0.084	86.067%		
X		0.289	0.305	0.080	0.070	0.085	84.841%		
σ		0.086	0.119	0.015	0.031	0.002	2.496%		
%RSD		29.680	39.040	18.510	43.930	2.192	2.942		

180-17219-A-16-A 12/29/2012 11:14:26 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	23:15:07	88.659%	0.004	46.630	47.510	0.000	62500.000	35930.000	36160.000
2	23:15:49	89.125%	-0.031	47.910	48.810	0.000	62060.000	36070.000	36110.000
3	23:16:31	88.700%	-0.031	47.750	50.270	0.000	61600.000	35920.000	36070.000
X		88.828%	-0.019	47.430	48.860	0.000	62050.000	35980.000	36110.000
σ		0.258%	0.020	0.694	1.384	0.000	452.700	83.920	41.110
%RSD		0.291	106.800	1.464	2.832	0.000	0.730	0.233	0.114
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:15:07	4.161	9331.000	0.000	1542.000	39600.000	38840.000	68.573%	2.183
2	23:15:49	3.786	9315.000	0.000	1537.000	40220.000	38950.000	68.962%	2.696
3	23:16:31	3.788	9273.000	0.000	1535.000	39770.000	39020.000	68.729%	1.724
X		3.912	9306.000	0.000	1538.000	39860.000	38940.000	68.755%	2.201
σ		0.216	30.100	0.000	3.545	319.800	95.640	0.196%	0.486
%RSD		5.518	0.323	0.000	0.230	0.802	0.246	0.284	22.090
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:15:07	-4.085	0.734	432.900	24610.000	24750.000	0.827	0.807	1.786
2	23:15:49	-5.107	0.798	435.400	24360.000	24730.000	0.762	0.370	2.204
3	23:16:31	-5.965	0.692	432.200	24190.000	24700.000	0.722	0.451	2.221
X		-5.053	0.741	433.500	24380.000	24730.000	0.770	0.543	2.070
σ		0.941	0.054	1.663	211.900	22.070	0.053	0.233	0.246
%RSD		18.630	7.217	0.384	0.869	0.089	6.934	42.880	11.900
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:15:07	1.616	6.586	6.586	4.193	-1.146	0.359	0.000	301.700
2	23:15:49	1.518	5.863	6.428	1.019	-0.083	-0.891	0.000	299.400
3	23:16:31	1.720	6.206	5.600	3.200	-0.636	-0.477	0.000	301.500
X		1.618	6.218	6.205	2.804	-0.622	-0.336	0.000	300.800
σ		0.101	0.362	0.529	1.623	0.532	0.636	0.000	1.265
%RSD		6.243	5.813	8.533	57.900	85.550	189.300	0.000	0.421
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:15:07	69.427%	1.839	1.982	68.904%	0.010	-0.001	0.045	-0.139
2	23:15:49	70.898%	1.843	2.098	70.120%	0.004	-0.001	0.028	-0.072
3	23:16:31	70.871%	1.918	1.630	70.197%	0.010	-0.007	0.023	-0.061
X		70.399%	1.866	1.903	69.740%	0.008	-0.003	0.032	-0.090
σ		0.842%	0.045	0.244	0.725%	0.003	0.003	0.011	0.042
%RSD		1.196	2.401	12.800	1.040	39.940	108.500	35.680	46.570
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:15:07	73.013%	9.741	0.253	0.189	589.200	581.900	78.963%	80.487%
2	23:15:49	74.333%	8.705	0.152	0.134	591.600	581.800	81.543%	82.678%
3	23:16:31	75.049%	8.440	0.173	0.161	593.500	581.900	81.283%	83.346%
X		74.132%	8.962	0.193	0.161	591.400	581.900	80.597%	82.170%
σ		1.033%	0.687	0.053	0.028	2.201	0.051	1.420%	1.495%
%RSD		1.393	7.668	27.690	17.090	0.372	0.009	1.762	1.820
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	23:15:07	0.175	0.123	0.164	0.168	0.164	78.599%		
2	23:15:49	0.117	0.090	0.170	0.155	0.159	80.759%		
3	23:16:31	0.085	0.067	0.149	0.102	0.159	81.798%		
X		0.126	0.093	0.161	0.142	0.161	80.385%		
σ		0.046	0.028	0.011	0.035	0.003	1.632%		
%RSD		36.270	30.330	6.732	24.890	1.695	2.031		

180-17219-A-17-A 12/29/2012 11:18:42 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	23:19:24	92.829%	0.070	81.130	82.390	0.000	40510.000	16300.000	16370.000
2	23:20:06	96.133%	0.067	89.930	83.210	0.000	40380.000	16450.000	16510.000
3	23:20:47	97.209%	0.066	89.090	82.100	0.000	40690.000	16610.000	16640.000
X		95.390%	0.067	86.720	82.570	0.000	40530.000	16450.000	16510.000
σ		2.282%	0.002	4.858	0.574	0.000	156.700	154.000	136.200
%RSD		2.393	3.374	5.602	0.695	0.000	0.387	0.936	0.825
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:19:24	43.940	5063.000	0.000	3976.000	44400.000	43100.000	70.847%	1.303
2	23:20:06	44.860	5076.000	0.000	4028.000	44710.000	43660.000	72.304%	1.633
3	23:20:47	45.150	5117.000	0.000	4038.000	44840.000	43650.000	72.807%	1.763
X		44.650	5085.000	0.000	4014.000	44650.000	43470.000	71.986%	1.567
σ		0.630	28.070	0.000	33.340	227.700	321.800	1.018%	0.237
%RSD		1.411	0.552	0.000	0.831	0.510	0.740	1.414	15.150
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:19:24	-5.891	2.650	16.940	73.340	142.400	0.624	3.878	2.016
2	23:20:06	-4.529	2.990	17.640	65.990	137.900	0.579	2.944	2.162
3	23:20:47	-7.517	3.043	17.930	64.180	137.700	0.551	3.423	2.272
X		-5.979	2.894	17.500	67.840	139.300	0.585	3.415	2.150
σ		1.495	0.214	0.511	4.847	2.650	0.036	0.467	0.128
%RSD		25.010	7.382	2.918	7.145	1.902	6.216	13.680	5.964
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:19:24	1.914	20.540	22.000	-1.097	-0.365	-0.247	0.000	202.800
2	23:20:06	2.105	21.430	23.070	0.468	0.878	0.654	0.000	206.400
3	23:20:47	1.593	20.450	21.460	-0.529	-1.393	-1.154	0.000	204.300
X		1.871	20.800	22.180	-0.386	-0.294	-0.249	0.000	204.500
σ		0.259	0.543	0.819	0.793	1.137	0.904	0.000	1.815
%RSD		13.850	2.608	3.692	205.200	387.400	363.300	0.000	0.887
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:19:24	73.872%	0.155	0.018	71.216%	-0.001	-0.007	0.127	0.052
2	23:20:06	75.285%	-0.129	0.039	72.538%	-0.001	-0.001	0.088	0.091
3	23:20:47	76.421%	0.011	-0.063	73.512%	-0.001	0.004	-0.166	-0.071
X		75.193%	0.012	-0.002	72.422%	-0.001	-0.001	0.016	0.024
σ		1.277%	0.142	0.054	1.153%	0.000	0.005	0.159	0.085
%RSD		1.698	1183.000	3033.000	1.592	7.291	368.900	972.000	355.500
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:19:24	75.592%	5.024	0.050	0.088	78.080	76.030	82.290%	82.510%
2	23:20:06	77.803%	5.821	0.166	0.141	76.470	76.850	83.689%	85.430%
3	23:20:47	78.925%	4.781	0.127	0.097	79.370	78.020	84.677%	86.179%
X		77.440%	5.209	0.114	0.109	77.970	76.970	83.552%	84.706%
σ		1.696%	0.544	0.059	0.028	1.455	1.000	1.199%	1.939%
%RSD		2.190	10.450	52.020	25.720	1.866	1.300	1.435	2.289
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	23:19:24	0.078	0.063	0.107	0.087	0.089	79.871%		
2	23:20:06	0.061	0.055	0.050	0.065	0.073	84.036%		
3	23:20:47	0.064	0.048	0.064	0.090	0.078	83.781%		
X		0.068	0.055	0.074	0.081	0.080	82.563%		
σ		0.009	0.008	0.030	0.014	0.008	2.335%		
%RSD		13.020	14.430	40.310	16.830	10.510	2.828		

180-17219-A-18-A 12/29/2012 11:22:58 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	23:23:40	101.459%	-0.031	115.600	109.900	0.000	269700.000	45060.000	45190.000
2	23:24:21	104.073%	-0.031	117.200	110.500	0.000	266800.000	45500.000	45700.000
3	23:25:03	104.915%	-0.031	119.300	114.800	0.000	265600.000	45530.000	45780.000
X		103.482%	-0.031	117.400	111.700	0.000	267400.000	45360.000	45560.000
σ		1.802%	0.000	1.864	2.710	0.000	2145.000	261.500	322.500
%RSD		1.741	0.000	1.588	2.425	0.000	0.802	0.577	0.708
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:23:40	-3.470	3676.000	0.000	13190.000	200900.000	204700.000	75.984%	0.870
2	23:24:21	-3.941	3680.000	0.000	13070.000	203700.000	208400.000	77.150%	0.720
3	23:25:03	-3.975	3660.000	0.000	12960.000	201800.000	208400.000	77.676%	0.715
X		-3.795	3672.000	0.000	13070.000	202100.000	207200.000	76.937%	0.768
σ		0.282	10.930	0.000	115.300	1407.000	2113.000	0.866%	0.088
%RSD		7.438	0.298	0.000	0.882	0.696	1.020	1.126	11.440
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:23:40	-6.897	2.897	24.520	27.420	284.200	0.235	8.062	3.032
2	23:24:21	-9.042	3.159	25.010	27.790	263.700	0.276	7.925	2.307
3	23:25:03	-8.944	3.201	24.860	28.170	276.800	0.258	8.171	2.185
X		-8.294	3.086	24.790	27.790	274.900	0.256	8.053	2.508
σ		1.211	0.165	0.249	0.377	10.390	0.021	0.123	0.458
%RSD		14.600	5.332	1.003	1.355	3.780	8.154	1.532	18.250
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:23:40	2.196	4.861	5.231	-1.295	0.930	1.254	0.000	764.600
2	23:24:21	2.036	5.401	6.873	0.115	0.944	1.294	0.000	770.000
3	23:25:03	2.446	5.591	5.745	-1.577	1.425	0.806	0.000	772.900
X		2.226	5.284	5.950	-0.919	1.100	1.118	0.000	769.200
σ		0.206	0.379	0.840	0.907	0.282	0.271	0.000	4.193
%RSD		9.272	7.174	14.110	98.670	25.610	24.240	0.000	0.545
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:23:40	75.586%	0.062	0.089	71.047%	0.004	0.004	0.237	0.231
2	23:24:21	77.504%	-0.005	0.087	73.120%	0.004	0.010	0.170	0.094
3	23:25:03	77.806%	0.049	0.188	73.951%	-0.006	-0.002	0.181	0.126
X		76.965%	0.035	0.121	72.706%	0.000	0.004	0.196	0.150
σ		1.204%	0.036	0.058	1.496%	0.006	0.006	0.036	0.072
%RSD		1.565	101.100	47.890	2.057	1256.000	134.800	18.330	47.780
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:23:40	76.634%	5.320	0.092	0.101	246.300	241.000	83.533%	83.952%
2	23:24:21	78.316%	5.761	0.159	0.077	248.800	245.800	86.318%	86.861%
3	23:25:03	79.062%	5.634	0.083	0.069	248.200	246.700	87.249%	88.884%
X		78.004%	5.572	0.112	0.082	247.700	244.500	85.700%	86.566%
σ		1.243%	0.227	0.041	0.016	1.325	3.083	1.933%	2.479%
%RSD		1.594	4.075	37.140	19.940	0.535	1.261	2.256	2.864
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	23:23:40	0.058	0.059	0.040	0.033	0.033	77.417%		
2	23:24:21	0.039	0.037	0.033	0.021	0.034	81.827%		
3	23:25:03	0.032	0.054	0.029	0.012	0.036	82.609%		
X		0.043	0.050	0.034	0.022	0.034	80.618%		
σ		0.013	0.012	0.006	0.010	0.002	2.799%		
%RSD		31.300	23.770	17.100	46.100	4.498	3.472		

CCV 664806 12/29/2012 11:30:04 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:30:45	75.630%	104.500	96.980	92.790	0.000	47810.000	41230.000	41500.000
2	23:31:27	79.028%	102.800	98.820	95.020	0.000	47110.000	41060.000	41260.000
3	23:32:09	79.050%	104.100	88.260	97.770	0.000	47120.000	41490.000	41760.000
x		77.903%	103.793%	94.688%	95.194%	0.000	94.694%	82.517%	83.018%
σ		1.968%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		2.527	0.864	5.957	2.616	0.000	0.838	0.523	0.604
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:30:45	460.300	4821.000	0.000	48280.000	47040.000	47200.000	73.529%	97.780
2	23:31:27	455.900	4854.000	0.000	47870.000	48420.000	47150.000	75.489%	96.370
3	23:32:09	463.300	4864.000	0.000	47820.000	47540.000	47330.000	76.985%	104.000
x		91.968%	96.928%	0.000	95.984%	95.334%	94.455%	75.334%	99.383%
σ		n/a	n/a	0.000	n/a	n/a	n/a	1.734%	n/a
%RSD		0.808	0.470	0.000	0.524	1.460	0.200	2.301	4.088
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:30:45	94.490	96.690	476.600	24450.000	24110.000	98.210	97.460	101.000
2	23:31:27	95.930	98.250	479.600	24290.000	24350.000	99.220	100.800	101.600
3	23:32:09	97.180	98.960	481.500	24260.000	24490.000	98.520	99.670	103.200
x		95.865%	97.964%	95.849%	97.329%	97.255%	98.648%	99.320%	101.922%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		1.404	1.183	0.524	0.415	0.791	0.526	1.728	1.088
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:30:45	100.000	102.300	103.200	99.420	87.740	98.000	0.000	97.360
2	23:31:27	100.400	101.100	102.200	98.150	100.100	97.550	0.000	97.120
3	23:32:09	103.300	100.600	98.550	100.700	97.740	102.000	0.000	96.720
x		101.258%	101.310%	101.305%	99.435%	95.191%	99.169%	0.000	97.070%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		1.785	0.846	2.400	1.298	6.888	2.446	0.000	0.332
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:30:45	74.215%	97.940	98.310	73.337%	97.450	98.300	97.630	97.310
2	23:31:27	76.919%	98.020	102.400	75.987%	97.770	98.720	98.300	96.710
3	23:32:09	78.385%	102.300	101.300	77.765%	98.270	98.620	99.890	97.010
x		76.507%	99.429%	100.686%	75.696%	97.834%	98.547%	98.608%	97.010%
σ		2.115%	n/a	n/a	2.229%	n/a	n/a	n/a	n/a
%RSD		2.765	2.523	2.109	2.944	0.422	0.225	1.180	0.310
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:30:45	76.458%	98.990	98.500	98.360	95.990	96.180	80.706%	80.768%
2	23:31:27	79.218%	99.770	99.350	97.970	97.050	96.740	84.155%	85.215%
3	23:32:09	80.762%	100.300	97.050	97.790	97.850	97.400	85.077%	86.507%
x		78.812%	99.698%	98.304%	98.040%	96.961%	96.772%	83.313%	84.163%
σ		2.180%	n/a	n/a	n/a	n/a	n/a	2.304%	3.011%
%RSD		2.767	0.678	1.184	0.294	0.962	0.634	2.766	3.577
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	23:30:45	101.300	100.800	102.900	102.100	102.600	78.003%		
2	23:31:27	101.100	101.600	102.200	102.000	102.500	81.456%		
3	23:32:09	100.400	100.500	101.600	102.400	101.800	83.386%		
x		100.935%	100.982%	102.219%	102.165%	102.308%	80.948%		
σ		n/a	n/a	n/a	n/a	n/a	2.727%		
%RSD		0.434	0.599	0.649	0.247	0.395	3.369		

CCB8 12/29/2012 11:37:12 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:37:53	89.084%	-0.031	0.838	1.742	0.000	-30.050	21.910	21.630
2	23:38:35	90.198%	0.037	2.904	1.711	0.000	-18.980	26.790	27.520
3	23:39:17	90.701%	0.037	0.073	1.551	0.000	-35.750	20.700	21.330
X		89.994%	0.014	1.271	1.668	0.000	-28.260	23.130	23.490
σ		0.828%	0.039	1.464	0.102	0.000	8.529	3.226	3.491
%RSD		0.920	270.900	115.200	6.128	0.000	30.180	13.950	14.860
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:37:53	-1.821	2.459	0.000	9.968	39.860	47.140	83.805%	0.161
2	23:38:35	-1.014	2.811	0.000	15.260	87.480	55.460	84.284%	0.221
3	23:39:17	-2.083	2.860	0.000	4.170	65.590	49.780	85.051%	0.157
X		-1.639	2.710	0.000	9.801	64.310	50.790	84.380%	0.180
σ		0.557	0.219	0.000	5.549	23.840	4.252	0.628%	0.036
%RSD		33.980	8.074	0.000	56.620	37.070	8.372	0.745	19.960
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:37:53	0.108	0.025	0.356	17.440	27.650	0.050	0.176	0.489
2	23:38:35	0.227	0.018	0.427	16.470	26.690	0.041	0.153	0.534
3	23:39:17	0.078	-0.023	0.377	12.000	20.830	0.049	0.173	0.331
X		0.138	0.007	0.387	15.300	25.060	0.047	0.167	0.451
σ		0.079	0.026	0.036	2.898	3.695	0.005	0.012	0.107
%RSD		57.210	374.900	9.315	18.940	14.750	9.669	7.216	23.650
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:37:53	0.189	0.484	0.335	-0.065	-0.336	-0.015	0.000	0.470
2	23:38:35	0.352	0.503	0.353	-0.280	-0.469	-0.980	0.000	0.752
3	23:39:17	0.432	0.338	0.426	-0.406	-1.652	-1.393	0.000	0.502
X		0.325	0.442	0.372	-0.250	-0.819	-0.796	0.000	0.575
σ		0.124	0.090	0.048	0.173	0.725	0.707	0.000	0.154
%RSD		38.050	20.410	13.040	68.970	88.470	88.840	0.000	26.780
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:37:53	82.568%	0.327	0.314	80.453%	0.065	0.055	0.040	0.045
2	23:38:35	82.878%	0.101	0.158	81.005%	0.051	0.075	-0.009	0.010
3	23:39:17	82.860%	0.179	0.254	81.072%	0.065	0.034	0.094	0.031
X		82.769%	0.202	0.242	80.843%	0.060	0.055	0.042	0.029
σ		0.174%	0.115	0.079	0.340%	0.008	0.021	0.051	0.018
%RSD		0.210	56.680	32.570	0.421	13.850	37.610	123.500	61.090
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:37:53	80.581%	0.292	0.093	0.062	0.182	0.207	82.077%	82.570%
2	23:38:35	81.059%	0.661	0.087	0.061	0.314	0.410	83.257%	84.027%
3	23:39:17	81.364%	0.724	0.050	0.014	0.177	0.219	83.886%	84.408%
X		81.001%	0.559	0.077	0.046	0.224	0.279	83.073%	83.669%
σ		0.395%	0.233	0.023	0.027	0.077	0.114	0.918%	0.970%
%RSD		0.488	41.740	30.240	59.990	34.520	41.010	1.106	1.160
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	23:37:53	0.102	0.095	0.053	0.040	0.044	84.876%		
2	23:38:35	0.054	0.117	0.059	0.043	0.064	85.926%		
3	23:39:17	0.071	0.055	0.044	0.063	0.059	86.670%		
X		0.076	0.089	0.052	0.049	0.056	85.824%		
σ		0.025	0.032	0.007	0.012	0.010	0.901%		
%RSD		32.370	35.380	14.320	25.120	18.510	1.050		

180-17219-A-19-A 12/29/2012 11:41:30 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	23:42:12	92.335%	-0.031	61.450	57.080	0.000	68800.000	15760.000	15760.000
2	23:42:53	95.122%	-0.031	56.540	58.420	0.000	68050.000	15740.000	15750.000
3	23:43:35	96.978%	0.034	57.040	58.670	0.000	67520.000	15720.000	15770.000
X		94.812%	-0.009	58.340	58.050	0.000	68120.000	15740.000	15760.000
σ		2.337%	0.037	2.702	0.857	0.000	640.700	23.050	9.331
%RSD		2.465	405.200	4.630	1.475	0.000	0.940	0.146	0.059
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:42:12	2.978	4546.000	0.000	1306.000	48010.000	47520.000	69.073%	1.491
2	23:42:53	2.571	4531.000	0.000	1316.000	48040.000	47580.000	70.887%	0.864
3	23:43:35	2.913	4516.000	0.000	1319.000	47250.000	47340.000	71.523%	1.292
X		2.821	4531.000	0.000	1314.000	47770.000	47480.000	70.494%	1.216
σ		0.219	14.960	0.000	6.548	444.300	121.900	1.272%	0.320
%RSD		7.748	0.330	0.000	0.498	0.930	0.257	1.804	26.340
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:42:12	-8.171	2.146	13.370	25.490	98.780	0.057	4.875	1.595
2	23:42:53	-6.646	2.450	13.450	20.510	81.650	0.045	4.769	1.583
3	23:43:35	-8.473	2.668	13.480	19.740	85.960	0.072	5.627	1.827
X		-7.763	2.422	13.430	21.920	88.790	0.058	5.090	1.668
σ		0.979	0.262	0.054	3.119	8.913	0.013	0.468	0.137
%RSD		12.610	10.820	0.403	14.230	10.040	23.100	9.191	8.234
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:42:12	1.209	3.312	2.313	1.039	2.236	0.332	0.000	241.700
2	23:42:53	1.357	2.795	2.678	-2.382	0.389	1.077	0.000	239.700
3	23:43:35	2.237	2.401	3.120	-0.444	2.002	0.960	0.000	242.600
X		1.601	2.836	2.703	-0.596	1.542	0.790	0.000	241.400
σ		0.556	0.457	0.404	1.716	1.006	0.401	0.000	1.490
%RSD		34.720	16.110	14.940	288.000	65.220	50.790	0.000	0.617
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:42:12	69.501%	0.370	0.286	67.687%	0.010	0.011	0.134	0.017
2	23:42:53	72.025%	0.257	0.110	69.633%	-0.001	-0.007	0.084	-0.076
3	23:43:35	72.219%	0.072	0.133	70.600%	0.010	-0.001	-0.173	-0.080
X		71.248%	0.233	0.176	69.307%	0.006	0.001	0.015	-0.046
σ		1.517%	0.150	0.096	1.484%	0.006	0.009	0.165	0.055
%RSD		2.129	64.380	54.290	2.141	101.600	998.300	1095.000	118.800
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:42:12	71.671%	9.525	0.118	0.140	115.500	115.300	77.905%	78.345%
2	23:42:53	74.851%	7.653	0.095	0.119	116.800	116.700	80.214%	80.777%
3	23:43:35	74.428%	6.792	0.107	0.076	115.800	114.900	80.939%	82.927%
X		73.650%	7.990	0.107	0.112	116.000	115.600	79.686%	80.683%
σ		1.727%	1.397	0.011	0.033	0.666	0.969	1.584%	2.292%
%RSD		2.344	17.490	10.570	29.350	0.574	0.838	1.988	2.841
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	23:42:12	0.060	0.051	0.046	0.034	0.044	75.702%		
2	23:42:53	0.042	0.043	0.012	0.032	0.023	78.591%		
3	23:43:35	0.012	0.038	0.023	0.009	0.027	80.133%		
X		0.038	0.044	0.027	0.025	0.031	78.142%		
σ		0.024	0.006	0.017	0.014	0.011	2.249%		
%RSD		63.510	14.590	63.400	54.720	35.350	2.878		

