

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17525-1
SDG No.: _____
Lab Sample ID: ICV 240-62068/45 Calibration Date: 10/22/2012 03:19
Instrument ID: A2HP13 Calib Start Date: 10/21/2012 21:21
GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 10/21/2012 22:36
Lab File ID: P1300045.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1221 Peak 1	Ave	21610860	20320734		0.940	1.00	-6.0	
PCB-1221 Peak 2	Qua		7360657		0.960	1.00	-4.0	
PCB-1221 Peak 3	Ave	56991135	50457393		0.885	1.00	-11.5	

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17525-1
SDG No.: _____
Lab Sample ID: ICV 240-62068/45 Calibration Date: 10/22/2012 03:19
Instrument ID: A2HP13 Calib Start Date: 10/21/2012 21:21
GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 10/21/2012 22:36
Lab File ID: P1300045.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1221 Peak 1	1.44	1.39	1.49
PCB-1221 Peak 2	1.56	1.50	1.60
PCB-1221 Peak 3	1.59	1.54	1.64

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300045.D
 Lims ID: ICV 1221 Client ID:
 Inject. Date: 22-Oct-2012 03:19:31 Dil. Factor: 1.0000
 Sample Type: ICV
 Sample ID: 240-0014228-045
 Misc. Info.:
 Operator: Instrument ID: A2HP13
 Injection Vol: 1.0 ul ALS Bottle#: 45
 Lims Batch ID: 62068 Lims Sample ID: 45
 Sublist:
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m
 Last Update: 22-Oct-2012 09:20:04 Calib Date: 22-Oct-2012 03:04:38
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK013

First Level Reviewer: hassl

Date: 22-Oct-2012 09:10:49

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
3 PCB-1221									M
1	2	1.435	1.435	0.000	20320734	0.9403		100.0	
1	3	1.557	1.554	0.003	7360657	0.9603	25.0- 75.0	36.2	M
1	4	1.587	1.586	0.001	50457393	0.8854	233.2- 283.2	248.3	M
Average of Peak Amounts =						0.9286			
2	4	1.947	1.948	-0.001	12351132	0.9324		100.0	
2	5	2.087	2.088	-0.001	8147286	0.9273	37.0- 97.0	66.0	
2	6	2.147	2.148	-0.001	29820772	0.9386	210.7- 270.7	241.4	
Average of Peak Amounts =						0.9328			
						RPD = 0.44			

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 22-Oct-2012 09:20:05

Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

Data File: \\NCCchrom\ChromData\A2HP13\20121019-14228.b\P1300045.D

Injection Date: 22-Oct-2012 03:19:31

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP13

Lims Batch ID: 62068

Lims Sample ID: 45

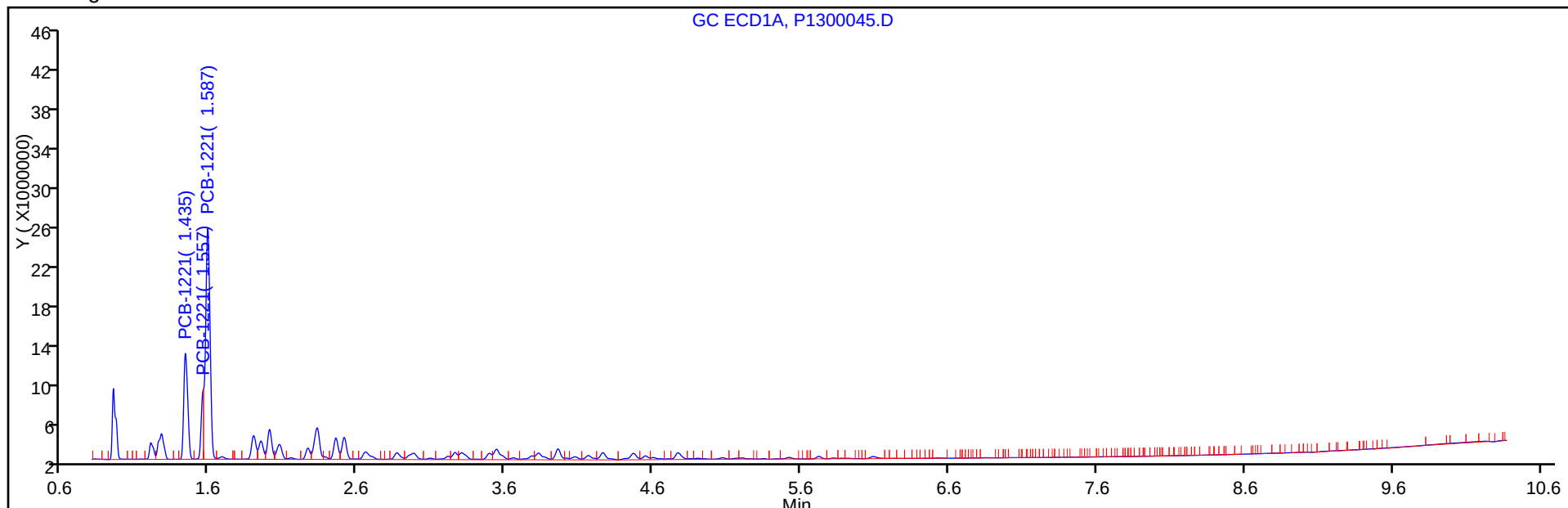
Operator ID:

Injection Vol: 1.0 ul

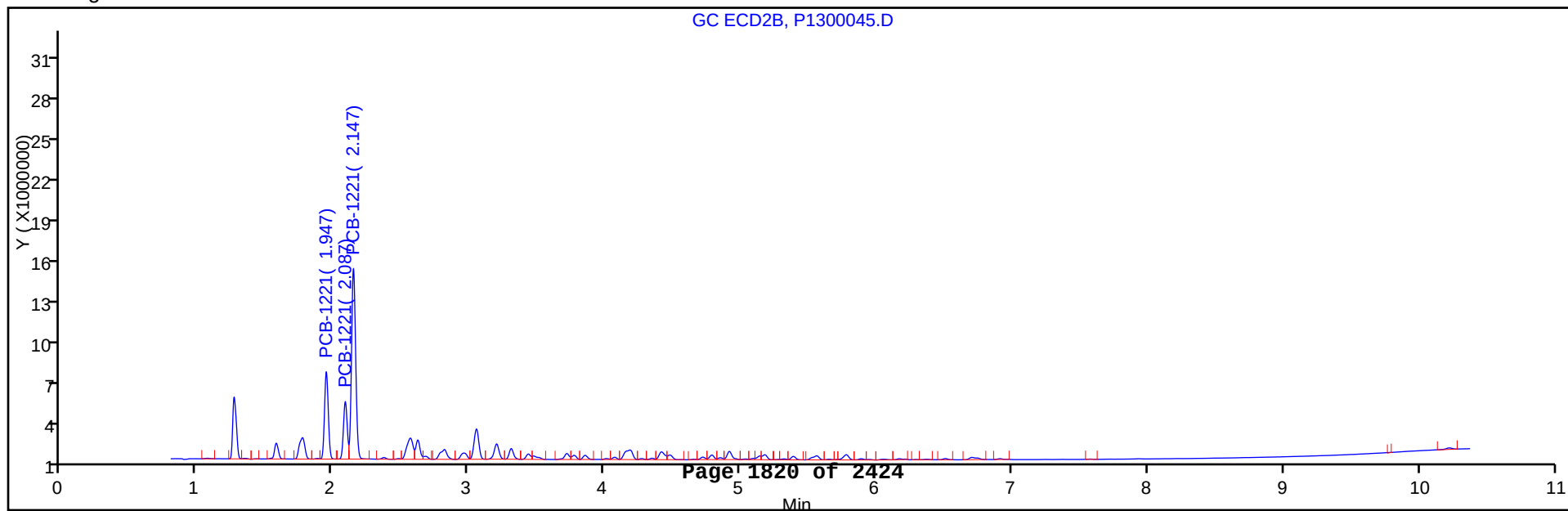
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton

Data File: \\NCCrom\ChromData\A2HP13\20121019-14228.b\P1300045.D

Injection Date: 22-Oct-2012 03:19:31

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP13

Lims Batch ID: 62068

Lims Sample ID: 45

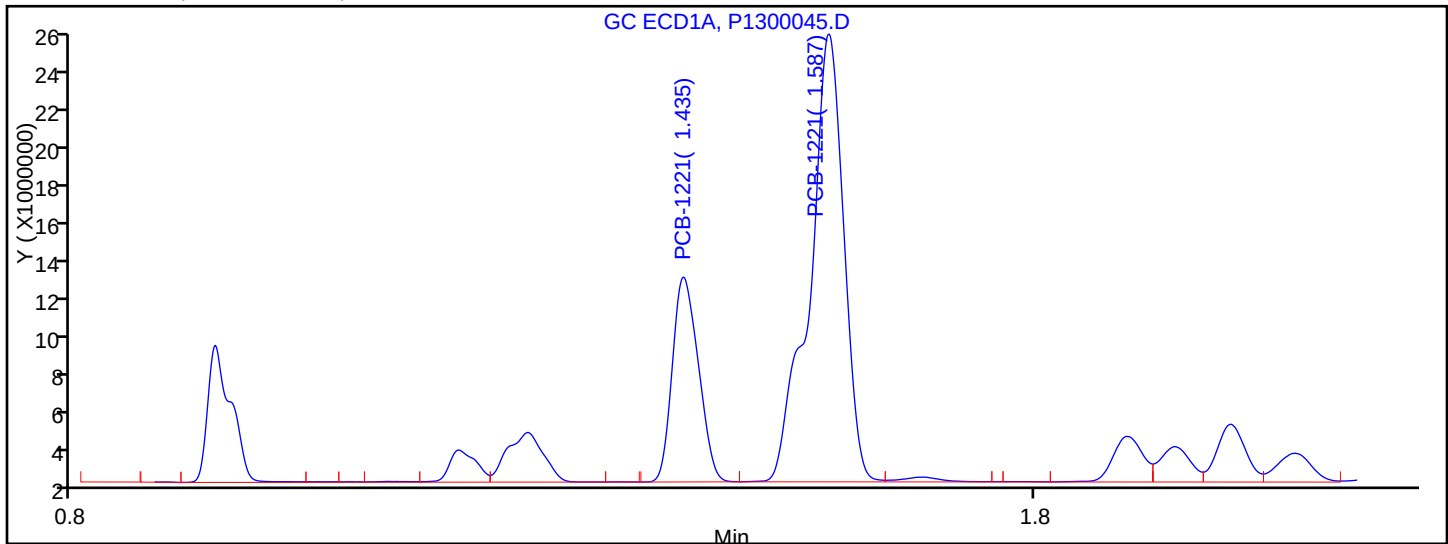
Operator ID:

Injection Vol: 1.0 ul

Column Type:

Column Dia:

3 PCB-1221, Detector: 1, GC ECD1A



Processing Integration Results

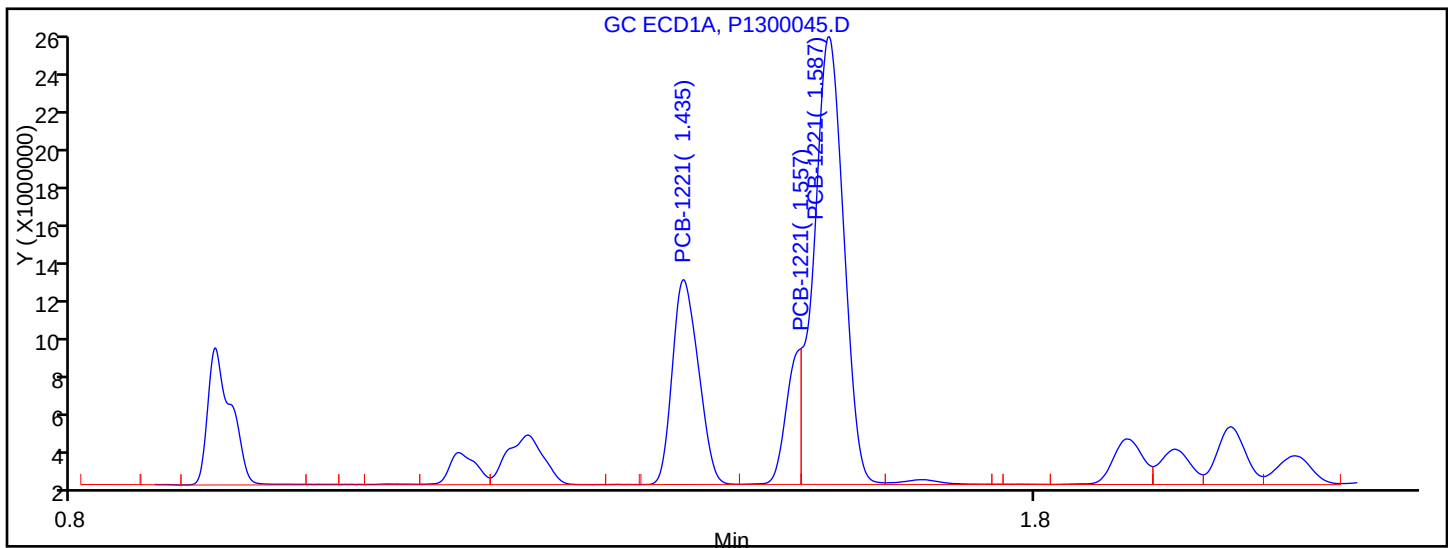
RT = 1.435 Response = 20320734

RT = 1.586 Response = 0

M

RT = 1.587 Response = 57818081

M



Manual Integration Results

RT = 1.435 Response = 20320734

RT = 1.557 Response = 7360657

M

RT = 1.587 Response = 50457393

M

Reviewer: hassl, 22-Oct-2012 09:10:49

Audit Action: Manually Integrated/Assigned Compound ID

Audit Reason: Split Peak

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17525-1
SDG No.: _____
Lab Sample ID: ICV 240-62068/45 Calibration Date: 10/22/2012 03:19
Instrument ID: A2HP13 Calib Start Date: 10/21/2012 21:21
GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 10/21/2012 22:36
Lab File ID: P1300045.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1221 Peak 1	Ave	13246658	12351132		0.932	1.00	-6.8	
PCB-1221 Peak 2	Ave	8785681	8147286		0.927	1.00	-7.3	
PCB-1221 Peak 3	Ave	31772831	29820772		0.939	1.00	-6.1	

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17525-1
SDG No.: _____
Lab Sample ID: ICV 240-62068/45 Calibration Date: 10/22/2012 03:19
Instrument ID: A2HP13 Calib Start Date: 10/21/2012 21:21
GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 10/21/2012 22:36
Lab File ID: P1300045.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1221 Peak 1	1.95	1.90	2.00
PCB-1221 Peak 2	2.09	2.04	2.14
PCB-1221 Peak 3	2.15	2.10	2.20

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300045.D
 Lims ID: ICV 1221 Client ID:
 Inject. Date: 22-Oct-2012 03:19:31 Dil. Factor: 1.0000
 Sample Type: ICV
 Sample ID: 240-0014228-045
 Misc. Info.:
 Operator: Instrument ID: A2HP13
 Injection Vol: 1.0 ul ALS Bottle#: 45
 Lims Batch ID: 62068 Lims Sample ID: 45
 Sublist:
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m
 Last Update: 22-Oct-2012 09:20:04 Calib Date: 22-Oct-2012 03:04:38
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK013

First Level Reviewer: hassl

Date: 22-Oct-2012 09:10:49

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
3 PCB-1221									M
1	2	1.435	1.435	0.000	20320734	0.9403		100.0	
1	3	1.557	1.554	0.003	7360657	0.9603	25.0- 75.0	36.2	M
1	4	1.587	1.586	0.001	50457393	0.8854	233.2- 283.2	248.3	M
Average of Peak Amounts =						0.9286			
2	4	1.947	1.948	-0.001	12351132	0.9324		100.0	
2	5	2.087	2.088	-0.001	8147286	0.9273	37.0- 97.0	66.0	
2	6	2.147	2.148	-0.001	29820772	0.9386	210.7- 270.7	241.4	
Average of Peak Amounts =						0.9328			
						RPD = 0.44			

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 22-Oct-2012 09:20:05

Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

Data File: \\NCCchrom\ChromData\A2HP13\20121019-14228.b\P1300045.D

Injection Date: 22-Oct-2012 03:19:31

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP13

Lims Batch ID: 62068

Lims Sample ID: 45

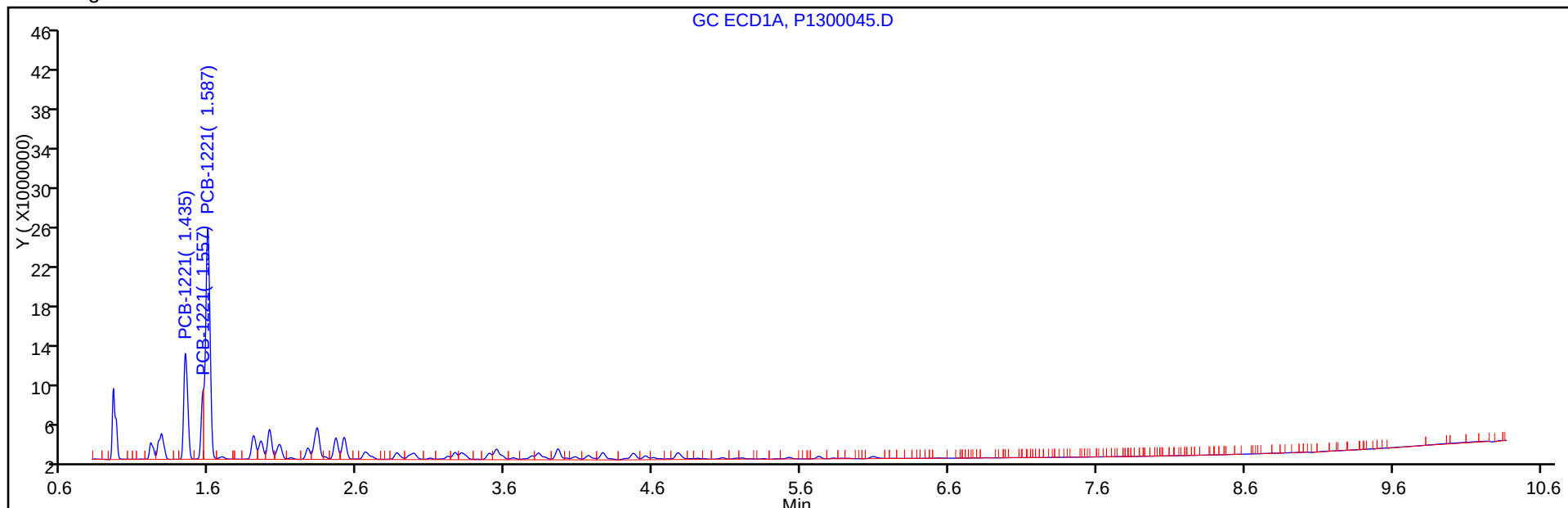
Operator ID:

Injection Vol: 1.0 ul

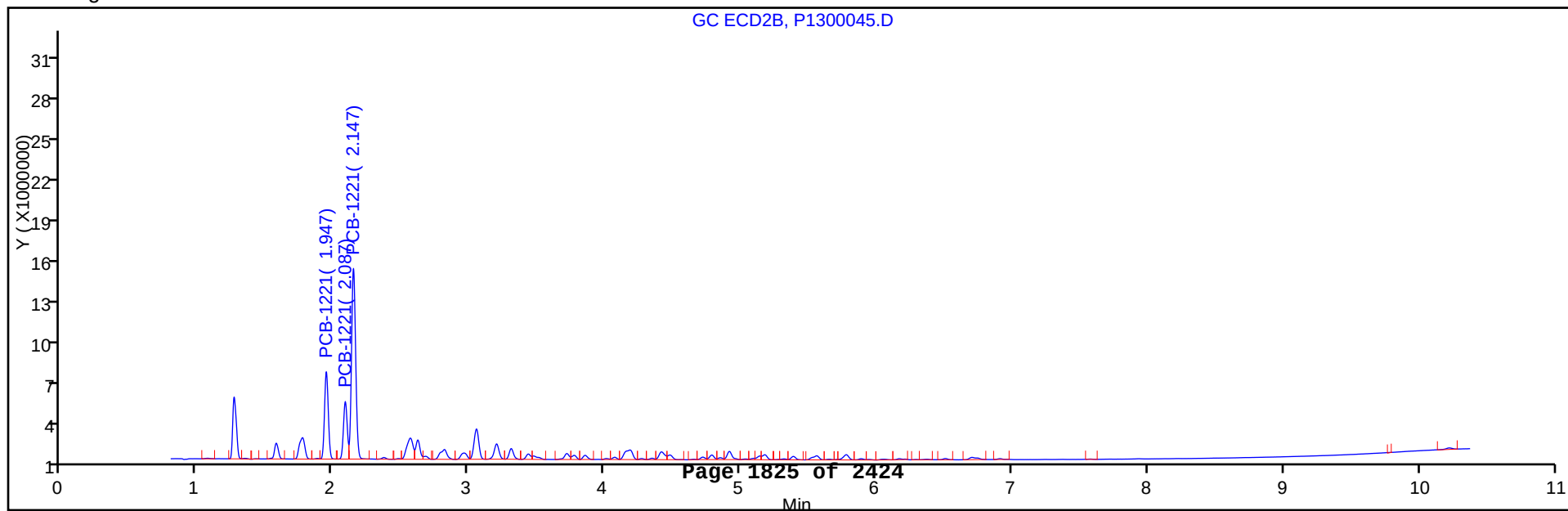
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17525-1
SDG No.: _____
Lab Sample ID: ICV 240-62068/46 Calibration Date: 10/22/2012 03:34
Instrument ID: A2HP13 Calib Start Date: 10/21/2012 16:53
GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 10/21/2012 18:07
Lab File ID: P1300046.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1232 Peak 1	Ave	43047684	42447096		0.986	1.00	-1.4	
PCB-1232 Peak 2	Ave	35621771	36739191		1.03	1.00	3.1	
PCB-1232 Peak 3	Ave	71317840	70927508		0.995	1.00	-0.5	
PCB-1232 Peak 4	Ave	27280514	32224604		1.18	1.00	18.1	
PCB-1232 Peak 5	Ave	29221734	31581550		1.08	1.00	8.1	

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17525-1
SDG No.: _____
Lab Sample ID: ICV 240-62068/46 Calibration Date: 10/22/2012 03:34
Instrument ID: A2HP13 Calib Start Date: 10/21/2012 16:53
GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 10/21/2012 18:07
Lab File ID: P1300046.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1232 Peak 1	1.59	1.54	1.64
PCB-1232 Peak 2	1.90	1.85	1.95
PCB-1232 Peak 3	2.32	2.27	2.37
PCB-1232 Peak 4	2.45	2.41	2.51
PCB-1232 Peak 5	2.87	2.82	2.92

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP13\20121019-14228.b\P1300046.D
 Lims ID: ICV 1232 Client ID:
 Inject. Date: 22-Oct-2012 03:34:31 Dil. Factor: 1.0000
 Sample Type: ICV
 Sample ID: 240-0014228-046

Misc. Info.:

Operator: Instrument ID: A2HP13
 Injection Vol: 1.0 ul ALS Bottle#: 46
 Lims Batch ID: 62068 Lims Sample ID: 46

Sublist:

Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b

Method: \\NCCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m
 Last Update: 22-Oct-2012 09:17:22 Calib Date: 22-Oct-2012 03:04:38
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK013

First Level Reviewer: hassl

Date: 22-Oct-2012 09:11:37

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
4 PCB-1232									M
1	100	1.586	1.588	-0.002	42447096	0.9860		100.0	M
1	2	1.896	1.898	-0.002	36739191	1.03	57.1- 107.1	86.6	
1	3	2.324	2.323	0.001	70927508	0.99	143.5- 193.5	167.1	
1	4	2.453	2.455	-0.002	32224604	1.18	40.1- 90.1	75.9	
1	5	2.866	2.867	-0.001	31581550	1.08	41.3- 91.3	74.4	
Average of Peak Amounts =						1.05			
2	6	2.147	2.148	-0.001	25949740	1.07		100.0	
2	7	2.571	2.573	-0.002	25300266	1.08	67.8- 127.8	97.5	
2	8	3.053	3.054	-0.001	45166344	1.11	132.2- 192.2	174.1	
2	9	3.200	3.201	-0.001	18873718	1.08	40.5- 100.5	72.7	
2	10	3.854	3.854	0.000	16323452	1.10	30.2- 90.2	62.9	
Average of Peak Amounts =						1.09			
						RPD = 3.05			

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 22-Oct-2012 09:17:41

Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP13\20121019-14228.b\P1300046.D

Injection Date: 22-Oct-2012 03:34:31

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP13

Lims Batch ID: 62068

Lims Sample ID: 46

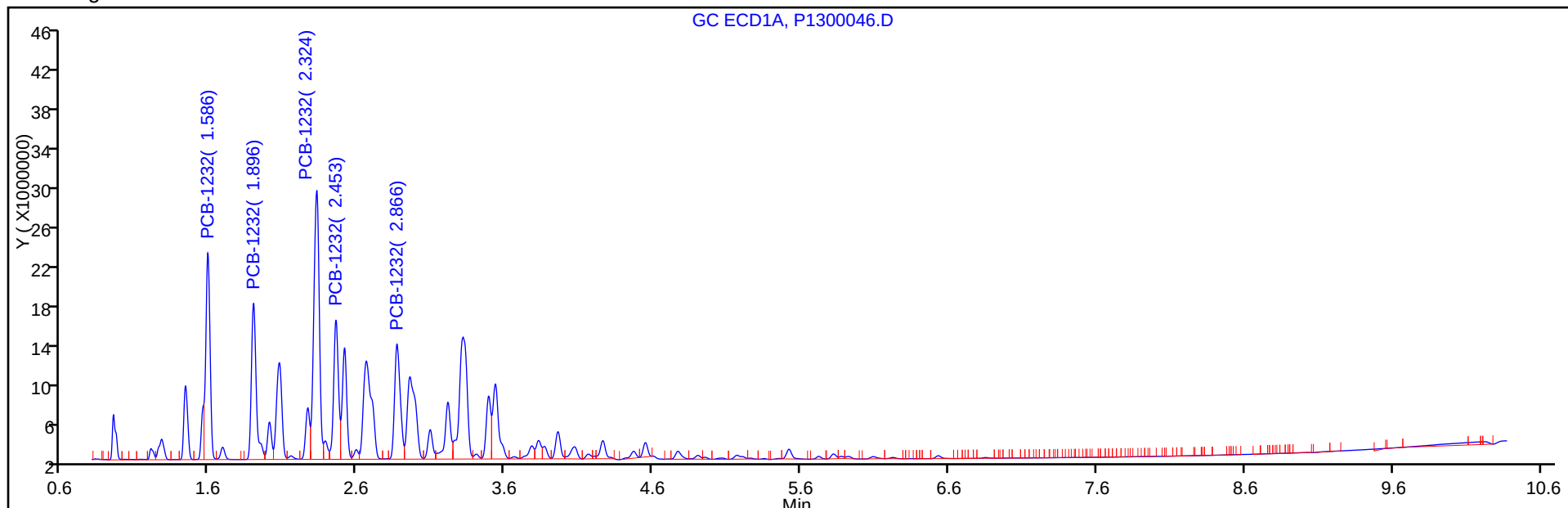
Operator ID:

Injection Vol: 1.0 ul

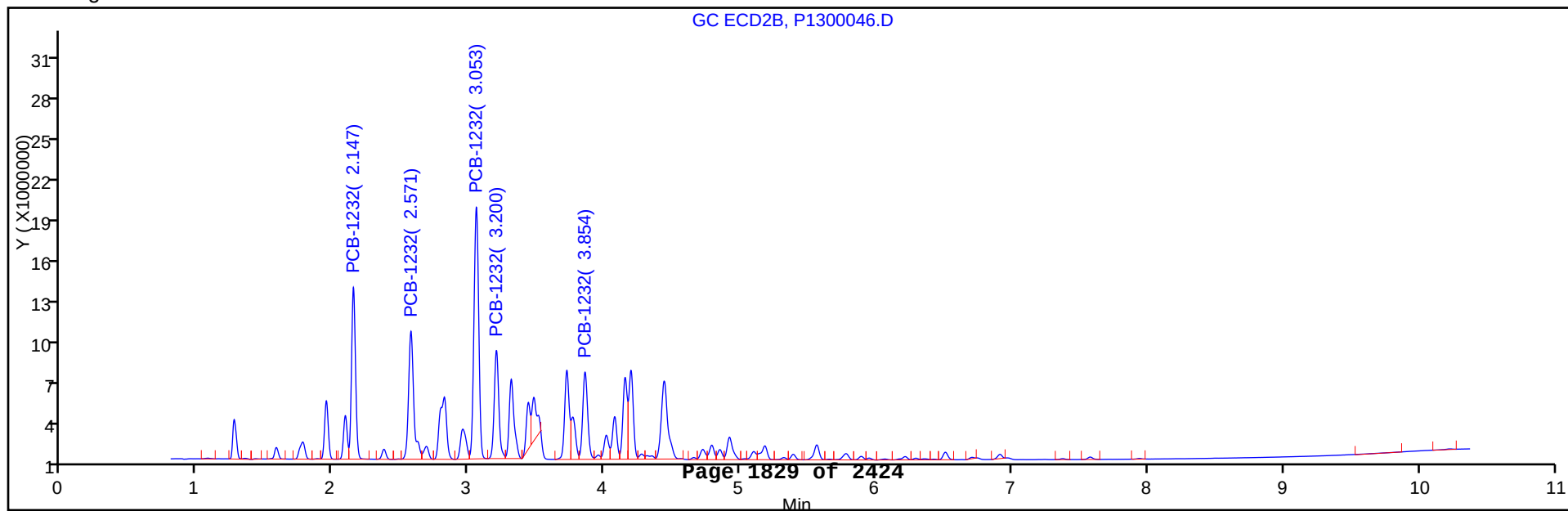
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton

Data File: \\NCCrom\ChromData\A2HP13\20121019-14228.b\P1300046.D

Injection Date: 22-Oct-2012 03:34:31

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP13

Lims Batch ID: 62068

Lims Sample ID: 46

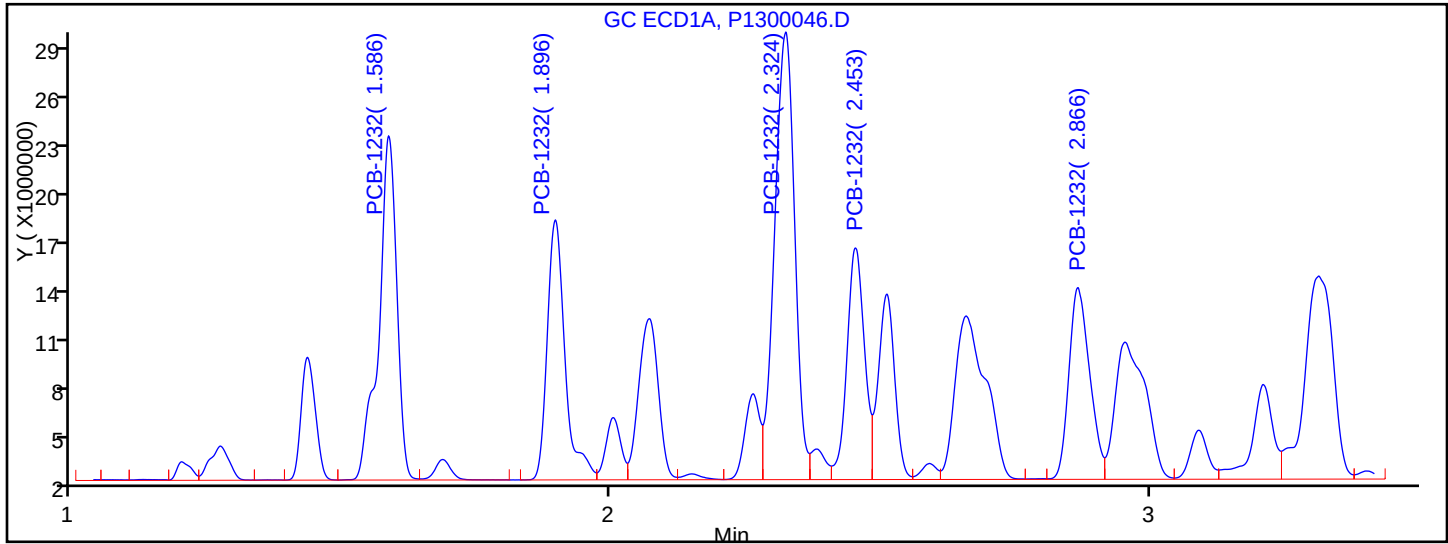
Operator ID:

Injection Vol: 1.0 ul

Column Type:

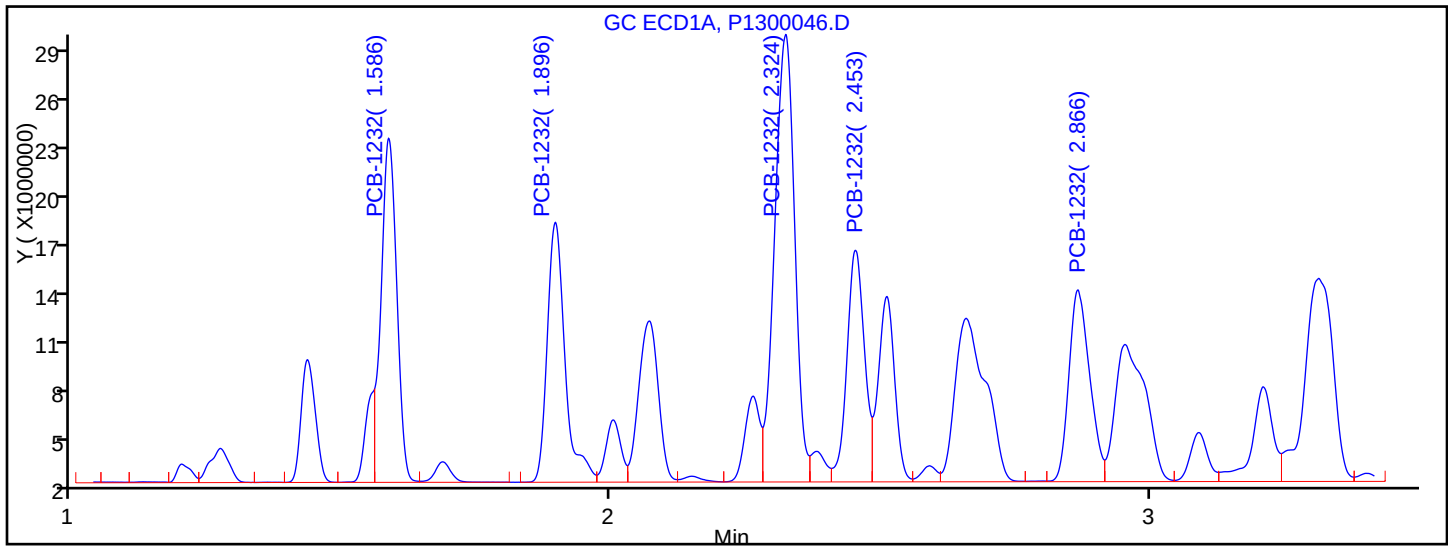
Column Dia:

4 PCB-1232, Detector: 1, GC ECD1A



Processing Integration Results

RT = 1.586	Response = 48960234	M
RT = 1.896	Response = 36739191	
RT = 2.324	Response = 70927508	
RT = 2.453	Response = 32224604	
RT = 2.866	Response = 31581550	



Manual Integration Results

RT = 1.586	Response = 42447096	M
RT = 1.896	Response = 36739191	
RT = 2.324	Response = 70927508	
RT = 2.453	Response = 32224604	
RT = 2.866	Response = 31581550	

Reviewer: hassl, 22-Oct-2012 09:16:14

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17525-1
SDG No.: _____
Lab Sample ID: ICV 240-62068/46 Calibration Date: 10/22/2012 03:34
Instrument ID: A2HP13 Calib Start Date: 10/21/2012 16:53
GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 10/21/2012 18:07
Lab File ID: P1300046.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1232 Peak 1	Ave	24300815	25949740		1.07	1.00	6.8	
PCB-1232 Peak 2	Ave	23466837	25300266		1.08	1.00	7.8	
PCB-1232 Peak 3	Ave	40526397	45166344		1.11	1.00	11.4	
PCB-1232 Peak 4	Ave	17512364	18873718		1.08	1.00	7.8	
PCB-1232 Peak 5	Ave	14852933	16323452		1.10	1.00	9.9	

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17525-1
SDG No.: _____
Lab Sample ID: ICV 240-62068/46 Calibration Date: 10/22/2012 03:34
Instrument ID: A2HP13 Calib Start Date: 10/21/2012 16:53
GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 10/21/2012 18:07
Lab File ID: P1300046.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1232 Peak 1	2.15	2.10	2.20
PCB-1232 Peak 2	2.57	2.52	2.62
PCB-1232 Peak 3	3.05	3.00	3.10
PCB-1232 Peak 4	3.20	3.15	3.25
PCB-1232 Peak 5	3.85	3.80	3.90

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300046.D
 Lims ID: ICV 1232 Client ID:
 Inject. Date: 22-Oct-2012 03:34:31 Dil. Factor: 1.0000
 Sample Type: ICV
 Sample ID: 240-0014228-046
 Misc. Info.:
 Operator: Instrument ID: A2HP13
 Injection Vol: 1.0 ul ALS Bottle#: 46
 Lims Batch ID: 62068 Lims Sample ID: 46
 Sublist:
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m
 Last Update: 22-Oct-2012 09:17:22 Calib Date: 22-Oct-2012 03:04:38
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK013

First Level Reviewer: hassl

Date: 22-Oct-2012 09:11:37

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
4 PCB-1232									M
1	100	1.586	1.588	-0.002	42447096	0.9860		100.0	M
1	2	1.896	1.898	-0.002	36739191	1.03	57.1- 107.1	86.6	
1	3	2.324	2.323	0.001	70927508	0.99	143.5- 193.5	167.1	
1	4	2.453	2.455	-0.002	32224604	1.18	40.1- 90.1	75.9	
1	5	2.866	2.867	-0.001	31581550	1.08	41.3- 91.3	74.4	
Average of Peak Amounts =						1.05			
2	6	2.147	2.148	-0.001	25949740	1.07		100.0	
2	7	2.571	2.573	-0.002	25300266	1.08	67.8- 127.8	97.5	
2	8	3.053	3.054	-0.001	45166344	1.11	132.2- 192.2	174.1	
2	9	3.200	3.201	-0.001	18873718	1.08	40.5- 100.5	72.7	
2	10	3.854	3.854	0.000	16323452	1.10	30.2- 90.2	62.9	
Average of Peak Amounts =						1.09			
						RPD = 3.05			

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 22-Oct-2012 09:17:41

Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP13\20121019-14228.b\P1300046.D

Injection Date: 22-Oct-2012 03:34:31

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP13

Lims Batch ID: 62068

Lims Sample ID: 46

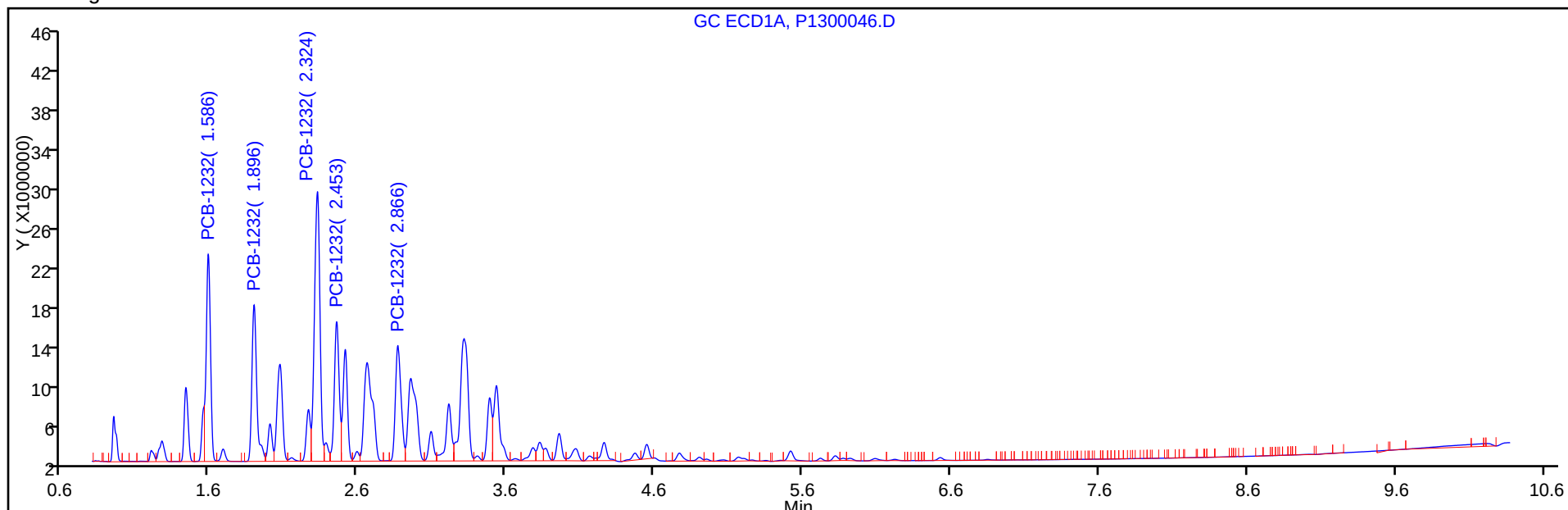
Operator ID:

Injection Vol: 1.0 ul

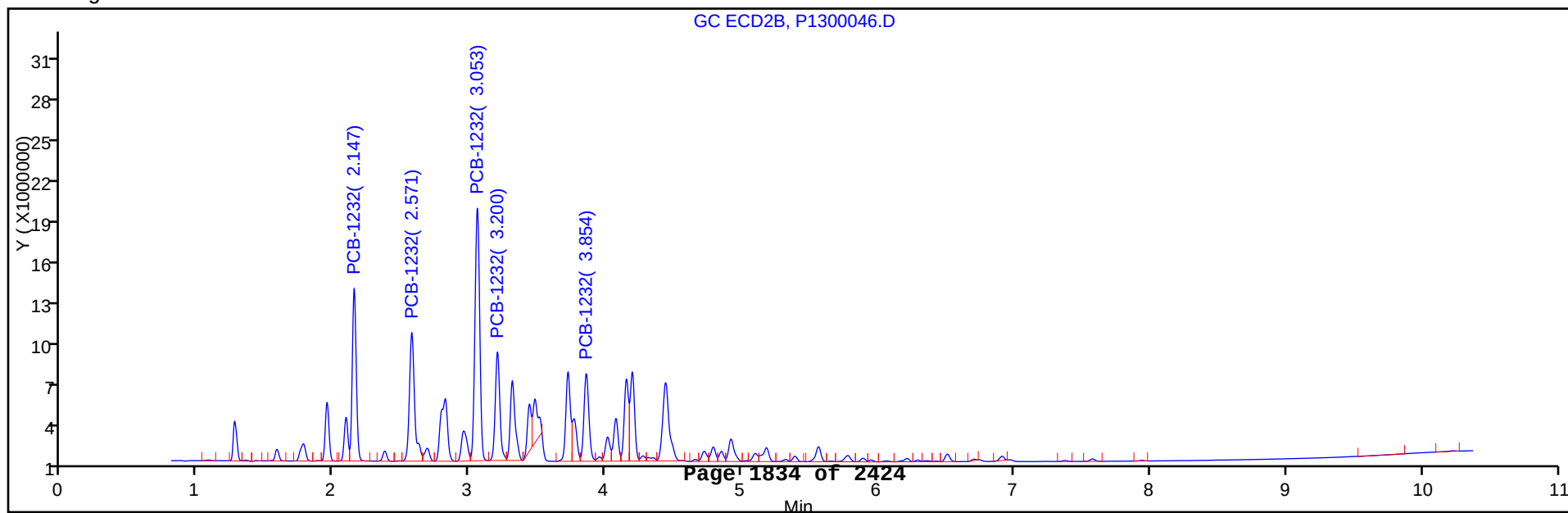
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17525-1
SDG No.: _____
Lab Sample ID: ICV 240-62068/47 Calibration Date: 10/22/2012 03:49
Instrument ID: A2HP13 Calib Start Date: 10/21/2012 18:22
GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 10/21/2012 19:37
Lab File ID: P1300047.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1242 Peak 1	Ave	32907992	31183923		0.948	1.00	-5.2	
PCB-1242 Peak 2	Ave	59672785	55955291		0.938	1.00	-6.2	
PCB-1242 Peak 3	Ave	127394823	113741548		0.893	1.00	-10.7	
PCB-1242 Peak 4	Ave	51831636	52175029		1.01	1.00	0.7	
PCB-1242 Peak 5	Ave	56160721	55256528		0.984	1.00	-1.6	

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17525-1
SDG No.: _____
Lab Sample ID: ICV 240-62068/47 Calibration Date: 10/22/2012 03:49
Instrument ID: A2HP13 Calib Start Date: 10/21/2012 18:22
GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 10/21/2012 19:37
Lab File ID: P1300047.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1242 Peak 1	1.59	1.54	1.64
PCB-1242 Peak 2	1.90	1.85	1.95
PCB-1242 Peak 3	2.32	2.27	2.37
PCB-1242 Peak 4	2.45	2.40	2.50
PCB-1242 Peak 5	2.87	2.82	2.92

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300047.D
 Lims ID: ICV 1242 Client ID:
 Inject. Date: 22-Oct-2012 03:49:26 Dil. Factor: 1.0000
 Sample Type: ICV
 Sample ID: 240-0014228-047
 Misc. Info.:
 Operator: Instrument ID: A2HP13
 Injection Vol: 1.0 ul ALS Bottle#: 47
 Lims Batch ID: 62068 Lims Sample ID: 47
 Sublist:
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m
 Last Update: 22-Oct-2012 09:17:22 Calib Date: 22-Oct-2012 03:04:38
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK013

First Level Reviewer: hassl

Date: 22-Oct-2012 09:15:58

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									M
1	100	1.586	1.587	-0.001	31183923	0.9476		100.0	M
1	2	1.895	1.896	-0.001	55955291	0.9377	156.0- 206.0	179.4	
1	3	2.323	2.323	0.000	113741548	0.8928	355.0- 405.0	364.7	
1	4	2.454	2.454	0.000	52175029	1.01	131.0- 181.0	167.3	
1	5	2.867	2.868	-0.001	55256528	0.9839	142.4- 192.4	177.2	
Average of Peak Amounts =						0.9537			
2	6	2.147	2.148	-0.001	17410907	0.9335		100.0	
2	7	2.571	2.573	-0.002	36507544	0.9584	176.6- 236.6	209.7	
2	8	3.053	3.053	0.000	72407501	1.00	356.3- 416.3	415.9	
2	9	3.201	3.202	-0.001	30129419	0.9667	135.8- 195.8	173.0	
2	10	3.720	3.719	0.001	27166293	0.9699	121.8- 181.8	156.0	
Average of Peak Amounts =						0.9650			
						RPD = 1.17			

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 22-Oct-2012 09:17:38

Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP13\20121019-14228.b\P1300047.D

Injection Date: 22-Oct-2012 03:49:26

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP13

Lims Batch ID: 62068

Lims Sample ID: 47

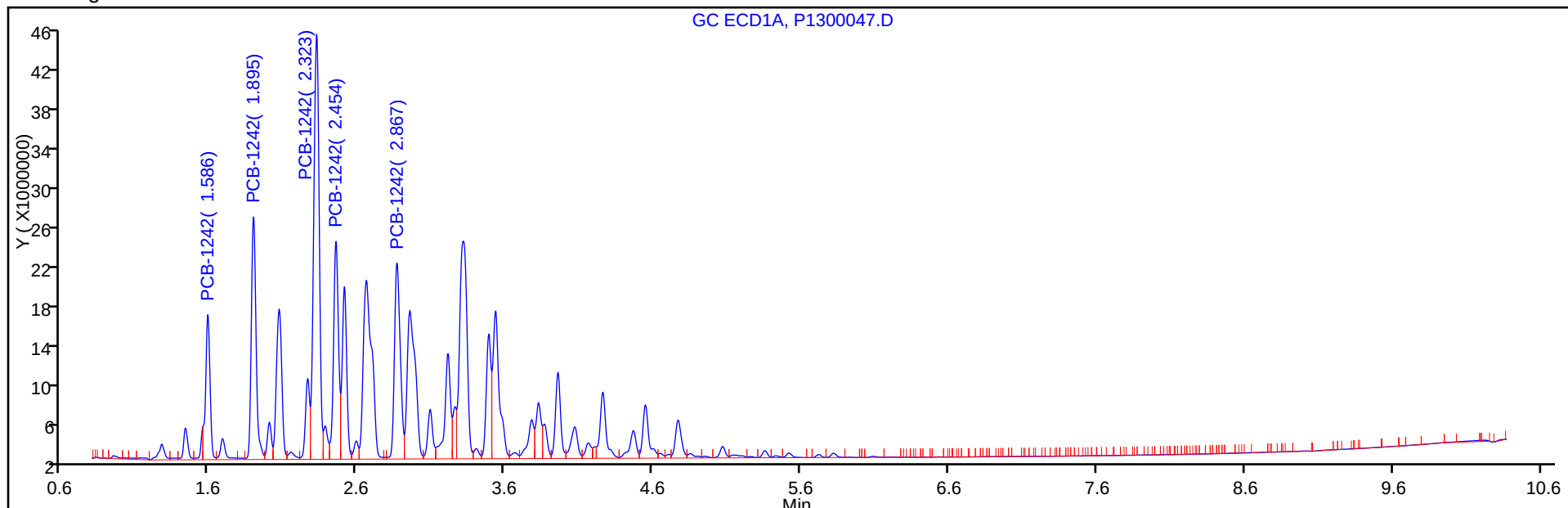
Operator ID:

Injection Vol: 1.0 ul

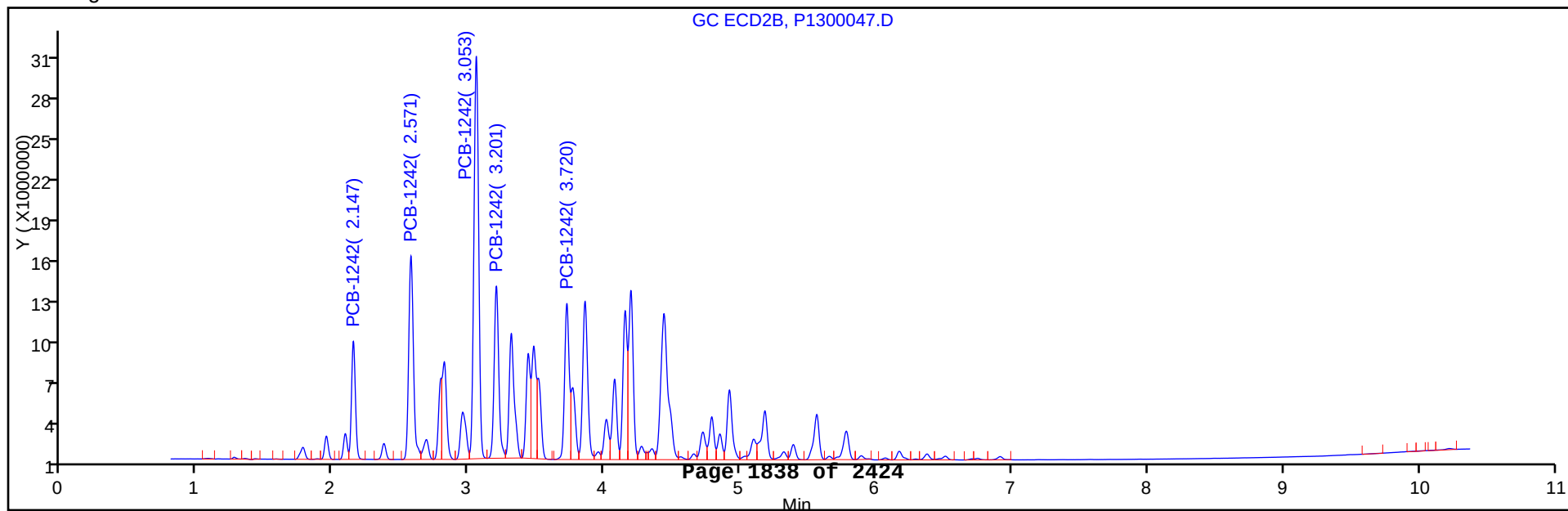
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton

Data File: \\NCCrom\ChromData\A2HP13\20121019-14228.b\P1300047.D

Injection Date: 22-Oct-2012 03:49:26

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP13

Lims Batch ID: 62068

Lims Sample ID: 47

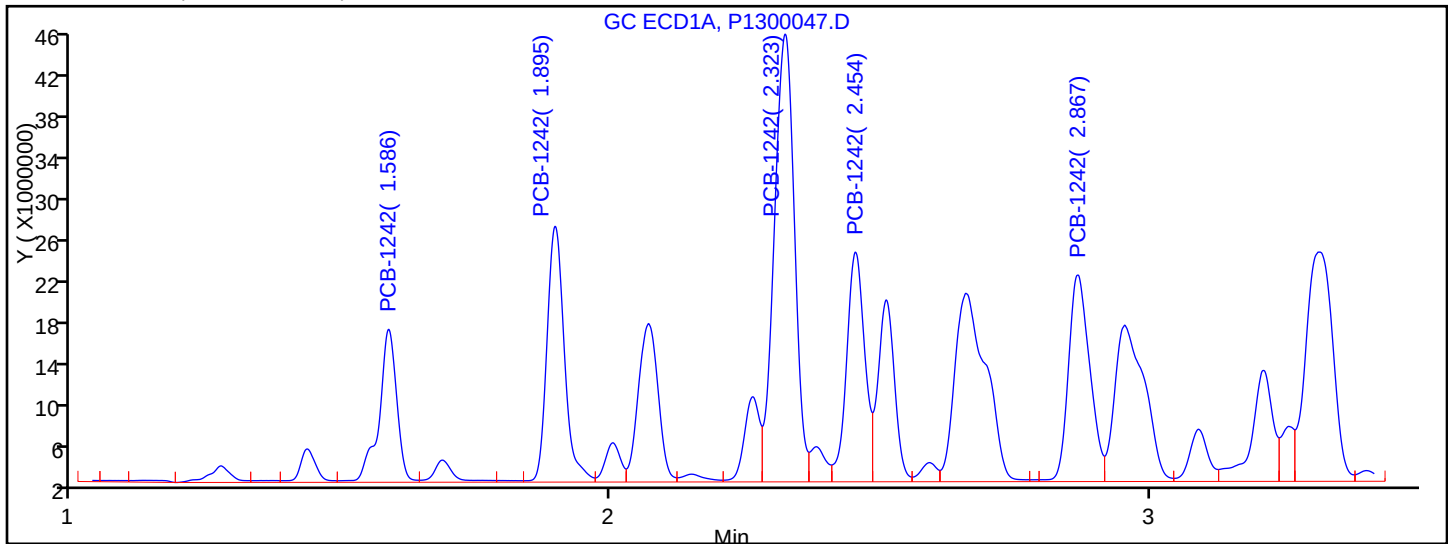
Operator ID:

Injection Vol: 1.0 ul

Column Type:

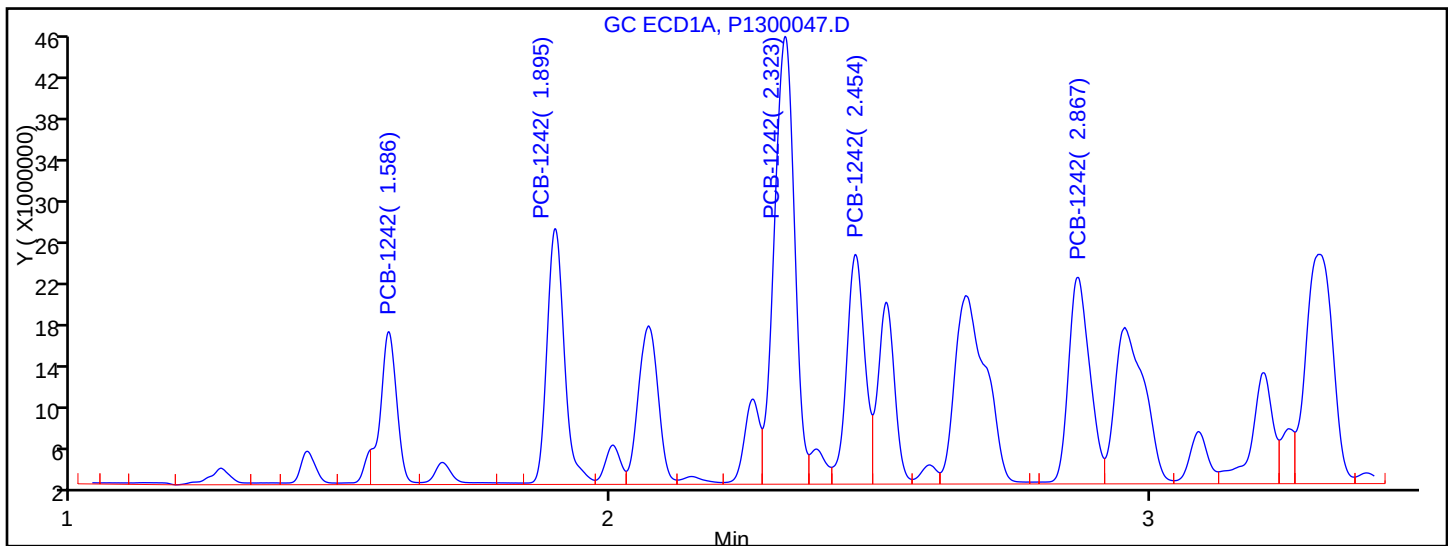
Column Dia:

5 PCB-1242, Detector: 1, GC ECD1A



Processing Integration Results

RT = 1.586	Response = 34205640	M
RT = 1.895	Response = 55955291	
RT = 2.323	Response = 113741548	
RT = 2.454	Response = 52175029	
RT = 2.867	Response = 55256528	



Manual Integration Results

RT = 1.586	Response = 31183923	M
RT = 1.895	Response = 55955291	
RT = 2.323	Response = 113741548	
RT = 2.454	Response = 52175029	
RT = 2.867	Response = 55256528	

Reviewer: hassl, 22-Oct-2012 09:15:58

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17525-1
SDG No.: _____
Lab Sample ID: ICV 240-62068/47 Calibration Date: 10/22/2012 03:49
Instrument ID: A2HP13 Calib Start Date: 10/21/2012 18:22
GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 10/21/2012 19:37
Lab File ID: P1300047.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1242 Peak 1	Ave	18651521	17410907		0.933	1.00	-6.7	
PCB-1242 Peak 2	Ave	38092065	36507544		0.958	1.00	-4.2	
PCB-1242 Peak 3	Ave	72669204	72407501		0.996	1.00	-0.4	
PCB-1242 Peak 4	Ave	31166848	30129419		0.967	1.00	-3.3	
PCB-1242 Peak 5	Ave	28008369	27166293		0.970	1.00	-3.0	

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17525-1
SDG No.: _____
Lab Sample ID: ICV 240-62068/47 Calibration Date: 10/22/2012 03:49
Instrument ID: A2HP13 Calib Start Date: 10/21/2012 18:22
GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 10/21/2012 19:37
Lab File ID: P1300047.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1242 Peak 1	2.15	2.10	2.20
PCB-1242 Peak 2	2.57	2.52	2.62
PCB-1242 Peak 3	3.05	3.00	3.10
PCB-1242 Peak 4	3.20	3.15	3.25
PCB-1242 Peak 5	3.72	3.67	3.77

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP13\20121019-14228.b\P1300047.D
 Lims ID: ICV 1242 Client ID:
 Inject. Date: 22-Oct-2012 03:49:26 Dil. Factor: 1.0000
 Sample Type: ICV
 Sample ID: 240-0014228-047

Misc. Info.:
 Operator: Instrument ID: A2HP13
 Injection Vol: 1.0 ul ALS Bottle#: 47
 Lims Batch ID: 62068 Lims Sample ID: 47
 Sublist:
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b

Method: \\NCCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m
 Last Update: 22-Oct-2012 09:17:22 Calib Date: 22-Oct-2012 03:04:38
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK013

First Level Reviewer: hassl

Date: 22-Oct-2012 09:15:58

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									M
1	100	1.586	1.587	-0.001	31183923	0.9476		100.0	M
1	2	1.895	1.896	-0.001	55955291	0.9377	156.0- 206.0	179.4	
1	3	2.323	2.323	0.000	113741548	0.8928	355.0- 405.0	364.7	
1	4	2.454	2.454	0.000	52175029	1.01	131.0- 181.0	167.3	
1	5	2.867	2.868	-0.001	55256528	0.9839	142.4- 192.4	177.2	
Average of Peak Amounts =						0.9537			
2	6	2.147	2.148	-0.001	17410907	0.9335		100.0	
2	7	2.571	2.573	-0.002	36507544	0.9584	176.6- 236.6	209.7	
2	8	3.053	3.053	0.000	72407501	1.00	356.3- 416.3	415.9	
2	9	3.201	3.202	-0.001	30129419	0.9667	135.8- 195.8	173.0	
2	10	3.720	3.719	0.001	27166293	0.9699	121.8- 181.8	156.0	
Average of Peak Amounts =						0.9650			
						RPD = 1.17			

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 22-Oct-2012 09:17:38

Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP13\20121019-14228.b\P1300047.D

Injection Date: 22-Oct-2012 03:49:26

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP13

Lims Batch ID: 62068

Lims Sample ID: 47

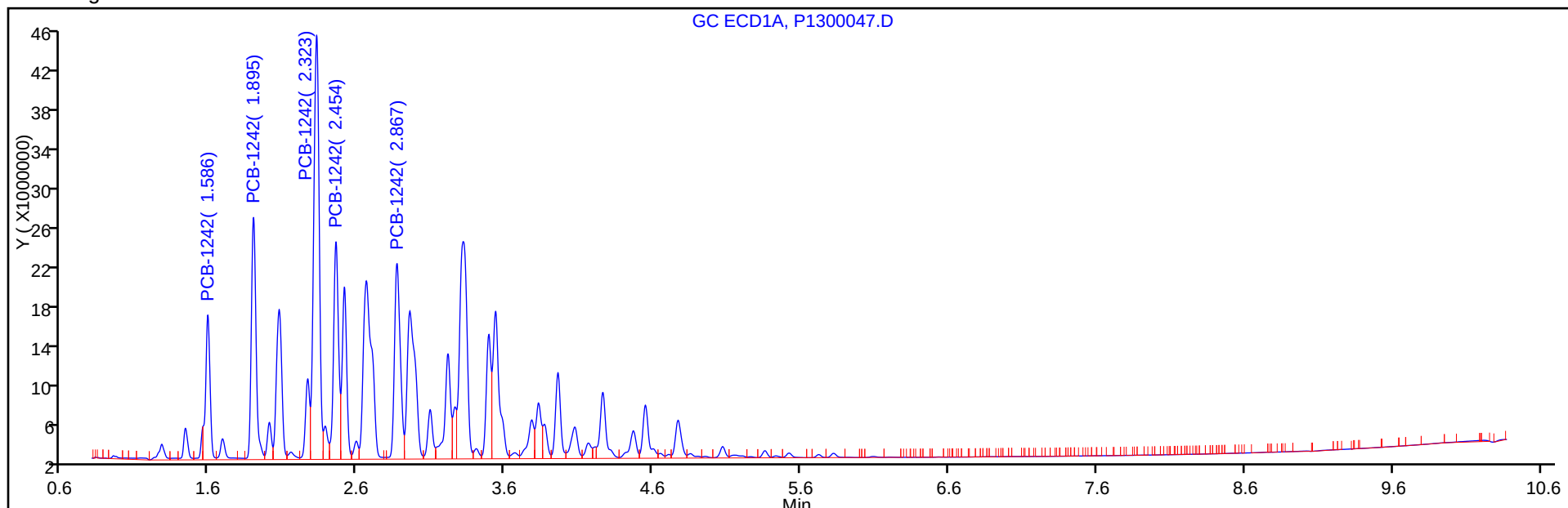
Operator ID:

Injection Vol: 1.0 ul

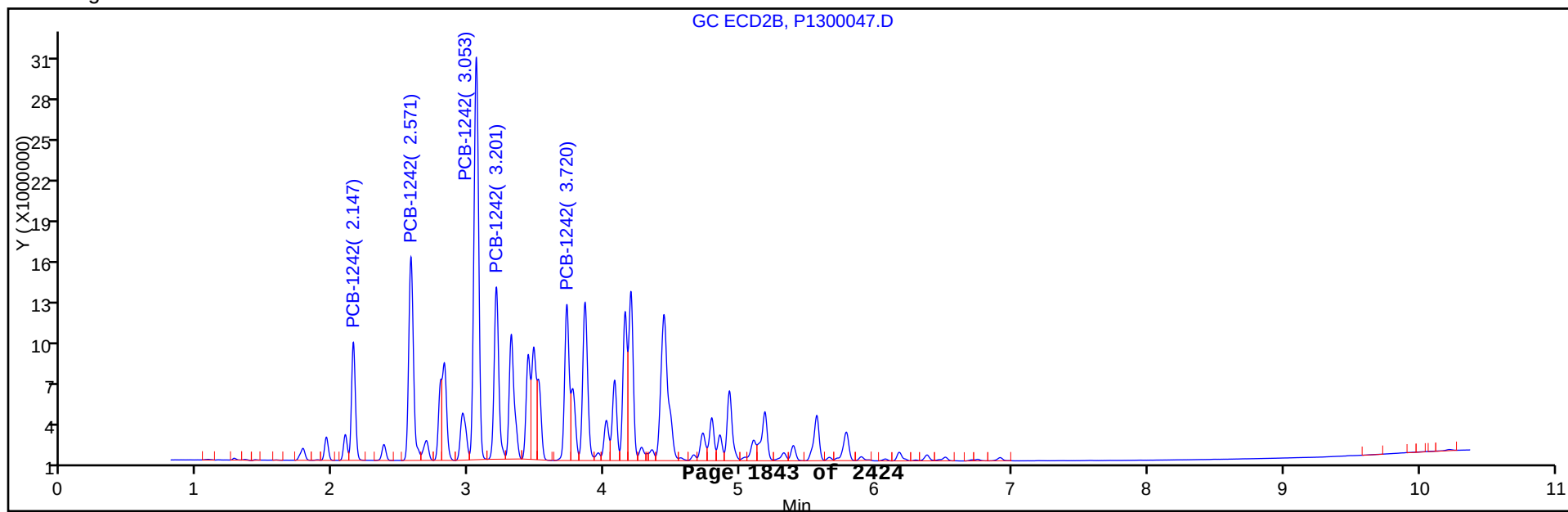
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17525-1
SDG No.: _____
Lab Sample ID: ICV 240-62068/48 Calibration Date: 10/22/2012 04:04
Instrument ID: A2HP13 Calib Start Date: 10/21/2012 19:52
GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 10/21/2012 21:07
Lab File ID: P1300048.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1248 Peak 1	Ave	30360760	31669282		1.04	1.00	4.3	
PCB-1248 Peak 2	Ave	85512527	80529210		0.942	1.00	-5.8	
PCB-1248 Peak 3	Ave	91721796	87576230		0.955	1.00	-4.5	
PCB-1248 Peak 4	Ave	52262328	50034251		0.957	1.00	-4.3	
PCB-1248 Peak 5	Ave	45872480	46288328		1.01	1.00	0.9	

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17525-1
SDG No.: _____
Lab Sample ID: ICV 240-62068/48 Calibration Date: 10/22/2012 04:04
Instrument ID: A2HP13 Calib Start Date: 10/21/2012 19:52
GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 10/21/2012 21:07
Lab File ID: P1300048.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1248 Peak 1	1.90	1.85	1.95
PCB-1248 Peak 2	2.32	2.27	2.37
PCB-1248 Peak 3	2.87	2.82	2.92
PCB-1248 Peak 4	3.49	3.44	3.54
PCB-1248 Peak 5	3.96	3.91	4.01

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP13\20121019-14228.b\P1300048.D
 Lims ID: ICV 1248 Client ID:
 Inject. Date: 22-Oct-2012 04:04:20 Dil. Factor: 1.0000
 Sample Type: ICV
 Sample ID: 240-0014228-048
 Misc. Info.:
 Operator: Instrument ID: A2HP13
 Injection Vol: 1.0 ul ALS Bottle#: 48
 Lims Batch ID: 62068 Lims Sample ID: 48
 Sublist:
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m
 Last Update: 22-Oct-2012 09:17:22 Calib Date: 22-Oct-2012 03:04:38
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK013

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
7 PCB-1248									
1	86	1.895	1.895	0.000	31669282	1.04		100.0	
1	2	2.322	2.319	0.003	80529210	0.9417	252.8- 302.8	254.3	
1	3	2.866	2.866	0.000	87576230	0.9548	276.3- 326.3	276.5	
1	4	3.488	3.489	-0.001	50034251	0.9574	147.9- 197.9	158.0	
1	5	3.955	3.955	0.000	46288328	1.01	126.1- 176.1	146.2	
Average of Peak Amounts =						0.9812			
2	6	2.570	2.570	0.000	20607817	1.08		100.0	
2	7	3.052	3.053	-0.001	52270819	1.06	225.1- 285.1	253.6	
2	8	3.719	3.719	0.000	58714049	0.9709	285.5- 345.5	284.9	
2	9	3.853	3.853	0.000	47710116	0.9598	227.4- 287.4	231.5	
2	10	4.917	4.916	0.001	29540895	0.9887	126.6- 186.6	143.3	
Average of Peak Amounts =						1.01			
						RPD = 3.01			