180-17219-A-20-A 12/29/2012 11:45:47 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	23:46:28	84.823%	0.006	80.390	74.430	0.000	218600.000	96610.000	96530.000
2	23:47:10	86.774%	0.005	78.430	77.000	0.000	215300.000	95090.000	94920.000
3	23:47:51	88.412%	-0.031	76.440	72.940	0.000	211900.000	93800.000	93930.000
X		86.670%	-0.006	78.420	74.790	0.000	215300.000	95170.000	95130.000
σ		1.797%	0.021	1.974	2.050	0.000	3380.000	1409.000	1310.000
%RSD		2.073	323.500	2.518	2.741	0.000	1.570	1.480	1.378
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:46:28	240.100	10430.000	0.000	21310.000	143000.000	147100.000	65.094%	11.150
2	23:47:10	243.500	10400.000	0.000	21000.000	146900.000	146900.000	66.628%	12.830
3	23:47:51	238.500	10330.000	0.000	20790.000	146300.000	147200.000	67.005%	12.060
X		240.700	10390.000	0.000	21040.000	145400.000	147000.000	66.242%	12.010
σ		2.541	54.640	0.000	261.500	2099.000	134.400	1.012%	0.841
%RSD		1.056	0.526	0.000	1.243	1.444	0.091	1.528	7.003
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:46:28	-2.847	1.240	2826.000	114100.000	116800.000	0.231	0.597	2.966
2	23:47:10	-1.786	1.351	2823.000	112000.000	117100.000	0.321	0.386	3.144
3	23:47:51	-2.648	1.176	2845.000	111500.000	117300.000	0.242	1.167	3.580
X		-2.427	1.256	2831.000	112600.000	117100.000	0.265	0.717	3.230
σ		0.564	0.089	11.500	1376.000	271.900	0.049	0.404	0.316
%RSD		23.230	7.056	0.406	1.223	0.232	18.520	56.360	9.770
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:46:28	2.962	4.784	6.697	1.243	-0.728	-0.609	0.000	833.800
2	23:47:10	2.590	4.888	6.610	1.696	-0.837	0.155	0.000	828.700
3	23:47:51	3.056	5.338	5.563	1.239	-0.427	1.049	0.000	841.000
X		2.869	5.003	6.290	1.393	-0.664	0.199	0.000	834.500
σ		0.247	0.294	0.631	0.263	0.212	0.830	0.000	6.160
%RSD		8.595	5.881	10.030	18.870	31.960	417.600	0.000	0.738
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:46:28	66.931%	0.107	0.012	64.172%	0.017	-0.007	0.028	-0.077
2	23:47:10	69.366%	-0.081	0.012	66.162%	-0.001	-0.007	-0.048	-0.118
3	23:47:51	69.700%	-0.052	0.017	67.440%	0.010	-0.007	-0.051	0.011
X		68.665%	-0.009	0.014	65.924%	0.009	-0.007	-0.024	-0.061
σ		1.511%	0.101	0.003	1.647%	0.009	0.000	0.045	0.066
%RSD		2.201	1161.000	21.630	2.498	102.300	0.000	190.800	107.500
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:46:28	69.565%	5.553	0.152	0.099	467.800	465.700	76.502%	78.720%
2	23:47:10	72.007%	5.581	0.076	0.138	463.900	467.600	80.944%	81.361%
3	23:47:51	74.353%	4.620	0.152	0.141	469.100	469.900	80.755%	82.825%
X		71.975%	5.251	0.127	0.126	466.900	467.700	79.400%	80.969%
σ		2.394%	0.547	0.044	0.024	2.717	2.073	2.512%	2.081%
%RSD		3.326	10.420	34.670	18.860	0.582	0.443	3.164	2.570
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	23:46:28	0.035	0.022	2.008	1.997	2.080	73.901%		
2	23:47:10	0.023	0.011	2.261	2.117	2.138	78.216%		
3	23:47:51	0.032	0.030	2.248	2.203	2.262	79.018%		
X		0.030	0.021	2.172	2.106	2.160	77.045%		
σ		0.006	0.009	0.142	0.104	0.093	2.752%		
%RSD		21.590	45.570	6.547	4.934	4.301	3.572		

180-17219-A-21-A 12/29/2012 11:50:03 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:50:45	87.651%	0.005	121.400	121.600	0.000	94660.000	29040.000	29060.000
2	23:51:26	89.185%	-0.031	122.700	125.400	0.000	93570.000	28990.000	29040.000
3	23:52:08	90.293%	-0.031	125.200	120.100	0.000	93520.000	28830.000	29100.000
X		89.043%	-0.019	123.100	122.300	0.000	93920.000	28960.000	29060.000
σ		1.327%	0.020	1.909	2.764	0.000	642.800	109.200	30.200
%RSD		1.490	108.700	1.551	2.259	0.000	0.685	0.377	0.104
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:50:45	-1.848	6871.000	0.000	4838.000	52860.000	53010.000	68.225%	1.510
2	23:51:26	-2.055	6857.000	0.000	4844.000	53520.000	52950.000	68.984%	1.416
3	23:52:08	-1.221	6882.000	0.000	4869.000	53530.000	53290.000	68.916%	2.093
X		-1.708	6870.000	0.000	4850.000	53310.000	53080.000	68.708%	1.673
σ		0.435	12.520	0.000	16.540	384.700	177.900	0.420%	0.367
%RSD		25.450	0.182	0.000	0.341	0.722	0.335	0.611	21.950
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:50:45	-2.135	0.366	1948.000	46210.000	47060.000	4.121	1.916	2.954
2	23:51:26	-3.715	0.323	1961.000	45730.000	47310.000	4.392	1.870	2.785
3	23:52:08	-3.367	0.570	1960.000	45740.000	47450.000	4.134	1.941	2.826
X		-3.072	0.419	1956.000	45890.000	47270.000	4.216	1.909	2.855
σ		0.830	0.132	7.024	271.800	195.400	0.153	0.036	0.088
%RSD		27.010	31.410	0.359	0.592	0.413	3.631	1.886	3.093
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:50:45	2.696	12.330	10.250	9.001	-1.434	-1.382	0.000	387.900
2	23:51:26	2.491	11.390	13.000	11.320	-0.537	-0.163	0.000	380.300
3	23:52:08	2.656	11.880	12.630	8.056	-2.062	-1.086	0.000	382.500
X		2.614	11.870	11.960	9.458	-1.344	-0.877	0.000	383.500
σ		0.109	0.469	1.490	1.679	0.766	0.636	0.000	3.938
%RSD		4.170	3.952	12.450	17.750	57.010	72.540	0.000	1.027
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:50:45	69.715%	0.022	0.126	69.126%	0.015	-0.001	0.058	-0.016
2	23:51:26	71.864%	0.088	-0.043	71.002%	0.015	0.016	-0.097	-0.050
3	23:52:08	72.322%	0.116	0.094	71.178%	0.004	0.010	0.103	-0.027
X		71.300%	0.075	0.059	70.435%	0.011	0.008	0.021	-0.031
σ		1.392%	0.048	0.089	1.137%	0.006	0.009	0.105	0.017
%RSD		1.952	63.790	151.400	1.614	55.770	105.000	494.600	56.100
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:50:45	73.713%	4.556	0.142	0.165	56.750	57.830	80.298%	81.638%
2	23:51:26	75.508%	4.601	0.272	0.231	55.740	55.850	82.170%	84.659%
3	23:52:08	77.090%	4.654	0.223	0.121	58.090	58.450	83.087%	84.757%
X		75.437%	4.603	0.212	0.172	56.860	57.380	81.852%	83.685%
σ		1.690%	0.049	0.065	0.055	1.181	1.355	1.421%	1.773%
%RSD		2.240	1.064	30.770	32.150	2.077	2.362	1.736	2.119
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	23:50:45	0.022	0.009	0.449	0.471	0.417	79.483%		
2	23:51:26	0.029	0.006	0.394	0.451	0.454	82.671%		
3	23:52:08	0.011	0.018	0.397	0.456	0.414	82.677%		
X		0.021	0.011	0.413	0.459	0.428	81.610%		
σ		0.009	0.006	0.031	0.010	0.022	1.842%		
%RSD		43.440	58.330	7.455	2.183	5.161	2.257		

180-17219-A-22-A 12/29/2012 11:54:20 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	23:55:01	86.138%	0.005	106.100	105.800	0.000	74990.000	23390.000	23360.000
2	23:55:43	89.603%	0.074	104.500	109.700	0.000	74250.000	23340.000	23430.000
3	23:56:25	90.558%	0.004	111.800	108.300	0.000	73350.000	23110.000	23170.000
X		88.766%	0.028	107.500	107.900	0.000	74200.000	23280.000	23320.000
σ		2.326%	0.040	3.843	1.957	0.000	822.500	146.300	135.300
%RSD		2.620	144.400	3.576	1.813	0.000	1.109	0.628	0.580
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:55:01	192.500	7236.000	0.000	2934.000	43720.000	43320.000	66.712%	8.926
2	23:55:43	192.500	7206.000	0.000	2971.000	44460.000	44050.000	67.264%	10.700
3	23:56:25	188.000	7123.000	0.000	2936.000	43470.000	43530.000	67.814%	9.078
X		191.000	7188.000	0.000	2947.000	43890.000	43630.000	67.263%	9.568
σ		2.591	58.220	0.000	20.420	517.200	376.600	0.551%	0.983
%RSD		1.357	0.810	0.000	0.693	1.178	0.863	0.819	10.270
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:55:01	-1.869	1.365	774.000	34520.000	34900.000	0.340	1.914	3.469
2	23:55:43	-1.459	1.259	785.600	34270.000	35140.000	0.346	2.237	4.003
3	23:56:25	-1.121	1.164	780.500	33830.000	34800.000	0.322	2.015	3.861
X		-1.483	1.263	780.000	34210.000	34950.000	0.336	2.055	3.778
σ		0.375	0.100	5.786	347.200	175.900	0.012	0.165	0.277
%RSD		25.250	7.934	0.742	1.015	0.503	3.639	8.036	7.320
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:55:01	3.040	8.119	9.048	16.980	-0.846	-0.983	0.000	278.100
2	23:55:43	3.258	8.421	9.704	18.540	-0.463	-0.991	0.000	281.800
3	23:56:25	3.432	8.818	9.699	16.750	-0.666	-0.684	0.000	279.600
X		3.243	8.453	9.484	17.420	-0.658	-0.886	0.000	279.800
σ		0.196	0.350	0.377	0.972	0.192	0.175	0.000	1.864
%RSD		6.044	4.143	3.978	5.580	29.170	19.710	0.000	0.666
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:55:01	69.612%	0.164	0.167	68.476%	-0.006	-0.007	-0.093	-0.139
2	23:55:43	70.517%	0.202	0.169	69.750%	0.015	-0.007	-0.157	-0.186
3	23:56:25	72.042%	0.178	0.244	70.708%	-0.001	0.004	-0.092	-0.129
X		70.723%	0.181	0.193	69.645%	0.002	-0.003	-0.114	-0.151
σ		1.228%	0.020	0.044	1.120%	0.011	0.007	0.037	0.030
%RSD		1.737	10.760	22.820	1.608	455.000	206.400	32.690	20.050
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:55:01	73.415%	3.826	0.389	0.370	77.380	77.090	80.411%	80.969%
2	23:55:43	75.828%	3.608	0.316	0.309	78.430	75.060	81.322%	82.741%
3	23:56:25	75.800%	3.861	0.287	0.322	77.060	77.090	83.049%	85.197%
X		75.014%	3.765	0.330	0.334	77.620	76.410	81.594%	82.969%
σ		1.385%	0.137	0.052	0.032	0.717	1.170	1.340%	2.123%
%RSD		1.847	3.645	15.840	9.665	0.923	1.531	1.642	2.559
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	23:55:01	0.003	0.014	1.053	1.156	1.120	79.021%		
2	23:55:43	0.009	0.008	1.120	1.064	1.101	81.903%		
3	23:56:25	-0.007	0.015	1.155	1.088	1.143	83.527%		
X		0.002	0.013	1.109	1.103	1.121	81.484%		
σ		0.008	0.004	0.052	0.047	0.021	2.282%		
%RSD		456.300	29.560	4.697	4.304	1.868	2.801		

180-17219-A-23-A 12/29/2012 11:58:37 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	23:59:19	86.598%	0.005	54.320	58.020	0.000	154700.000	74520.000	75150.000
2	00:00:01	89.765%	0.004	55.260	56.510	0.000	150400.000	66180.000	73060.000
3	00:00:43	89.773%	0.004	58.380	55.700	0.000	151000.000	72690.000	73680.000
X		88.712%	0.004	55.980	56.740	0.000	152000.000	71130.000	73960.000
σ		1.831%	0.001	2.125	1.176	0.000	2340.000	4387.000	1074.000
%RSD		2.064	16.050	3.795	2.072	0.000	1.539	6.167	1.452
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:59:19	52.750	9246.000	0.000	5472.000	67130.000	65890.000	68.151%	13.230
2	00:00:01	49.130	9137.000	0.000	5483.000	67610.000	65960.000	69.468%	11.250
3	00:00:43	50.210	9208.000	0.000	5478.000	66080.000	66280.000	69.748%	12.480
X		50.690	9197.000	0.000	5478.000	66940.000	66040.000	69.122%	12.320
σ		1.858	55.580	0.000	5.671	778.700	206.000	0.853%	0.998
%RSD		3.665	0.604	0.000	0.104	1.163	0.312	1.234	8.102
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:59:19	-1.094	1.182	4042.000	48660.000	49790.000	0.319	2.577	5.790
2	00:00:01	0.959	1.133	4036.000	47780.000	49600.000	0.338	2.156	6.448
3	00:00:43	-0.169	1.062	4049.000	47810.000	50100.000	0.399	2.269	6.408
X		-0.101	1.125	4043.000	48090.000	49830.000	0.352	2.334	6.215
σ		1.028	0.060	6.688	500.800	252.300	0.042	0.218	0.369
%RSD		1019.000	5.368	0.165	1.041	0.506	11.900	9.326	5.934
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:59:19	5.474	9.072	11.080	25.510	-0.060	-0.697	0.000	486.300
2	00:00:01	5.836	9.928	10.740	24.870	-0.591	-0.887	0.000	479.800
3	00:00:43	6.077	9.671	9.230	26.020	-0.697	0.359	0.000	489.400
X		5.796	9.557	10.350	25.470	-0.449	-0.409	0.000	485.200
σ		0.304	0.439	0.984	0.579	0.341	0.671	0.000	4.899
%RSD		5.238	4.598	9.508	2.272	75.960	164.300	0.000	1.010
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:59:19	70.648%	0.543	0.758	68.860%	-0.006	0.022	0.018	-0.097
2	00:00:01	73.158%	0.783	0.808	70.940%	0.004	0.004	0.132	0.051
3	00:00:43	72.204%	0.716	0.712	70.876%	-0.001	0.016	-0.160	-0.223
X		72.003%	0.680	0.760	70.225%	-0.001	0.014	-0.003	-0.089
σ		1.267%	0.124	0.048	1.183%	0.005	0.009	0.147	0.137
%RSD		1.760	18.210	6.289	1.684	459.700	63.910	4368.000	153.000
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:59:19	73.403%	3.511	0.702	0.669	209.800	208.200	81.292%	82.568%
2	00:00:01	75.072%	3.867	0.606	0.687	206.500	207.400	84.590%	84.897%
3	00:00:43	76.396%	3.893	0.620	0.714	210.100	206.000	83.448%	85.022%
X		74.957%	3.757	0.643	0.690	208.800	207.200	83.110%	84.162%
σ		1.500%	0.213	0.052	0.022	1.978	1.127	1.675%	1.382%
%RSD		2.001	5.672	8.047	3.242	0.947	0.544	2.015	1.642
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	23:59:19	0.003	0.012	1.772	1.834	1.759	79.349%		
2	00:00:01	0.012	0.006	1.757	1.679	1.821	81.695%		
3	00:00:43	-0.010	0.001	1.727	1.957	1.828	82.099%		
X		0.002	0.006	1.752	1.823	1.803	81.048%		
σ		0.011	0.005	0.023	0.139	0.038	1.485%		
%RSD		614.700	89.590	1.308	7.641	2.117	1.832		

180-17219-A-24-A 12/30/2012 12:02:55 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:03:37	88.869%	0.004	55.510	59.250	0.000	155000.000	59600.000	66560.000
2	00:04:18	90.577%	0.004	64.400	56.860	0.000	154300.000	59980.000	66250.000
3	00:05:00	89.986%	0.038	59.990	61.000	0.000	154100.000	60140.000	65710.000
X		89.810%	0.015	59.960	59.040	0.000	154500.000	59910.000	66170.000
σ		0.868%	0.020	4.447	2.081	0.000	464.500	277.500	430.200
%RSD		0.966	128.500	7.415	3.524	0.000	0.301	0.463	0.650
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:03:37	114.900	7830.000	0.000	5062.000	66580.000	66160.000	69.372%	6.118
2	00:04:18	117.900	7858.000	0.000	5097.000	66300.000	67000.000	69.954%	7.397
3	00:05:00	95.810	7849.000	0.000	5111.000	66870.000	67050.000	69.990%	6.576
X		109.500	7845.000	0.000	5090.000	66580.000	66740.000	69.772%	6.697
σ		11.970	14.470	0.000	25.200	283.000	499.200	0.346%	0.648
%RSD		10.930	0.185	0.000	0.495	0.425	0.748	0.497	9.674
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:03:37	-0.720	0.495	1505.000	79500.000	82870.000	1.211	0.541	11.950
2	00:04:18	-2.482	0.381	1519.000	79040.000	83630.000	1.052	1.016	12.140
3	00:05:00	-1.909	0.569	1524.000	78450.000	83550.000	1.076	0.523	11.780
X		-1.704	0.482	1516.000	79000.000	83350.000	1.113	0.693	11.960
σ		0.899	0.095	9.735	528.000	417.300	0.085	0.280	0.178
%RSD		52.770	19.730	0.642	0.668	0.501	7.676	40.320	1.487
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:03:37	12.030	13.880	13.740	8.610	-0.523	0.303	0.000	594.400
2	00:04:18	11.110	13.460	14.340	6.608	-0.995	-0.408	0.000	602.500
3	00:05:00	11.180	13.290	13.920	7.234	-0.748	0.011	0.000	602.800
X		11.440	13.540	14.000	7.484	-0.755	-0.031	0.000	599.900
σ		0.516	0.307	0.311	1.024	0.236	0.358	0.000	4.746
%RSD		4.510	2.264	2.224	13.690	31.280	1135.000	0.000	0.791
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:03:37	71.348%	-0.121	-0.068	70.125%	0.004	0.004	0.146	-0.045
2	00:04:18	72.907%	-0.140	-0.027	71.720%	0.004	0.015	-0.171	-0.199
3	00:05:00	73.606%	0.021	-0.011	72.132%	0.004	0.004	-0.002	-0.063
X		72.620%	-0.080	-0.035	71.326%	0.004	0.008	-0.009	-0.102
σ		1.156%	0.088	0.029	1.060%	0.000	0.006	0.158	0.084
%RSD		1.592	109.500	82.200	1.486	3.922	79.350	1719.000	82.580
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:03:37	75.007%	3.440	0.123	0.161	194.900	196.300	81.390%	84.322%
2	00:04:18	77.283%	3.662	0.195	0.142	203.800	197.400	83.941%	86.134%
3	00:05:00	76.925%	3.081	0.146	0.183	203.100	197.500	86.123%	86.420%
X		76.405%	3.394	0.155	0.162	200.600	197.100	83.818%	85.625%
σ		1.224%	0.293	0.037	0.021	4.931	0.681	2.369%	1.138%
%RSD		1.602	8.638	23.710	12.880	2.458	0.346	2.826	1.329
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	00:03:37	-0.000	0.006	2.089	1.971	2.025	79.712%		
2	00:04:18	0.005	0.024	1.935	1.944	2.051	82.998%		
3	00:05:00	0.002	0.010	1.990	2.157	2.046	83.927%		
X		0.002	0.013	2.005	2.024	2.041	82.212%		
σ		0.003	0.009	0.078	0.116	0.014	2.215%		
%RSD		111.100	68.370	3.906	5.741	0.665	2.694		

180-17288-A-1-A

12/30/2012 12:07:13 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:07:55	101.939%	0.031	231.400	224.000	0.000	119900.000	119300.000	119700.000
2	00:08:36	106.318%	-0.031	226.800	224.800	0.000	120000.000	119300.000	119800.000
3	00:09:18	105.663%	0.087	241.100	229.700	0.000	121000.000	120000.000	120500.000
X		104.640%	0.029	233.100	226.200	0.000	120300.000	119500.000	120000.000
σ		2.362%	0.059	7.274	3.076	0.000	610.500	403.000	438.400
%RSD		2.257	202.800	3.121	1.360	0.000	0.508	0.337	0.365
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:07:55	304.100	9266.000	0.000	13910.000	113300.000	112700.000	75.901%	12.640
2	00:08:36	308.000	9413.000	0.000	13920.000	114300.000	114400.000	78.268%	10.660
3	00:09:18	311.200	9503.000	0.000	13900.000	114200.000	113900.000	79.367%	10.770
X		307.800	9394.000	0.000	13910.000	113900.000	113700.000	77.845%	11.350
σ		3.522	119.400	0.000	12.240	580.000	877.100	1.771%	1.112
%RSD		1.144	1.271	0.000	0.088	0.509	0.772	2.275	9.789
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:07:55	-6.902	2.543	1668.000	589.200	857.300	17.200	4.534	3.230
2	00:08:36	-7.174	3.276	1682.000	612.400	899.900	17.620	4.755	3.181
3	00:09:18	-10.360	3.194	1688.000	619.000	891.100	16.950	5.235	3.263
X		-8.146	3.004	1679.000	606.900	882.800	17.260	4.841	3.225
σ		1.925	0.402	10.330	15.670	22.510	0.338	0.358	0.041
%RSD		23.620	13.380	0.615	2.581	2.550	1.957	7.399	1.283
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:07:55	3.028	5.017	6.264	1.097	1.026	1.458	0.000	768.000
2	00:08:36	3.330	5.410	6.107	-0.274	0.338	2.887	0.000	770.300
3	00:09:18	2.624	4.901	5.151	0.306	1.175	1.088	0.000	776.400
X		2.994	5.109	5.841	0.377	0.846	1.811	0.000	771.600
σ		0.354	0.267	0.602	0.688	0.446	0.950	0.000	4.349
%RSD		11.830	5.229	10.310	182.800	52.730	52.440	0.000	0.564
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:07:55	76.286%	0.397	0.360	73.650%	0.004	-0.007	0.083	-0.090
2	00:08:36	79.435%	0.562	0.522	76.360%	0.048	0.035	-0.160	-0.148
3	00:09:18	79.657%	0.297	0.558	77.190%	0.008	0.014	0.035	-0.053
X		78.459%	0.419	0.480	75.733%	0.020	0.014	-0.014	-0.097
σ		1.885%	0.134	0.105	1.852%	0.024	0.021	0.129	0.048
%RSD		2.403	31.990	21.960	2.445	121.800	149.700	905.400	49.670
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:07:55	79.310%	2.974	0.105	0.151	297.000	294.600	85.795%	86.735%
2	00:08:36	81.114%	4.026	0.050	0.160	296.800	296.800	88.947%	90.263%
3	00:09:18	81.377%	4.284	0.153	0.232	307.600	298.100	89.038%	90.806%
X		80.600%	3.761	0.102	0.181	300.500	296.500	87.927%	89.268%
σ		1.125%	0.694	0.051	0.044	6.175	1.777	1.847%	2.210%
%RSD		1.396	18.450	50.300	24.580	2.055	0.599	2.100	2.476
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	00:07:55	0.030	0.059	0.477	0.411	0.466	81.412%		
2	00:08:36	0.034	0.038	0.499	0.478	0.474	85.061%		
3	00:09:18	0.059	0.081	0.429	0.512	0.453	86.183%		
X		0.041	0.059	0.468	0.467	0.464	84.219%		
σ		0.016	0.021	0.036	0.051	0.010	2.495%		
%RSD		38.570	35.980	7.672	10.920	2.231	2.962		

180-17288-A-2-A

12/30/2012 12:11:31 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:12:13	89.701%	-0.031	229.800	213.100	0.000	121800.000	105400.000	105400.000
2	00:12:54	92.800%	-0.031	219.900	213.300	0.000	120400.000	104500.000	104300.000
3	00:13:36	92.412%	-0.031	227.800	208.700	0.000	120600.000	104700.000	104500.000
X		91.638%	-0.031	225.900	211.700	0.000	120900.000	104900.000	104800.000
σ		1.688%	0.000	5.230	2.634	0.000	772.000	485.300	610.300
%RSD		1.842	0.000	2.316	1.244	0.000	0.638	0.463	0.583
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:12:13	-2.563	7277.000	0.000	13630.000	97230.000	97210.000	70.360%	2.422
2	00:12:54	-2.986	7259.000	0.000	13610.000	97650.000	98360.000	70.325%	1.314
3	00:13:36	-2.869	7268.000	0.000	13610.000	98460.000	98690.000	70.451%	1.827
X		-2.806	7268.000	0.000	13610.000	97780.000	98090.000	70.379%	1.855
σ		0.218	8.904	0.000	13.490	626.100	775.800	0.065%	0.554
%RSD		7.780	0.123	0.000	0.099	0.640	0.791	0.092	29.900
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:12:13	-4.782	1.217	1033.000	13830.000	13860.000	1.246	1.175	2.074
2	00:12:54	-3.388	1.023	1048.000	13860.000	14060.000	1.164	0.967	1.865
3	00:13:36	-5.535	0.961	1046.000	13780.000	14070.000	1.441	1.027	2.103
X		-4.568	1.067	1042.000	13820.000	14000.000	1.284	1.056	2.014
σ		1.089	0.134	8.110	40.010	117.900	0.142	0.107	0.130
%RSD		23.850	12.560	0.778	0.289	0.842	11.090	10.110	6.464
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:12:13	1.726	2.408	1.877	4.103	-1.890	-1.792	0.000	765.600
2	00:12:54	1.877	1.703	2.909	4.728	-1.379	-0.672	0.000	767.200
3	00:13:36	1.408	1.587	2.845	3.261	-1.119	-0.013	0.000	767.100
X		1.670	1.900	2.544	4.030	-1.463	-0.826	0.000	766.600
σ		0.239	0.444	0.578	0.736	0.392	0.900	0.000	0.917
%RSD		14.320	23.380	22.730	18.260	26.820	108.900	0.000	0.120
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:12:13	70.335%	0.253	0.145	68.630%	0.005	-0.001	0.108	0.062
2	00:12:54	71.908%	0.332	0.211	69.947%	-0.001	-0.001	0.018	-0.033
3	00:13:36	72.345%	0.073	0.134	70.396%	-0.001	0.010	0.005	0.026
X		71.529%	0.219	0.163	69.658%	0.001	0.003	0.044	0.018
σ		1.057%	0.133	0.042	0.918%	0.003	0.007	0.056	0.048
%RSD		1.478	60.650	25.450	1.317	421.900	248.700	127.700	258.200
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:12:13	72.478%	3.374	0.035	0.056	184.400	184.600	79.516%	81.003%
2	00:12:54	74.901%	2.975	0.045	0.061	184.400	186.200	80.761%	83.112%
3	00:13:36	75.279%	3.132	0.055	0.060	188.700	183.900	82.427%	83.796%
X		74.220%	3.160	0.045	0.059	185.800	184.900	80.901%	82.637%
σ		1.520%	0.201	0.010	0.002	2.444	1.192	1.461%	1.456%
%RSD		2.048	6.351	22.330	4.162	1.315	0.645	1.806	1.761
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	00:12:13	0.004	0.005	0.030	0.025	0.033	75.692%		
2	00:12:54	0.010	0.013	0.062	0.032	0.052	79.030%		
3	00:13:36	0.000	0.010	0.031	0.062	0.049	79.577%		
X		0.005	0.009	0.041	0.039	0.045	78.100%		
σ		0.005	0.004	0.018	0.020	0.010	2.103%		
%RSD		102.700	42.900	44.800	49.550	23.100	2.692		

180-17288-A-3-A 12/30/2012 12:15:50 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:16:31	100.415%	0.000	124.700	115.900	0.000	59620.000	56420.000	63130.000
2	00:17:13	104.295%	-0.031	126.400	116.400	0.000	59110.000	62670.000	63190.000
3	00:17:54	106.915%	-0.031	116.100	114.100	0.000	58590.000	62150.000	62540.000
x		103.875%	-0.020	122.400	115.500	0.000	59110.000	60410.000	62950.000
σ		3.270%	0.018	5.514	1.170	0.000	515.800	3470.000	359.500
%RSD		3.148	88.520	4.504	1.013	0.000	0.873	5.744	0.571
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:16:31	-3.763	7647.000	0.000	3597.000	68890.000	68560.000	74.200%	0.965
2	00:17:13	-38.810	7710.000	0.000	3642.000	70570.000	69750.000	75.653%	0.807
3	00:17:54	-4.153	7688.000	0.000	3609.000	70010.000	68960.000	76.958%	1.062
x		-15.580	7682.000	0.000	3616.000	69820.000	69090.000	75.603%	0.945
σ		20.120	32.100	0.000	23.300	853.900	608.100	1.380%	0.129
%RSD		129.200	0.418	0.000	0.644	1.223	0.880	1.825	13.660
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:16:31	-10.530	2.040	2143.000	42.770	138.300	3.008	2.689	1.978
2	00:17:13	-10.380	2.135	2167.000	36.040	118.100	3.156	2.623	1.857
3	00:17:54	-9.677	2.093	2167.000	35.000	127.600	3.081	2.489	1.883
x		-10.200	2.090	2159.000	37.930	128.000	3.082	2.600	1.906
σ		0.457	0.048	13.600	4.219	10.080	0.074	0.102	0.064
%RSD		4.479	2.281	0.630	11.120	7.874	2.395	3.924	3.340
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:16:31	1.731	1.947	2.133	-3.750	-0.161	0.877	0.000	283.700
2	00:17:13	1.917	1.658	1.848	0.661	2.532	2.775	0.000	282.900
3	00:17:54	1.820	1.733	1.747	0.183	1.543	2.375	0.000	285.700
x		1.823	1.779	1.909	-0.968	1.305	2.009	0.000	284.100
σ		0.093	0.150	0.200	2.420	1.362	1.001	0.000	1.460
%RSD		5.088	8.427	10.460	250.000	104.400	49.800	0.000	0.514
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:16:31	71.020%	-0.124	-0.183	73.481%	0.004	-0.001	0.041	0.090
2	00:17:13	73.034%	-0.130	-0.081	76.061%	-0.002	0.009	0.117	0.048
3	00:17:54	73.610%	-0.175	-0.023	77.077%	0.003	-0.007	0.215	0.216
x		72.555%	-0.143	-0.096	75.540%	0.002	0.000	0.124	0.118
σ		1.360%	0.028	0.081	1.854%	0.003	0.008	0.087	0.087
%RSD		1.874	19.390	84.290	2.454	158.000	5190.000	70.280	73.920
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:16:31	77.591%	2.721	0.015	0.037	32.220	32.580	84.409%	86.096%
2	00:17:13	81.401%	2.530	0.050	0.047	32.170	31.520	87.090%	88.372%
3	00:17:54	82.007%	2.650	0.054	0.046	32.220	30.950	89.010%	90.422%
x		80.333%	2.633	0.040	0.043	32.200	31.680	86.837%	88.296%
σ		2.394%	0.097	0.021	0.006	0.031	0.829	2.311%	2.164%
%RSD		2.980	3.672	53.600	13.140	0.095	2.615	2.661	2.451
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	00:16:31	0.005	0.022	-0.000	0.000	0.009	82.106%		
2	00:17:13	0.001	0.009	0.013	0.011	0.017	85.504%		
3	00:17:54	-0.002	0.018	-0.012	-0.013	0.001	86.519%		
x		0.002	0.017	-0.000	-0.001	0.009	84.710%		
σ		0.004	0.006	0.013	0.012	0.008	2.311%		
%RSD		206.100	38.320	211300.000	1847.000	84.980	2.728		

180-17288-A-4-A

12/30/2012 12:20:08 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:20:50	102.002%	-0.000	117.700	117.700	0.000	60210.000	63700.000	64040.000
2	00:21:32	102.549%	-0.000	120.500	120.000	0.000	60260.000	63840.000	64370.000
3	00:22:13	102.346%	-0.031	124.900	116.000	0.000	60320.000	63720.000	63960.000
X		102.299%	-0.010	121.000	117.900	0.000	60270.000	63750.000	64120.000
σ		0.277%	0.018	3.660	1.998	0.000	55.530	71.760	220.300
%RSD		0.270	171.400	3.024	1.695	0.000	0.092	0.113	0.344
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:20:50	-2.619	7839.000	0.000	3610.000	70520.000	69430.000	75.301%	1.085
2	00:21:32	-29.450	7940.000	0.000	3697.000	70340.000	70030.000	75.538%	1.355
3	00:22:13	-1.237	7907.000	0.000	3666.000	69440.000	69990.000	76.155%	0.935
X		-11.100	7895.000	0.000	3658.000	70100.000	69820.000	75.665%	1.125
σ		15.900	51.090	0.000	43.840	580.000	337.200	0.441%	0.213
%RSD		143.300	0.647	0.000	1.198	0.827	0.483	0.583	18.940
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:20:50	-8.605	2.172	2116.000	37.330	130.000	3.125	2.953	2.238
2	00:21:32	-12.780	2.331	2143.000	40.180	131.600	3.272	2.833	2.187
3	00:22:13	-11.010	2.246	2138.000	43.090	130.300	3.057	4.004	2.362
X		-10.800	2.250	2132.000	40.200	130.700	3.152	3.263	2.262
σ		2.095	0.079	14.340	2.878	0.861	0.110	0.644	0.090
%RSD		19.400	3.533	0.673	7.159	0.659	3.493	19.740	3.978
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:20:50	2.033	2.146	2.321	-0.400	1.621	1.231	0.000	270.500
2	00:21:32	1.892	2.542	1.719	0.335	0.367	0.466	0.000	271.700
3	00:22:13	2.099	2.042	1.795	0.386	1.346	2.195	0.000	271.800
X		2.008	2.243	1.945	0.107	1.111	1.298	0.000	271.300
σ		0.106	0.264	0.328	0.440	0.659	0.866	0.000	0.743
%RSD		5.269	11.770	16.860	410.700	59.310	66.780	0.000	0.274
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:20:50	75.058%	-0.001	-0.008	73.680%	-0.001	-0.001	0.012	-0.046
2	00:21:32	76.763%	-0.092	0.004	74.933%	0.004	-0.002	0.044	-0.030
3	00:22:13	77.422%	-0.023	0.010	75.468%	0.019	0.014	-0.030	-0.050
X		76.414%	-0.039	0.002	74.693%	0.007	0.004	0.009	-0.042
σ		1.220%	0.047	0.009	0.918%	0.010	0.009	0.037	0.011
%RSD		1.596	122.900	514.900	1.229	149.000	242.100	432.500	25.150
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:20:50	77.416%	3.169	0.064	0.079	30.460	31.990	84.144%	85.398%
2	00:21:32	78.945%	3.293	0.063	0.083	32.750	33.850	85.337%	87.326%
3	00:22:13	80.183%	3.007	0.066	0.075	34.480	32.300	86.986%	87.617%
X		78.848%	3.156	0.064	0.079	32.560	32.710	85.489%	86.780%
σ		1.386%	0.144	0.002	0.004	2.016	0.997	1.427%	1.206%
%RSD		1.758	4.549	3.030	5.447	6.190	3.047	1.670	1.390
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	00:20:50	-0.003	0.021	0.007	0.030	0.022	80.948%		
2	00:21:32	0.008	0.016	0.024	-0.005	0.018	83.777%		
3	00:22:13	0.001	0.005	0.045	0.019	0.042	85.584%		
X		0.002	0.014	0.026	0.015	0.027	83.436%		
σ		0.006	0.008	0.019	0.018	0.013	2.337%		
%RSD		285.700	59.920	73.250	118.900	47.740	2.801		

CCV 664806 12/30/2012 12:27:16 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:27:58	77.562%	99.460	94.160	95.280	0.000	46970.000	40670.000	40850.000
2	00:28:40	80.022%	100.400	95.170	93.180	0.000	46110.000	40500.000	40960.000
3	00:29:21	78.699%	99.820	92.230	94.830	0.000	46930.000	41430.000	41630.000
x		78.761%	99.886%	93.855%	94.430%	0.000	93.340%	81.730%	82.298%
σ		1.231%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		1.563	0.467	1.595	1.170	0.000	1.039	1.209	1.030
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:27:58	453.200	4800.000	0.000	48340.000	48710.000	47090.000	71.991%	95.550
2	00:28:40	461.000	4805.000	0.000	47870.000	46940.000	47440.000	73.867%	96.420
3	00:29:21	465.700	4895.000	0.000	47940.000	48420.000	47530.000	75.071%	104.200
x		91.996%	96.670%	0.000	96.105%	96.054%	94.705%	73.643%	98.740%
σ		n/a	n/a	0.000	n/a	n/a	n/a	1.553%	n/a
%RSD		1.376	1.108	0.000	0.528	1.975	0.486	2.108	4.848
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:27:58	96.260	98.780	477.900	24750.000	24220.000	100.600	103.500	100.100
2	00:28:40	97.330	98.480	483.000	24550.000	24500.000	100.900	102.500	102.700
3	00:29:21	100.100	98.020	482.300	24450.000	24460.000	98.550	100.800	103.400
x		97.907%	98.430%	96.216%	98.340%	97.583%	99.990%	102.255%	102.070%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		2.047	0.389	0.580	0.616	0.617	1.256	1.355	1.720
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:27:58	99.450	99.360	99.800	98.000	87.580	102.200	0.000	97.120
2	00:28:40	101.600	100.100	100.600	96.620	97.410	95.800	0.000	97.460
3	00:29:21	99.610	102.600	100.500	101.900	87.200	100.300	0.000	96.630
x		100.231%	100.710%	100.299%	98.836%	90.728%	99.459%	0.000	97.071%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		1.211	1.697	0.432	2.760	6.382	3.327	0.000	0.429
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:27:58	72.481%	95.410	97.220	71.581%	97.540	97.880	95.530	96.350
2	00:28:40	74.484%	98.830	101.100	74.392%	98.650	97.140	98.180	95.550
3	00:29:21	76.299%	100.100	103.200	75.663%	98.920	98.740	98.580	97.510
x		74.421%	98.122%	100.501%	73.878%	98.370%	97.916%	97.431%	96.472%
σ		1.909%	n/a	n/a	2.089%	n/a	n/a	n/a	n/a
%RSD		2.566	2.485	3.009	2.828	0.742	0.818	1.699	1.020
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:27:58	74.207%	98.140	97.420	97.640	96.950	95.130	79.576%	79.510%
2	00:28:40	77.714%	98.360	97.400	97.750	98.200	95.920	81.475%	83.089%
3	00:29:21	78.649%	99.400	98.390	97.460	98.070	98.320	82.668%	84.175%
x		76.857%	98.635%	97.740%	97.619%	97.741%	96.455%	81.240%	82.258%
σ		2.342%	n/a	n/a	n/a	n/a	n/a	1.559%	2.441%
%RSD		3.047	0.683	0.580	0.152	0.705	1.720	1.919	2.967
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	00:27:58	102.100	101.000	102.200	102.300	102.600	75.956%		
2	00:28:40	102.200	101.700	102.900	103.400	103.000	79.075%		
3	00:29:21	102.000	101.500	102.500	102.700	102.400	80.622%		
x		102.093%	101.395%	102.549%	102.779%	102.672%	78.551%		
σ		n/a	n/a	n/a	n/a	n/a	2.377%		
%RSD		0.128	0.369	0.359	0.516	0.300	3.026		

CCB9 12/30/2012 12:34:25 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:35:07	81.858%	0.043	1.780	2.169	0.000	-53.290	12.930	12.890
2	00:35:48	82.689%	-0.031	0.430	1.441	0.000	-54.780	15.430	13.160
3	00:36:30	82.038%	-0.031	1.908	1.563	0.000	-51.000	14.550	14.180
X		82.195%	-0.006	1.373	1.724	0.000	-53.030	14.300	13.410
σ		0.437%	0.043	0.819	0.390	0.000	1.903	1.269	0.680
%RSD		0.532	712.600	59.650	22.620	0.000	3.589	8.875	5.070
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:35:07	-2.830	3.091	0.000	-3.550	23.110	25.410	86.552%	0.153
2	00:35:48	-2.910	2.503	0.000	-3.233	49.100	26.930	86.644%	0.213
3	00:36:30	-2.839	2.717	0.000	-3.492	38.870	25.520	86.280%	0.154
X		-2.860	2.770	0.000	-3.425	37.020	25.950	86.492%	0.173
σ		0.044	0.298	0.000	0.169	13.090	0.846	0.189%	0.034
%RSD		1.538	10.750	0.000	4.934	35.360	3.261	0.218	19.790
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:35:07	0.116	-0.020	0.198	14.550	25.470	0.006	0.090	0.325
2	00:35:48	-0.050	0.007	0.158	9.965	22.020	0.009	0.049	0.539
3	00:36:30	0.034	0.020	0.170	7.796	15.590	0.033	0.151	0.570
X		0.033	0.002	0.175	10.770	21.030	0.016	0.097	0.478
σ		0.083	0.020	0.021	3.449	5.011	0.015	0.051	0.133
%RSD		251.700	1066.000	11.820	32.020	23.830	91.560	52.760	27.880
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:35:07	0.570	0.583	0.226	-0.095	-0.828	-0.108	0.000	0.308
2	00:35:48	0.404	0.693	0.289	-0.641	-1.429	-1.881	0.000	0.261
3	00:36:30	0.323	0.535	0.420	-0.576	-1.547	-1.325	0.000	0.352
X		0.432	0.604	0.312	-0.438	-1.268	-1.105	0.000	0.307
σ		0.126	0.081	0.099	0.298	0.386	0.907	0.000	0.045
%RSD		29.050	13.360	31.680	68.130	30.410	82.070	0.000	14.820
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:35:07	82.356%	0.150	0.136	82.962%	0.021	0.023	0.102	0.043
2	00:35:48	82.868%	0.082	0.226	83.979%	0.049	0.023	-0.008	0.041
3	00:36:30	83.031%	-0.061	0.177	84.508%	0.030	0.042	-0.058	-0.141
X		82.752%	0.057	0.180	83.816%	0.033	0.029	0.012	-0.019
σ		0.352%	0.108	0.045	0.786%	0.014	0.011	0.082	0.106
%RSD		0.425	189.700	25.090	0.937	41.630	38.000	691.000	545.200
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:35:07	82.652%	0.540	0.034	0.073	-0.038	0.107	84.188%	84.310%
2	00:35:48	83.978%	0.274	0.058	0.013	0.092	0.151	84.674%	85.157%
3	00:36:30	84.303%	0.470	0.078	0.006	-0.040	0.179	86.463%	86.852%
X		83.644%	0.428	0.057	0.031	0.005	0.145	85.108%	85.440%
σ		0.875%	0.138	0.022	0.037	0.076	0.036	1.198%	1.295%
%RSD		1.046	32.250	38.970	120.400	1502.000	25.100	1.408	1.515
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	00:35:07	0.040	0.071	0.046	0.044	0.047	84.869%		
2	00:35:48	0.031	0.052	0.031	0.019	0.036	85.602%		
3	00:36:30	0.039	0.038	0.037	0.031	0.033	86.161%		
X		0.037	0.054	0.038	0.031	0.039	85.544%		
σ		0.005	0.017	0.007	0.012	0.007	0.648%		
%RSD		13.910	31.130	19.710	39.500	18.140	0.758		

180-17288-A-5-A 12/30/2012 12:38:43 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:39:24	83.287%	-0.031	43.310	44.310	0.000	196000.000	45960.000	46170.000
2	00:40:06	83.867%	-0.031	48.240	43.880	0.000	194400.000	46360.000	46670.000
3	00:40:48	86.962%	-0.031	45.210	43.600	0.000	189400.000	45600.000	46040.000
X		84.705%	-0.031	45.590	43.930	0.000	193300.000	45970.000	46290.000
σ		1.976%	0.000	2.487	0.358	0.000	3445.000	382.000	335.700
%RSD		2.332	0.000	5.456	0.816	0.000	1.782	0.831	0.725
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:39:24	-3.330	10590.000	0.000	2166.000	52120.000	51690.000	64.433%	2.330
2	00:40:06	-3.430	10620.000	0.000	2195.000	53790.000	52370.000	65.202%	1.901
3	00:40:48	-3.946	10470.000	0.000	2184.000	52690.000	51960.000	65.945%	1.799
X		-3.569	10560.000	0.000	2182.000	52870.000	52010.000	65.193%	2.010
σ		0.331	81.920	0.000	14.870	850.900	338.100	0.756%	0.282
%RSD		9.268	0.776	0.000	0.682	1.610	0.650	1.160	14.000
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:39:24	-3.616	0.512	3519.000	39850.000	39410.000	0.124	0.851	1.721
2	00:40:06	-3.274	0.265	3551.000	39280.000	40030.000	0.111	0.526	1.970
3	00:40:48	-4.148	0.564	3548.000	38570.000	39710.000	0.090	0.804	2.280
X		-3.680	0.447	3540.000	39230.000	39710.000	0.108	0.727	1.990
σ		0.441	0.159	17.540	643.100	309.000	0.017	0.176	0.280
%RSD		11.980	35.650	0.496	1.639	0.778	16.110	24.170	14.090
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:39:24	1.153	1.621	1.486	6.660	1.465	1.596	0.000	525.900
2	00:40:06	1.646	2.418	2.108	1.379	0.435	-2.781	0.000	528.300
3	00:40:48	1.999	1.912	2.512	4.672	-0.954	-0.575	0.000	523.700
X		1.599	1.983	2.036	4.237	0.315	-0.587	0.000	526.000
σ		0.425	0.404	0.517	2.667	1.214	2.188	0.000	2.283
%RSD		26.560	20.350	25.380	62.950	384.900	373.100	0.000	0.434
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:39:24	65.102%	0.233	0.429	63.312%	0.011	0.006	-0.020	-0.122
2	00:40:06	67.212%	0.151	0.226	65.499%	0.005	-0.007	-0.082	-0.157
3	00:40:48	68.859%	-0.081	0.147	66.742%	-0.001	0.011	-0.177	-0.139
X		67.058%	0.101	0.267	65.184%	0.005	0.003	-0.093	-0.139
σ		1.884%	0.163	0.145	1.736%	0.006	0.009	0.079	0.017
%RSD		2.809	161.200	54.330	2.664	117.800	284.200	85.350	12.310
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:39:24	68.286%	5.975	0.020	0.054	130.100	134.400	75.012%	75.599%
2	00:40:06	70.023%	4.794	0.061	0.044	137.600	132.100	77.801%	78.937%
3	00:40:48	71.984%	4.079	0.059	0.042	133.100	132.800	78.403%	80.740%
X		70.098%	4.949	0.047	0.047	133.600	133.100	77.072%	78.425%
σ		1.850%	0.958	0.023	0.006	3.779	1.178	1.809%	2.608%
%RSD		2.639	19.350	48.960	13.630	2.828	0.885	2.347	3.326
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	00:39:24	0.037	0.042	0.439	0.566	0.510	71.858%		
2	00:40:06	0.024	0.029	0.476	0.367	0.419	75.681%		
3	00:40:48	0.023	0.027	0.470	0.512	0.480	77.810%		
X		0.028	0.032	0.462	0.482	0.470	75.116%		
σ		0.008	0.008	0.020	0.103	0.047	3.016%		
%RSD		27.640	24.670	4.315	21.310	9.908	4.015		