Report Date: 22-Oct-2012 09:17:36

Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

Data File: \\NCCchrom\ChromData\A2HP13\20121019-14228.b\1300048.D

Injection Date: 22-Oct-2012 04:04:20

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP13

Lims Batch ID: 62068

Lims Sample ID: 48

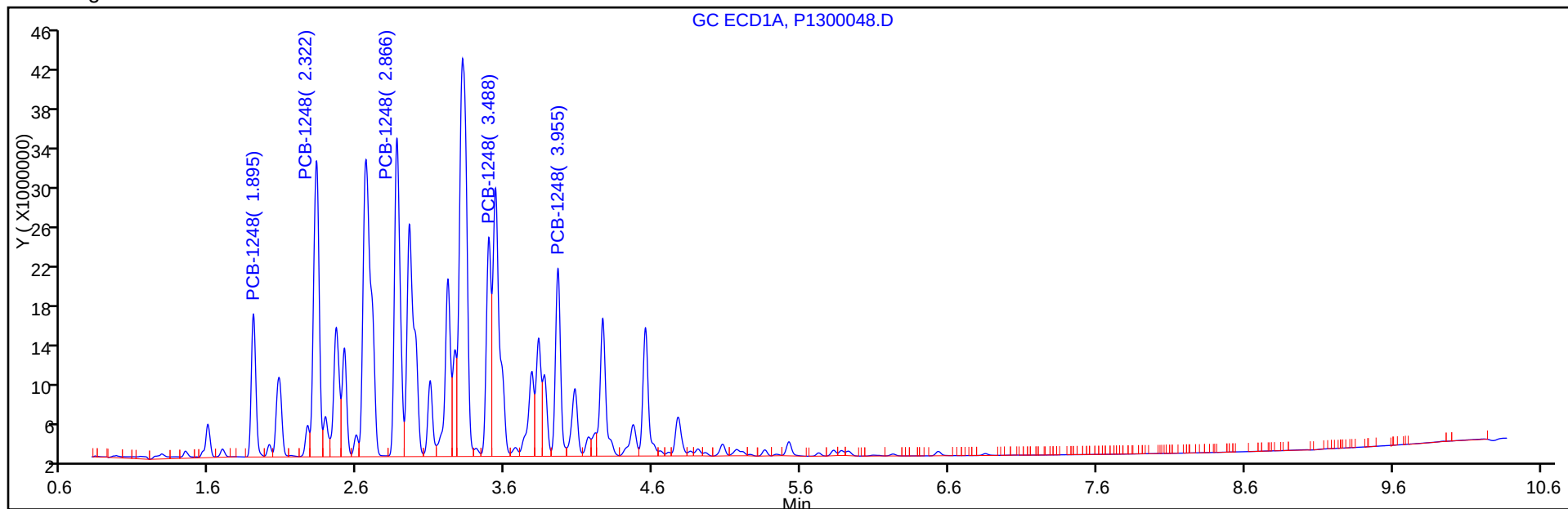
Operator ID:

Injection Vol: 1.0 ul

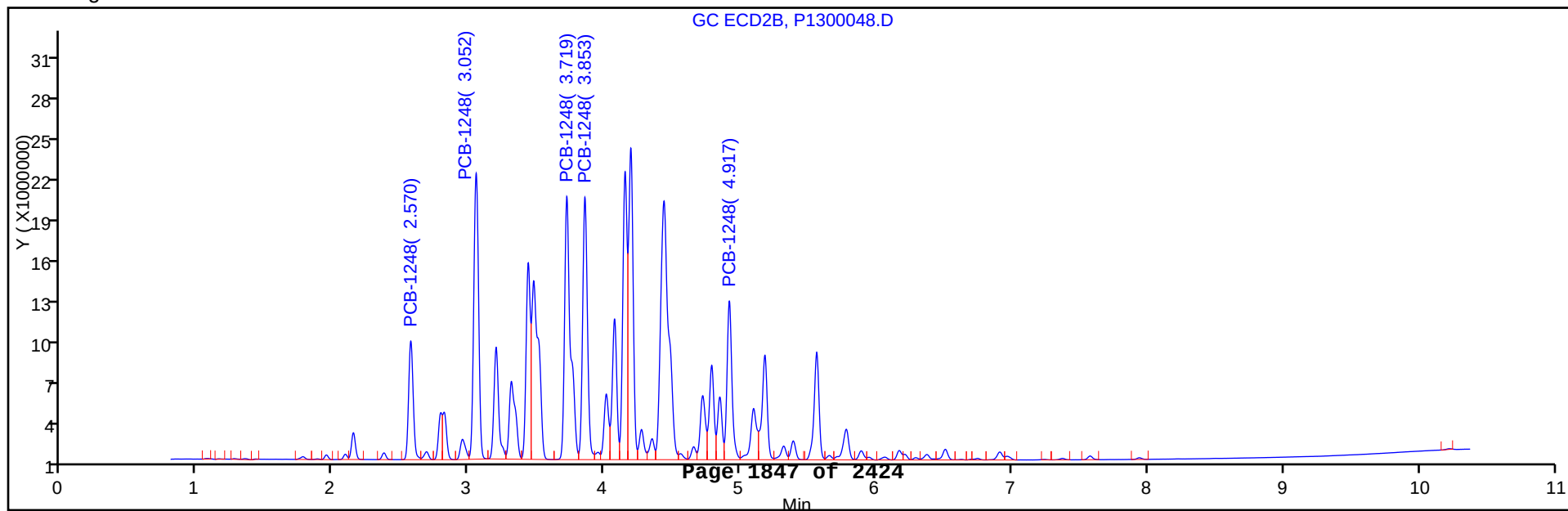
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17525-1
SDG No.: _____
Lab Sample ID: ICV 240-62068/48 Calibration Date: 10/22/2012 04:04
Instrument ID: A2HP13 Calib Start Date: 10/21/2012 19:52
GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 10/21/2012 21:07
Lab File ID: P1300048.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1248 Peak 1	Ave	19163111	20607817		1.08	1.00	7.5	
PCB-1248 Peak 2	Ave	49264300	52270819		1.06	1.00	6.1	
PCB-1248 Peak 3	Ave	60474000	58714049		0.971	1.00	-2.9	
PCB-1248 Peak 4	Ave	49709099	47710116		0.960	1.00	-4.0	
PCB-1248 Peak 5	Ave	29879712	29540895		0.989	1.00	-1.1	

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17525-1
SDG No.: _____
Lab Sample ID: ICV 240-62068/48 Calibration Date: 10/22/2012 04:04
Instrument ID: A2HP13 Calib Start Date: 10/21/2012 19:52
GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 10/21/2012 21:07
Lab File ID: P1300048.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1248 Peak 1	2.57	2.52	2.62
PCB-1248 Peak 2	3.05	3.00	3.10
PCB-1248 Peak 3	3.72	3.67	3.77
PCB-1248 Peak 4	3.85	3.80	3.90
PCB-1248 Peak 5	4.92	4.87	4.97

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP13\20121019-14228.b\P1300048.D
 Lims ID: ICV 1248 Client ID:
 Inject. Date: 22-Oct-2012 04:04:20 Dil. Factor: 1.0000
 Sample Type: ICV
 Sample ID: 240-0014228-048
 Misc. Info.:
 Operator: Instrument ID: A2HP13
 Injection Vol: 1.0 ul ALS Bottle#: 48
 Lims Batch ID: 62068 Lims Sample ID: 48
 Sublist:
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m
 Last Update: 22-Oct-2012 09:17:22 Calib Date: 22-Oct-2012 03:04:38
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK013

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
7 PCB-1248									
1	86	1.895	1.895	0.000	31669282	1.04		100.0	
1	2	2.322	2.319	0.003	80529210	0.9417	252.8- 302.8	254.3	
1	3	2.866	2.866	0.000	87576230	0.9548	276.3- 326.3	276.5	
1	4	3.488	3.489	-0.001	50034251	0.9574	147.9- 197.9	158.0	
1	5	3.955	3.955	0.000	46288328	1.01	126.1- 176.1	146.2	
Average of Peak Amounts =						0.9812			
2	6	2.570	2.570	0.000	20607817	1.08		100.0	
2	7	3.052	3.053	-0.001	52270819	1.06	225.1- 285.1	253.6	
2	8	3.719	3.719	0.000	58714049	0.9709	285.5- 345.5	284.9	
2	9	3.853	3.853	0.000	47710116	0.9598	227.4- 287.4	231.5	
2	10	4.917	4.916	0.001	29540895	0.9887	126.6- 186.6	143.3	
Average of Peak Amounts =						1.01			
						RPD = 3.01			

Report Date: 22-Oct-2012 09:17:36

Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

Data File: \\NCCchrom\ChromData\A2HP13\20121019-14228.b\P1300048.D

Injection Date: 22-Oct-2012 04:04:20

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP13

Lims Batch ID: 62068

Lims Sample ID: 48

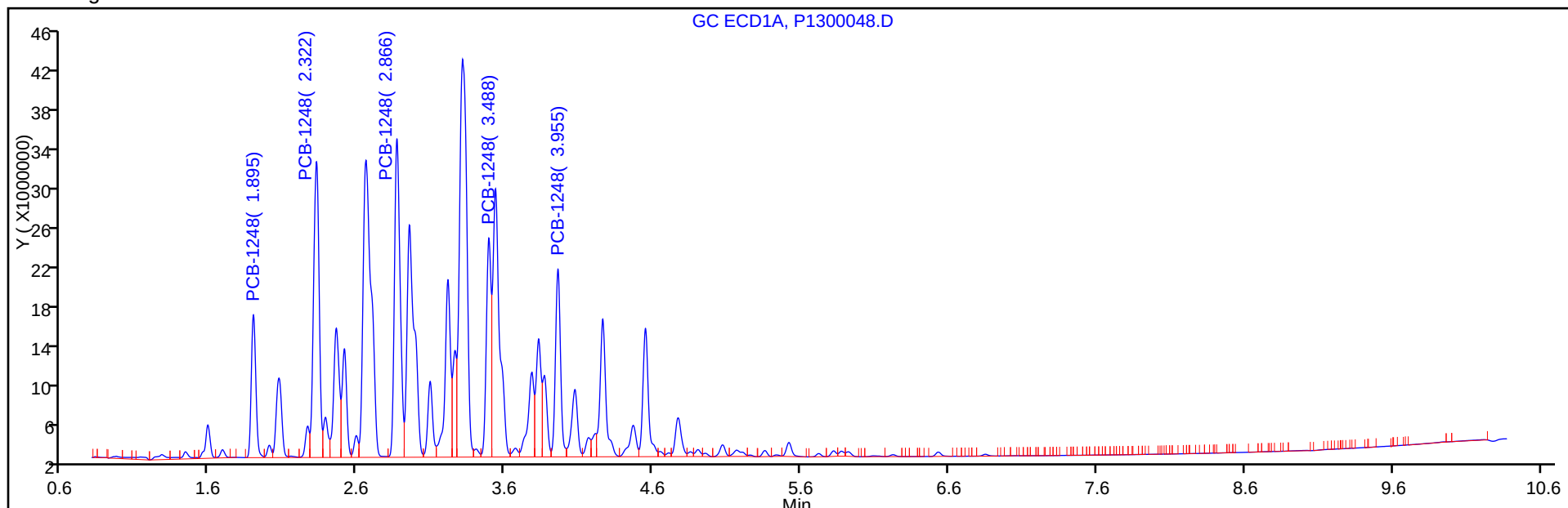
Operator ID:

Injection Vol: 1.0 ul

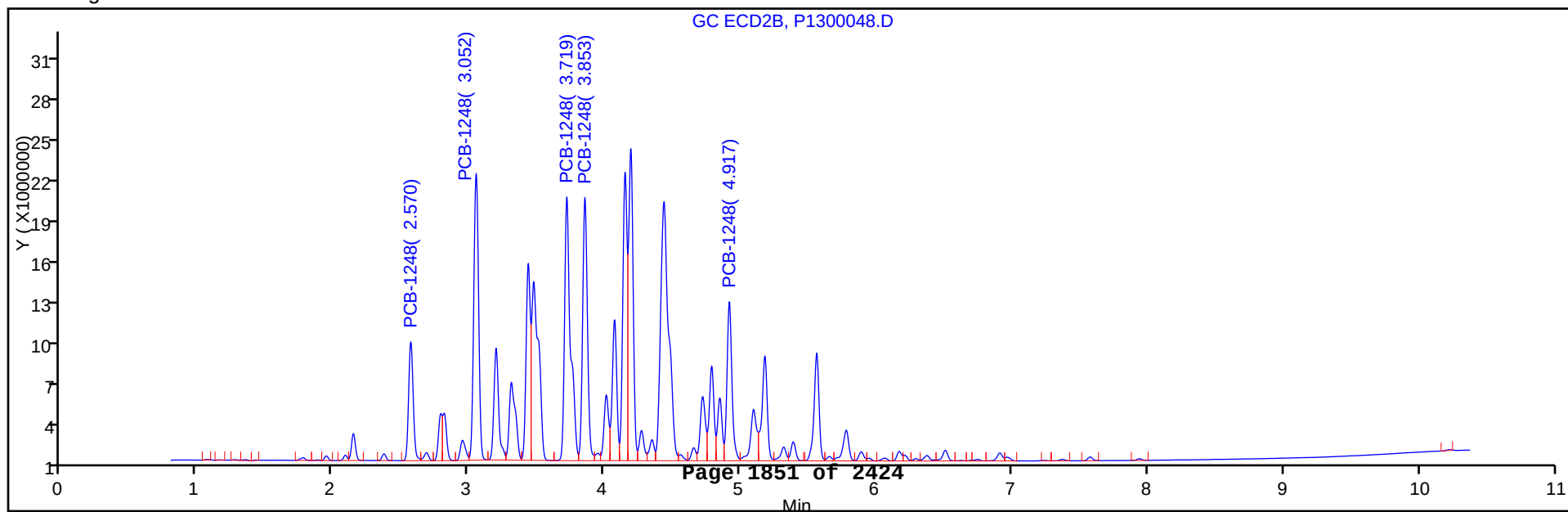
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17525-1
SDG No.: _____
Lab Sample ID: ICV 240-62068/49 Calibration Date: 10/22/2012 04:19
Instrument ID: A2HP13 Calib Start Date: 10/21/2012 21:21
GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 10/21/2012 22:36
Lab File ID: P1300049.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1254 Peak 1	Ave	129854337	134604744		1.04	1.00	3.7	
PCB-1254 Peak 2	Ave	140607863	136235384		0.969	1.00	-3.1	
PCB-1254 Peak 3	Ave	114573263	123557280		1.08	1.00	7.8	
PCB-1254 Peak 4	Ave	98278501	106942531		1.09	1.00	8.8	
PCB-1254 Peak 5	Ave	141316304	157505677		1.11	1.00	11.5	

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17525-1
SDG No.: _____
Lab Sample ID: ICV 240-62068/49 Calibration Date: 10/22/2012 04:19
Instrument ID: A2HP13 Calib Start Date: 10/21/2012 21:21
GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 10/21/2012 22:36
Lab File ID: P1300049.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1254 Peak 1	3.54	3.49	3.59
PCB-1254 Peak 2	3.96	3.91	4.01
PCB-1254 Peak 3	4.26	4.21	4.31
PCB-1254 Peak 4	4.47	4.42	4.52
PCB-1254 Peak 5	4.77	4.72	4.82

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP13\20121019-14228.b\P1300049.D
 Lims ID: ICV 1254 Client ID:
 Inject. Date: 22-Oct-2012 04:19:14 Dil. Factor: 1.0000
 Sample Type: ICV
 Sample ID: 240-0014228-049
 Misc. Info.:
 Operator: Instrument ID: A2HP13
 Injection Vol: 1.0 ul ALS Bottle#: 49
 Lims Batch ID: 62068 Lims Sample ID: 49
 Sublist:
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m
 Last Update: 22-Oct-2012 09:17:22 Calib Date: 22-Oct-2012 03:04:38
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK013

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
8 PCB-1254									
1	100	3.541	3.541	0.000	134604744	1.04		100.0	
1	2	3.955	3.956	-0.001	136235384	0.9689	82.6- 132.6	101.2	
1	3	4.260	4.259	0.001	123557280	1.08	64.9- 114.9	91.8	
1	4	4.465	4.467	-0.002	106942531	1.09	49.9- 99.9	79.4	
1	5	4.768	4.768	0.000	157505677	1.11	84.1- 134.1	117.0	
		Average of Peak Amounts =				1.06			
2	6	4.414	4.413	0.001	59335114	1.04		100.0	
2	7	4.917	4.918	-0.001	91433133	1.03	124.0- 184.0	154.1	
2	8	5.178	5.179	-0.001	65423220	1.08	76.3- 136.3	110.3	
2	9	5.560	5.562	-0.002	73452526	1.09	87.0- 147.0	123.8	
2	10	5.779	5.779	0.000	98411635	1.13	121.1- 181.1	165.9	
		Average of Peak Amounts =				1.07			

RPD = 1.46

Report Date: 22-Oct-2012 09:17:34

Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

Data File: \\NCCchrom\ChromData\A2HP13\20121019-14228.b\1300049.D

Injection Date: 22-Oct-2012 04:19:14

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP13

Lims Batch ID: 62068

Lims Sample ID: 49

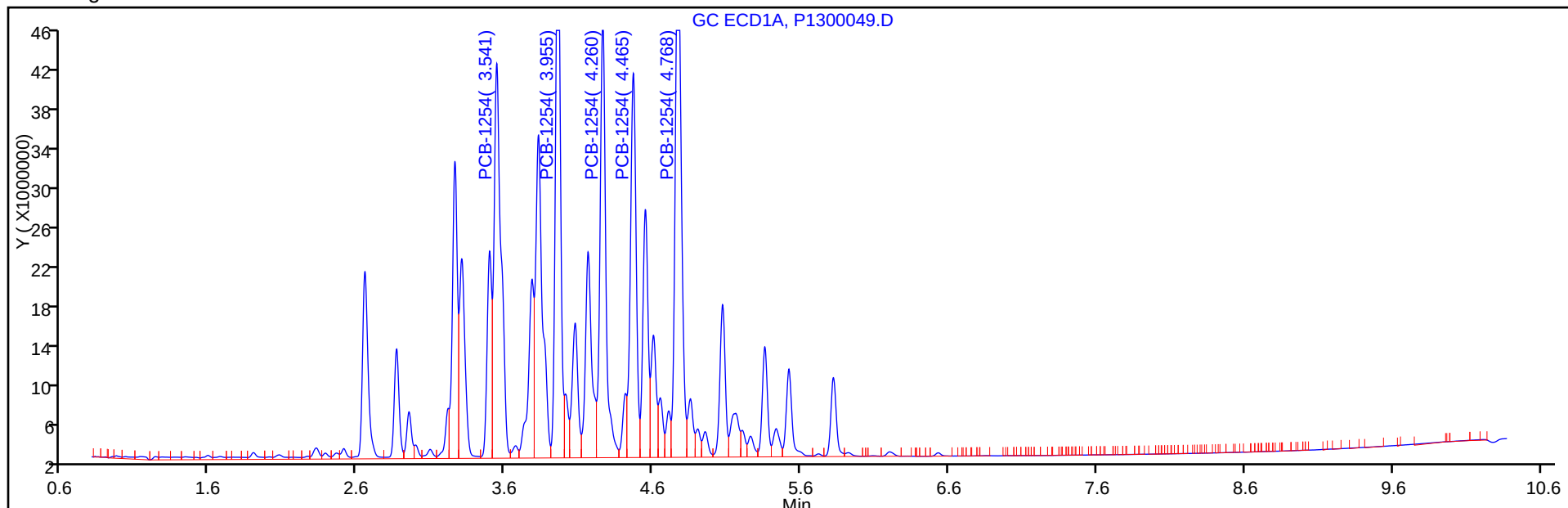
Operator ID:

Injection Vol: 1.0 ul

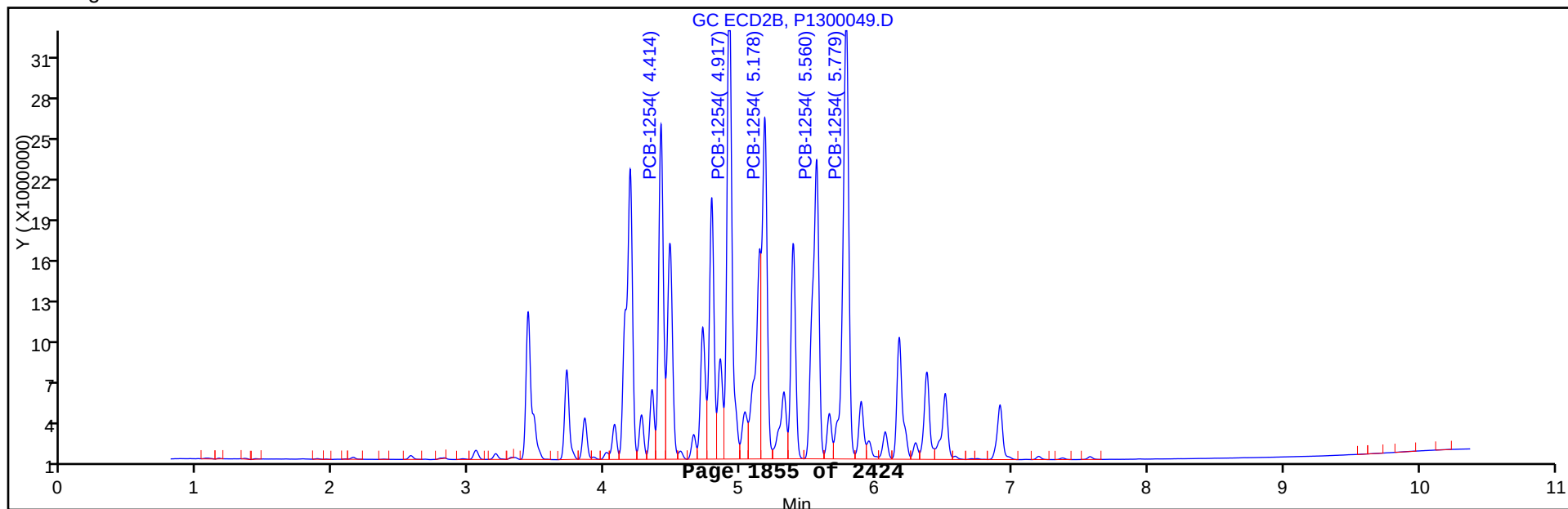
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17525-1
SDG No.: _____
Lab Sample ID: ICV 240-62068/49 Calibration Date: 10/22/2012 04:19
Instrument ID: A2HP13 Calib Start Date: 10/21/2012 21:21
GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 10/21/2012 22:36
Lab File ID: P1300049.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1254 Peak 1	Ave	57268796	59335114		1.04	1.00	3.6	
PCB-1254 Peak 2	Ave	88664644	91433133		1.03	1.00	3.1	
PCB-1254 Peak 3	Ave	60796972	65423220		1.08	1.00	7.6	
PCB-1254 Peak 4	Ave	67557439	73452526		1.09	1.00	8.7	
PCB-1254 Peak 5	Ave	86824427	98411635		1.13	1.00	13.3	

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17525-1
SDG No.: _____
Lab Sample ID: ICV 240-62068/49 Calibration Date: 10/22/2012 04:19
Instrument ID: A2HP13 Calib Start Date: 10/21/2012 21:21
GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 10/21/2012 22:36
Lab File ID: P1300049.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1254 Peak 1	4.41	4.36	4.46
PCB-1254 Peak 2	4.92	4.87	4.97
PCB-1254 Peak 3	5.18	5.13	5.23
PCB-1254 Peak 4	5.56	5.51	5.61
PCB-1254 Peak 5	5.78	5.73	5.83

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP13\20121019-14228.b\P1300049.D
 Lims ID: ICV 1254 Client ID:
 Inject. Date: 22-Oct-2012 04:19:14 Dil. Factor: 1.0000
 Sample Type: ICV
 Sample ID: 240-0014228-049
 Misc. Info.:
 Operator: Instrument ID: A2HP13
 Injection Vol: 1.0 ul ALS Bottle#: 49
 Lims Batch ID: 62068 Lims Sample ID: 49
 Sublist:
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m
 Last Update: 22-Oct-2012 09:17:22 Calib Date: 22-Oct-2012 03:04:38
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK013

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
8 PCB-1254									
1	100	3.541	3.541	0.000	134604744	1.04		100.0	
1	2	3.955	3.956	-0.001	136235384	0.9689	82.6- 132.6	101.2	
1	3	4.260	4.259	0.001	123557280	1.08	64.9- 114.9	91.8	
1	4	4.465	4.467	-0.002	106942531	1.09	49.9- 99.9	79.4	
1	5	4.768	4.768	0.000	157505677	1.11	84.1- 134.1	117.0	
		Average of Peak Amounts =				1.06			
2	6	4.414	4.413	0.001	59335114	1.04		100.0	
2	7	4.917	4.918	-0.001	91433133	1.03	124.0- 184.0	154.1	
2	8	5.178	5.179	-0.001	65423220	1.08	76.3- 136.3	110.3	
2	9	5.560	5.562	-0.002	73452526	1.09	87.0- 147.0	123.8	
2	10	5.779	5.779	0.000	98411635	1.13	121.1- 181.1	165.9	
		Average of Peak Amounts =				1.07			

RPD = 1.46

Report Date: 22-Oct-2012 09:17:34

Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

Data File: \\NCCchrom\ChromData\A2HP13\20121019-14228.b\1300049.D

Injection Date: 22-Oct-2012 04:19:14

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP13

Lims Batch ID: 62068

Lims Sample ID: 49

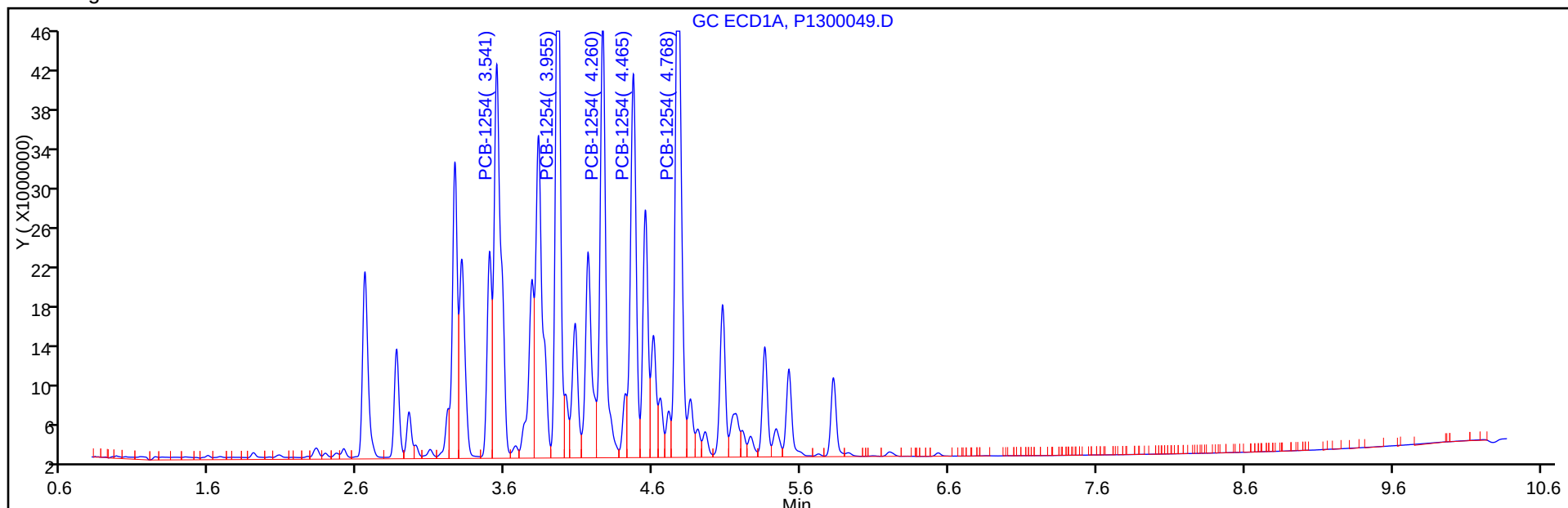
Operator ID:

Injection Vol: 1.0 ul

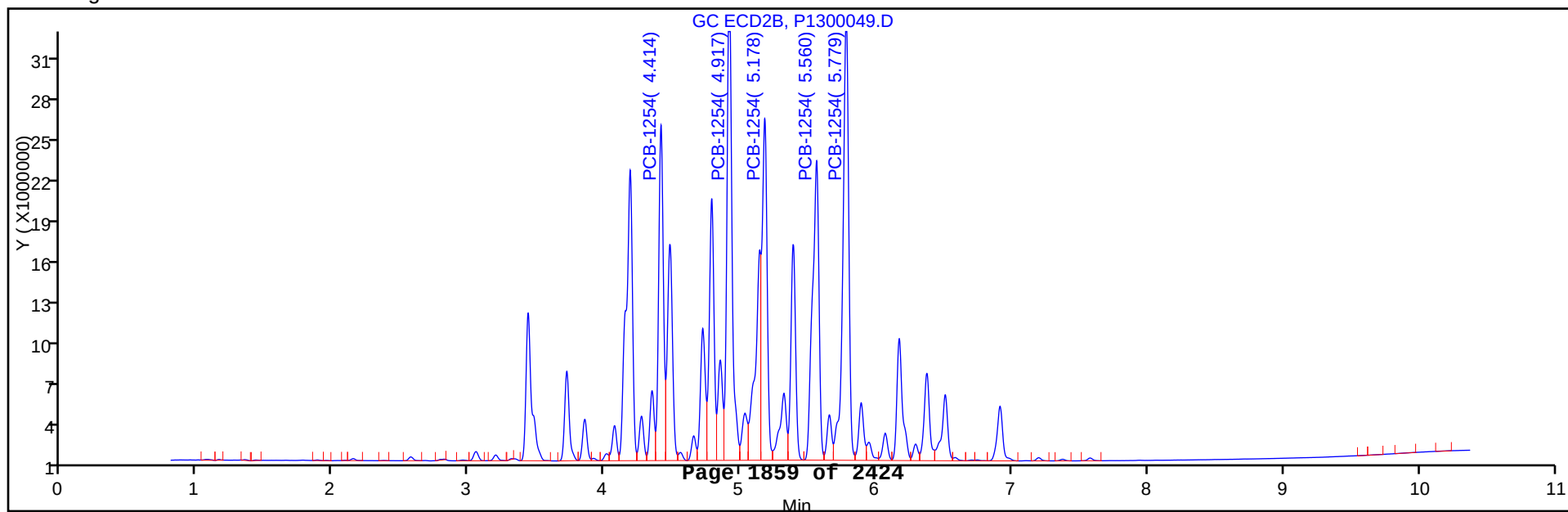
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17525-1
 SDG No.: _____
 Lab Sample ID: ICV 240-62068/50 Calibration Date: 10/22/2012 04:34
 Instrument ID: A2HP13 Calib Start Date: 10/21/2012 22:51
 GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 10/22/2012 00:05
 Lab File ID: P1300050.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	40655544	38228313		0.940	1.00	-6.0	
PCB-1016 Peak 2	Ave	71876982	71723522		0.998	1.00	-0.2	
PCB-1016 Peak 3	Ave	155218061	145252214		0.936	1.00	-6.4	
PCB-1016 Peak 4	Ave	64472512	68052214		1.06	1.00	5.6	
PCB-1016 Peak 5	Ave	67849134	69850424		1.03	1.00	2.9	
PCB-1260 Peak 1	Ave	101355640	101972175		1.01	1.00	0.6	
PCB-1260 Peak 2	Ave	200632590	201607884		1.00	1.00	0.5	
PCB-1260 Peak 3	Ave	200043209	191897453		0.959	1.00	-4.1	
PCB-1260 Peak 4	Ave	271809958	324736998		1.19	1.00	19.5	
PCB-1260 Peak 5	Ave	129152153	145454031		1.13	1.00	12.6	

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17525-1
SDG No.: _____
Lab Sample ID: ICV 240-62068/50 Calibration Date: 10/22/2012 04:34
Instrument ID: A2HP13 Calib Start Date: 10/21/2012 22:51
GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 10/22/2012 00:05
Lab File ID: P1300050.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	1.59	1.54	1.64
PCB-1016 Peak 2	1.90	1.85	1.95
PCB-1016 Peak 3	2.33	2.27	2.37
PCB-1016 Peak 4	2.45	2.40	2.50
PCB-1016 Peak 5	2.87	2.82	2.92
PCB-1260 Peak 1	4.16	4.11	4.21
PCB-1260 Peak 2	4.47	4.42	4.52
PCB-1260 Peak 3	4.77	4.72	4.82
PCB-1260 Peak 4	5.52	5.47	5.57
PCB-1260 Peak 5	5.82	5.77	5.87

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP13\20121019-14228.b\P1300050.D
 Lims ID: ICV 1660 Client ID:
 Inject. Date: 22-Oct-2012 04:34:07 Dil. Factor: 1.0000
 Sample Type: ICV
 Sample ID: 240-0014228-050
 Misc. Info.:
 Operator: Instrument ID: A2HP13
 Injection Vol: 1.0 ul ALS Bottle#: 50
 Lims Batch ID: 62068 Lims Sample ID: 50
 Sublist:
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m
 Last Update: 22-Oct-2012 09:17:22 Calib Date: 22-Oct-2012 03:04:38
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK013

First Level Reviewer: hassl

Date: 22-Oct-2012 09:15:31

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
6 PCB-1016									M
1	100	1.586	1.587	-0.001	38228313	0.9403		100.0	M
1	2	1.896	1.896	0.000	71723522	1.00	149.3- 199.3	187.6	
1	3	2.325	2.323	0.002	145252214	0.9358	350.2- 400.2	380.0	
1	4	2.454	2.453	0.001	68052214	1.06	130.7- 180.7	178.0	
1	5	2.866	2.867	-0.001	69850424	1.03	137.9- 187.9	182.7	
Average of Peak Amounts =						0.99			
2	6	2.147	2.147	0.000	23415698	1.04		100.0	
2	7	2.571	2.571	0.000	48518836	1.03	176.5- 236.5	207.2	
2	8	3.053	3.054	-0.001	97238509	1.07	362.5- 422.5	415.3	
2	9	3.201	3.201	0.000	40441239	1.04	137.9- 197.9	172.7	
2	10	3.855	3.854	0.001	37216207	1.03	118.8- 178.8	158.9	
Average of Peak Amounts =						1.04			
RPD = 5.18									

Data File: \\NCCchrom\ChromData\A2HP13\20121019-14228.b\P1300050.D

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
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10 PCB-1260

1	100	4.160	4.160	0.000	101972175	1.01		100.0	
1	2	4.469	4.469	0.000	201607884	1.00	175.1- 225.1	197.7	
1	3	4.768	4.767	0.001	191897453	0.9593	173.2- 223.2	188.2	
1	4	5.519	5.518	0.001	324736998	1.19	244.1- 294.1	318.5	
1	5	5.821	5.820	0.001	145454031	1.13	101.5- 151.5	142.6	

Average of Peak Amounts = 1.06

2	6	5.141	5.141	0.000	66548848	1.00		100.0	
2	7	5.388	5.389	-0.001	81523657	1.12	86.6- 146.6	122.5	
2	8	5.776	5.776	0.000	112380662	0.9619	142.9- 202.9	168.9	
2	9	6.510	6.509	0.001	177322502	1.25	179.5- 239.5	266.5	
2	10	6.911	6.910	0.001	124132552	1.19	121.8- 181.8	186.5	

Average of Peak Amounts = 1.10

RPD = 4.17

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 22-Oct-2012 09:17:31

Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP13\20121019-14228.b\P1300050.D

Injection Date: 22-Oct-2012 04:34:07

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP13

Lims Batch ID: 62068

Lims Sample ID: 50

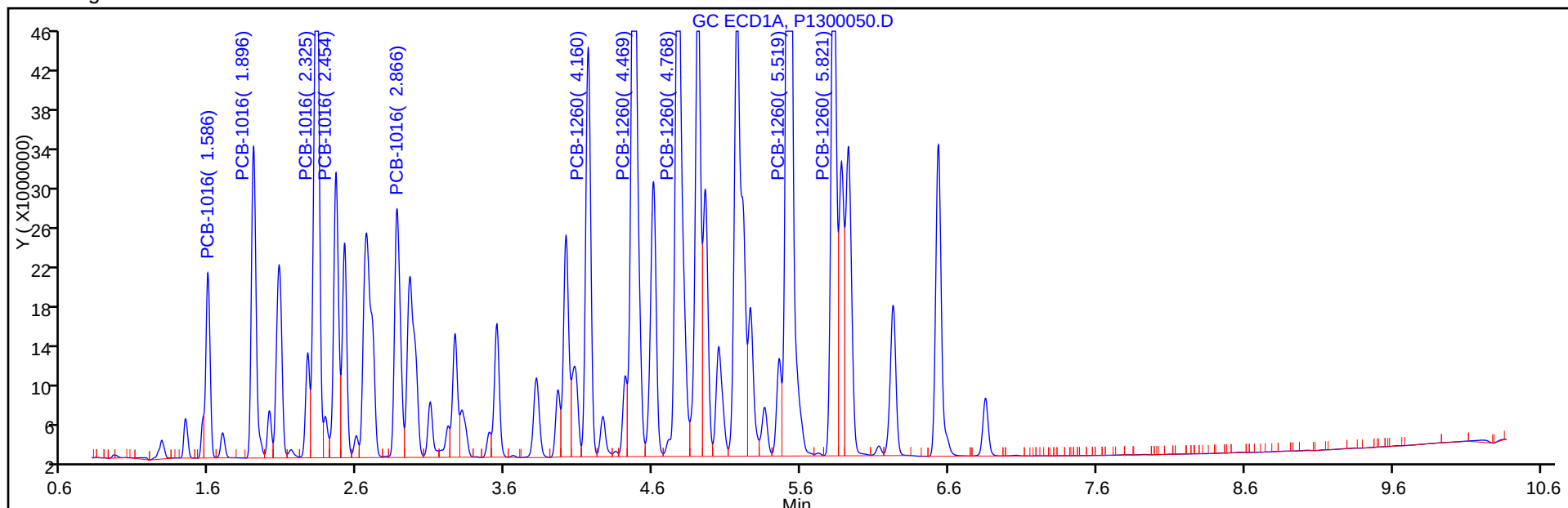
Operator ID:

Injection Vol: 1.0 ul

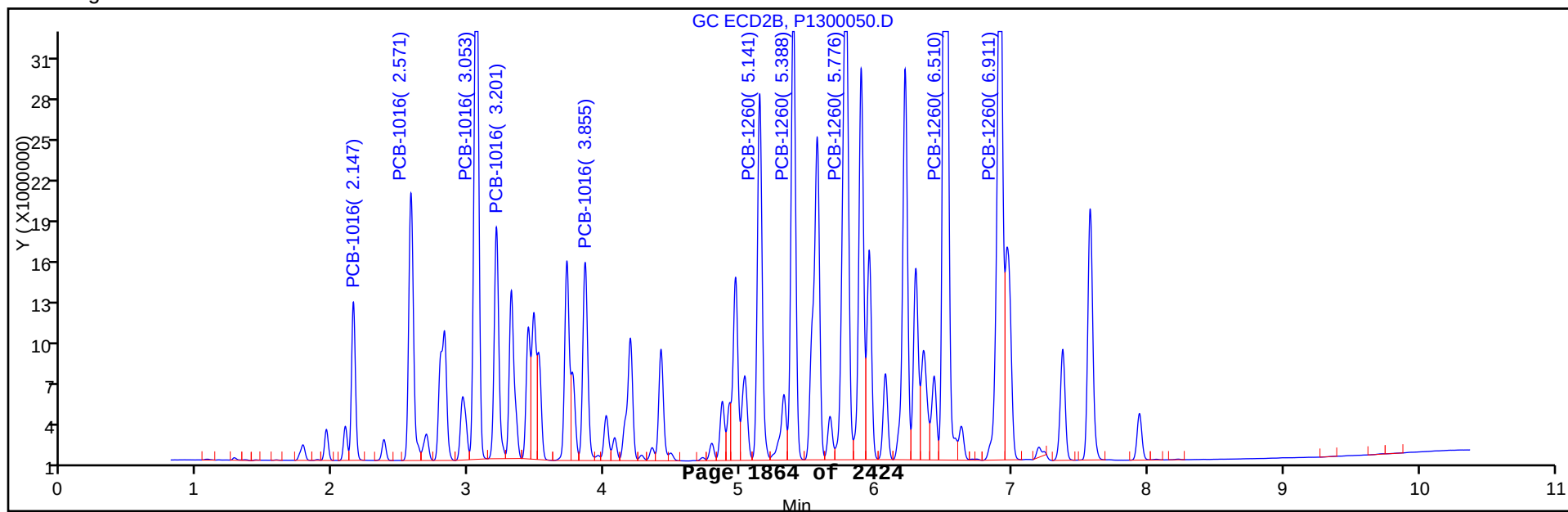
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Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton

Data File: \\NCCrom\ChromData\A2HP13\20121019-14228.b\P1300050.D

Injection Date: 22-Oct-2012 04:34:07

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP13

Lims Batch ID: 62068

Lims Sample ID: 50

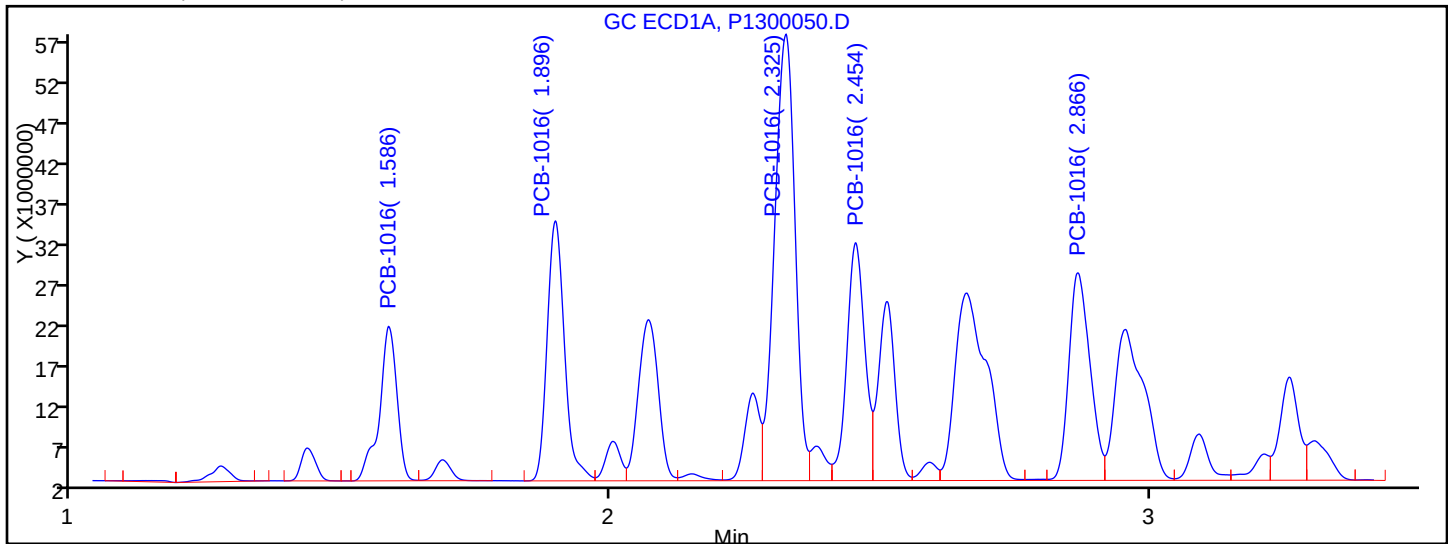
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Injection Vol: 1.0 ul

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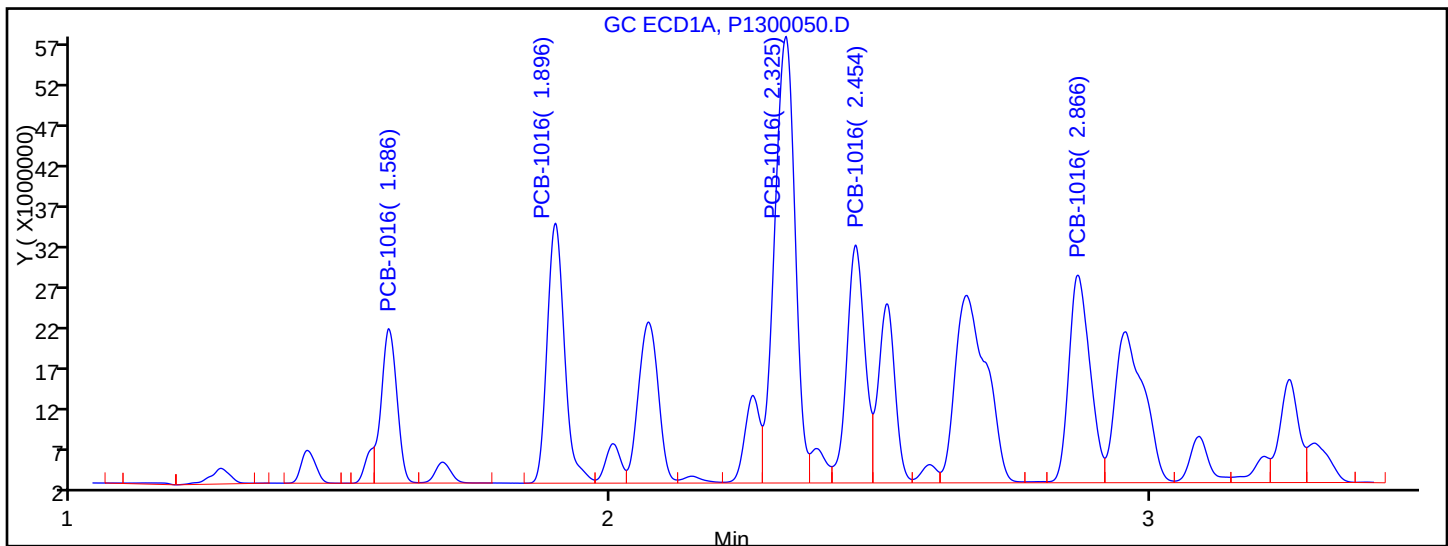
Column Dia:

6 PCB-1016, Detector: 1, GC ECD1A



Processing Integration Results

RT = 1.586	Response = 43047096	M
RT = 1.896	Response = 71723522	
RT = 2.325	Response = 145252214	
RT = 2.454	Response = 68052214	
RT = 2.866	Response = 69850424	



Manual Integration Results

RT = 1.586	Response = 38228313	M
RT = 1.896	Response = 71723522	
RT = 2.325	Response = 145252214	
RT = 2.454	Response = 68052214	
RT = 2.866	Response = 69850424	

Reviewer: hassl, 22-Oct-2012 09:15:31

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17525-1
 SDG No.: _____
 Lab Sample ID: ICV 240-62068/50 Calibration Date: 10/22/2012 04:34
 Instrument ID: A2HP13 Calib Start Date: 10/21/2012 22:51
 GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 10/22/2012 00:05
 Lab File ID: P1300050.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	22473505	23415698		1.04	1.00	4.2	
PCB-1016 Peak 2	Ave	46910344	48518836		1.03	1.00	3.4	
PCB-1016 Peak 3	Ave	90857261	97238509		1.07	1.00	7.0	
PCB-1016 Peak 4	Ave	38716589	40441239		1.04	1.00	4.5	
PCB-1016 Peak 5	Ave	36067525	37216207		1.03	1.00	3.2	
PCB-1260 Peak 1	Ave	66648717	66548848		0.999	1.00	-0.1	
PCB-1260 Peak 2	Lin1		81523657		1.12	1.00	11.8	
PCB-1260 Peak 3	Ave	116834929	112380662		0.962	1.00	-3.8	
PCB-1260 Peak 4	Ave	142290611	177322502		1.25	1.00	24.6	
PCB-1260 Peak 5	Ave	104134113	124132552		1.19	1.00	19.2	

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17525-1
SDG No.: _____
Lab Sample ID: ICV 240-62068/50 Calibration Date: 10/22/2012 04:34
Instrument ID: A2HP13 Calib Start Date: 10/21/2012 22:51
GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 10/22/2012 00:05
Lab File ID: P1300050.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.15	2.10	2.20
PCB-1016 Peak 2	2.57	2.52	2.62
PCB-1016 Peak 3	3.05	3.00	3.10
PCB-1016 Peak 4	3.20	3.15	3.25
PCB-1016 Peak 5	3.86	3.80	3.90
PCB-1260 Peak 1	5.14	5.09	5.19
PCB-1260 Peak 2	5.39	5.34	5.44
PCB-1260 Peak 3	5.78	5.73	5.83
PCB-1260 Peak 4	6.51	6.46	6.56
PCB-1260 Peak 5	6.91	6.86	6.96

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP13\20121019-14228.b\P1300050.D
 Lims ID: ICV 1660 Client ID:
 Inject. Date: 22-Oct-2012 04:34:07 Dil. Factor: 1.0000
 Sample Type: ICV
 Sample ID: 240-0014228-050
 Misc. Info.:
 Operator: Instrument ID: A2HP13
 Injection Vol: 1.0 ul ALS Bottle#: 50
 Lims Batch ID: 62068 Lims Sample ID: 50
 Sublist:
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m
 Last Update: 22-Oct-2012 09:17:22 Calib Date: 22-Oct-2012 03:04:38
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK013

First Level Reviewer: hassl

Date: 22-Oct-2012 09:15:31

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
6 PCB-1016									M
1	100	1.586	1.587	-0.001	38228313	0.9403		100.0	M
1	2	1.896	1.896	0.000	71723522	1.00	149.3- 199.3	187.6	
1	3	2.325	2.323	0.002	145252214	0.9358	350.2- 400.2	380.0	
1	4	2.454	2.453	0.001	68052214	1.06	130.7- 180.7	178.0	
1	5	2.866	2.867	-0.001	69850424	1.03	137.9- 187.9	182.7	
Average of Peak Amounts =						0.99			
2	6	2.147	2.147	0.000	23415698	1.04		100.0	
2	7	2.571	2.571	0.000	48518836	1.03	176.5- 236.5	207.2	
2	8	3.053	3.054	-0.001	97238509	1.07	362.5- 422.5	415.3	
2	9	3.201	3.201	0.000	40441239	1.04	137.9- 197.9	172.7	
2	10	3.855	3.854	0.001	37216207	1.03	118.8- 178.8	158.9	
Average of Peak Amounts =						1.04			
						RPD = 5.18			

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

10 PCB-1260

1	100	4.160	4.160	0.000	101972175	1.01		100.0	
1	2	4.469	4.469	0.000	201607884	1.00	175.1- 225.1	197.7	
1	3	4.768	4.767	0.001	191897453	0.9593	173.2- 223.2	188.2	
1	4	5.519	5.518	0.001	324736998	1.19	244.1- 294.1	318.5	
1	5	5.821	5.820	0.001	145454031	1.13	101.5- 151.5	142.6	

Average of Peak Amounts = 1.06

2	6	5.141	5.141	0.000	66548848	1.00		100.0	
2	7	5.388	5.389	-0.001	81523657	1.12	86.6- 146.6	122.5	
2	8	5.776	5.776	0.000	112380662	0.9619	142.9- 202.9	168.9	
2	9	6.510	6.509	0.001	177322502	1.25	179.5- 239.5	266.5	
2	10	6.911	6.910	0.001	124132552	1.19	121.8- 181.8	186.5	

Average of Peak Amounts = 1.10

RPD = 4.17

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 22-Oct-2012 09:17:31

Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP13\20121019-14228.b\P1300050.D

Injection Date: 22-Oct-2012 04:34:07

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP13

Lims Batch ID: 62068

Lims Sample ID: 50

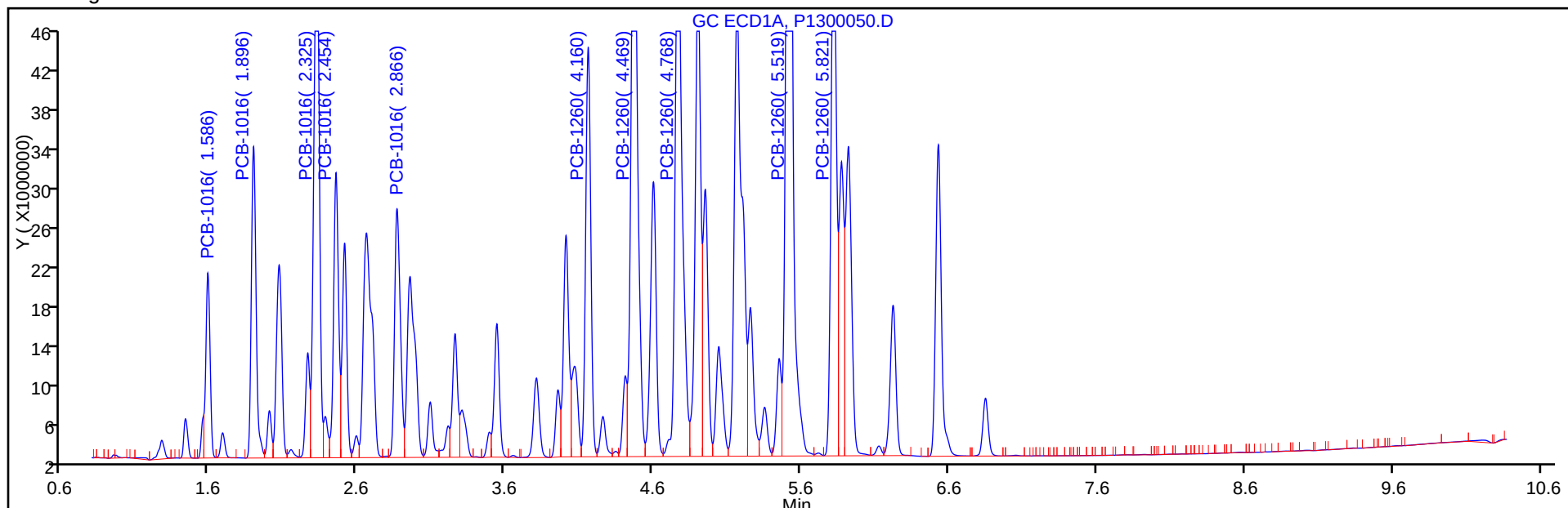
Operator ID:

Injection Vol: 1.0 ul

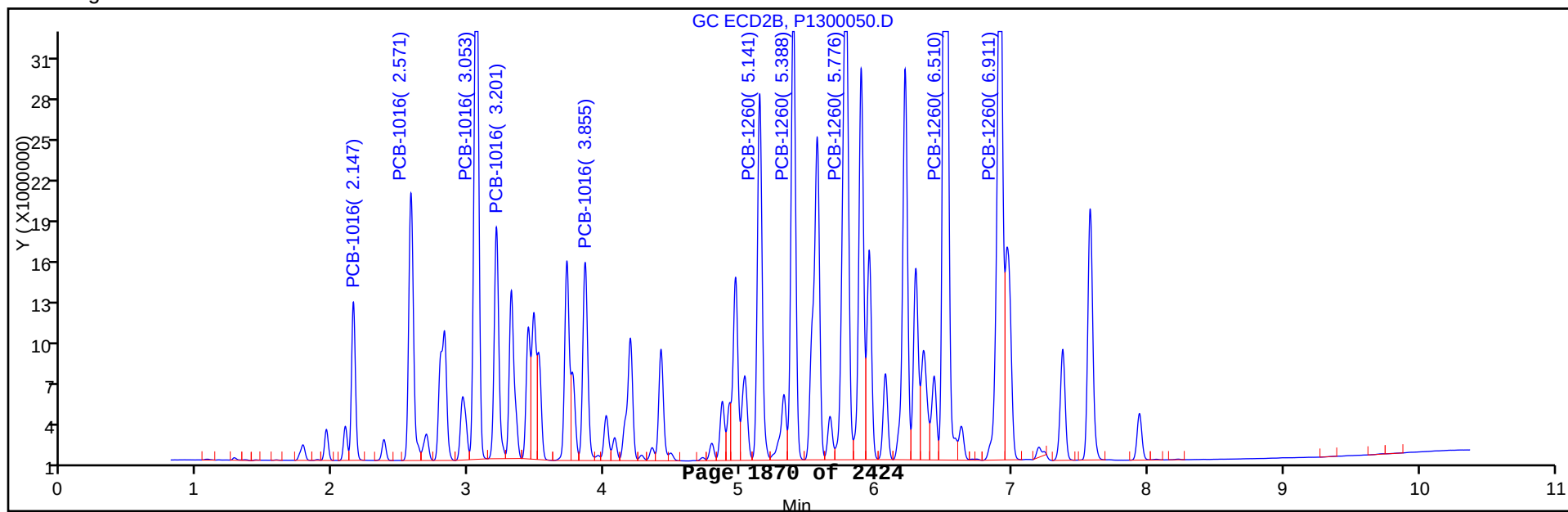
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17525-1
 SDG No.: _____
 Lab Sample ID: CCV 240-66323/4 Calibration Date: 11/27/2012 02:21
 Instrument ID: A2HP13 Calib Start Date: 10/21/2012 22:51
 GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 10/22/2012 00:05
 Lab File ID: P1300004.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	40655544	0.0000		0.00020 0	0.500	-100.0*	20.0
PCB-1016 Peak 2	Ave	71876982	73676222		0.513	0.500	2.5	20.0
PCB-1016 Peak 3	Ave	155218061	162099934		0.522	0.500	4.4	20.0
PCB-1016 Peak 4	Ave	64472512	48667218		0.377	0.500	-24.5*	20.0
PCB-1016 Peak 5	Ave	67849134	73543618		0.542	0.500	8.4	20.0
PCB-1260 Peak 1	Ave	101355640	108613300		0.536	0.500	7.2	20.0
PCB-1260 Peak 2	Ave	200632590	216692238		0.540	0.500	8.0	20.0
PCB-1260 Peak 3	Ave	200043209	217987478		0.545	0.500	9.0	20.0
PCB-1260 Peak 4	Ave	271809958	307951004		0.566	0.500	13.3	20.0
PCB-1260 Peak 5	Ave	129152153	142237280		0.551	0.500	10.1	20.0
Tetrachloro-m-xylene	Ave	2282867563	2368126240		0.0259	0.0250	3.7	20.0
DCB Decachlorobiphenyl	Ave	2334659370	2781972240		0.0298	0.0250	19.2	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17525-1
SDG No.: _____
Lab Sample ID: CCV 240-66323/4 Calibration Date: 11/27/2012 02:21
Instrument ID: A2HP13 Calib Start Date: 10/21/2012 22:51
GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 10/22/2012 00:05
Lab File ID: P1300004.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	0.00	1.50	1.60
PCB-1016 Peak 2	1.90	1.85	1.95
PCB-1016 Peak 3	2.33	2.28	2.38
PCB-1016 Peak 4	2.46	2.41	2.51
PCB-1016 Peak 5	2.87	2.82	2.92
PCB-1260 Peak 1	4.17	4.12	4.22
PCB-1260 Peak 2	4.47	4.42	4.52
PCB-1260 Peak 3	4.77	4.72	4.82
PCB-1260 Peak 4	5.53	5.48	5.58
PCB-1260 Peak 5	5.83	5.78	5.88
Tetrachloro-m-xylene	1.29	1.24	1.34
DCB Decachlorobiphenyl	7.07	7.02	7.12

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP13\20121126-15278.b\P1300004.D
 Lims ID: CCV AR1660 Client ID:
 Inject. Date: 27-Nov-2012 02:21:55 Dil. Factor: 1.0000
 Sample Type: CCVRT
 Sample ID: 240-0015278-004
 Misc. Info.:
 Operator: Instrument ID: A2HP13
 Injection Vol: 1.0 1/cm ALS Bottle#: 4
 Lims Batch ID: 66323 Lims Sample ID: 4
 Sublist: chrom-PCB13*sub10
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCCChrom\ChromData\A2HP13\20121126-15278.b\PCB13.m
 Last Update: 28-Nov-2012 11:21:14 Calib Date: 22-Oct-2012 03:04:38
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK013

First Level Reviewer: bosworthh

Date: 28-Nov-2012 10:52:27

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
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\$ 2 Tetrachloro-m-xylene

1	44	1.292	1.292	0.000	59203156	0.0259			
2	2	1.648	1.648	0.000	41770264	0.0291			

RPD = 11.39

6 PCB-1016

1	100	0.0	1.553	-1.553	0	0		100.0	M
1	2	1.900	1.900	0.000	36838111	0.5125	149.3- 199.3		M
1	3	2.327	2.327	0.000	81049967	0.5222	350.2- 400.2		M
1	4	2.460	2.460	0.000	24333609	0.3774	130.7- 180.7		M
1	5	2.872	2.872	0.000	36771809	0.5420	137.9- 187.9		M
		Average of Peak Amounts =				0.4885			
2	6	2.145	2.145	0.000	12561538	0.5589		100.0	
2	7	2.567	2.567	0.000	24150078	0.5148	176.5- 236.5	192.3	
2	8	3.050	3.050	0.000	51071111	0.5621	362.5- 422.5	406.6	
2	9	3.197	3.197	0.000	20613255	0.5324	137.9- 197.9	164.1	
2	10	3.850	3.850	0.000	20770474	0.5759	118.8- 178.8	165.3	
		Average of Peak Amounts =				0.5488			

RPD = 11.63

Data File: \\NCCchrom\ChromData\A2HP13\20121126-15278.b\P1300004.D

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
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10 PCB-1260

1	100	4.167	4.167	0.000	54306650	0.5358		100.0	
1	2	4.474	4.474	0.000	108346119	0.5400	175.1- 225.1	199.5	
1	3	4.774	4.774	0.000	108993739	0.5449	173.2- 223.2	200.7	
1	4	5.526	5.526	0.000	153975502	0.5665	244.1- 294.1	283.5	
1	5	5.828	5.828	0.000	71118640	0.5507	101.5- 151.5	131.0	

Average of Peak Amounts = 0.5476

2	6	5.136	5.136	0.000	36817630	0.5524		100.0	
2	7	5.382	5.382	0.000	44862035	0.5955	86.6- 146.6	121.8	
2	8	5.771	5.771	0.000	68103500	0.5829	142.9- 202.9	185.0	
2	9	6.503	6.503	0.000	87708850	0.6164	179.5- 239.5	238.2	
2	10	6.906	6.906	0.000	62819715	0.6033	121.8- 181.8	170.6	

Average of Peak Amounts = 0.5901

RPD = 7.48

\$ 12 DCB Decachlorobiphenyl

1	100	7.065	7.065	0.000	69549306	0.0298			
2	2	8.217	8.217	0.000	42120057	0.0313			

RPD = 4.85

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 28-Nov-2012 11:21:14

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

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP13\20121126-15278.b\P1300004.D

Injection Date: 27-Nov-2012 02:21:55

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP13

Lims Batch ID: 66323

Lims Sample ID: 4

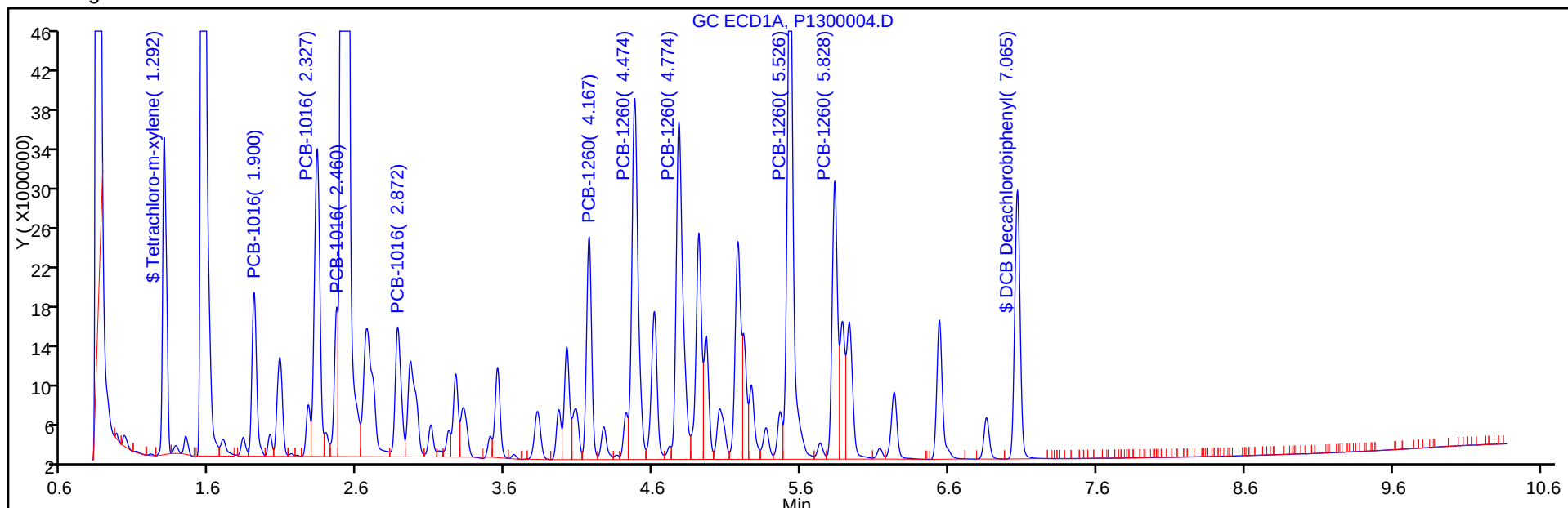
Operator ID:

Injection Vol: 1.0 1/cm

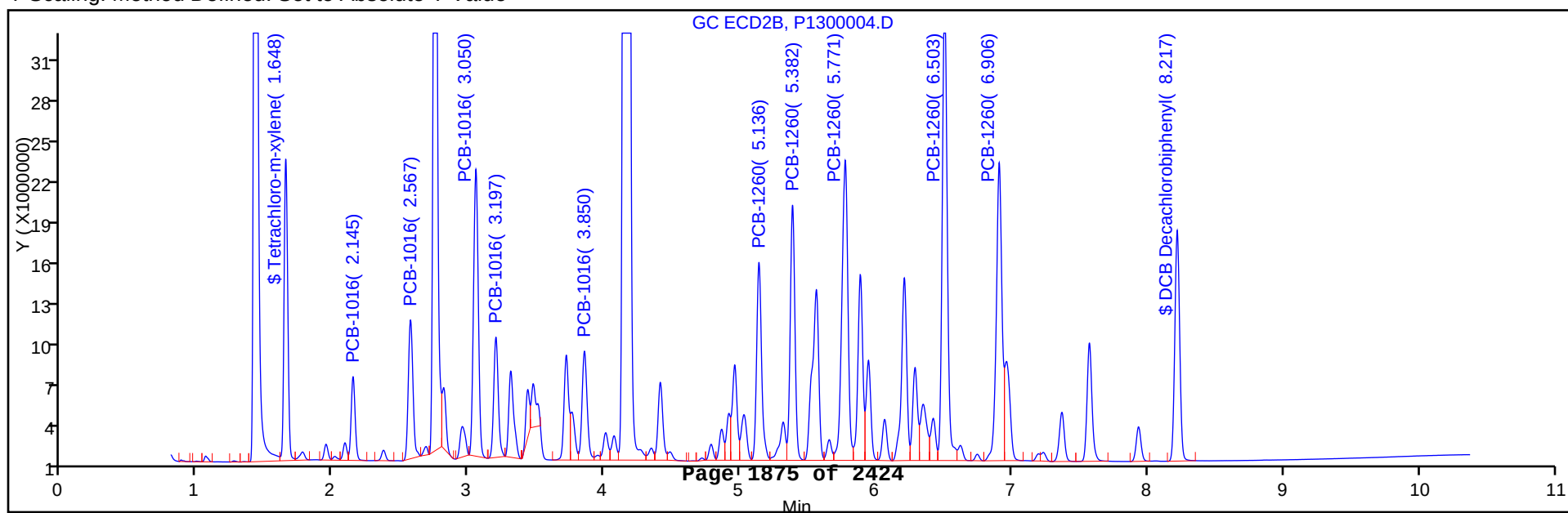
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP13\20121126-15278.b\P1300004.D

Injection Date: 27-Nov-2012 02:21:55

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP13

Lims Batch ID: 66323

Lims Sample ID: 4

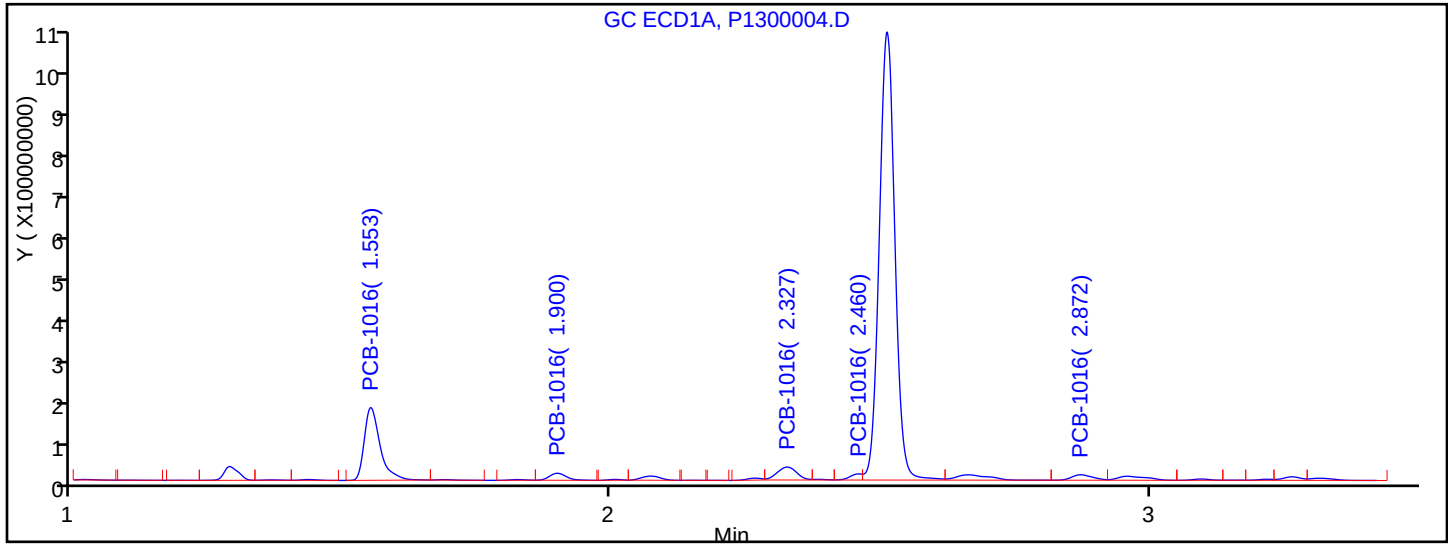
Operator ID:

Injection Vol: 1.0 1/cm

Column Type:

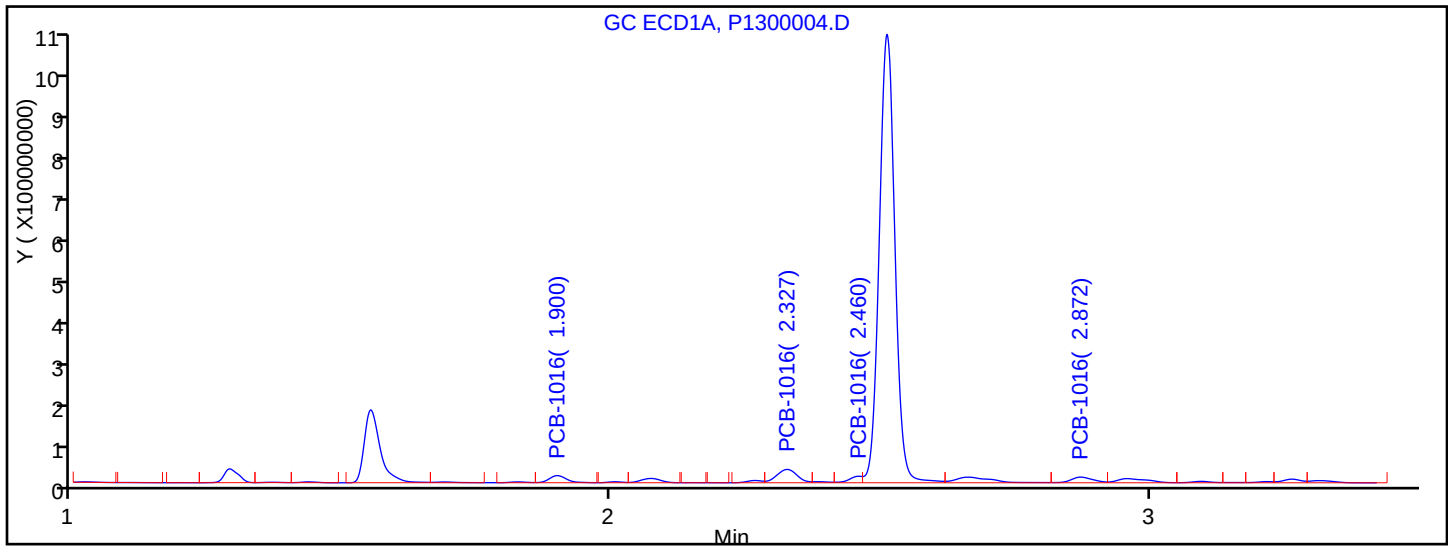
Column Dia:

6 PCB-1016, Detector: 1, GC ECD1A



Processing Integration Results

RT = 1.553	Response = 344814825	
RT = 1.900	Response = 35074369	M
RT = 2.327	Response = 76089435	M
RT = 2.460	Response = 21643307	M
RT = 2.872	Response = 33734587	M



Manual Integration Results

RT = 0.000	Response = 0	
RT = 1.900	Response = 36838111	M
RT = 2.327	Response = 81049967	M
RT = 2.460	Response = 24333609	M
RT = 2.872	Response = 36771809	M

Reviewer: hassl, 27-Nov-2012 09:50:52

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17525-1
 SDG No.: _____
 Lab Sample ID: CCV 240-66323/4 Calibration Date: 11/27/2012 02:21
 Instrument ID: A2HP13 Calib Start Date: 10/21/2012 22:51
 GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 10/22/2012 00:05
 Lab File ID: P1300004.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	22473505	25123076		0.559	0.500	11.8	20.0
PCB-1016 Peak 2	Ave	46910344	48300156		0.515	0.500	3.0	20.0
PCB-1016 Peak 3	Ave	90857261	102142222		0.562	0.500	12.4	20.0
PCB-1016 Peak 4	Ave	38716589	41226510		0.532	0.500	6.5	20.0
PCB-1016 Peak 5	Ave	36067525	41540948		0.576	0.500	15.2	20.0
PCB-1260 Peak 1	Ave	66648717	73635260		0.552	0.500	10.5	20.0
PCB-1260 Peak 2	Lin1		89724070		0.596	0.500	19.1	20.0
PCB-1260 Peak 3	Ave	116834929	136207000		0.583	0.500	16.6	20.0
PCB-1260 Peak 4	Ave	142290611	175417700		0.616	0.500	23.3*	20.0
PCB-1260 Peak 5	Ave	104134113	125639430		0.603	0.500	20.7*	20.0
Tetrachloro-m-xylene	Ave	1437051097	1670810560		0.0291	0.0250	16.3	20.0
DCB Decachlorobiphenyl	Ave	1346914135	1684802280		0.0313	0.0250	25.1*	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17525-1
SDG No.: _____
Lab Sample ID: CCV 240-66323/4 Calibration Date: 11/27/2012 02:21
Instrument ID: A2HP13 Calib Start Date: 10/21/2012 22:51
GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 10/22/2012 00:05
Lab File ID: P1300004.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.15	2.10	2.20
PCB-1016 Peak 2	2.57	2.52	2.62
PCB-1016 Peak 3	3.05	3.00	3.10
PCB-1016 Peak 4	3.20	3.15	3.25
PCB-1016 Peak 5	3.85	3.80	3.90
PCB-1260 Peak 1	5.14	5.09	5.19
PCB-1260 Peak 2	5.38	5.33	5.43
PCB-1260 Peak 3	5.77	5.72	5.82
PCB-1260 Peak 4	6.50	6.45	6.55
PCB-1260 Peak 5	6.91	6.86	6.96
Tetrachloro-m-xylene	1.65	1.60	1.70
DCB Decachlorobiphenyl	8.22	8.17	8.27

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP13\20121126-15278.b\P1300004.D
 Lims ID: CCV AR1660 Client ID:
 Inject. Date: 27-Nov-2012 02:21:55 Dil. Factor: 1.0000
 Sample Type: CCVRT
 Sample ID: 240-0015278-004

Misc. Info.:

Operator: Instrument ID: A2HP13
 Injection Vol: 1.0 1/cm ALS Bottle#: 4
 Lims Batch ID: 66323 Lims Sample ID: 4
 Sublist: chrom-PCB13*sub10
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b

Method: \\NCCChrom\ChromData\A2HP13\20121126-15278.b\PCB13.m
 Last Update: 28-Nov-2012 11:21:14 Calib Date: 22-Oct-2012 03:04:38
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK013

First Level Reviewer: bosworthh

Date: 28-Nov-2012 10:52:27

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
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\$ 2 Tetrachloro-m-xylene

1	44	1.292	1.292	0.000	59203156	0.0259			
2	2	1.648	1.648	0.000	41770264	0.0291			

RPD = 11.39

6 PCB-1016

1	100	0.0	1.553	-1.553	0	0		100.0	M
1	2	1.900	1.900	0.000	36838111	0.5125	149.3- 199.3		M
1	3	2.327	2.327	0.000	81049967	0.5222	350.2- 400.2		M
1	4	2.460	2.460	0.000	24333609	0.3774	130.7- 180.7		M
1	5	2.872	2.872	0.000	36771809	0.5420	137.9- 187.9		M
Average of Peak Amounts =						0.4885			
2	6	2.145	2.145	0.000	12561538	0.5589		100.0	
2	7	2.567	2.567	0.000	24150078	0.5148	176.5- 236.5	192.3	
2	8	3.050	3.050	0.000	51071111	0.5621	362.5- 422.5	406.6	
2	9	3.197	3.197	0.000	20613255	0.5324	137.9- 197.9	164.1	
2	10	3.850	3.850	0.000	20770474	0.5759	118.8- 178.8	165.3	
Average of Peak Amounts =						0.5488			
									RPD = 11.63

Data File: \\NCCchrom\ChromData\A2HP13\20121126-15278.b\P1300004.D

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
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10 PCB-1260

1	100	4.167	4.167	0.000	54306650	0.5358		100.0	
1	2	4.474	4.474	0.000	108346119	0.5400	175.1- 225.1	199.5	
1	3	4.774	4.774	0.000	108993739	0.5449	173.2- 223.2	200.7	
1	4	5.526	5.526	0.000	153975502	0.5665	244.1- 294.1	283.5	
1	5	5.828	5.828	0.000	71118640	0.5507	101.5- 151.5	131.0	

Average of Peak Amounts = 0.5476

2	6	5.136	5.136	0.000	36817630	0.5524		100.0	
2	7	5.382	5.382	0.000	44862035	0.5955	86.6- 146.6	121.8	
2	8	5.771	5.771	0.000	68103500	0.5829	142.9- 202.9	185.0	
2	9	6.503	6.503	0.000	87708850	0.6164	179.5- 239.5	238.2	
2	10	6.906	6.906	0.000	62819715	0.6033	121.8- 181.8	170.6	

Average of Peak Amounts = 0.5901

RPD = 7.48

\$ 12 DCB Decachlorobiphenyl

1	100	7.065	7.065	0.000	69549306	0.0298			
2	2	8.217	8.217	0.000	42120057	0.0313			

RPD = 4.85

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 28-Nov-2012 11:21:15

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

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP13\20121126-15278.b\P1300004.D

Injection Date: 27-Nov-2012 02:21:55

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP13

Lims Batch ID: 66323

Lims Sample ID: 4

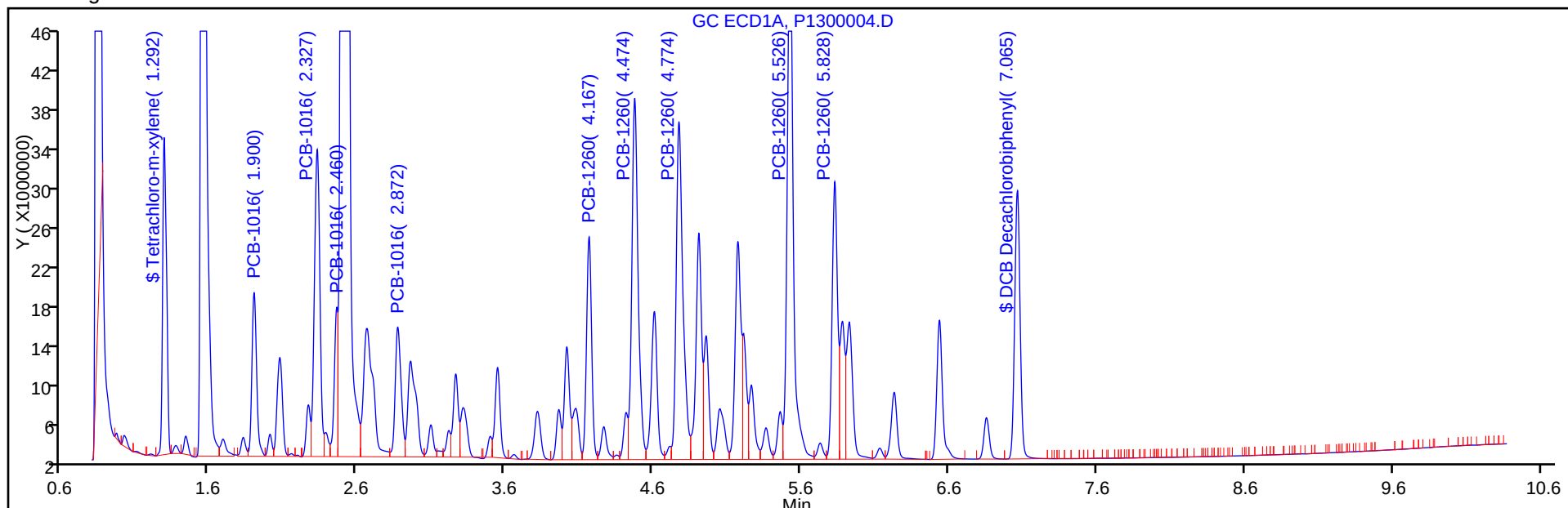
Operator ID:

Injection Vol: 1.0 1/cm

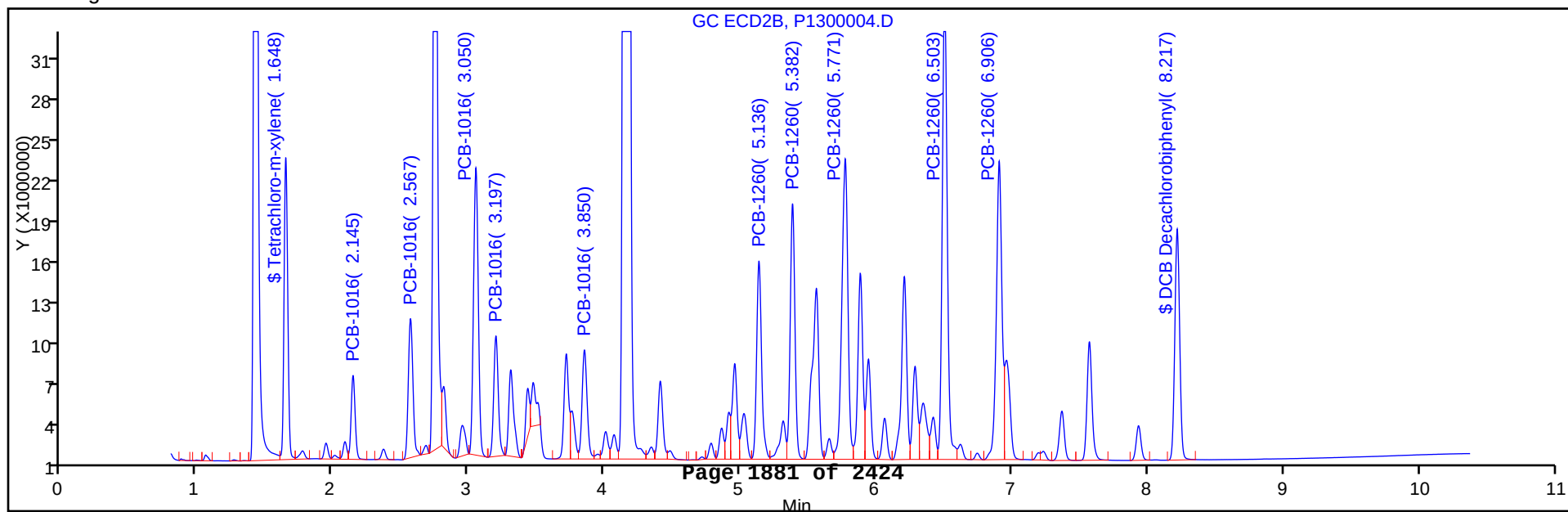
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17525-1
 SDG No.: _____
 Lab Sample ID: CCV 240-66323/19 Calibration Date: 11/27/2012 06:05
 Instrument ID: A2HP13 Calib Start Date: 10/21/2012 22:51
 GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 10/22/2012 00:05
 Lab File ID: P1300019.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	40655544	38770258		0.477	0.500	-4.6	20.0
PCB-1016 Peak 2	Ave	71876982	73537932		0.512	0.500	2.3	20.0
PCB-1016 Peak 3	Ave	155218061	156520942		0.504	0.500	0.8	20.0
PCB-1016 Peak 4	Ave	64472512	66631102		0.517	0.500	3.3	20.0
PCB-1016 Peak 5	Ave	67849134	68138536		0.502	0.500	0.4	20.0
PCB-1260 Peak 1	Ave	101355640	101615798		0.501	0.500	0.3	20.0
PCB-1260 Peak 2	Ave	200632590	203773340		0.508	0.500	1.6	20.0
PCB-1260 Peak 3	Ave	200043209	202854550		0.507	0.500	1.4	20.0
PCB-1260 Peak 4	Ave	271809958	277686590		0.511	0.500	2.2	20.0
PCB-1260 Peak 5	Ave	129152153	128760574		0.498	0.500	-0.3	20.0
Tetrachloro-m-xylene	Ave	2282867563	2304794040		0.0252	0.0250	1.0	20.0
DCB Decachlorobiphenyl	Ave	2334659370	2348688480		0.0252	0.0250	0.6	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17525-1
SDG No.: _____
Lab Sample ID: CCV 240-66323/19 Calibration Date: 11/27/2012 06:05
Instrument ID: A2HP13 Calib Start Date: 10/21/2012 22:51
GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 10/22/2012 00:05
Lab File ID: P1300019.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	1.59	1.54	1.64
PCB-1016 Peak 2	1.90	1.85	1.95
PCB-1016 Peak 3	2.33	2.28	2.38
PCB-1016 Peak 4	2.46	2.41	2.51
PCB-1016 Peak 5	2.87	2.82	2.92
PCB-1260 Peak 1	4.17	4.12	4.22
PCB-1260 Peak 2	4.48	4.43	4.53
PCB-1260 Peak 3	4.78	4.73	4.83
PCB-1260 Peak 4	5.53	5.48	5.58
PCB-1260 Peak 5	5.83	5.78	5.88
Tetrachloro-m-xylene	1.29	1.24	1.34
DCB Decachlorobiphenyl	7.07	7.02	7.12

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP13\20121126-15278.b\P1300019.D
 Lims ID: CCV AR1660 Client ID:
 Inject. Date: 27-Nov-2012 06:05:53 Dil. Factor: 1.0000
 Sample Type: CCV
 Sample ID: 240-0015278-019
 Misc. Info.:
 Operator: Instrument ID: A2HP13
 Injection Vol: 1.0 1/cm ALS Bottle#: 19
 Lims Batch ID: 66323 Lims Sample ID: 19
 Sublist: chrom-PCB13*sub10
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCCChrom\ChromData\A2HP13\20121126-15278.b\PCB13.m
 Last Update: 27-Nov-2012 09:54:27 Calib Date: 22-Oct-2012 03:04:38
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK003

First Level Reviewer: hassl

Date: 27-Nov-2012 09:44:24

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
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\$ 2 Tetrachloro-m-xylene

1	44	1.293	1.293	0.000	57619851	0.0252			
2	2	1.648	1.648	0.000	38284326	0.0266			

RPD = 5.40

6 PCB-1016

1	100	1.593	1.593	0.000	19385129	0.4768		100.0	M
1	2	1.902	1.902	0.000	36768966	0.5116	149.3- 199.3	189.7	M
1	3	2.329	2.329	0.000	78260471	0.5042	350.2- 400.2	403.7	M
1	4	2.460	2.460	0.000	33315551	0.5167	130.7- 180.7	171.9	M
1	5	2.873	2.873	0.000	34069268	0.5021	137.9- 187.9	175.7	M
		Average of Peak Amounts =				0.5023			
2	6	2.144	2.144	0.000	11911590	0.5300		100.0	
2	7	2.567	2.567	0.000	24106430	0.5139	176.5- 236.5	202.4	
2	8	3.049	3.049	0.000	51115229	0.5626	362.5- 422.5	429.1	
2	9	3.198	3.198	0.000	21217678	0.5480	137.9- 197.9	178.1	
2	10	3.849	3.849	0.000	19335221	0.5361	118.8- 178.8	162.3	
		Average of Peak Amounts =				0.5381			

RPD = 6.89

Data File: \\NCCChrom\ChromData\A2HP13\20121126-15278.b\P1300019.D

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									M
1	100	4.168	4.168	0.000	50807899	0.5013		100.0	M
1	2	4.478	4.478	0.000	101886670	0.5078	175.1- 225.1	200.5	M
1	3	4.777	4.777	0.000	101427275	0.5070	173.2- 223.2	199.6	M
1	4	5.528	5.528	0.000	138843295	0.5108	244.1- 294.1	273.3	M
1	5	5.830	5.830	0.000	64380287	0.4985	101.5- 151.5	126.7	M
Average of Peak Amounts =						0.5051			
2	6	5.135	5.135	0.000	34905265	0.5237		100.0	
2	7	5.383	5.383	0.000	43795939	0.5803	86.6- 146.6	125.5	
2	8	5.771	5.771	0.000	63820849	0.5462	142.9- 202.9	182.8	
2	9	6.503	6.503	0.000	80509888	0.5658	179.5- 239.5	230.7	
2	10	6.905	6.905	0.000	57642337	0.5535	121.8- 181.8	165.1	
Average of Peak Amounts =						0.5539			
						RPD = 9.22			
\$ 12 DCB Decachlorobiphenyl									
1	100	7.065	7.065	0.000	58717212	0.0252			
2	2	8.218	8.218	0.000	36993475	0.0275			
						RPD = 8.80			

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 27-Nov-2012 09:54:27

Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP13\20121126-15278.b\P1300019.D

Injection Date: 27-Nov-2012 06:05:53

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP13

Lims Batch ID: 66323

Lims Sample ID: 19

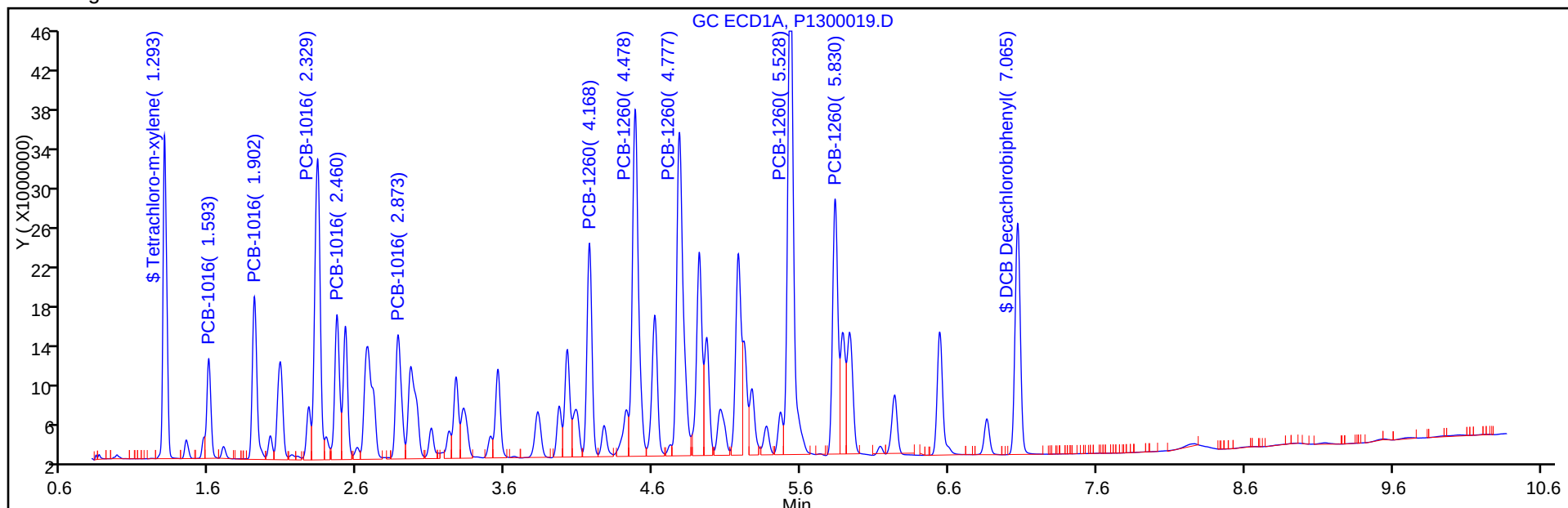
Operator ID:

Injection Vol: 1.0 1/cm

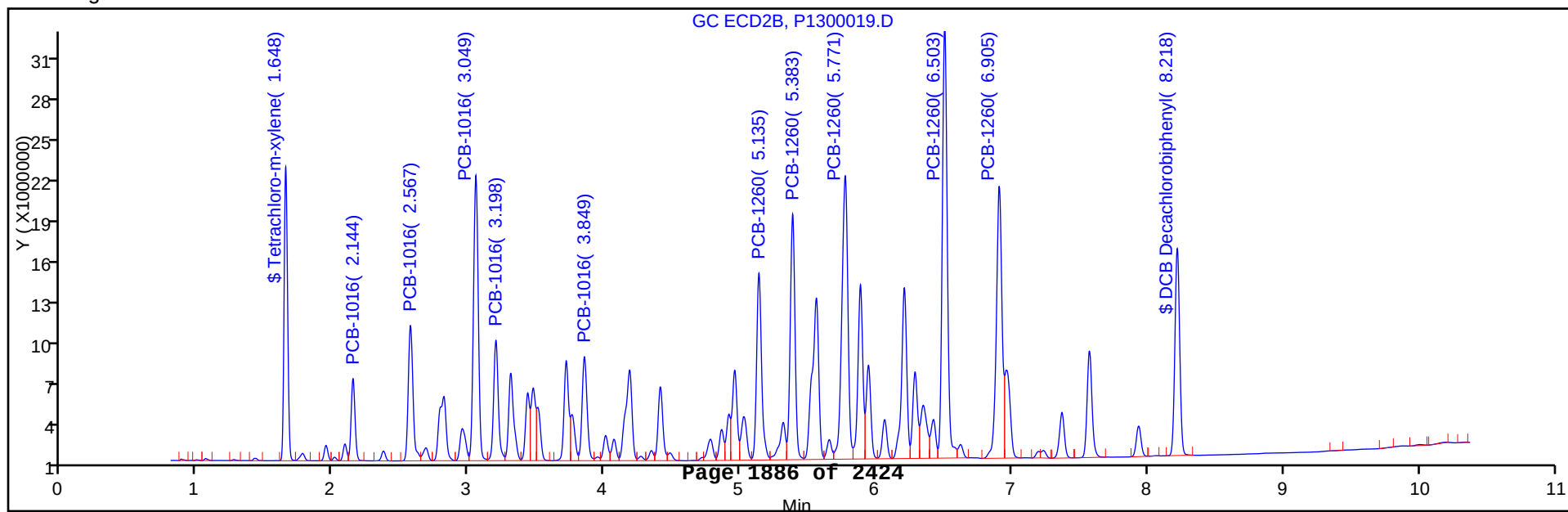
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton

Data File: \\NCCrom\ChromData\A2HP13\20121126-15278.b\P1300019.D

Injection Date: 27-Nov-2012 06:05:53

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP13

Lims Batch ID: 66323

Lims Sample ID: 19

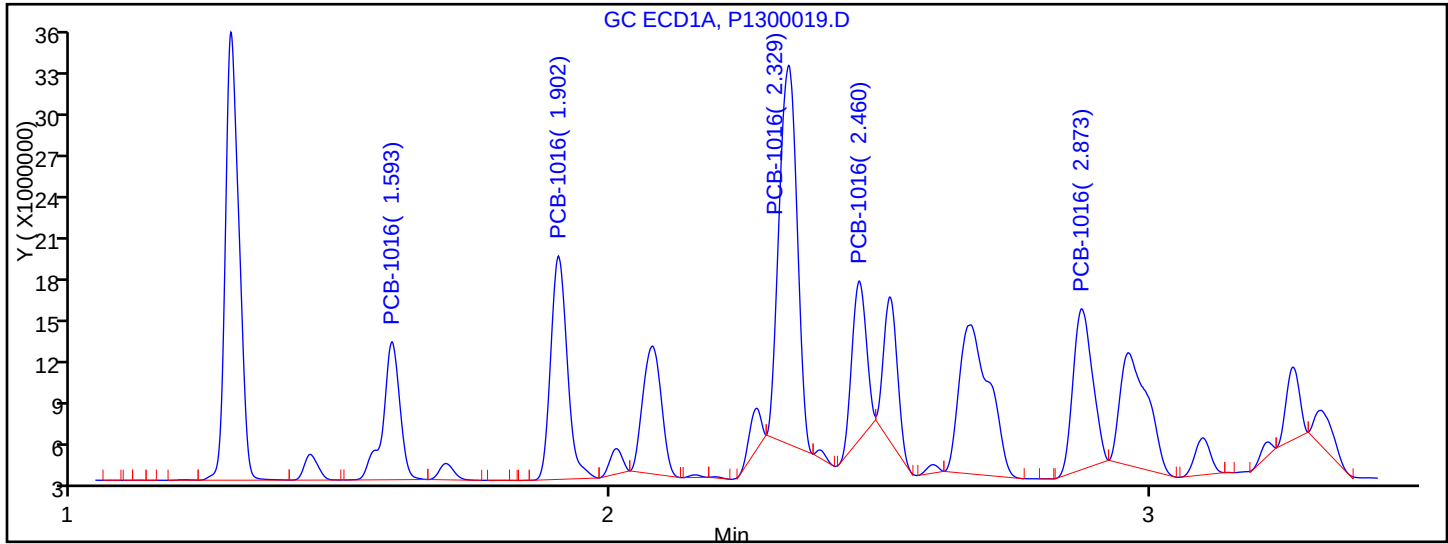
Operator ID:

Injection Vol: 1.0 1/cm

Column Type:

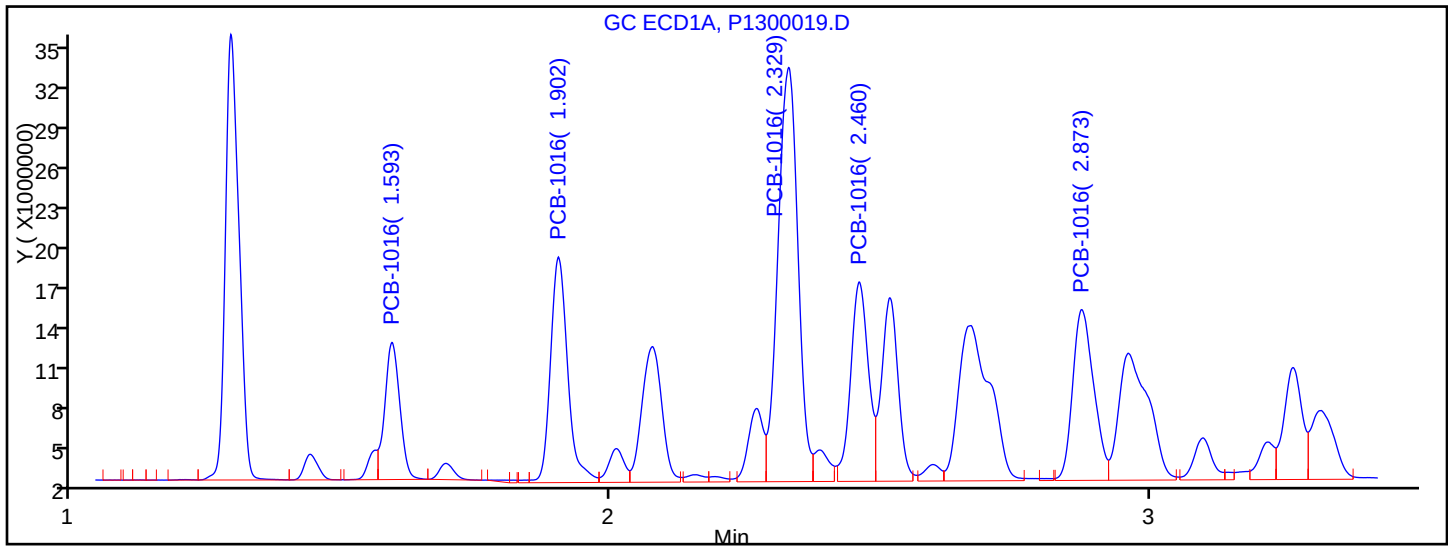
Column Dia:

6 PCB-1016, Detector: 1, GC ECD1A



Processing Integration Results

RT = 1.593	Response = 22072102	M
RT = 1.902	Response = 34743119	M
RT = 2.329	Response = 64171770	M
RT = 2.460	Response = 21454211	M
RT = 2.873	Response = 29299150	M



Manual Integration Results

RT = 1.593	Response = 19385129	M
RT = 1.902	Response = 36768966	M
RT = 2.329	Response = 78260471	M
RT = 2.460	Response = 33315551	M
RT = 2.873	Response = 34069268	M

Reviewer: hassl, 27-Nov-2012 09:44:24

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP13\20121126-15278.b\P1300019.D

Injection Date: 27-Nov-2012 06:05:53

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP13

Lims Batch ID: 66323

Lims Sample ID: 19

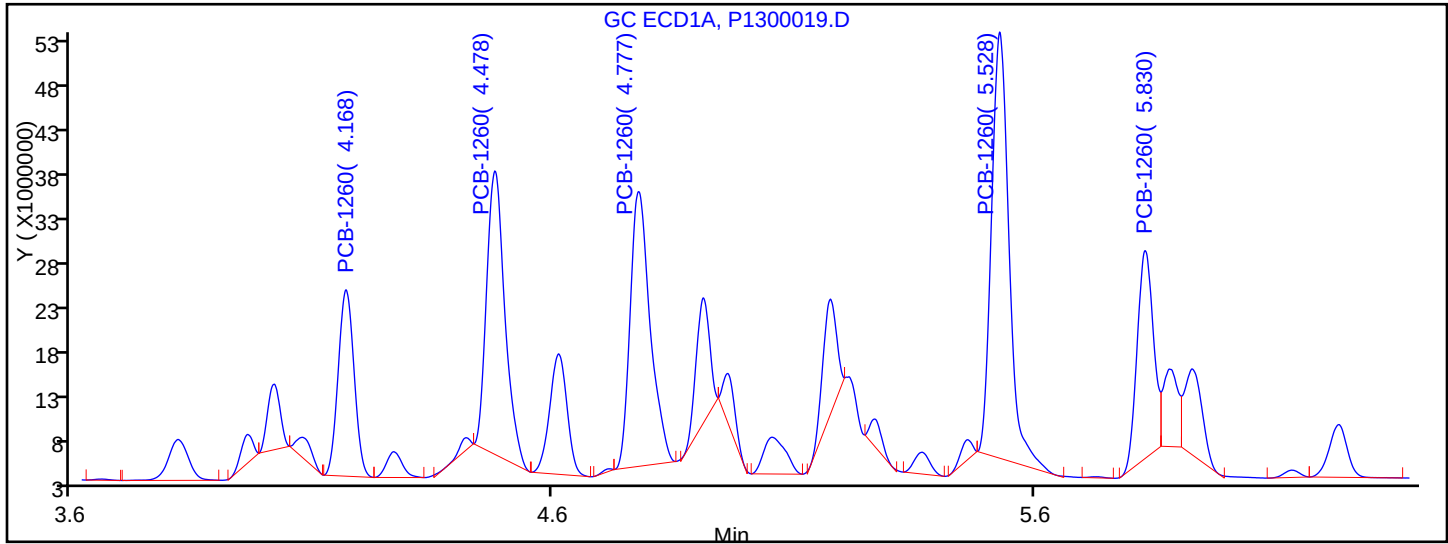
Operator ID:

Injection Vol: 1.0 1/cm

Column Type:

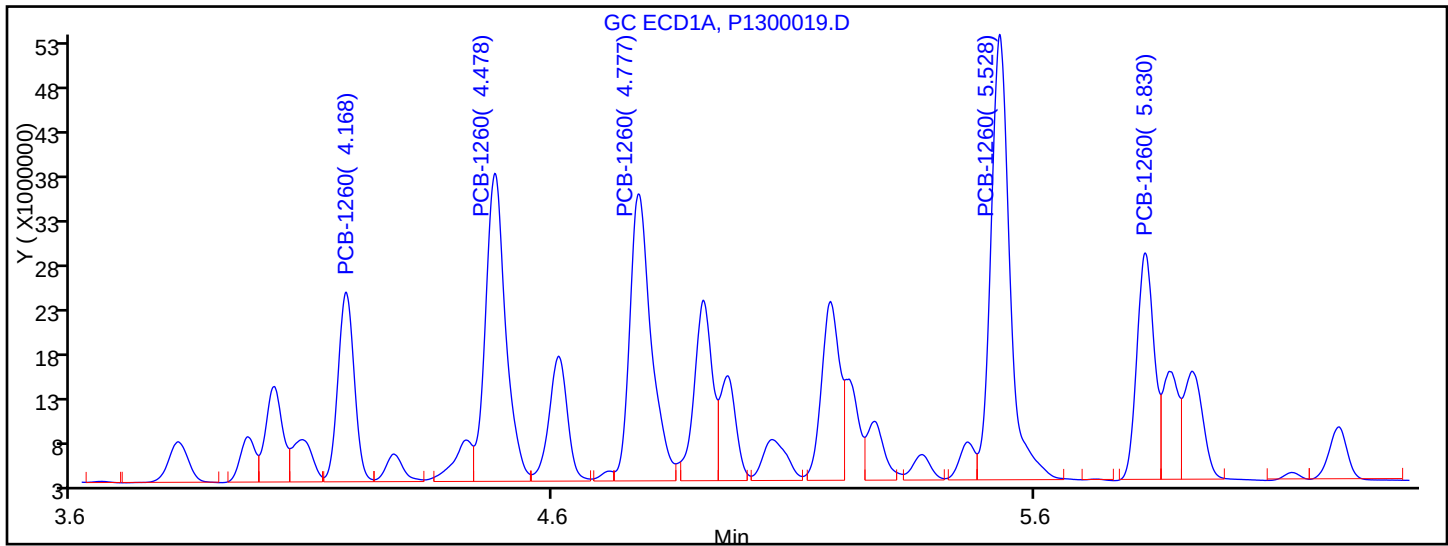
Column Dia:

10 PCB-1260, Detector: 1, GC ECD1A



Processing Integration Results

RT = 4.168	Response = 48588136	M
RT = 4.478	Response = 85001233	M
RT = 4.777	Response = 90087724	M
RT = 5.528	Response = 123025615	M
RT = 5.830	Response = 55695071	M



Manual Integration Results

RT = 4.168	Response = 50807899	M
RT = 4.478	Response = 101886670	M
RT = 4.777	Response = 101427275	M
RT = 5.528	Response = 138843295	M
RT = 5.830	Response = 64380287	M

Reviewer: hassl, 27-Nov-2012 09:44:24

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17525-1

SDG No.: _____

Lab Sample ID: CCV 240-66323/19 Calibration Date: 11/27/2012 06:05

Instrument ID: A2HP13 Calib Start Date: 10/21/2012 22:51

GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 10/22/2012 00:05

Lab File ID: P1300019.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	22473505	23823180		0.530	0.500	6.0	20.0
PCB-1016 Peak 2	Ave	46910344	48212860		0.514	0.500	2.8	20.0
PCB-1016 Peak 3	Ave	90857261	102230458		0.563	0.500	12.5	20.0
PCB-1016 Peak 4	Ave	38716589	42435356		0.548	0.500	9.6	20.0
PCB-1016 Peak 5	Ave	36067525	38670442		0.536	0.500	7.2	20.0
PCB-1260 Peak 1	Ave	66648717	69810530		0.524	0.500	4.7	20.0
PCB-1260 Peak 2	Lin1		87591878		0.580	0.500	16.1	20.0
PCB-1260 Peak 3	Ave	116834929	127641698		0.546	0.500	9.2	20.0
PCB-1260 Peak 4	Ave	142290611	161019776		0.566	0.500	13.2	20.0
PCB-1260 Peak 5	Ave	104134113	115284674		0.554	0.500	10.7	20.0
Tetrachloro-m-xylene	Ave	1437051097	1531373040		0.0266	0.0250	6.6	20.0
DCB Decachlorobiphenyl	Ave	1346914135	1479739000		0.0275	0.0250	9.9	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17525-1
SDG No.: _____
Lab Sample ID: CCV 240-66323/19 Calibration Date: 11/27/2012 06:05
Instrument ID: A2HP13 Calib Start Date: 10/21/2012 22:51
GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 10/22/2012 00:05
Lab File ID: P1300019.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.14	2.09	2.19
PCB-1016 Peak 2	2.57	2.52	2.62
PCB-1016 Peak 3	3.05	3.00	3.10
PCB-1016 Peak 4	3.20	3.15	3.25
PCB-1016 Peak 5	3.85	3.80	3.90
PCB-1260 Peak 1	5.14	5.09	5.19
PCB-1260 Peak 2	5.38	5.33	5.43
PCB-1260 Peak 3	5.77	5.72	5.82
PCB-1260 Peak 4	6.50	6.45	6.55
PCB-1260 Peak 5	6.91	6.86	6.96
Tetrachloro-m-xylene	1.65	1.60	1.70
DCB Decachlorobiphenyl	8.22	8.17	8.27

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP13\20121126-15278.b\P1300019.D
 Lims ID: CCV AR1660 Client ID:
 Inject. Date: 27-Nov-2012 06:05:53 Dil. Factor: 1.0000
 Sample Type: CCV
 Sample ID: 240-0015278-019
 Misc. Info.:
 Operator: Instrument ID: A2HP13
 Injection Vol: 1.0 1/cm ALS Bottle#: 19
 Lims Batch ID: 66323 Lims Sample ID: 19
 Sublist: chrom-PCB13*sub10
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCCChrom\ChromData\A2HP13\20121126-15278.b\PCB13.m
 Last Update: 27-Nov-2012 09:54:27 Calib Date: 22-Oct-2012 03:04:38
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK003

First Level Reviewer: hassl

Date: 27-Nov-2012 09:44:24

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
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\$ 2 Tetrachloro-m-xylene

1	44	1.293	1.293	0.000	57619851	0.0252			
2	2	1.648	1.648	0.000	38284326	0.0266			

RPD = 5.40

6 PCB-1016

1	100	1.593	1.593	0.000	19385129	0.4768		100.0	M
1	2	1.902	1.902	0.000	36768966	0.5116	149.3- 199.3	189.7	M
1	3	2.329	2.329	0.000	78260471	0.5042	350.2- 400.2	403.7	M
1	4	2.460	2.460	0.000	33315551	0.5167	130.7- 180.7	171.9	M
1	5	2.873	2.873	0.000	34069268	0.5021	137.9- 187.9	175.7	M
		Average of Peak Amounts =				0.5023			
2	6	2.144	2.144	0.000	11911590	0.5300		100.0	
2	7	2.567	2.567	0.000	24106430	0.5139	176.5- 236.5	202.4	
2	8	3.049	3.049	0.000	51115229	0.5626	362.5- 422.5	429.1	
2	9	3.198	3.198	0.000	21217678	0.5480	137.9- 197.9	178.1	
2	10	3.849	3.849	0.000	19335221	0.5361	118.8- 178.8	162.3	
		Average of Peak Amounts =				0.5381			

RPD = 6.89

Data File: \\NCCchrom\ChromData\A2HP13\20121126-15278.b\P1300019.D

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									M
1	100	4.168	4.168	0.000	50807899	0.5013		100.0	M
1	2	4.478	4.478	0.000	101886670	0.5078	175.1- 225.1	200.5	M
1	3	4.777	4.777	0.000	101427275	0.5070	173.2- 223.2	199.6	M
1	4	5.528	5.528	0.000	138843295	0.5108	244.1- 294.1	273.3	M
1	5	5.830	5.830	0.000	64380287	0.4985	101.5- 151.5	126.7	M
Average of Peak Amounts =						0.5051			
2	6	5.135	5.135	0.000	34905265	0.5237		100.0	
2	7	5.383	5.383	0.000	43795939	0.5803	86.6- 146.6	125.5	
2	8	5.771	5.771	0.000	63820849	0.5462	142.9- 202.9	182.8	
2	9	6.503	6.503	0.000	80509888	0.5658	179.5- 239.5	230.7	
2	10	6.905	6.905	0.000	57642337	0.5535	121.8- 181.8	165.1	
Average of Peak Amounts =						0.5539			
						RPD = 9.22			
\$ 12 DCB Decachlorobiphenyl									
1	100	7.065	7.065	0.000	58717212	0.0252			
2	2	8.218	8.218	0.000	36993475	0.0275			
						RPD = 8.80			

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 27-Nov-2012 09:54:28

Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP13\20121126-15278.b\P1300019.D

Injection Date: 27-Nov-2012 06:05:53

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP13

Lims Batch ID: 66323

Lims Sample ID: 19

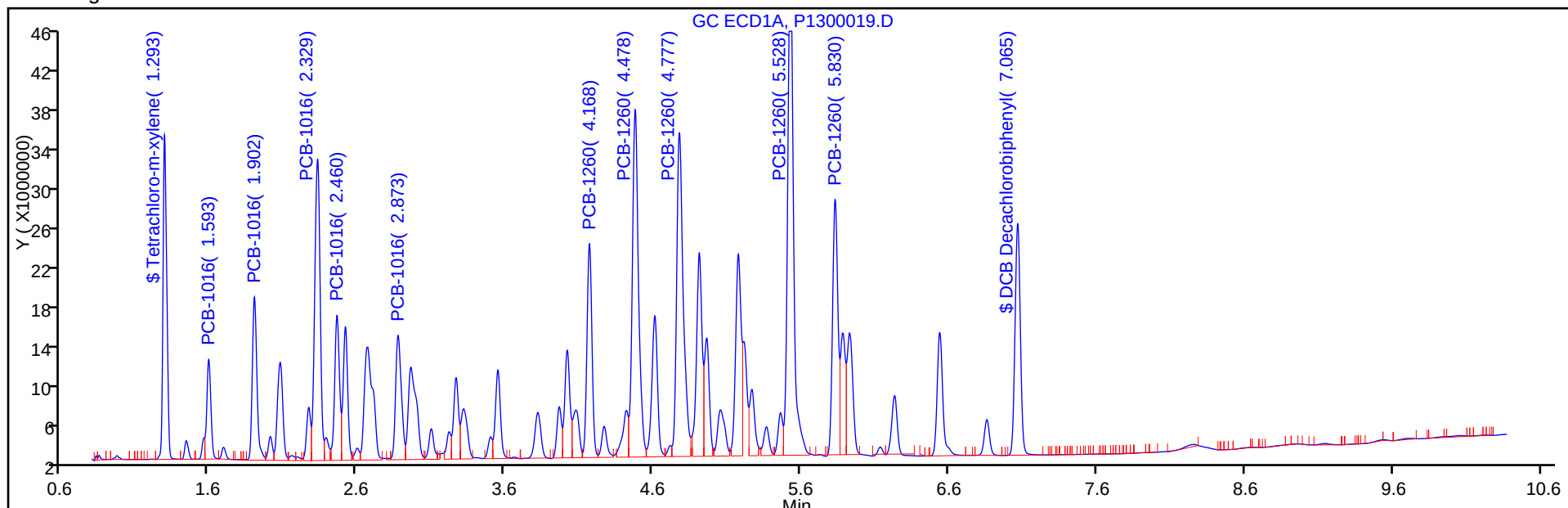
Operator ID:

Injection Vol: 1.0 1/cm

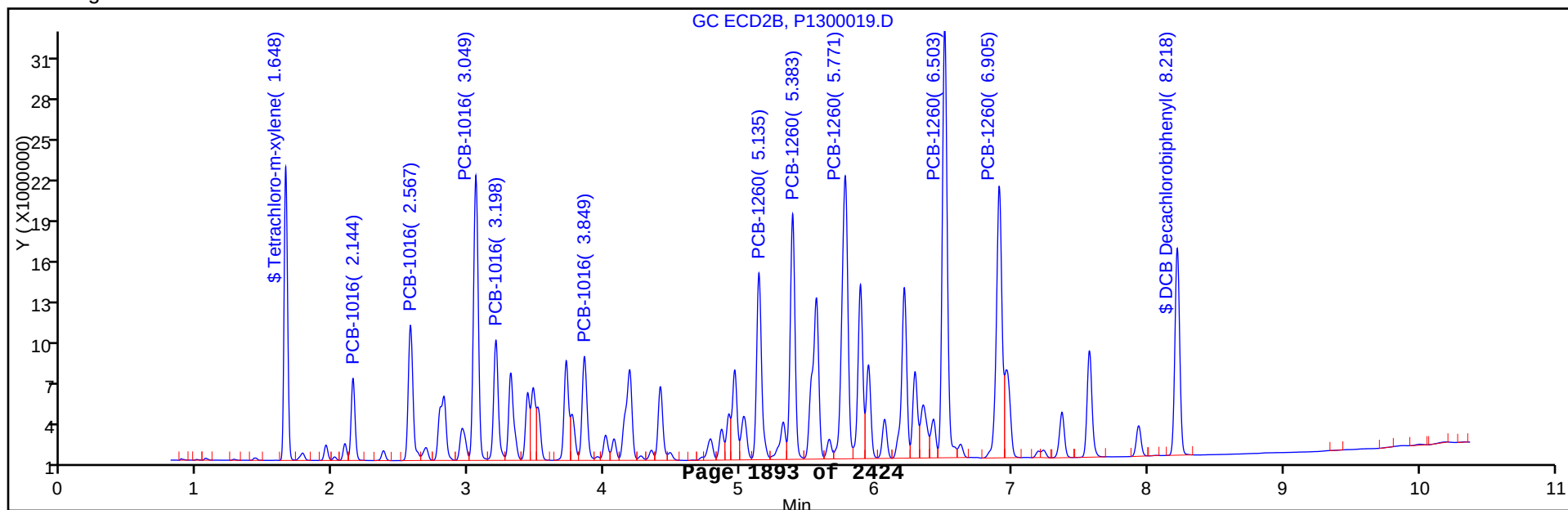
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17525-1
 SDG No.: _____
 Lab Sample ID: CCV 240-66323/30 Calibration Date: 11/27/2012 08:49
 Instrument ID: A2HP13 Calib Start Date: 10/21/2012 22:51
 GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 10/22/2012 00:05
 Lab File ID: P1300030.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	40655544	41028572		0.505	0.500	0.9	20.0
PCB-1016 Peak 2	Ave	71876982	71152546		0.495	0.500	-1.0	20.0
PCB-1016 Peak 3	Ave	155218061	156759202		0.505	0.500	1.0	20.0
PCB-1016 Peak 4	Ave	64472512	65263000		0.506	0.500	1.2	20.0
PCB-1016 Peak 5	Ave	67849134	66088696		0.487	0.500	-2.6	20.0
PCB-1260 Peak 1	Ave	101355640	98259700		0.485	0.500	-3.1	20.0
PCB-1260 Peak 2	Ave	200632590	200287174		0.499	0.500	-0.2	20.0
PCB-1260 Peak 3	Ave	200043209	199577944		0.499	0.500	-0.2	20.0
PCB-1260 Peak 4	Ave	271809958	278118998		0.512	0.500	2.3	20.0
PCB-1260 Peak 5	Ave	129152153	129731252		0.502	0.500	0.4	20.0
Tetrachloro-m-xylene	Ave	2282867563	2348172680		0.0257	0.0250	2.9	20.0
DCB Decachlorobiphenyl	Ave	2334659370	2403909200		0.0257	0.0250	3.0	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17525-1
SDG No.: _____
Lab Sample ID: CCV 240-66323/30 Calibration Date: 11/27/2012 08:49
Instrument ID: A2HP13 Calib Start Date: 10/21/2012 22:51
GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 10/22/2012 00:05
Lab File ID: P1300030.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	1.59	1.54	1.64
PCB-1016 Peak 2	1.90	1.85	1.95
PCB-1016 Peak 3	2.33	2.28	2.38
PCB-1016 Peak 4	2.46	2.41	2.51
PCB-1016 Peak 5	2.88	2.83	2.93
PCB-1260 Peak 1	4.17	4.12	4.22
PCB-1260 Peak 2	4.48	4.43	4.53
PCB-1260 Peak 3	4.78	4.73	4.83
PCB-1260 Peak 4	5.53	5.48	5.58
PCB-1260 Peak 5	5.83	5.78	5.88
Tetrachloro-m-xylene	1.29	1.24	1.34
DCB Decachlorobiphenyl	7.07	7.02	7.12

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP13\20121126-15278.b\P1300030.D
 Lims ID: CCV AR1660 Client ID:
 Inject. Date: 27-Nov-2012 08:49:54 Dil. Factor: 1.0000
 Sample Type: CCV
 Sample ID: 240-0015278-030

Misc. Info.:
 Operator: Instrument ID: A2HP13
 Injection Vol: 1.0 1/cm ALS Bottle#: 30
 Lims Batch ID: 66323 Lims Sample ID: 30
 Sublist: chrom-PCB13*sub10
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b

Method: \\NCCChrom\ChromData\A2HP13\20121126-15278.b\PCB13.m
 Last Update: 27-Nov-2012 09:54:40 Calib Date: 22-Oct-2012 03:04:38
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK003

First Level Reviewer: hassl

Date: 27-Nov-2012 09:53:48

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
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\$ 2 Tetrachloro-m-xylene

1	44	1.294	1.294	0.000	58704317	0.0257			
2	2	1.648	1.648	0.000	38461370	0.0268			

RPD = 4.00

6 PCB-1016

1	100	1.593	1.593	0.000	20514286	0.5046		100.0	M
1	2	1.903	1.903	0.000	35576273	0.4950	149.3- 199.3	173.4	
1	3	2.329	2.329	0.000	78379601	0.5050	350.2- 400.2	382.1	
1	4	2.461	2.461	0.000	32631500	0.5061	130.7- 180.7	159.1	
1	5	2.876	2.876	0.000	33044348	0.4870	137.9- 187.9	161.1	
		Average of Peak Amounts =				0.4995			
2	6	2.144	2.144	0.000	12040913	0.5358		100.0	
2	7	2.568	2.568	0.000	24225247	0.5164	176.5- 236.5	201.2	
2	8	3.050	3.050	0.000	50009716	0.5504	362.5- 422.5	415.3	
2	9	3.199	3.199	0.000	20103994	0.5193	137.9- 197.9	167.0	
2	10	3.850	3.850	0.000	19437240	0.5389	118.8- 178.8	161.4	
		Average of Peak Amounts =				0.5322			

RPD = 6.32

Data File: \\NCCChrom\ChromData\A2HP13\20121126-15278.b\P1300030.D

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
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10 PCB-1260

1	100	4.170	4.170	0.000	49129850	0.4847		100.0	
1	2	4.479	4.479	0.000	100143587	0.4991	175.1- 225.1	203.8	
1	3	4.778	4.778	0.000	99788972	0.4988	173.2- 223.2	203.1	
1	4	5.529	5.529	0.000	139059499	0.5116	244.1- 294.1	283.0	
1	5	5.832	5.832	0.000	64865626	0.5022	101.5- 151.5	132.0	

Average of Peak Amounts = 0.4993

2	6	5.136	5.136	0.000	35200789	0.5282		100.0	
2	7	5.384	5.384	0.000	43720582	0.5793	86.6- 146.6	124.2	
2	8	5.771	5.771	0.000	64665536	0.5535	142.9- 202.9	183.7	
2	9	6.505	6.505	0.000	82166254	0.5775	179.5- 239.5	233.4	
2	10	6.907	6.907	0.000	58619358	0.5629	121.8- 181.8	166.5	

Average of Peak Amounts = 0.5603

RPD = 11.50

\$ 12 DCB Decachlorobiphenyl

1	100	7.067	7.067	0.000	60097730	0.0257			
2	2	8.219	8.219	0.000	37731781	0.0280			

RPD = 8.45

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 27-Nov-2012 09:54:40

Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP13\20121126-15278.b\P1300030.D

Injection Date: 27-Nov-2012 08:49:54

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP13

Lims Batch ID: 66323

Lims Sample ID: 30

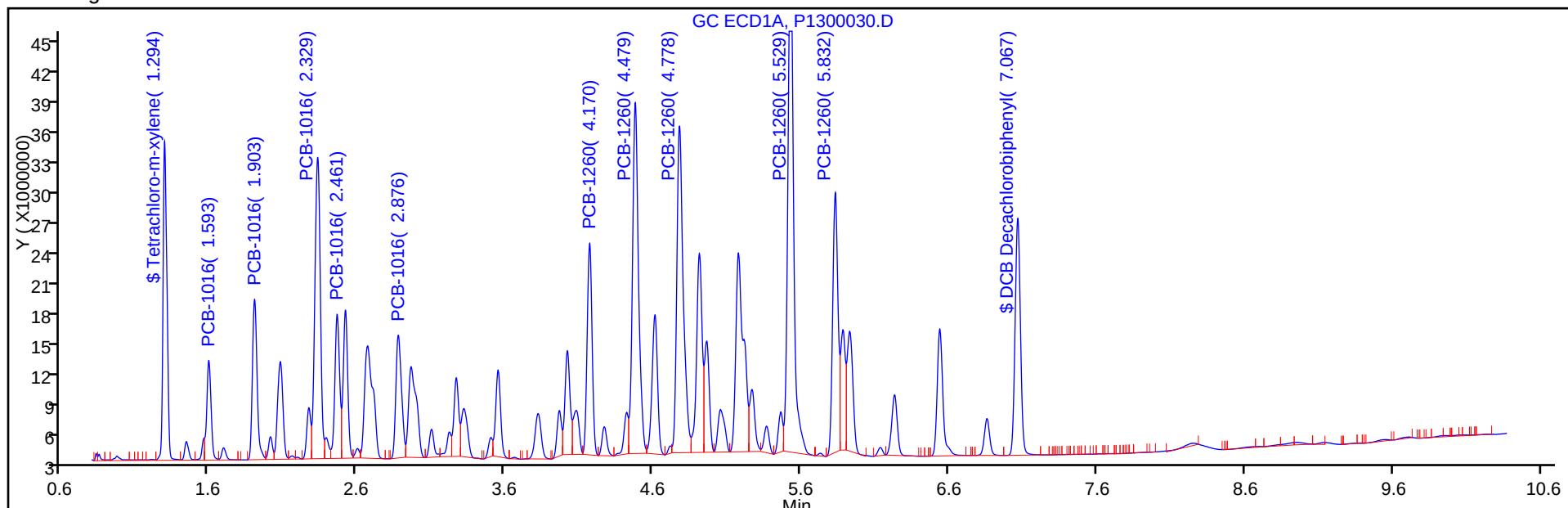
Operator ID:

Injection Vol: 1.0 1/cm

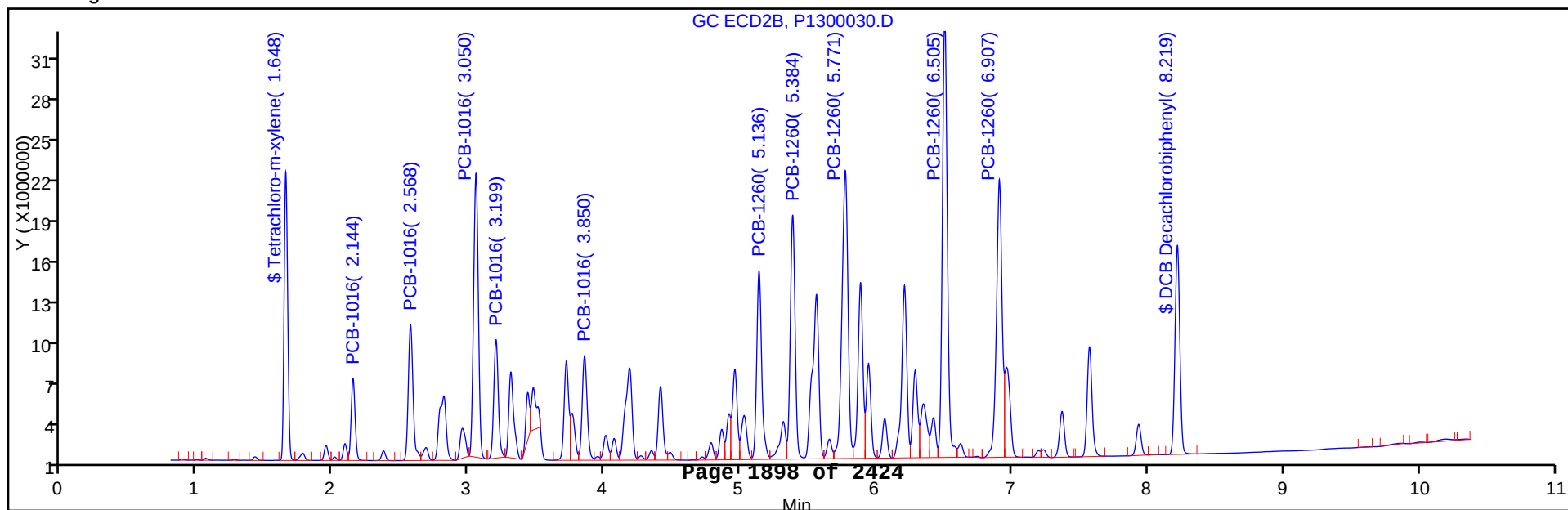
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton

Data File: \\NCCrom\ChromData\A2HP13\20121126-15278.b\P1300030.D

Injection Date: 27-Nov-2012 08:49:54

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP13

Lims Batch ID: 66323

Lims Sample ID: 30

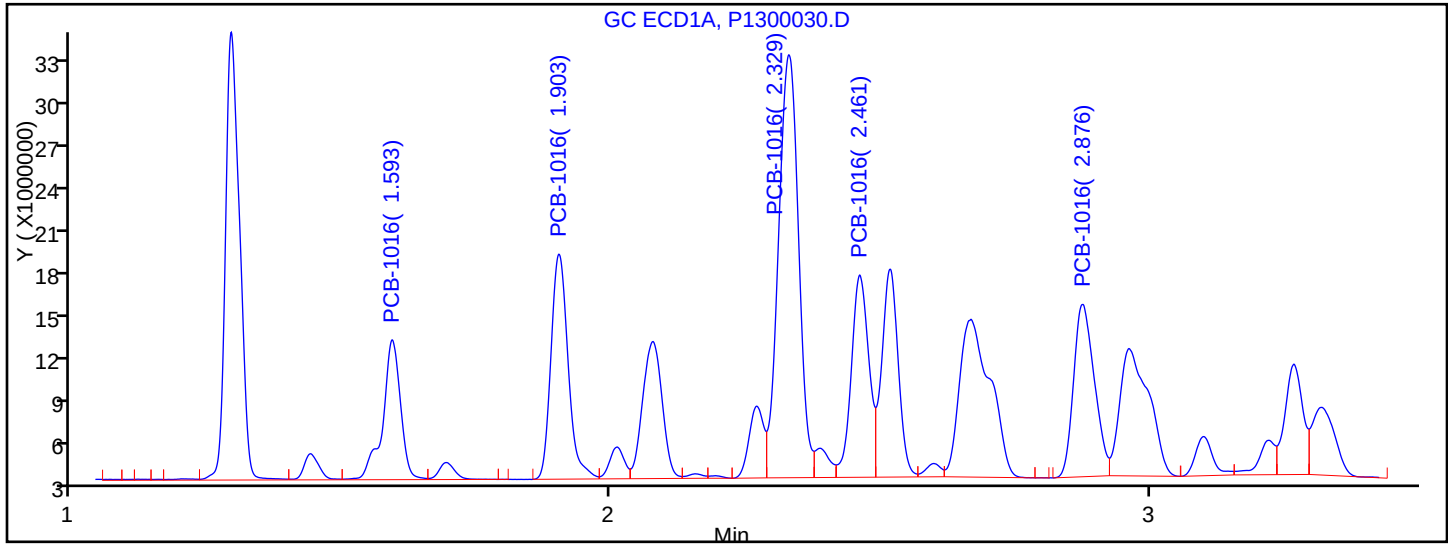
Operator ID:

Injection Vol: 1.0 1/cm

Column Type:

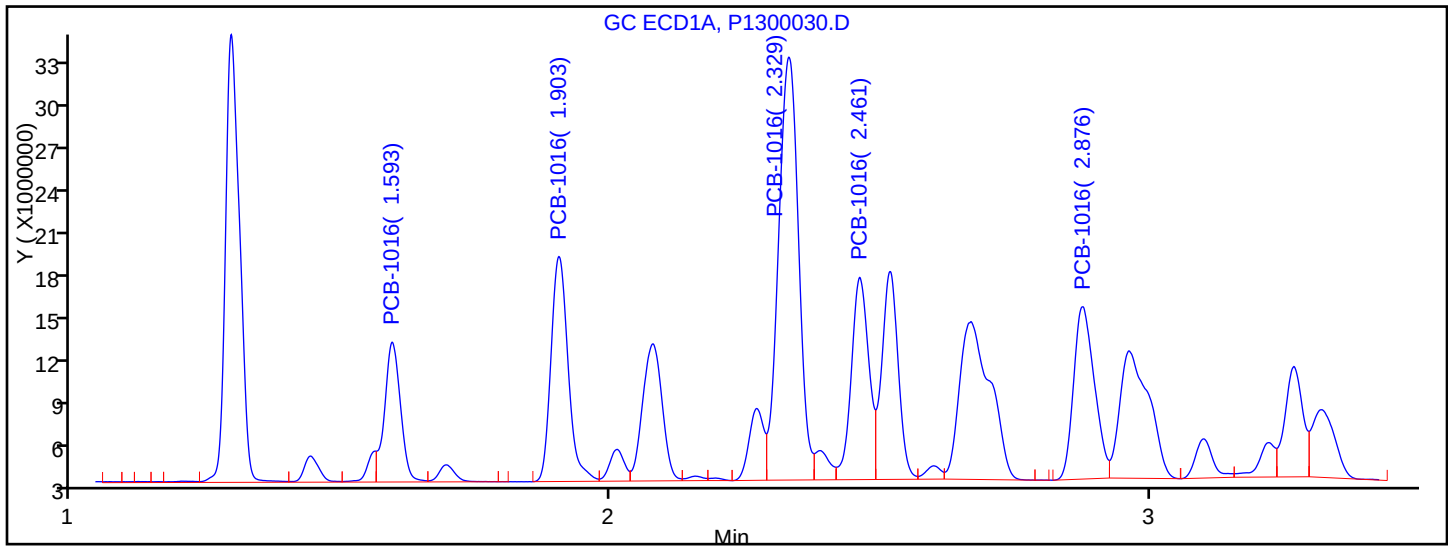
Column Dia:

6 PCB-1016, Detector: 1, GC ECD1A



Processing Integration Results

RT = 1.593	Response = 22990688	M
RT = 1.903	Response = 35576273	
RT = 2.329	Response = 78379601	
RT = 2.461	Response = 32631500	
RT = 2.876	Response = 33044348	



Manual Integration Results

RT = 1.593	Response = 20514286	M
RT = 1.903	Response = 35576273	
RT = 2.329	Response = 78379601	
RT = 2.461	Response = 32631500	
RT = 2.876	Response = 33044348	

Reviewer: hassl, 27-Nov-2012 09:53:48

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17525-1
 SDG No.: _____
 Lab Sample ID: CCV 240-66323/30 Calibration Date: 11/27/2012 08:49
 Instrument ID: A2HP13 Calib Start Date: 10/21/2012 22:51
 GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 10/22/2012 00:05
 Lab File ID: P1300030.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	22473505	24081826		0.536	0.500	7.2	20.0
PCB-1016 Peak 2	Ave	46910344	48450494		0.516	0.500	3.3	20.0
PCB-1016 Peak 3	Ave	90857261	100019432		0.550	0.500	10.1	20.0
PCB-1016 Peak 4	Ave	38716589	40207988		0.519	0.500	3.9	20.0
PCB-1016 Peak 5	Ave	36067525	38874480		0.539	0.500	7.8	20.0
PCB-1260 Peak 1	Ave	66648717	70401578		0.528	0.500	5.6	20.0
PCB-1260 Peak 2	Lin1		87441164		0.579	0.500	15.9	20.0
PCB-1260 Peak 3	Ave	116834929	129331072		0.553	0.500	10.7	20.0
PCB-1260 Peak 4	Ave	142290611	164332508		0.577	0.500	15.5	20.0
PCB-1260 Peak 5	Ave	104134113	117238716		0.563	0.500	12.6	20.0
Tetrachloro-m-xylene	Ave	1437051097	1538454800		0.0268	0.0250	7.1	20.0
DCB Decachlorobiphenyl	Ave	1346914135	1509271240		0.0280	0.0250	12.1	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17525-1
SDG No.: _____
Lab Sample ID: CCV 240-66323/30 Calibration Date: 11/27/2012 08:49
Instrument ID: A2HP13 Calib Start Date: 10/21/2012 22:51
GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 10/22/2012 00:05
Lab File ID: P1300030.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.14	2.09	2.19
PCB-1016 Peak 2	2.57	2.52	2.62
PCB-1016 Peak 3	3.05	3.00	3.10
PCB-1016 Peak 4	3.20	3.15	3.25
PCB-1016 Peak 5	3.85	3.80	3.90
PCB-1260 Peak 1	5.14	5.09	5.19
PCB-1260 Peak 2	5.38	5.33	5.43
PCB-1260 Peak 3	5.77	5.72	5.82
PCB-1260 Peak 4	6.51	6.46	6.56
PCB-1260 Peak 5	6.91	6.86	6.96
Tetrachloro-m-xylene	1.65	1.60	1.70
DCB Decachlorobiphenyl	8.22	8.17	8.27

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP13\20121126-15278.b\P1300030.D
 Lims ID: CCV AR1660 Client ID:
 Inject. Date: 27-Nov-2012 08:49:54 Dil. Factor: 1.0000
 Sample Type: CCV
 Sample ID: 240-0015278-030
 Misc. Info.:
 Operator: Instrument ID: A2HP13
 Injection Vol: 1.0 1/cm ALS Bottle#: 30
 Lims Batch ID: 66323 Lims Sample ID: 30
 Sublist: chrom-PCB13*sub10
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCCChrom\ChromData\A2HP13\20121126-15278.b\PCB13.m
 Last Update: 27-Nov-2012 09:54:40 Calib Date: 22-Oct-2012 03:04:38
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK003