180-17288-A-6-A 12/30/2012 12:42:59 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:43:41	83.854%	-0.031	99.190	96.530	0.000	112900.000	37760.000	37970.000
2	00:44:22	86.297%	-0.031	101.200	97.650	0.000	111000.000	37510.000	37690.000
3	00:45:04	86.113%	0.005	105.300	100.300	0.000	111800.000	37930.000	38100.000
X		85.421%	-0.019	101.900	98.160	0.000	111900.000	37730.000	37920.000
σ		1.361%	0.021	3.144	1.942	0.000	926.200	213.300	213.300
%RSD		1.593	112.100	3.085	1.979	0.000	0.828	0.565	0.563
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:43:41	3.493	5470.000	0.000	5457.000	49840.000	50300.000	64.997%	2.703
2	00:44:22	2.452	5426.000	0.000	5449.000	50590.000	50300.000	65.840%	2.510
3	00:45:04	2.761	5455.000	0.000	5495.000	50900.000	50440.000	66.249%	2.651
X		2.902	5450.000	0.000	5467.000	50440.000	50350.000	65.696%	2.621
σ		0.535	22.800	0.000	24.780	545.900	84.840	0.638%	0.100
%RSD		18.420	0.418	0.000	0.453	1.082	0.169	0.972	3.804
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:43:41	-4.321	0.342	642.000	28080.000	28220.000	0.230	1.213	3.738
2	00:44:22	-3.710	0.480	647.000	27780.000	28370.000	0.222	1.082	3.727
3	00:45:04	-4.767	0.521	649.000	27790.000	28650.000	0.186	0.864	3.774
X		-4.266	0.448	646.000	27880.000	28410.000	0.213	1.053	3.746
σ		0.530	0.093	3.597	173.000	217.800	0.023	0.176	0.025
%RSD		12.430	20.870	0.557	0.621	0.766	10.950	16.720	0.660
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:43:41	3.380	4.107	4.041	13.070	-1.647	-1.919	0.000	406.700
2	00:44:22	4.005	3.625	5.009	12.670	-1.243	-0.997	0.000	411.000
3	00:45:04	3.645	3.258	4.121	14.080	-0.262	-1.630	0.000	414.100
X		3.676	3.663	4.390	13.270	-1.051	-1.515	0.000	410.600
σ		0.314	0.426	0.537	0.724	0.712	0.471	0.000	3.718
%RSD		8.537	11.620	12.230	5.456	67.770	31.100	0.000	0.906
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:43:41	68.213%	0.048	-0.036	66.508%	0.005	0.005	-0.057	-0.013
2	00:44:22	68.928%	-0.114	0.007	68.150%	-0.001	-0.001	-0.095	-0.076
3	00:45:04	69.420%	-0.007	0.023	68.799%	0.004	-0.001	-0.011	-0.074
X		68.853%	-0.025	-0.002	67.819%	0.003	0.001	-0.054	-0.054
σ		0.607%	0.083	0.031	1.180%	0.003	0.004	0.042	0.036
%RSD		0.881	337.100	1406.000	1.741	116.300	365.200	76.560	66.310
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:43:41	71.132%	3.097	0.066	0.118	259.600	260.500	78.941%	79.454%
2	00:44:22	72.871%	2.668	0.116	0.181	262.800	257.800	79.787%	82.222%
3	00:45:04	73.420%	3.551	0.126	0.135	264.700	261.200	81.612%	82.698%
X		72.474%	3.105	0.102	0.145	262.400	259.800	80.113%	81.458%
σ		1.195%	0.441	0.032	0.033	2.557	1.768	1.365%	1.751%
%RSD		1.648	14.220	31.370	22.530	0.975	0.681	1.704	2.150
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	00:43:41	0.020	0.004	5.460	5.666	5.440	76.484%		
2	00:44:22	-0.006	0.003	5.385	5.123	5.331	79.472%		
3	00:45:04	0.006	0.004	4.977	5.362	5.207	80.714%		
X		0.007	0.003	5.274	5.384	5.326	78.890%		
σ		0.013	0.001	0.260	0.272	0.116	2.174%		
%RSD		197.100	15.690	4.928	5.059	2.186	2.756		

180-17288-A-6-A SD@5 12/30/2012 12:47:15 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:47:56	78.838%	0.008	18.210	21.140	0.000	23410.000	7658.000	7691.000
2	00:48:38	81.465%	-0.031	21.070	20.580	0.000	22840.000	7576.000	7611.000
3	00:49:20	81.345%	-0.031	18.080	19.810	0.000	22880.000	7525.000	7593.000
X		80.549%	-0.018	19.120	20.510	0.000	23040.000	7587.000	7632.000
σ		1.484%	0.022	1.690	0.672	0.000	317.500	66.850	51.910
%RSD		1.842	127.400	8.839	3.275	0.000	1.378	0.881	0.680
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:47:56	2.635	1144.000	0.000	1093.000	10170.000	10220.000	69.316%	0.586
2	00:48:38	0.824	1135.000	0.000	1089.000	10240.000	10100.000	69.989%	0.579
3	00:49:20	0.494	1127.000	0.000	1089.000	10540.000	10240.000	69.832%	0.358
X		1.318	1135.000	0.000	1090.000	10320.000	10190.000	69.712%	0.508
σ		1.152	8.738	0.000	2.119	193.200	72.900	0.352%	0.130
%RSD		87.460	0.770	0.000	0.194	1.873	0.716	0.505	25.530
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:47:56	-0.852	0.084	131.300	4838.000	5821.000	0.108	0.446	2.057
2	00:48:38	-0.280	0.047	130.000	4797.000	5747.000	0.032	0.414	2.188
3	00:49:20	-0.521	0.086	131.200	4789.000	5771.000	0.051	0.315	2.483
X		-0.551	0.072	130.900	4808.000	5780.000	0.063	0.392	2.243
σ		0.287	0.022	0.746	25.950	37.670	0.039	0.068	0.218
%RSD		52.100	30.190	0.570	0.540	0.652	62.130	17.330	9.730
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:47:56	2.294	2.656	2.690	2.949	0.305	-1.772	0.000	82.630
2	00:48:38	1.652	1.938	1.399	1.591	-1.130	-1.711	0.000	82.990
3	00:49:20	1.612	2.004	2.042	2.935	-2.068	-0.774	0.000	83.740
X		1.853	2.199	2.044	2.492	-0.964	-1.419	0.000	83.120
σ		0.383	0.397	0.646	0.780	1.195	0.560	0.000	0.569
%RSD		20.670	18.050	31.600	31.310	124.000	39.450	0.000	0.685
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:47:56	71.407%	-0.049	-0.054	72.321%	0.020	0.021	-0.051	-0.040
2	00:48:38	72.850%	-0.010	-0.014	73.826%	0.024	0.021	0.069	-0.013
3	00:49:20	72.259%	-0.142	-0.050	74.218%	0.009	0.004	0.031	-0.056
X		72.172%	-0.067	-0.040	73.455%	0.018	0.015	0.016	-0.036
σ		0.725%	0.068	0.022	1.001%	0.008	0.010	0.061	0.022
%RSD		1.005	101.200	55.260	1.363	44.910	63.710	372.000	59.630
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:47:56	74.335%	2.639	0.074	0.047	54.980	55.120	78.714%	80.459%
2	00:48:38	76.445%	2.725	0.044	0.024	54.110	52.720	80.944%	81.279%
3	00:49:20	76.417%	2.123	0.038	0.017	52.620	51.680	81.448%	82.123%
X		75.733%	2.496	0.052	0.029	53.900	53.170	80.369%	81.287%
σ		1.210%	0.326	0.019	0.016	1.192	1.765	1.455%	0.832%
%RSD		1.598	13.050	37.170	54.470	2.211	3.319	1.810	1.023
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	00:47:56	0.015	0.015	1.003	1.265	1.118	81.897%		
2	00:48:38	0.011	0.012	1.017	1.092	1.088	85.005%		
3	00:49:20	-0.002	-0.000	1.122	1.104	1.114	86.914%		
X		0.008	0.009	1.047	1.154	1.107	84.605%		
σ		0.009	0.008	0.065	0.096	0.016	2.532%		
%RSD		106.100	89.220	6.219	8.324	1.478	2.993		

180-17288-A-6-B MS

12/30/2012 12:51:31 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:52:13	86.117%	50.610	1076.000	1022.000	0.000	157900.000	87600.000	87900.000
2	00:52:54	86.665%	51.840	1072.000	1044.000	0.000	157600.000	87880.000	87720.000
3	00:53:37	88.510%	50.950	1067.000	1029.000	0.000	156300.000	87020.000	86990.000
x		87.097%	51.130	1072.000	1032.000	0.000	157300.000	87500.000	87540.000
σ		1.254%	0.635	4.571	10.900	0.000	856.200	442.000	481.400
%RSD		1.439	1.241	0.427	1.057	0.000	0.544	0.505	0.550
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:52:13	1720.000	14390.000	0.000	52630.000	100000.000	98680.000	66.161%	955.500
2	00:52:54	1717.000	14540.000	0.000	52420.000	99730.000	99980.000	66.980%	953.100
3	00:53:37	1715.000	14450.000	0.000	52160.000	99630.000	99860.000	67.261%	944.300
x		1717.000	14460.000	0.000	52400.000	99790.000	99510.000	66.801%	951.000
σ		2.456	72.340	0.000	237.200	186.500	717.200	0.571%	5.904
%RSD		0.143	0.500	0.000	0.453	0.187	0.721	0.855	0.621
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:52:13	477.300	194.100	1136.000	29380.000	29970.000	472.400	473.100	231.900
2	00:52:54	479.300	196.200	1145.000	29030.000	29960.000	472.100	467.800	233.900
3	00:53:37	476.400	195.500	1147.000	28900.000	30120.000	474.900	474.400	231.500
x		477.600	195.300	1143.000	29100.000	30010.000	473.100	471.800	232.400
σ		1.473	1.061	6.112	249.400	89.930	1.532	3.481	1.322
%RSD		0.308	0.543	0.535	0.857	0.300	0.324	0.738	0.569
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:52:13	230.100	479.900	474.600	48.060	6.425	9.026	0.000	1366.000
2	00:52:54	228.200	468.800	479.900	45.680	6.557	10.210	0.000	1357.000
3	00:53:37	231.200	478.700	489.300	48.760	9.545	8.325	0.000	1379.000
x		229.800	475.800	481.300	47.500	7.509	9.186	0.000	1367.000
σ		1.506	6.105	7.452	1.616	1.764	0.951	0.000	10.930
%RSD		0.655	1.283	1.548	3.402	23.500	10.360	0.000	0.799
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:52:13	68.423%	999.900	1006.000	65.975%	48.150	47.560	48.820	39.710
2	00:52:54	70.743%	999.400	1017.000	67.673%	48.500	47.340	46.680	39.850
3	00:53:37	70.372%	1021.000	1032.000	67.729%	49.560	48.120	49.470	40.520
x		69.846%	1007.000	1018.000	67.126%	48.730	47.670	48.320	40.030
σ		1.246%	12.350	12.820	0.997%	0.734	0.400	1.461	0.433
%RSD		1.784	1.227	1.259	1.485	1.506	0.839	3.023	1.083
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:52:13	70.824%	1938.000	487.500	484.600	2168.000	2161.000	77.076%	80.302%
2	00:52:54	72.888%	1941.000	483.900	489.500	2155.000	2137.000	81.595%	82.652%
3	00:53:37	72.845%	1986.000	496.400	492.100	2183.000	2164.000	82.419%	83.790%
x		72.186%	1955.000	489.300	488.700	2169.000	2154.000	80.364%	82.248%
σ		1.179%	26.490	6.409	3.768	14.010	14.590	2.877%	1.779%
%RSD		1.634	1.355	1.310	0.771	0.646	0.678	3.579	2.163
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	00:52:13	48.530	47.530	25.940	25.940	25.840	77.507%		
2	00:52:54	47.430	47.180	25.370	25.260	25.490	82.161%		
3	00:53:37	49.170	48.450	26.960	25.880	26.460	81.216%		
x		48.370	47.720	26.090	25.690	25.930	80.295%		
σ		0.879	0.655	0.805	0.380	0.489	2.460%		
%RSD		1.818	1.373	3.085	1.478	1.884	3.064		

180-17288-A-6-C MSD

12/30/2012 12:55:48 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:56:30	85.843%	50.580	1090.000	1024.000	0.000	154400.000	86290.000	86540.000
2	00:57:12	86.770%	52.490	1080.000	1029.000	0.000	152800.000	85510.000	85820.000
3	00:57:53	87.392%	51.870	1081.000	1026.000	0.000	151700.000	85030.000	85000.000
X		86.669%	51.650	1083.000	1026.000	0.000	153000.000	85610.000	85790.000
σ		0.779%	0.977	5.606	2.881	0.000	1367.000	631.900	772.900
%RSD		0.899	1.892	0.518	0.281	0.000	0.894	0.738	0.901
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:56:30	1691.000	14460.000	0.000	51750.000	97300.000	96310.000	67.090%	936.800
2	00:57:12	1697.000	14480.000	0.000	51440.000	97830.000	96770.000	67.995%	958.600
3	00:57:53	1688.000	14410.000	0.000	50970.000	96160.000	96770.000	68.008%	941.300
X		1692.000	14450.000	0.000	51390.000	97100.000	96620.000	67.698%	945.600
σ		4.780	36.290	0.000	392.600	851.200	267.100	0.526%	11.510
%RSD		0.283	0.251	0.000	0.764	0.877	0.276	0.777	1.218
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:56:30	468.200	192.900	1099.000	28250.000	28830.000	473.000	465.000	231.200
2	00:57:12	475.600	190.700	1101.000	27930.000	29120.000	474.200	463.900	234.700
3	00:57:53	472.600	192.000	1107.000	27890.000	28930.000	472.300	471.500	228.600
X		472.100	191.900	1102.000	28020.000	28960.000	473.200	466.800	231.500
σ		3.727	1.130	4.528	194.500	148.300	0.931	4.088	3.032
%RSD		0.789	0.589	0.411	0.694	0.512	0.197	0.876	1.310
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:56:30	234.600	461.800	464.000	47.810	7.238	12.070	0.000	1346.000
2	00:57:12	233.000	469.900	466.900	49.240	9.140	7.026	0.000	1341.000
3	00:57:53	232.300	464.900	460.800	51.080	7.844	7.043	0.000	1338.000
X		233.300	465.500	463.900	49.380	8.074	8.713	0.000	1342.000
σ		1.182	4.094	3.066	1.641	0.972	2.908	0.000	3.764
%RSD		0.507	0.880	0.661	3.324	12.040	33.370	0.000	0.281
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:56:30	68.530%	996.400	1004.000	66.549%	47.990	46.600	46.800	39.500
2	00:57:12	69.978%	1006.000	1021.000	67.809%	47.370	47.210	44.870	37.290
3	00:57:53	70.189%	1001.000	1016.000	68.288%	46.430	48.040	46.470	39.130
X		69.566%	1001.000	1014.000	67.549%	47.260	47.280	46.050	38.640
σ		0.903%	4.735	8.490	0.898%	0.786	0.724	1.031	1.186
%RSD		1.298	0.473	0.838	1.330	1.663	1.531	2.239	3.069
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:56:30	71.370%	1925.000	479.000	478.100	2130.000	2111.000	79.606%	80.982%
2	00:57:12	72.979%	1934.000	480.400	478.300	2118.000	2097.000	81.833%	83.384%
3	00:57:53	72.941%	1932.000	482.100	483.800	2146.000	2116.000	81.453%	83.275%
X		72.430%	1930.000	480.500	480.100	2132.000	2108.000	80.964%	82.547%
σ		0.918%	4.535	1.595	3.221	14.070	9.915	1.191%	1.357%
%RSD		1.267	0.235	0.332	0.671	0.660	0.470	1.471	1.643
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	00:56:30	48.600	47.880	25.400	25.030	25.250	77.646%		
2	00:57:12	49.020	47.250	25.310	25.460	25.380	80.977%		
3	00:57:53	48.980	48.390	25.320	25.510	25.320	80.591%		
X		48.870	47.840	25.340	25.330	25.320	79.738%		
σ		0.235	0.569	0.053	0.266	0.061	1.822%		
%RSD		0.482	1.190	0.208	1.048	0.241	2.285		

180-17288-A-7-A

12/30/2012 1:00:05 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:00:47	86.571%	0.005	61.210	63.450	0.000	15300.000	15700.000	15710.000
2	01:01:28	87.795%	0.040	68.720	62.130	0.000	15400.000	15890.000	15940.000
3	01:02:10	90.677%	-0.031	60.590	58.690	0.000	15080.000	15660.000	15680.000
X		88.348%	0.005	63.510	61.420	0.000	15260.000	15750.000	15780.000
σ		2.108%	0.035	4.524	2.458	0.000	163.100	119.600	144.500
%RSD		2.386	711.500	7.124	4.002	0.000	1.069	0.760	0.916
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:00:47	55.960	6120.000	0.000	5277.000	64410.000	62920.000	66.302%	7.266
2	01:01:28	56.080	6221.000	0.000	5357.000	63530.000	64390.000	66.475%	5.995
3	01:02:10	52.780	6114.000	0.000	5300.000	64500.000	63560.000	66.775%	5.654
X		54.940	6152.000	0.000	5311.000	64150.000	63620.000	66.517%	6.305
σ		1.872	60.340	0.000	40.910	531.900	738.300	0.239%	0.849
%RSD		3.407	0.981	0.000	0.770	0.829	1.160	0.360	13.470
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:00:47	1.063	1.333	311.600	2433.000	3071.000	0.524	1.438	3.748
2	01:01:28	-0.539	1.477	316.000	2451.000	3108.000	0.322	1.663	4.556
3	01:02:10	-2.704	1.272	313.400	2428.000	3044.000	0.266	1.359	4.159
X		-0.727	1.361	313.700	2437.000	3074.000	0.371	1.487	4.154
σ		1.891	0.106	2.187	12.170	32.310	0.136	0.158	0.404
%RSD		260.200	7.750	0.697	0.499	1.051	36.680	10.620	9.728
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:00:47	4.184	3.625	3.378	-1.007	-1.519	-1.695	0.000	353.200
2	01:01:28	3.892	3.704	3.815	0.413	-0.408	-1.291	0.000	360.400
3	01:02:10	3.930	2.796	3.533	3.258	-2.004	-1.985	0.000	354.300
X		4.002	3.375	3.576	0.888	-1.311	-1.657	0.000	356.000
σ		0.159	0.503	0.221	2.172	0.818	0.348	0.000	3.888
%RSD		3.962	14.910	6.188	244.600	62.430	21.030	0.000	1.092
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:00:47	68.360%	5.416	5.212	67.880%	0.027	0.034	0.157	0.048
2	01:01:28	69.414%	3.099	3.284	69.490%	0.010	0.010	-0.086	-0.137
3	01:02:10	70.453%	2.483	2.103	69.713%	0.004	0.005	0.008	-0.132
X		69.409%	3.666	3.533	69.028%	0.014	0.016	0.026	-0.073
σ		1.046%	1.546	1.569	1.000%	0.012	0.016	0.122	0.105
%RSD		1.508	42.180	44.420	1.449	85.690	95.810	462.200	143.400
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:00:47	72.944%	11.030	0.444	0.477	55.500	54.080	78.758%	79.081%
2	01:01:28	73.489%	7.757	0.320	0.290	55.990	56.500	80.192%	81.514%
3	01:02:10	74.572%	6.816	0.259	0.220	55.730	55.380	81.144%	82.525%
X		73.668%	8.533	0.341	0.329	55.740	55.320	80.031%	81.040%
σ		0.829%	2.209	0.094	0.133	0.246	1.211	1.201%	1.770%
%RSD		1.125	25.890	27.670	40.460	0.441	2.189	1.501	2.184
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	01:00:47	0.569	0.571	0.244	0.268	0.300	79.125%		
2	01:01:28	0.424	0.369	0.298	0.280	0.309	81.777%		
3	01:02:10	0.305	0.265	0.259	0.331	0.289	83.485%		
X		0.433	0.402	0.267	0.293	0.299	81.462%		
σ		0.132	0.156	0.028	0.034	0.010	2.197%		
%RSD		30.530	38.840	10.580	11.560	3.267	2.697		

180-17288-A-8-A 12/30/2012 1:04:23 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:05:05	82.624%	0.120	91.370	84.020	0.000	129000.000	19530.000	19700.000
2	01:05:46	83.376%	0.007	92.500	86.850	0.000	128000.000	19630.000	19720.000
3	01:06:28	84.977%	0.079	90.740	85.710	0.000	127700.000	19580.000	19730.000
X		83.659%	0.069	91.540	85.530	0.000	128200.000	19580.000	19720.000
σ		1.201%	0.057	0.894	1.421	0.000	690.700	50.480	18.040
%RSD		1.436	83.580	0.976	1.661	0.000	0.539	0.258	0.092
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:05:05	22.480	8233.000	0.000	15230.000	75280.000	75440.000	63.994%	4.937
2	01:05:46	22.260	8260.000	0.000	15220.000	76750.000	75960.000	64.254%	4.915
3	01:06:28	23.300	8276.000	0.000	15200.000	77340.000	76680.000	64.060%	5.171
X		22.680	8256.000	0.000	15220.000	76460.000	76030.000	64.103%	5.008
σ		0.550	22.000	0.000	16.190	1060.000	621.400	0.135%	0.142
%RSD		2.425	0.266	0.000	0.106	1.387	0.817	0.211	2.834
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:05:05	0.092	1.187	5140.000	11240.000	11280.000	0.185	1.466	2.118
2	01:05:46	0.264	1.426	5190.000	11140.000	11450.000	0.334	0.936	2.672
3	01:06:28	-0.815	1.266	5233.000	11180.000	11510.000	0.279	1.198	2.699
X		-0.153	1.293	5187.000	11180.000	11420.000	0.266	1.200	2.496
σ		0.579	0.122	46.660	48.740	120.000	0.075	0.265	0.328
%RSD		378.500	9.431	0.900	0.436	1.051	28.340	22.090	13.140
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:05:05	2.322	6.022	7.333	8.908	-1.874	0.515	0.000	780.400
2	01:05:46	2.800	6.870	7.468	8.276	-2.789	-0.804	0.000	786.100
3	01:06:28	2.563	5.903	6.849	7.434	-0.430	-0.763	0.000	786.800
X		2.561	6.265	7.217	8.206	-1.697	-0.351	0.000	784.400
σ		0.239	0.528	0.325	0.739	1.189	0.750	0.000	3.482
%RSD		9.329	8.419	4.510	9.010	70.060	213.900	0.000	0.444
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:05:05	65.963%	0.737	0.837	64.021%	0.017	0.006	0.023	-0.092
2	01:05:46	66.979%	0.767	0.904	65.466%	0.011	0.005	-0.096	-0.232
3	01:06:28	67.219%	0.538	0.664	65.469%	0.005	0.005	-0.100	-0.027
X		66.720%	0.681	0.801	64.985%	0.011	0.005	-0.058	-0.117
σ		0.667%	0.124	0.124	0.835%	0.006	0.000	0.070	0.104
%RSD		0.999	18.250	15.460	1.285	55.150	3.262	121.000	89.120
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:05:05	68.898%	4.933	0.275	0.232	179.300	175.600	76.125%	77.221%
2	01:05:46	69.961%	5.282	0.223	0.251	181.700	179.400	77.754%	79.862%
3	01:06:28	71.245%	4.808	0.254	0.201	180.300	177.900	78.985%	79.900%
X		70.035%	5.008	0.251	0.228	180.400	177.700	77.621%	78.994%
σ		1.175%	0.246	0.026	0.025	1.214	1.904	1.435%	1.536%
%RSD		1.678	4.906	10.550	11.120	0.673	1.072	1.849	1.944
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	01:05:05	0.194	0.214	0.502	0.663	0.568	74.837%		
2	01:05:46	0.172	0.156	0.562	0.454	0.526	77.068%		
3	01:06:28	0.176	0.144	0.550	0.479	0.517	78.191%		
X		0.181	0.171	0.538	0.532	0.537	76.699%		
σ		0.012	0.037	0.032	0.114	0.028	1.707%		
%RSD		6.654	21.740	5.861	21.410	5.138	2.226		

180-17288-A-9-A 12/30/2012 1:08:41 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:09:23	83.211%	-0.031	45.880	45.080	0.000	202200.000	50020.000	50410.000
2	01:10:04	82.763%	0.007	46.610	46.830	0.000	203000.000	51020.000	51330.000
3	01:10:46	85.376%	0.079	50.320	44.480	0.000	200000.000	50510.000	50940.000
X		83.783%	0.018	47.600	45.460	0.000	201700.000	50520.000	50890.000
σ		1.398%	0.055	2.383	1.221	0.000	1559.000	498.200	463.200
%RSD		1.668	304.100	5.005	2.686	0.000	0.773	0.986	0.910
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:09:23	154.600	9649.000	0.000	4035.000	64900.000	65760.000	65.059%	12.180
2	01:10:04	156.700	9771.000	0.000	4094.000	66340.000	66160.000	65.492%	11.070
3	01:10:46	152.600	9631.000	0.000	4098.000	67410.000	66410.000	66.083%	10.890
X		154.600	9684.000	0.000	4076.000	66220.000	66110.000	65.545%	11.380
σ		2.036	76.170	0.000	35.620	1256.000	326.000	0.514%	0.701
%RSD		1.317	0.787	0.000	0.874	1.897	0.493	0.785	6.160
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:09:23	-2.458	0.549	436.700	48310.000	49060.000	0.384	0.920	3.087
2	01:10:04	-2.581	0.690	442.700	48120.000	49720.000	0.312	0.584	3.179
3	01:10:46	-3.002	0.734	441.100	47820.000	49820.000	0.386	1.150	3.239
X		-2.680	0.657	440.200	48080.000	49530.000	0.361	0.884	3.168
σ		0.285	0.097	3.109	244.700	415.800	0.042	0.285	0.076
%RSD		10.640	14.680	0.706	0.509	0.840	11.760	32.170	2.410
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:09:23	2.656	3.970	3.928	12.200	0.258	-0.892	0.000	631.700
2	01:10:04	2.240	3.810	4.019	11.860	-1.092	-0.768	0.000	643.900
3	01:10:46	3.589	3.309	4.114	10.870	-0.135	-0.105	0.000	645.800
X		2.828	3.696	4.020	11.640	-0.323	-0.589	0.000	640.500
σ		0.691	0.345	0.093	0.689	0.695	0.423	0.000	7.668
%RSD		24.430	9.332	2.307	5.913	215.200	71.880	0.000	1.197
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:09:23	67.886%	0.486	0.414	65.288%	0.005	0.011	-0.078	-0.197
2	01:10:04	68.857%	0.313	0.428	66.972%	0.005	0.005	-0.053	-0.010
3	01:10:46	69.833%	0.384	0.439	67.629%	-0.001	-0.007	-0.006	-0.101
X		68.859%	0.395	0.427	66.630%	0.003	0.003	-0.046	-0.103
σ		0.974%	0.087	0.013	1.207%	0.003	0.009	0.036	0.094
%RSD		1.414	22.060	2.929	1.812	113.600	295.900	79.410	91.270
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:09:23	70.094%	4.756	0.193	0.144	226.200	220.600	77.339%	78.188%
2	01:10:04	72.515%	4.521	0.157	0.183	222.600	224.400	78.876%	81.357%
3	01:10:46	72.645%	4.054	0.139	0.182	230.600	222.000	79.976%	82.184%
X		71.751%	4.444	0.163	0.169	226.500	222.300	78.730%	80.576%
σ		1.437%	0.358	0.027	0.022	4.004	1.883	1.324%	2.109%
%RSD		2.003	8.045	16.780	13.190	1.768	0.847	1.682	2.618
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	01:09:23	0.082	0.087	0.797	0.761	0.730	74.217%		
2	01:10:04	0.092	0.092	0.746	0.667	0.743	78.395%		
3	01:10:46	0.047	0.069	0.697	0.696	0.726	79.532%		
X		0.074	0.083	0.747	0.708	0.733	77.381%		
σ		0.024	0.012	0.050	0.048	0.009	2.799%		
%RSD		32.190	14.790	6.695	6.817	1.184	3.617		

180-17288-A-10-A 12/30/2012 1:12:59 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:13:40	83.083%	0.081	122.600	120.400	0.000	114900.000	30100.000	30150.000
2	01:14:22	85.577%	0.187	118.600	116.700	0.000	113900.000	30280.000	30420.000
3	01:15:03	86.724%	0.113	127.900	113.600	0.000	113000.000	29910.000	30200.000
X		85.128%	0.127	123.100	116.900	0.000	113900.000	30090.000	30260.000
σ		1.862%	0.054	4.684	3.423	0.000	991.500	184.800	142.600
%RSD		2.187	42.800	3.807	2.928	0.000	0.870	0.614	0.471
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:13:40	81.860	10850.000	0.000	7220.000	78380.000	77290.000	66.037%	10.200
2	01:14:22	86.490	10950.000	0.000	7314.000	78940.000	78620.000	66.417%	10.290
3	01:15:03	85.030	10910.000	0.000	7349.000	79030.000	78740.000	66.974%	9.970
X		84.460	10900.000	0.000	7294.000	78780.000	78220.000	66.476%	10.150
σ		2.368	46.890	0.000	67.110	353.900	808.400	0.471%	0.164
%RSD		2.803	0.430	0.000	0.920	0.449	1.034	0.709	1.619
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:13:40	0.752	1.957	523.600	57300.000	58070.000	0.457	3.863	7.266
2	01:14:22	2.003	2.113	530.900	57340.000	59170.000	0.559	4.503	7.395
3	01:15:03	0.918	1.900	531.900	57070.000	59240.000	0.491	3.622	7.557
X		1.224	1.990	528.800	57240.000	58830.000	0.502	3.996	7.406
σ		0.680	0.110	4.527	146.900	658.100	0.052	0.455	0.146
%RSD		55.520	5.544	0.856	0.257	1.119	10.340	11.400	1.964
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:13:40	6.451	34.420	34.180	19.530	-0.513	-0.468	0.000	691.800
2	01:14:22	6.961	31.850	30.640	18.410	-0.424	0.499	0.000	701.300
3	01:15:03	6.970	33.340	36.480	20.660	-0.179	-0.039	0.000	698.500
X		6.794	33.200	33.770	19.530	-0.372	-0.003	0.000	697.200
σ		0.297	1.292	2.946	1.126	0.173	0.484	0.000	4.891
%RSD		4.374	3.892	8.726	5.763	46.600	18840.000	0.000	0.702
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:13:40	68.589%	0.519	0.495	67.177%	-0.001	0.011	0.022	0.040
2	01:14:22	69.839%	0.519	0.556	68.522%	0.054	0.022	0.005	-0.027
3	01:15:03	70.557%	0.495	0.538	69.301%	0.021	0.005	-0.010	-0.078
X		69.662%	0.511	0.530	68.333%	0.025	0.013	0.006	-0.022
σ		0.996%	0.014	0.031	1.075%	0.028	0.009	0.016	0.059
%RSD		1.429	2.744	5.901	1.573	112.300	70.830	279.700	271.700
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:13:40	71.831%	3.605	0.363	0.424	173.200	168.000	78.373%	80.756%
2	01:14:22	73.163%	4.010	0.417	0.509	171.200	172.000	81.888%	83.017%
3	01:15:03	73.742%	3.704	0.404	0.529	169.700	170.300	80.944%	83.495%
X		72.912%	3.773	0.395	0.487	171.400	170.100	80.402%	82.423%
σ		0.980%	0.212	0.028	0.056	1.778	1.981	1.820%	1.463%
%RSD		1.344	5.606	7.201	11.390	1.037	1.165	2.263	1.775
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	01:13:40	0.065	0.071	1.568	1.518	1.524	77.449%		
2	01:14:22	0.089	0.088	1.528	1.465	1.524	80.467%		
3	01:15:03	0.072	0.084	1.468	1.376	1.450	81.928%		
X		0.076	0.081	1.522	1.453	1.499	79.948%		
σ		0.013	0.009	0.050	0.072	0.042	2.284%		
%RSD		16.720	10.810	3.300	4.938	2.834	2.857		

CCV 664806 12/30/2012 1:20:06 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:20:48	76.065%	103.200	99.320	95.590	0.000	47810.000	40940.000	41030.000
2	01:21:30	77.297%	99.730	94.770	96.790	0.000	46840.000	40930.000	41150.000
3	01:22:11	77.878%	100.300	98.680	94.310	0.000	46580.000	40930.000	41230.000
X		77.080%	101.063%	97.590%	95.564%	0.000	94.154%	81.860%	82.270%
σ		0.926%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		1.201	1.840	2.520	1.297	0.000	1.369	0.015	0.249
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:20:48	457.100	4872.000	0.000	48620.000	47730.000	46680.000	72.992%	97.390
2	01:21:30	453.300	4851.000	0.000	48320.000	47740.000	47410.000	73.763%	98.090
3	01:22:11	468.600	4844.000	0.000	47960.000	47450.000	46880.000	74.761%	97.390
X		91.937%	97.113%	0.000	96.599%	95.280%	93.980%	73.838%	97.625%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.887%	n/a
%RSD		1.725	0.299	0.000	0.691	0.350	0.805	1.201	0.416
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:20:48	98.100	98.440	475.500	24750.000	24030.000	98.800	98.010	100.900
2	01:21:30	96.640	99.160	481.200	24540.000	24380.000	100.800	103.200	103.300
3	01:22:11	96.730	98.340	478.000	24320.000	24260.000	99.020	103.300	101.800
X		97.156%	98.647%	95.644%	98.139%	96.891%	99.545%	101.484%	101.998%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.842	0.455	0.597	0.869	0.733	1.110	2.963	1.227
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:20:48	102.500	99.370	102.700	100.000	96.440	97.170	0.000	97.940
2	01:21:30	101.400	99.300	102.600	100.400	96.620	102.300	0.000	96.370
3	01:22:11	105.200	102.400	103.100	97.710	92.220	98.460	0.000	97.880
X		103.047%	100.367%	102.791%	99.393%	95.092%	99.315%	0.000	97.398%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		1.866	1.782	0.251	1.480	2.622	2.695	0.000	0.912
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:20:48	73.136%	98.880	98.690	72.562%	97.610	98.680	96.940	94.860
2	01:21:30	75.823%	98.510	99.880	75.189%	97.810	98.620	98.810	97.830
3	01:22:11	76.007%	103.000	102.700	75.986%	98.900	97.550	98.110	95.540
X		74.989%	100.138%	100.420%	74.579%	98.110%	98.284%	97.953%	96.076%
σ		1.607%	n/a	n/a	1.791%	n/a	n/a	n/a	n/a
%RSD		2.143	2.503	2.043	2.402	0.710	0.652	0.966	1.619
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:20:48	75.077%	99.070	98.460	99.410	95.300	97.730	79.270%	80.212%
2	01:21:30	76.438%	99.860	99.810	100.900	96.950	98.610	81.587%	82.631%
3	01:22:11	78.464%	97.220	97.410	98.630	96.440	97.350	83.749%	84.881%
X		76.660%	98.717%	98.562%	99.661%	96.230%	97.896%	81.535%	82.574%
σ		1.704%	n/a	n/a	n/a	n/a	n/a	2.240%	2.335%
%RSD		2.223	1.370	1.221	1.179	0.876	0.660	2.748	2.828
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	01:20:48	101.000	101.000	103.900	101.400	102.600	76.239%		
2	01:21:30	101.500	101.400	103.700	103.100	103.200	79.334%		
3	01:22:11	101.200	100.800	101.600	101.900	102.000	81.278%		
X		101.245%	101.095%	103.092%	102.141%	102.578%	78.950%		
σ		n/a	n/a	n/a	n/a	n/a	2.542%		
%RSD		0.257	0.304	1.253	0.858	0.575	3.219		

CCB 10 12/30/2012 1:27:15 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:27:56	90.103%	0.003	0.934	1.943	0.000	-20.830	31.090	31.680
2	01:28:38	90.671%	0.104	0.924	1.881	0.000	26.030	51.910	52.730
3	01:29:20	90.866%	0.003	2.984	1.753	0.000	5.032	45.780	48.070
X		90.547%	0.037	1.614	1.859	0.000	3.412	42.930	44.160
σ		0.396%	0.058	1.187	0.097	0.000	23.470	10.700	11.050
%RSD		0.437	158.800	73.520	5.204	0.000	688.000	24.930	25.030
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:27:56	-0.575	1.698	0.000	8.713	105.500	60.650	86.927%	-0.027
2	01:28:38	3.126	3.571	0.000	26.180	105.800	114.500	86.710%	0.512
3	01:29:20	1.991	3.300	0.000	15.790	135.800	89.090	87.361%	0.091
X		1.514	2.856	0.000	16.890	115.700	88.070	87.000%	0.192
σ		1.896	1.012	0.000	8.785	17.420	26.930	0.331%	0.284
%RSD		125.200	35.450	0.000	52.000	15.050	30.570	0.381	147.700
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:27:56	0.197	0.047	0.606	24.050	36.220	0.093	0.008	0.408
2	01:28:38	0.091	0.173	1.353	31.800	48.810	0.120	0.068	0.620
3	01:29:20	0.123	0.074	1.039	26.590	34.910	0.130	0.147	0.499
X		0.137	0.098	0.999	27.480	39.980	0.114	0.074	0.509
σ		0.054	0.066	0.375	3.952	7.674	0.019	0.070	0.107
%RSD		39.530	67.580	37.570	14.380	19.190	16.690	93.680	20.940
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:27:56	0.401	0.484	0.608	-0.115	-0.748	-1.105	0.000	0.821
2	01:28:38	0.681	0.952	0.486	-0.222	-1.117	-0.526	0.000	1.501
3	01:29:20	0.657	0.879	0.878	0.130	-1.125	-0.660	0.000	1.116
X		0.579	0.772	0.657	-0.069	-0.997	-0.764	0.000	1.146
σ		0.155	0.252	0.201	0.180	0.215	0.303	0.000	0.341
%RSD		26.810	32.640	30.510	260.700	21.610	39.710	0.000	29.760
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:27:56	83.451%	0.164	0.238	86.575%	0.034	0.056	0.099	-0.036
2	01:28:38	84.275%	0.310	0.195	87.276%	0.091	0.084	-0.012	-0.013
3	01:29:20	84.344%	0.233	0.201	87.601%	0.073	0.026	0.061	0.004
X		84.023%	0.236	0.211	87.151%	0.066	0.056	0.049	-0.015
σ		0.497%	0.073	0.023	0.524%	0.029	0.029	0.057	0.020
%RSD		0.591	31.060	10.930	0.601	44.320	52.180	114.900	133.700
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:27:56	83.826%	0.725	0.104	0.065	0.386	0.545	82.725%	83.335%
2	01:28:38	85.266%	0.736	0.097	0.160	0.585	0.625	84.530%	85.430%
3	01:29:20	87.006%	0.638	0.070	0.119	0.294	0.466	84.677%	86.024%
X		85.366%	0.700	0.091	0.115	0.422	0.545	83.977%	84.930%
σ		1.592%	0.054	0.018	0.047	0.149	0.080	1.087%	1.413%
%RSD		1.865	7.685	19.640	41.350	35.240	14.600	1.295	1.663
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	01:27:56	0.126	0.088	0.056	0.064	0.066	85.004%		
2	01:28:38	0.108	0.103	0.072	0.127	0.099	86.509%		
3	01:29:20	0.119	0.103	0.068	0.102	0.082	87.318%		
X		0.118	0.098	0.066	0.098	0.083	86.277%		
σ		0.009	0.009	0.008	0.031	0.016	1.174%		
%RSD		7.354	9.265	12.750	32.160	19.860	1.361		

METALS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18703-1

SDG No.: _____

Batch Number: 70255 Batch Start Date: 12/27/12 16:00 Batch Analyst: McGall, LisaBatch Method: 7470A Batch End Date: 12/27/12 18:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MTH2S04 00011	MTHGICVW 00456	MTHNO3 00039	MTK2S208Liq 00017
MB 240-70255/1		7470A, 7470A/DOD		100 mL	100 mL	5 mL		2.5 mL	8 mL
LCS 240-70255/2		7470A, 7470A/DOD		100 mL	100 mL	5 mL	1 mL	2.5 mL	8 mL
240-18703-V-24	076-0140-0001-ER	7470A, 7470A/DOD	T	100 mL	100 mL	5 mL		2.5 mL	8 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	MTKMnO4Liq 00010					
MB 240-70255/1		7470A, 7470A/DOD		15 mL					
LCS 240-70255/2		7470A, 7470A/DOD		15 mL					
240-18703-V-24	076-0140-0001-ER	7470A, 7470A/DOD	T	15 mL					

Batch Notes	
Pipette ID	432085 383364
Digestion Tube/Cup Lot #	00052609

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.: 240-18703-1

SDG No.: _____

Batch Number: 70435 Batch Start Date: 12/28/12 09:20 Batch Analyst: Heakin, DavidBatch Method: 7470A Batch End Date: 12/28/12 11:20

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MTH2S04 00011	MTHGCALW 00295	MTHGICVW 00457	MTHNO3 00039
ICV 240-70435/7		7470A, 7470A/DOD		100 mL	100 mL	5 mL		0.5 mL	2.5 mL
ICB 240-70435/8		7470A, 7470A/DOD		100 mL	100 mL	5 mL			2.5 mL
CRA 240-70435/9		7470A, 7470A/DOD		100 mL	100 mL	5 mL	0.2 mL		2.5 mL
CCVL 240-70435/10		7470A, 7470A/DOD		100 mL	100 mL	5 mL	5 mL		2.5 mL
CCV 240-70435/11		7470A, 7470A/DOD		100 mL	100 mL	5 mL	5 mL		2.5 mL
CCB 240-70435/12		7470A, 7470A/DOD		100 mL	100 mL	5 mL			2.5 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	MTK2S2O8Liq 00017	MTKMnO4Liq 00010				
ICV 240-70435/7		7470A, 7470A/DOD		8 mL	15 mL				
ICB 240-70435/8		7470A, 7470A/DOD		8 mL	15 mL				
CRA 240-70435/9		7470A, 7470A/DOD		8 mL	15 mL				
CCVL 240-70435/10		7470A, 7470A/DOD		8 mL	15 mL				
CCV 240-70435/11		7470A, 7470A/DOD		8 mL	15 mL				
CCB 240-70435/12		7470A, 7470A/DOD		8 mL	15 mL				

Batch Notes	
Pipette ID	383364, 383366
Digestion Tube/Cup Lot #	00052609

Basis	Basis Description

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

7470A/DOD

Page 1 of 1

METALS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18703-1

SDG No.: _____

Batch Number: 69001 Batch Start Date: 12/17/12 09:51 Batch Analyst: Heakin, DavidBatch Method: 7471A Batch End Date: 12/17/12 10:21

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MTAQUAREGIA 00413	MTHGCALW 00292	MTHGICVW 00450	MTKMnO4Liq 00009
ICV 240-69001/7		7471A, 7471/DOD		100 mL	100 mL	5 mL		0.5 mL	15 mL
ICB 240-69001/8		7471A, 7471/DOD		100 mL	100 mL	5 mL			15 mL
CRA 240-69001/9		7471A, 7471/DOD		100 mL	100 mL	5 mL	0.2 mL		15 mL
CCV 240-69001/10		7471A, 7471/DOD		100 mL	100 mL	5 mL	5 mL		15 mL
CCB 240-69001/11		7471A, 7471/DOD		100 mL	100 mL	5 mL			15 mL

Batch Notes	
Pipette ID	383364, 383366
Digestion Tube/Cup Lot #	00052865

Basis	Basis Description

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

7471/DOD

Page 1 of 1

METALS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18703-1

SDG No.: _____

Batch Number: 69021 Batch Start Date: 12/17/12 15:15 Batch Analyst: Elshaw, DaleBatch Method: 7471A Batch End Date: 12/17/12 15:45

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MTAQUAREGIA 00413	MTHGICVW 00450	MTKMnO4Liq 00009	
MB 240-69021/1		7471A, 7471/DOD		0.60 g	100 mL	5 mL		15 mL	
LCS 240-69021/2		7471A, 7471/DOD		0.60 g	100 mL	5 mL	1 mL	15 mL	
240-18703-H-1	072SB-0092-0001- SO	7471A, 7471/DOD	T	0.54 g	100 mL	5 mL		15 mL	

Batch Notes	
Balance ID	b039
Pipette ID	432085-383364-383389
Digestion Tube/Cup Lot #	00052865

Basis	Basis Description
T	Total/NA

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

7471/DOD

Page 1 of 1

METALS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18703-1

SDG No.: _____

Batch Number: 70273 Batch Start Date: 12/27/12 15:25 Batch Analyst: Elshaw, Dale

Batch Method: 7471A Batch End Date: 12/27/12 15:55

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MTAQUAREGIA 00418	MTHGICVW 00456	MTKMnO4Liq 00010	
MB 240-70273/1		7471A, 7471/DOD		0.60 g	100 mL	5 mL		15 mL	
LCS 240-70273/2		7471A, 7471/DOD		0.60 g	100 mL	5 mL	1 mL	15 mL	
240-18703-H-8	072SB-0082-0001-SO	7471A, 7471/DOD	T	0.56 g	100 mL	5 mL		15 mL	
240-18703-H-8 DU	072SB-0082-0001-SO	7471A, 7471/DOD	T	0.56 g	100 mL	5 mL		15 mL	
240-18703-H-8 MS	072SB-0082-0001-SO	7471A, 7471/DOD	T	0.56 g	100 mL	5 mL	0.2 mL	15 mL	
240-18703-H-9	072SB-0083-0001-SO	7471A, 7471/DOD	T	0.62 g	100 mL	5 mL		15 mL	
240-18703-H-10	072SB-0084-0001-SO	7471A, 7471/DOD	T	0.54 g	100 mL	5 mL		15 mL	
240-18703-H-11	072SB-0085-0001-SO	7471A, 7471/DOD	T	0.53 g	100 mL	5 mL		15 mL	
240-18703-H-12	072SB-0086-0001-SO	7471A, 7471/DOD	T	0.56 g	100 mL	5 mL		15 mL	
240-18703-H-13	072SB-0087-0001-SO	7471A, 7471/DOD	T	0.62 g	100 mL	5 mL		15 mL	
240-18703-H-14	072SB-0088-0001-SO	7471A, 7471/DOD	T	0.57 g	100 mL	5 mL		15 mL	
240-18703-H-15	072SB-0089-0001-SO	7471A, 7471/DOD	T	0.65 g	100 mL	5 mL		15 mL	
240-18703-H-16	072SB-0090-0001-SO	7471A, 7471/DOD	T	0.63 g	100 mL	5 mL		15 mL	
240-18703-H-17	072SB-0091-0001-SO	7471A, 7471/DOD	T	0.64 g	100 mL	5 mL		15 mL	
240-18703-K-18	072SB-0075-0001-SO	7471A, 7471/DOD	T	0.61 g	100 mL	5 mL		15 mL	
240-18703-I-19	072SB-0076-0001-SO	7471A, 7471/DOD	T	0.52 g	100 mL	5 mL		15 mL	
240-18703-I-20	072SB-0077-0001-SO	7471A, 7471/DOD	T	0.54 g	100 mL	5 mL		15 mL	
240-18703-H-21	072SB-0079-0001-SO	7471A, 7471/DOD	T	0.52 g	100 mL	5 mL		15 mL	
240-18703-H-22	072SB-0080-0001-SO	7471A, 7471/DOD	T	0.55 g	100 mL	5 mL		15 mL	
240-18703-I-23	072SB-0081-0001-SO	7471A, 7471/DOD	T	0.59 g	100 mL	5 mL		15 mL	

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

7471/DOD

METALS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18703-1

SDG No.: _____

Batch Number: 70273 Batch Start Date: 12/27/12 15:25 Batch Analyst: Elshaw, DaleBatch Method: 7471A Batch End Date: 12/27/12 15:55

Batch Notes	
Balance ID	b039
Pipette ID	432085-383364-383389
Digestion Tube/Cup Lot #	00052609

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 BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18703-1

SDG No.: _____

Batch Number: 70438 Batch Start Date: 12/28/12 14:17 Batch Analyst: Heakin, DavidBatch Method: 7471A Batch End Date: 12/28/12 14:47

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MTAQUAREGIA 00418	MTHGCALW 00295	MTHGICVW 00458	MTKMnO4Liq 00010
ICV 240-70438/7		7471A, 7471/DOD		100 mL	100 mL	5 mL		5 mL	15 mL
ICB 240-70438/8		7471A, 7471/DOD		100 mL	100 mL	5 mL			15 mL
CRA 240-70438/9		7471A, 7471/DOD		100 mL	100 mL	5 mL	0.2 mL		15 mL
CCV 240-70438/10		7471A, 7471/DOD		100 mL	100 mL	5 mL	5 mL		15 mL
CCB 240-70438/11		7471A, 7471/DOD		100 mL	100 mL	5 mL			15 mL

Batch Notes	
Pipette ID	383364, 383366
Digestion Tube/Cup Lot #	00052609

Basis	Basis Description

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

7471/DOD

Page 1 of 1

METALS BATCH WORKSHEET

Lab Name: TestAmerica Pittsburgh Job No.: 240-18703-1

SDG No.: _____

Batch Number: 59183 Batch Start Date: 12/17/12 12:42 Batch Analyst: Reinheimer, BillBatch Method: 3050B Batch End Date: 12/29/12 09:02

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	InitialAmount	FinalAmount	CANMS2 00001	CANMSA_High 00001	CANMSB_High 00001
MB 180-59183/1		3050B, 6020/DOD		CALC NOT SET TO RUN	1.00 g	100 mL			
LCS 180-59183/2		3050B, 6020/DOD		CALC NOT SET TO RUN	1.00 g	100 mL	1 mL	1 mL	1 mL
240-18703-I-1	072SB-0092-0001- SO	3050B, 6020/DOD	T	CALC NOT SET TO RUN	1.30 g	100 mL			