First Level Reviewer: hassl

Date: 27-Nov-2012 09:53:48

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

\$ 2 Tetrachloro-m-xylene

1	44	1.294	1.294	0.000	58704317	0.0257			
2	2	1.648	1.648	0.000	38461370	0.0268			

RPD = 4.00

6 PCB-1016

1	100	1.593	1.593	0.000	20514286	0.5046		100.0	M
1	2	1.903	1.903	0.000	35576273	0.4950	149.3- 199.3	173.4	
1	3	2.329	2.329	0.000	78379601	0.5050	350.2- 400.2	382.1	
1	4	2.461	2.461	0.000	32631500	0.5061	130.7- 180.7	159.1	
1	5	2.876	2.876	0.000	33044348	0.4870	137.9- 187.9	161.1	
		Average of Peak Amounts =				0.4995			
2	6	2.144	2.144	0.000	12040913	0.5358		100.0	
2	7	2.568	2.568	0.000	24225247	0.5164	176.5- 236.5	201.2	
2	8	3.050	3.050	0.000	50009716	0.5504	362.5- 422.5	415.3	
2	9	3.199	3.199	0.000	20103994	0.5193	137.9- 197.9	167.0	
2	10	3.850	3.850	0.000	19437240	0.5389	118.8- 178.8	161.4	
		Average of Peak Amounts =				0.5322			

RPD = 6.32

Data File: \\NCCChrom\ChromData\A2HP13\20121126-15278.b\P1300030.D

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

10 PCB-1260

1	100	4.170	4.170	0.000	49129850	0.4847		100.0	
1	2	4.479	4.479	0.000	100143587	0.4991	175.1- 225.1	203.8	
1	3	4.778	4.778	0.000	99788972	0.4988	173.2- 223.2	203.1	
1	4	5.529	5.529	0.000	139059499	0.5116	244.1- 294.1	283.0	
1	5	5.832	5.832	0.000	64865626	0.5022	101.5- 151.5	132.0	

Average of Peak Amounts = 0.4993

2	6	5.136	5.136	0.000	35200789	0.5282		100.0	
2	7	5.384	5.384	0.000	43720582	0.5793	86.6- 146.6	124.2	
2	8	5.771	5.771	0.000	64665536	0.5535	142.9- 202.9	183.7	
2	9	6.505	6.505	0.000	82166254	0.5775	179.5- 239.5	233.4	
2	10	6.907	6.907	0.000	58619358	0.5629	121.8- 181.8	166.5	

Average of Peak Amounts = 0.5603

RPD = 11.50

\$ 12 DCB Decachlorobiphenyl

1	100	7.067	7.067	0.000	60097730	0.0257			
2	2	8.219	8.219	0.000	37731781	0.0280			

RPD = 8.45

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 27-Nov-2012 09:54:41

Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP13\20121126-15278.b\P1300030.D

Injection Date: 27-Nov-2012 08:49:54

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP13

Lims Batch ID: 66323

Lims Sample ID: 30

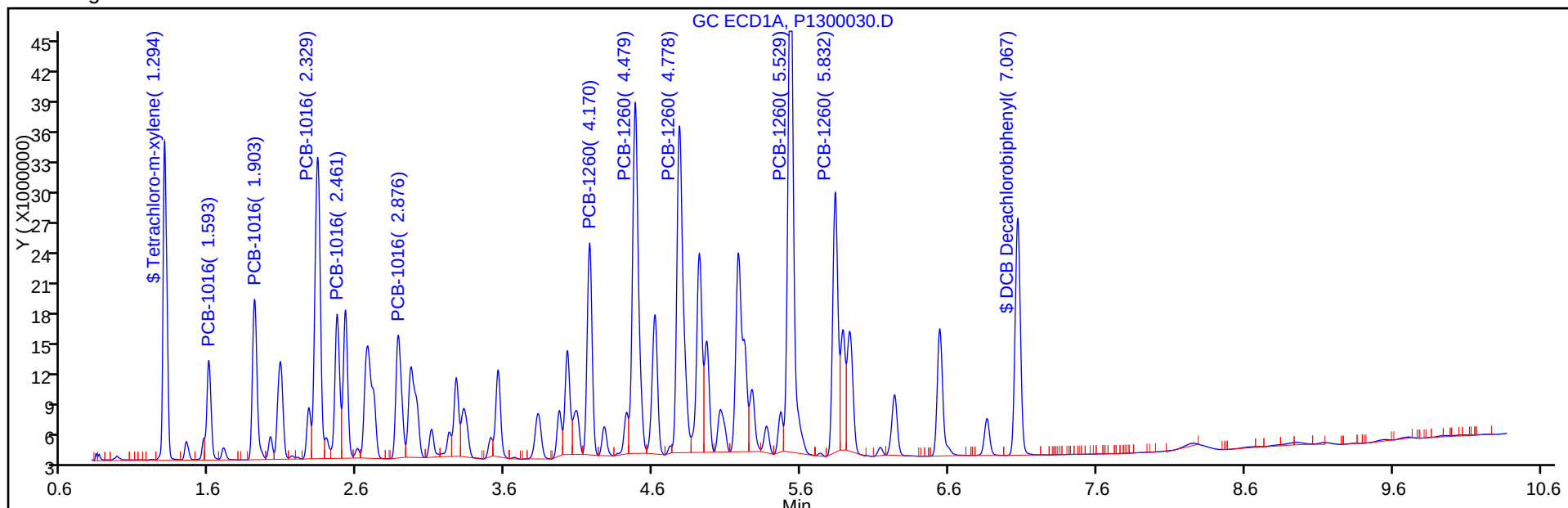
Operator ID:

Injection Vol: 1.0 1/cm

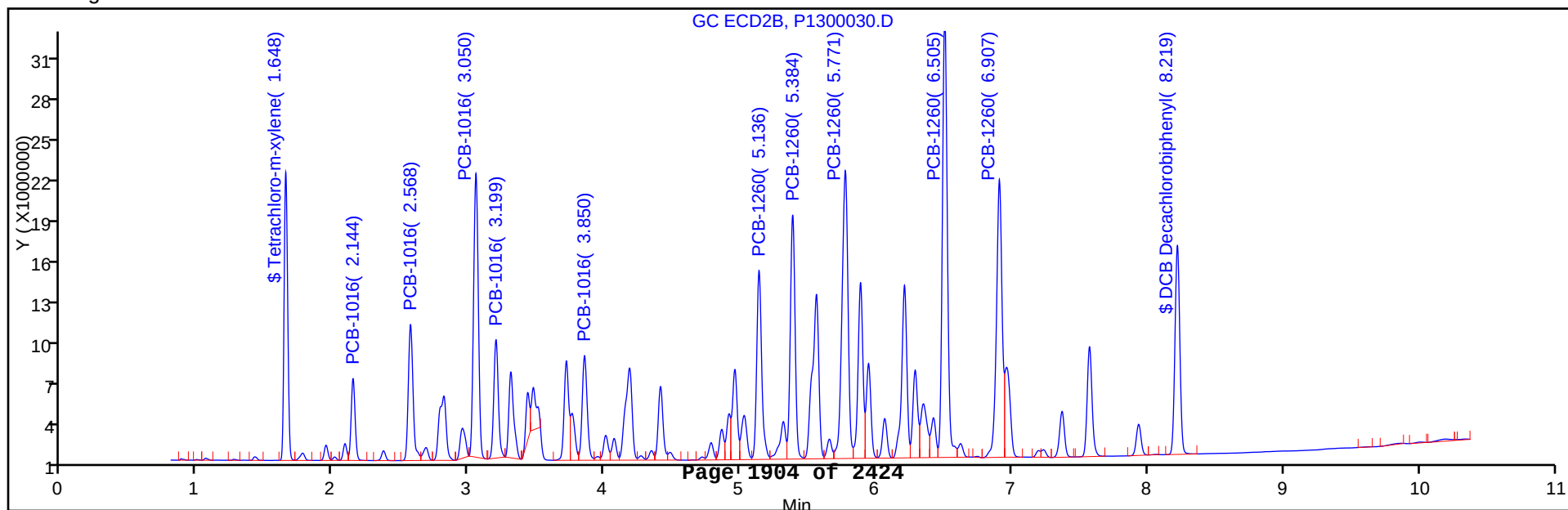
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-17525-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 240-65753/23-A
Matrix: Solid Lab File ID: P1300018.D
Analysis Method: 8082/DOD Date Collected: _____
Extraction Method: 3540C Date Extracted: 11/20/2012 11:06
Sample wt/vol: 30.00(g) Date Analyzed: 11/27/2012 05:50
Con. Extract Vol.: 10(mL) Dilution Factor: 1
Injection Volume: 1(1/cm) GC Column: CLP-1 ID: 0.53(mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 66323 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	72		40-140
2051-24-3	DCB Decachlorobiphenyl	82		60-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121126-15278.b\P1300018.D
 Lims ID: MB 240-65753/23-A Client ID:
 Inject. Date: 27-Nov-2012 05:50:50 Dil. Factor: 1.0000
 Sample Type: MB
 Sample ID: 240-0015278-018
 Misc. Info.:
 Operator: Instrument ID: A2HP13
 Injection Vol: 1.0 1/cm ALS Bottle#: 18
 Lims Batch ID: 66323 Lims Sample ID: 18
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCChrom\ChromData\A2HP13\20121126-15278.b\PCB13.m
 Last Update: 27-Nov-2012 09:54:17 Calib Date: 22-Oct-2012 03:04:38
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK003

First Level Reviewer: hassl

Date: 27-Nov-2012 09:44:50

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

S 1 Polychlorinated biphenyls, Total

7

1 100 1.000

\$ 2 Tetrachloro-m-xylene

1 44 1.294 1.292 0.002 33013930 0.0145

2 2 1.650 1.648 0.002 22601344 0.0157

RPD = 8.39

3 PCB-1221

1 2 1.441

1 3 1.593

1 4 1.555

2 4 1.946

2 5 2.086

2 6 2.146

4 PCB-1232

1 100 1.557

1 2 1.900

1 3 2.327

1 4 2.459

1 5 2.872

2 6 2.145

2 7 2.567

2 8 3.050

2 9 3.198

2 10 3.851

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

5 PCB-1242

1	100	1.591
1	2	1.901
1	3	2.328
1	4	2.459
1	5	2.873
2	6	2.145
2	7	2.568
2	8	3.050
2	9	3.198
2	10	3.716

6 PCB-1016

1	100	1.553
1	2	1.900
1	3	2.327
1	4	2.460
1	5	2.872
2	6	2.145
2	7	2.567
2	8	3.050
2	9	3.197
2	10	3.850

7 PCB-1248

1	86	1.899
1	2	2.326
1	3	2.872
1	4	3.494
1	5	3.963
2	6	2.567
2	7	3.048
2	8	3.717
2	9	3.848
2	10	4.913

8 PCB-1254

1	100	3.547
1	2	3.962
1	3	4.267
1	4	4.474
1	5	4.776
2	6	4.409
2	7	4.913
2	8	5.176
2	9	5.557
2	10	5.774

Data File: \\NCCchrom\ChromData\A2HP13\20121126-15278.b\P1300018.D

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

10 PCB-1260

1	100		4.167						
1	2		4.474						
1	3		4.774						
1	4		5.526						
1	5		5.828						
2	6		5.136						
2	7		5.382						
2	8		5.771						
2	9		6.503						
2	10		6.906						

9 PCB-1262

1	100		4.477						1
1	2		4.910						
1	3		5.174						
1	4		5.526						
1	5		5.882						
2	6		5.383						
2	7		5.883						
2	8		6.206						
2	9		6.503						
2	10		6.905						

11 PCB-1268

1	100		5.884						
1	2		5.920						
1	3		6.135						
1	4		6.539						
1	5		6.857						
2	6		6.904						
2	7		6.954						
2	8		7.233						
2	9		7.571						
2	10		7.932						

\$ 12 DCB Decachlorobiphenyl

1	100	7.065	7.065	0.000	38435703	0.0165			
2	2	8.216	8.217	-0.001	21594409	0.0160			

RPD = 2.65

QC Flag Legend

Processing Flags

1 - Missing Peaks

7 - Failed Limit of Detection

Report Date: 27-Nov-2012 09:54:26

Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP13\20121126-15278.b\1300018.D

Injection Date: 27-Nov-2012 05:50:50

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP13

Lims Batch ID: 66323

Lims Sample ID: 18

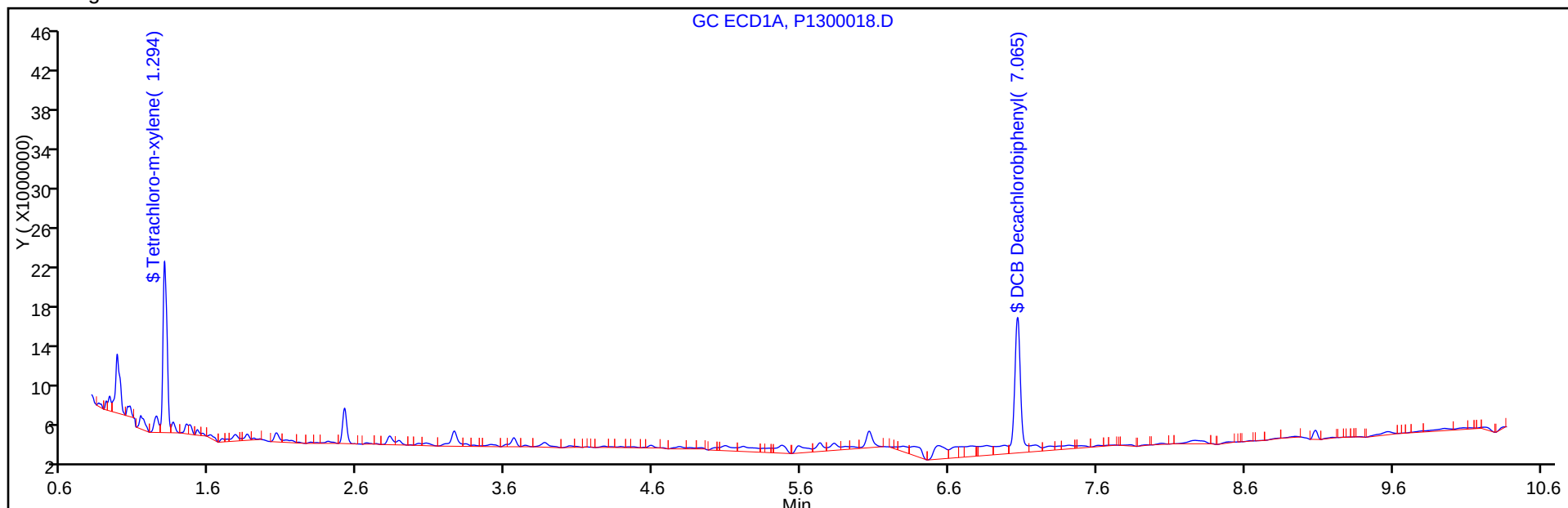
Operator ID:

Injection Vol: 1.0 1/cm

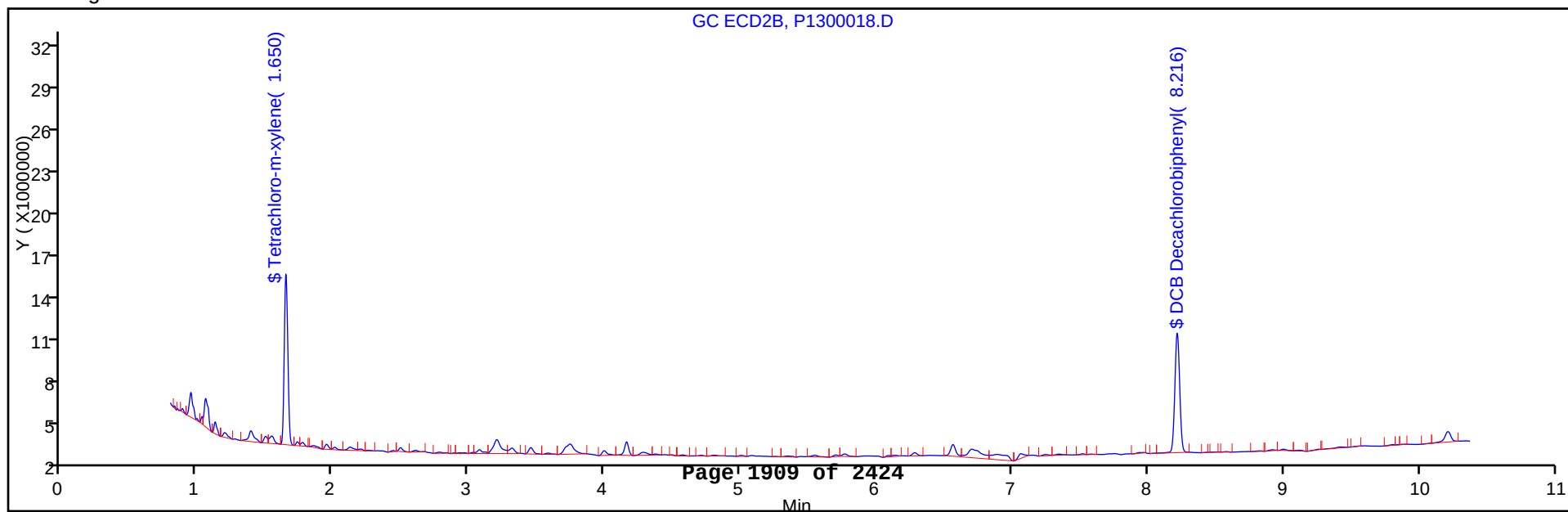
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-17525-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 240-65753/23-A
 Matrix: Solid Lab File ID: P1300018.D
 Analysis Method: 8082/DOD Date Collected: _____
 Extraction Method: 3540C Date Extracted: 11/20/2012 11:06
 Sample wt/vol: 30.00(g) Date Analyzed: 11/27/2012 05:50
 Con. Extract Vol.: 10(mL) Dilution Factor: 1
 Injection Volume: 1(1/cm) GC Column: CLP-2 ID: 0.53(mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 66323 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
11104-28-2	Aroclor-1221	25	U	50	25	16
12674-11-2	Aroclor-1016	25	U	65	25	21
11141-16-5	Aroclor-1232	25	U	45	25	14
53469-21-9	Aroclor-1242	25	U	40	25	13
12672-29-6	Aroclor-1248	25	U	55	25	17
11097-69-1	Aroclor-1254	25	U	55	25	17
11096-82-5	Aroclor-1260	25	U	55	25	17

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	79		40-140
2051-24-3	DCB Decachlorobiphenyl	80		60-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121126-15278.b\P1300018.D
 Lims ID: MB 240-65753/23-A Client ID:
 Inject. Date: 27-Nov-2012 05:50:50 Dil. Factor: 1.0000
 Sample Type: MB
 Sample ID: 240-0015278-018
 Misc. Info.:
 Operator: Instrument ID: A2HP13
 Injection Vol: 1.0 1/cm ALS Bottle#: 18
 Lims Batch ID: 66323 Lims Sample ID: 18
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCChrom\ChromData\A2HP13\20121126-15278.b\PCB13.m
 Last Update: 27-Nov-2012 09:54:17 Calib Date: 22-Oct-2012 03:04:38
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK003

First Level Reviewer: hassl

Date: 27-Nov-2012 09:44:50

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

S 1 Polychlorinated biphenyls, Total

7

1 100 1.000

\$ 2 Tetrachloro-m-xylene

1 44 1.294 1.292 0.002 33013930 0.0145

2 2 1.650 1.648 0.002 22601344 0.0157

RPD = 8.39

3 PCB-1221

1 2 1.441

1 3 1.593

1 4 1.555

2 4 1.946

2 5 2.086

2 6 2.146

4 PCB-1232

1 100 1.557

1 2 1.900

1 3 2.327

1 4 2.459

1 5 2.872

2 6 2.145

2 7 2.567

2 8 3.050

2 9 3.198

2 10 3.851

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

5 PCB-1242

1	100	1.591
1	2	1.901
1	3	2.328
1	4	2.459
1	5	2.873
2	6	2.145
2	7	2.568
2	8	3.050
2	9	3.198
2	10	3.716

6 PCB-1016

1	100	1.553
1	2	1.900
1	3	2.327
1	4	2.460
1	5	2.872
2	6	2.145
2	7	2.567
2	8	3.050
2	9	3.197
2	10	3.850

7 PCB-1248

1	86	1.899
1	2	2.326
1	3	2.872
1	4	3.494
1	5	3.963
2	6	2.567
2	7	3.048
2	8	3.717
2	9	3.848
2	10	4.913

8 PCB-1254

1	100	3.547
1	2	3.962
1	3	4.267
1	4	4.474
1	5	4.776
2	6	4.409
2	7	4.913
2	8	5.176
2	9	5.557
2	10	5.774

Data File: \\NCC\Chrom\ChromData\A2HP13\20121126-15278.b\P1300018.D

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

10 PCB-1260

1	100		4.167						
1	2		4.474						
1	3		4.774						
1	4		5.526						
1	5		5.828						
2	6		5.136						
2	7		5.382						
2	8		5.771						
2	9		6.503						
2	10		6.906						

9 PCB-1262

1	100		4.477						1
1	2		4.910						
1	3		5.174						
1	4		5.526						
1	5		5.882						
2	6		5.383						
2	7		5.883						
2	8		6.206						
2	9		6.503						
2	10		6.905						

11 PCB-1268

1	100		5.884						
1	2		5.920						
1	3		6.135						
1	4		6.539						
1	5		6.857						
2	6		6.904						
2	7		6.954						
2	8		7.233						
2	9		7.571						
2	10		7.932						

\$ 12 DCB Decachlorobiphenyl

1	100	7.065	7.065	0.000	38435703	0.0165			
2	2	8.216	8.217	-0.001	21594409	0.0160			

RPD = 2.65

QC Flag Legend

Processing Flags

1 - Missing Peaks

7 - Failed Limit of Detection

Report Date: 27-Nov-2012 09:54:26

Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\NCCchrom\ChromData\A2HP13\20121126-15278.b\1300018.D

Injection Date: 27-Nov-2012 05:50:50

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP13

Lims Batch ID: 66323

Lims Sample ID: 18

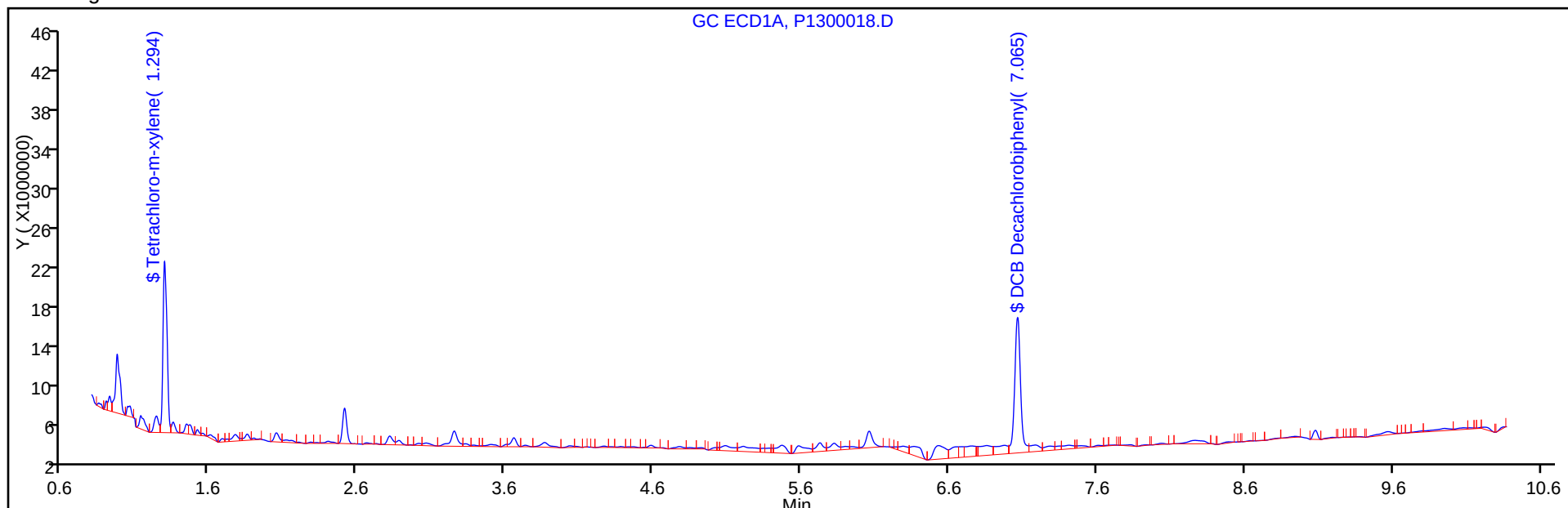
Operator ID:

Injection Vol: 1.0 1/cm

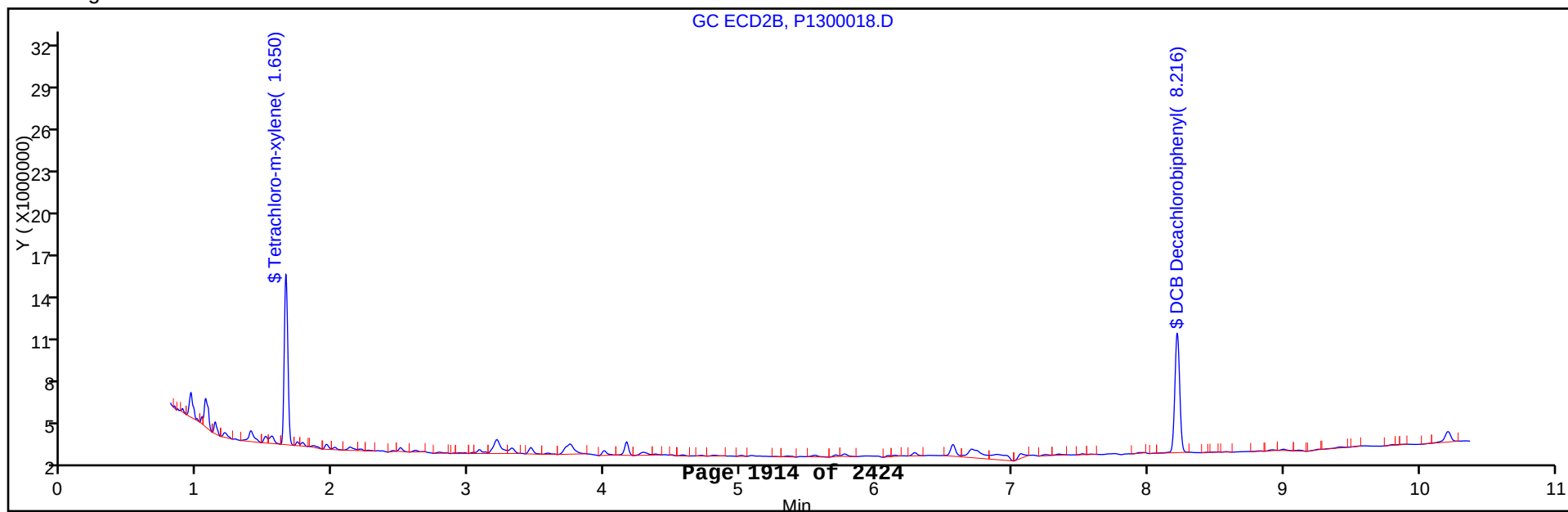
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-17525-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: LCS 240-65753/24-A
Matrix: Solid Lab File ID: P1300029.D
Analysis Method: 8082/DOD Date Collected: _____
Extraction Method: 3540C Date Extracted: 11/20/2012 11:06
Sample wt/vol: 30.00(g) Date Analyzed: 11/27/2012 08:35
Con. Extract Vol.: 10(mL) Dilution Factor: 1
Injection Volume: 1(1/cm) GC Column: CLP-1 ID: 0.53(mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 66323 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	60		40-140
2051-24-3	DCB Decachlorobiphenyl	84		60-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP13\20121126-15278.b\P1300029.D
 Lims ID: LCS 240-65753/24-A Client ID:
 Inject. Date: 27-Nov-2012 08:35:01 Dil. Factor: 1.0000
 Sample Type: LCS
 Sample ID: 240-0015278-029
 Misc. Info.:
 Operator: Instrument ID: A2HP13
 Injection Vol: 1.0 1/cm ALS Bottle#: 29
 Lims Batch ID: 66323 Lims Sample ID: 29
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCCChrom\ChromData\A2HP13\20121126-15278.b\PCB13.m
 Last Update: 27-Nov-2012 09:54:27 Calib Date: 22-Oct-2012 03:04:38
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK003

First Level Reviewer: hassl

Date: 27-Nov-2012 09:40:18

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

\$ 2 Tetrachloro-m-xylene

1	44	1.293	1.293	0.000	27522681	0.0121			
2	2	1.649	1.648	0.001	17504629	0.0122			

RPD = 1.03

6 PCB-1016

1	100	1.593	1.593	0.000	23419104	0.5760		100.0	M
1	2	1.902	1.902	0.000	47710886	0.6638	149.3- 199.3	203.7	
1	3	2.328	2.329	-0.001	109413941	0.7049	350.2- 400.2	467.2	
1	4	2.460	2.460	0.000	45716003	0.7091	130.7- 180.7	195.2	
1	5	2.873	2.873	0.000	47667041	0.7025	137.9- 187.9	203.5	
		Average of Peak Amounts =				0.6713			
2	6	2.146	2.144	0.002	15217238	0.6771		100.0	
2	7	2.570	2.567	0.003	35874531	0.7647	176.5- 236.5	235.7	
2	8	3.051	3.049	0.002	75771373	0.8340	362.5- 422.5	497.9	
2	9	3.198	3.198	0.000	31336812	0.8094	137.9- 197.9	205.9	
2	10	3.851	3.849	0.002	26011730	0.7212	118.8- 178.8	170.9	
		Average of Peak Amounts =				0.7613			

RPD = 12.57

Data File: \\NCCchrom\ChromData\A2HP13\20121126-15278.b\P1300029.D

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

10 PCB-1260

1	100	4.167	4.168	-0.001	74139959	0.7315		100.0	
1	2	4.476	4.478	-0.002	150055205	0.7479	175.1- 225.1	202.4	
1	3	4.776	4.777	-0.001	152746670	0.7636	173.2- 223.2	206.0	
1	4	5.526	5.528	-0.002	212735864	0.7827	244.1- 294.1	286.9	
1	5	5.828	5.830	-0.002	102485490	0.7935	101.5- 151.5	138.2	

Average of Peak Amounts = 0.7638

2	6	5.137	5.135	0.002	53523295	0.8031		100.0	
2	7	5.384	5.383	0.001	65181849	0.8850	86.6- 146.6	121.8	
2	8	5.771	5.771	0.000	98930436	0.8468	142.9- 202.9	184.8	
2	9	6.503	6.503	0.000	128014970	0.8997	179.5- 239.5	239.2	
2	10	6.906	6.905	0.001	89628852	0.8607	121.8- 181.8	167.5	

Average of Peak Amounts = 0.8590

RPD = 11.73

\$ 12 DCB Decachlorobiphenyl

1	100	7.063	7.065	-0.002	39345781	0.0169			
2	2	8.218	8.218	0.000	22437392	0.0167			

RPD = 1.16

QC Flag Legend

Review Flags

M - Manually Integrated

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP13\201211126-15278.b\P1300029.D

Injection Date: 27-Nov-2012 08:35:01

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP13

Lims Batch ID: 66323

Lims Sample ID: 29

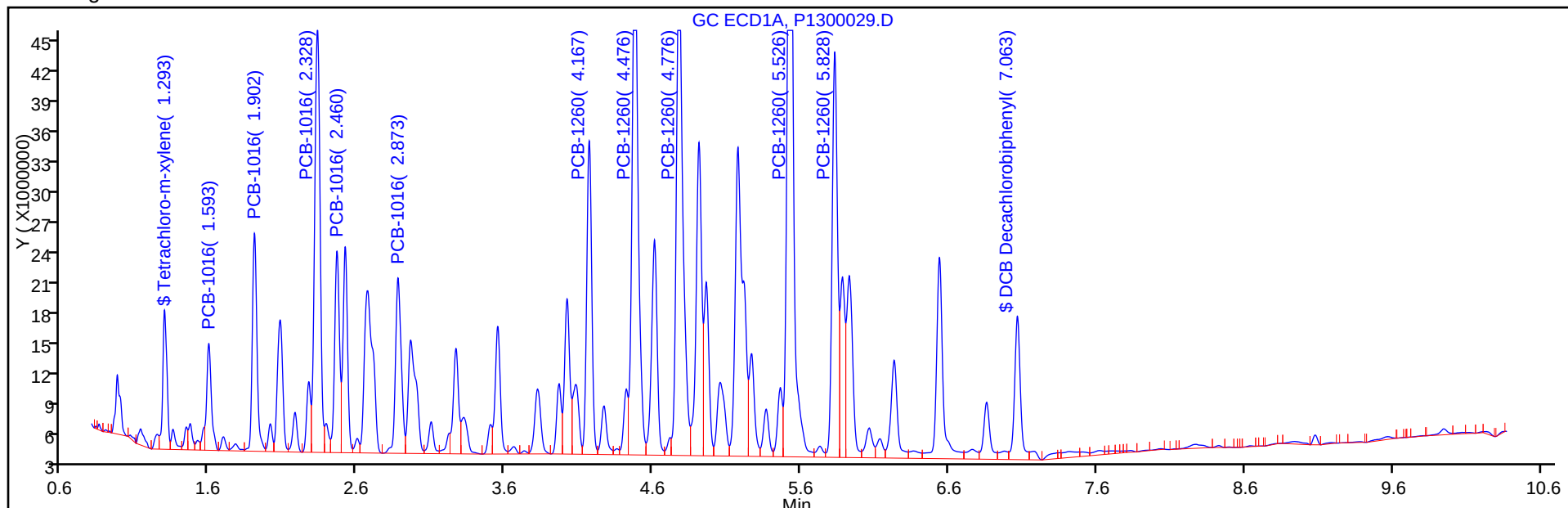
Operator ID:

Injection Vol: 1.0 1/cm

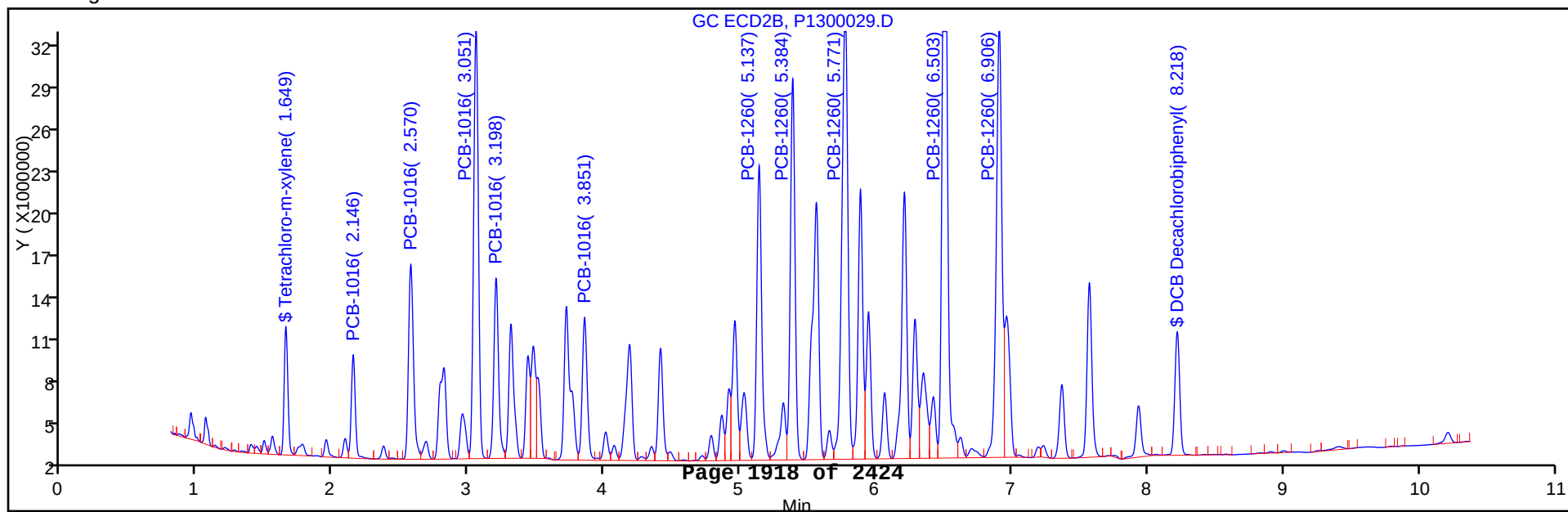
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Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton

Data File: \\NCCrom\ChromData\A2HP13\20121126-15278.b\P1300029.D

Injection Date: 27-Nov-2012 08:35:01

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP13

Lims Batch ID: 66323

Lims Sample ID: 29

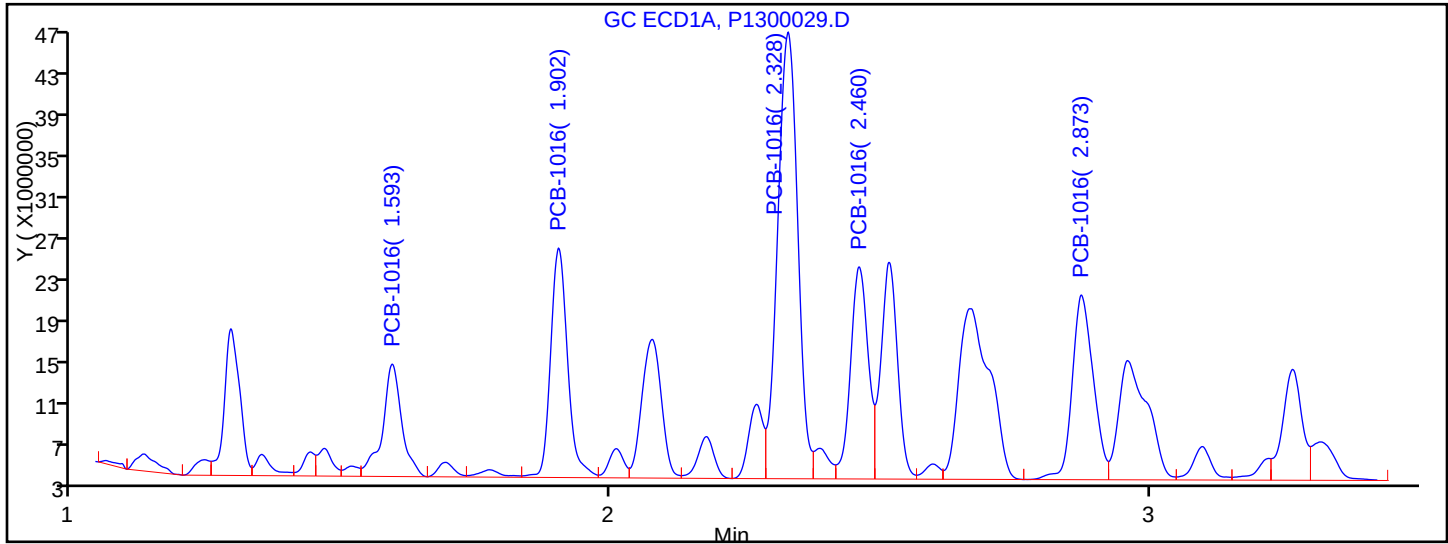
Operator ID:

Injection Vol: 1.0 1/cm

Column Type:

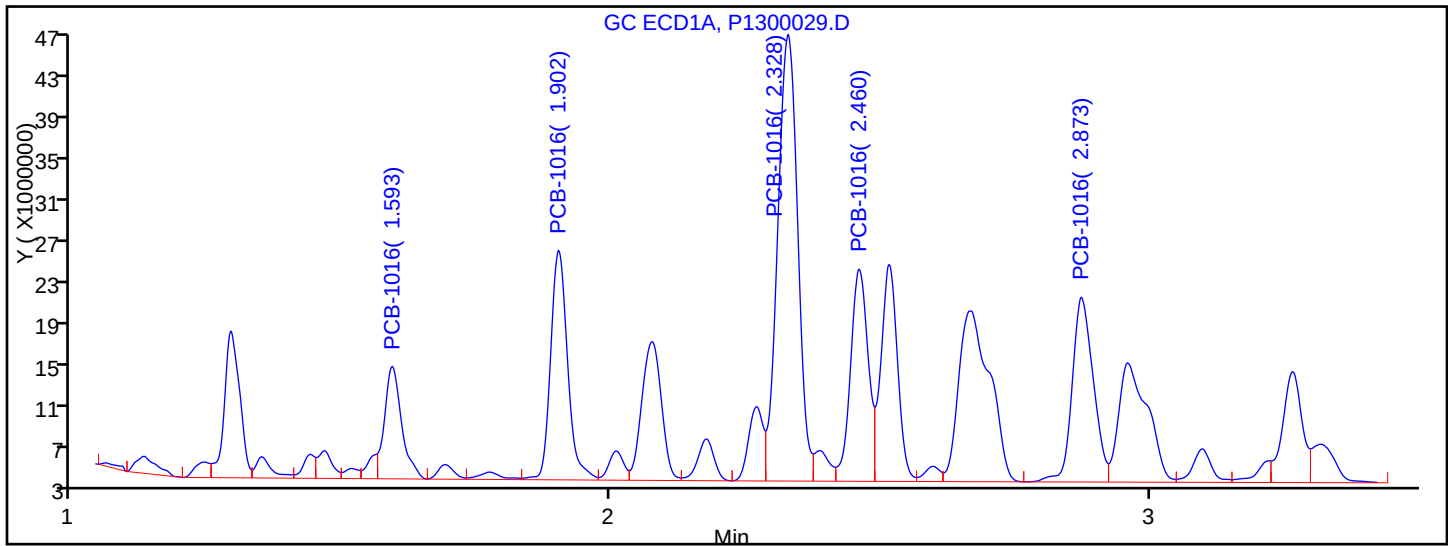
Column Dia:

6 PCB-1016, Detector: 1, GC ECD1A



Processing Integration Results

RT = 1.593	Response = 26414344	M
RT = 1.902	Response = 47710886	
RT = 2.328	Response = 109413941	
RT = 2.460	Response = 45716003	
RT = 2.873	Response = 47667041	



Manual Integration Results

RT = 1.593	Response = 23419104	M
RT = 1.902	Response = 47710886	
RT = 2.328	Response = 109413941	
RT = 2.460	Response = 45716003	
RT = 2.873	Response = 47667041	

Reviewer: hassl, 27-Nov-2012 09:40:40

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-17525-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: LCS 240-65753/24-A
Matrix: Solid Lab File ID: P1300029.D
Analysis Method: 8082/DOD Date Collected: _____
Extraction Method: 3540C Date Extracted: 11/20/2012 11:06
Sample wt/vol: 30.00(g) Date Analyzed: 11/27/2012 08:35
Con. Extract Vol.: 10(mL) Dilution Factor: 1
Injection Volume: 1(1/cm) GC Column: CLP-2 ID: 0.53(mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 66323 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
12674-11-2	Aroclor-1016	254		65	25	21
11096-82-5	Aroclor-1260	286		55	25	17

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	61		40-140
2051-24-3	DCB Decachlorobiphenyl	83		60-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP13\20121126-15278.b\P1300029.D
 Lims ID: LCS 240-65753/24-A Client ID:
 Inject. Date: 27-Nov-2012 08:35:01 Dil. Factor: 1.0000
 Sample Type: LCS
 Sample ID: 240-0015278-029

Misc. Info.:
 Operator: Instrument ID: A2HP13
 Injection Vol: 1.0 1/cm ALS Bottle#: 29
 Lims Batch ID: 66323 Lims Sample ID: 29
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b

Method: \\NCCChrom\ChromData\A2HP13\20121126-15278.b\PCB13.m
 Last Update: 27-Nov-2012 09:54:27 Calib Date: 22-Oct-2012 03:04:38
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK003

First Level Reviewer: hassl

Date: 27-Nov-2012 09:40:18

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

\$ 2 Tetrachloro-m-xylene

1	44	1.293	1.293	0.000	27522681	0.0121			
2	2	1.649	1.648	0.001	17504629	0.0122			

RPD = 1.03

6 PCB-1016

1	100	1.593	1.593	0.000	23419104	0.5760		100.0	M
1	2	1.902	1.902	0.000	47710886	0.6638	149.3- 199.3	203.7	
1	3	2.328	2.329	-0.001	109413941	0.7049	350.2- 400.2	467.2	
1	4	2.460	2.460	0.000	45716003	0.7091	130.7- 180.7	195.2	
1	5	2.873	2.873	0.000	47667041	0.7025	137.9- 187.9	203.5	
		Average of Peak Amounts =				0.6713			
2	6	2.146	2.144	0.002	15217238	0.6771		100.0	
2	7	2.570	2.567	0.003	35874531	0.7647	176.5- 236.5	235.7	
2	8	3.051	3.049	0.002	75771373	0.8340	362.5- 422.5	497.9	
2	9	3.198	3.198	0.000	31336812	0.8094	137.9- 197.9	205.9	
2	10	3.851	3.849	0.002	26011730	0.7212	118.8- 178.8	170.9	
		Average of Peak Amounts =				0.7613			

RPD = 12.57

Data File: \\NCCChrom\ChromData\A2HP13\20121126-15278.b\P1300029.D

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

10 PCB-1260

1	100	4.167	4.168	-0.001	74139959	0.7315		100.0	
1	2	4.476	4.478	-0.002	150055205	0.7479	175.1- 225.1	202.4	
1	3	4.776	4.777	-0.001	152746670	0.7636	173.2- 223.2	206.0	
1	4	5.526	5.528	-0.002	212735864	0.7827	244.1- 294.1	286.9	
1	5	5.828	5.830	-0.002	102485490	0.7935	101.5- 151.5	138.2	

Average of Peak Amounts = 0.7638

2	6	5.137	5.135	0.002	53523295	0.8031		100.0	
2	7	5.384	5.383	0.001	65181849	0.8850	86.6- 146.6	121.8	
2	8	5.771	5.771	0.000	98930436	0.8468	142.9- 202.9	184.8	
2	9	6.503	6.503	0.000	128014970	0.8997	179.5- 239.5	239.2	
2	10	6.906	6.905	0.001	89628852	0.8607	121.8- 181.8	167.5	

Average of Peak Amounts = 0.8590

RPD = 11.73

\$ 12 DCB Decachlorobiphenyl

1	100	7.063	7.065	-0.002	39345781	0.0169			
2	2	8.218	8.218	0.000	22437392	0.0167			

RPD = 1.16

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 27-Nov-2012 09:54:39

Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP13\201211126-15278.b\P1300029.D

Injection Date: 27-Nov-2012 08:35:01

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP13

Lims Batch ID: 66323

Lims Sample ID: 29

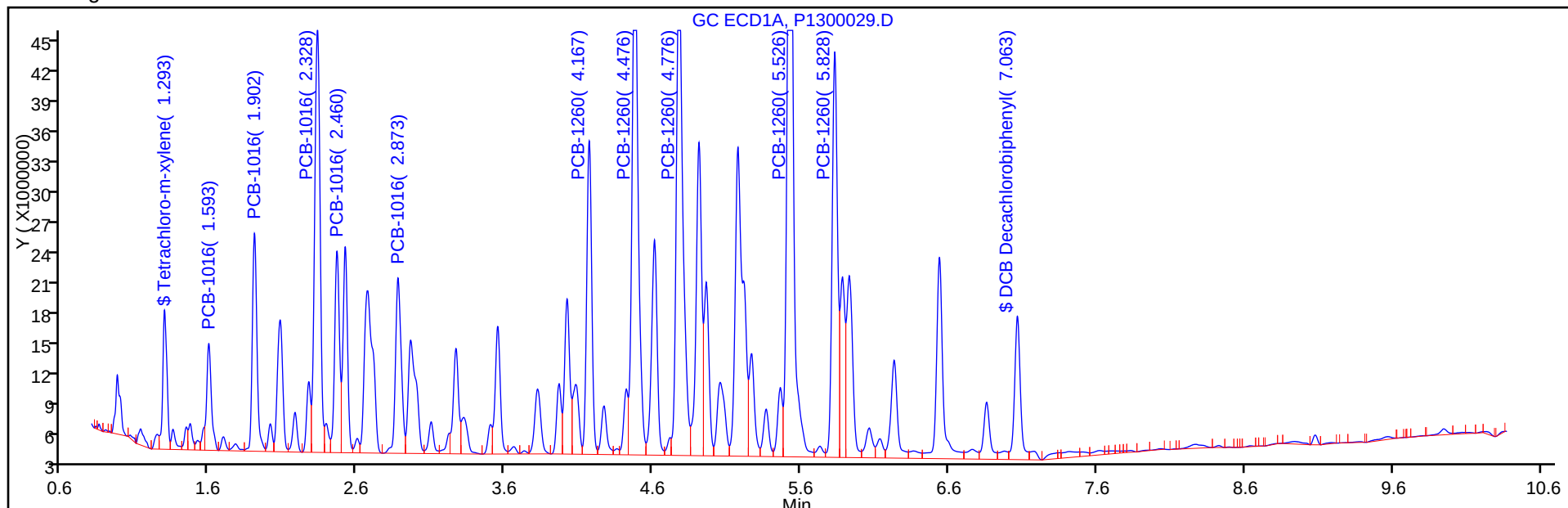
Operator ID:

Injection Vol: 1.0 1/cm

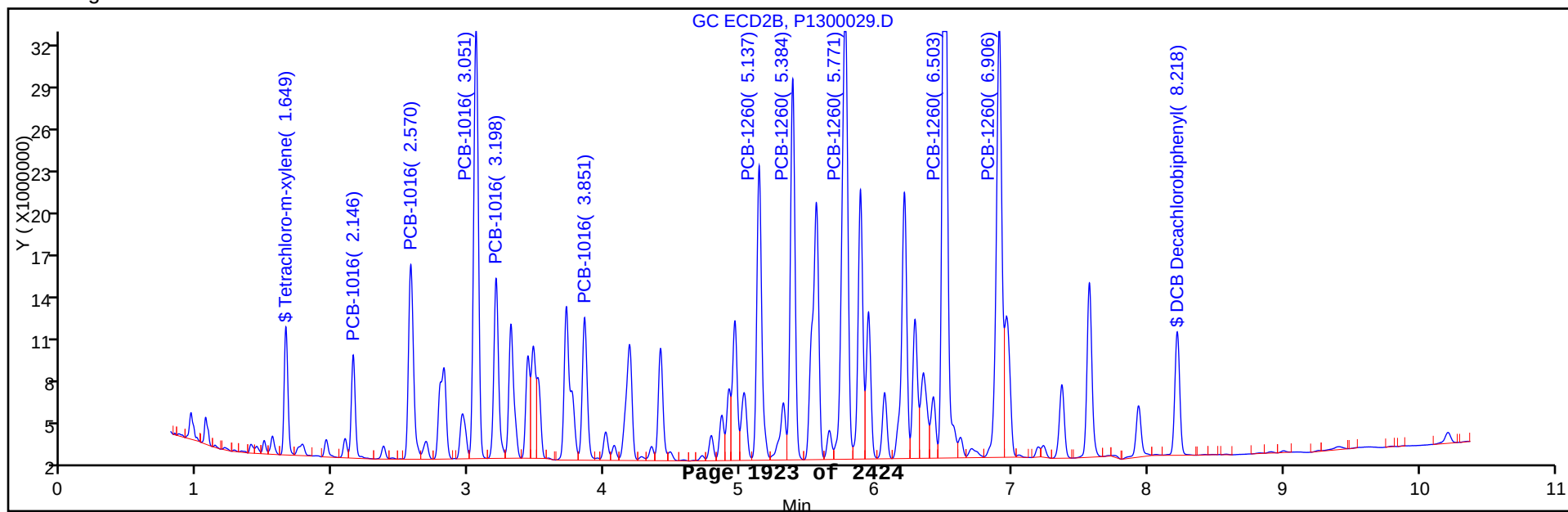
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-17525-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MRL 240-66323/3
 Matrix: Solid Lab File ID: P1300003.D
 Analysis Method: 8082/DOD Date Collected: _____
 Extraction Method: _____ Date Extracted: _____
 Sample wt/vol: 1(mL) Date Analyzed: 11/27/2012 02:07
 Con. Extract Vol.: 1.0(mL) Dilution Factor: 1
 Injection Volume: 1(1/cm) GC Column: CLP-1 ID: 0.53(mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 66323 Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
11104-28-2	Aroclor-1221	0.00020	U	0.050	0.00020	0.013
12674-11-2	Aroclor-1016	0.0554		0.050	0.00020	0.017
11141-16-5	Aroclor-1232	0.00020	U	0.050	0.00020	0.016
53469-21-9	Aroclor-1242	0.00040	U	0.050	0.00040	0.022
12672-29-6	Aroclor-1248	0.00020	U	0.050	0.00020	0.010
11097-69-1	Aroclor-1254	0.00020	U	0.050	0.00020	0.016
11096-82-5	Aroclor-1260	0.0542		0.050	0.00020	0.017

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	114		50-150
2051-24-3	DCB Decachlorobiphenyl	113		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP13\20121126-15278.b\P1300003.D
 Lims ID: MRL Client ID:
 Inject. Date: 27-Nov-2012 02:07:01 Dil. Factor: 1.0000
 Sample Type: MRL
 Sample ID: 240-0015278-003
 Misc. Info.:
 Operator: Instrument ID: A2HP13
 Injection Vol: 1.0 1/cm ALS Bottle#: 3
 Lims Batch ID: 66323 Lims Sample ID: 3
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCCChrom\ChromData\A2HP13\20121126-15278.b\PCB13.m
 Last Update: 27-Nov-2012 12:22:03 Calib Date: 22-Oct-2012 03:04:38
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK003

First Level Reviewer: hassl

Date: 27-Nov-2012 12:12:52

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
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S 1 Polychlorinated biphenyls, Total

7

1 100 1.000

\$ 2 Tetrachloro-m-xylene

1 44 1.293 1.293 0.000 6500269 0.002847

2 2 1.650 1.650 0.000 3855400 0.002683

RPD = 5.95

3 PCB-1221

1 2 1.440

1 3 1.593

1 4 1.558

2 4 1.947

2 5 2.087

2 6 2.145

4 PCB-1232

1 100 1.558

1 2 1.901

1 3 2.328

1 4 2.458

1 5 2.873

2 6 2.145

2 7 2.568

2 8 3.051

2 9 3.197

2 10 3.850

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									
1	100		1.593						
1	2		1.901						
1	3		2.328						
1	4		2.458						
1	5		2.873						
2	6		2.145						
2	7		2.568						
2	8		3.051						
2	9		3.197						
2	10		3.716						
6 PCB-1016									
1	100	1.593	1.593	0.000	2372633	0.0584		100.0	
1	2	1.901	1.901	0.000	4143529	0.0576	149.3- 199.3	174.6	
1	3	2.328	2.328	0.000	8424025	0.0543	350.2- 400.2	355.0	
1	4	2.458	2.458	0.000	3392479	0.0526	130.7- 180.7	143.0	
1	5	2.873	2.873	0.000	3678526	0.0542	137.9- 187.9	155.0	
			Average of Peak Amounts =			0.0554			
2	6	2.145	2.145	0.000	1387089	0.0617		100.0	
2	7	2.568	2.568	0.000	2768737	0.0590	176.5- 236.5	199.6	
2	8	3.051	3.051	0.000	5171478	0.0569	362.5- 422.5	372.8	
2	9	3.197	3.197	0.000	2243756	0.0580	137.9- 197.9	161.8	
2	10	3.850	3.850	0.000	1949828	0.0541	118.8- 178.8	140.6	
			Average of Peak Amounts =			0.0579			
						RPD = 4.43			
7 PCB-1248									
1	86		1.901						
1	2		2.328						
1	3		2.873						
1	4		3.499						
1	5		3.963						
2	6		2.568						
2	7		3.051						
2	8		3.716						
2	9		3.850						
2	10		4.913						
8 PCB-1254									
1	100		3.548						
1	2		3.963						
1	3		4.266						
1	4		4.474						
1	5		4.773						
2	6		4.409						
2	7		4.913						
2	8		5.135						
2	9		5.559						
2	10		5.772						

Data File: \\NCC\Chrom\ChromData\A2HP13\20121126-15278.b\P1300003.D

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

10 PCB-1260

1	100	4.167	4.167	0.000	5499571	0.0543		100.0	
1	2	4.474	4.474	0.000	11137024	0.0555	175.1- 225.1	202.5	
1	3	4.773	4.773	0.000	10813531	0.0541	173.2- 223.2	196.6	
1	4	5.525	5.525	0.000	14959380	0.0550	244.1- 294.1	272.0	
1	5	5.830	5.830	0.000	6754773	0.0523	101.5- 151.5	122.8	
Average of Peak Amounts =						0.0542			
2	6	5.135	5.135	0.000	3785839	0.0568		100.0	
2	7	5.384	5.384	0.000	4635060	0.0224	86.6- 146.6	122.4	
2	8	5.772	5.772	0.000	6665224	0.0570	142.9- 202.9	176.1	
2	9	6.503	6.503	0.000	8240392	0.0579	179.5- 239.5	217.7	
2	10	6.906	6.906	0.000	5958093	0.0572	121.8- 181.8	157.4	
Average of Peak Amounts =						0.0503			

RPD = 7.56

9 PCB-1262

1	100		4.474						
1	2		4.908						
1	3		5.173						
1	4		5.525						
1	5		5.881						
2	6		5.384						
2	7		5.883						
2	8		6.207						
2	9		6.503						
2	10		6.906						

11 PCB-1268

1	100		5.884						
1	2		5.920						
1	3		6.135						
1	4		6.539						
1	5		6.857						
2	6		6.904						
2	7		6.954						
2	8		7.233						
2	9		7.571						
2	10		7.932						

\$ 12 DCB Decachlorobiphenyl

1	100	7.065	7.065	0.000	6613959	0.002833			
2	2	8.218	8.218	0.000	3938543	0.002924			

RPD = 3.17

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP13\20121126-15278.b\P1300003.D

Injection Date: 27-Nov-2012 02:07:01

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP13

Lims Batch ID: 66323

Lims Sample ID: 3

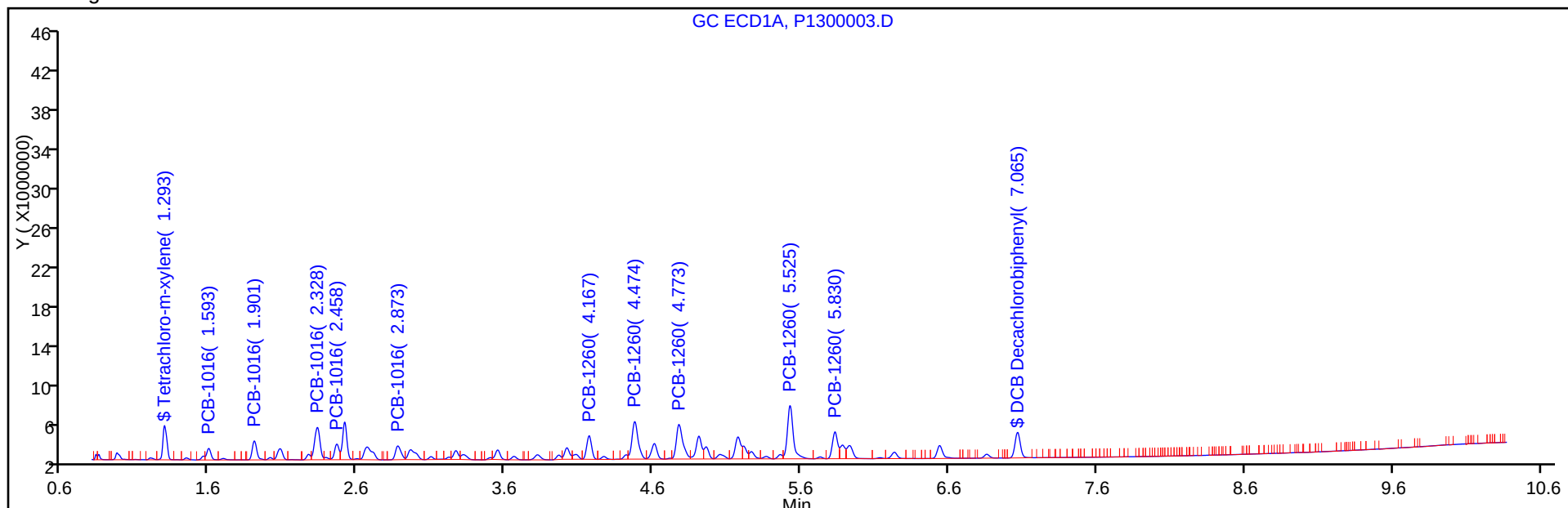
Operator ID:

Injection Vol: 1.0 1/cm

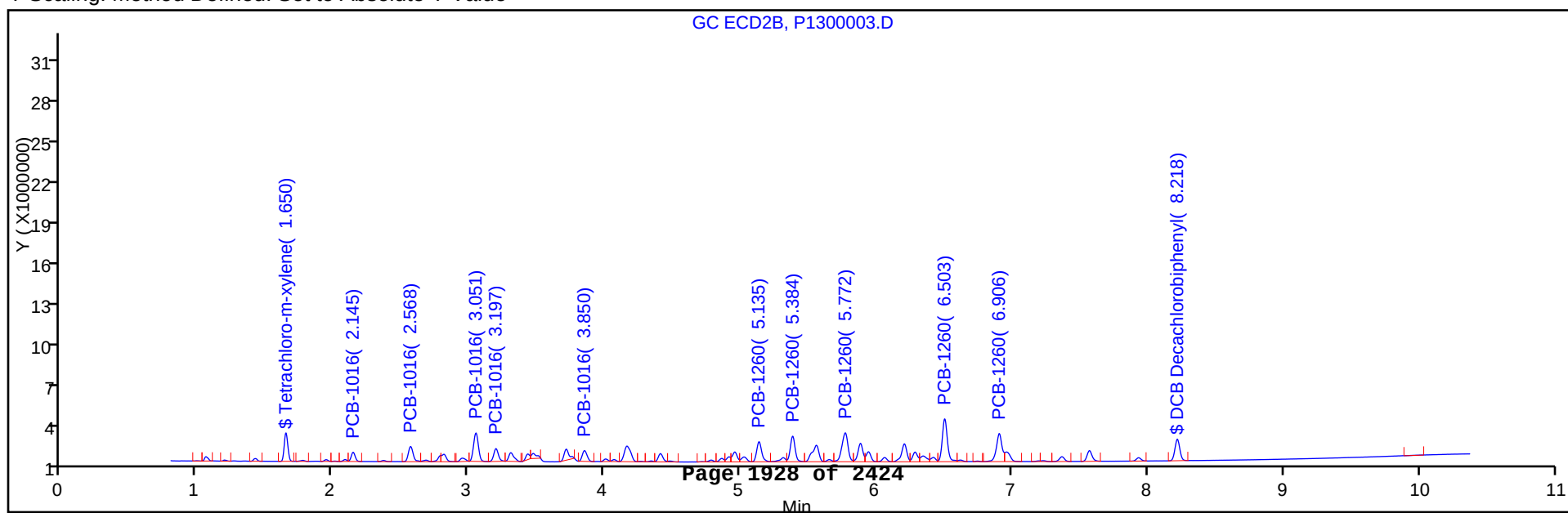
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-17525-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MRL 240-66323/3
 Matrix: Solid Lab File ID: P1300003.D
 Analysis Method: 8082/DOD Date Collected: _____
 Extraction Method: _____ Date Extracted: _____
 Sample wt/vol: 1(mL) Date Analyzed: 11/27/2012 02:07
 Con. Extract Vol.: 1.0(mL) Dilution Factor: 1
 Injection Volume: 1(1/cm) GC Column: CLP-2 ID: 0.53(mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 66323 Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
11104-28-2	Aroclor-1221	0.00020	U	0.050	0.00020	0.013
12674-11-2	Aroclor-1016	0.0579		0.050	0.00020	0.017
11141-16-5	Aroclor-1232	0.00020	U	0.050	0.00020	0.016
53469-21-9	Aroclor-1242	0.00040	U	0.050	0.00040	0.022
12672-29-6	Aroclor-1248	0.00020	U	0.050	0.00020	0.010
11097-69-1	Aroclor-1254	0.00020	U	0.050	0.00020	0.016
11096-82-5	Aroclor-1260	0.0503		0.050	0.00020	0.017

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	107		50-150
2051-24-3	DCB Decachlorobiphenyl	117		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP13\20121126-15278.b\P1300003.D
 Lims ID: MRL Client ID:
 Inject. Date: 27-Nov-2012 02:07:01 Dil. Factor: 1.0000
 Sample Type: MRL
 Sample ID: 240-0015278-003
 Misc. Info.:
 Operator: Instrument ID: A2HP13
 Injection Vol: 1.0 1/cm ALS Bottle#: 3
 Lims Batch ID: 66323 Lims Sample ID: 3
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCCChrom\ChromData\A2HP13\20121126-15278.b\PCB13.m
 Last Update: 27-Nov-2012 12:22:03 Calib Date: 22-Oct-2012 03:04:38
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK003

First Level Reviewer: hassl

Date: 27-Nov-2012 12:12:52

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

S 1 Polychlorinated biphenyls, Total

7

1 100 1.000

\$ 2 Tetrachloro-m-xylene

1 44 1.293 1.293 0.000 6500269 0.002847

2 2 1.650 1.650 0.000 3855400 0.002683

RPD = 5.95

3 PCB-1221

1 2 1.440

1 3 1.593

1 4 1.558

2 4 1.947

2 5 2.087

2 6 2.145

4 PCB-1232

1 100 1.558

1 2 1.901

1 3 2.328

1 4 2.458

1 5 2.873

2 6 2.145

2 7 2.568

2 8 3.051

2 9 3.197

2 10 3.850

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

5 PCB-1242

1	100	1.593
1	2	1.901
1	3	2.328
1	4	2.458
1	5	2.873
2	6	2.145
2	7	2.568
2	8	3.051
2	9	3.197
2	10	3.716

6 PCB-1016

1	100	1.593	1.593	0.000	2372633	0.0584		100.0
1	2	1.901	1.901	0.000	4143529	0.0576	149.3- 199.3	174.6
1	3	2.328	2.328	0.000	8424025	0.0543	350.2- 400.2	355.0
1	4	2.458	2.458	0.000	3392479	0.0526	130.7- 180.7	143.0
1	5	2.873	2.873	0.000	3678526	0.0542	137.9- 187.9	155.0
Average of Peak Amounts =						0.0554		
2	6	2.145	2.145	0.000	1387089	0.0617		100.0
2	7	2.568	2.568	0.000	2768737	0.0590	176.5- 236.5	199.6
2	8	3.051	3.051	0.000	5171478	0.0569	362.5- 422.5	372.8
2	9	3.197	3.197	0.000	2243756	0.0580	137.9- 197.9	161.8
2	10	3.850	3.850	0.000	1949828	0.0541	118.8- 178.8	140.6

Average of Peak Amounts = 0.0579

RPD = 4.43

7 PCB-1248

1	86	1.901
1	2	2.328
1	3	2.873
1	4	3.499
1	5	3.963
2	6	2.568
2	7	3.051
2	8	3.716
2	9	3.850
2	10	4.913

8 PCB-1254

1	100	3.548
1	2	3.963
1	3	4.266
1	4	4.474
1	5	4.773
2	6	4.409
2	7	4.913
2	8	5.135
2	9	5.559
2	10	5.772

Data File: \\NCC\Chrom\ChromData\A2HP13\20121126-15278.b\P1300003.D

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

10 PCB-1260

1	100	4.167	4.167	0.000	5499571	0.0543		100.0	
1	2	4.474	4.474	0.000	11137024	0.0555	175.1- 225.1	202.5	
1	3	4.773	4.773	0.000	10813531	0.0541	173.2- 223.2	196.6	
1	4	5.525	5.525	0.000	14959380	0.0550	244.1- 294.1	272.0	
1	5	5.830	5.830	0.000	6754773	0.0523	101.5- 151.5	122.8	
Average of Peak Amounts =						0.0542			
2	6	5.135	5.135	0.000	3785839	0.0568		100.0	
2	7	5.384	5.384	0.000	4635060	0.0224	86.6- 146.6	122.4	
2	8	5.772	5.772	0.000	6665224	0.0570	142.9- 202.9	176.1	
2	9	6.503	6.503	0.000	8240392	0.0579	179.5- 239.5	217.7	
2	10	6.906	6.906	0.000	5958093	0.0572	121.8- 181.8	157.4	
Average of Peak Amounts =						0.0503			

RPD = 7.56

9 PCB-1262

1	100		4.474						
1	2		4.908						
1	3		5.173						
1	4		5.525						
1	5		5.881						
2	6		5.384						
2	7		5.883						
2	8		6.207						
2	9		6.503						
2	10		6.906						

11 PCB-1268

1	100		5.884						
1	2		5.920						
1	3		6.135						
1	4		6.539						
1	5		6.857						
2	6		6.904						
2	7		6.954						
2	8		7.233						
2	9		7.571						
2	10		7.932						

\$ 12 DCB Decachlorobiphenyl

1	100	7.065	7.065	0.000	6613959	0.002833			
2	2	8.218	8.218	0.000	3938543	0.002924			

RPD = 3.17

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP13\20121126-15278.b\P1300003.D