Batch Notes	
Analyst	Dale Elshaw Canton Lab
Balance ID	b039
Batch Comment	Samples were prepared in Canton Lab. Batched @ Pitt for TALS upload.
Filter Paper Lot Number	7027633
Hydrogen peroxide lot number	10 mL 0000014472
Lot # of hydrochloric acid	10 mL 0000013500
Logbook ID for diluted Nitric	5 mL K47022
Lot # of Nitric Acid	10 mL K47022
Pipette ID	383364-383389
Digestion Tube/Cup Lot #	121013

Basis	Basis Description
T	Total/NA

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

6020/DOD

Page 1 of 1

METALS BATCH WORKSHEET

Lab Name: TestAmerica Pittsburgh Job No.: 240-18703-1

SDG No.: _____

Batch Number: 59308 Batch Start Date: 12/24/12 10:00 Batch Analyst: Haluck, CaitlynBatch Method: 3005A Batch End Date: 12/24/12 14:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MTAPITTICPMS 00010	MTAPITTMSA 00012	MTAPITTMSC 00016	
MB 180-59308/1		3005A, 6020/DOD		50 mL	50 mL				
LCS 180-59308/2		3005A, 6020/DOD		50 mL	50 mL	0.5 mL	0.5 mL	0.5 mL	
LCSD 180-59308/3		3005A, 6020/DOD		50 mL	50 mL	0.5 mL	0.5 mL	0.5 mL	
240-18703-J-24	076-0140-0001-ER	3005A, 6020/DOD	R	50 mL	50 mL				

Batch Notes	
Batch Comment	METALS D1
First End time	1400
Lot # of hydrochloric acid	2.5ML 574080
Lot # of Nitric Acid	1.0ML 683534
Hot Block ID number	#1
Oven, Bath or Block Temperature 1	95
Pipette ID	J1102764U
Person who witnessed spiking	CH
First Start time	1000
ID number of the thermometer	IP1 (0.0) D6
Digestion Tube/Cup Lot #	1207143
Uncorrected Temperature	95 Celsius

Basis	Basis Description
R	Total Recoverable

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

6020/DOD

Page 1 of 1

METALS BATCH WORKSHEET

Lab Name: TestAmerica Pittsburgh Job No.: 240-18703-1

SDG No.: _____

Batch Number: 59442 Batch Start Date: 12/27/12 08:15 Batch Analyst: Ferguson, Caitlin NBatch Method: 3050B Batch End Date: 12/27/12 12:15

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	InitialAmount	FinalAmount	MTAPITTCPPMS 00010	MTAPITTMISA 00012	MTAPITTMISC 00016
MB 180-59442/1		3050B, 6020/DOD		NO %SOLIDS FOUND	00001.05 g	100 mL			
LCS 180-59442/2		3050B, 6020/DOD		NO %SOLIDS FOUND	00001.13 g	100 mL	1 mL	1 mL	1 mL
240-18703-M-8	072SB-0082-0001-SO	3050B, 6020/DOD	T	NO %SOLIDS FOUND	00001.03 g	100 mL			
240-18703-I-9	072SB-0083-0001-SO	3050B, 6020/DOD	T	NO %SOLIDS FOUND	00001.14 g	100 mL			
240-18703-I-9 MS	072SB-0083-0001-SO	3050B, 6020/DOD	T	NO %SOLIDS FOUND	00001.07 g	100 mL	1 mL	1 mL	1 mL
240-18703-I-9 MSD	072SB-0083-0001-SO	3050B, 6020/DOD	T	NO %SOLIDS FOUND	00001.03 g	100 mL	1 mL	1 mL	1 mL
240-18703-I-10	072SB-0084-0001-SO	3050B, 6020/DOD	T	NO %SOLIDS FOUND	00001.05 g	100 mL			
240-18703-I-11	072SB-0085-0001-SO	3050B, 6020/DOD	T	NO %SOLIDS FOUND	00001.05 g	100 mL			
240-18703-I-12	072SB-0086-0001-SO	3050B, 6020/DOD	T	NO %SOLIDS FOUND	00001.13 g	100 mL			
240-18703-I-13	072SB-0087-0001-SO	3050B, 6020/DOD	T	NO %SOLIDS FOUND	00001.17 g	100 mL			
240-18703-I-14	072SB-0088-0001-SO	3050B, 6020/DOD	T	NO %SOLIDS FOUND	00001.09 g	100 mL			
240-18703-I-15	072SB-0089-0001-SO	3050B, 6020/DOD	T	NO %SOLIDS FOUND	00001.08 g	100 mL			
240-18703-I-16	072SB-0090-0001-SO	3050B, 6020/DOD	T	NO %SOLIDS FOUND	00001.07 g	100 mL			
240-18703-I-17	072SB-0091-0001-SO	3050B, 6020/DOD	T	NO %SOLIDS FOUND	00001.03 g	100 mL			
240-18703-M-18	072SB-0075-0001-SO	3050B, 6020/DOD	T	NO %SOLIDS FOUND	00001.07 g	100 mL			
240-18703-J-19	072SB-0076-0001-SO	3050B, 6020/DOD	T	NO %SOLIDS FOUND	00001.08 g	100 mL			
240-18703-J-20	072SB-0077-0001-SO	3050B, 6020/DOD	T	NO %SOLIDS FOUND	00001.09 g	100 mL			
240-18703-J-21	072SB-0079-0001-SO	3050B, 6020/DOD	T	NO %SOLIDS FOUND	00001.06 g	100 mL			
240-18703-J-22	072SB-0080-0001-SO	3050B, 6020/DOD	T	NO %SOLIDS FOUND	00001.10 g	100 mL			
240-18703-J-23	072SB-0081-0001-SO	3050B, 6020/DOD	T	NO %SOLIDS FOUND	00001.15 g	100 mL			

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 2

METALS BATCH WORKSHEET

Lab Name: TestAmerica Pittsburgh Job No.: 240-18703-1

SDG No.: _____

Batch Number: 59442 Batch Start Date: 12/27/12 08:15 Batch Analyst: Ferguson, Caitlin NBatch Method: 3050B Batch End Date: 12/27/12 12:15

Batch Notes	
Analyst	CF
Balance ID	P1856710
Batch Comment	METALS B6
Blank Soil Lot Number	120925
First End time	12:15
Filter Paper Lot Number	6637617B
Hydrogen peroxide lot number	10mL 648630
Logbook ID for diluted Nitric	10mL 671814
Lot # of Nitric Acid	5mL 683534
Hot Block ID number	#10
Nominal Amount Used	1.0 g
Oven, Bath or Block Temperature 1	96 Degrees C
Pipette ID	J1102764U
Person's name who witnessed reagent drop	CF
Perform Calculation (0=No, 1=Yes)	1
First Start time	08:15
Temperature	96 Degrees C
ID number of the thermometer	IP9 (0.0) F4
Digestion Tube/Cup Lot #	MF06LKK01
Uncorrected Temperature	96 Celsius

Basis	Basis Description
T	Total/NA

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

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-18703-1
SDG No.: _____
Project: RVAAP - ECC

Client Sample ID	Lab Sample ID
<u>072SB-0092-0001-SO</u>	<u>240-18703-1</u>
<u>072SB-0082-0001-SO</u>	<u>240-18703-8</u>
<u>072SB-0083-0001-SO</u>	<u>240-18703-9</u>
<u>072SB-0084-0001-SO</u>	<u>240-18703-10</u>
<u>072SB-0085-0001-SO</u>	<u>240-18703-11</u>
<u>072SB-0086-0001-SO</u>	<u>240-18703-12</u>
<u>072SB-0087-0001-SO</u>	<u>240-18703-13</u>
<u>072SB-0088-0001-SO</u>	<u>240-18703-14</u>
<u>072SB-0089-0001-SO</u>	<u>240-18703-15</u>
<u>072SB-0090-0001-SO</u>	<u>240-18703-16</u>
<u>072SB-0091-0001-SO</u>	<u>240-18703-17</u>
<u>072SB-0075-0001-SO</u>	<u>240-18703-18</u>
<u>072SB-0076-0001-SO</u>	<u>240-18703-19</u>
<u>072SB-0077-0001-SO</u>	<u>240-18703-20</u>
<u>072SB-0079-0001-SO</u>	<u>240-18703-21</u>
<u>072SB-0080-0001-SO</u>	<u>240-18703-22</u>
<u>072SB-0081-0001-SO</u>	<u>240-18703-23</u>

Comments:

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Sacramento Job Number: 240-18703-1

SDG No.: _____

Project: RVAAP - ECC

Client Sample ID	Lab Sample ID
<u>072SB-0082-0001-SO</u>	<u>240-18703-8</u>
<u>072SB-0075-0001-SO</u>	<u>240-18703-18</u>
<u>076-0140-0001-ER</u>	<u>240-18703-24</u>

Comments:

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 072SB-0082-0001-SO Lab Sample ID: 240-18703-8

Lab Name: TestAmerica Sacramento Job No.: 240-18703-1

SDG ID.:

Matrix: Solid Date Sampled: 12/10/2012 10:45

Reporting Basis: DRY Date Received: 12/11/2012 18:02

% Solids: 84.5

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Nitrocellulose	9.5	49	18	7.6	mg/Kg	J		1	WS-WC-00 50

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 072SB-0075-0001-SO	Lab Sample ID: 240-18703-18
Lab Name: TestAmerica Sacramento	Job No.: 240-18703-1
SDG ID.:	
Matrix: Solid	Date Sampled: 12/10/2012 13:45
Reporting Basis: DRY	Date Received: 12/11/2012 18:02
% Solids: 87.2	

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Nitrocellulose	11	55	20	8.6	mg/Kg	J		1	WS-WC-0050

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 076-0140-0001-ER Lab Sample ID: 240-18703-24
Lab Name: TestAmerica Sacramento Job No.: 240-18703-1
SDG ID.:
Matrix: Water Date Sampled: 12/09/2012 10:30
Reporting Basis: WET Date Received: 12/11/2012 18:02

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Nitrocellulose	1.0	2.0	1.0	0.48	mg/L	U		1	WS-WC-00 50

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Sacramento Job No.: 240-18703-1
SDG No.: _____
Analyst: JB Batch Start Date: 12/27/2012
Reporting Units: mg/L Analytical Batch No.: 8009

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
8	ICV	13:19	Nitrocellulose	8.41	8.40	100	90-110		WC-353.2-ICV_00015
9	ICB	13:21	Nitrocellulose	1.0				U	
21	CCV	13:45	Nitrocellulose	8.36	8.40	100	90-110		WC-353.2-L4_00010
22	CCB	13:47	Nitrocellulose	1.0				U	

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

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Sacramento Job No.: 240-18703-1
SDG No.: _____
Analyst: JB Batch Start Date: 12/20/2012
Reporting Units: mg/L Analytical Batch No.: 8137

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
8	ICV	12:02	Nitrocellulose	8.45	8.40	101	90-110		WC-353.2-ICV_00015
9	ICB	12:04	Nitrocellulose	1.0				U	
21	CCV	12:28	Nitrocellulose	8.51	8.40	101	90-110		WC-353.2-L4_00010
22	CCB	12:30	Nitrocellulose	1.0				U	
35	CCV	12:56	Nitrocellulose	8.60	8.40	102	90-110		WC-353.2-L4_00010
36	CCB	12:58	Nitrocellulose	1.0				U	
48	CCV	13:22	Nitrocellulose	8.50	8.40	101	90-110		WC-353.2-L4_00010
49	CCB	13:24	Nitrocellulose	1.0				U	

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

3-IN
METHOD BLANK
GENERAL CHEMISTRY

Lab Name: TestAmerica Sacramento Job No.: 240-18703-1

SDG No.: _____

Method	Lab Sample ID	Analyte	Result	Qual	Units	LOQ	Dil
Batch ID: 8137	Date: 12/20/2012 12:16	Prep Batch: 7638	Date: 12/20/2012 08:01				
WS-WC-0050	MB 320-7571/1-B	Nitrocellulose	1.31	J	mg/Kg	5.0	1
Batch ID: 8009	Date: 12/27/2012 13:33	Prep Batch: 7878	Date: 12/27/2012 06:07				
WS-WC-0050	MB 320-7816/1-B	Nitrocellulose	1.0	U	mg/L	2.0	1

5-IN
MATRIX SPIKE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: TestAmerica Sacramento Job No.: 240-18703-1

SDG No.: _____

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 8009 Date: 12/27/2012 13:39 Prep Batch: 7878 Date: 12/27/2012 06:07											
WS-WC-0 050	240-18703-24	Nitrocellulose	1.0	U	mg/L						
WS-WC-0 050	240-18703-24	Nitrocellulose	5.00		mg/L	5.10	98	26-144			
	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 Sacramento Job No.: 240-18703-1

SDG No.: _____

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 8009 Date: 12/27/2012 13:41 Prep Batch: 7878 Date: 12/27/2012 06:07											
WS-WC-0 050	240-18703-24 MSD	Nitrocellulose	5.05		mg/L	5.10	99	26-144	1	45	

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

7A-IN
LAB CONTROL SAMPLE
GENERAL CHEMISTRY

Lab Name: TestAmerica Sacramento Job No.: 240-18703-1

SDG No.: _____

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 8137 Date: 12/20/2012 12:18 Prep Batch: 7638 Date: 12/20/2012 08:01											
LCS Source: HPNCSP_00007											
WS-WC-0 050	LCS 320-7571/2-B	Nitrocellulose	33.3		mg/Kg	51.0	65	34-115			

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

7A-IN
LAB CONTROL SAMPLE
GENERAL CHEMISTRY

Lab Name: TestAmerica Sacramento Job No.: 240-18703-1

SDG No.: _____

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 8009 Date: 12/27/2012 13:35 Prep Batch: 7878 Date: 12/27/2012 06:07											
LCS Source: HPNCSP_00007											
WS-WC-0 050	LCS 320-7816/2-B	Nitrocellulose	5.13		mg/L	5.10	101	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.: 240-18703-1

SDG No.: _____

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 8137 Date: 12/20/2012 12:06											
						LCS Source: WC-353.2-L1_00014					
WS-WC-0 050	MRL 320-8137/10	Nitrocellulose	1.0	U	mg/L	0.420	108	70-130			
Batch ID: 8137 Date: 12/20/2012 12:26											
						LCS Source: WC-353.2-L1_00014					
WS-WC-0 050	MRL 320-8137/20	Nitrocellulose	0.538	J	mg/L	0.420	128	70-130			
Batch ID: 8137 Date: 12/20/2012 12:54											
						LCS Source: WC-353.2-L1_00014					
WS-WC-0 050	MRL 320-8137/34	Nitrocellulose	0.546	J	mg/L	0.420	130	70-130			
Batch ID: 8137 Date: 12/20/2012 13:20											
						LCS Source: WC-353.2-L1_00014					
WS-WC-0 050	MRL 320-8137/47	Nitrocellulose	0.529	J	mg/L	0.420	126	70-130			

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

7A-IN
METHOD REPORTING LIMIT CHECK
GENERAL CHEMISTRY

Lab Name: TestAmerica Sacramento Job No.: 240-18703-1

SDG No.: _____

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 8009 Date: 12/27/2012 13:23											
						LCS Source: WC-353.2-L1_00014					
WS-WC-0 050	MRL 320-8009/10	Nitrocellulose	1.0	U	mg/L	0.420	94	70-130			
Batch ID: 8009 Date: 12/27/2012 13:43											
						LCS Source: WC-353.2-L1_00014					
WS-WC-0 050	MRL 320-8009/20	Nitrocellulose	1.0	U	mg/L	0.420	104	70-130			

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

FORM VIIA-IN

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-18703-1
SDG Number: _____
Matrix: Solid Instrument ID: NOEQUIP
Method: Moisture LOQ Date: 01/28/2010 09:24

Analyte	Wavelength/ Mass	LOQ (%)	
Percent Moisture		0.1	
Percent Solids		0.1	

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-18703-1
SDG Number: _____
Matrix: Solid Instrument ID: NOEQUIP
Method: Moisture XRL Date: 01/28/2010 09:24

Analyte	Wavelength/ Mass	XRL (mg/L)	
Percent Moisture		10	
Percent Solids		10	

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Sacramento Job Number: 240-18703-1
SDG Number: _____
Matrix: Solid Instrument ID: FS4
Method: WS-WC-0050 DL Date: 03/15/2011 14:37
Prep Method: 353 (NCell-Hyd)

Analyte	Wavelength/ Mass	LOQ (mg/Kg)	DL (mg/Kg)
Nitrocellulose		5	0.78

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Sacramento Job Number: 240-18703-1
SDG Number: _____
Matrix: Solid Instrument ID: FS4
Method: WS-WC-0050 XMDL Date: 03/15/2011 14:36

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Nitrocellulose		2	0.475

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Sacramento Job Number: 240-18703-1
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: 240-18703-1
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: 240-18703-1

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.: 240-18703-1

SDG No.: _____

Prep Method: 353 (NCell-Hyd)

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 320-7571/1-B	12/20/2012 08:01	7638		45	40
LCS 320-7571/2-B	12/20/2012 08:01	7638		45	40
240-18703-8	12/20/2012 08:01	7638		45	40
240-18703-18	12/20/2012 08:01	7638		45	40

12-IN
PREPARATION LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Sacramento Job No.: 240-18703-1

SDG No.: _____

Prep Method: 353 (NCell-Hyd)

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 320-7816/1-B	12/27/2012 06:07	7878		45	40
LCS 320-7816/2-B	12/27/2012 06:07	7878		45	40
240-18703-24	12/27/2012 06:07	7878		45	40
240-18703-24 MS	12/27/2012 06:07	7878		45	40
240-18703-24 MSD	12/27/2012 06:07	7878		45	40

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-18703-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 12/13/2012 12:13 End Date: 12/13/2012 14:13

[illegible]

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-18703-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 12/13/2012 12:13 End Date: 12/13/2012 14:13

[illegible]

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-18703-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 12/13/2012 12:13 End Date: 12/13/2012 14:13

[illegible]

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-18703-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 12/13/2012 12:13 End Date: 12/13/2012 14:13

[illegible]

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-18703-1

SDG No.: _____

Instrument ID: NOEQUIP Method: Moisture

Start Date: 12/13/2012 12:13 End Date: 12/13/2012 14:13

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Sacramento Job No.: 240-18703-1

SDG No.: _____

Instrument ID: FS4 Method: WS-WC-0050

Start Date: 12/20/2012 11:48 End Date: 12/20/2012 13:26

Lab Sample ID	D / F	T y p e	Time	Analytes															
				N C L															
ZZZZZZ			11:48																
STD0 320-8137/2 IC			11:50	X															
STD1 320-8137/3 IC			11:52	X															
STD2 320-8137/4 IC			11:54	X															
STD3 320-8137/5 IC			11:56	X															
STD4 320-8137/6 IC			11:58	X															
STD5 320-8137/7 IC			12:00	X															
ICV 320-8137/8	1		12:02	X															
ICB 320-8137/9	1		12:04	X															
MRL 320-8137/10	1	T	12:06	X															
ZZZZZZ			12:08																
ZZZZZZ			12:10																
ZZZZZZ			12:12																
ZZZZZZ			12:14																
MB 320-7571/1-B	1	T	12:16	X															
LCS 320-7571/2-B	1	T	12:18	X															
ZZZZZZ			12:20																
ZZZZZZ			12:22																
ZZZZZZ			12:24																
MRL 320-8137/20	1	T	12:26	X															
CCV 320-8137/21	1		12:28	X															
CCB 320-8137/22	1		12:30	X															
ZZZZZZ			12:32																
ZZZZZZ			12:34																
ZZZZZZ			12:36																
ZZZZZZ			12:38																
ZZZZZZ			12:40																
ZZZZZZ			12:42																
ZZZZZZ			12:44																
ZZZZZZ			12:46																
ZZZZZZ			12:48																
ZZZZZZ			12:50																
ZZZZZZ			12:52																
MRL 320-8137/34	1	T	12:54	X															
CCV 320-8137/35	1		12:56	X															
CCB 320-8137/36	1		12:58	X															
ZZZZZZ			13:00																
ZZZZZZ			13:02																
ZZZZZZ			13:04																
ZZZZZZ			13:06																
ZZZZZZ			13:08																
ZZZZZZ			13:10																

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Sacramento Job No.: 240-18703-1

SDG No.: _____

Instrument ID: FS4 Method: WS-WC-0050

Start Date: 12/20/2012 11:48 End Date: 12/20/2012 13:26

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				N C L																	
ZZZZZZ			13:12																		
ZZZZZZ			13:14																		
240-18703-8	1	T	13:16	X																	
240-18703-18	1	T	13:18	X																	
MRL 320-8137/47	1	T	13:20	X																	
CCV 320-8137/48	1		13:22	X																	
CCB 320-8137/49	1		13:24	X																	
ZZZZZZ			13:26																		

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Sacramento Job No.: 240-18703-1

SDG No.: _____

Instrument ID: FS4 Method: WS-WC-0050

Start Date: 12/27/2012 13:05 End Date: 12/27/2012 14:11

Lab Sample ID	D / F	T y p e	Time	Analytes															
				N C L															
ZZZZZZ			13:05																
STDO 320-8009/2 IC			13:07	X															
STD1 320-8009/3 IC			13:09	X															
STD2 320-8009/4 IC			13:11	X															
STD3 320-8009/5 IC			13:13	X															
STD4 320-8009/6 IC			13:15	X															
STD5 320-8009/7 IC			13:17	X															
ICV 320-8009/8	1		13:19	X															
ICB 320-8009/9	1		13:21	X															
MRL 320-8009/10	1	T	13:23	X															
ZZZZZZ			13:25																
ZZZZZZ			13:27																
ZZZZZZ			13:29																
ZZZZZZ			13:31																
MB 320-7816/1-B	1	T	13:33	X															
LCS 320-7816/2-B	1	T	13:35	X															
240-18703-24	1	T	13:37	X															
240-18703-24 MS	1	T	13:39	X															
240-18703-24 MSD	1	T	13:41	X															
MRL 320-8009/20	1	T	13:43	X															
CCV 320-8009/21	1		13:45	X															
CCB 320-8009/22	1		13:47	X															
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																
CCV 320-8009/32			14:07																
CCB 320-8009/33			14:09																
ZZZZZZ			14:11																

Prep Types

T = Total/NA

File name: Z:\GENCHEM\ALPKEM~2\2012\NITROC~1\122012A.RST

Date: 20-Dec-12

Operator: JB

Peak	Cup	Name	R	Type	Dil	Wt	Height	Calc. (ppm)	Flags
1	105	Sync	1	SYNC		1	122929	0.990354	
B	0	Baseline	1	RB		1	0	0.013152	BL
3	0	Cal 0	1	C		1	-20	0.012989	
4	102	Cal 1	1	C		1	5229	0.054721	
5	103	Cal 2	1	C		1	21807	0.186504	
6	104	Cal 3	1	C		1	47888	0.393828	
7	105	Cal 4	1	C		1	124015	0.998986	
8	106	Cal 5	1	C		1	250313	2.002973	HI
9	107	ICV	1	U		1	124782	1.005084	FL
10	0	BLANK/ICB	1	BLNK		1	181	0.014592	
11	102	MRL	1	U		1	5127	0.053904	
12	108	N02 1PPM	1	U		1	122267	0.985090	
13	109	N03 1PPM	1	U		1	122430	0.986390	
14	0	Blank	1	BLNK		1	-19	0.013000	
B	0	Baseline	1	RB		1	0	0.013152	BL
16	113	mb 320-7571/1-b	1	U		1	3275	0.039184	
17	114	lcs 320-7571/2-b	1	U		1	123058	0.991384	
18	115	240-18544-i-3-d	1	U		1	1961	0.028741	
19	116	240-18544-f-16-d	1	U		1	1786	0.027351	
20	117	240-18544-x-19-b	1	U		1	1774	0.027253	
21	102	MRL	1	U		1	6336	0.063521	
22	105	CCV	1	U		1	125772	1.012956	
23	0	Blank	1	BLNK		1	56	0.013600	
B	0	Baseline	1	RB		1	0	0.013152	BL
25	118	240-18544-a-19-h	ms	1	U	1	73472	0.597208	
26	119	240-18544-a-19-i	msd	1	U	1	78722	0.638942	
27	120	240-18544-f-20-d	1	U		1	1820	0.027615	
28	121	240-18544-f-21-d	1	U		1	2099	0.029838	
29	122	240-18544-f-22-d	1	U		1	1977	0.028868	
30	123	240-18544-f-23-d	1	U		1	1822	0.027638	
31	124	240-18544-f-24-d	1	U		1	1742	0.027003	
32	125	240-18544-f-25-d	1	U		1	1773	0.027248	
33	126	240-18544-f-26-d	1	U		1	1986	0.028940	
34	127	240-18544-f-27-d	1	U		1	1462	0.024770	
35	102	MRL	1	U		1	6490	0.064740	
36	105	CCV	1	U		1	127048	1.023097	
37	0	BLANK	1	BLNK		1	101	0.013951	
B	0	Baseline	1	RB		1	0	0.013152	BL
39	128	240-18544-f-28-d	1	U		1	1879	0.028085	
40	129	240-18544-f-29-d	1	U		1	2032	0.029305	
41	130	240-18544-i-31-d	1	U		1	2215	0.030760	
42	131	240-18544-f-33-d	1	U		1	1512	0.025171	
43	132	240-18581-n-1-b	1	U		1	1457	0.024735	
44	133	240-18581-n-3-b	1	U		1	2117	0.029977	
45	134	240-18581-l-5-b	1	U		1	1594	0.025827	
46	135	240-18703-i-8-d	1	U		1	2045	0.029408	
47	136	240-18703-l-18-d	1	U		1	2211	0.030728	
48	102	MRL	1	U		1	6246	0.062800	
49	105	CCV	1	U		1	125700	1.012387	
50	0	BLANK	1	BLNK		1	48	0.013536	
B	0	Baseline	1	RB		1	0	0.013152	BL