Injection Date: 27-Nov-2012 02:07:01

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP13

Lims Batch ID: 66323

Lims Sample ID: 3

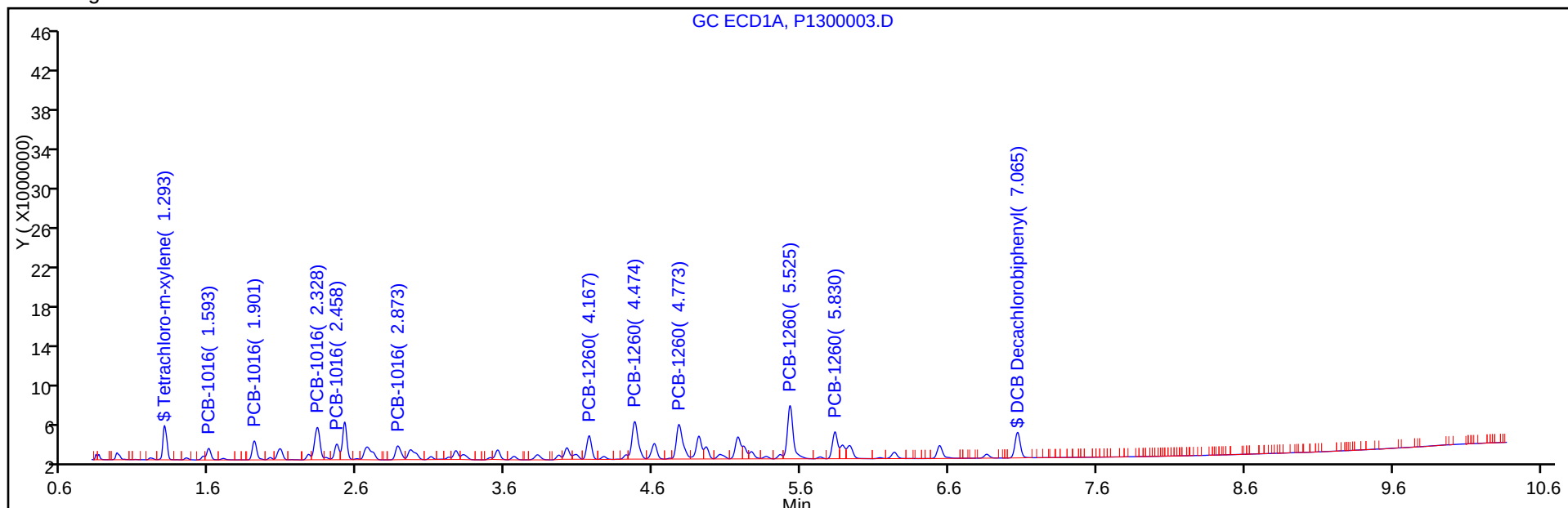
Operator ID:

Injection Vol: 1.0 1/cm

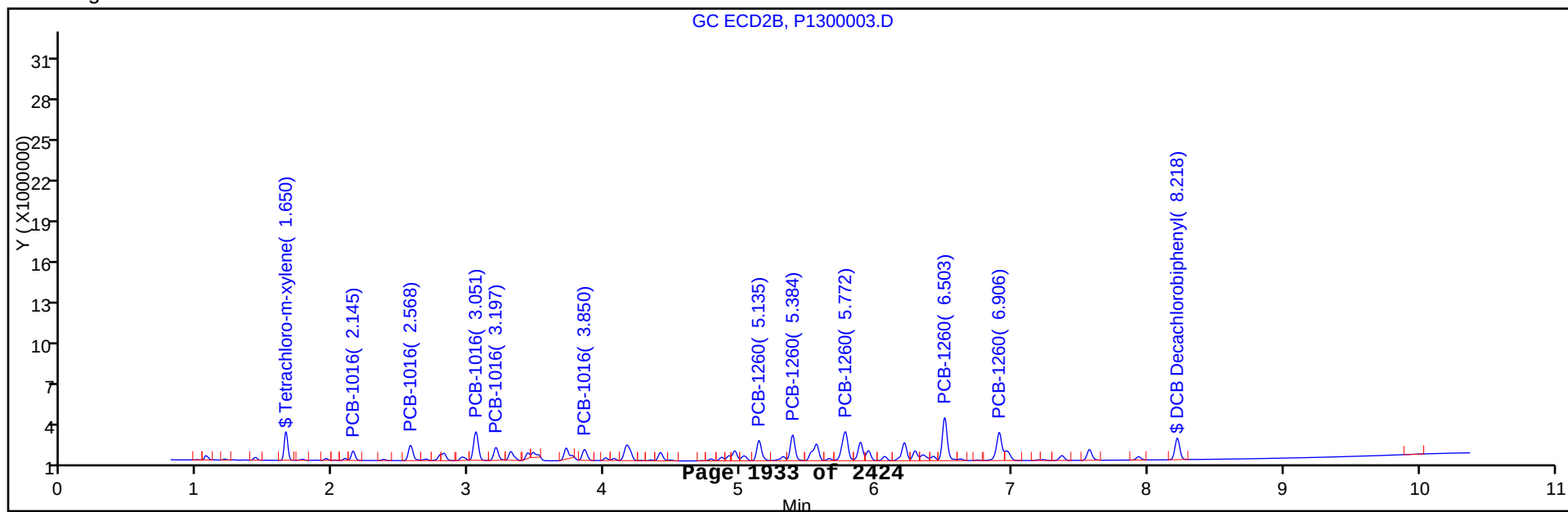
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-17525-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MRL 240-66323/31
 Matrix: Solid Lab File ID: P1300031.D
 Analysis Method: 8082/DOD Date Collected: _____
 Extraction Method: _____ Date Extracted: _____
 Sample wt/vol: 1(mL) Date Analyzed: 11/27/2012 09:04
 Con. Extract Vol.: 1.0(mL) Dilution Factor: 1
 Injection Volume: 1(1/cm) GC Column: CLP-1 ID: 0.53(mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 66323 Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
11104-28-2	Aroclor-1221	0.00020	U	0.050	0.00020	0.013
12674-11-2	Aroclor-1016	0.0560		0.050	0.00020	0.017
11141-16-5	Aroclor-1232	0.00020	U	0.050	0.00020	0.016
53469-21-9	Aroclor-1242	0.00040	U	0.050	0.00040	0.022
12672-29-6	Aroclor-1248	0.00020	U	0.050	0.00020	0.010
11097-69-1	Aroclor-1254	0.00020	U	0.050	0.00020	0.016
11096-82-5	Aroclor-1260	0.0494	J	0.050	0.00020	0.017

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	118		50-150
2051-24-3	DCB Decachlorobiphenyl	109		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP13\20121126-15278.b\P1300031.D
 Lims ID: MRL Client ID:
 Inject. Date: 27-Nov-2012 09:04:49 Dil. Factor: 1.0000
 Sample Type: MRL
 Sample ID: 240-0015278-031
 Misc. Info.:
 Operator: Instrument ID: A2HP13
 Injection Vol: 1.0 1/cm ALS Bottle#: 31
 Lims Batch ID: 66323 Lims Sample ID: 31
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCCChrom\ChromData\A2HP13\20121126-15278.b\PCB13.m
 Last Update: 27-Nov-2012 09:54:40 Calib Date: 22-Oct-2012 03:04:38
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK003

First Level Reviewer: hassl

Date: 27-Nov-2012 09:53:28

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
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S 1 Polychlorinated biphenyls, Total

7

1 100 1.000

\$ 2 Tetrachloro-m-xylene

1 44 1.293 1.294 -0.001 6757688 0.002960

2 2 1.648 1.648 0.000 3894241 0.002710

RPD = 8.83

3 PCB-1221

1 2 1.441

1 3 1.593

1 4 1.555

2 4 1.946

2 5 2.086

2 6 2.146

4 PCB-1232

1 100 1.557

1 2 1.900

1 3 2.327

1 4 2.459

1 5 2.872

2 6 2.145

2 7 2.567

2 8 3.050

2 9 3.198

2 10 3.851

Data File: \\NCC\Chrom\ChromData\A2HP13\20121126-15278.b\P1300031.D

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									
1	100		1.591						
1	2		1.901						
1	3		2.328						
1	4		2.459						
1	5		2.873						
2	6		2.145						
2	7		2.568						
2	8		3.050						
2	9		3.198						
2	10		3.716						
6 PCB-1016									
1	100	1.593	1.593	0.000	2430668	0.0598		100.0	
1	2	1.902	1.903	-0.001	4240405	0.0590	149.3- 199.3	174.5	
1	3	2.329	2.329	0.000	8818517	0.0568	350.2- 400.2	362.8	
1	4	2.461	2.461	0.000	3498836	0.0543	130.7- 180.7	143.9	
1	5	2.874	2.876	-0.002	3401230	0.0501	137.9- 187.9	139.9	
			Average of Peak Amounts =			0.0560			
2	6	2.144	2.144	0.000	1386647	0.0617		100.0	
2	7	2.567	2.568	-0.001	2731353	0.0582	176.5- 236.5	197.0	
2	8	3.050	3.050	0.000	5339779	0.0588	362.5- 422.5	385.1	
2	9	3.197	3.199	-0.002	2247202	0.0580	137.9- 197.9	162.1	
2	10	3.850	3.850	0.000	1948131	0.0540	118.8- 178.8	140.5	
			Average of Peak Amounts =			0.0582			
						RPD = 3.77			
7 PCB-1248									
1	86		1.899						
1	2		2.326						
1	3		2.872						
1	4		3.494						
1	5		3.963						
2	6		2.567						
2	7		3.048						
2	8		3.717						
2	9		3.848						
2	10		4.913						
8 PCB-1254									
1	100		3.547						
1	2		3.962						
1	3		4.267						
1	4		4.474						
1	5		4.776						
2	6		4.409						
2	7		4.913						
2	8		5.176						
2	9		5.557						
2	10		5.774						

Data File: \\NCC\Chrom\ChromData\A2HP13\20121126-15278.b\P1300031.D

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
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10 PCB-1260

1	100	4.171	4.170	0.001	5628147	0.0555		100.0	
1	2	4.477	4.479	-0.002	9872997	0.0492	175.1- 225.1	175.4	
1	3	4.779	4.778	0.001	10164705	0.0508	173.2- 223.2	180.6	
1	4	5.529	5.529	0.000	13630232	0.0501	244.1- 294.1	242.2	
1	5	5.832	5.832	0.000	5351738	0.0414	101.5- 151.5	95.1	
Average of Peak Amounts =						0.0494			
2	6	5.136	5.136	0.000	3731060	0.0560		100.0	
2	7	5.383	5.384	-0.001	4511294	0.0207	86.6- 146.6	120.9	
2	8	5.773	5.771	0.002	6559497	0.0561	142.9- 202.9	175.8	
2	9	6.505	6.505	0.000	8382698	0.0589	179.5- 239.5	224.7	
2	10	6.906	6.907	-0.001	5961049	0.0572	121.8- 181.8	159.8	
Average of Peak Amounts =						0.0498			

RPD = 0.73

9 PCB-1262

1	100		4.477						
1	2		4.910						
1	3		5.174						
1	4		5.526						
1	5		5.882						
2	6		5.383						
2	7		5.883						
2	8		6.206						
2	9		6.503						
2	10		6.905						

11 PCB-1268

1	100		5.884						
1	2		5.920						
1	3		6.135						
1	4		6.539						
1	5		6.857						
2	6		6.904						
2	7		6.954						
2	8		7.233						
2	9		7.571						
2	10		7.932						

\$ 12 DCB Decachlorobiphenyl

1	100	7.068	7.067	0.001	6372380	0.002729			
2	2	8.218	8.219	-0.001	3769036	0.002798			

RPD = 2.49

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP13\201211126-15278.b\P1300031.D

Injection Date: 27-Nov-2012 09:04:49

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP13

Lims Batch ID: 66323

Lims Sample ID: 31

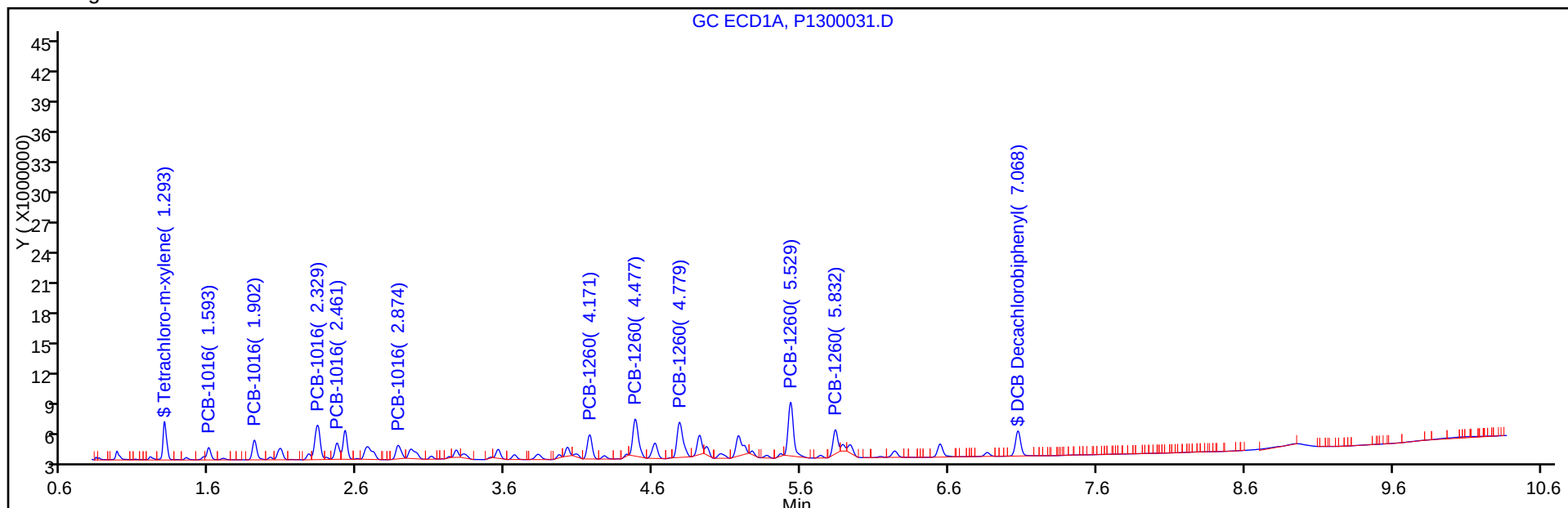
Operator ID:

Injection Vol: 1.0 1/cm

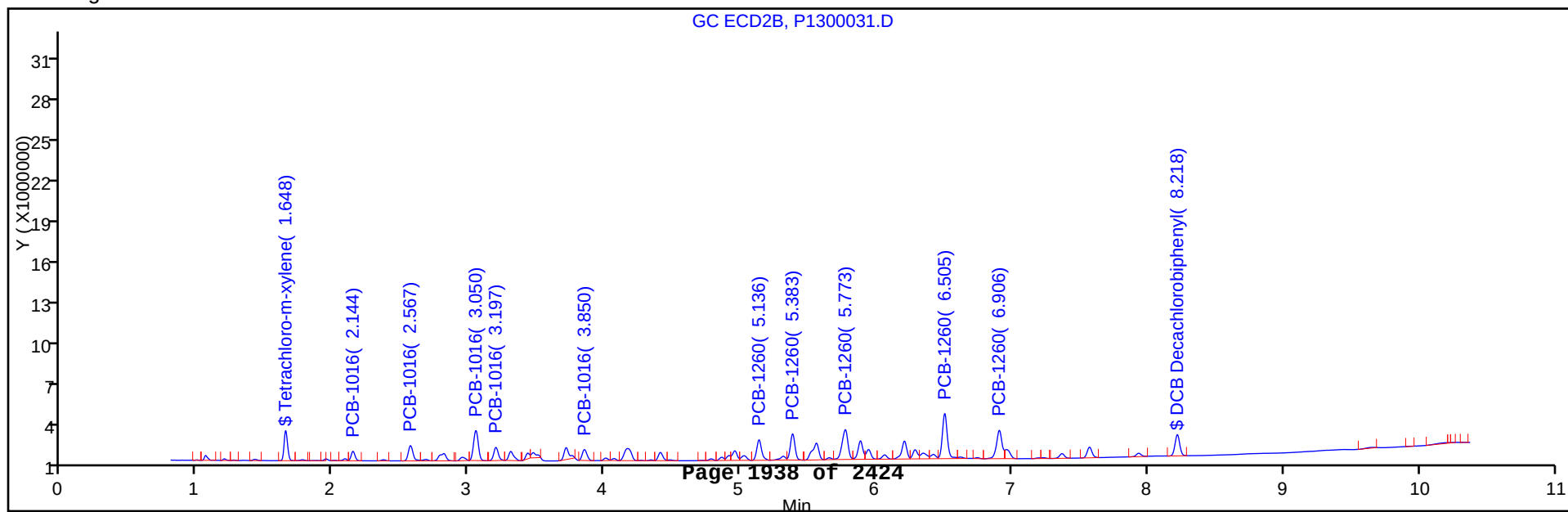
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-17525-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MRL 240-66323/31
 Matrix: Solid Lab File ID: P1300031.D
 Analysis Method: 8082/DOD Date Collected: _____
 Extraction Method: _____ Date Extracted: _____
 Sample wt/vol: 1(mL) Date Analyzed: 11/27/2012 09:04
 Con. Extract Vol.: 1.0(mL) Dilution Factor: 1
 Injection Volume: 1(1/cm) GC Column: CLP-2 ID: 0.53(mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 66323 Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
11104-28-2	Aroclor-1221	0.00020	U	0.050	0.00020	0.013
12674-11-2	Aroclor-1016	0.0582		0.050	0.00020	0.017
11141-16-5	Aroclor-1232	0.00020	U	0.050	0.00020	0.016
53469-21-9	Aroclor-1242	0.00040	U	0.050	0.00040	0.022
12672-29-6	Aroclor-1248	0.00020	U	0.050	0.00020	0.010
11097-69-1	Aroclor-1254	0.00020	U	0.050	0.00020	0.016
11096-82-5	Aroclor-1260	0.0498	J	0.050	0.00020	0.017

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	108		50-150
2051-24-3	DCB Decachlorobiphenyl	112		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP13\20121126-15278.b\P1300031.D
 Lims ID: MRL Client ID:
 Inject. Date: 27-Nov-2012 09:04:49 Dil. Factor: 1.0000
 Sample Type: MRL
 Sample ID: 240-0015278-031
 Misc. Info.:
 Operator: Instrument ID: A2HP13
 Injection Vol: 1.0 1/cm ALS Bottle#: 31
 Lims Batch ID: 66323 Lims Sample ID: 31
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCCChrom\ChromData\A2HP13\20121126-15278.b\PCB13.m
 Last Update: 27-Nov-2012 09:54:40 Calib Date: 22-Oct-2012 03:04:38
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK003

First Level Reviewer: hassl

Date: 27-Nov-2012 09:53:28

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

S 1 Polychlorinated biphenyls, Total

7

1 100 1.000

\$ 2 Tetrachloro-m-xylene

1 44 1.293 1.294 -0.001 6757688 0.002960

2 2 1.648 1.648 0.000 3894241 0.002710

RPD = 8.83

3 PCB-1221

1 2 1.441

1 3 1.593

1 4 1.555

2 4 1.946

2 5 2.086

2 6 2.146

4 PCB-1232

1 100 1.557

1 2 1.900

1 3 2.327

1 4 2.459

1 5 2.872

2 6 2.145

2 7 2.567

2 8 3.050

2 9 3.198

2 10 3.851

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

5 PCB-1242

1	100	1.591
1	2	1.901
1	3	2.328
1	4	2.459
1	5	2.873
2	6	2.145
2	7	2.568
2	8	3.050
2	9	3.198
2	10	3.716

6 PCB-1016

1	100	1.593	1.593	0.000	2430668	0.0598		100.0
1	2	1.902	1.903	-0.001	4240405	0.0590	149.3- 199.3	174.5
1	3	2.329	2.329	0.000	8818517	0.0568	350.2- 400.2	362.8
1	4	2.461	2.461	0.000	3498836	0.0543	130.7- 180.7	143.9
1	5	2.874	2.876	-0.002	3401230	0.0501	137.9- 187.9	139.9
Average of Peak Amounts =						0.0560		
2	6	2.144	2.144	0.000	1386647	0.0617		100.0
2	7	2.567	2.568	-0.001	2731353	0.0582	176.5- 236.5	197.0
2	8	3.050	3.050	0.000	5339779	0.0588	362.5- 422.5	385.1
2	9	3.197	3.199	-0.002	2247202	0.0580	137.9- 197.9	162.1
2	10	3.850	3.850	0.000	1948131	0.0540	118.8- 178.8	140.5
Average of Peak Amounts =						0.0582		

RPD = 3.77

7 PCB-1248

1	86	1.899
1	2	2.326
1	3	2.872
1	4	3.494
1	5	3.963
2	6	2.567
2	7	3.048
2	8	3.717
2	9	3.848
2	10	4.913

8 PCB-1254

1	100	3.547
1	2	3.962
1	3	4.267
1	4	4.474
1	5	4.776
2	6	4.409
2	7	4.913
2	8	5.176
2	9	5.557
2	10	5.774

Data File: \\NCC\Chrom\ChromData\A2HP13\20121126-15278.b\P1300031.D

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

10 PCB-1260

1	100	4.171	4.170	0.001	5628147	0.0555		100.0	
1	2	4.477	4.479	-0.002	9872997	0.0492	175.1- 225.1	175.4	
1	3	4.779	4.778	0.001	10164705	0.0508	173.2- 223.2	180.6	
1	4	5.529	5.529	0.000	13630232	0.0501	244.1- 294.1	242.2	
1	5	5.832	5.832	0.000	5351738	0.0414	101.5- 151.5	95.1	
Average of Peak Amounts =						0.0494			
2	6	5.136	5.136	0.000	3731060	0.0560		100.0	
2	7	5.383	5.384	-0.001	4511294	0.0207	86.6- 146.6	120.9	
2	8	5.773	5.771	0.002	6559497	0.0561	142.9- 202.9	175.8	
2	9	6.505	6.505	0.000	8382698	0.0589	179.5- 239.5	224.7	
2	10	6.906	6.907	-0.001	5961049	0.0572	121.8- 181.8	159.8	
Average of Peak Amounts =						0.0498			

RPD = 0.73

9 PCB-1262

1	100		4.477						
1	2		4.910						
1	3		5.174						
1	4		5.526						
1	5		5.882						
2	6		5.383						
2	7		5.883						
2	8		6.206						
2	9		6.503						
2	10		6.905						

11 PCB-1268

1	100		5.884						
1	2		5.920						
1	3		6.135						
1	4		6.539						
1	5		6.857						
2	6		6.904						
2	7		6.954						
2	8		7.233						
2	9		7.571						
2	10		7.932						

\$ 12 DCB Decachlorobiphenyl

1	100	7.068	7.067	0.001	6372380	0.002729			
2	2	8.218	8.219	-0.001	3769036	0.002798			

RPD = 2.49

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP13\201211126-15278.b\P1300031.D

Injection Date: 27-Nov-2012 09:04:49

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP13

Lims Batch ID: 66323

Lims Sample ID: 31

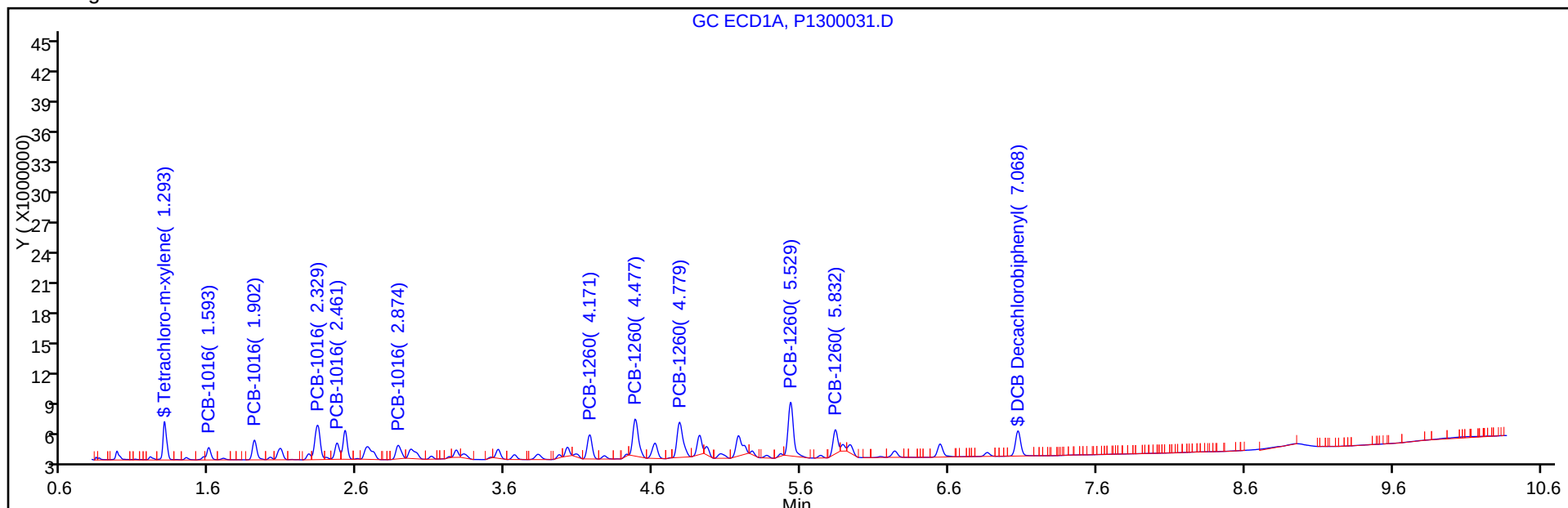
Operator ID:

Injection Vol: 1.0 1/cm

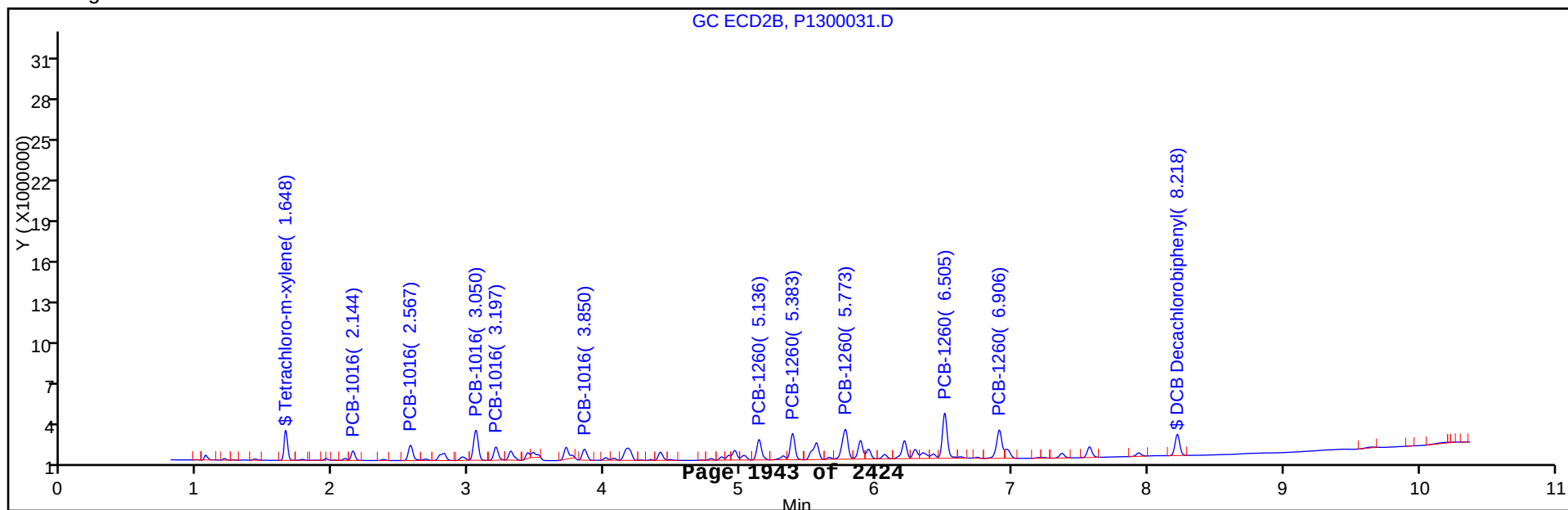
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-17525-1
SDG No.: _____
Client Sample ID: 069SS-0001M-0001-S0 MS Lab Sample ID: 240-17525-1 MS
Matrix: Solid Lab File ID: P1300022.D
Analysis Method: 8082/DOD Date Collected: 11/11/2012 09:15
Extraction Method: 3540C Date Extracted: 11/20/2012 11:06
Sample wt/vol: 30.04(g) Date Analyzed: 11/27/2012 06:50
Con. Extract Vol.: 10(mL) Dilution Factor: 1
Injection Volume: 1(1/cm) GC Column: CLP-1 ID: 0.53(mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 66323 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	66		40-140
2051-24-3	DCB Decachlorobiphenyl	72		60-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121126-15278.b\P1300022.D
 Lims ID: 240-17525-A-1-G MS Client ID: 069SS-0001M-0002-S0
 Inject. Date: 27-Nov-2012 06:50:35 Dil. Factor: 1.0000
 Sample Type: MS
 Sample ID: 240-0015278-022
 Misc. Info.:
 Operator: Instrument ID: A2HP13
 Injection Vol: 1.0 1/cm ALS Bottle#: 22
 Lims Batch ID: 66323 Lims Sample ID: 22
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCChrom\ChromData\A2HP13\20121126-15278.b\PCB13.m
 Last Update: 27-Nov-2012 09:54:27 Calib Date: 22-Oct-2012 03:04:38
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK003

First Level Reviewer: hassl

Date: 27-Nov-2012 09:43:28

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

S 1 Polychlorinated biphenyls, Total

7

1 100 1.000

\$ 2 Tetrachloro-m-xylene

1 44 1.294 1.293 0.001 30314727 0.0133

2 2 1.650 1.648 0.002 19521705 0.0136

RPD = 2.27

3 PCB-1221

1

1 2 1.441

1 3 1.593

1 4 1.555

2 4 1.946

2 5 2.086

2 6 2.146

4 PCB-1232

1 100 1.557

1 2 1.900

1 3 2.327

1 4 2.459

1 5 2.872

2 6 2.145

2 7 2.567

2 8 3.050

2 9 3.198

2 10 3.851

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

5 PCB-1242

1	100	1.591
1	2	1.901
1	3	2.328
1	4	2.459
1	5	2.873
2	6	2.145
2	7	2.568
2	8	3.050
2	9	3.198
2	10	3.716

6 PCB-1016

1	100	1.592	1.593	-0.001	25838364	0.6355		100.0	M
1	2	1.902	1.902	0.000	47076854	0.6550	149.3- 199.3	182.2	M
1	3	2.328	2.329	-0.001	102681780	0.6615	350.2- 400.2	397.4	
1	4	2.459	2.460	-0.001	42934148	0.6659	130.7- 180.7	166.2	
1	5	2.873	2.873	0.000	40777999	0.6010	137.9- 187.9	157.8	
Average of Peak Amounts =						0.6438			
2	6	2.146	2.144	0.002	15704754	0.6988		100.0	
2	7	2.570	2.567	0.003	31490573	0.6713	176.5- 236.5	200.5	
2	8	3.051	3.049	0.002	70545773	0.7764	362.5- 422.5	449.2	
2	9	3.198	3.198	0.000	26903928	0.6949	137.9- 197.9	171.3	
2	10	3.850	3.849	0.001	23516643	0.6520	118.8- 178.8	149.7	
Average of Peak Amounts =						0.6987			

RPD = 8.18

7 PCB-1248

1	86	1.899
1	2	2.326
1	3	2.872
1	4	3.494
1	5	3.963
2	6	2.567
2	7	3.048
2	8	3.717
2	9	3.848
2	10	4.913

8 PCB-1254

1	100	3.547
1	2	3.962
1	3	4.267
1	4	4.474
1	5	4.776
2	6	4.409
2	7	4.913
2	8	5.176
2	9	5.557
2	10	5.774

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

10 PCB-1260

1	100	4.166	4.168	-0.002	57573054	0.5680		100.0	
1	2	4.475	4.478	-0.003	123830075	0.6172	175.1- 225.1	215.1	
1	3	4.774	4.777	-0.003	128766551	0.6437	173.2- 223.2	223.7	
1	4	5.526	5.528	-0.002	158562248	0.5834	244.1- 294.1	275.4	
1	5	5.828	5.830	-0.002	79562396	0.6160	101.5- 151.5	138.2	
Average of Peak Amounts =						0.6057			
2	6	5.136	5.135	0.001	45559581	0.6836		100.0	
2	7	5.384	5.383	0.001	57697644	0.7784	86.6- 146.6	126.6	
2	8	5.772	5.771	0.001	87531703	0.7492	142.9- 202.9	192.1	
2	9	6.504	6.503	0.001	105983328	0.7448	179.5- 239.5	232.6	
2	10	6.906	6.905	0.001	75332607	0.7234	121.8- 181.8	165.3	
Average of Peak Amounts =						0.7359			
RPD = 19.41									

9 PCB-1262

1	100		4.477						
1	2		4.910						
1	3		5.174						
1	4		5.526						
1	5		5.882						
2	6		5.383						
2	7		5.883						
2	8		6.206						
2	9		6.503						
2	10		6.905						

11 PCB-1268

1	100		5.884						
1	2		5.920						
1	3		6.135						
1	4		6.539						
1	5		6.857						
2	6		6.904						
2	7		6.954						
2	8		7.233						
2	9		7.571						
2	10		7.932						

\$ 12 DCB Decachlorobiphenyl

1	100	7.064	7.065	-0.001	33627713	0.0144			
2	2	8.217	8.218	-0.001	22756598	0.0169			

RPD = 15.92

QC Flag Legend

Processing Flags

1 - Missing Peaks

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

Report Date: 27-Nov-2012 09:54:30

Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\NCCrom\ChromData\A2HP13\20121126-15278.b\P1300022.D

Injection Date: 27-Nov-2012 06:50:35

Limit Group: GC 8082A ICAL

Client ID: 069SS-0001M-0002-S0

Instrument ID: A2HP13

Lims Batch ID: 66323

Lims Sample ID: 22

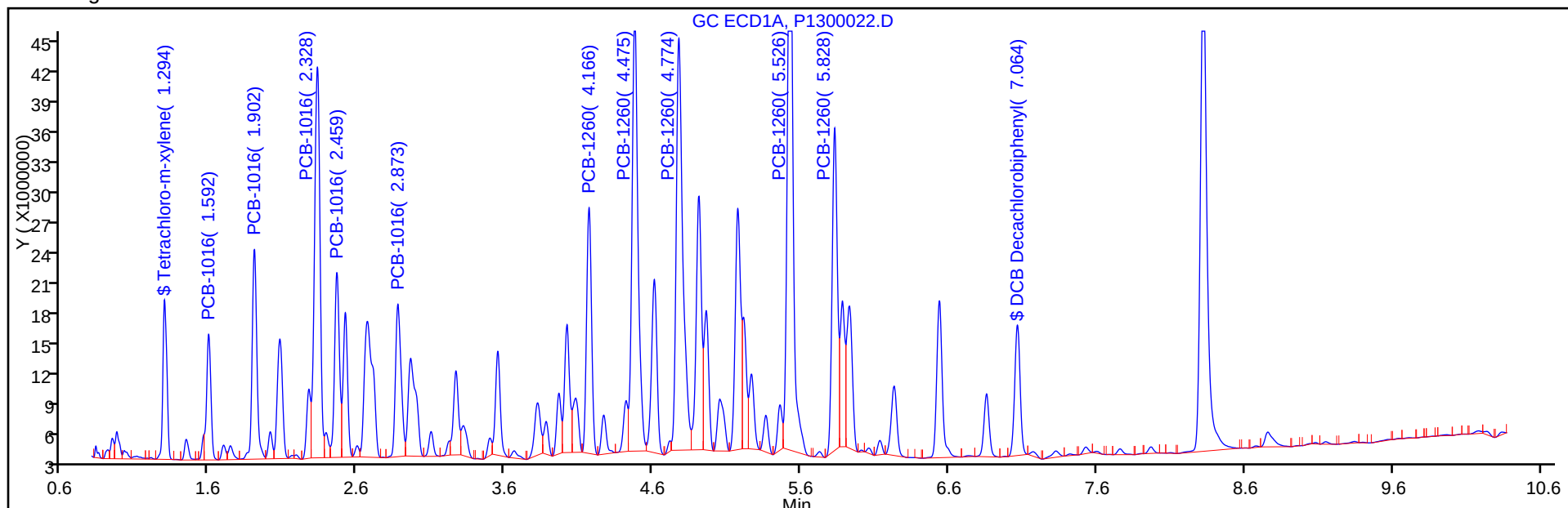
Operator ID:

Injection Vol: 1.0 1/cm

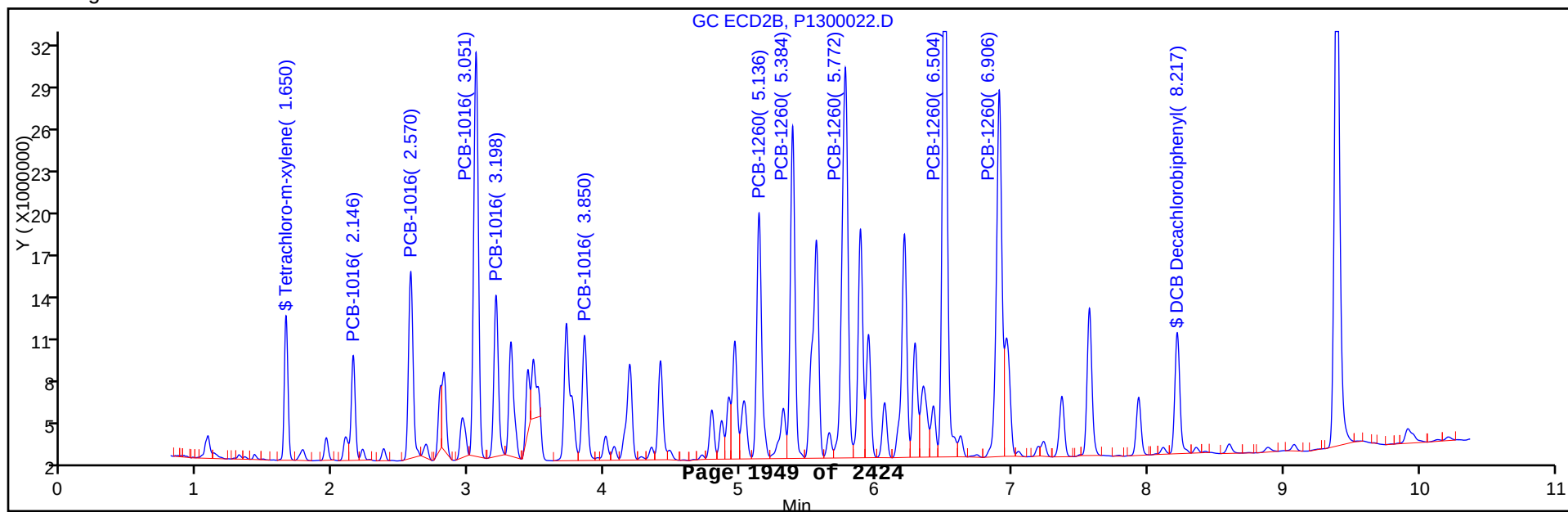
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP13\20121126-15278.b\P1300022.D

Injection Date: 27-Nov-2012 06:50:35

Limit Group: GC 8082A ICAL

Client ID: 069SS-0001M-0002-S0

Instrument ID: A2HP13

Lims Batch ID: 66323

Lims Sample ID: 22

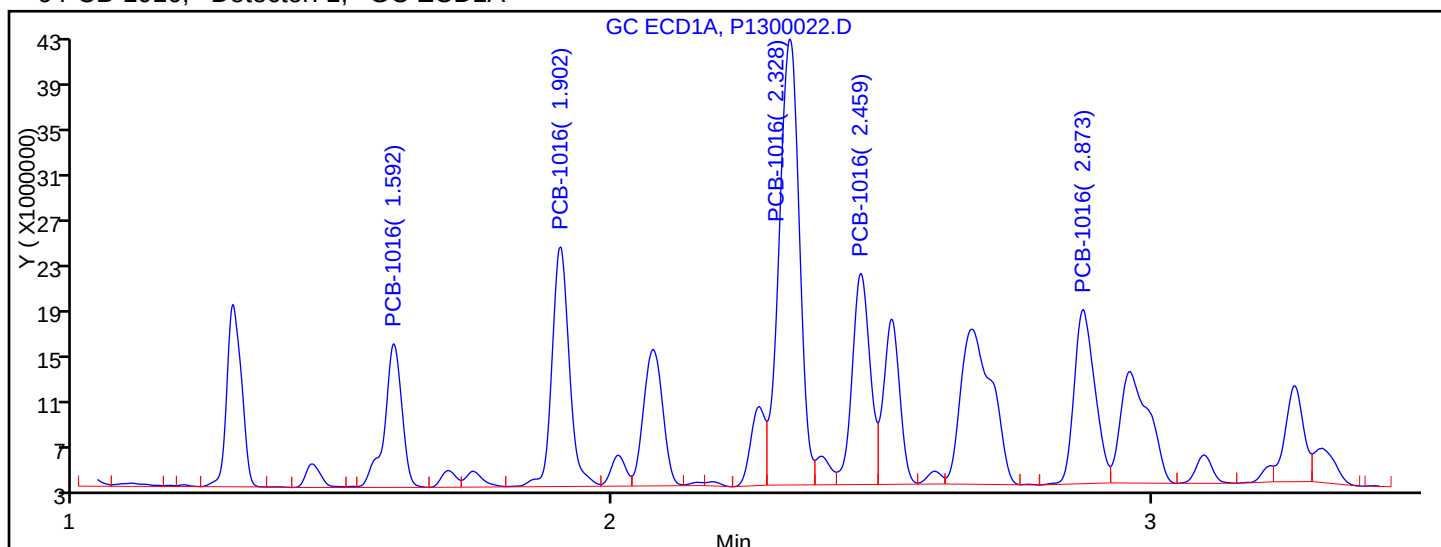
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Injection Vol: 1.0 μ l

Column Type:

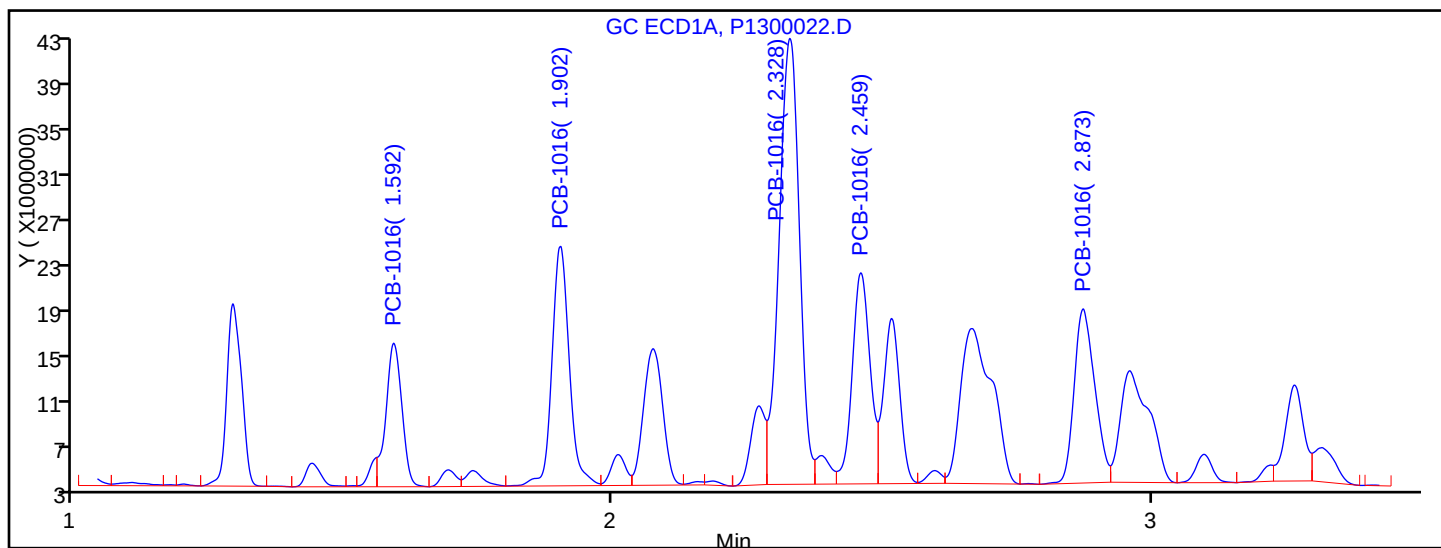
Column Dia:

6 PCB-1016, Detector: 1, GC ECD1A



Processing Integration Results

RT = 1.592	Response = 28298800	M
RT = 1.902	Response = 47076854	
RT = 2.328	Response = 102681780	
RT = 2.459	Response = 42934148	
RT = 2.873	Response = 40777999	



Manual Integration Results

RT = 1.592	Response = 25838364	M
RT = 1.902	Response = 47076854	
RT = 2.328	Response = 102681780	
RT = 2.459	Response = 42934148	
RT = 2.873	Response = 40777999	

Reviewer: hassl, 27-Nov-2012 09:43:28

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-17525-1
 SDG No.: _____
 Client Sample ID: 069SS-0001M-0001-S0 MS Lab Sample ID: 240-17525-1 MS
 Matrix: Solid Lab File ID: P1300022.D
 Analysis Method: 8082/DOD Date Collected: 11/11/2012 09:15
 Extraction Method: 3540C Date Extracted: 11/20/2012 11:06
 Sample wt/vol: 30.04(g) Date Analyzed: 11/27/2012 06:50
 Con. Extract Vol.: 10(mL) Dilution Factor: 1
 Injection Volume: 1(1/cm) GC Column: CLP-2 ID: 0.53(mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 66323 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
11104-28-2	Aroclor-1221	25	U	50	25	16
12674-11-2	Aroclor-1016	233		65	25	21
11141-16-5	Aroclor-1232	25	U	45	25	14
53469-21-9	Aroclor-1242	25	U	40	25	13
12672-29-6	Aroclor-1248	25	U	55	25	17
11097-69-1	Aroclor-1254	25	U	55	25	17
11096-82-5	Aroclor-1260	245		55	25	17

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	68		40-140
2051-24-3	DCB Decachlorobiphenyl	84		60-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121126-15278.b\P1300022.D
 Lims ID: 240-17525-A-1-G MS Client ID: 069SS-0001M-0002-S0
 Inject. Date: 27-Nov-2012 06:50:35 Dil. Factor: 1.0000
 Sample Type: MS
 Sample ID: 240-0015278-022
 Misc. Info.:
 Operator: Instrument ID: A2HP13
 Injection Vol: 1.0 1/cm ALS Bottle#: 22
 Lims Batch ID: 66323 Lims Sample ID: 22
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCChrom\ChromData\A2HP13\20121126-15278.b\PCB13.m
 Last Update: 27-Nov-2012 09:54:27 Calib Date: 22-Oct-2012 03:04:38
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK003

First Level Reviewer: hassl

Date: 27-Nov-2012 09:43:28

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

S 1 Polychlorinated biphenyls, Total

7

1 100 1.000

\$ 2 Tetrachloro-m-xylene

1 44 1.294 1.293 0.001 30314727 0.0133

2 2 1.650 1.648 0.002 19521705 0.0136

RPD = 2.27

3 PCB-1221

1

1 2 1.441

1 3 1.593

1 4 1.555

2 4 1.946

2 5 2.086

2 6 2.146

4 PCB-1232

1 100 1.557

1 2 1.900

1 3 2.327

1 4 2.459

1 5 2.872

2 6 2.145

2 7 2.567

2 8 3.050

2 9 3.198

2 10 3.851

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									
1	100		1.591						
1	2		1.901						
1	3		2.328						
1	4		2.459						
1	5		2.873						
2	6		2.145						
2	7		2.568						
2	8		3.050						
2	9		3.198						
2	10		3.716						
6 PCB-1016									
1	100	1.592	1.593	-0.001	25838364	0.6355		100.0	M
1	2	1.902	1.902	0.000	47076854	0.6550	149.3- 199.3	182.2	M
1	3	2.328	2.329	-0.001	102681780	0.6615	350.2- 400.2	397.4	
1	4	2.459	2.460	-0.001	42934148	0.6659	130.7- 180.7	166.2	
1	5	2.873	2.873	0.000	40777999	0.6010	137.9- 187.9	157.8	
Average of Peak Amounts =						0.6438			
2	6	2.146	2.144	0.002	15704754	0.6988		100.0	
2	7	2.570	2.567	0.003	31490573	0.6713	176.5- 236.5	200.5	
2	8	3.051	3.049	0.002	70545773	0.7764	362.5- 422.5	449.2	
2	9	3.198	3.198	0.000	26903928	0.6949	137.9- 197.9	171.3	
2	10	3.850	3.849	0.001	23516643	0.6520	118.8- 178.8	149.7	
Average of Peak Amounts =						0.6987			
						RPD = 8.18			
7 PCB-1248									
1	86		1.899						
1	2		2.326						
1	3		2.872						
1	4		3.494						
1	5		3.963						
2	6		2.567						
2	7		3.048						
2	8		3.717						
2	9		3.848						
2	10		4.913						
8 PCB-1254									
1	100		3.547						
1	2		3.962						
1	3		4.267						
1	4		4.474						
1	5		4.776						
2	6		4.409						
2	7		4.913						
2	8		5.176						
2	9		5.557						
2	10		5.774						

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

10 PCB-1260

1	100	4.166	4.168	-0.002	57573054	0.5680		100.0	
1	2	4.475	4.478	-0.003	123830075	0.6172	175.1- 225.1	215.1	
1	3	4.774	4.777	-0.003	128766551	0.6437	173.2- 223.2	223.7	
1	4	5.526	5.528	-0.002	158562248	0.5834	244.1- 294.1	275.4	
1	5	5.828	5.830	-0.002	79562396	0.6160	101.5- 151.5	138.2	
Average of Peak Amounts =						0.6057			
2	6	5.136	5.135	0.001	45559581	0.6836		100.0	
2	7	5.384	5.383	0.001	57697644	0.7784	86.6- 146.6	126.6	
2	8	5.772	5.771	0.001	87531703	0.7492	142.9- 202.9	192.1	
2	9	6.504	6.503	0.001	105983328	0.7448	179.5- 239.5	232.6	
2	10	6.906	6.905	0.001	75332607	0.7234	121.8- 181.8	165.3	
Average of Peak Amounts =						0.7359			
RPD = 19.41									

9 PCB-1262

1	100		4.477						
1	2		4.910						
1	3		5.174						
1	4		5.526						
1	5		5.882						
2	6		5.383						
2	7		5.883						
2	8		6.206						
2	9		6.503						
2	10		6.905						

11 PCB-1268

1	100		5.884						
1	2		5.920						
1	3		6.135						
1	4		6.539						
1	5		6.857						
2	6		6.904						
2	7		6.954						
2	8		7.233						
2	9		7.571						
2	10		7.932						

\$ 12 DCB Decachlorobiphenyl

1	100	7.064	7.065	-0.001	33627713	0.0144			
2	2	8.217	8.218	-0.001	22756598	0.0169			

RPD = 15.92

QC Flag Legend

Processing Flags

1 - Missing Peaks

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

Report Date: 27-Nov-2012 09:54:31

Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\NCCrom\ChromData\A2HP13\20121126-15278.b\P1300022.D

Injection Date: 27-Nov-2012 06:50:35

Limit Group: GC 8082A ICAL

Client ID: 069SS-0001M-0002-S0

Instrument ID: A2HP13

Lims Batch ID: 66323

Lims Sample ID: 22

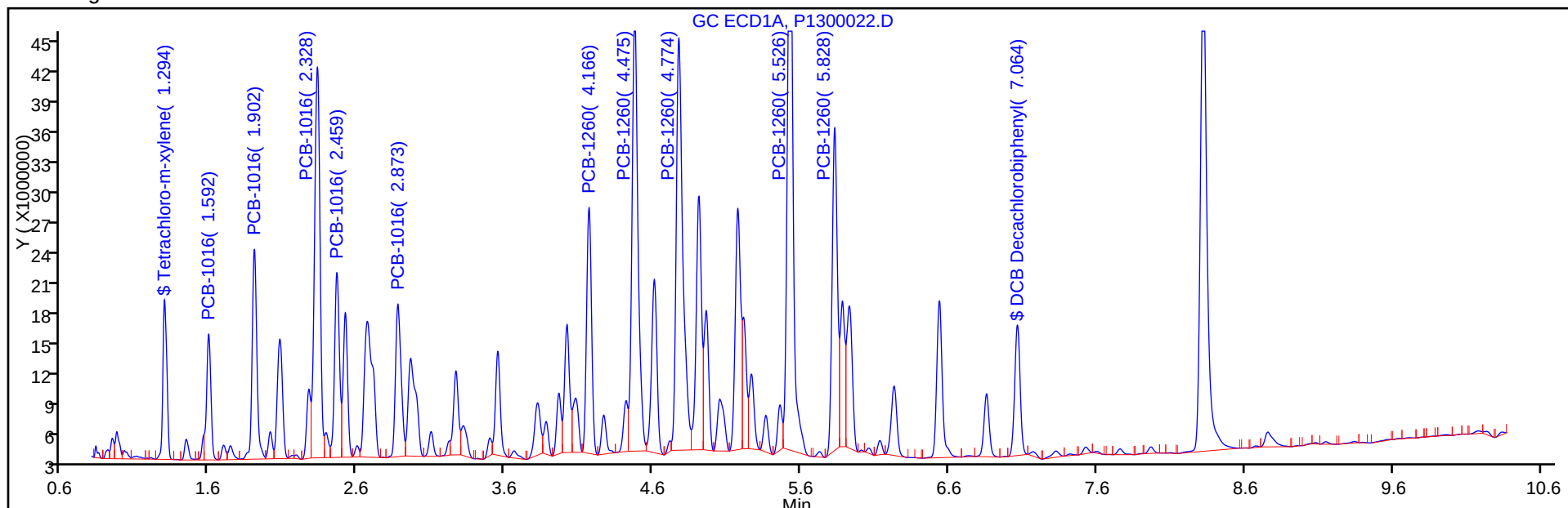
Operator ID:

Injection Vol: 1.0 1/cm

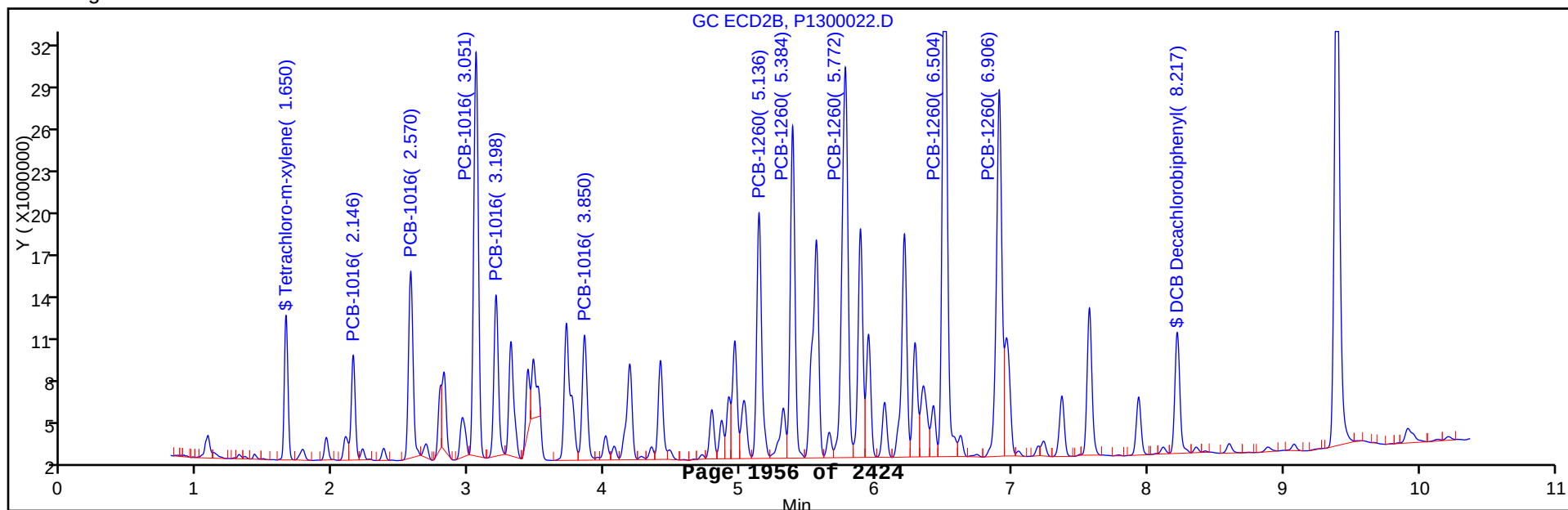
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-17525-1
SDG No.: _____
Client Sample ID: 077SS-0001M-0001-SO MS Lab Sample ID: 240-17525-5 MS
Matrix: Solid Lab File ID: P1300026.D
Analysis Method: 8082/DOD Date Collected: 11/11/2012 10:45
Extraction Method: 3540C Date Extracted: 11/20/2012 11:06
Sample wt/vol: 29.73(g) Date Analyzed: 11/27/2012 07:50
Con. Extract Vol.: 10 (mL) Dilution Factor: 1
Injection Volume: 1 (1/cm) GC Column: CLP-1 ID: 0.53 (mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 66323 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	78		40-140
2051-24-3	DCB Decachlorobiphenyl	80		60-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121126-15278.b\P1300026.D
 Lims ID: 240-17525-A-5-G MS Client ID: 077SS-0001M-0002-SO
 Inject. Date: 27-Nov-2012 07:50:14 Dil. Factor: 1.0000
 Sample Type: MS
 Sample ID: 240-0015278-026
 Misc. Info.:
 Operator: Instrument ID: A2HP13
 Injection Vol: 1.0 1/cm ALS Bottle#: 26
 Lims Batch ID: 66323 Lims Sample ID: 26
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCChrom\ChromData\A2HP13\20121126-15278.b\PCB13.m
 Last Update: 27-Nov-2012 09:54:27 Calib Date: 22-Oct-2012 03:04:38
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK003

First Level Reviewer: hassl

Date: 27-Nov-2012 09:41:59

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

S 1 Polychlorinated biphenyls, Total

7

1 100 1.000

\$ 2 Tetrachloro-m-xylene

1 44 1.295 1.293 0.002 35612242 0.0156

2 2 1.649 1.648 0.001 23307568 0.0162

RPD = 3.89

3 PCB-1221

1 2 1.441

1 3 1.593

1 4 1.555

2 4 1.946

2 5 2.086

2 6 2.146

4 PCB-1232

1 100 1.557

1 2 1.900

1 3 2.327

1 4 2.459

1 5 2.872

2 6 2.145

2 7 2.567

2 8 3.050

2 9 3.198

2 10 3.851

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

5 PCB-1242

1	100	1.591
1	2	1.901
1	3	2.328
1	4	2.459
1	5	2.873
2	6	2.145
2	7	2.568
2	8	3.050
2	9	3.198
2	10	3.716

6 PCB-1016

1	100	1.593	1.593	0.000	32986050	0.8114		100.0
1	2	1.902	1.902	0.000	53392650	0.7428	149.3- 199.3	161.9
1	3	2.330	2.329	0.001	119986350	0.7730	350.2- 400.2	363.7
1	4	2.462	2.460	0.002	50573440	0.7844	130.7- 180.7	153.3
1	5	2.873	2.873	0.000	49112692	0.7239	137.9- 187.9	148.9
Average of Peak Amounts =						0.7671		
2	6	2.144	2.144	0.000	18573024	0.8264		100.0
2	7	2.568	2.567	0.001	39585756	0.8439	176.5- 236.5	213.1
2	8	3.050	3.049	0.001	85519313	0.9412	362.5- 422.5	460.4
2	9	3.197	3.198	-0.001	34130651	0.8816	137.9- 197.9	183.8
2	10	3.850	3.849	0.001	26893029	0.7456	118.8- 178.8	144.8

Average of Peak Amounts = 0.8477

RPD = 9.99

7 PCB-1248

1	86	1.899
1	2	2.326
1	3	2.872
1	4	3.494
1	5	3.963
2	6	2.567
2	7	3.048
2	8	3.717
2	9	3.848
2	10	4.913

8 PCB-1254

1	100	3.547
1	2	3.962
1	3	4.267
1	4	4.474
1	5	4.776
2	6	4.409
2	7	4.913
2	8	5.176
2	9	5.557
2	10	5.774

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

10 PCB-1260

1	100	4.167	4.168	-0.001	69167177	0.6824		100.0	
1	2	4.476	4.478	-0.002	148488662	0.7401	175.1- 225.1	214.7	
1	3	4.774	4.777	-0.003	164542169	0.8225	173.2- 223.2	237.9	
1	4	5.527	5.528	-0.001	191454246	0.7044	244.1- 294.1	276.8	
1	5	5.828	5.830	-0.002	96372027	0.7462	101.5- 151.5	139.3	
Average of Peak Amounts =						0.7391			
2	6	5.136	5.135	0.001	53801864	0.8072		100.0	
2	7	5.383	5.383	0.000	67690566	0.9208	86.6- 146.6	125.8	
2	8	5.773	5.771	0.002	107700495	0.9218	142.9- 202.9	200.2	
2	9	6.503	6.503	0.000	127112599	0.8933	179.5- 239.5	236.3	
2	10	6.905	6.905	0.000	90053398	0.8648	121.8- 181.8	167.4	
Average of Peak Amounts =						0.8816			

RPD = 17.58

9 PCB-1262

1	100		4.477						
1	2		4.910						
1	3		5.174						
1	4		5.526						
1	5		5.882						
2	6		5.383						
2	7		5.883						
2	8		6.206						
2	9		6.503						
2	10		6.905						

11 PCB-1268

1	100		5.884						
1	2		5.920						
1	3		6.135						
1	4		6.539						
1	5		6.857						
2	6		6.904						
2	7		6.954						
2	8		7.233						
2	9		7.571						
2	10		7.932						

\$ 12 DCB Decachlorobiphenyl

1	100	7.066	7.065	0.001	37506233	0.0161			
2	2	8.217	8.218	-0.001	24736780	0.0184			

RPD = 13.36

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Report Date: 27-Nov-2012 09:54:35

Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP13\20121126-15278.b\P1300026.D

Injection Date: 27-Nov-2012 07:50:14

Limit Group: GC 8082A ICAL

Client ID: 077SS-0001M-0002-SO

Instrument ID: A2HP13

Lims Batch ID: 66323

Lims Sample ID: 26

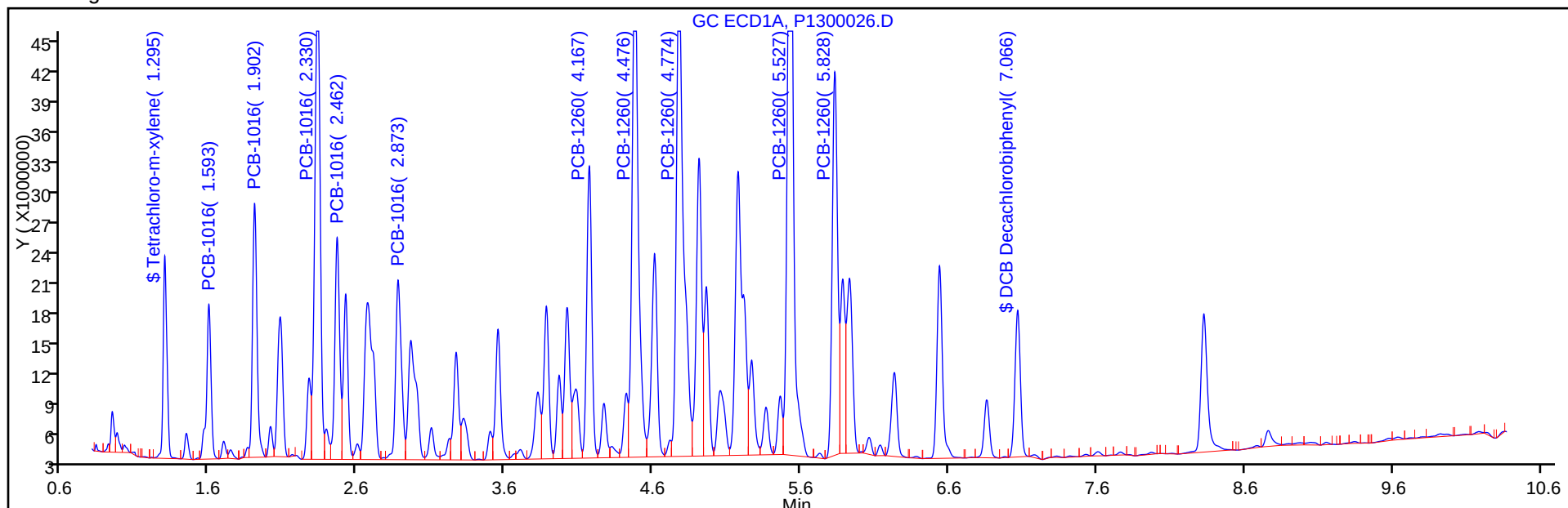
Operator ID:

Injection Vol: 1.0 1/cm

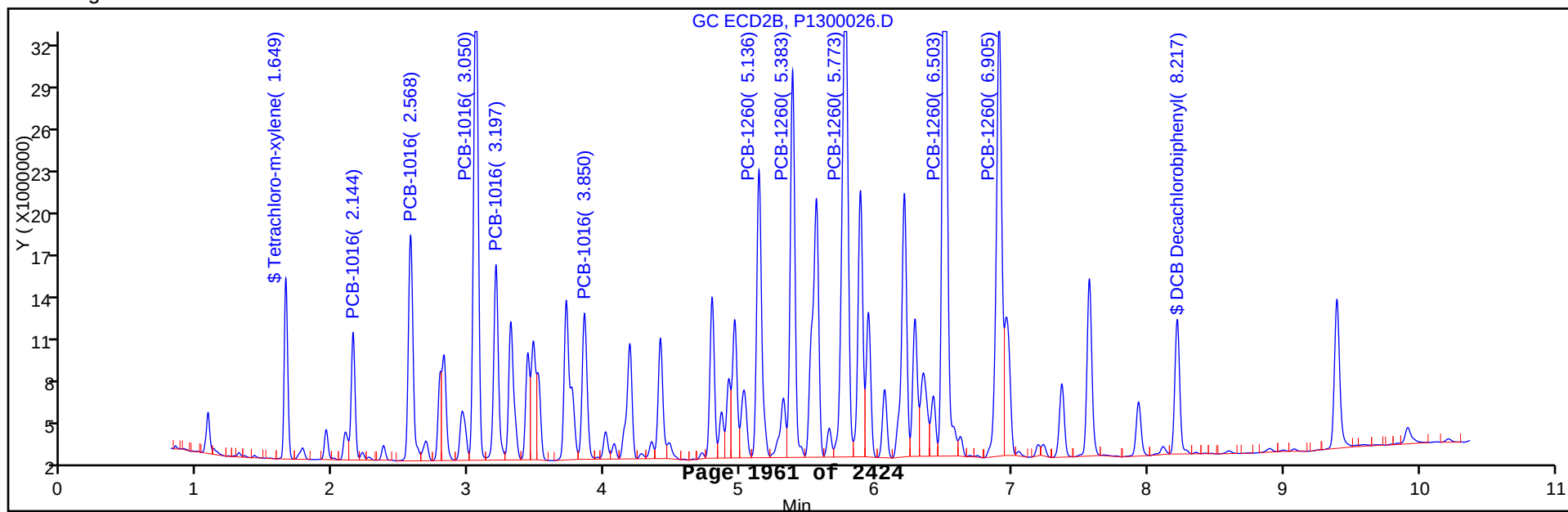
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-17525-1

SDG No.: _____

Client Sample ID: 077SS-0001M-0001-SO MS Lab Sample ID: 240-17525-5 MS

Matrix: Solid Lab File ID: P1300026.D

Analysis Method: 8082/DOD Date Collected: 11/11/2012 10:45

Extraction Method: 3540C Date Extracted: 11/20/2012 11:06

Sample wt/vol: 29.73(g) Date Analyzed: 11/27/2012 07:50

Con. Extract Vol.: 10(mL) Dilution Factor: 1

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

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

Analysis Batch No.: 66323 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
11104-28-2	Aroclor-1221	25	U	50	25	16
12674-11-2	Aroclor-1016	285		66	25	21
11141-16-5	Aroclor-1232	25	U	45	25	14
53469-21-9	Aroclor-1242	25	U	40	25	13
12672-29-6	Aroclor-1248	25	U	55	25	17
11097-69-1	Aroclor-1254	25	U	55	25	17
11096-82-5	Aroclor-1260	297		55	25	17

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	81		40-140
2051-24-3	DCB Decachlorobiphenyl	92		60-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121126-15278.b\P1300026.D
 Lims ID: 240-17525-A-5-G MS Client ID: 077SS-0001M-0002-SO
 Inject. Date: 27-Nov-2012 07:50:14 Dil. Factor: 1.0000
 Sample Type: MS
 Sample ID: 240-0015278-026
 Misc. Info.:
 Operator: Instrument ID: A2HP13
 Injection Vol: 1.0 1/cm ALS Bottle#: 26
 Lims Batch ID: 66323 Lims Sample ID: 26
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCChrom\ChromData\A2HP13\20121126-15278.b\PCB13.m
 Last Update: 27-Nov-2012 09:54:27 Calib Date: 22-Oct-2012 03:04:38
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK003

First Level Reviewer: hassl

Date: 27-Nov-2012 09:41:59

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

S 1 Polychlorinated biphenyls, Total

7

1 100 1.000

\$ 2 Tetrachloro-m-xylene

1 44 1.295 1.293 0.002 35612242 0.0156

2 2 1.649 1.648 0.001 23307568 0.0162

RPD = 3.89

3 PCB-1221

1 2 1.441

1 3 1.593

1 4 1.555

2 4 1.946

2 5 2.086

2 6 2.146

4 PCB-1232

1 100 1.557

1 2 1.900

1 3 2.327

1 4 2.459

1 5 2.872

2 6 2.145

2 7 2.567

2 8 3.050

2 9 3.198

2 10 3.851

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

5 PCB-1242

1	100	1.591
1	2	1.901
1	3	2.328
1	4	2.459
1	5	2.873
2	6	2.145
2	7	2.568
2	8	3.050
2	9	3.198
2	10	3.716

6 PCB-1016

1	100	1.593	1.593	0.000	32986050	0.8114		100.0
1	2	1.902	1.902	0.000	53392650	0.7428	149.3- 199.3	161.9
1	3	2.330	2.329	0.001	119986350	0.7730	350.2- 400.2	363.7
1	4	2.462	2.460	0.002	50573440	0.7844	130.7- 180.7	153.3
1	5	2.873	2.873	0.000	49112692	0.7239	137.9- 187.9	148.9
Average of Peak Amounts =						0.7671		
2	6	2.144	2.144	0.000	18573024	0.8264		100.0
2	7	2.568	2.567	0.001	39585756	0.8439	176.5- 236.5	213.1
2	8	3.050	3.049	0.001	85519313	0.9412	362.5- 422.5	460.4
2	9	3.197	3.198	-0.001	34130651	0.8816	137.9- 197.9	183.8
2	10	3.850	3.849	0.001	26893029	0.7456	118.8- 178.8	144.8

Average of Peak Amounts = 0.8477

RPD = 9.99

7 PCB-1248

1	86	1.899
1	2	2.326
1	3	2.872
1	4	3.494
1	5	3.963
2	6	2.567
2	7	3.048
2	8	3.717
2	9	3.848
2	10	4.913

8 PCB-1254

1	100	3.547
1	2	3.962
1	3	4.267
1	4	4.474
1	5	4.776
2	6	4.409
2	7	4.913
2	8	5.176
2	9	5.557
2	10	5.774

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

10 PCB-1260

1	100	4.167	4.168	-0.001	69167177	0.6824		100.0	
1	2	4.476	4.478	-0.002	148488662	0.7401	175.1- 225.1	214.7	
1	3	4.774	4.777	-0.003	164542169	0.8225	173.2- 223.2	237.9	
1	4	5.527	5.528	-0.001	191454246	0.7044	244.1- 294.1	276.8	
1	5	5.828	5.830	-0.002	96372027	0.7462	101.5- 151.5	139.3	
Average of Peak Amounts =						0.7391			
2	6	5.136	5.135	0.001	53801864	0.8072		100.0	
2	7	5.383	5.383	0.000	67690566	0.9208	86.6- 146.6	125.8	
2	8	5.773	5.771	0.002	107700495	0.9218	142.9- 202.9	200.2	
2	9	6.503	6.503	0.000	127112599	0.8933	179.5- 239.5	236.3	
2	10	6.905	6.905	0.000	90053398	0.8648	121.8- 181.8	167.4	
Average of Peak Amounts =						0.8816			
						RPD = 17.58			

9 PCB-1262

1	100		4.477						
1	2		4.910						
1	3		5.174						
1	4		5.526						
1	5		5.882						
2	6		5.383						
2	7		5.883						
2	8		6.206						
2	9		6.503						
2	10		6.905						

11 PCB-1268

1	100		5.884						
1	2		5.920						
1	3		6.135						
1	4		6.539						
1	5		6.857						
2	6		6.904						
2	7		6.954						
2	8		7.233						
2	9		7.571						
2	10		7.932						

\$ 12 DCB Decachlorobiphenyl

1	100	7.066	7.065	0.001	37506233	0.0161			
2	2	8.217	8.218	-0.001	24736780	0.0184			

RPD = 13.36

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Report Date: 27-Nov-2012 09:54:35

Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP13\20121126-15278.b\P1300026.D

Injection Date: 27-Nov-2012 07:50:14

Limit Group: GC 8082A ICAL

Client ID: 077SS-0001M-0002-SO

Instrument ID: A2HP13

Lims Batch ID: 66323

Lims Sample ID: 26

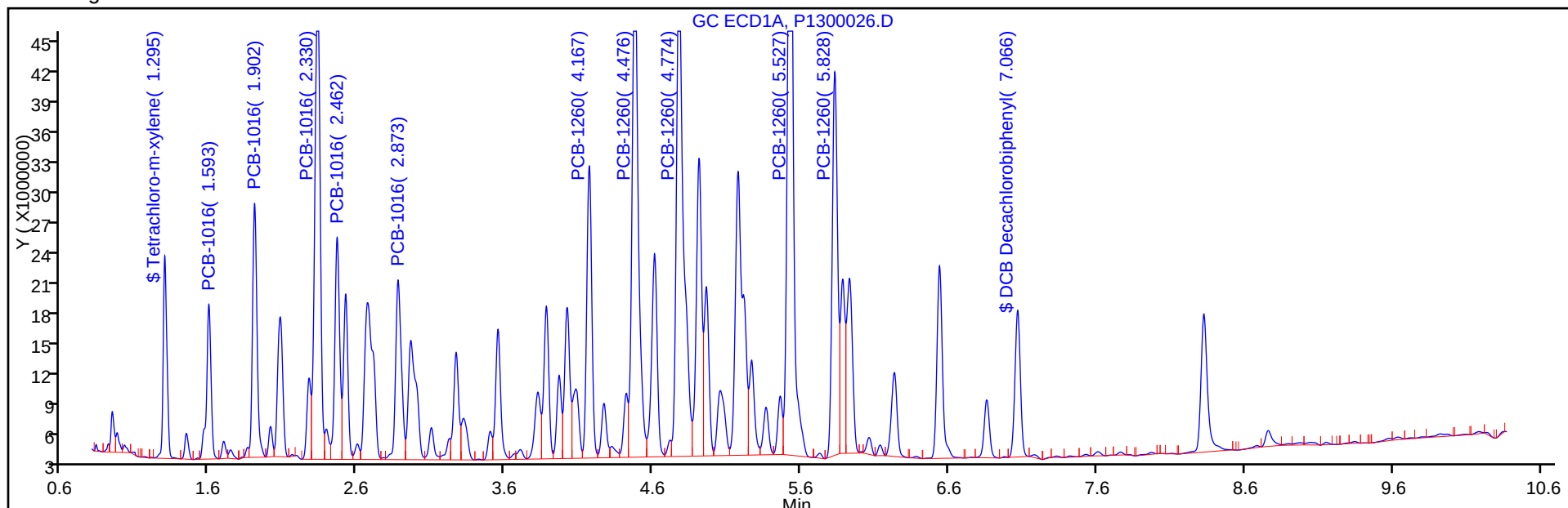
Operator ID:

Injection Vol: 1.0 1/cm

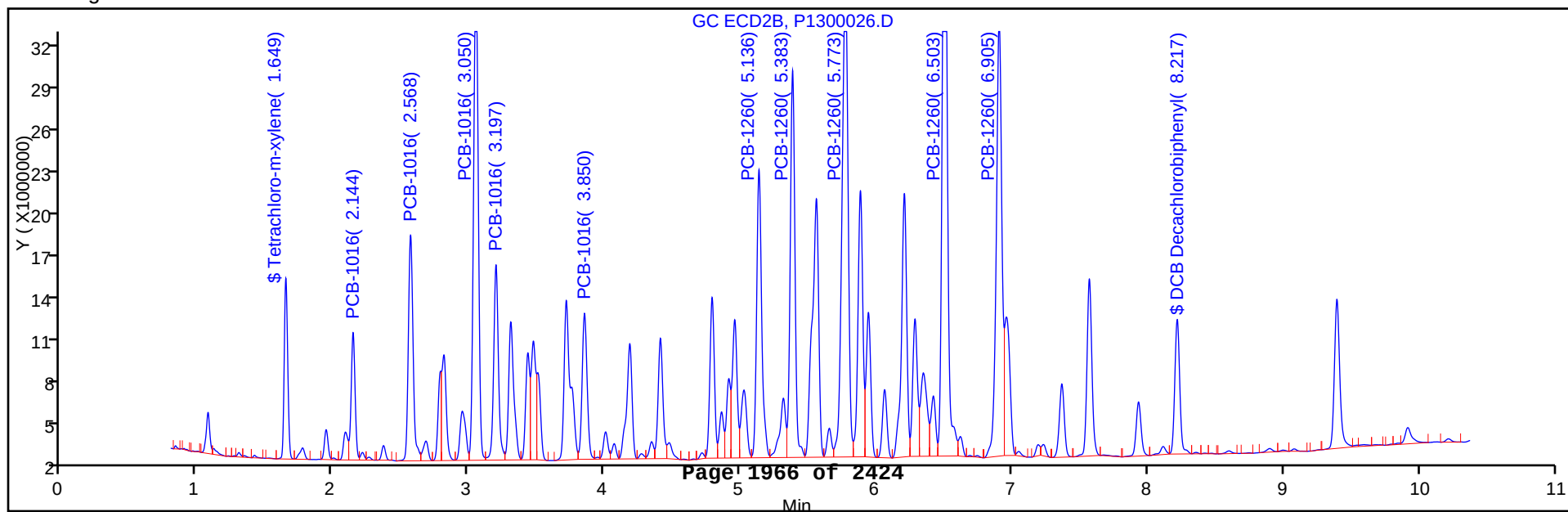
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-17525-1
SDG No.: _____
Client Sample ID: 069SS-0001M-0001-S0 MSD Lab Sample ID: 240-17525-1 MSD
Matrix: Solid Lab File ID: P1300023.D
Analysis Method: 8082/DOD Date Collected: 11/11/2012 09:15
Extraction Method: 3540C Date Extracted: 11/20/2012 11:06
Sample wt/vol: 30.16(g) Date Analyzed: 11/27/2012 07:05
Con. Extract Vol.: 10 (mL) Dilution Factor: 1
Injection Volume: 1 (1/cm) GC Column: CLP-1 ID: 0.53 (mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 66323 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	78		40-140
2051-24-3	DCB Decachlorobiphenyl	91		60-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121126-15278.b\P1300023.D
 Lims ID: 240-17525-A-1-H MSD Client ID: 069SS-0001M-0002-S0
 Inject. Date: 27-Nov-2012 07:05:30 Dil. Factor: 1.0000
 Sample Type: MSD
 Sample ID: 240-0015278-023
 Misc. Info.:
 Operator: Instrument ID: A2HP13
 Injection Vol: 1.0 1/cm ALS Bottle#: 23
 Lims Batch ID: 66323 Lims Sample ID: 23
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCChrom\ChromData\A2HP13\20121126-15278.b\PCB13.m
 Last Update: 27-Nov-2012 09:54:27 Calib Date: 22-Oct-2012 03:04:38
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK003

First Level Reviewer: hassl

Date: 27-Nov-2012 09:43:00

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

S 1 Polychlorinated biphenyls, Total

7

1 100 1.000

\$ 2 Tetrachloro-m-xylene

1 44 1.294 1.293 0.001 35579793 0.0156

2 2 1.649 1.648 0.001 23212339 0.0162

RPD = 3.57

3 PCB-1221

1

1 2 1.441

1 3 1.593

1 4 1.555

2 4 1.946

2 5 2.086

2 6 2.146

4 PCB-1232

M

1 100 1.557

1 2 1.900

1 3 2.327

1 4 2.459

1 5 2.872

2 6 2.145

2 7 2.567

2 8 3.050

2 9 3.198

2 10 3.851

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									M
1	100		1.591						
1	2		1.901						
1	3		2.328						
1	4		2.459						
1	5		2.873						
2	6		2.145						
2	7		2.568						
2	8		3.050						
2	9		3.198						
2	10		3.716						
6 PCB-1016									M
1	100	1.594	1.593	0.001	30370977	0.7470		100.0	M
1	2	1.903	1.902	0.001	58003172	0.8070	149.3- 199.3	191.0	
1	3	2.329	2.329	0.000	120386259	0.7756	350.2- 400.2	396.4	
1	4	2.459	2.460	-0.001	51253149	0.7950	130.7- 180.7	168.8	
1	5	2.873	2.873	0.000	48509053	0.7150	137.9- 187.9	159.7	
Average of Peak Amounts =						0.7679			
2	6	2.145	2.144	0.001	19146706	0.8520		100.0	
2	7	2.569	2.567	0.002	38284844	0.8161	176.5- 236.5	200.0	
2	8	3.049	3.049	0.000	83678880	0.9210	362.5- 422.5	437.0	
2	9	3.198	3.198	0.000	31800368	0.8214	137.9- 197.9	166.1	
2	10	3.849	3.849	0.000	27935650	0.7745	118.8- 178.8	145.9	
Average of Peak Amounts =						0.8370			
RPD = 8.61									
7 PCB-1248									
1	86		1.899						
1	2		2.326						
1	3		2.872						
1	4		3.494						
1	5		3.963						
2	6		2.567						
2	7		3.048						
2	8		3.717						
2	9		3.848						
2	10		4.913						
8 PCB-1254									
1	100		3.547						
1	2		3.962						
1	3		4.267						
1	4		4.474						
1	5		4.776						
2	6		4.409						
2	7		4.913						
2	8		5.176						
2	9		5.557						
2	10		5.774						

Data File: \\NCC\Chrom\ChromData\A2HP13\20121126-15278.b\P1300023.D

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

10 PCB-1260

1	100	4.166	4.168	-0.002	69955833	0.6902		100.0	
1	2	4.474	4.478	-0.004	147868696	0.7370	175.1- 225.1	211.4	
1	3	4.774	4.777	-0.003	152512091	0.7624	173.2- 223.2	218.0	
1	4	5.526	5.528	-0.002	188205414	0.6924	244.1- 294.1	269.0	
1	5	5.828	5.830	-0.002	93866762	0.7268	101.5- 151.5	134.2	
Average of Peak Amounts =						0.7218			
2	6	5.135	5.135	0.000	54391498	0.8161		100.0	
2	7	5.383	5.383	0.000	68335848	0.9300	86.6- 146.6	125.6	
2	8	5.771	5.771	0.000	102387547	0.8763	142.9- 202.9	188.2	
2	9	6.504	6.503	0.001	120816245	0.8491	179.5- 239.5	222.1	
2	10	6.906	6.905	0.001	88383591	0.8487	121.8- 181.8	162.5	
Average of Peak Amounts =						0.8640			
						RPD = 17.94			

9 PCB-1262

1	100		4.477						
1	2		4.910						
1	3		5.174						
1	4		5.526						
1	5		5.882						
2	6		5.383						
2	7		5.883						
2	8		6.206						
2	9		6.503						
2	10		6.905						

11 PCB-1268

1	100		5.884						
1	2		5.920						
1	3		6.135						
1	4		6.539						
1	5		6.857						
2	6		6.904						
2	7		6.954						
2	8		7.233						
2	9		7.571						
2	10		7.932						

\$ 12 DCB Decachlorobiphenyl

1	100	7.064	7.065	-0.001	42454885	0.0182			
2	2	8.217	8.218	-0.001	26659346	0.0198			

RPD = 8.47

QC Flag Legend

Processing Flags

1 - Missing Peaks

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

TestAmerica Canton

Data File: \\NCCrom\ChromData\A2HP13\20121126-15278.b\P1300023.D

Injection Date: 27-Nov-2012 07:05:30

Limit Group: GC 8082A ICAL

Client ID: 069SS-0001M-0002-S0

Instrument ID: A2HP13

Lims Batch ID: 66323

Lims Sample ID: 23

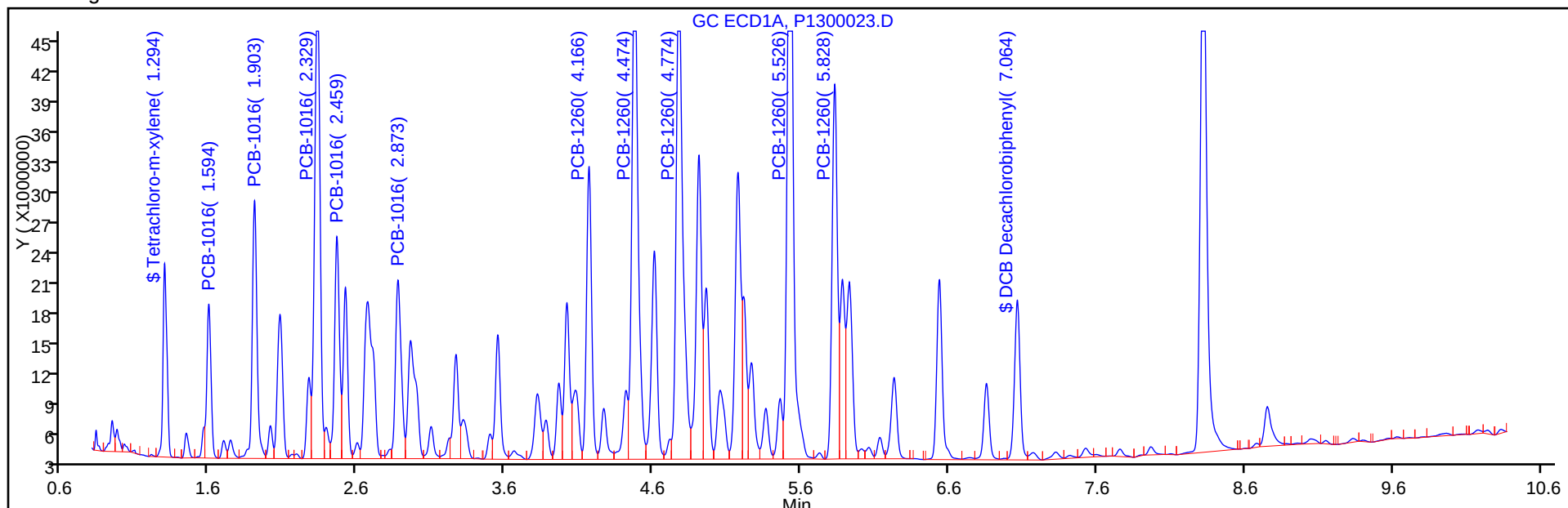
Operator ID:

Injection Vol: 1.0 1/cm

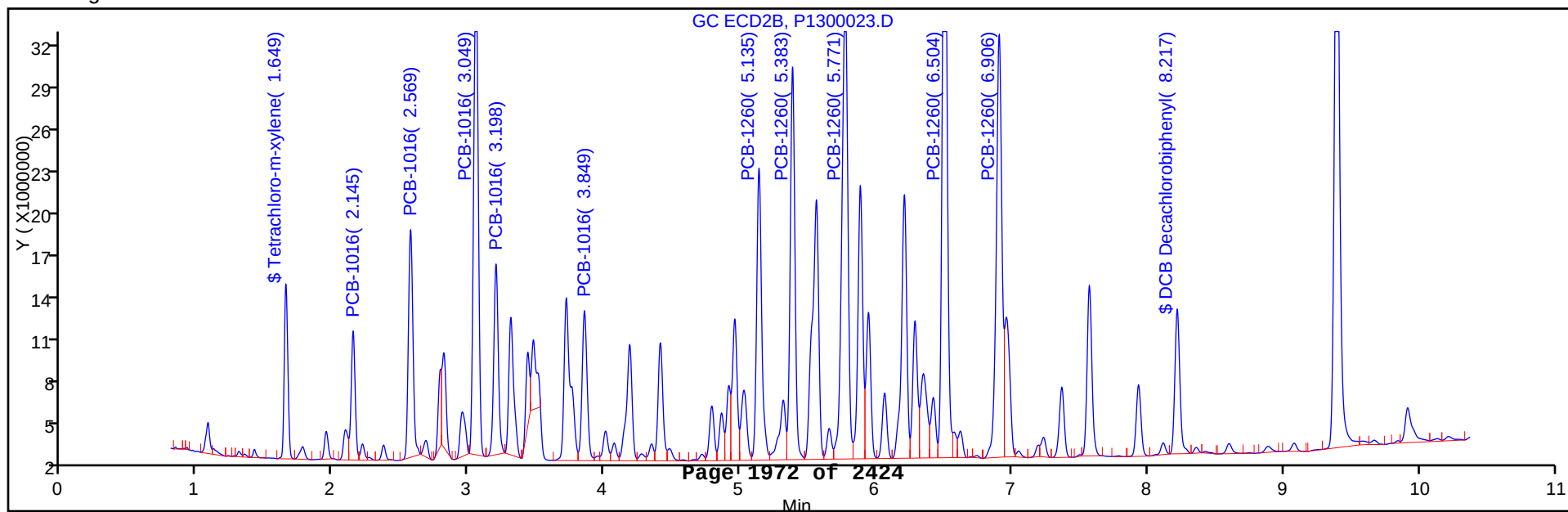
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton

Data File: \\NCCrom\ChromData\A2HP13\20121126-15278.b\P1300023.D

Injection Date: 27-Nov-2012 07:05:30

Limit Group: GC 8082A ICAL

Client ID: 069SS-0001M-0002-S0

Instrument ID: A2HP13

Lims Batch ID: 66323

Lims Sample ID: 23

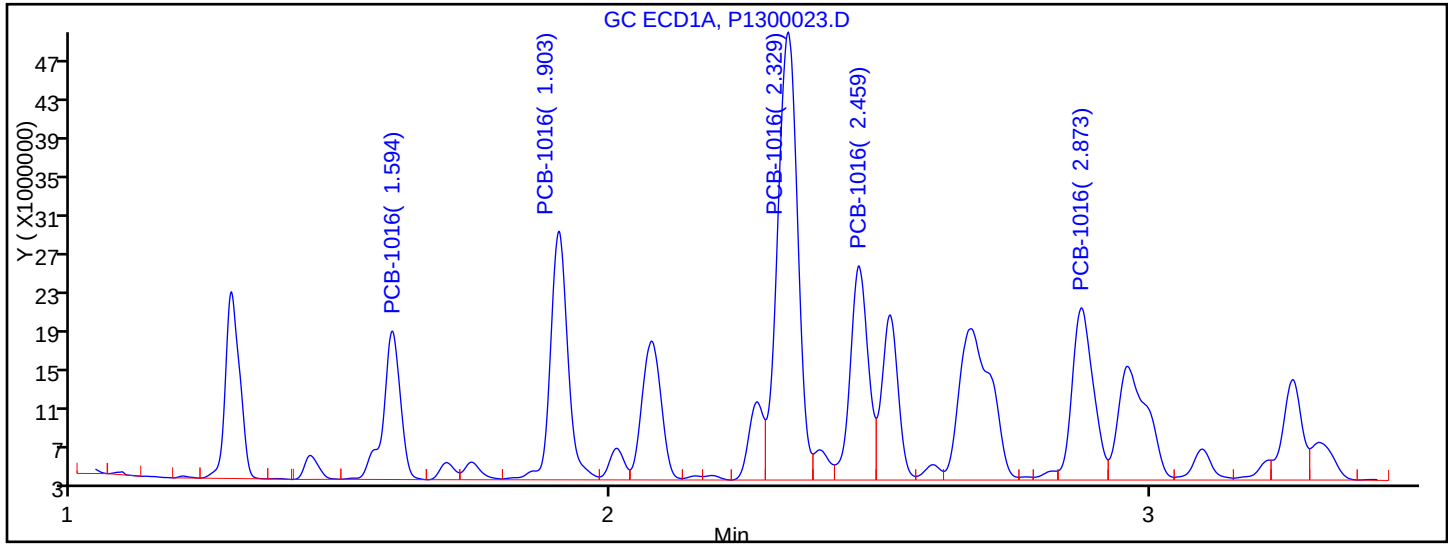
Operator ID:

Injection Vol: 1.0 1/cm

Column Type:

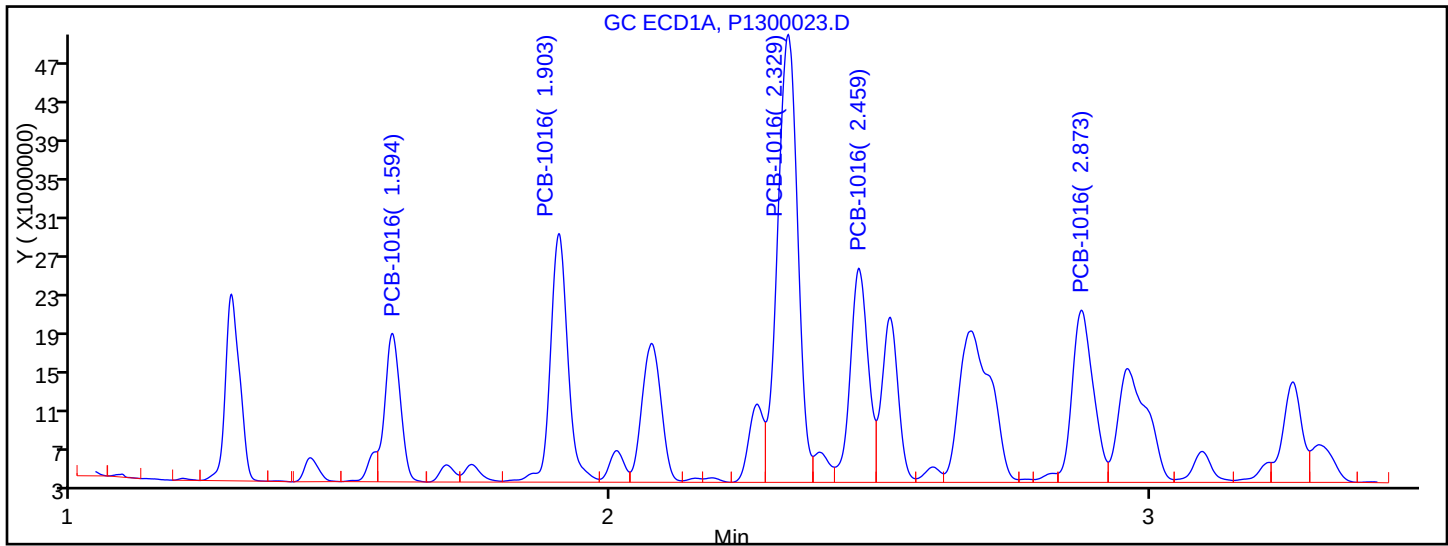
Column Dia:

6 PCB-1016, Detector: 1, GC ECD1A



Processing Integration Results

RT = 1.594	Response = 34269614	M
RT = 1.903	Response = 58003172	
RT = 2.329	Response = 120386259	
RT = 2.459	Response = 51253149	
RT = 2.873	Response = 48509053	



Manual Integration Results

RT = 1.594	Response = 30370977	M
RT = 1.903	Response = 58003172	
RT = 2.329	Response = 120386259	
RT = 2.459	Response = 51253149	
RT = 2.873	Response = 48509053	

Reviewer: hassl, 27-Nov-2012 09:43:00

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-17525-1
 SDG No.: _____
 Client Sample ID: 069SS-0001M-0001-S0 MSD Lab Sample ID: 240-17525-1 MSD
 Matrix: Solid Lab File ID: P1300023.D
 Analysis Method: 8082/DOD Date Collected: 11/11/2012 09:15
 Extraction Method: 3540C Date Extracted: 11/20/2012 11:06
 Sample wt/vol: 30.16(g) Date Analyzed: 11/27/2012 07:05
 Con. Extract Vol.: 10(mL) Dilution Factor: 1
 Injection Volume: 1(1/cm) GC Column: CLP-2 ID: 0.53(mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 66323 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
11104-28-2	Aroclor-1221	25	U	50	25	16
12674-11-2	Aroclor-1016	278		65	25	21
11141-16-5	Aroclor-1232	25	U	45	25	14
53469-21-9	Aroclor-1242	25	U	40	25	13
12672-29-6	Aroclor-1248	25	U	55	25	17
11097-69-1	Aroclor-1254	25	U	55	25	17
11096-82-5	Aroclor-1260	286		55	25	17

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	81		40-140
2051-24-3	DCB Decachlorobiphenyl	99		60-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121126-15278.b\P1300023.D
 Lims ID: 240-17525-A-1-H MSD Client ID: 069SS-0001M-0002-S0
 Inject. Date: 27-Nov-2012 07:05:30 Dil. Factor: 1.0000
 Sample Type: MSD
 Sample ID: 240-0015278-023
 Misc. Info.:
 Operator: Instrument ID: A2HP13
 Injection Vol: 1.0 1/cm ALS Bottle#: 23
 Lims Batch ID: 66323 Lims Sample ID: 23
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCChrom\ChromData\A2HP13\20121126-15278.b\PCB13.m
 Last Update: 27-Nov-2012 09:54:27 Calib Date: 22-Oct-2012 03:04:38
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK003

First Level Reviewer: hassl

Date: 27-Nov-2012 09:43:00

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

S 1 Polychlorinated biphenyls, Total

7

1 100 1.000

\$ 2 Tetrachloro-m-xylene

1 44 1.294 1.293 0.001 35579793 0.0156

2 2 1.649 1.648 0.001 23212339 0.0162

RPD = 3.57

3 PCB-1221

1

1 2 1.441

1 3 1.593

1 4 1.555

2 4 1.946

2 5 2.086

2 6 2.146

4 PCB-1232

M

1 100 1.557

1 2 1.900

1 3 2.327

1 4 2.459

1 5 2.872

2 6 2.145

2 7 2.567

2 8 3.050

2 9 3.198

2 10 3.851

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

5 PCB-1242

M

1	100	1.591
1	2	1.901
1	3	2.328
1	4	2.459
1	5	2.873
2	6	2.145
2	7	2.568
2	8	3.050
2	9	3.198
2	10	3.716

6 PCB-1016

M

1	100	1.594	1.593	0.001	30370977	0.7470		100.0	M
1	2	1.903	1.902	0.001	58003172	0.8070	149.3- 199.3	191.0	
1	3	2.329	2.329	0.000	120386259	0.7756	350.2- 400.2	396.4	
1	4	2.459	2.460	-0.001	51253149	0.7950	130.7- 180.7	168.8	
1	5	2.873	2.873	0.000	48509053	0.7150	137.9- 187.9	159.7	
Average of Peak Amounts =						0.7679			
2	6	2.145	2.144	0.001	19146706	0.8520		100.0	
2	7	2.569	2.567	0.002	38284844	0.8161	176.5- 236.5	200.0	
2	8	3.049	3.049	0.000	83678880	0.9210	362.5- 422.5	437.0	
2	9	3.198	3.198	0.000	31800368	0.8214	137.9- 197.9	166.1	
2	10	3.849	3.849	0.000	27935650	0.7745	118.8- 178.8	145.9	
Average of Peak Amounts =						0.8370			

RPD = 8.61

7 PCB-1248

1	86	1.899
1	2	2.326
1	3	2.872
1	4	3.494
1	5	3.963
2	6	2.567
2	7	3.048
2	8	3.717
2	9	3.848
2	10	4.913

8 PCB-1254

1	100	3.547
1	2	3.962
1	3	4.267
1	4	4.474
1	5	4.776
2	6	4.409
2	7	4.913
2	8	5.176
2	9	5.557
2	10	5.774

Data File: \\NCC\Chrom\ChromData\A2HP13\20121126-15278.b\P1300023.D

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

10 PCB-1260

1	100	4.166	4.168	-0.002	69955833	0.6902		100.0	
1	2	4.474	4.478	-0.004	147868696	0.7370	175.1- 225.1	211.4	
1	3	4.774	4.777	-0.003	152512091	0.7624	173.2- 223.2	218.0	
1	4	5.526	5.528	-0.002	188205414	0.6924	244.1- 294.1	269.0	
1	5	5.828	5.830	-0.002	93866762	0.7268	101.5- 151.5	134.2	
Average of Peak Amounts =						0.7218			
2	6	5.135	5.135	0.000	54391498	0.8161		100.0	
2	7	5.383	5.383	0.000	68335848	0.9300	86.6- 146.6	125.6	
2	8	5.771	5.771	0.000	102387547	0.8763	142.9- 202.9	188.2	
2	9	6.504	6.503	0.001	120816245	0.8491	179.5- 239.5	222.1	
2	10	6.906	6.905	0.001	88383591	0.8487	121.8- 181.8	162.5	
Average of Peak Amounts =						0.8640			
						RPD = 17.94			

9 PCB-1262

1	100	4.477							
1	2	4.910							
1	3	5.174							
1	4	5.526							
1	5	5.882							
2	6	5.383							
2	7	5.883							
2	8	6.206							
2	9	6.503							
2	10	6.905							

11 PCB-1268

1	100	5.884							
1	2	5.920							
1	3	6.135							
1	4	6.539							
1	5	6.857							
2	6	6.904							
2	7	6.954							
2	8	7.233							
2	9	7.571							
2	10	7.932							

\$ 12 DCB Decachlorobiphenyl

1	100	7.064	7.065	-0.001	42454885	0.0182			
2	2	8.217	8.218	-0.001	26659346	0.0198			

RPD = 8.47

QC Flag Legend

Processing Flags

1 - Missing Peaks

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP13\20121126-15278.b\P1300023.D

Injection Date: 27-Nov-2012 07:05:30

Limit Group: GC 8082A ICAL

Client ID: 069SS-0001M-0002-S0

Instrument ID: A2HP13

Lims Batch ID: 66323

Lims Sample ID: 23

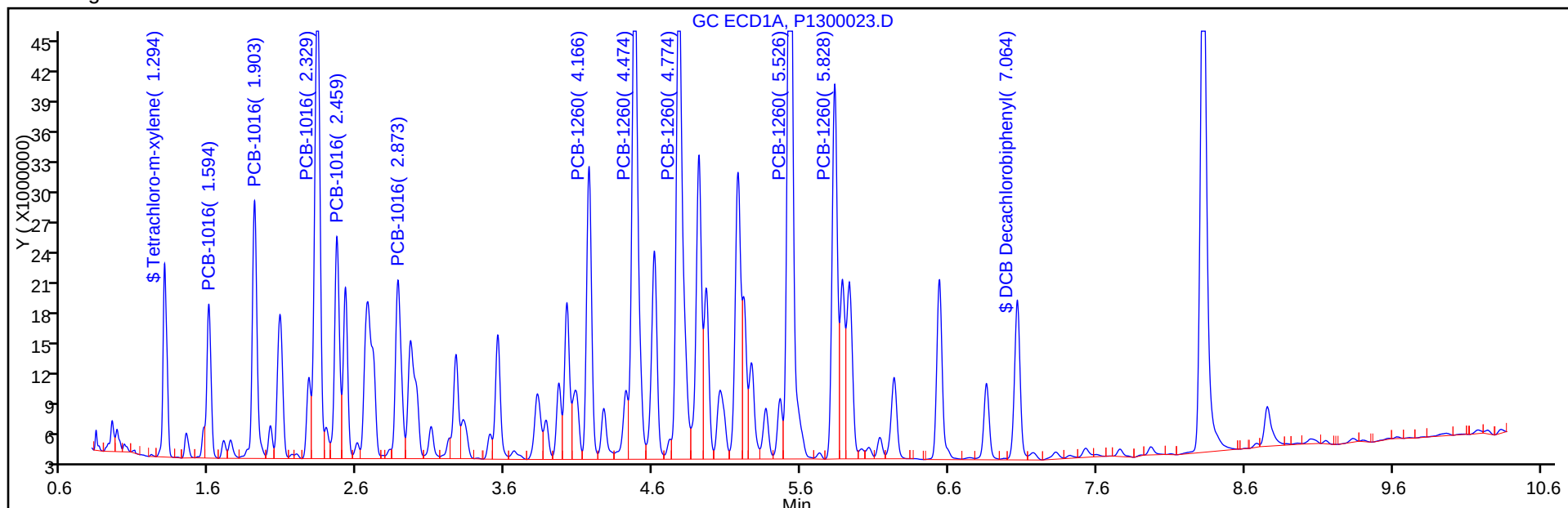
Operator ID:

Injection Vol: 1.0 1/cm

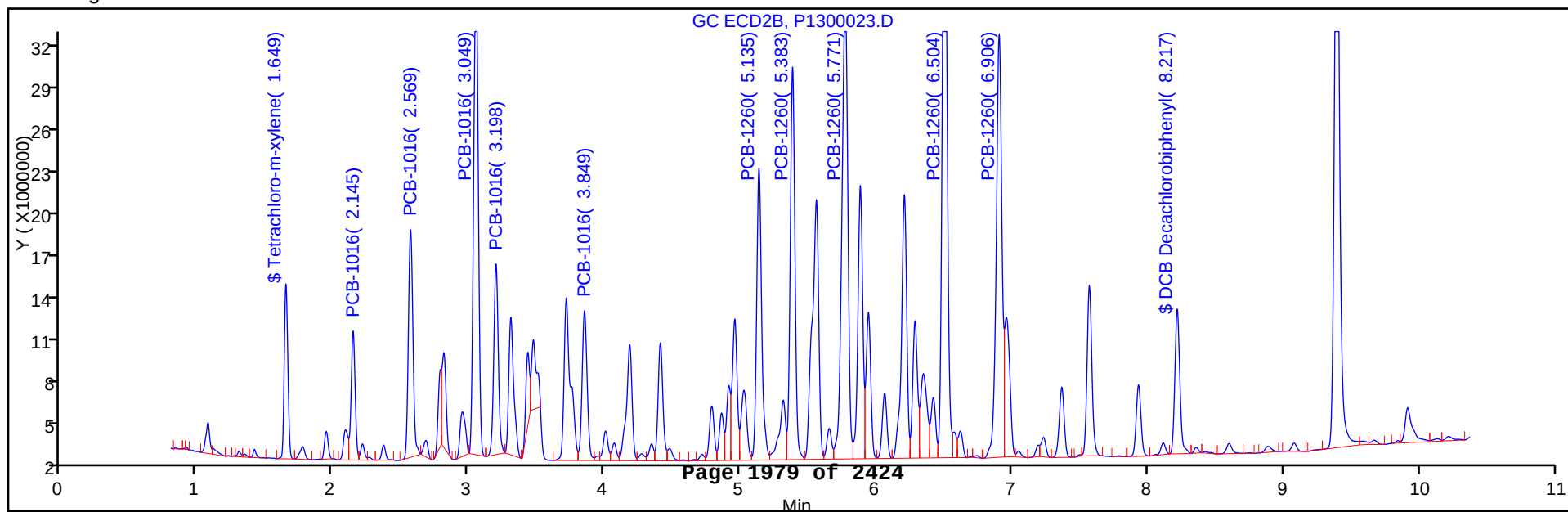
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-17525-1
SDG No.: _____
Client Sample ID: 077SS-0001M-0001-SO MSD Lab Sample ID: 240-17525-5 MSD
Matrix: Solid Lab File ID: P1300027.D
Analysis Method: 8082/DOD Date Collected: 11/11/2012 10:45
Extraction Method: 3540C Date Extracted: 11/20/2012 11:06
Sample wt/vol: 29.71(g) Date Analyzed: 11/27/2012 08:05
Con. Extract Vol.: 10 (mL) Dilution Factor: 1
Injection Volume: 1 (1/cm) GC Column: CLP-1 ID: 0.53 (mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 66323 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	76		40-140
2051-24-3	DCB Decachlorobiphenyl	77		60-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121126-15278.b\P1300027.D
 Lims ID: 240-17525-A-5-H MSD Client ID: 077SS-0001M-0002-SO
 Inject. Date: 27-Nov-2012 08:05:08 Dil. Factor: 1.0000
 Sample Type: MSD
 Sample ID: 240-0015278-027
 Misc. Info.:
 Operator: Instrument ID: A2HP13
 Injection Vol: 1.0 1/cm ALS Bottle#: 27
 Lims Batch ID: 66323 Lims Sample ID: 27
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCChrom\ChromData\A2HP13\20121126-15278.b\PCB13.m
 Last Update: 27-Nov-2012 09:54:27 Calib Date: 22-Oct-2012 03:04:38
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK003

First Level Reviewer: hassl

Date: 27-Nov-2012 09:41:44

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

S 1 Polychlorinated biphenyls, Total

7

1 100 1.000

\$ 2 Tetrachloro-m-xylene

1 44 1.293 1.293 0.000 34811272 0.0152

2 2 1.650 1.648 0.002 22799159 0.0159

RPD = 3.96

3 PCB-1221

1

1 2 1.441

1 3 1.593

1 4 1.555

2 4 1.946

2 5 2.086

2 6 2.146

4 PCB-1232

M

1 100 1.557

1 2 1.900

1 3 2.327

1 4 2.459

1 5 2.872

2 6 2.145

2 7 2.567

2 8 3.050

2 9 3.198

2 10 3.851

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

5 PCB-1242

M

1	100	1.591
1	2	1.901
1	3	2.328
1	4	2.459
1	5	2.873
2	6	2.145
2	7	2.568
2	8	3.050
2	9	3.198
2	10	3.716

6 PCB-1016

M

1	100	1.591	1.593	-0.002	30825360	0.7582		100.0	M
1	2	1.901	1.902	-0.001	55015940	0.7654	149.3- 199.3	178.5	
1	3	2.328	2.329	-0.001	121664725	0.7838	350.2- 400.2	394.7	
1	4	2.459	2.460	-0.001	50902467	0.7895	130.7- 180.7	165.1	
1	5	2.873	2.873	0.000	47940763	0.7066	137.9- 187.9	155.5	
Average of Peak Amounts =						0.7607			
2	6	2.145	2.144	0.001	19109885	0.8503		100.0	
2	7	2.569	2.567	0.002	40484206	0.8630	176.5- 236.5	211.8	
2	8	3.051	3.049	0.002	85484418	0.9409	362.5- 422.5	447.3	
2	9	3.198	3.198	0.000	32640452	0.8431	137.9- 197.9	170.8	
2	10	3.851	3.849	0.002	28130973	0.7800	118.8- 178.8	147.2	
Average of Peak Amounts =						0.8554			

RPD = 11.72

7 PCB-1248

1	86	1.899
1	2	2.326
1	3	2.872
1	4	3.494
1	5	3.963
2	6	2.567
2	7	3.048
2	8	3.717
2	9	3.848
2	10	4.913

8 PCB-1254

1	100	3.547
1	2	3.962
1	3	4.267
1	4	4.474
1	5	4.776
2	6	4.409
2	7	4.913
2	8	5.176
2	9	5.557
2	10	5.774

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

10 PCB-1260

1	100	4.167	4.168	-0.001	67597140	0.6669		100.0	
1	2	4.475	4.478	-0.003	146973177	0.7325	175.1- 225.1	217.4	
1	3	4.775	4.777	-0.002	159712223	0.7984	173.2- 223.2	236.3	
1	4	5.527	5.528	-0.001	191080152	0.7030	244.1- 294.1	282.7	
1	5	5.828	5.830	-0.002	93915486	0.7272	101.5- 151.5	138.9	
Average of Peak Amounts =						0.7256			
2	6	5.136	5.135	0.001	54660415	0.8201		100.0	
2	7	5.383	5.383	0.000	69373482	0.9447	86.6- 146.6	126.9	
2	8	5.773	5.771	0.002	108943855	0.9325	142.9- 202.9	199.3	
2	9	6.504	6.503	0.001	128720146	0.9046	179.5- 239.5	235.5	
2	10	6.906	6.905	0.001	91311323	0.8769	121.8- 181.8	167.1	
Average of Peak Amounts =						0.8958			
						RPD = 20.99			

9 PCB-1262

1	100	4.477							
1	2	4.910							
1	3	5.174							
1	4	5.526							
1	5	5.882							
2	6	5.383							
2	7	5.883							
2	8	6.206							
2	9	6.503							
2	10	6.905							

11 PCB-1268

1	100	5.884							
1	2	5.920							
1	3	6.135							
1	4	6.539							
1	5	6.857							
2	6	6.904							
2	7	6.954							
2	8	7.233							
2	9	7.571							
2	10	7.932							

\$ 12 DCB Decachlorobiphenyl

1	100	7.063	7.065	-0.002	35822414	0.0153			
2	2	8.218	8.218	0.000	23535692	0.0175			

RPD = 12.98

QC Flag Legend

Processing Flags

1 - Missing Peaks

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

Report Date: 27-Nov-2012 09:54:36

Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP13\20121126-15278.b\P1300027.D

Injection Date: 27-Nov-2012 08:05:08

Limit Group: GC 8082A ICAL

Client ID: 077SS-0001M-0002-SO

Instrument ID: A2HP13

Lims Batch ID: 66323

Lims Sample ID: 27

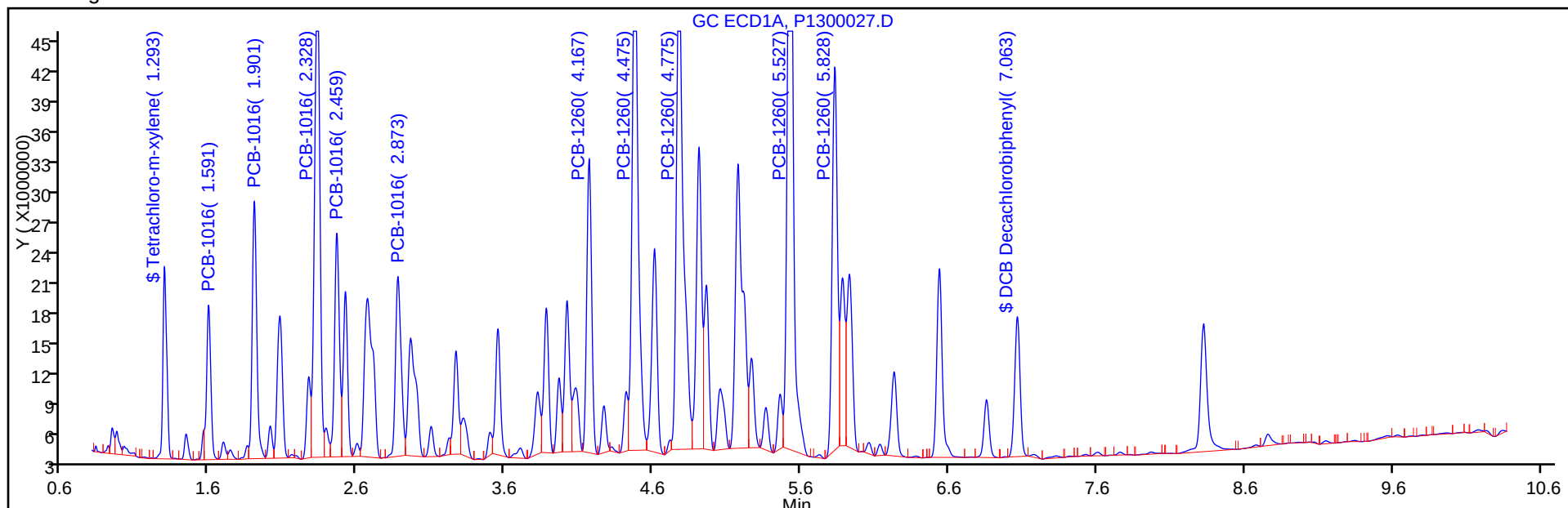
Operator ID:

Injection Vol: 1.0 1/cm

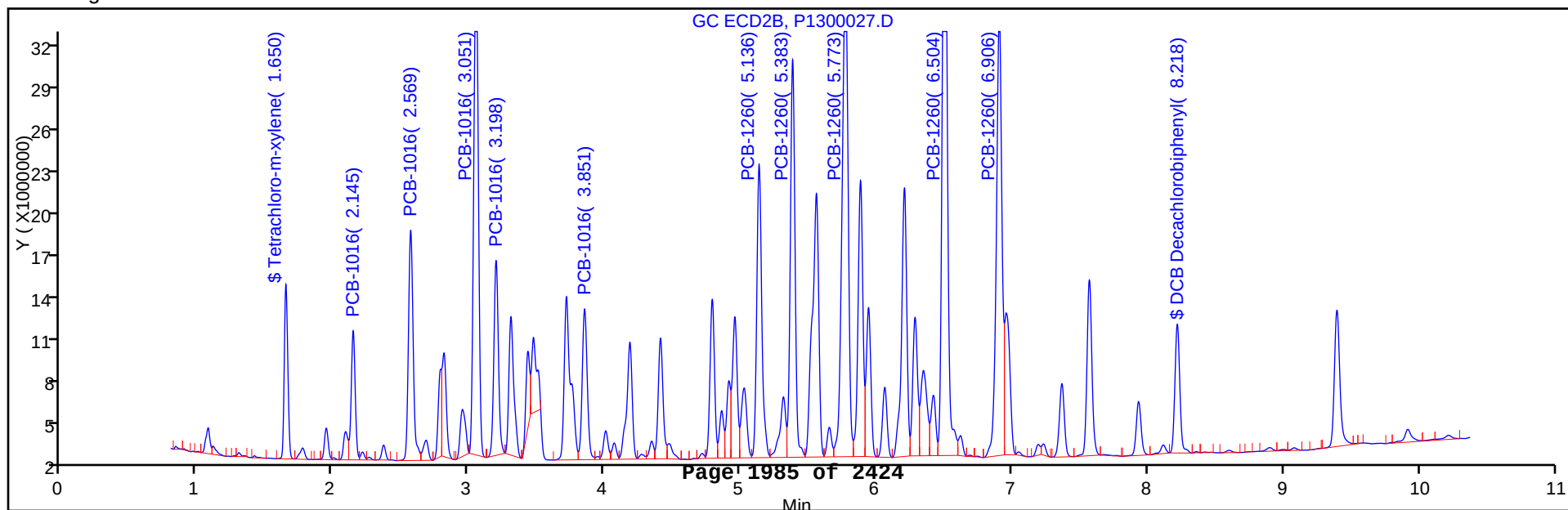
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton

Data File: \\NCCrom\ChromData\A2HP13\20121126-15278.b\P1300027.D

Injection Date: 27-Nov-2012 08:05:08

Limit Group: GC 8082A ICAL

Client ID: 077SS-0001M-0002-SO

Instrument ID: A2HP13

Lims Batch ID: 66323

Lims Sample ID: 27

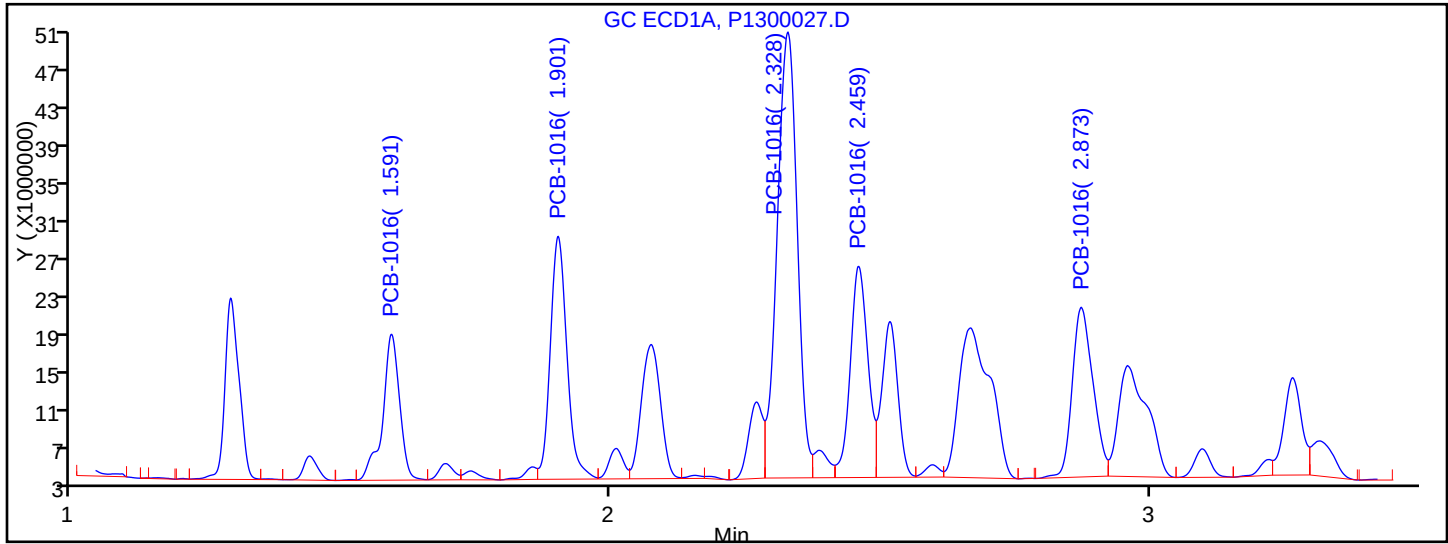
Operator ID:

Injection Vol: 1.0 1/cm

Column Type:

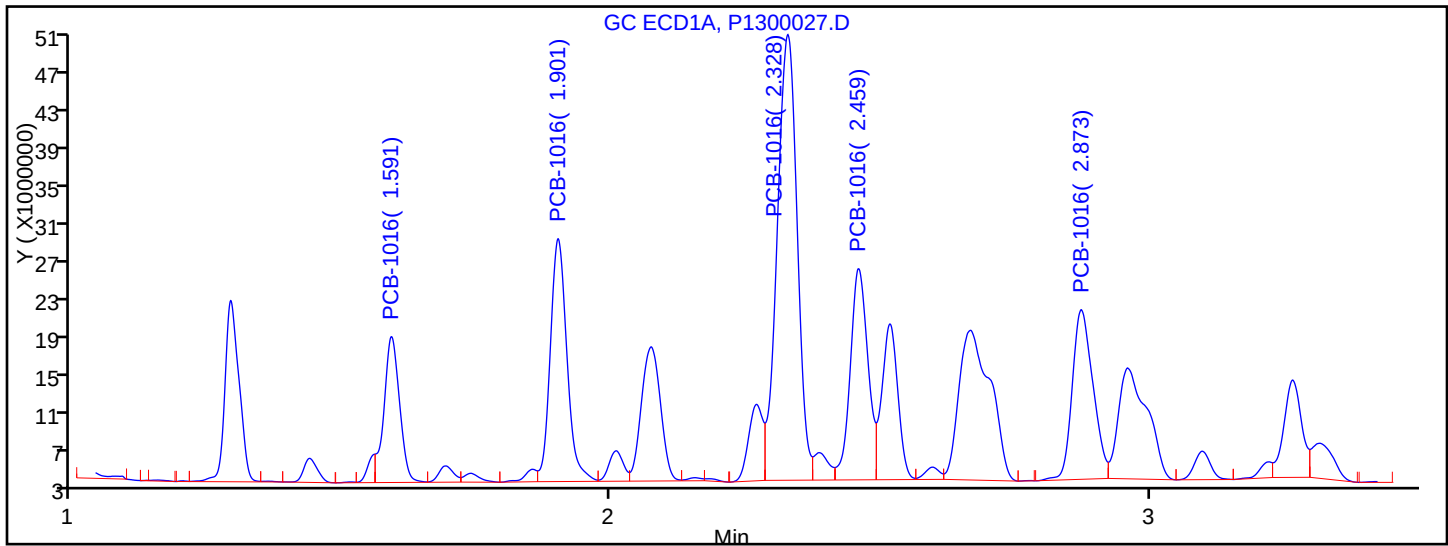
Column Dia:

6 PCB-1016, Detector: 1, GC ECD1A



Processing Integration Results

RT = 1.591	Response = 33593698	M
RT = 1.901	Response = 55015940	
RT = 2.328	Response = 121664725	
RT = 2.459	Response = 50902467	
RT = 2.873	Response = 47940763	



Manual Integration Results

RT = 1.591	Response = 30825360	M
RT = 1.901	Response = 55015940	
RT = 2.328	Response = 121664725	
RT = 2.459	Response = 50902467	
RT = 2.873	Response = 47940763	

Reviewer: hassl, 27-Nov-2012 09:41:44

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-17525-1

SDG No.: _____

Client Sample ID: 077SS-0001M-0001-SO MSD Lab Sample ID: 240-17525-5 MSD

Matrix: Solid Lab File ID: P1300027.D

Analysis Method: 8082/DOD Date Collected: 11/11/2012 10:45

Extraction Method: 3540C Date Extracted: 11/20/2012 11:06

Sample wt/vol: 29.71(g) Date Analyzed: 11/27/2012 08:05

Con. Extract Vol.: 10(mL) Dilution Factor: 1

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

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

Analysis Batch No.: 66323 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
11104-28-2	Aroclor-1221	25	U	50	25	16
12674-11-2	Aroclor-1016	288		66	25	21
11141-16-5	Aroclor-1232	25	U	45	25	14
53469-21-9	Aroclor-1242	25	U	40	25	13
12672-29-6	Aroclor-1248	25	U	56	25	17
11097-69-1	Aroclor-1254	25	U	56	25	17
11096-82-5	Aroclor-1260	302		56	25	17

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	79		40-140
2051-24-3	DCB Decachlorobiphenyl	87		60-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121126-15278.b\P1300027.D
 Lims ID: 240-17525-A-5-H MSD Client ID: 077SS-0001M-0002-SO
 Inject. Date: 27-Nov-2012 08:05:08 Dil. Factor: 1.0000
 Sample Type: MSD
 Sample ID: 240-0015278-027
 Misc. Info.:
 Operator: Instrument ID: A2HP13
 Injection Vol: 1.0 1/cm ALS Bottle#: 27
 Lims Batch ID: 66323 Lims Sample ID: 27
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCChrom\ChromData\A2HP13\20121126-15278.b\PCB13.m
 Last Update: 27-Nov-2012 09:54:27 Calib Date: 22-Oct-2012 03:04:38
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK003

First Level Reviewer: hassl

Date: 27-Nov-2012 09:41:44

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

S 1 Polychlorinated biphenyls, Total

7

1 100 1.000

\$ 2 Tetrachloro-m-xylene

1 44 1.293 1.293 0.000 34811272 0.0152

2 2 1.650 1.648 0.002 22799159 0.0159

RPD = 3.96

3 PCB-1221

1

1 2 1.441

1 3 1.593

1 4 1.555

2 4 1.946

2 5 2.086

2 6 2.146

4 PCB-1232

M

1 100 1.557

1 2 1.900

1 3 2.327

1 4 2.459

1 5 2.872

2 6 2.145

2 7 2.567

2 8 3.050

2 9 3.198

2 10 3.851

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									M
1	100		1.591						
1	2		1.901						
1	3		2.328						
1	4		2.459						
1	5		2.873						
2	6		2.145						
2	7		2.568						
2	8		3.050						
2	9		3.198						
2	10		3.716						
6 PCB-1016									M
1	100	1.591	1.593	-0.002	30825360	0.7582		100.0	M
1	2	1.901	1.902	-0.001	55015940	0.7654	149.3- 199.3	178.5	
1	3	2.328	2.329	-0.001	121664725	0.7838	350.2- 400.2	394.7	
1	4	2.459	2.460	-0.001	50902467	0.7895	130.7- 180.7	165.1	
1	5	2.873	2.873	0.000	47940763	0.7066	137.9- 187.9	155.5	
Average of Peak Amounts =						0.7607			
2	6	2.145	2.144	0.001	19109885	0.8503		100.0	
2	7	2.569	2.567	0.002	40484206	0.8630	176.5- 236.5	211.8	
2	8	3.051	3.049	0.002	85484418	0.9409	362.5- 422.5	447.3	
2	9	3.198	3.198	0.000	32640452	0.8431	137.9- 197.9	170.8	
2	10	3.851	3.849	0.002	28130973	0.7800	118.8- 178.8	147.2	
Average of Peak Amounts =						0.8554			
RPD = 11.72									
7 PCB-1248									
1	86		1.899						
1	2		2.326						
1	3		2.872						
1	4		3.494						
1	5		3.963						
2	6		2.567						
2	7		3.048						
2	8		3.717						
2	9		3.848						
2	10		4.913						
8 PCB-1254									
1	100		3.547						
1	2		3.962						
1	3		4.267						
1	4		4.474						
1	5		4.776						
2	6		4.409						
2	7		4.913						
2	8		5.176						
2	9		5.557						
2	10		5.774						

Data File: \\NCC\Chrom\ChromData\A2HP13\20121126-15278.b\P1300027.D

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
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10 PCB-1260

1	100	4.167	4.168	-0.001	67597140	0.6669		100.0	
1	2	4.475	4.478	-0.003	146973177	0.7325	175.1- 225.1	217.4	
1	3	4.775	4.777	-0.002	159712223	0.7984	173.2- 223.2	236.3	
1	4	5.527	5.528	-0.001	191080152	0.7030	244.1- 294.1	282.7	
1	5	5.828	5.830	-0.002	93915486	0.7272	101.5- 151.5	138.9	
Average of Peak Amounts =						0.7256			
2	6	5.136	5.135	0.001	54660415	0.8201		100.0	
2	7	5.383	5.383	0.000	69373482	0.9447	86.6- 146.6	126.9	
2	8	5.773	5.771	0.002	108943855	0.9325	142.9- 202.9	199.3	
2	9	6.504	6.503	0.001	128720146	0.9046	179.5- 239.5	235.5	
2	10	6.906	6.905	0.001	91311323	0.8769	121.8- 181.8	167.1	
Average of Peak Amounts =						0.8958			

RPD = 20.99

9 PCB-1262

1	100		4.477						
1	2		4.910						
1	3		5.174						
1	4		5.526						
1	5		5.882						
2	6		5.383						
2	7		5.883						
2	8		6.206						
2	9		6.503						
2	10		6.905						

11 PCB-1268

1	100		5.884						
1	2		5.920						
1	3		6.135						
1	4		6.539						
1	5		6.857						
2	6		6.904						
2	7		6.954						
2	8		7.233						
2	9		7.571						
2	10		7.932						

\$ 12 DCB Decachlorobiphenyl

1	100	7.063	7.065	-0.002	35822414	0.0153			
2	2	8.218	8.218	0.000	23535692	0.0175			

RPD = 12.98

QC Flag Legend

Processing Flags

1 - Missing Peaks

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP13\201211126-15278.b\P1300027.D

Injection Date: 27-Nov-2012 08:05:08

Limit Group: GC 8082A ICAL

Client ID: 077SS-0001M-0002-SO

Instrument ID: A2HP13

Lims Batch ID: 66323

Lims Sample ID: 27

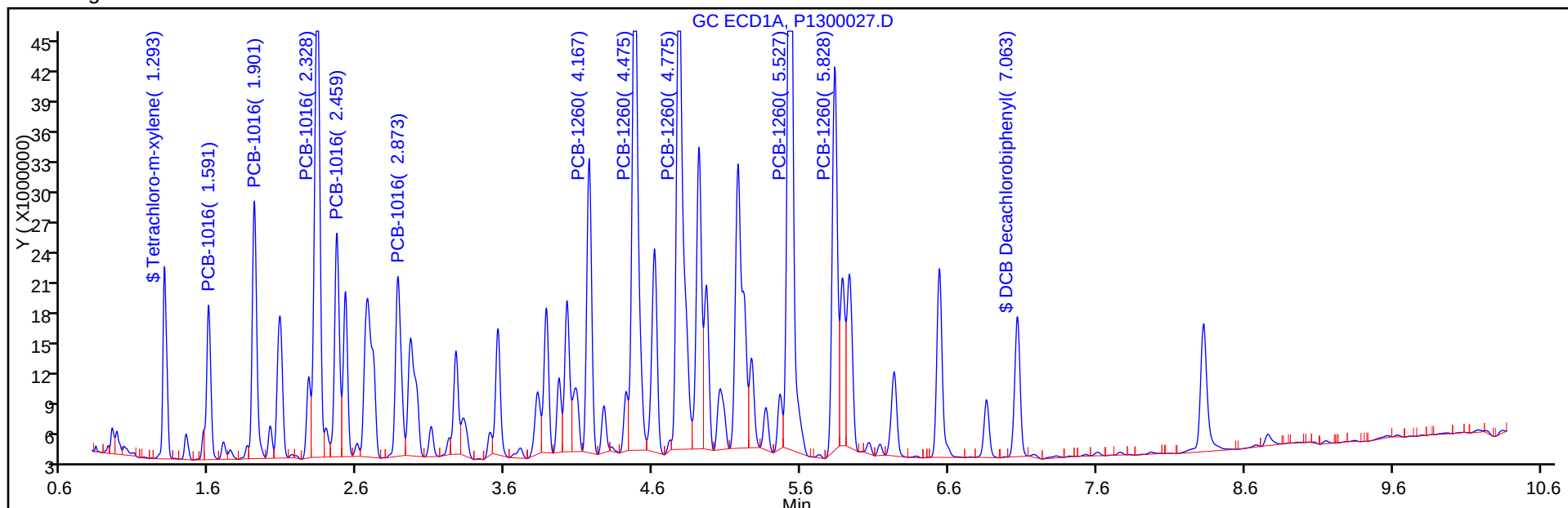
Operator ID:

Injection Vol: 1.0 1/cm

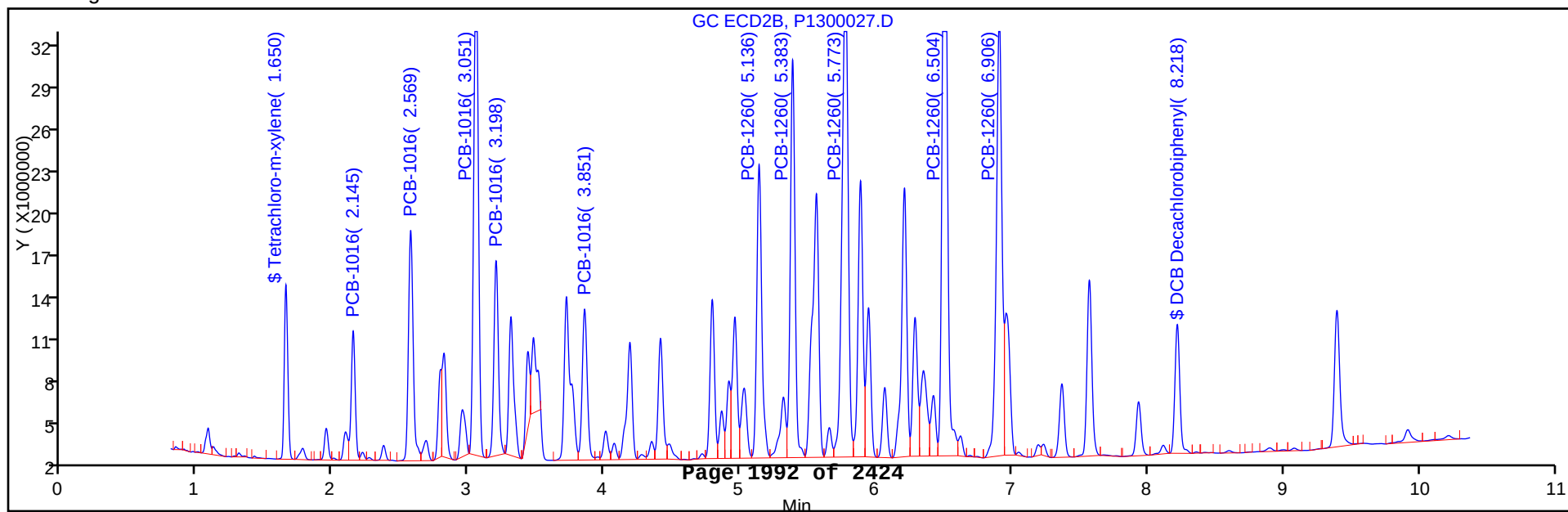
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica CantonJob No.: 240-17525-1

SDG No.: _____

Instrument ID: A2HP13Start Date: 10/21/2012 16:53Analysis Batch Number: 62068End Date: 10/22/2012 05:03

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
STD005 240-62068/3 IC		10/21/2012 16:53	1	P1300003.D	CLP-1 0.53 (mm)
STD005 240-62068/3 IC		10/21/2012 16:53	1	P1300003.D	CLP-2 0.53 (mm)
STD01 240-62068/4 IC		10/21/2012 17:08	1	P1300004.D	CLP-1 0.53 (mm)
STD01 240-62068/4 IC		10/21/2012 17:08	1	P1300004.D	CLP-2 0.53 (mm)
STD02 240-62068/5 IC		10/21/2012 17:23	1	P1300005.D	CLP-1 0.53 (mm)
STD02 240-62068/5 IC		10/21/2012 17:23	1	P1300005.D	CLP-2 0.53 (mm)
STD05 240-62068/6 IC		10/21/2012 17:38	1	P1300006.D	CLP-1 0.53 (mm)
STD05 240-62068/6 IC		10/21/2012 17:38	1	P1300006.D	CLP-2 0.53 (mm)
STD1 240-62068/7 IC		10/21/2012 17:53	1	P1300007.D	CLP-1 0.53 (mm)
STD1 240-62068/7 IC		10/21/2012 17:53	1	P1300007.D	CLP-2 0.53 (mm)
STD2 240-62068/8 IC		10/21/2012 18:07	1	P1300008.D	CLP-1 0.53 (mm)
STD2 240-62068/8 IC		10/21/2012 18:07	1	P1300008.D	CLP-2 0.53 (mm)
STD005 240-62068/9 IC		10/21/2012 18:22	1	P1300009.D	CLP-1 0.53 (mm)
STD005 240-62068/9 IC		10/21/2012 18:22	1	P1300009.D	CLP-2 0.53 (mm)
STD01 240-62068/10 IC		10/21/2012 18:37	1	P1300010.D	CLP-1 0.53 (mm)
STD01 240-62068/10 IC		10/21/2012 18:37	1	P1300010.D	CLP-2 0.53 (mm)
STD02 240-62068/11 IC		10/21/2012 18:52	1	P1300011.D	CLP-1 0.53 (mm)
STD02 240-62068/11 IC		10/21/2012 18:52	1	P1300011.D	CLP-2 0.53 (mm)
STD05 240-62068/12 IC		10/21/2012 19:07	1	P1300012.D	CLP-1 0.53 (mm)
STD05 240-62068/12 IC		10/21/2012 19:07	1	P1300012.D	CLP-2 0.53 (mm)
STD1 240-62068/13 IC		10/21/2012 19:22	1	P1300013.D	CLP-1 0.53 (mm)
STD1 240-62068/13 IC		10/21/2012 19:22	1	P1300013.D	CLP-2 0.53 (mm)
STD2 240-62068/14 IC		10/21/2012 19:37	1	P1300014.D	CLP-1 0.53 (mm)
STD2 240-62068/14 IC		10/21/2012 19:37	1	P1300014.D	CLP-2 0.53 (mm)
STD005 240-62068/15 IC		10/21/2012 19:52	1	P1300015.D	CLP-1 0.53 (mm)
STD005 240-62068/15 IC		10/21/2012 19:52	1	P1300015.D	CLP-2 0.53 (mm)
STD01 240-62068/16 IC		10/21/2012 20:07	1	P1300016.D	CLP-1 0.53 (mm)
STD01 240-62068/16 IC		10/21/2012 20:07	1	P1300016.D	CLP-2 0.53 (mm)
STD02 240-62068/17 IC		10/21/2012 20:22	1	P1300017.D	CLP-1 0.53 (mm)
STD02 240-62068/17 IC		10/21/2012 20:22	1	P1300017.D	CLP-2 0.53 (mm)
STD05 240-62068/18 IC		10/21/2012 20:37	1	P1300018.D	CLP-1 0.53 (mm)
STD05 240-62068/18 IC		10/21/2012 20:37	1	P1300018.D	CLP-2 0.53 (mm)
STD1 240-62068/19 IC		10/21/2012 20:52	1	P1300019.D	CLP-1 0.53 (mm)
STD1 240-62068/19 IC		10/21/2012 20:52	1	P1300019.D	CLP-2 0.53 (mm)
STD2 240-62068/20 IC		10/21/2012 21:07	1	P1300020.D	CLP-1 0.53 (mm)
STD2 240-62068/20 IC		10/21/2012 21:07	1	P1300020.D	CLP-2 0.53 (mm)
STD005 240-62068/21 IC		10/21/2012 21:21	1	P1300021.D	CLP-1 0.53 (mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica CantonJob No.: 240-17525-1