Cup	Name	S	1:Time	1:Value	1:S
0	Baseline	C	11:48:39	0.01	[C]
0	Cal 0	C	11:50:39	0.01	[C]
102	Cal 1	C	11:52:40	0.05	[C]
103	Cal 2	C	11:54:40	0.19	[C]
104	Cal 3	C	11:56:40	0.39	[C]
105	Cal 4	C	11:58:40	1.00	[C]
106	Cal 5	C	12:00:40	2.00	[C]
107	ICV	-	12:02:40	1.01	[-]
0	BLANK/ICB	C	12:04:41	0.01	[C]
102	MRL	-	12:06:41	0.05	[-]
108	N02 1PPM	-	12:08:41	0.99	[-]
109	N03 1PPM	-	12:10:41	0.99	[-]
0	Blank	C	12:12:41	0.01	[C]
0	Baseline	C	12:14:41	0.01	[C]
113	mb 320-7571/1-b	-	12:16:42	0.04	[-]
114	lcs 320-7571/2-b	-	12:18:42	0.99	[-]
115	240-18544-i-3-d	-	12:20:42	0.03	[-]
116	240-18544-f-16-d	-	12:22:42	0.03	[-]
117	240-18544-x-19-b	-	12:24:42	0.03	[-]
102	MRL	-	12:26:42	0.06	[-]
105	CCV	-	12:28:43	1.01	[-]
0	Blank	C	12:30:43	0.01	[C]
0	Baseline	C	12:32:43	0.01	[C]
118	240-18544-a-19-h	ms -	12:34:43	0.60	[-]
119	240-18544-a-19-i	msd -	12:36:43	0.64	[-]
120	240-18544-f-20-d	-	12:38:44	0.03	[-]
121	240-18544-f-21-d	-	12:40:44	0.03	[-]
122	240-18544-f-22-d	-	12:42:44	0.03	[-]
123	240-18544-f-23-d	-	12:44:44	0.03	[-]
124	240-18544-f-24-d	-	12:46:44	0.03	[-]
125	240-18544-f-25-d	-	12:48:44	0.03	[-]
126	240-18544-f-26-d	-	12:50:45	0.03	[-]
127	240-18544-f-27-d	-	12:52:45	0.02	[-]
102	MRL	-	12:54:45	0.06	[-]
105	CCV	-	12:56:45	1.02	[-]
0	BLANK	C	12:58:45	0.01	[C]
0	Baseline	C	13:00:46	0.01	[C]
128	240-18544-f-28-d	-	13:02:46	0.03	[-]
129	240-18544-f-29-d	-	13:04:46	0.03	[-]
130	240-18544-i-31-d	-	13:06:46	0.03	[-]
131	240-18544-f-33-d	-	13:08:46	0.03	[-]
132	240-18581-n-1-b	-	13:10:46	0.02	[-]
133	240-18581-n-3-b	-	13:12:47	0.03	[-]
134	240-18581-l-5-b	-	13:14:47	0.03	[-]
135	240-18703-i-8-d	-	13:16:47	0.03	[-]
136	240-18703-l-18-d	-	13:18:47	0.03	[-]
102	MRL	-	13:20:47	0.06	[-]
105	CCV	-	13:22:47	1.01	[-]
0	BLANK	C	13:24:48	0.01	[C]
0	Baseline	C	13:26:48	0.01	[C]

File name: Z:\GENCHEM\ALPKEM~2\2012\NITROC~1\122012A.RST

Date: 20-Dec-12

Operator: JB

* Name	Conc	Height
* Cal 0	0.000000	-20.487640
* Cal 1	0.050000	5229.244141
* Cal 2	0.200000	21807.140625
* Cal 3	0.400000	47887.773438
* Cal 4	1.000000	124014.531250
* Cal 5	2.000000	250312.718750

Calib Coef:

y=bx+a

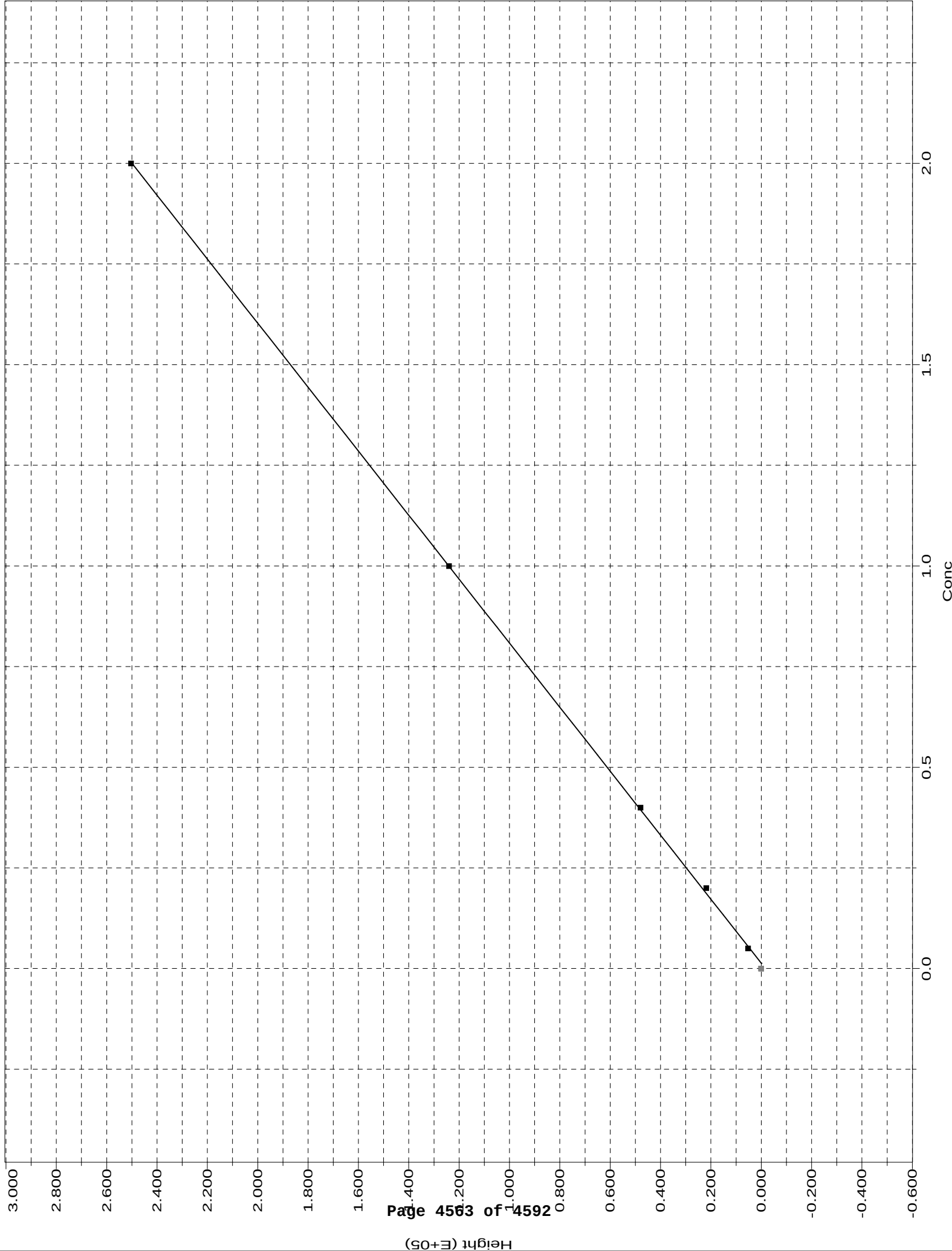
a: (intercept) -1.6544e+03

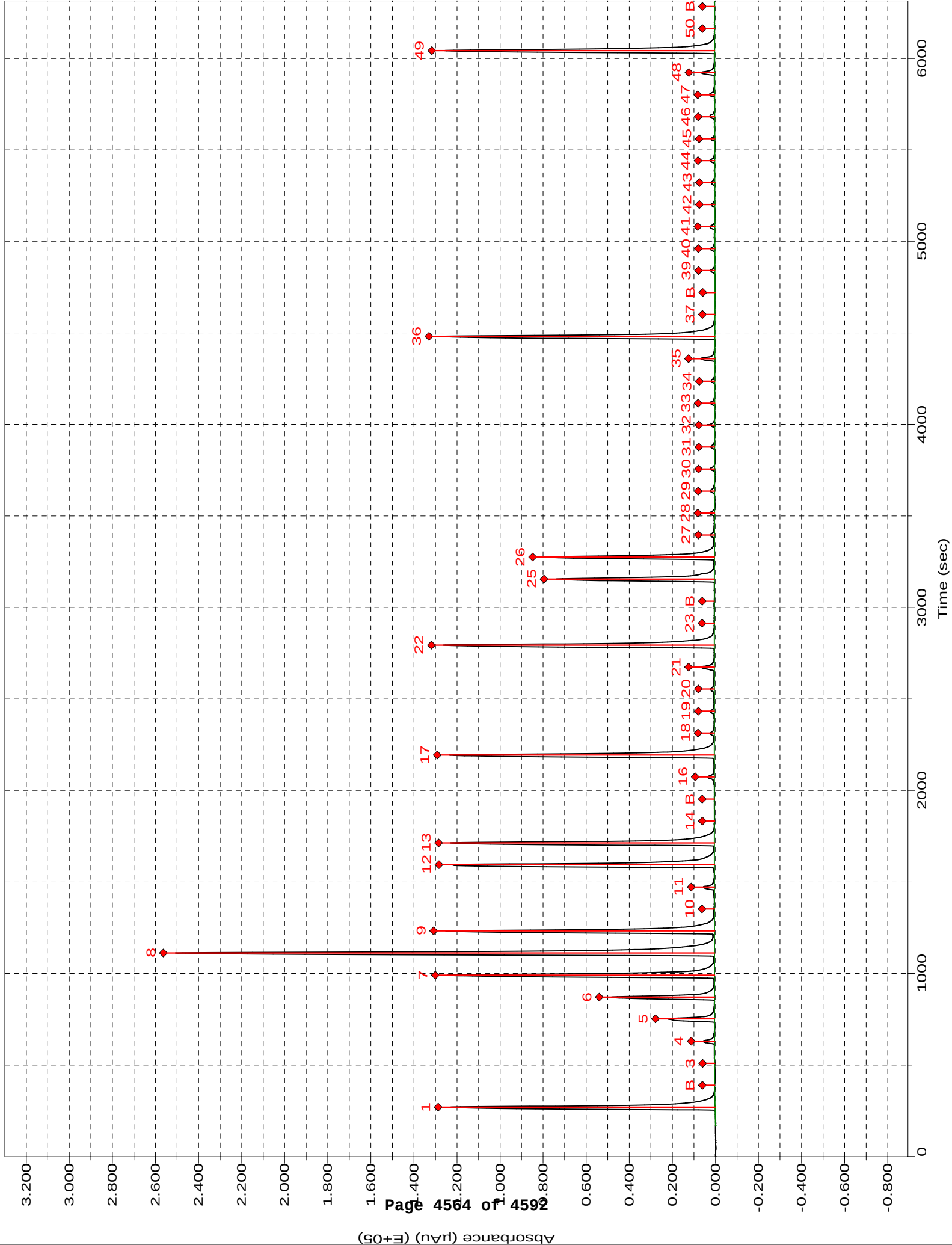
b: 1.2580e+05

Corr Coef: 0.999929

Carryover: n/a

No Drift Peaks





Level I and Level II Review Checklist General Chemistry

Instrument ID FS4		WS-WC - 0050 NCell		
Batch 8137	File # 122012A	Date 12/20/12	Analyst JL	
Lot Numbers 240-18581, 240-18703		YES	NO	NA
LEVEL 1 Review:				
1. Samples properly preserved/verified		/		
2. Run setup meets Std criteria (Curve, ICV/ICB, CCV etc.)		/		
3. Calibration criteria met ($R=0.995$, $R^2=0.990$)		/		
4. Interception criteria for quadratic fits + or - 1/2 the RL				/
5. Second source std in control		/		
6. Batch QC in control (LCS, MB, MS/MSD, DCS if necessary)		/		
7. Calculations checked		/		
8. QAS/QAPP consulted for client specific requirements		/		
9. Standard tracking #'s recorded on runlog/benchsheet		/		
10. Manual integration performed, documented & approved				/
11. Copy of run log included with data package		/		
12. Copy of conductivity screen logbook (314.0 only)				/
LEVEL 1 Data Review:				
1. Benchsheet complete		/		
2. QAS/QAPP Consulted for client specific data entry		/		
3. Copy of prep sheet/checklist submitted		/		
4. NCM(s) submitted		/		

COMMENTS: _____

REVIEWED BY: LW	DATA ENTERED BY: JL
DATE: 1/2/13	DATE: 12/28/12 + 1/2/13

File name: Z:\GENCHEM\ALPKEM~2\2012\NITROC~1\122712A.RST

Date: 27-Dec-12

Operator: JB

Peak	Cup	Name	R	Type	Dil	Wt	Height	Calc. (ppm)	Flags
1	105	Sync	1	SYNC		1	1	126535	0.994448
B	0	Baseline	1	RB		1	1	0	-0.008587 BL
3	0	Cal 0	1	C		1	1	-65	-0.009101 LO
4	102	Cal 1	1	C		1	1	8294	0.057159
5	103	Cal 2	1	C		1	1	26707	0.203121
6	104	Cal 3	1	C		1	1	51236	0.397558
7	105	Cal 4	1	C		1	1	127555	1.002533
8	106	Cal 5	1	C		1	1	253228	1.998731
9	107	ICV	1	U		1	1	127315	1.000627
10	0	BLANK/ICB	1	BLNK		1	1	219	-0.006853 LO
11	102	MRL	1	U		1	1	7034	0.047168
12	108	NO2 1PPM	1	U		1	1	127518	1.002237
13	109	NO3 1PPM	1	U		1	1	126350	0.992981
14	0	Blank	1	BLNK		1	1	-23	-0.008772 LO
B	0	Baseline	1	RB		1	1	0	-0.008587 BL
16	113	mb 320-7816/1-b	1	U		1	1	5036	0.031336
17	114	lcs 320-7816/2-b	1	U		1	1	193406	1.524529
18	115	240-18703-s-24-g	1	U		1	1	5086	0.031730
19	116	240-18703-s-24-h	ms	1	U	1	1	188812	1.488111
20	117	240-18703-s-24-i	msd	1	U	1	1	190655	1.502721
21	102	MRL	1	U		1	1	7631	0.051901
22	105	CCV	1	U		1	1	126549	0.994556
23	0	Blank	1	BLNK		1	1	-115	-0.009501 LO
B	0	Baseline	1	RB		1	1	0	-0.008587 BL
25	118	240-18735-q-3-c	1	U		1	1	3286	0.017461
26	119	240-18735-q-4-c	1	U		1	1	6143	0.040106
27	120	MB	1	U		1	1	42	-0.008254 LO
28	121	LCS	1	U		1	1	126110	0.991075
29	122	320-1301-c-1	1	U		1	1	105799	0.830072
30	123	MS 320-1301-c-1	1	U		1	1	206937	1.631782
31	124	MSD 320-1301-c-1	1	U		1	1	208023	1.640392
32	102	MRL	1	U		1	1	6955	0.046542
33	105	CCV	1	U		1	1	127273	1.000294
34	0	BLANK	1	BLNK		1	1	2	-0.008573 LO
B	0	Baseline	1	RB		1	1	0	-0.008587 BL

Cup	Name	S	1:Time	1:Value	1:S
0	Baseline	C	13:05:43	-0.01	[C]
0	Cal 0	C	13:07:43	-0.01	[C]
102	Cal 1	C	13:09:43	0.06	[C]
103	Cal 2	C	13:11:44	0.20	[C]
104	Cal 3	C	13:13:44	0.40	[C]
105	Cal 4	C	13:15:44	1.00	[C]
106	Cal 5	C	13:17:44	2.00	[C]
107	ICV	-	13:19:44	1.00	[-]
0	BLANK/ICB	C	13:21:44	-0.01	[C]
102	MRL	-	13:23:45	0.05	[-]
108	N02 1PPM	-	13:25:45	1.00	[-]
109	N03 1PPM	-	13:27:45	0.99	[-]
0	Blank	C	13:29:45	-0.01	[C]
0	Baseline	C	13:31:45	-0.01	[C]
113	mb 320-7816/1-b	-	13:33:45	0.03	[-]
114	lcs 320-7816/2-b	-	13:35:46	1.52	[-]
115	240-18703-s-24-g	-	13:37:46	0.03	[-]
116	240-18703-s-24-h	ms -	13:39:46	1.49	[-]
117	240-18703-s-24-i	msd -	13:41:46	1.50	[-]
102	MRL	-	13:43:46	0.05	[-]
105	CCV	-	13:45:46	0.99	[-]
0	Blank	C	13:47:47	-0.01	[C]
0	Baseline	C	13:49:47	-0.01	[C]
118	240-18735-q-3-c	-	13:51:47	0.02	[-]
119	240-18735-q-4-c	-	13:53:47	0.04	[-]
120	MB	-	13:55:47	-0.01	[-]
121	LCS	-	13:57:47	0.99	[-]
122	320-1301-c-1	-	13:59:48	0.83	[-]
123	MS 320-1301-c-1	-	14:01:48	1.63	[-]
124	MSD 320-1301-c-1	-	14:03:48	1.64	[-]
102	MRL	-	14:05:48	0.05	[-]
105	CCV	-	14:07:48	1.00	[-]
0	BLANK	C	14:09:49	-0.01	[C]
0	Baseline	C	14:11:49	-0.01	[C]

File name: Z:\GENCHEM\ALPKEM~2\2012\NITROC~1\122712A.RST

Date: 27-Dec-12

Operator: JB

* Name	Conc	Height
* Cal 0	0.000000	-64.945419
* Cal 1	0.050000	8293.914062
* Cal 2	0.200000	26707.492188
* Cal 3	0.400000	51236.093750
* Cal 4	1.000000	127555.218750
* Cal 5	2.000000	253228.000000

Calib Coef:

y=bx+a

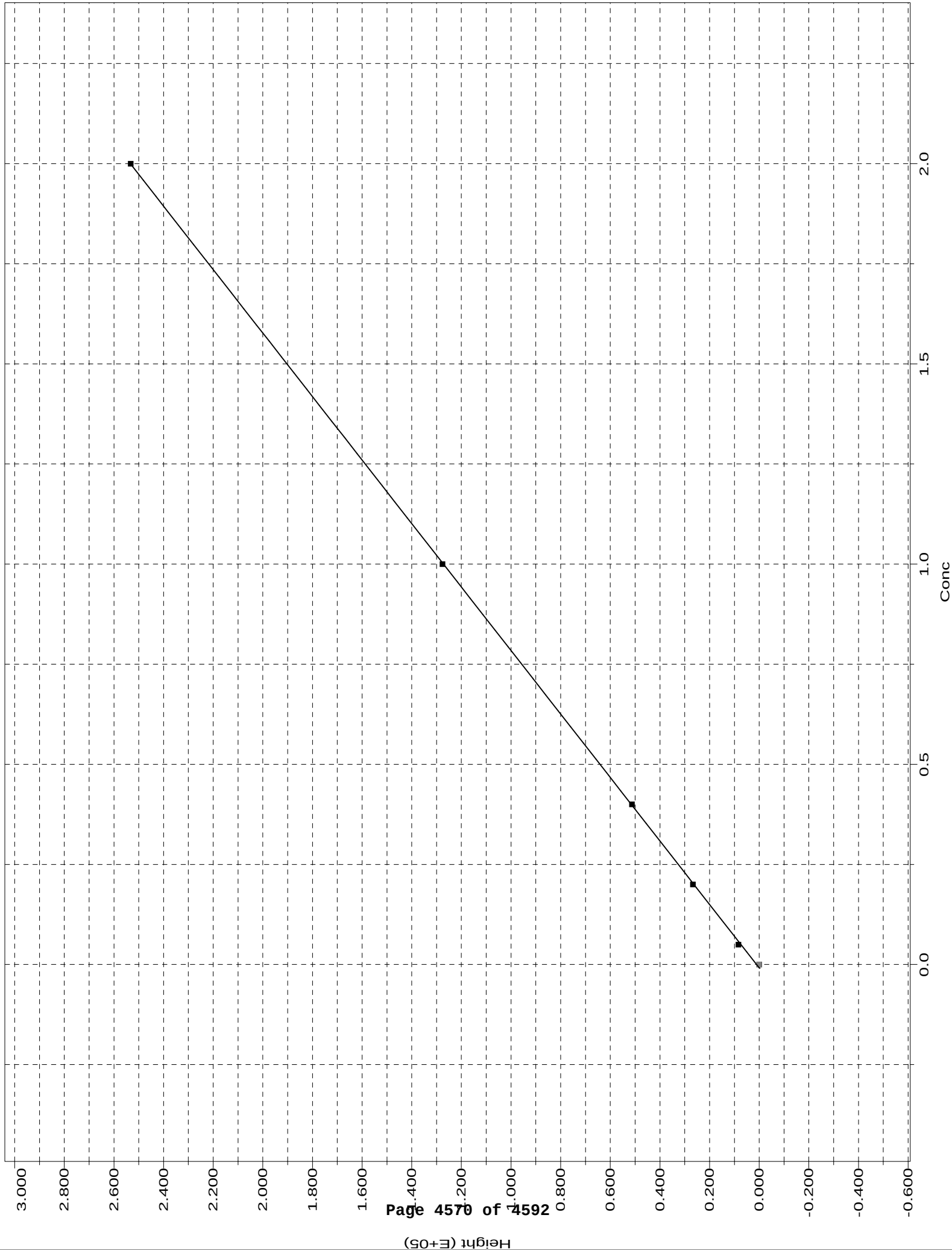
a: (intercept) 1.0832e+03

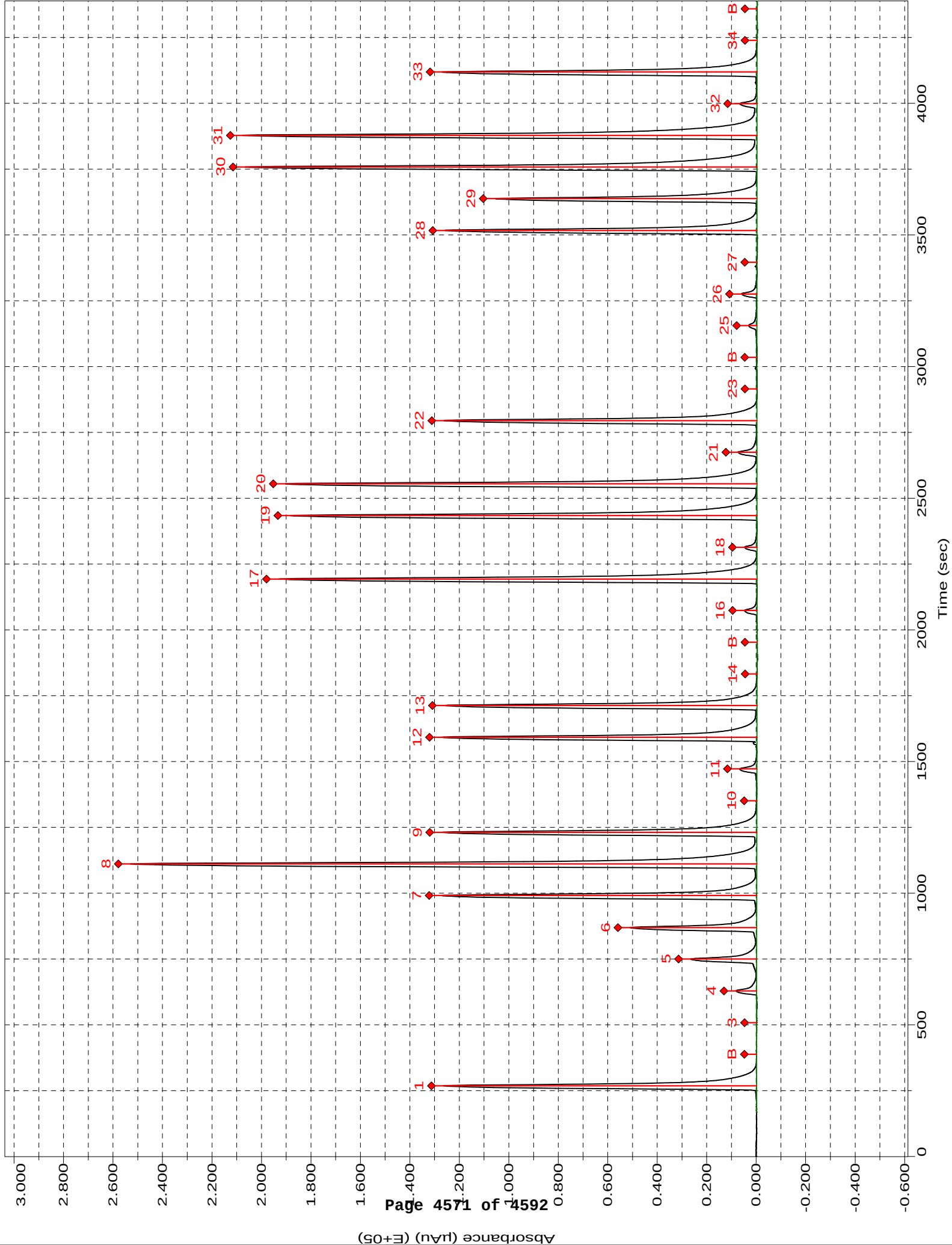
b: 1.2615e+05

Corr Coef: 0.999973

Carryover: n/a

No Drift Peaks





Level I and Level II Review Checklist General Chemistry

Instrument ID FS4		05-WC-0050		
Batch 8009	File # 122712A	Date 12/27/12	Analyst JB	
Lot Numbers 240-18735, 240-18703		YES	NO	NA
LEVEL 1 Review:				
1. Samples properly preserved/verified		/		
2. Run setup meets Std criteria (Curve, ICV/ICB, CCV etc.)		/		
3. Calibration criteria met ($R=0.995$, $R^2=0.990$)		/		
4. Interception criteria for quadratic fits + or - 1/2 the RL				/
5. Second source std in control		/		
6. Batch QC in control (LCS,MB,MS/MSD,DCS if necessary)		/		
7. Calculations checked		/		
8. QAS/QAPP consulted for client specific requirements		/		
9. Standard tracking #'s recorded on runlog/benchsheet		/		
10. Manual integration performed, documented & approved				/
11. Copy of run log included with data package		/		
12. Copy of conductivity screen logbook (314.0 only)				/
LEVEL 1 Data Review:				
1. Benchsheet complete		/		
2. QAS/QAPP Consulted for client specific data entry		/		
3. Copy of prep sheet/checklist submitted		/		
4. NCM(s) submitted				/

COMMENTS: _____

REVIEWED BY: PMC	DATA ENTERED BY:
DATE: 12/31/12	DATE: JB 12/28/12

Level I and Level II Review Checklist General Chemistry

Instrument ID F54		WS-WC-0050 EPA 353.2	
Batch 8009	File # 122712A	Date 12/27/12	Analyst Jr
Lot Numbers 320-1301, -240-15735, -240-18703		YES	NO
LEVEL 1 Review:			
1. Samples properly preserved/verified		☒	
2. Run setup meets Std criteria (Curve, ICV/ICB, CCV etc.)		☒	
3. Calibration criteria met ($R=0.995$, $R^2=0.990$)		☒	
4. Interception criteria for quadratic fits + or - 1/2 the RL			☒
5. Second source std in control		☒	
6. Batch QC in control (LCS, MB, MS/MSD, DCS if necessary)		☒	☒
7. Calculations checked		☒	
8. QAS/QAPP consulted for client specific requirements		☒	
9. Standard tracking #'s recorded on runlog/benchsheet		☒	
10. Manual integration performed, documented & approved			☒
11. Copy of run log included with data package		☒	
12. Copy of conductivity screen logbook (314.0 only)			☒
LEVEL 1 Data Review:			
1. Benchsheet complete		☒	
2. QAS/QAPP Consulted for client specific data entry		☒	
3. Copy of prep sheet/checklist submitted		☒	
4. NCM(s) submitted		☒	

COMMENTS:

REVIEWED BY: Amc	DATA ENTERED BY: Jr
DATE: 12/28/12	DATE: 12/28/12

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18703-1

SDG No.: _____

Batch Number: 68573 Batch Start Date: 12/13/12 12:13 Batch Analyst: Harshman, TomBatch Method: Moisture Batch End Date: 12/14/12 10:35

Lab Sample ID	Client Sample ID	Method Chain	Basis	DishWeight	SampleMassWet	SampleMassDry			
240-18703-G-1 DU	072SB-0092-0001-SO	Moisture	T	4.3988 g	7.0111 g	6.6484 g			
240-18703-G-1	072SB-0092-0001-SO	Moisture	T	4.3988 g	8.3558 g	7.8506 g			
240-18703-G-8	072SB-0082-0001-SO	Moisture	T	4.3988 g	10.1161 g	9.2287 g			
240-18703-G-9	072SB-0083-0001-SO	Moisture	T	4.3988 g	11.1200 g	10.1470 g			
240-18703-G-10	072SB-0084-0001-SO	Moisture	T	4.3988 g	10.5084 g	9.6605 g			
240-18703-G-11	072SB-0085-0001-SO	Moisture	T	4.3988 g	10.6857 g	9.7130 g			
240-18703-G-12	072SB-0086-0001-SO	Moisture	T	4.3988 g	10.3284 g	9.5877 g			
240-18703-G-13	072SB-0087-0001-SO	Moisture	T	4.3988 g	8.2339 g	8.0113 g			
240-18703-G-14	072SB-0088-0001-SO	Moisture	T	4.3988 g	8.5169 g	8.1479 g			
240-18703-G-15	072SB-0089-0001-SO	Moisture	T	4.3988 g	8.9451 g	8.4897 g			
240-18703-G-16 DU	072SB-0090-0001-SO	Moisture	T	4.3988 g	7.3272 g	7.0369 g			
240-18703-G-16	072SB-0090-0001-SO	Moisture	T	4.3988 g	8.0890 g	7.7239 g			
240-18703-G-17	072SB-0091-0001-SO	Moisture	T	4.3988 g	10.4745 g	9.7230 g			
240-18703-J-18	072SB-0075-0001-SO	Moisture	T	4.3988 g	10.3180 g	9.5591 g			
240-18703-G-19	072SB-0076-0001-SO	Moisture	T	4.3988 g	10.4978 g	9.5329 g			
240-18703-G-20	072SB-0077-0001-SO	Moisture	T	4.3988 g	9.8607 g	8.9160 g			
240-18703-G-21	072SB-0079-0001-SO	Moisture	T	4.3988 g	9.8151 g	8.5525 g			
240-18703-G-22	072SB-0080-0001-SO	Moisture	T	4.3988 g	8.5919 g	7.9632 g			
240-18703-G-23	072SB-0081-0001-SO	Moisture	T	4.3988 g	10.2403 g	9.5395 g			

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

Moisture

Page 1 of 2

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18703-1

SDG No.: _____

Batch Number: 68573 Batch Start Date: 12/13/12 12:13 Batch Analyst: Harshman, TomBatch Method: Moisture Batch End Date: 12/14/12 10:35

Batch Notes	
Balance ID	B047 No Unit
Date samples were placed in the oven	12/13/12
Oven Temp when samples are put in oven	103.5 Degrees C
Time samples were place in the oven	15:30
Date samples were removed from oven	12/14/12
Oven Temp when samples removed from oven	103.9 Degrees C
Time Samples were removed from oven	05:10
Oven ID	002
ID number of the thermometer	Tempguard Box C #6

Basis	Basis Description
T	Total/NA

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

Moisture

Page 2 of 2

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Sacramento Job No.: 240-18703-1

SDG No.: _____

Batch Number: 7571 Batch Start Date: 12/19/12 06:06 Batch Analyst: Phan, TuanBatch Method: 353.2 (NCell) Batch End Date: 12/19/12 12:10

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	HPNCSP 00007			
MB 320-7571/1		353.2 (NCell), 353 (NCell-Hyd), WS-WC-0050		10.00 g	45 mL				
LCS 320-7571/2		353.2 (NCell), 353 (NCell-Hyd), WS-WC-0050		10.00 g	45 mL	1 mL			
240-18703-I-8	072SB-0082-0001-SO	353.2 (NCell), 353 (NCell-Hyd), WS-WC-0050	T	1.21 g	45 mL				
240-18703-L-18	072SB-0075-0001-SO	353.2 (NCell), 353 (NCell-Hyd), WS-WC-0050	T	1.04 g	45 mL				

Batch Notes	
1:1 MeOH/H2O	HPHeOH/H2O_00003
Acetone Lot #	ACETONE_00004
Centrifuge Tube	2223568

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.: 240-18703-1

SDG No.: _____

Batch Number: 7638 Batch Start Date: 12/20/12 05:40 Batch Analyst: Phan, TuanBatch Method: 353 (NCell-Hyd) Batch End Date: 12/20/12 08:20

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount				
MB 320-7571/1-A		353 (NCell-Hyd), WS-WC-0050		45 mL	40 mL				
LCS 320-7571/2-A		353 (NCell-Hyd), WS-WC-0050		45 mL	40 mL				
240-18703-I-8-C	072SB-0082-0001-SO	353 (NCell-Hyd), WS-WC-0050	T	45 mL	40 mL				
240-18703-L-18-C	072SB-0075-0001-SO	353 (NCell-Hyd), WS-WC-0050	T	45 mL	40 mL				

Batch Notes	
0.45 Filter Vendor/Lot	MILLIPORE R2DA20309A
Centrifuge Tube	2223568
Sulfuric Acid Lot Number	SULFURIC ACID_00001
Millipore Water Dispense Date	12/13/12
NaOH Lot #	SODIUM HYDROX_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.

WS-WC-0050

Page 1 of 1

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Sacramento Job No.: 240-18703-1

SDG No.: _____

Batch Number: 7816 Batch Start Date: 12/26/12 06:53 Batch Analyst: Phan, TuanBatch Method: 353.2 (NCell) Batch End Date: 12/26/12 11:15

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	HPNCSP 00007			
MB 320-7816/1		353.2 (NCell), 353 (NCell-Hyd), WS-WC-0050		100 mL	45 mL				
LCS 320-7816/2		353.2 (NCell), 353 (NCell-Hyd), WS-WC-0050		100 mL	45 mL	1 mL			
240-18703-S-24	076-0140-0001-ER	353.2 (NCell), 353 (NCell-Hyd), WS-WC-0050	T	100 mL	45 mL				
240-18703-S-24 MS	076-0140-0001-ER	353.2 (NCell), 353 (NCell-Hyd), WS-WC-0050	T	100 mL	45 mL	1 mL			
240-18703-S-24 MSD	076-0140-0001-ER	353.2 (NCell), 353 (NCell-Hyd), WS-WC-0050	T	100 mL	45 mL	1 mL			

Batch Notes	
Acetone Lot #	Acetone_00006
Centrifuge Tube	2223568
Membrane Filter	MILLIPORE R2JA47614
Millipore Water Dispense Date	12/13/12

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.: 240-18703-1

SDG No.: _____

Batch Number: 7878 Batch Start Date: 12/27/12 05:45 Batch Analyst: Phan, TuanBatch Method: 353 (NCell-Hyd) Batch End Date: 12/27/12 07:40

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount				
MB 320-7816/1-A		353 (NCell-Hyd), WS-WC-0050		45 mL	40 mL				
LCS 320-7816/2-A		353 (NCell-Hyd), WS-WC-0050		45 mL	40 mL				
240-18703-S-24-D	076-0140-0001-ER	353 (NCell-Hyd), WS-WC-0050	T	45 mL	40 mL				
240-18703-S-24-E MS	076-0140-0001-ER	353 (NCell-Hyd), WS-WC-0050	T	45 mL	40 mL				
240-18703-S-24-F MSD	076-0140-0001-ER	353 (NCell-Hyd), WS-WC-0050	T	45 mL	40 mL				

Batch Notes	
0.45 Filter Vendor/Lot	MILLIPORE LOT R2DA02309
Centrifuge Tube	2223568
Sulfuric Acid Lot Number	SULFURIC ACID_00001
Millipore Water Dispense Date	12/13/12
NaOH Lot #	SODIUM HYDROX_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.

WS-WC-0050

Page 1 of 1

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Sacramento Job No.: 240-18703-1

SDG No.: _____

Batch Number: 8009 Batch Start Date: 12/27/12 13:05 Batch Analyst: Baynes, JasonBatch Method: WS-WC-0050 Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	WC-353.2-ICV 00015	WC-353.2-L1 00014	WC-353.2-L4 00010			
ICV 320-8009/8		WS-WC-0050		# mL					
MRL 320-8009/10		WS-WC-0050			# mL				
MRL 320-8009/20		WS-WC-0050			# mL				
CCV 320-8009/21		WS-WC-0050				# mL			

Batch Notes	
Nitrocellulose Assay	0.119
Color Reagent 1 ID	4525-WC-16-3 e. 3/17/13
NO2/NO3 Indicator ID #	4525-WC-16-7 e. 12/27/13

Basis	Basis Description

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

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Sacramento Job No.: 240-18703-1

SDG No.: _____

Batch Number: 8137 Batch Start Date: 12/20/12 11:48 Batch Analyst: Baynes, JasonBatch Method: WS-WC-0050 Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	WC-353.2-ICV 00015	WC-353.2-L1 00014	WC-353.2-L4 00010			
ICV 320-8137/8		WS-WC-0050		# mL					
MRL 320-8137/10		WS-WC-0050			# mL				
MRL 320-8137/20		WS-WC-0050			# mL				
CCV 320-8137/21		WS-WC-0050				# mL			
MRL 320-8137/34		WS-WC-0050			# mL				
CCV 320-8137/35		WS-WC-0050				# mL			
MRL 320-8137/47		WS-WC-0050			# mL				
CCV 320-8137/48		WS-WC-0050				# mL			

Batch Notes	
Nitrocellulose Assay	0.119
Color Reagent 1 ID	45425-WC-17-2
NO2/NO3 Indicator ID #	4525-WC-16-2

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

Chain of Custody Record

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratory location:
Regulatory program:

☐ DW ☐ NPDES ☐ RCRA ☐ Other

Client Contact		Site Contact:		Lab Contact:		COC No:	
Company Name:		AL EIGHTH DAY		MANK LUG		050744	
Address:		Telephone:		Telephone:		1 of 3 COCs	
City/State/Zip:		Email:		Analyses		For lab use only	
33 BOSTON POST ROAD		STANDARD		VOC/METALS		Waiting client	
MANCHESTER MA 01712		TAT is different from below		TPH GAO		Lab sampling	
Phone:		Method of Shipment/Carrier:		TPH DRO		Lab analysis	
Project Name:		LAG PILK UP		TAL METALS		Lab analysis	
Project Number:		Shipping/Tracking No:		PAH		Lab analysis	
PO #		Sample Date		BTEX/METALS		Lab analysis	
Sample Identification		Sample Time		Composite Sample (K/N)		Sample Specific Notes / Special Instructions:	
07258-0092-0001-50	12-10-12 1237	X	X	X	X	X	TRIP BLK
07258-0092-0001-51	0800	X	X	X	X	X	TRIP BLK
07658-0138-0001-79		X	X	X	X	X	TRIP BLK
07658-0139-0001-79		X	X	X	X	X	TRIP BLK
07658-0143-0001-79		X	X	X	X	X	TRIP BLK
07658-0144-0001-79		X	X	X	X	X	TRIP BLK
07658-0145-0001-79		X	X	X	X	X	TRIP BLK

Chain of Custody Record

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratory location:
Regulatory program:

☐ DW ☐ NPDES ☐ RCRA ☐ Other

Client Contact		Client Project Manager:		Site Contact:		Lab Contact:		COC No:	
Company Name: ECC		AL BARTHOLOMEW		J. Donovan		MARK LOEB		050746	
Address: 33 BOSTON POST RD WEST		Telephone:		Telephone:		Telephone:		3 of 3 COCs	
City/State/Zip: MARLBORO MA 01752		Email:		TAT if different from below: 3 weeks 2 weeks 1 week 2 days 1 day		For lab use only: Date of receipt Date of analysis Date of sampling Date of SDG No.			
Project Name: LAB PICK UP		Method of Shipment/Carrier: LAB PICK UP		TAT if different from below: 3 weeks 2 weeks 1 week 2 days 1 day		VOC/MTBE Analysis			
Project Number:		Shipping/Tracking No:							
PO #		Sample Date		Sample Time		Matrix		Sample Specific Notes / Special Instructions:	
						Air			
						Soil			
						Sediment			
						Other:			
						H2O2			
						HNO3			
						HCl			
						NaOH			
						ZnAc			
						Unpres			
						Other:			
						Filtered Sample (X/N)			
						Composite (C/Grab)			
						BTEX/MTBE			
						TPH DRO			
						TPH & AO			
						PAH/SVOL			
						TAL METALS			
						VOC/MTBE			
						PEST/PCB'S			
						EXPLOSIVES			
						% SOLID/H2O			
						PROPERTIES			
						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)			
						Return to Client			
						Disposal By Lab			
						Archive For			
						Months			
						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)			
						Return to Client			
						Disposal By Lab			
						Archive For			
						Months			
						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)			
						Return to Client			
						Disposal By Lab			
						Archive For			
						Months			
						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)			
						Return to Client			
						Disposal By Lab			
						Archive For			
						Months			
						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)			
						Return to Client			
						Disposal By Lab			
						Archive For			
						Months			
						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)			
						Return to Client			
						Disposal By Lab			
						Archive For			
						Months			
						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)			
						Return to Client			
						Disposal By Lab			
						Archive For			
						Months			
						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)			
						Return to Client			
						Disposal By Lab			
						Archive For			
						Months			
						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)			
						Return to Client			
						Disposal By Lab			
						Archive For			
						Months			
						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)			
						Return to Client			
						Disposal By Lab			
						Archive For			
						Months			
						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)			
						Return to Client			
						Disposal By Lab			
						Archive For			
						Months			
						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)			
						Return to Client			
						Disposal By Lab			
						Archive For			
						Months			
						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)			
						Return to Client			
						Disposal By Lab			
						Archive For			
						Months			
						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)			
						Return to Client			
						Disposal By Lab			
						Archive For			
						Months			
						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)			
						Return to Client			
						Disposal By Lab			
						Archive For			
						Months			
						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)			
						Return to Client			
						Disposal By Lab			
						Archive For			
						Months			
						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)			
						Return to Client			
						Disposal By Lab			
						Archive For			
						Months			
						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)			
						Return to Client			
						Disposal By Lab			
						Archive For			
						Months			
						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)			
						Return to Client			
						Disposal By Lab			
						Archive For			
						Months			
						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)			
						Return to Client			
						Disposal By Lab			
						Archive For			
						Months			
						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)			
						Return to Client			
						Disposal By Lab			
						Archive For			
						Months			
						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)			
						Return to Client			
						Disposal By Lab			
						Archive For			
						Months			
						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)			
						Return to Client			
						Disposal By Lab			
						Archive For			
						Months			
						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)			
						Return to Client			
						Disposal By Lab			
						Archive For			
						Months			
						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)			
						Return to Client			
						Disposal By Lab			
						Archive For			
						Months			
						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)			
						Return to Client			
						Disposal By Lab			
						Archive For			
						Months			
						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)			
						Return to Client			
						Disposal By Lab			
						Archive For			
						Months			
						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)			
						Return to Client			
						Disposal By Lab			
						Archive For			
						Months			
						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)			
						Return to Client			
						Disposal By Lab			
						Archive For			
						Months			
						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)			
						Return to Client			
						Disposal By Lab			
						Archive For			
						Months			
						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)			
						Return to Client			
						Disposal By Lab			
						Archive For			
						Months			
						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)			
						Return to Client			
						Disposal By Lab			
						Archive For			
						Months			
						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)			
						Return to Client			
						Disposal By Lab			
						Archive For			
						Months			
						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)			
						Return to Client			
						Disposal By Lab			
						Archive For			
						Months			
						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)			
						Return to Client			
						Disposal By Lab			
						Archive For			
						Months			
						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)			
						Return to Client			
						Disposal By Lab			
						Archive For			
						Months			
						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)			
						Return to Client			
						Disposal By Lab			
						Archive For			
						Months			
						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)			
						Return to Client			
						Disposal By Lab			
						Archive For			
						Months			
						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)			
						Return to Client			
						Disposal By Lab			

TestAmerica Canton Sample Receipt Form/Narrative

Login # : 18703

Client ECC Site Name _____ By: [Signature]
Cooler Received on 12-11-12 Opened on 12-11-12 (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. _____ °C Corrected Sample Temp. _____ °C
IR GUN# 5G (CF 0 °C) Observed Sample Temp. _____ °C Corrected Sample Temp. _____ °C
IR GUN# 8 (CF 0 °C) Observed Sample Temp. _____ °C Corrected Sample Temp. _____ °C

☐ Multiple on Back

2. Were custody seals on the outside of the cooler(s)? If Yes Quantity _____ 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 No
3. Shippers' packing slip attached to the cooler(s)? Yes No
4. Did custody papers accompany the sample(s)? Yes No
5. Were the custody papers relinquished & signed in the appropriate place? Yes No
6. Did all bottles arrive in good condition (Unbroken)? Yes No
7. Could all bottle labels be reconciled with the COC? Yes No
8. Were correct bottle(s) used for the test(s) indicated? Yes No
9. Sufficient quantity received to perform indicated analyses? Yes No
10. Were sample(s) at the correct pH upon receipt? Yes No NA
11. Were VOAs on the COC? Yes No
12. Were air bubbles >6 mm in any VOA vials? Yes No NA
13. Was a trip blank present in the cooler(s)? Yes No

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other
Concerning _____

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

15. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.
Sample(s) _____ were received in a broken container.
Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

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)? _____

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: 240-18703-1

Login Number: 18703

List Number: 1

Creator: Gamber, Tom

List Source: TestAmerica Pittsburgh

List Creation: 12/20/12 05:39 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.	False	
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").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Environmental Chemical Corp.

Job Number: 240-18703-1

Login Number: 18703

List Number: 2

Creator: Gamber, Tom

List Source: TestAmerica Pittsburgh

List Creation: 12/20/12 05:49 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.	False	
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").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Environmental Chemical Corp.

Job Number: 240-18703-1

Login Number: 18703

List Number: 3

Creator: Gamber, Tom

List Source: TestAmerica Pittsburgh

List Creation: 12/20/12 05:53 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.	False	
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").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Environmental Chemical Corp.

Job Number: 240-18703-1

Login Number: 18703
List Number: 1
Creator: Sadler, Jeremy

List Source: TestAmerica Sacramento
List Creation: 12/14/12 10:21 AM

Question	Answer	Comment
Radioactivity wasn't checked or is <= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.5
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	