SDG No.: _____

Instrument ID: A2HP13Start Date: 10/21/2012 16:53Analysis Batch Number: 62068End Date: 10/22/2012 05:03

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
STD005 240-62068/21 IC		10/21/2012 21:21	1	P1300021.D	CLP-2 0.53 (mm)
STD01 240-62068/22 IC		10/21/2012 21:36	1	P1300022.D	CLP-1 0.53 (mm)
STD01 240-62068/22 IC		10/21/2012 21:36	1	P1300022.D	CLP-2 0.53 (mm)
STD02 240-62068/23 IC		10/21/2012 21:51	1	P1300023.D	CLP-1 0.53 (mm)
STD02 240-62068/23 IC		10/21/2012 21:51	1	P1300023.D	CLP-2 0.53 (mm)
STD05 240-62068/24 IC		10/21/2012 22:06	1	P1300024.D	CLP-1 0.53 (mm)
STD05 240-62068/24 IC		10/21/2012 22:06	1	P1300024.D	CLP-2 0.53 (mm)
STD1 240-62068/25 IC		10/21/2012 22:21	1	P1300025.D	CLP-1 0.53 (mm)
STD1 240-62068/25 IC		10/21/2012 22:21	1	P1300025.D	CLP-2 0.53 (mm)
STD2 240-62068/26 IC		10/21/2012 22:36	1	P1300026.D	CLP-1 0.53 (mm)
STD2 240-62068/26 IC		10/21/2012 22:36	1	P1300026.D	CLP-2 0.53 (mm)
STD005 240-62068/27 IC		10/21/2012 22:51	1	P1300027.D	CLP-1 0.53 (mm)
STD005 240-62068/27 IC		10/21/2012 22:51	1	P1300027.D	CLP-2 0.53 (mm)
STD01 240-62068/28 IC		10/21/2012 23:06	1	P1300028.D	CLP-1 0.53 (mm)
STD01 240-62068/28 IC		10/21/2012 23:06	1	P1300028.D	CLP-2 0.53 (mm)
STD02 240-62068/29 IC		10/21/2012 23:21	1	P1300029.D	CLP-1 0.53 (mm)
STD02 240-62068/29 IC		10/21/2012 23:21	1	P1300029.D	CLP-2 0.53 (mm)
STD05 240-62068/30 ICRT		10/21/2012 23:36	1	P1300030.D	CLP-1 0.53 (mm)
STD05 240-62068/30 ICRT		10/21/2012 23:36	1	P1300030.D	CLP-2 0.53 (mm)
STD1 240-62068/31 IC		10/21/2012 23:50	1	P1300031.D	CLP-1 0.53 (mm)
STD1 240-62068/31 IC		10/21/2012 23:50	1	P1300031.D	CLP-2 0.53 (mm)
STD2 240-62068/32 IC		10/22/2012 00:05	1	P1300032.D	CLP-1 0.53 (mm)
STD2 240-62068/32 IC		10/22/2012 00:05	1	P1300032.D	CLP-2 0.53 (mm)
STD005 240-62068/33 IC		10/22/2012 00:20	1		CLP-1 0.53 (mm)
STD005 240-62068/33 IC		10/22/2012 00:20	1		CLP-2 0.53 (mm)
STD01 240-62068/34 IC		10/22/2012 00:35	1		CLP-1 0.53 (mm)
STD01 240-62068/34 IC		10/22/2012 00:35	1		CLP-2 0.53 (mm)
STD02 240-62068/35 IC		10/22/2012 00:50	1		CLP-1 0.53 (mm)
STD02 240-62068/35 IC		10/22/2012 00:50	1		CLP-2 0.53 (mm)
STD05 240-62068/36 IC		10/22/2012 01:05	1		CLP-1 0.53 (mm)
STD05 240-62068/36 IC		10/22/2012 01:05	1		CLP-2 0.53 (mm)
STD1 240-62068/37 IC		10/22/2012 01:20	1		CLP-1 0.53 (mm)
STD1 240-62068/37 IC		10/22/2012 01:20	1		CLP-2 0.53 (mm)
STD2 240-62068/38 IC		10/22/2012 01:35	1		CLP-1 0.53 (mm)
STD2 240-62068/38 IC		10/22/2012 01:35	1		CLP-2 0.53 (mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-17525-1

SDG No.: _____

Instrument ID: A2HP13 Start Date: 10/21/2012 16:53Analysis Batch Number: 62068 End Date: 10/22/2012 05:03

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
STD005 240-62068/39 IC		10/22/2012 01:50	1		CLP-1 0.53 (mm)
STD005 240-62068/39 IC		10/22/2012 01:50	1		CLP-2 0.53 (mm)
STD01 240-62068/40 IC		10/22/2012 02:05	1		CLP-1 0.53 (mm)
STD01 240-62068/40 IC		10/22/2012 02:05	1		CLP-2 0.53 (mm)
STD02 240-62068/41 IC		10/22/2012 02:20	1		CLP-1 0.53 (mm)
STD02 240-62068/41 IC		10/22/2012 02:20	1		CLP-2 0.53 (mm)
STD05 240-62068/42 IC		10/22/2012 02:34	1		CLP-1 0.53 (mm)
STD05 240-62068/42 IC		10/22/2012 02:34	1		CLP-2 0.53 (mm)
STD1 240-62068/43 IC		10/22/2012 02:49	1		CLP-1 0.53 (mm)
STD1 240-62068/43 IC		10/22/2012 02:49	1		CLP-2 0.53 (mm)
STD2 240-62068/44 IC		10/22/2012 03:04	1		CLP-1 0.53 (mm)
STD2 240-62068/44 IC		10/22/2012 03:04	1		CLP-2 0.53 (mm)
ICV 240-62068/45		10/22/2012 03:19	1	P1300045.D	CLP-1 0.53 (mm)
ICV 240-62068/45		10/22/2012 03:19	1	P1300045.D	CLP-2 0.53 (mm)
ICV 240-62068/46		10/22/2012 03:34	1	P1300046.D	CLP-1 0.53 (mm)
ICV 240-62068/46		10/22/2012 03:34	1	P1300046.D	CLP-2 0.53 (mm)
ICV 240-62068/47		10/22/2012 03:49	1	P1300047.D	CLP-1 0.53 (mm)
ICV 240-62068/47		10/22/2012 03:49	1	P1300047.D	CLP-2 0.53 (mm)
ICV 240-62068/48		10/22/2012 04:04	1	P1300048.D	CLP-1 0.53 (mm)
ICV 240-62068/48		10/22/2012 04:04	1	P1300048.D	CLP-2 0.53 (mm)
ICV 240-62068/49		10/22/2012 04:19	1	P1300049.D	CLP-1 0.53 (mm)
ICV 240-62068/49		10/22/2012 04:19	1	P1300049.D	CLP-2 0.53 (mm)
ICV 240-62068/50		10/22/2012 04:34	1	P1300050.D	CLP-1 0.53 (mm)
ICV 240-62068/50		10/22/2012 04:34	1	P1300050.D	CLP-2 0.53 (mm)
ICV 240-62068/51		10/22/2012 04:49	1		CLP-1 0.53 (mm)
ICV 240-62068/51		10/22/2012 04:49	1		CLP-2 0.53 (mm)
ICV 240-62068/52		10/22/2012 05:03	1		CLP-1 0.53 (mm)
ICV 240-62068/52		10/22/2012 05:03	1		CLP-2 0.53 (mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica CantonJob No.: 240-17525-1

SDG No.: _____

Instrument ID: A2HP13Start Date: 11/27/2012 02:07Analysis Batch Number: 66323End Date: 11/27/2012 09:04

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
MRL 240-66323/3		11/27/2012 02:07	1	P1300003.D	CLP-1 0.53 (mm)
MRL 240-66323/3		11/27/2012 02:07	1	P1300003.D	CLP-2 0.53 (mm)
CCV 240-66323/4 CCVRT		11/27/2012 02:21	1	P1300004.D	CLP-1 0.53 (mm)
CCV 240-66323/4 CCVRT		11/27/2012 02:21	1	P1300004.D	CLP-2 0.53 (mm)
ZZZZZ		11/27/2012 04:06	1		CLP-1 0.53 (mm)
ZZZZZ		11/27/2012 04:06	1		CLP-2 0.53 (mm)
ZZZZZ		11/27/2012 04:21	1		CLP-1 0.53 (mm)
ZZZZZ		11/27/2012 04:21	1		CLP-2 0.53 (mm)
ZZZZZ		11/27/2012 04:36	1		CLP-1 0.53 (mm)
ZZZZZ		11/27/2012 04:36	1		CLP-2 0.53 (mm)
ZZZZZ		11/27/2012 04:51	1		CLP-1 0.53 (mm)
ZZZZZ		11/27/2012 04:51	1		CLP-2 0.53 (mm)
ZZZZZ		11/27/2012 05:06	1		CLP-1 0.53 (mm)
ZZZZZ		11/27/2012 05:06	1		CLP-2 0.53 (mm)
ZZZZZ		11/27/2012 05:21	1		CLP-1 0.53 (mm)
ZZZZZ		11/27/2012 05:21	1		CLP-2 0.53 (mm)
ZZZZZ		11/27/2012 05:35	1		CLP-1 0.53 (mm)
ZZZZZ		11/27/2012 05:35	1		CLP-2 0.53 (mm)
MB 240-65753/23-A		11/27/2012 05:50	1	P1300018.D	CLP-1 0.53 (mm)
MB 240-65753/23-A		11/27/2012 05:50	1	P1300018.D	CLP-2 0.53 (mm)
CCV 240-66323/19		11/27/2012 06:05	1	P1300019.D	CLP-1 0.53 (mm)
CCV 240-66323/19		11/27/2012 06:05	1	P1300019.D	CLP-2 0.53 (mm)
ZZZZZ		11/27/2012 06:20	1		CLP-1 0.53 (mm)
ZZZZZ		11/27/2012 06:20	1		CLP-2 0.53 (mm)
240-17525-1	069SS-0001M-0001-S0	11/27/2012 06:35	1	P1300021.D	CLP-1 0.53 (mm)
240-17525-1	069SS-0001M-0001-S0	11/27/2012 06:35	1	P1300021.D	CLP-2 0.53 (mm)
240-17525-1 MS	069SS-0001M-0001-S0 MS	11/27/2012 06:50	1	P1300022.D	CLP-1 0.53 (mm)
240-17525-1 MS	069SS-0001M-0001-S0 MS	11/27/2012 06:50	1	P1300022.D	CLP-2 0.53 (mm)
240-17525-1 MSD	069SS-0001M-0001-S0 MSD	11/27/2012 07:05	1	P1300023.D	CLP-1 0.53 (mm)
240-17525-1 MSD	069SS-0001M-0001-S0 MSD	11/27/2012 07:05	1	P1300023.D	CLP-2 0.53 (mm)
240-17525-2	069SS-0002M-0001-SO	11/27/2012 07:20	1	P1300024.D	CLP-1 0.53 (mm)
240-17525-2	069SS-0002M-0001-SO	11/27/2012 07:20	1	P1300024.D	CLP-2 0.53 (mm)
240-17525-5	077SS-0001M-0001-SO	11/27/2012 07:35	1	P1300025.D	CLP-1 0.53 (mm)
240-17525-5	077SS-0001M-0001-SO	11/27/2012 07:35	1	P1300025.D	CLP-2 0.53 (mm)
240-17525-5 MS	077SS-0001M-0001-SO MS	11/27/2012 07:50	1	P1300026.D	CLP-1 0.53 (mm)
240-17525-5 MS	077SS-0001M-0001-SO MS	11/27/2012 07:50	1	P1300026.D	CLP-2 0.53 (mm)
240-17525-5 MSD	077SS-0001M-0001-SO MSD	11/27/2012 08:05	1	P1300027.D	CLP-1 0.53 (mm)
240-17525-5 MSD	077SS-0001M-0001-SO MSD	11/27/2012 08:05	1	P1300027.D	CLP-2 0.53 (mm)
240-17525-6	077SS-0002M-0001-SO	11/27/2012 08:20	1	P1300028.D	CLP-1 0.53 (mm)
240-17525-6	077SS-0002M-0001-SO	11/27/2012 08:20	1	P1300028.D	CLP-2 0.53 (mm)
LCS 240-65753/24-A		11/27/2012 08:35	1	P1300029.D	CLP-1 0.53 (mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-17525-1

SDG No.: _____

Instrument ID: A2HP13 Start Date: 11/27/2012 02:07Analysis Batch Number: 66323 End Date: 11/27/2012 09:04

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
LCS 240-65753/24-A		11/27/2012 08:35	1	P1300029.D	CLP-2 0.53 (mm)
CCV 240-66323/30		11/27/2012 08:49	1	P1300030.D	CLP-1 0.53 (mm)
CCV 240-66323/30		11/27/2012 08:49	1	P1300030.D	CLP-2 0.53 (mm)
MRL 240-66323/31		11/27/2012 09:04	1	P1300031.D	CLP-1 0.53 (mm)
MRL 240-66323/31		11/27/2012 09:04	1	P1300031.D	CLP-2 0.53 (mm)

PCBS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-17525-1

SDG No.: _____

Batch Number: 65753 Batch Start Date: 11/20/12 14:40 Batch Analyst: Cerne, AmandaBatch Method: 3540C Batch End Date: 11/21/12 06:40

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	EX10PPMSPK 00006	EX2/.2SURRW 00019	AnalysisComment	
240-17525-A-1-A	069SS-0001M-0001 -SO	3540C, 8082/DOD	T	30.34 g	10 mL		1 mL	Associated w/ 65759	
240-17525-A-1-B MS	069SS-0001M-0001 -SO	3540C, 8082/DOD	T	30.04 g	10 mL	1 mL	1 mL		
240-17525-A-1-C MSD	069SS-0001M-0001 -SO	3540C, 8082/DOD	T	30.16 g	10 mL	1 mL	1 mL		
240-17525-A-2-A	069SS-0002M-0001 -SO	3540C, 8082/DOD	T	29.77 g	10 mL		1 mL	Associated w/ 65759	
240-17525-A-5-A	077SS-0001M-0001 -SO	3540C, 8082/DOD	T	29.82 g	10 mL		1 mL	Associated w/ 65759	
240-17525-A-5-B MS	077SS-0001M-0001 -SO	3540C, 8082/DOD	T	29.73 g	10 mL	1 mL	1 mL		
240-17525-A-5-C MSD	077SS-0001M-0001 -SO	3540C, 8082/DOD	T	29.71 g	10 mL	1 mL	1 mL		
240-17525-A-6-A	077SS-0002M-0001 -SO	3540C, 8082/DOD	T	30.49 g	10 mL		1 mL	Associated w/ 65759	
MB 240-65753/23		3540C, 8082/DOD		30.00 g	10 mL		1 mL	Associated w/ 65759	
LCS 240-65753/24		3540C, 8082/DOD		30.00 g	10 mL	1 mL	1 mL		

Batch Notes	
Acid used for Clean Up Reagent	724998
Balance ID	b036
Person's name who did the concentration	cc/lh
Exchange Solvent Lot #	671346
Na2SO4 Lot Number	677239
Prep Solvent Lot #	719013

Basis	Basis Description
T	Total/NA

Method 8330

Nitroguanidine

Nitroguanidine (HPLC) by Method 8330

FORM III
HPLC/IC LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1

SDG No.: _____

Matrix: Solid Level: Low Lab File ID: 320-0001600-012-1.d

Lab ID: LCS 320-6242/2-A Client ID: _____

COMPOUND	SPIKE ADDED (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC	QC LIMITS REC	#
Nitroguanidine	1.00	0.978	98	72-121	

Column to be used to flag recovery and RPD values

FORM III 8330 Modified

FORM III
HPLC/IC MATRIX SPIKE RECOVERY

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1
SDG No.: _____
Matrix: Solid Level: Low Lab File ID: 320-0001600-019-1.d
Lab ID: 240-17525-1 MS Client ID: 069SS-0001M-0001-S0 MS

COMPOUND	SPIKE ADDED (mg/Kg)	SAMPLE CONCENTRATION (mg/Kg)	MS CONCENTRATION (mg/Kg)	MS % REC	QC LIMITS REC	#
Nitroguanidine	0.980	0.16 J	0.916	77	72-121	

Column to be used to flag recovery and RPD values

FORM III 8330 Modified

FORM III
HPLC/IC MATRIX SPIKE RECOVERY

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1
SDG No.: _____
Matrix: Solid Level: Low Lab File ID: 320-0001600-023-1.d
Lab ID: 240-17525-5 MS Client ID: 077SS-0001M-0001-SO MS

COMPOUND	SPIKE ADDED (mg/Kg)	SAMPLE CONCENTRATION (mg/Kg)	MS CONCENTRATION (mg/Kg)	MS % REC	QC LIMITS REC	#
Nitroguanidine	0.980	0.040 U	0.821	84	72-121	

Column to be used to flag recovery and RPD values

FORM III
HPLC/IC MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1
SDG No.: _____
Matrix: Solid Level: Low Lab File ID: 320-0001600-020-1.d
Lab ID: 240-17525-1 MSD Client ID: 069SS-0001M-0001-S0 MSD

COMPOUND	SPIKE ADDED (mg/Kg)	MSD CONCENTRATION (mg/Kg)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Nitroguanidine	0.980	0.895	74	2	20	72-121	

Column to be used to flag recovery and RPD values

FORM III
HPLC/IC MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1
SDG No.: _____
Matrix: Solid Level: Low Lab File ID: 320-0001600-024-1.d
Lab ID: 240-17525-5 MSD Client ID: 077SS-0001M-0001-SO MSD

COMPOUND	SPIKE ADDED (mg/Kg)	MSD CONCENTRATION (mg/Kg)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Nitroguanidine	0.952	0.805	84	2	20	72-121	

Column to be used to flag recovery and RPD values

FORM IV
HPLC/IC METHOD BLANK SUMMARY

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1
 SDG No.: _____
 Lab File ID: 320-0001600-011-1.d Lab Sample ID: MB 320-6242/1-A
 Matrix: Solid Date Extracted: 11/21/2012 14:38
 Instrument ID: PDA1 Date Analyzed: 11/29/2012 17:24
 Level: (Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 320-6242/2-A	320-0001600 -012-1.d	11/29/2012 17:38
069SS-0001M-0001-S0	240-17525-1	320-0001600 -018-1.d	11/29/2012 19:04
069SS-0001M-0001-S0 MS	240-17525-1 MS	320-0001600 -019-1.d	11/29/2012 19:19
069SS-0001M-0001-S0 MSD	240-17525-1 MSD	320-0001600 -020-1.d	11/29/2012 19:33
069SS-0002M-0001-S0	240-17525-2	320-0001600 -021-1.d	11/29/2012 19:47
077SS-0001M-0001-S0	240-17525-5	320-0001600 -022-1.d	11/29/2012 20:02
077SS-0001M-0001-S0 MS	240-17525-5 MS	320-0001600 -023-1.d	11/29/2012 20:16
077SS-0001M-0001-S0 MSD	240-17525-5 MSD	320-0001600 -024-1.d	11/29/2012 20:30
077SS-0002M-0001-S0	240-17525-6	320-0001600 -025-1.d	11/29/2012 20:45

FORM IV
HPLC/IC METHOD BLANK SUMMARY

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1
SDG No.: _____
Lab File ID: 320-0001606-005-1.d Lab Sample ID: MB 320-6242/1-A
Matrix: Solid Date Extracted: 11/21/2012 14:38
Instrument ID: PDA1 Date Analyzed: 11/30/2012 11:01
Level: (Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
069SS-0001M-0001-S0	240-17525-1	320-0001606 -006-1.d	11/30/2012 11:21
069SS-0002M-0001-S0	240-17525-2	320-0001606 -007-1.d	11/30/2012 11:41
077SS-0002M-0001-S0	240-17525-6	320-0001606 -008-1.d	11/30/2012 12:01

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1
SDG No.: _____
Client Sample ID: 069SS-0001M-0001-S0 Lab Sample ID: 240-17525-1
Matrix: Solid Lab File ID: 320-0001600-018-1.d
Analysis Method: 8330 Modified Date Collected: 11/11/2012 09:15
Extraction Method: Sieve/Ultrasoni Date Extracted: 11/21/2012 14:38
Sample wt/vol: 2.05(g) Date Analyzed: 11/29/2012 19:04
Con. Extract Vol.: 10.00 (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.: 6611 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
556-88-7	Nitroguanidine	0.16	J	0.24	0.039	0.020

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\PDA1\20121129-1600.b\320-0001600-018-1.d
Lims ID: 240-17525-O-1-A Client ID: 069SS-0001M-0001-S0
Inject. Date: 29-Nov-2012 19:04:00 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 320-0001600-018 Analysis
Misc. Info.: none
Operator: RN Instrument ID: PDA1
Injection Vol: 50.0 ul ALS Bottle#: 0
Lims Batch ID: 6611 Lims Sample ID: 18
Detector: GC 320-0001600-018-1
Method: \\SACChrom\ChromData\PDA1\20121129-1600.b\NGu Primary.m
Last Update: 30-Nov-2012 07:43:42 Calib Date: 17-Oct-2012 10:41:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\PDA1\20121016-1075.b\HPNQL7_00003-1.d
Limit Group: LC 8330 Ngu ICAL
Integrator: Falcon
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm
Process Host: XAWRK002

First Level Reviewer: noonanr

Date: 30-Nov-2012 07:43:42

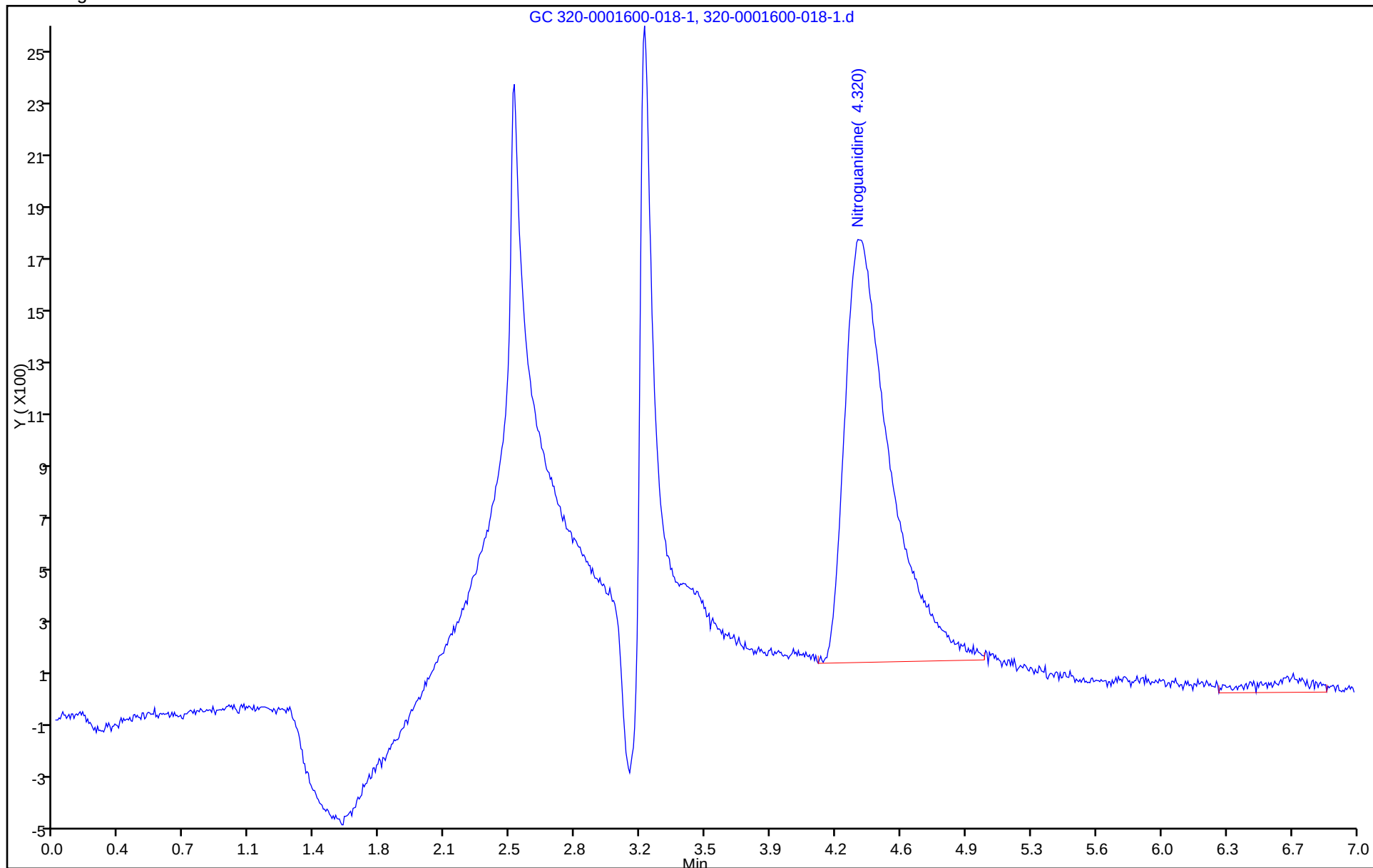
RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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1 Nitroguanidine
4.320 4.240 0.080 1590 33.7

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\PDA1\20121129-1600.b\320-0001600-018-1.d
Injection Date: 29-Nov-2012 19:04:00 Limit Group: LC 8330 Ngu ICAL
Client ID: 069SS-0001M-0001-S0 Instrument ID: PDA1
Lims Batch ID: 6611 Lims Sample ID: 18
Operator ID: RN Injection Vol: 50.0 ul
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm

Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1
SDG No.: _____
Client Sample ID: 069SS-0001M-0001-S0 Lab Sample ID: 240-17525-1
Matrix: Solid Lab File ID: 320-0001606-006-1.d
Analysis Method: 8330 Modified Date Collected: 11/11/2012 09:15
Extraction Method: Sieve/Ultrasoni Date Extracted: 11/21/2012 14:38
Sample wt/vol: 2.05(g) Date Analyzed: 11/30/2012 11:21
Con. Extract Vol.: 10.00(mL) Dilution Factor: 1
Injection Volume: 50(uL) GC Column: _____ ID: _____
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 6629 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
556-88-7	Nitroguanidine	0.039	U	0.24	0.039	0.020

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\PDA1\20121130-1606.b\320-0001606-006-1.d
Lims ID: 240-17525-O-1-A Client ID: 069SS-0001M-0001-S0
Inject. Date: 30-Nov-2012 11:21:00 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 320-0001606-006 Analysis
Misc. Info.: none
Operator: RN Instrument ID: PDA1
Injection Vol: 50.0 ul ALS Bottle#: 0
Lims Batch ID: 6629 Lims Sample ID: 6
Detector: GC 320-0001606-006-1
Method: \\SACChrom\ChromData\PDA1\20121130-1606.b\NQ CONFIRMATION.m
Last Update: 30-Nov-2012 12:12:11 Calib Date: 19-Oct-2012 17:37:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\PDA1\20121019-1096.b\HPNQL7_00003001-1.d
Limit Group: LC 8330 Ngu ICAL
Integrator: Falcon
Column Type: Synergi 4u Hydro-RP80A Column Dia: 4.00 mm
Process Host: XAWRK002

First Level Reviewer: noonanr

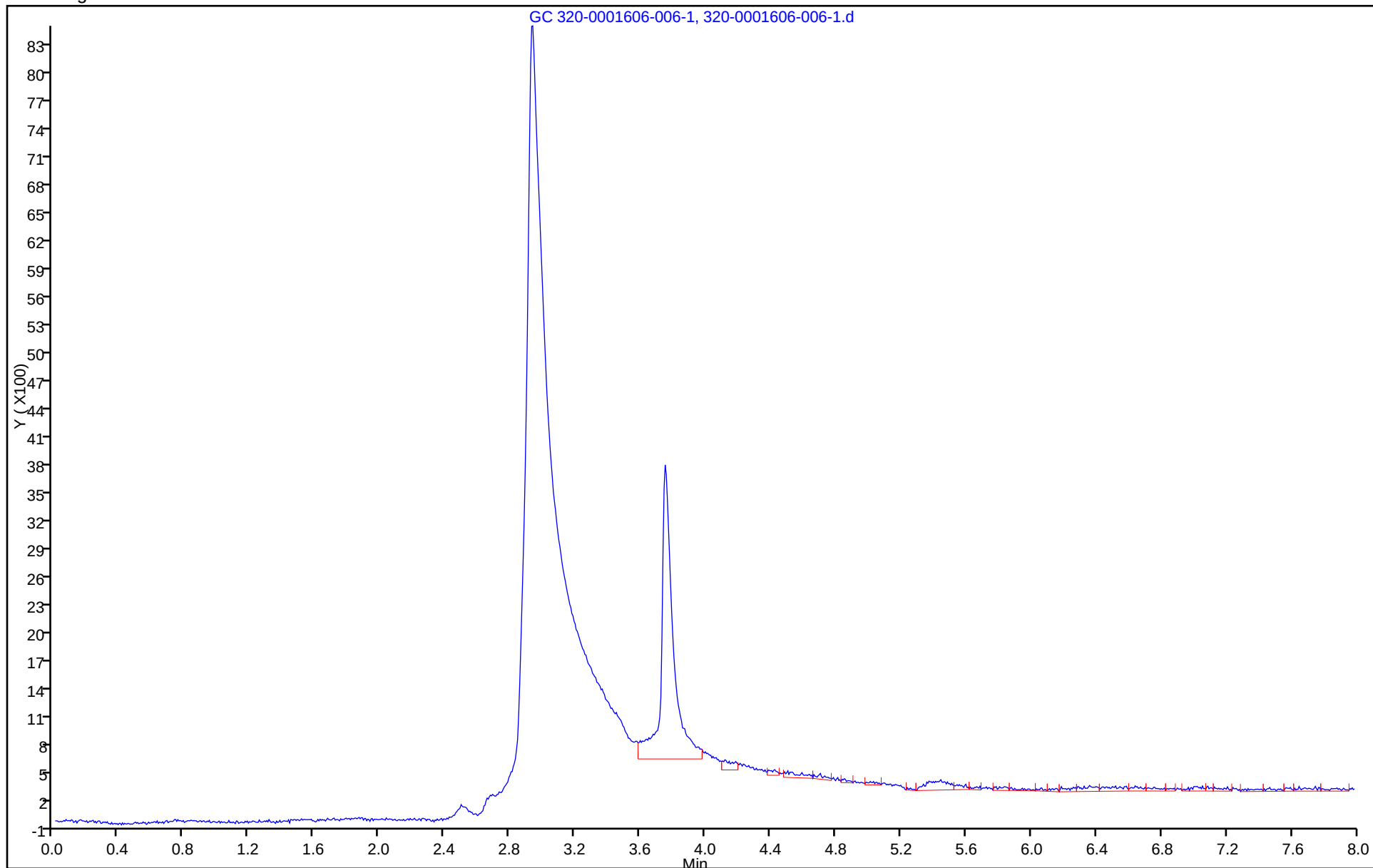
Date: 30-Nov-2012 12:12:39

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

Data File: \\SACChrom\ChromData\PDA1\20121130-1606.b\320-0001606-006-1.d
Injection Date: 30-Nov-2012 11:21:00 Limit Group: LC 8330 Ngu ICAL
Client ID: 069SS-0001M-0001-S0 Instrument ID: PDA1
Lims Batch ID: 6629 Lims Sample ID: 6
Operator ID: RN Injection Vol: 50.0 ul
Column Type: Synergi 4u Hydro-RP80A Column Dia: 4.00 mm

Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1
SDG No.: _____
Client Sample ID: 069SS-0002M-0001-SO Lab Sample ID: 240-17525-2
Matrix: Solid Lab File ID: 320-0001600-021-1.d
Analysis Method: 8330 Modified Date Collected: 11/11/2012 09:15
Extraction Method: Sieve/Ultrasoni Date Extracted: 11/21/2012 14:38
Sample wt/vol: 2.11(g) Date Analyzed: 11/29/2012 19:47
Con. Extract Vol.: 10.00 (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.: 6611 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
556-88-7	Nitroguanidine	0.34		0.24	0.038	0.019

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\PDA1\20121129-1600.b\320-0001600-021-1.d
Lims ID: 240-17525-F-2-A Client ID: 069SS-0002M-0001-SO
Inject. Date: 29-Nov-2012 19:47:00 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 320-0001600-021 Analysis
Misc. Info.: none
Operator: RN Instrument ID: PDA1
Injection Vol: 50.0 ul ALS Bottle#: 0
Lims Batch ID: 6611 Lims Sample ID: 21
Detector: GC 320-0001600-021-1
Method: \\SACChrom\ChromData\PDA1\20121129-1600.b\NGu Primary.m
Last Update: 30-Nov-2012 07:44:49 Calib Date: 17-Oct-2012 10:41:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\PDA1\20121016-1075.b\HPNQL7_00003-1.d
Limit Group: LC 8330 Ngu ICAL
Integrator: Falcon
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm
Process Host: XAWRK002

First Level Reviewer: noonanr

Date: 30-Nov-2012 07:44:49

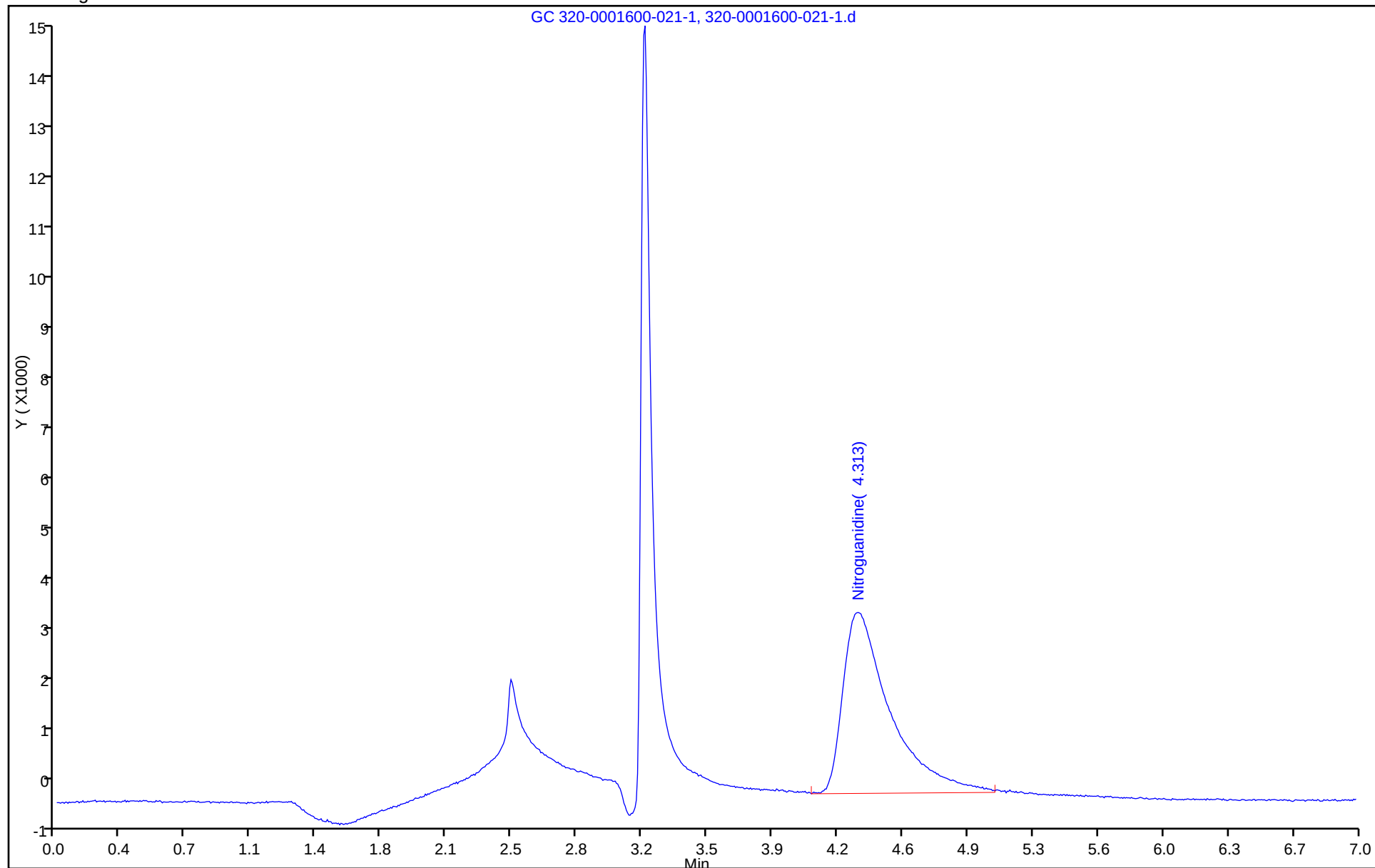
RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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1 Nitroguanidine
4.313 4.240 0.073 3408 72.3

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\PDA1\20121129-1600.b\320-0001600-021-1.d
Injection Date: 29-Nov-2012 19:47:00 Limit Group: LC 8330 Ngu ICAL
Client ID: 069SS-0002M-0001-SO Instrument ID: PDA1
Lims Batch ID: 6611 Lims Sample ID: 21
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 West Sacramento Job No.: 240-17525-1
SDG No.: _____
Client Sample ID: 069SS-0002M-0001-SO Lab Sample ID: 240-17525-2
Matrix: Solid Lab File ID: 320-0001606-007-1.d
Analysis Method: 8330 Modified Date Collected: 11/11/2012 09:15
Extraction Method: Sieve/Ultrasoni Date Extracted: 11/21/2012 14:38
Sample wt/vol: 2.11(g) Date Analyzed: 11/30/2012 11:41
Con. Extract Vol.: 10.00(mL) Dilution Factor: 1
Injection Volume: 50(uL) GC Column: _____ ID: _____
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 6629 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
556-88-7	Nitroguanidine	0.038	U	0.24	0.038	0.019

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\PDA1\20121130-1606.b\320-0001606-007-1.d
Lims ID: 240-17525-F-2-A Client ID: 069SS-0002M-0001-SO
Inject. Date: 30-Nov-2012 11:41:00 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 320-0001606-007 Analysis
Misc. Info.: none
Operator: RN Instrument ID: PDA1
Injection Vol: 50.0 ul ALS Bottle#: 0
Lims Batch ID: 6629 Lims Sample ID: 7
Detector: GC 320-0001606-007-1
Method: \\SACChrom\ChromData\PDA1\20121130-1606.b\NQ CONFIRMATION.m
Last Update: 30-Nov-2012 12:12:11 Calib Date: 19-Oct-2012 17:37:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\PDA1\20121019-1096.b\HPNQL7_00003001-1.d
Limit Group: LC 8330 Ngu ICAL
Integrator: Falcon
Column Type: Synergi 4u Hydro-RP80A Column Dia: 4.00 mm
Process Host: XAWRK002

First Level Reviewer: noonanr

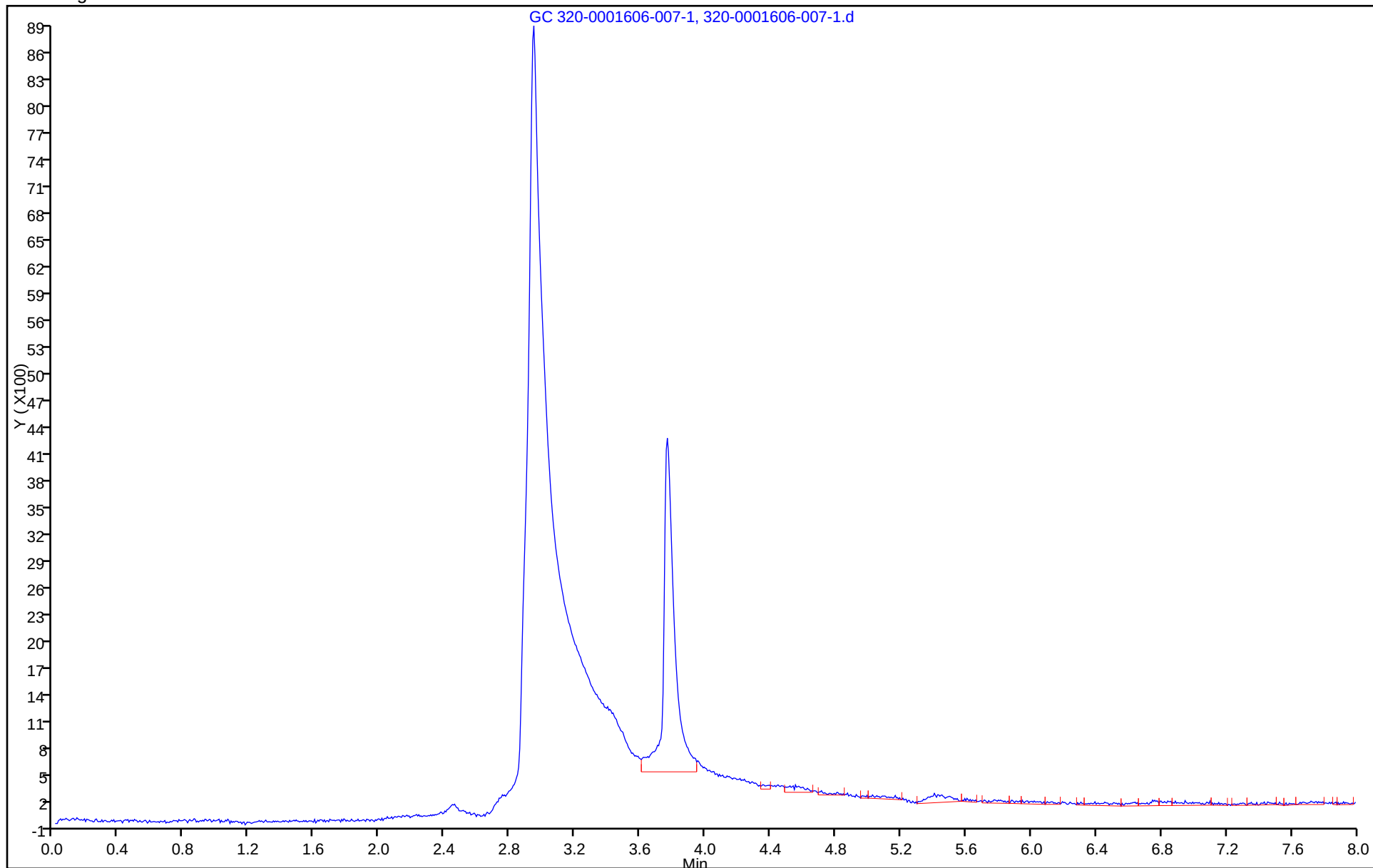
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RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\PDA1\20121130-1606.b\320-0001606-007-1.d
Injection Date: 30-Nov-2012 11:41:00 Limit Group: LC 8330 Ngu ICAL
Client ID: 069SS-0002M-0001-SO Instrument ID: PDA1
Lims Batch ID: 6629 Lims Sample ID: 7
Operator ID: RN Injection Vol: 50.0 ul
Column Type: Synergi 4u Hydro-RP80A Column Dia: 4.00 mm

Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1
SDG No.: _____
Client Sample ID: 077SS-0001M-0001-SO Lab Sample ID: 240-17525-5
Matrix: Solid Lab File ID: 320-0001600-022-1.d
Analysis Method: 8330 Modified Date Collected: 11/11/2012 10:45
Extraction Method: Sieve/Ultrasoni Date Extracted: 11/21/2012 14:38
Sample wt/vol: 1.98(g) Date Analyzed: 11/29/2012 20:02
Con. Extract Vol.: 10.00(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.: 6611 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\20121129-1600.b\320-0001600-022-1.d
Lims ID: 240-17525-P-5-A Client ID: 077SS-0001M-0001-SO
Inject. Date: 29-Nov-2012 20:02:00 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 320-0001600-022 Analysis
Misc. Info.: none
Operator: RN Instrument ID: PDA1
Injection Vol: 50.0 ul ALS Bottle#: 0
Lims Batch ID: 6611 Lims Sample ID: 22
Detector: GC 320-0001600-022-1
Method: \\SACChrom\ChromData\PDA1\20121129-1600.b\NGu Primary.m
Last Update: 30-Nov-2012 07:45:17 Calib Date: 17-Oct-2012 10:41:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\PDA1\20121016-1075.b\HPNQL7_00003-1.d
Limit Group: LC 8330 Ngu ICAL
Integrator: Falcon
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm
Process Host: XAWRK002

First Level Reviewer: noonanr

Date: 30-Nov-2012 07:45:17

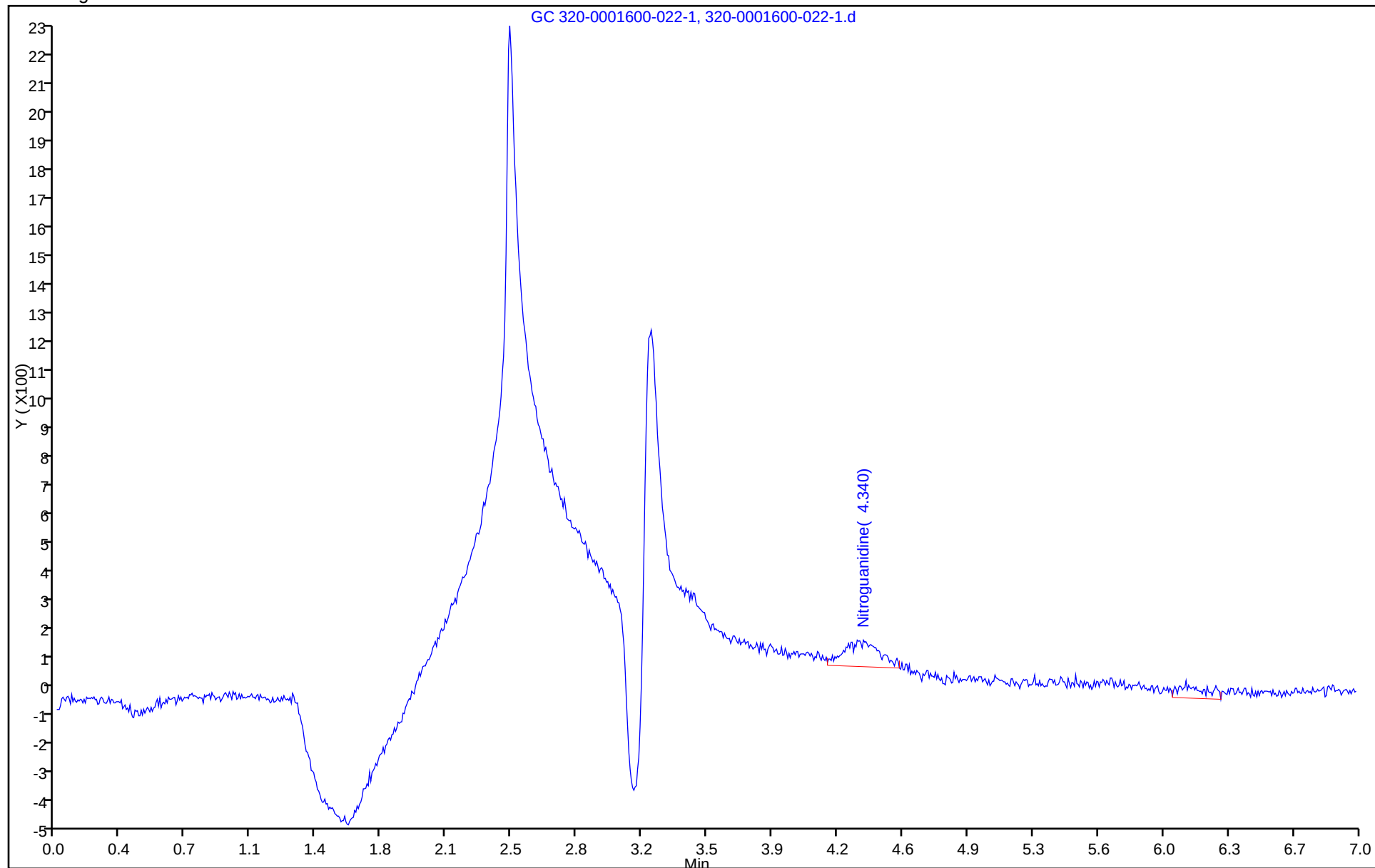
RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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1 Nitroguanidine
4.340 4.240 0.100 89 1.89

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\PDA1\20121129-1600.b\320-0001600-022-1.d
Injection Date: 29-Nov-2012 20:02:00 Limit Group: LC 8330 Ngu ICAL
Client ID: 077SS-0001M-0001-SO Instrument ID: PDA1
Lims Batch ID: 6611 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:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1
SDG No.: _____
Client Sample ID: 077SS-0002M-0001-SO Lab Sample ID: 240-17525-6
Matrix: Solid Lab File ID: 320-0001600-025-1.d
Analysis Method: 8330 Modified Date Collected: 11/11/2012 10:45
Extraction Method: Sieve/Ultrasoni Date Extracted: 11/21/2012 14:38
Sample wt/vol: 2.07 (g) Date Analyzed: 11/29/2012 20:45
Con. Extract Vol.: 10.00 (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.: 6611 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
556-88-7	Nitroguanidine	0.055	J	0.24	0.039	0.019

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\PDA1\20121129-1600.b\320-0001600-025-1.d
Lims ID: 240-17525-F-6-A Client ID: 077SS-0002M-0001-SO
Inject. Date: 29-Nov-2012 20:45:00 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 320-0001600-025 Analysis
Misc. Info.: none
Operator: RN Instrument ID: PDA1
Injection Vol: 50.0 ul ALS Bottle#: 0
Lims Batch ID: 6611 Lims Sample ID: 25
Detector: GC 320-0001600-025-1
Method: \\SACChrom\ChromData\PDA1\20121129-1600.b\NGu Primary.m
Last Update: 30-Nov-2012 07:46:08 Calib Date: 17-Oct-2012 10:41:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\PDA1\20121016-1075.b\HPNQL7_00003-1.d
Limit Group: LC 8330 Ngu ICAL
Integrator: Falcon
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm
Process Host: XAWRK002

First Level Reviewer: noonanr

Date: 30-Nov-2012 07:46:08

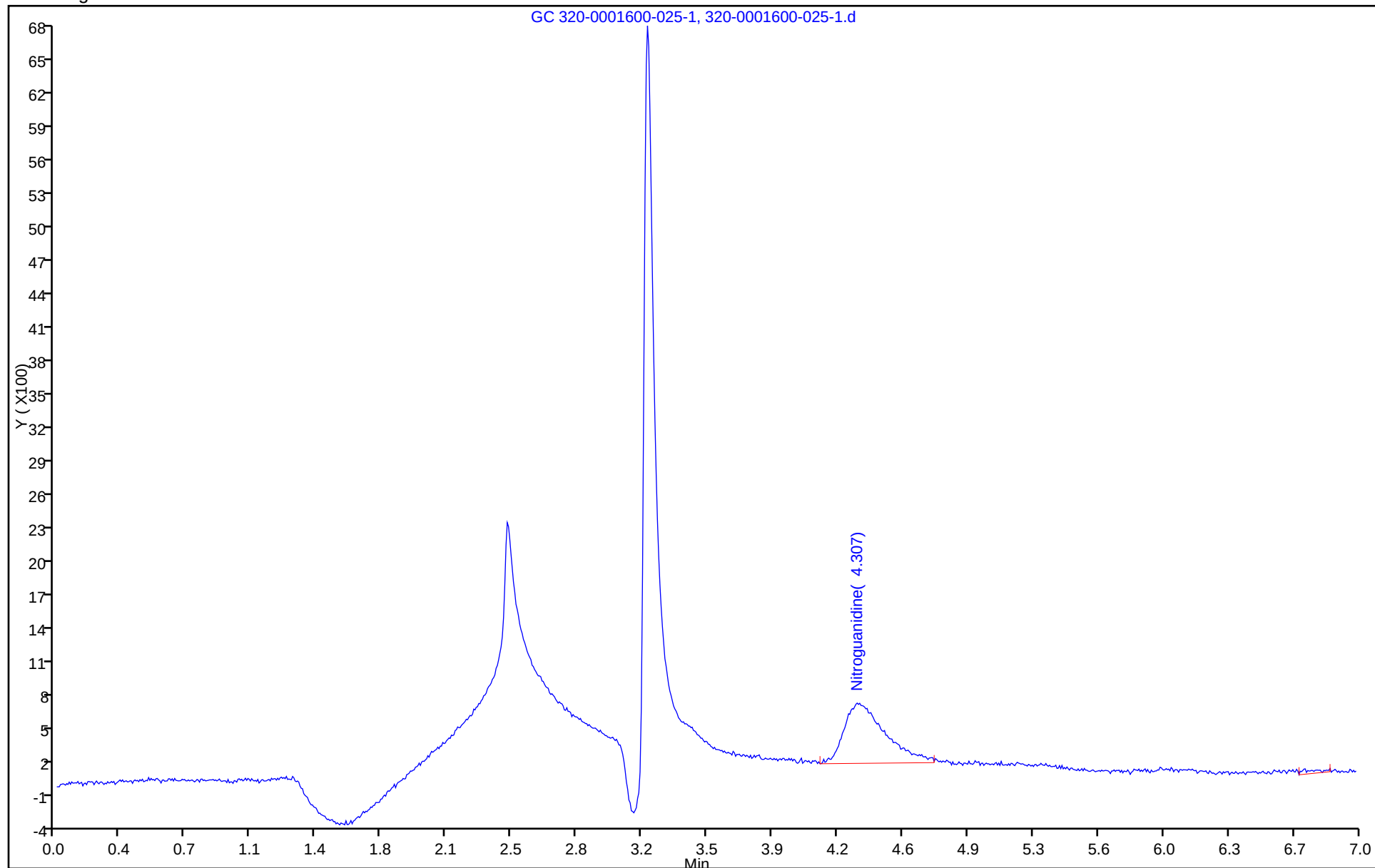
RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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1 Nitroguanidine
4.307 4.240 0.067 541 11.5

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\PDA1\20121129-1600.b\320-0001600-025-1.d
Injection Date: 29-Nov-2012 20:45:00 Limit Group: LC 8330 Ngu ICAL
Client ID: 077SS-0002M-0001-SO Instrument ID: PDA1
Lims Batch ID: 6611 Lims Sample ID: 25
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 West Sacramento Job No.: 240-17525-1
SDG No.: _____
Client Sample ID: 077SS-0002M-0001-SO Lab Sample ID: 240-17525-6
Matrix: Solid Lab File ID: 320-0001606-008-1.d
Analysis Method: 8330 Modified Date Collected: 11/11/2012 10:45
Extraction Method: Sieve/Ultrasoni Date Extracted: 11/21/2012 14:38
Sample wt/vol: 2.07 (g) Date Analyzed: 11/30/2012 12:01
Con. Extract Vol.: 10.00 (mL) Dilution Factor: 1
Injection Volume: 50 (uL) GC Column: _____ ID: _____
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 6629 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
556-88-7	Nitroguanidine	0.039	U	0.24	0.039	0.019

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\PDA1\20121130-1606.b\320-0001606-008-1.d
Lims ID: 240-17525-F-6-A Client ID: 077SS-0002M-0001-SO
Inject. Date: 30-Nov-2012 12:01:00 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 320-0001606-008 Analysis
Misc. Info.: none
Operator: RN Instrument ID: PDA1
Injection Vol: 50.0 ul ALS Bottle#: 0
Lims Batch ID: 6629 Lims Sample ID: 8
Detector: GC 320-0001606-008-1
Method: \\SACChrom\ChromData\PDA1\20121130-1606.b\NQ CONFIRMATION.m
Last Update: 30-Nov-2012 12:12:11 Calib Date: 19-Oct-2012 17:37:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\PDA1\20121019-1096.b\HPNQL7_00003001-1.d
Limit Group: LC 8330 Ngu ICAL
Integrator: Falcon
Column Type: Synergi 4u Hydro-RP80A Column Dia: 4.00 mm
Process Host: XAWRK002

First Level Reviewer: noonanr

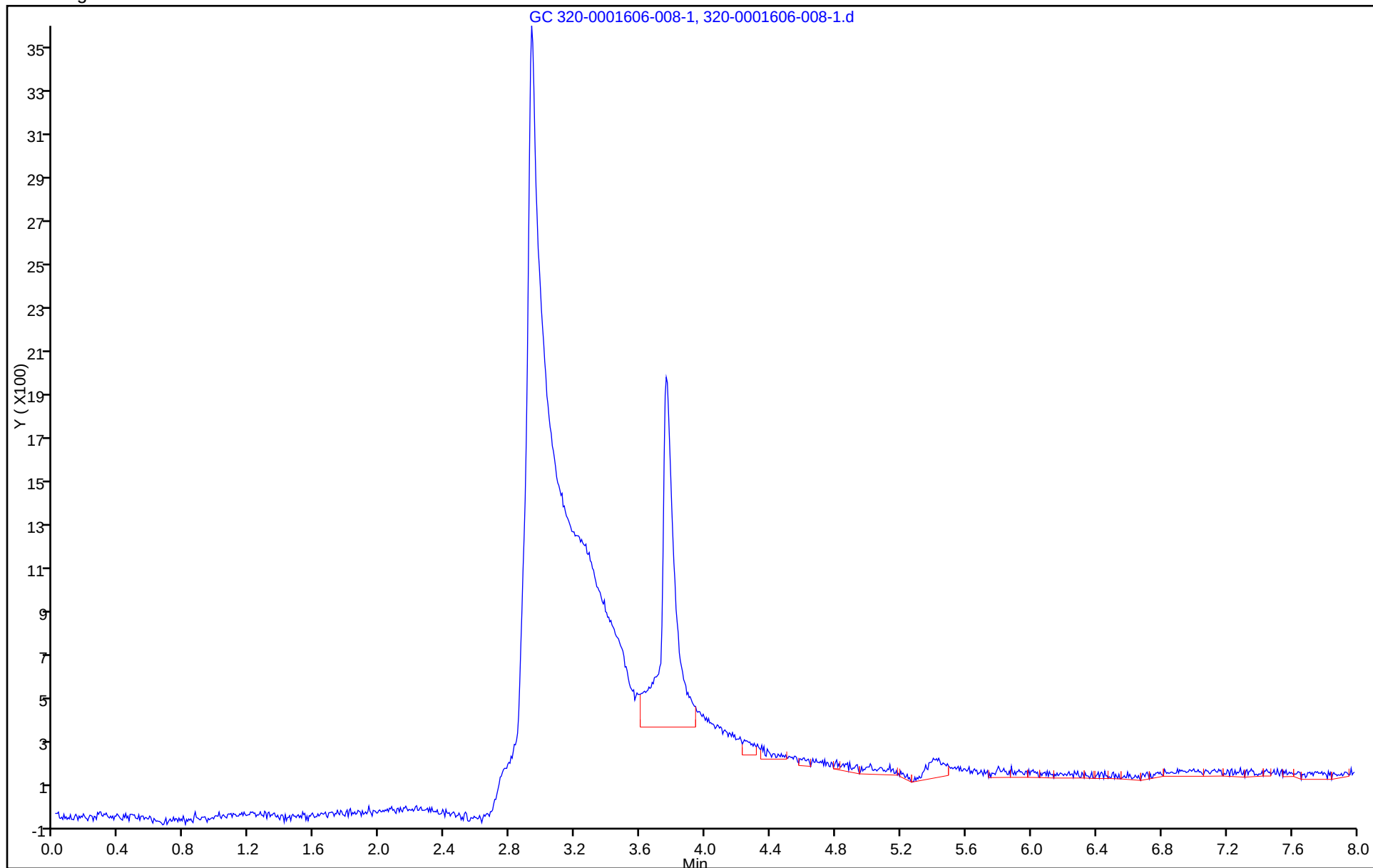
Date: 30-Nov-2012 12:13:22

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

Data File: \\SACChrom\ChromData\PDA1\20121130-1606.b\320-0001606-008-1.d
Injection Date: 30-Nov-2012 12:01:00 Limit Group: LC 8330 Ngu ICAL
Client ID: 077SS-0002M-0001-SO Instrument ID: PDA1
Lims Batch ID: 6629 Lims Sample ID: 8
Operator ID: RN Injection Vol: 50.0 ul
Column Type: Synergi 4u Hydro-RP80A Column Dia: 4.00 mm

Y Scaling:



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

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1 Analy Batch No.: 4663

SDG No.: _____

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

Calibration Start Date: 10/17/2012 09:29 Calibration End Date: 10/17/2012 10:41 Calibration ID: 1409

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD02 320-4663/4	HPNQL2_00003-1.d
Level 2	STD03 320-4663/5	HPNQL3_00003-1.d
Level 3	STD04 320-4663/6	HPNQL4_00003-1.d
Level 4	STD05 320-4663/7	HPNQL5_00003-1.d
Level 5	STD06 320-4663/8	HPNQL6_00003-1.d
Level 6	STD07 320-4663/9	HPNQL7_00003-1.d

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
Nitroguanidine	4.240	4.240	4.240	4.240	4.233	4.227					3.990 - 4.490	4.237

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

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1 Analy Batch No.: 4663

SDG No.: _____

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

Calibration Start Date: 10/17/2012 09:29 Calibration End Date: 10/17/2012 10:41 Calibration ID: 1409

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD02 320-4663/4	HPNQL2_00003-1.d
Level 2	STD03 320-4663/5	HPNQL3_00003-1.d
Level 3	STD04 320-4663/6	HPNQL4_00003-1.d
Level 4	STD05 320-4663/7	HPNQL5_00003-1.d
Level 5	STD06 320-4663/8	HPNQL6_00003-1.d
Level 6	STD07 320-4663/9	HPNQL7_00003-1.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	48.450 47.010	47.080 46.247	47.010	46.930	Ave		47.1211667				1.5		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 West Sacramento Job No.: 240-17525-1 Analy Batch No.: 4663

SDG No.: _____

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

Calibration Start Date: 10/17/2012 09:29 Calibration End Date: 10/17/2012 10:41 Calibration ID: 1409

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD02 320-4663/4	HPNQL2_00003-1.d
Level 2	STD03 320-4663/5	HPNQL3_00003-1.d
Level 3	STD04 320-4663/6	HPNQL4_00003-1.d
Level 4	STD05 320-4663/7	HPNQL5_00003-1.d
Level 5	STD06 320-4663/8	HPNQL6_00003-1.d
Level 6	STD07 320-4663/9	HPNQL7_00003-1.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	969 46247	2354	4701	9386	23505	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\20121016-1075.b\HPNQL2_00003-1.d
Lims ID: std02 Client ID:
Inject. Date: 17-Oct-2012 09:29:00 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: HPNQL2_00003 Verification
Misc. Info.: none NQ Std 20 ng/mL
Operator: RN Instrument ID: PDA1
Injection Vol: 50.0 ul ALS Bottle#: 0
Lims Batch ID: 4663 Lims Sample ID: 4
Sublist: chrom-NGu Primary*sub1
Detector: GC HPNQL2_00003-1
Method: \\SACChrom\ChromData\PDA1\20121016-1075.b\NGu Primary.m
Last Update: 30-Oct-2012 09:07:50 Calib Date: 17-Oct-2012 10:41:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\PDA1\20121016-1075.b\HPNQL7_00003-1.d
Limit Group: LC 8330 Ngu ICAL
Integrator: Falcon
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm
Process Host: XAWRK034

First Level Reviewer: waterlandh

Date: 30-Oct-2012 09:07:50

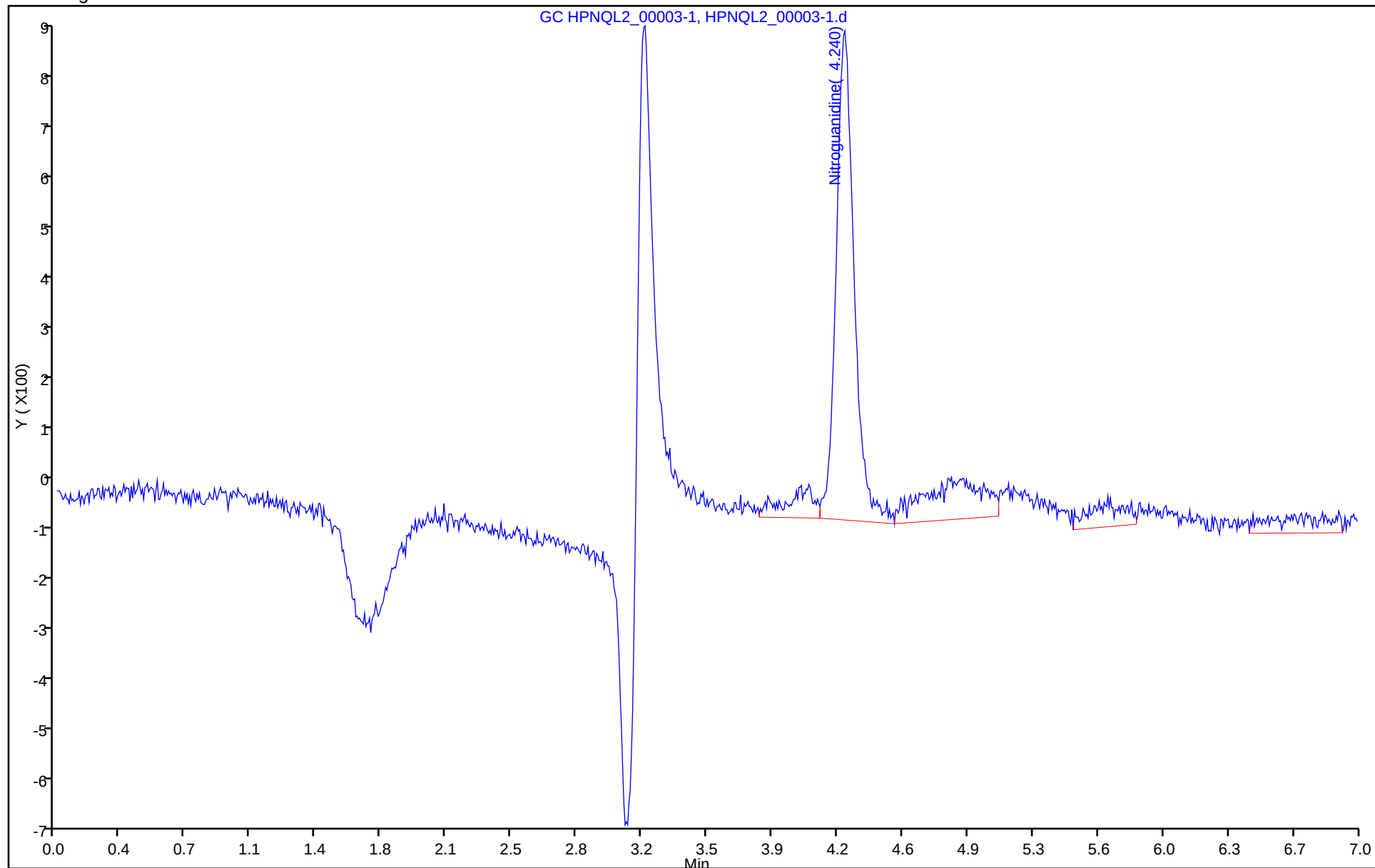
RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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1 Nitroguanidine
4.240 4.240 0.0 969 20.6

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\PDA1\20121016-1075.b\HPNQL2_00003-1.d
Injection Date: 17-Oct-2012 09:29:00 Limit Group: LC 8330 Ngu ICAL
Client ID: Instrument ID: PDA1
Lims Batch ID: 4663 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\20121016-1075.b\HPNQL3_00003-1.d
Lims ID: std03 Client ID:
Inject. Date: 17-Oct-2012 09:44:00 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 3
Sample ID: HPNQL3_00003 Verification
Misc. Info.: none NQ Std 50 ng/mL
Operator: RN Instrument ID: PDA1
Injection Vol: 50.0 ul ALS Bottle#: 0
Lims Batch ID: 4663 Lims Sample ID: 5
Sublist: chrom-NGu Primary*sub1
Detector: GC HPNQL3_00003-1
Method: \\SACChrom\ChromData\PDA1\20121016-1075.b\NGu Primary.m
Last Update: 30-Oct-2012 09:07:54 Calib Date: 17-Oct-2012 10:41:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\PDA1\20121016-1075.b\HPNQL7_00003-1.d
Limit Group: LC 8330 Ngu ICAL
Integrator: Falcon
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm
Process Host: XAWRK034

First Level Reviewer: waterlandh

Date: 30-Oct-2012 09:07:54

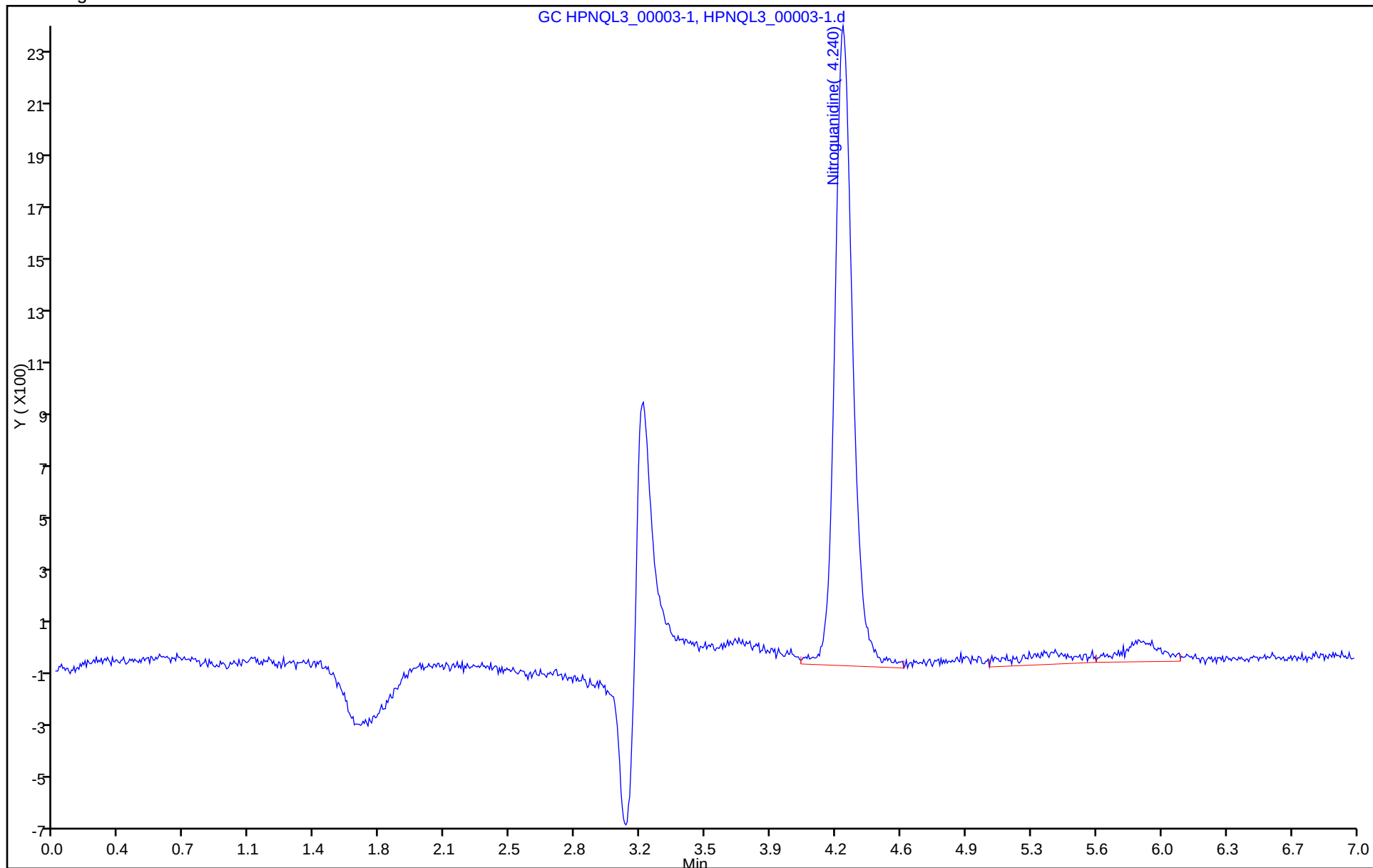
RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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1 Nitroguanidine
4.240 4.240 0.0 2354 50.0

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\PDA1\20121016-1075.b\HPNQL3_00003-1.d
Injection Date: 17-Oct-2012 09:44:00 Limit Group: LC 8330 Ngu ICAL
Client ID: Instrument ID: PDA1
Lims Batch ID: 4663 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\20121016-1075.b\HPNQL4_00003-1.d
Lims ID: std04 Client ID:
Inject. Date: 17-Oct-2012 09:58:00 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID: HPNQL4_00003 Verification
Misc. Info.: none NQ Std 100 ng/mL
Operator: RN Instrument ID: PDA1
Injection Vol: 50.0 ul ALS Bottle#: 0
Lims Batch ID: 4663 Lims Sample ID: 6
Sublist: chrom-NGu Primary*sub1
Detector: GC HPNQL4_00003-1
Method: \\SACChrom\ChromData\PDA1\20121016-1075.b\NGu Primary.m
Last Update: 30-Oct-2012 09:07:59 Calib Date: 17-Oct-2012 10:41:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\PDA1\20121016-1075.b\HPNQL7_00003-1.d
Limit Group: LC 8330 Ngu ICAL
Integrator: Falcon
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm
Process Host: XAWRK034

First Level Reviewer: waterlandh

Date: 30-Oct-2012 09:07:59

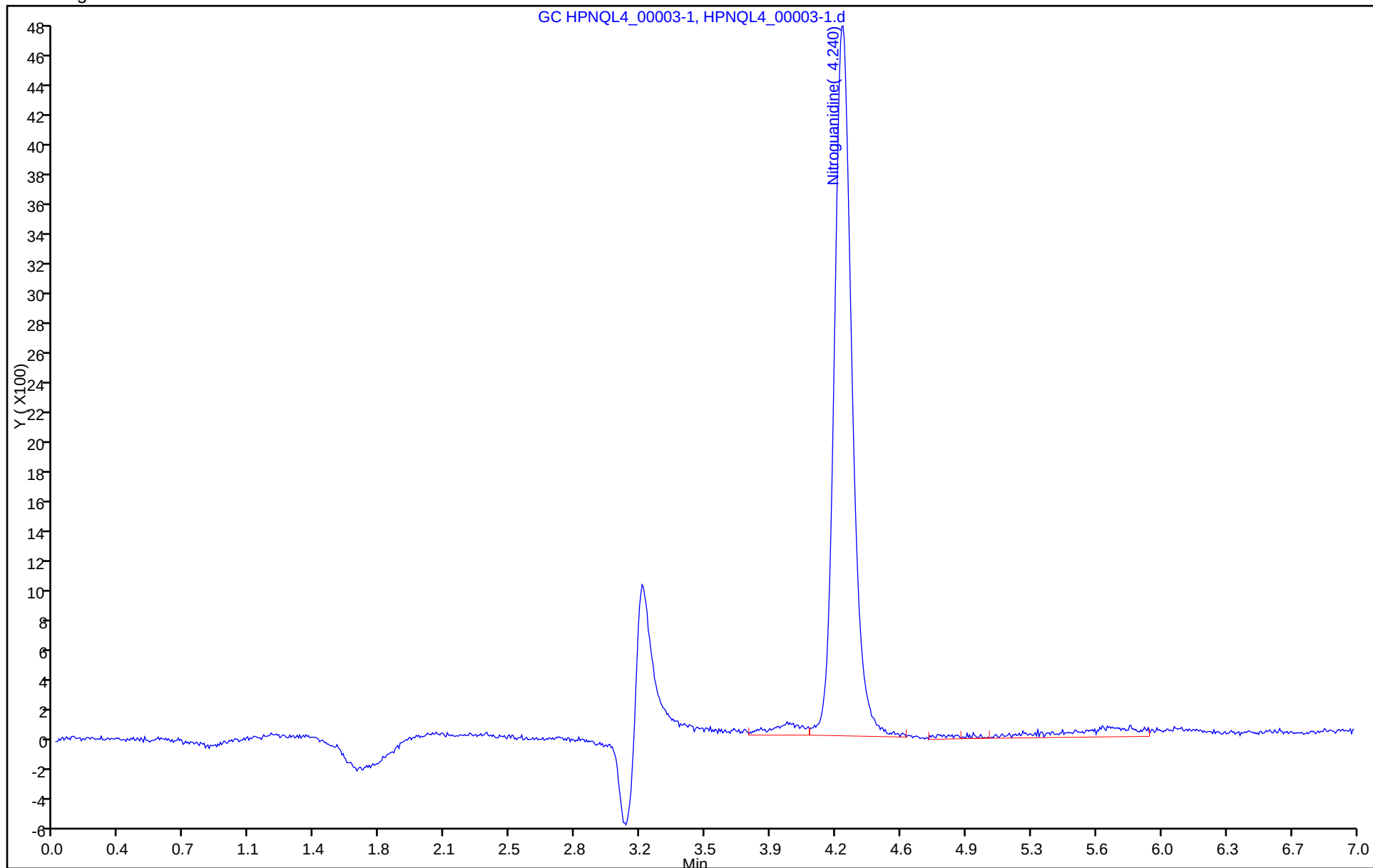
RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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1 Nitroguanidine
4.240 4.240 0.0 4701 99.8

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\PDA1\20121016-1075.b\HPNQL4_00003-1.d
Injection Date: 17-Oct-2012 09:58:00 Limit Group: LC 8330 Ngu ICAL
Client ID: Instrument ID: PDA1
Lims Batch ID: 4663 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\20121016-1075.b\HPNQL5_00003-1.d
Lims ID: std05 Client ID:
Inject. Date: 17-Oct-2012 10:12:00 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 5
Sample ID: HPNQL5_00003 Verification
Misc. Info.: none NQ Std 200 ng/mL
Operator: RN Instrument ID: PDA1
Injection Vol: 50.0 ul ALS Bottle#: 0
Lims Batch ID: 4663 Lims Sample ID: 7
Sublist: chrom-NGu Primary*sub1
Detector: GC HPNQL5_00003-1
Method: \\SACChrom\ChromData\PDA1\20121016-1075.b\NGu Primary.m
Last Update: 30-Oct-2012 09:08:09 Calib Date: 17-Oct-2012 10:41:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\PDA1\20121016-1075.b\HPNQL7_00003-1.d
Limit Group: LC 8330 Ngu ICAL
Integrator: Falcon
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm
Process Host: XAWRK034

First Level Reviewer: waterlandh

Date: 30-Oct-2012 09:08:09

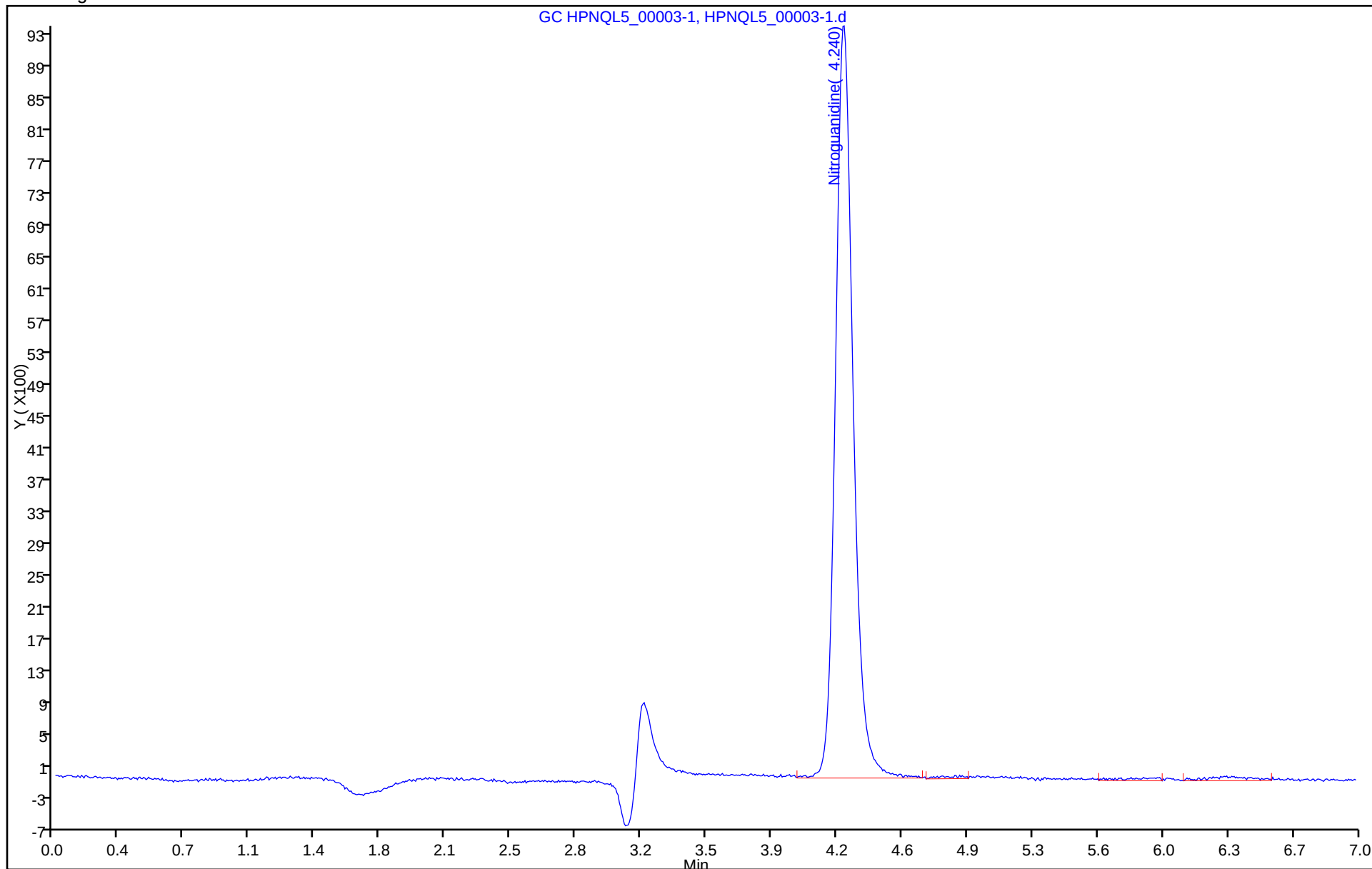
RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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1 Nitroguanidine
4.240 4.240 0.0 9386 199.2

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\PDA1\20121016-1075.b\HPNQL5_00003-1.d
Injection Date: 17-Oct-2012 10:12:00 Limit Group: LC 8330 Ngu ICAL
Client ID: Instrument ID: PDA1
Lims Batch ID: 4663 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\20121016-1075.b\HPNQL6_00003-1.d
Lims ID: std06 Client ID:
Inject. Date: 17-Oct-2012 10:27:00 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 6
Sample ID: HPNQL6_00003 Verification
Misc. Info.: none NQ Std 500 ng/mL
Operator: RN Instrument ID: PDA1
Injection Vol: 50.0 ul ALS Bottle#: 0
Lims Batch ID: 4663 Lims Sample ID: 8
Sublist: chrom-NGu Primary*sub1
Detector: GC HPNQL6_00003-1
Method: \\SACChrom\ChromData\PDA1\20121016-1075.b\NGu Primary.m
Last Update: 30-Oct-2012 09:08:13 Calib Date: 17-Oct-2012 10:41:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\PDA1\20121016-1075.b\HPNQL7_00003-1.d
Limit Group: LC 8330 Ngu ICAL
Integrator: Falcon
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm
Process Host: XAWRK034

First Level Reviewer: waterlandh

Date: 30-Oct-2012 09:08:13

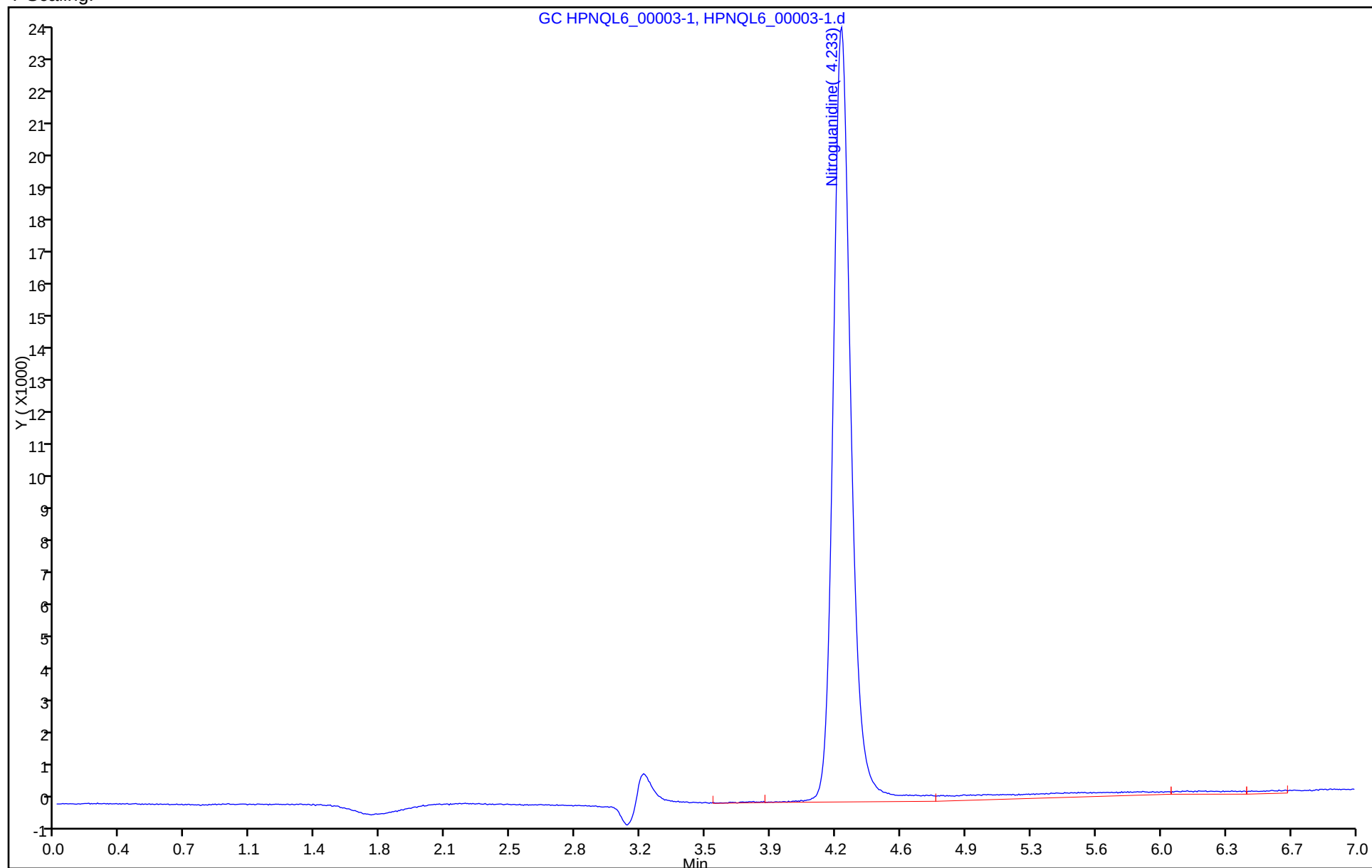
RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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1 Nitroguanidine
4.233 4.240 -0.007 23505 498.8

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\PDA1\20121016-1075.b\HPNQL6_00003-1.d
Injection Date: 17-Oct-2012 10:27:00 Limit Group: LC 8330 Ngu ICAL
Client ID: Instrument ID: PDA1
Lims Batch ID: 4663 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\20121016-1075.b\HPNQL7_00003-1.d
Lims ID: std07 Client ID:
Inject. Date: 17-Oct-2012 10:41:00 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 7
Sample ID: HPNQL7_00003 Verification
Misc. Info.: none NQ Std 1000 ng/mL
Operator: RN Instrument ID: PDA1
Injection Vol: 50.0 ul ALS Bottle#: 0
Lims Batch ID: 4663 Lims Sample ID: 9
Sublist: chrom-NGu Primary*sub1
Detector: GC HPNQL7_00003-1
Method: \\SACChrom\ChromData\PDA1\20121016-1075.b\NGu Primary.m
Last Update: 30-Oct-2012 09:08:20 Calib Date: 17-Oct-2012 10:41:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\PDA1\20121016-1075.b\HPNQL7_00003-1.d
Limit Group: LC 8330 Ngu ICAL
Integrator: Falcon
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm
Process Host: XAWRK034

First Level Reviewer: waterlandh

Date: 30-Oct-2012 09:08:20

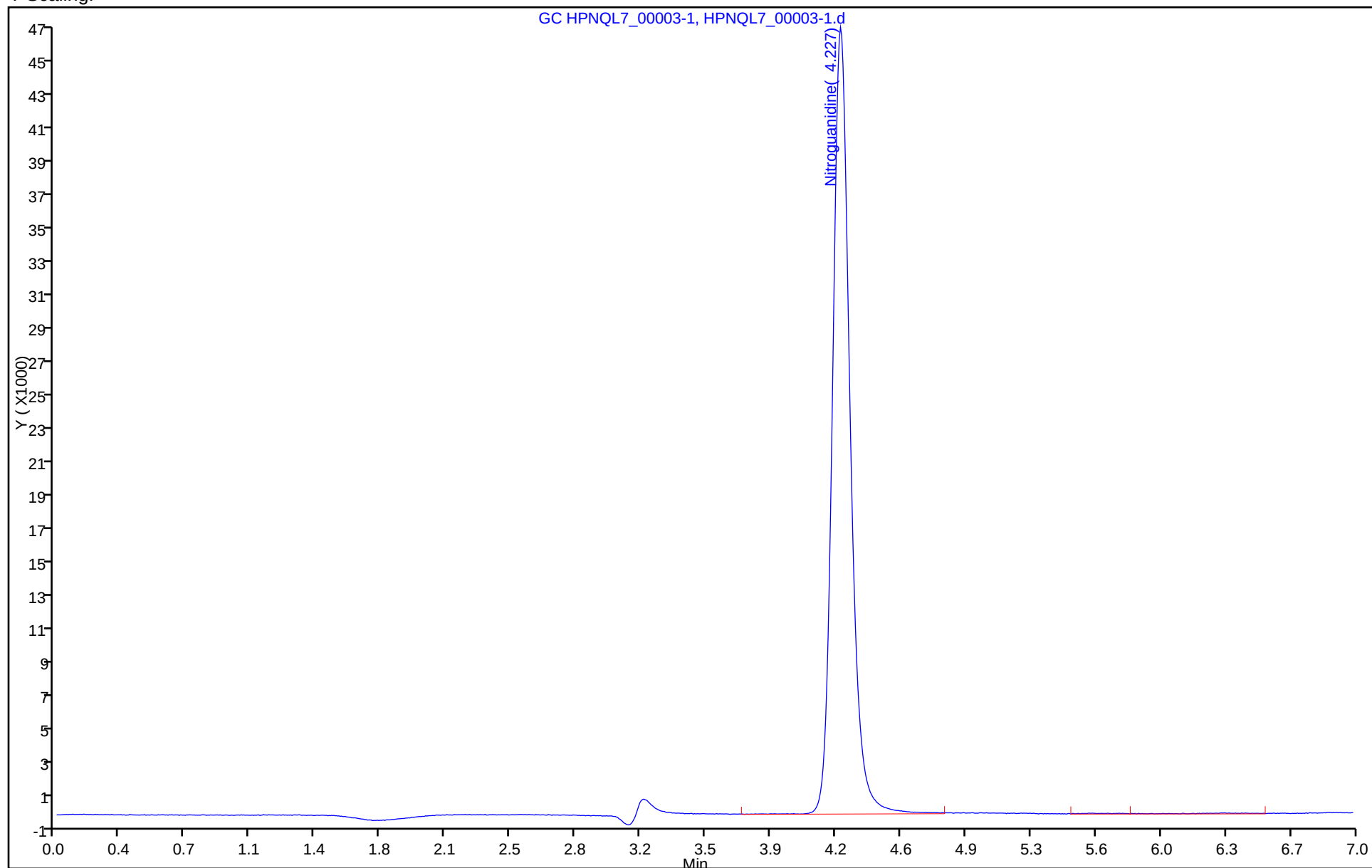
RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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1 Nitroguanidine
4.227 4.240 -0.013 46247 981.4

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\PDA1\20121016-1075.b\HPNQL7_00003-1.d
Injection Date: 17-Oct-2012 10:41:00 Limit Group: LC 8330 Ngu ICAL
Client ID: Instrument ID: PDA1
Lims Batch ID: 4663 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 VI
HPLC/IC INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1 Analy Batch No.: 4779

SDG No.: _____

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

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

Calibration Files:

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

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

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

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1 Analy Batch No.: 4779

SDG No.: _____

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

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

Calibration Files:

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

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

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

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

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1 Analy Batch No.: 4779

SDG No.: _____

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

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

Calibration Files:

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

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

Curve Type Legend:

Ave = Average by Height

TestAmerica West Sacramento
Target Compound Quantitation Report

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

First Level Reviewer: noonanr

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

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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1 Nitroguanidine
4.513 4.500 0.013 937 21.1

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

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

TestAmerica West Sacramento

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

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

Limit Group: LC 8330 Ngu ICAL

Client ID:

Instrument ID: PDA1

Lims Batch ID: 4779

Lims Sample ID: 4

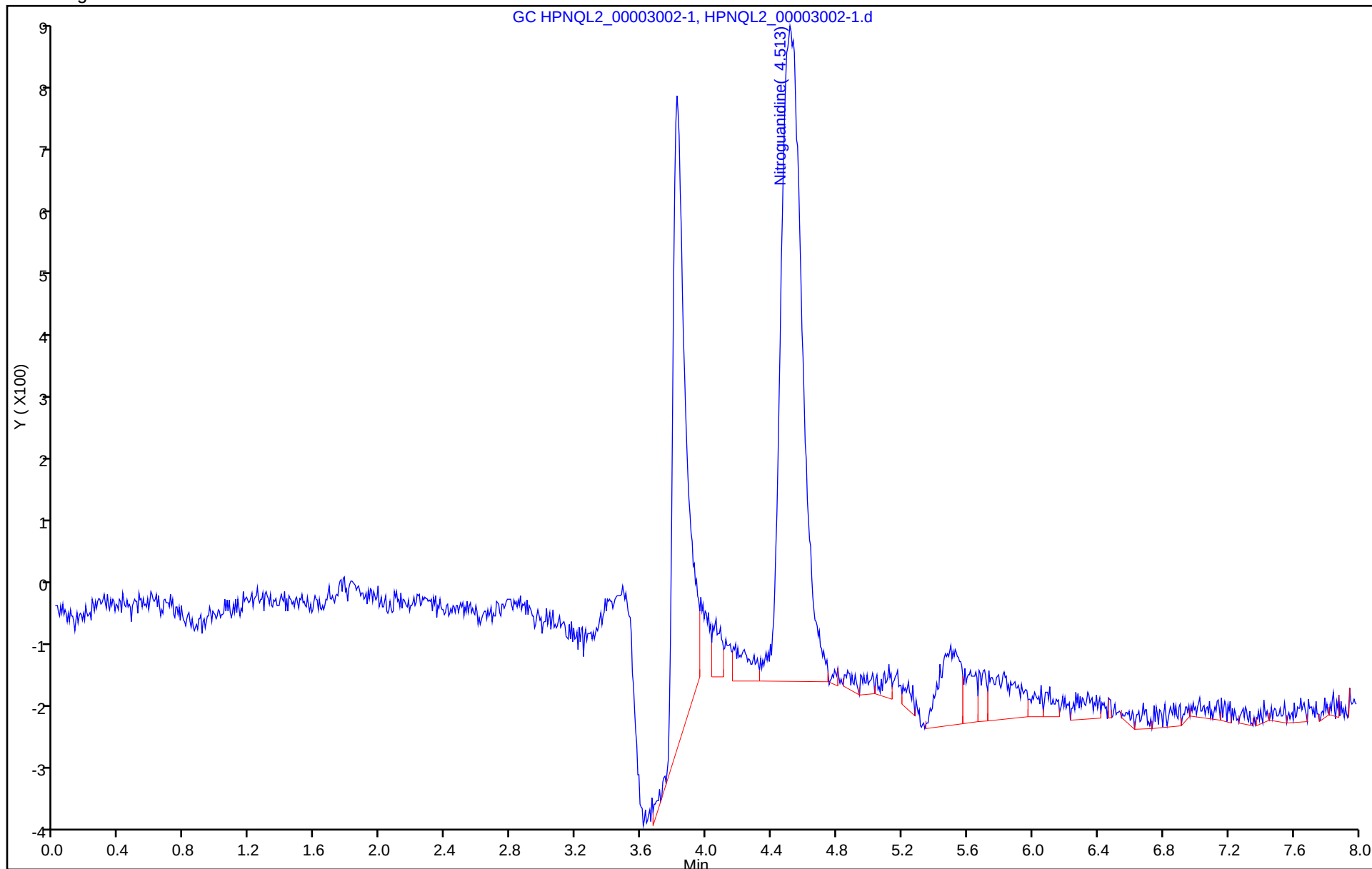
Operator ID: RN

Injection Vol: 50.0 ul

Column Type: Synergi 4u Hydro-RP80A

Column Dia: 4.00 mm

Y Scaling:



TestAmerica West Sacramento
Target Compound Quantitation Report

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

First Level Reviewer: noonanr

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

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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1 Nitroguanidine
4.560 4.500 0.060 2225 50.1

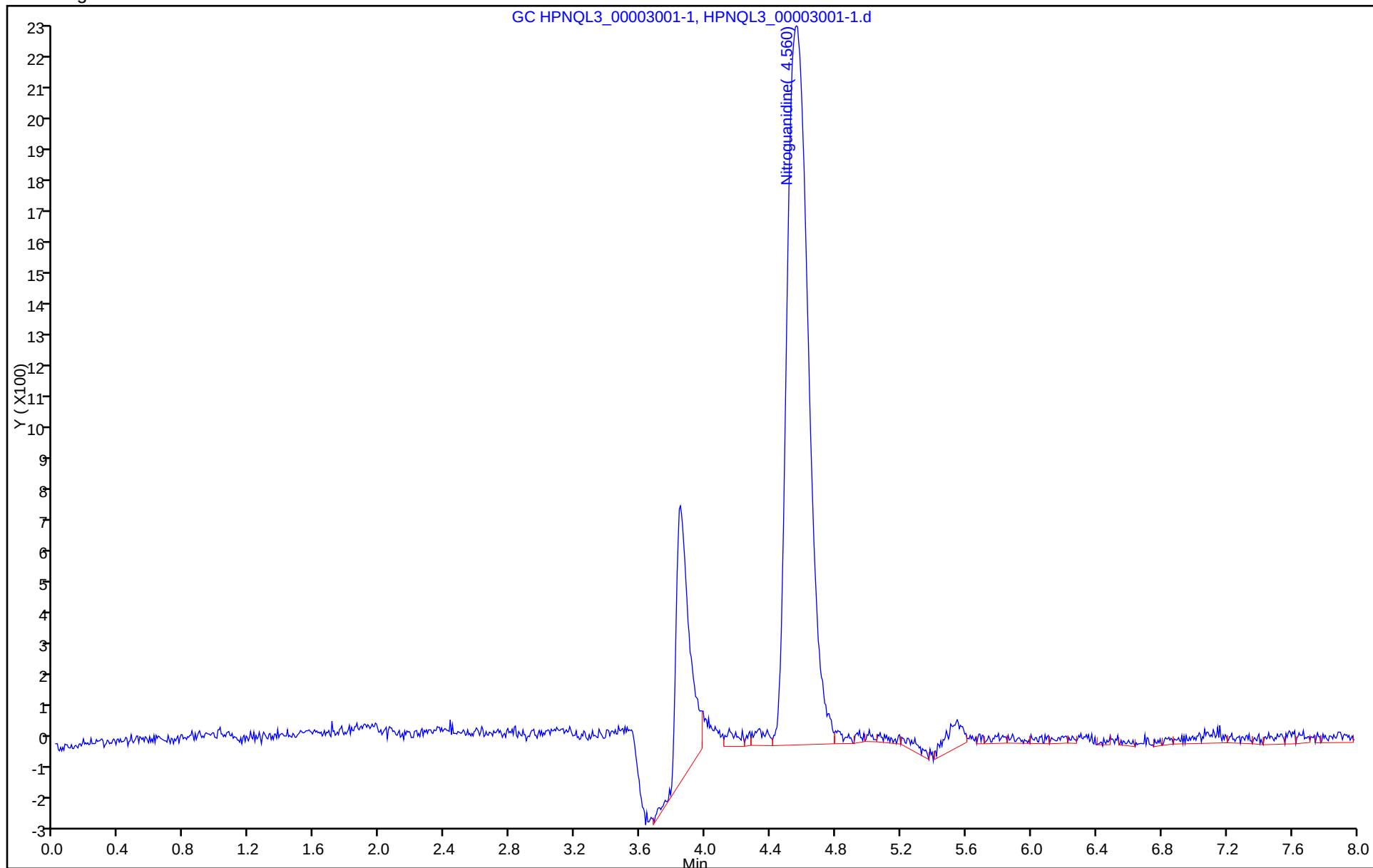
Report Date: 29-Oct-2012 15:11:29

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

TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\PDA1\20121019-1096.b\HPNQL3_00003001-1.d		
Injection Date:	19-Oct-2012 16:18:00	Limit Group:	LC 8330 Ngu ICAL
Client ID:		Instrument ID:	PDA1
Lims Batch ID:	4779	Lims Sample ID:	5
Operator ID:	RN	Injection Vol:	50.0 ul
Column Type:	Synergi 4u Hydro-RP80A	Column Dia:	4.00 mm

Y Scaling:



TestAmerica West Sacramento
Target Compound Quantitation Report

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

First Level Reviewer: noonanr

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

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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1 Nitroguanidine
4.500 4.500 0.0 4369 98.4

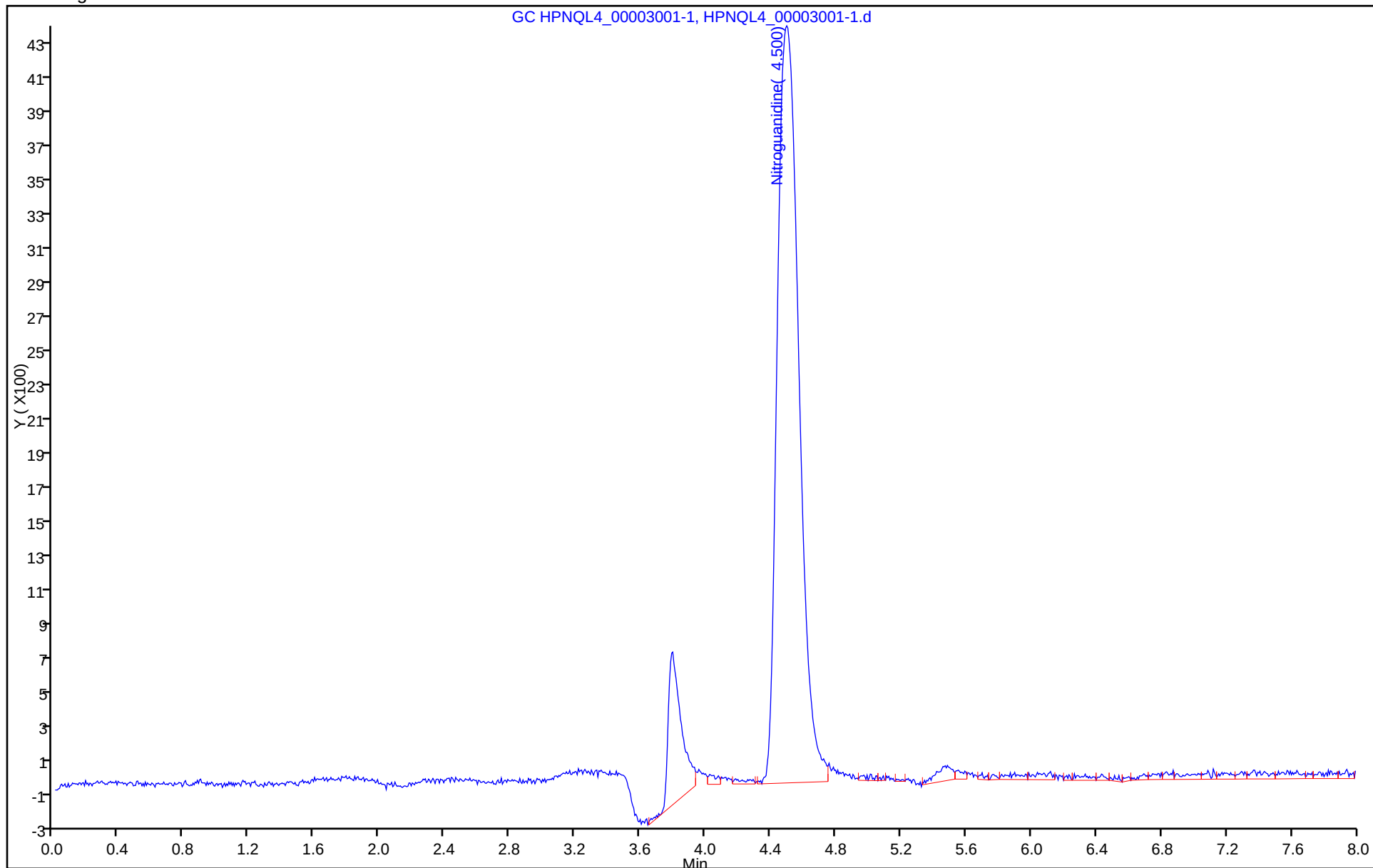
Report Date: 29-Oct-2012 15:11:29

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

TestAmerica West Sacramento

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

Y Scaling:



TestAmerica West Sacramento
Target Compound Quantitation Report

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

First Level Reviewer: noonanr

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

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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1 Nitroguanidine
4.527 4.527 0.0 8832 199.0

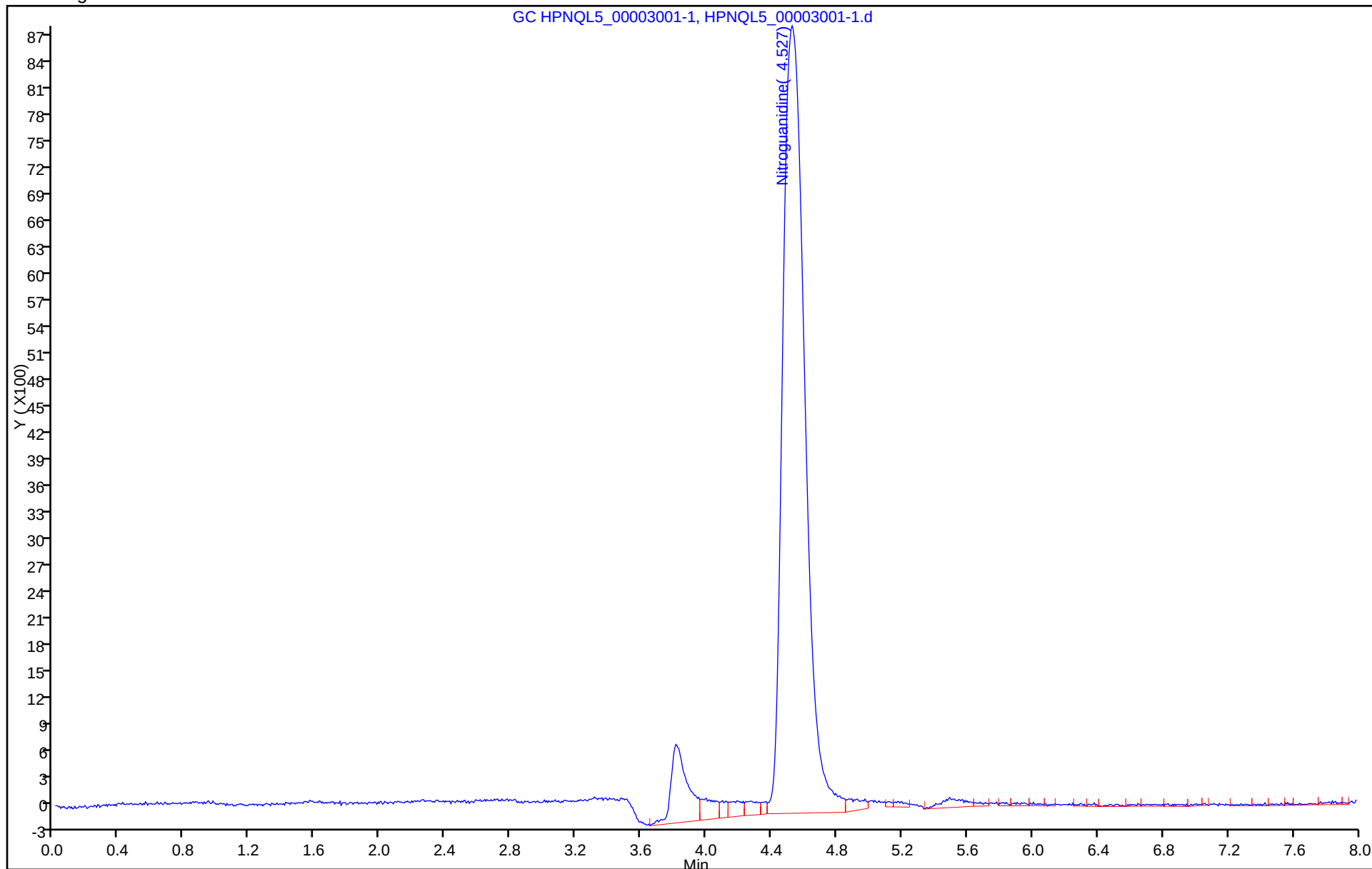
Report Date: 29-Oct-2012 15:11:30

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

TestAmerica West Sacramento

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

Y Scaling:



TestAmerica West Sacramento
Target Compound Quantitation Report

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

First Level Reviewer: noonanr

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

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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1 Nitroguanidine
4.460 4.500 -0.040 22152 499.0

Report Date: 29-Oct-2012 15:12:28

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

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\PDA1\20121019-1096.b\HPNQL6_00003001-1.d

Injection Date: 19-Oct-2012 17:17:00 Limit Group: LC 8330 Ngu ICAL

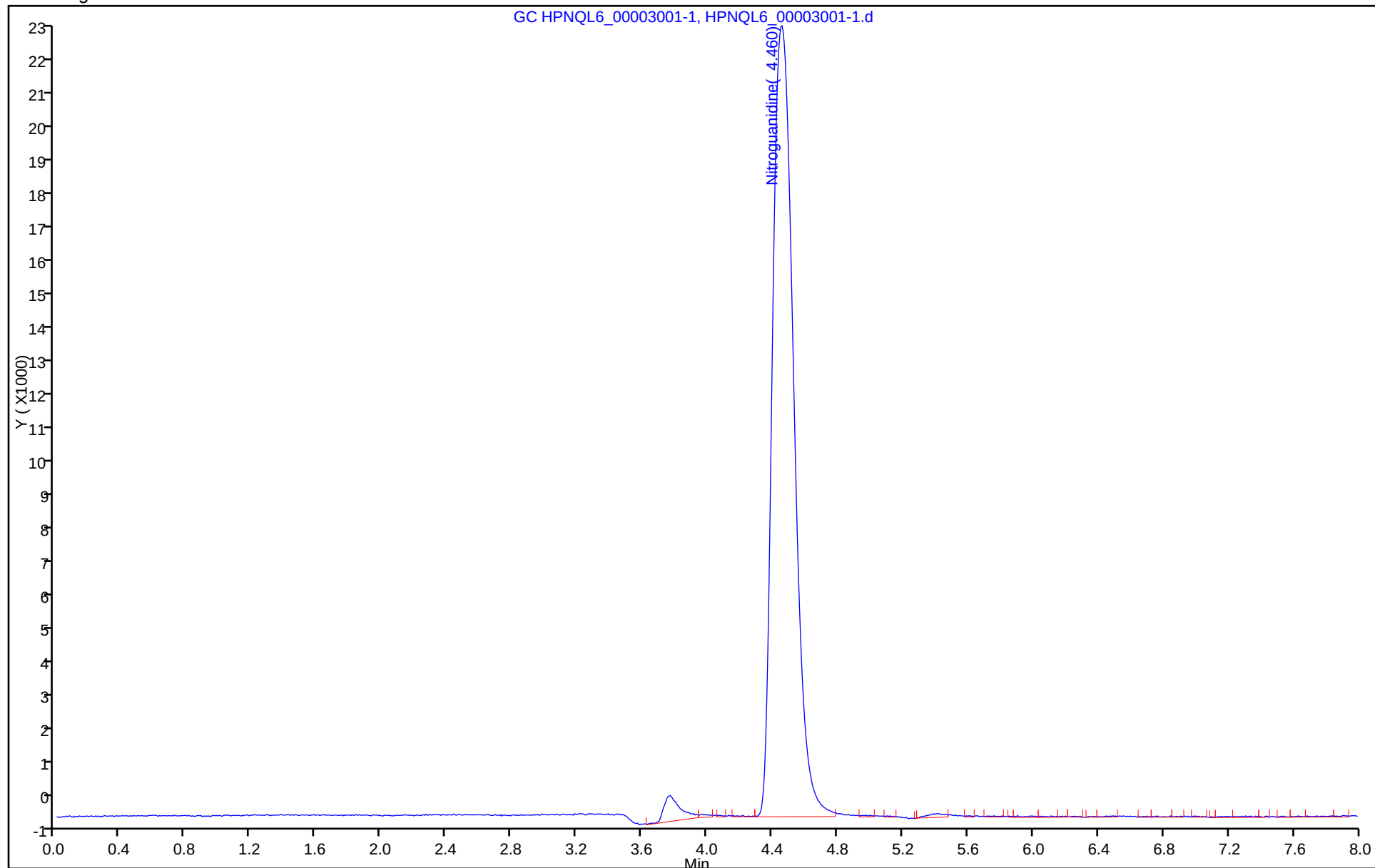
Client ID: Instrument ID: PDA1

Lims Batch ID: 4779 Lims Sample ID: 8

Operator ID: RN Injection Vol: 50.0 ul

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

Y Scaling:



TestAmerica West Sacramento
Target Compound Quantitation Report

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

First Level Reviewer: noonanr

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

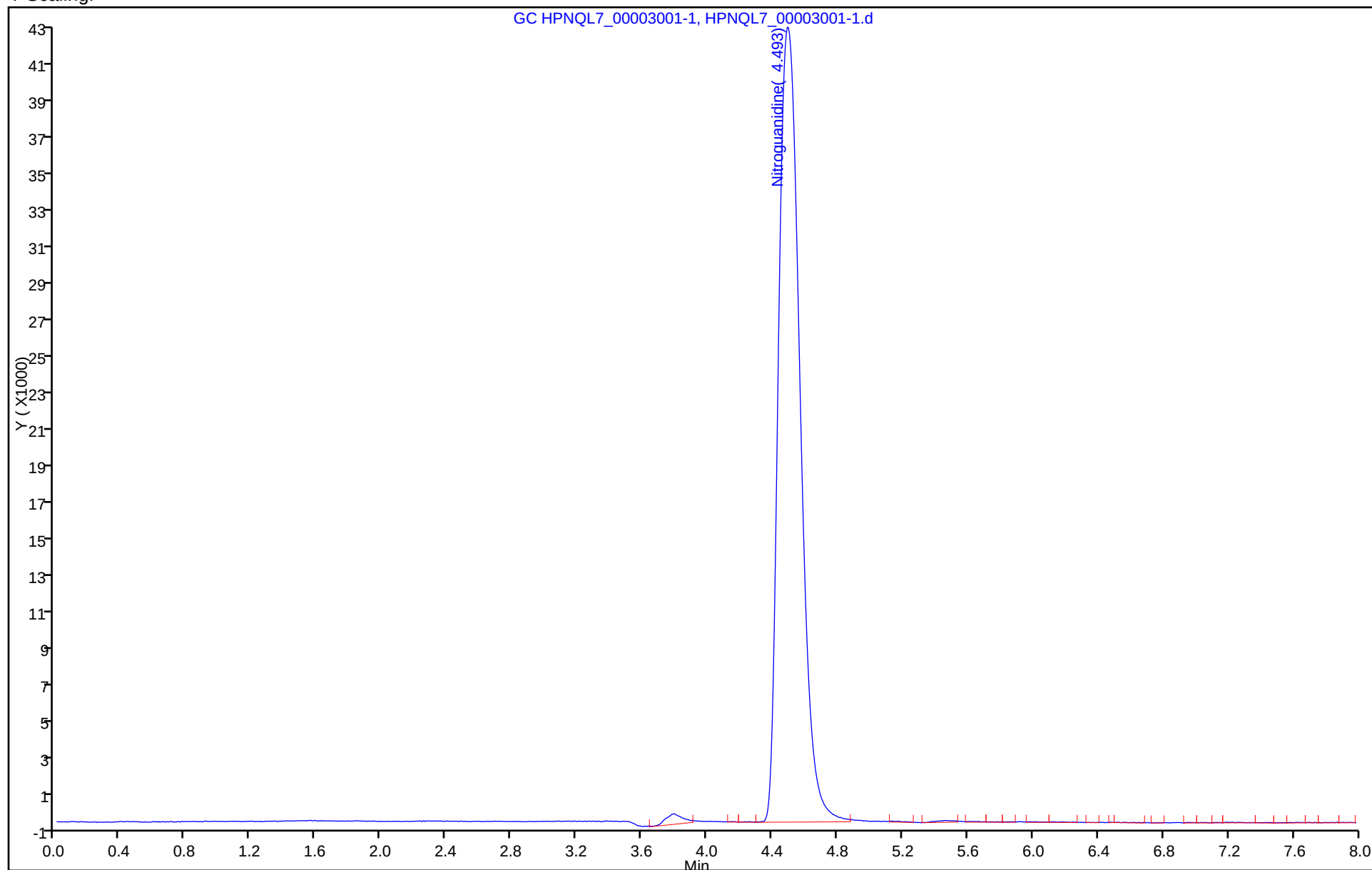
RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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1 Nitroguanidine
4.493 4.527 -0.034 42847 965.2

TestAmerica West Sacramento

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

Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1
SDG No.: _____
Lab Sample ID: ICV 320-4663/11 Calibration Date: 10/17/2012 11:10
Instrument ID: PDA1 Calib Start Date: 10/17/2012 09:29
GC Column: Luna NH2 ID: 4.60 (mm) Calib End Date: 10/17/2012 10:41
Lab File ID: HPNQIC_00002;001-1.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitroguanidine	Ave	47.12	45.50		193	200	-3.5	15.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1
SDG No.: _____
Lab Sample ID: ICV 320-4663/11 Calibration Date: 10/17/2012 11:10
Instrument ID: PDA1 Calib Start Date: 10/17/2012 09:29
GC Column: Luna NH2 ID: 4.60 (mm) Calib End Date: 10/17/2012 10:41
Lab File ID: HPNQIC_00002;001-1.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\20121016-1075.b\HPNQIC_00002;001-1.d
Lims ID: icv Client ID:
Inject. Date: 17-Oct-2012 11:10:00 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: HPNQIC_00002; Analysis
Misc. Info.: none ICV 200ng/mL
Operator: RN Instrument ID: PDA1
Injection Vol: 50.0 ul ALS Bottle#: 0
Lims Batch ID: 4663 Lims Sample ID: 11
Sublist:
Detector: GC HPNQIC_00002;001-1
Method: \\SACChrom\ChromData\PDA1\20121016-1075.b\NGu Primary.m
Last Update: 30-Oct-2012 09:03:42 Calib Date: 17-Oct-2012 10:41:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\PDA1\20121016-1075.b\HPNQL7_00003-1.d
Limit Group: LC 8330 Ngu ICAL
Integrator: Falcon
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm
Process Host: XAWRK034

First Level Reviewer: noonanr

Date: 17-Oct-2012 12:29:08

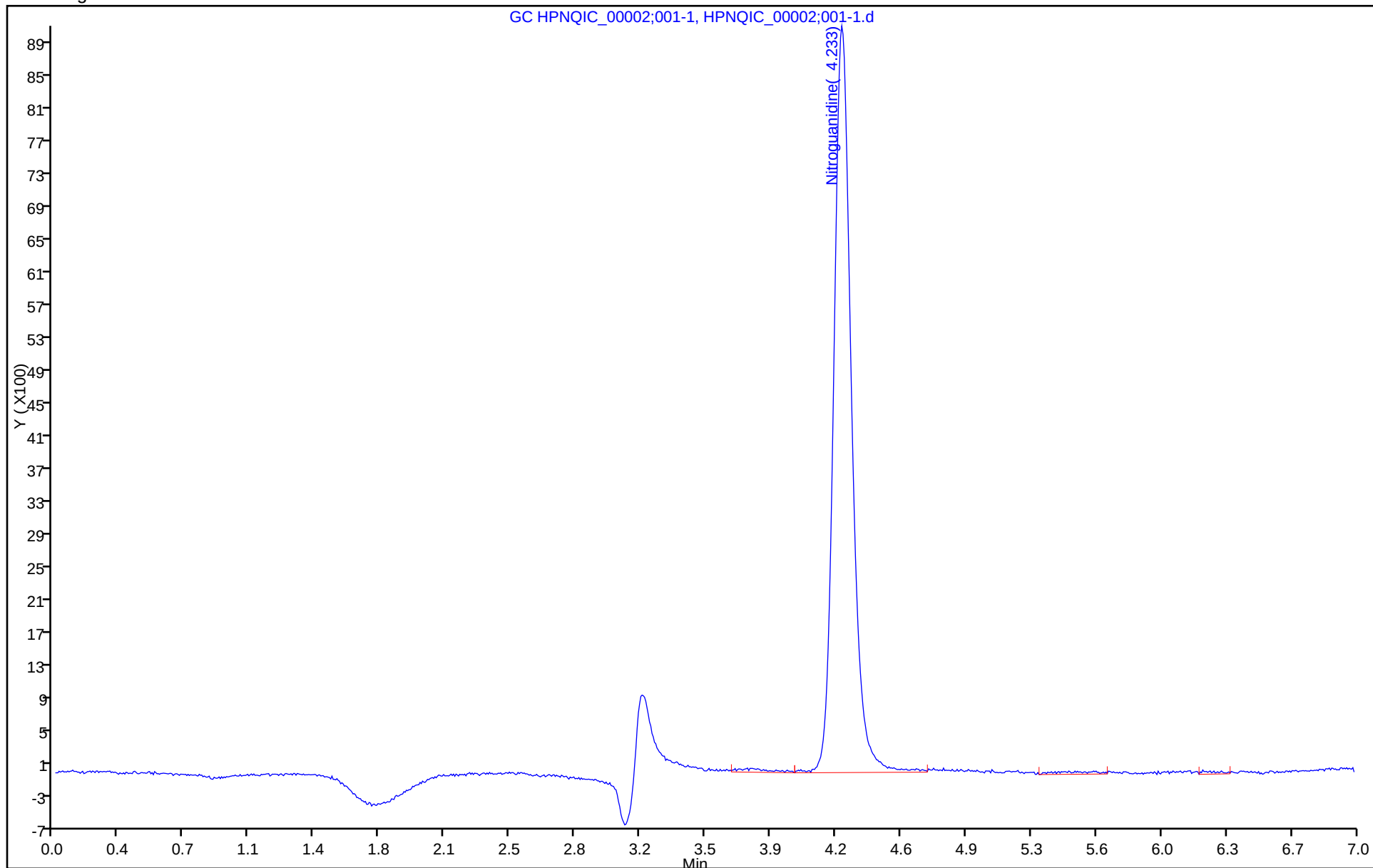
RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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1 Nitroguanidine
4.233 4.233 0.0 9099 193.1

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\PDA1\20121016-1075.b\HPNQIC_00002;001-1.d
Injection Date: 17-Oct-2012 11:10:00 Limit Group: LC 8330 Ngu ICAL
Client ID: Instrument ID: PDA1
Lims Batch ID: 4663 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 West Sacramento Job No.: 240-17525-1
SDG No.: _____
Lab Sample ID: LODV 320-4663/12 Calibration Date: 10/17/2012 11:24
Instrument ID: PDA1 Calib Start Date: 10/17/2012 09:29
GC Column: Luna NH2 ID: 4.60 (mm) Calib End Date: 10/17/2012 10:41
Lab File ID: HPNQ2XM_00002-1.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitroguanidine	Ave	47.12	56.40		5.98	5.00	19.7	

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1
SDG No.: _____
Lab Sample ID: LODV 320-4663/12 Calibration Date: 10/17/2012 11:24
Instrument ID: PDA1 Calib Start Date: 10/17/2012 09:29
GC Column: Luna NH2 ID: 4.60 (mm) Calib End Date: 10/17/2012 10:41
Lab File ID: HPNQ2XM_00002-1.d

Analyte	RT	RT WINDOW	
		FROM	TO
Nitroguanidine	4.24	3.98	4.48

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\PDA1\20121016-1075.b\HPNQ2XM_00002-1.d
Lims ID: LODV Client ID:
Inject. Date: 17-Oct-2012 11:24:00 Dil. Factor: 1.0000
Sample Type: LODV
Sample ID: HPNQ2xM_00002 Verification
Misc. Info.: none 2xMDL NQ Std 5 ng/mL
Operator: RN Instrument ID: PDA1
Injection Vol: 50.0 ul ALS Bottle#: 0
Lims Batch ID: 4663 Lims Sample ID: 12
Detector: GC HPNQ2XM_00002-1
Method: \\SACChrom\ChromData\PDA1\20121016-1075.b\NGu Primary.m
Last Update: 30-Oct-2012 09:03:42 Calib Date: 17-Oct-2012 10:41:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\PDA1\20121016-1075.b\HPNQL7_00003-1.d
Limit Group: LC 8330 Ngu ICAL
Integrator: Falcon
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm
Process Host: XAWRK034

First Level Reviewer: noonanr

Date: 17-Oct-2012 12:29:13

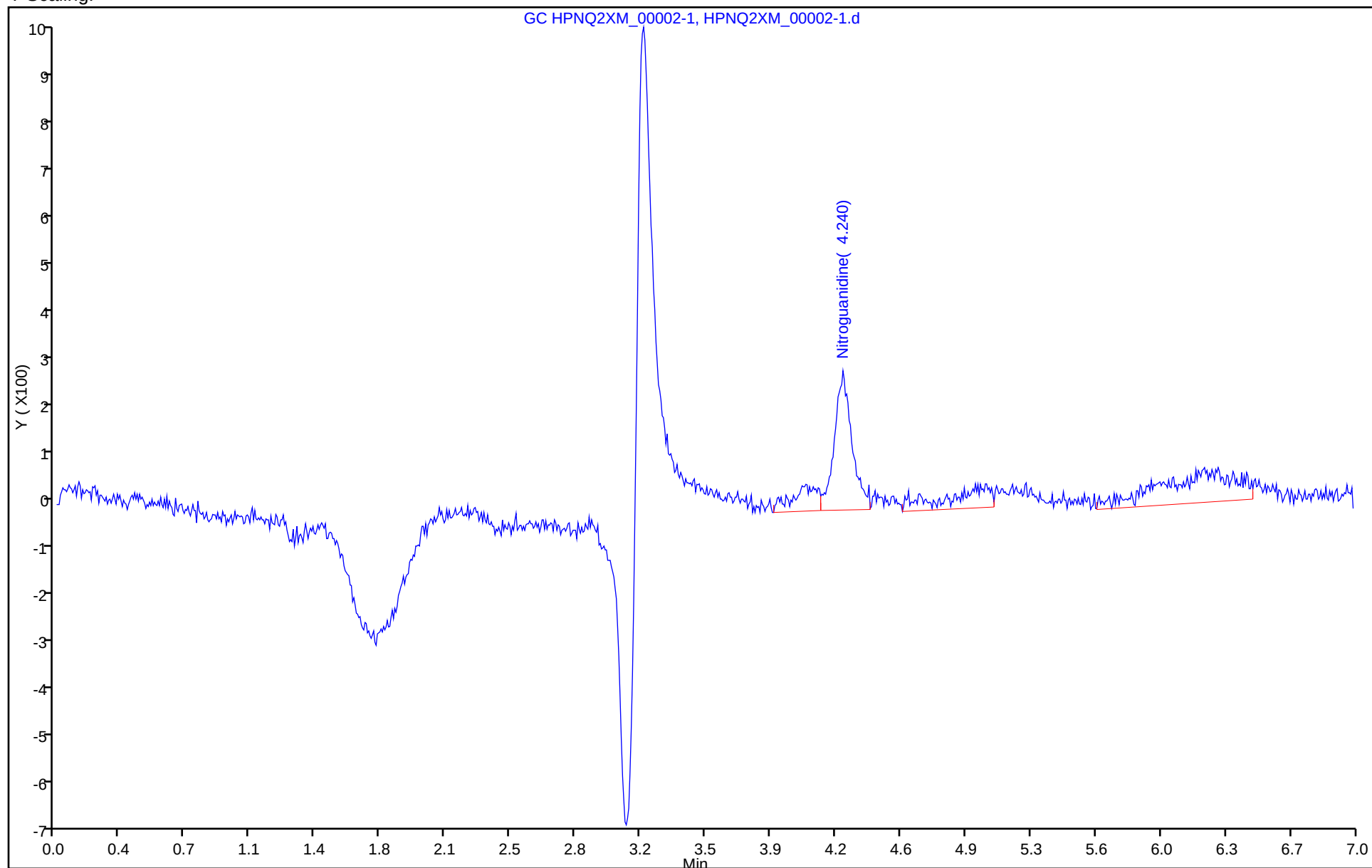
RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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1 Nitroguanidine
4.240 4.233 0.007 282 5.98

TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\PDA1\20121016-1075.b\HPNQ2XM_00002-1.d		
Injection Date:	17-Oct-2012 11:24:00	Limit Group:	LC 8330 Ngu ICAL
Client ID:		Instrument ID:	PDA1
Lims Batch ID:	4663	Lims Sample ID:	12
Operator ID:	RN	Injection Vol:	50.0 ul
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm

Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1
SDG No.: _____
Lab Sample ID: ICV 320-4779/11 Calibration Date: 10/19/2012 18:17
Instrument ID: PDA1 Calib Start Date: 10/19/2012 15:58
GC Column: Hydro RP80A 4 ID: 4.00 (mm) Calib End Date: 10/19/2012 17:37
Lab File ID: HPNQIC_00002;002-1.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitroguanidine	Ave	44.39	42.11		190	200	-5.1	15.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1
SDG No.: _____
Lab Sample ID: ICV 320-4779/11 Calibration Date: 10/19/2012 18:17
Instrument ID: PDA1 Calib Start Date: 10/19/2012 15:58
GC Column: Hydro RP80A 4 ID: 4.00 (mm) Calib End Date: 10/19/2012 17:37
Lab File ID: HPNQIC_00002;002-1.d

Analyte	RT	RT WINDOW	
		FROM	TO
Nitroguanidine	4.51	4.26	4.76

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\PDA1\20121019-1096.b\HPNQIC_00002;002-1.d
Lims ID: icv Client ID:
Inject. Date: 19-Oct-2012 18:17:00 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: HPNQIC_00002; Analysis
Misc. Info.: none ICV 200ng/mL
Operator: RN Instrument ID: PDA1
Injection Vol: 50.0 ul ALS Bottle#: 0
Lims Batch ID: 4779 Lims Sample ID: 11
Sublist:
Detector: GC HPNQIC_00002;002-1
Method: \\SACChrom\ChromData\PDA1\20121019-1096.b\NQ CONFIRMATION.m
Last Update: 29-Oct-2012 15:09:46 Calib Date: 19-Oct-2012 17:37:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\PDA1\20121019-1096.b\HPNQL7_00003001-1.d
Limit Group: LC 8330 Ngu ICAL
Integrator: Falcon
Column Type: Synergi 4u Hydro-RP80A Column Dia: 4.00 mm
Process Host: XAWRK037

First Level Reviewer: noonanr

Date: 22-Oct-2012 09:03:15

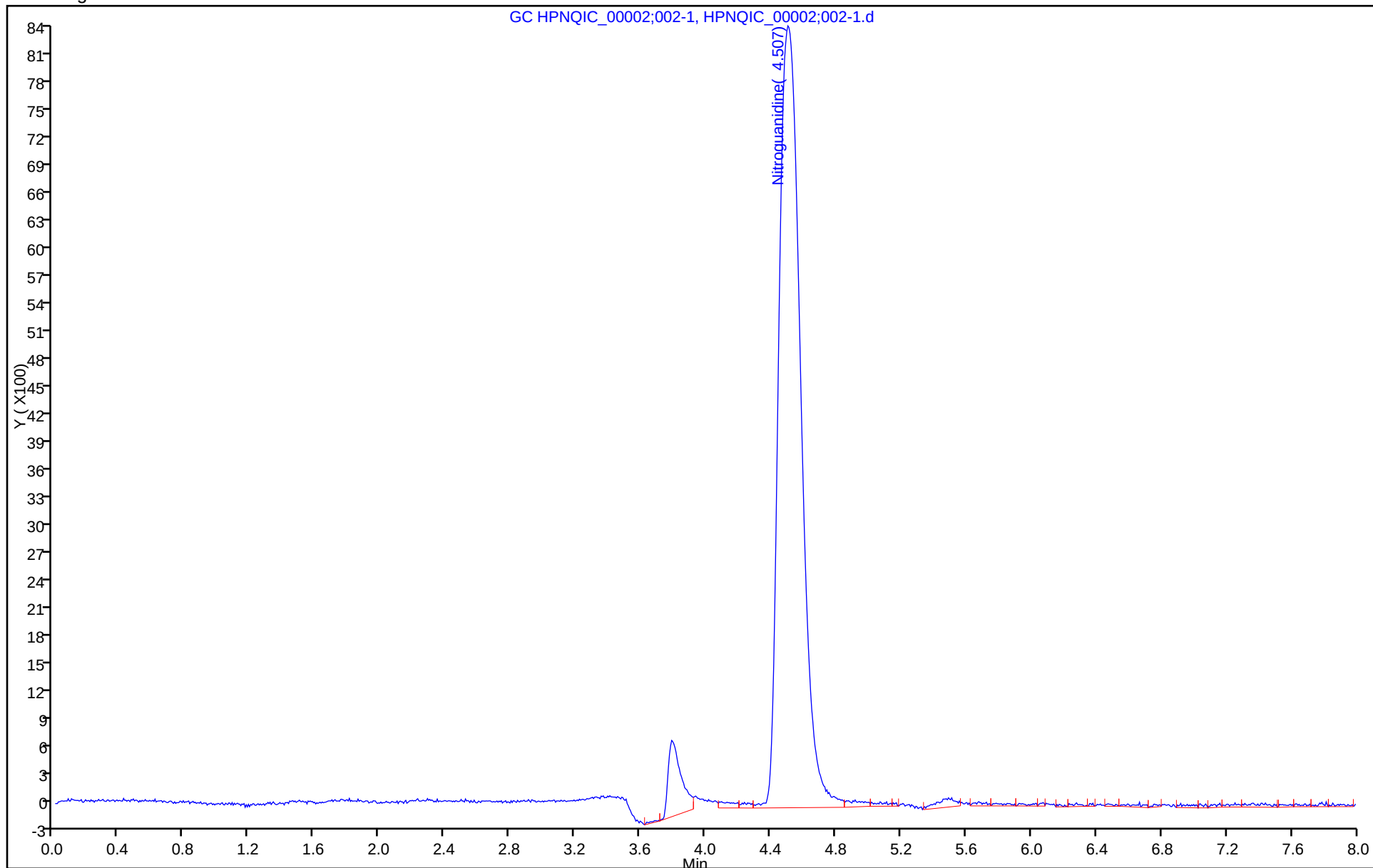
RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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1 Nitroguanidine
4.507 4.507 0.0 8422 189.7

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\PDA1\20121019-1096.b\HPNQIC_00002;002-1.d
Injection Date: 19-Oct-2012 18:17:00 Limit Group: LC 8330 Ngu ICAL
Client ID: Instrument ID: PDA1
Lims Batch ID: 4779 Lims Sample ID: 11
Operator ID: RN Injection Vol: 50.0 ul
Column Type: Synergi 4u Hydro-RP80A Column Dia: 4.00 mm

Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1
SDG No.: _____
Lab Sample ID: LODV 320-4779/12 Calibration Date: 10/19/2012 18:36
Instrument ID: PDA1 Calib Start Date: 10/19/2012 15:58
GC Column: Hydro RP80A 4 ID: 4.00 (mm) Calib End Date: 10/19/2012 17:37
Lab File ID: HPNQ2XM_00002001-1.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitroguanidine	Ave	44.39	49.40		5.56	5.00	11.3	

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1
SDG No.: _____
Lab Sample ID: LODV 320-4779/12 Calibration Date: 10/19/2012 18:36
Instrument ID: PDA1 Calib Start Date: 10/19/2012 15:58
GC Column: Hydro RP80A 4 ID: 4.00 (mm) Calib End Date: 10/19/2012 17:37
Lab File ID: HPNQ2XM_00002001-1.d

Analyte	RT	RT WINDOW	
		FROM	TO
Nitroguanidine	4.56	4.26	4.76

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\PDA1\20121019-1096.b\HPNQ2XM_00002001-1.d
Lims ID: LODV Client ID:
Inject. Date: 19-Oct-2012 18:36:00 Dil. Factor: 1.0000
Sample Type: LODV
Sample ID: HPNQ2xM_00002 Verification
Misc. Info.: none 2xMDL NQ Std 5 ng/mL
Operator: RN Instrument ID: PDA1
Injection Vol: 50.0 ul ALS Bottle#: 0
Lims Batch ID: 4779 Lims Sample ID: 12
Detector: GC HPNQ2XM_00002001-1

Method: \\SACChrom\ChromData\PDA1\20121019-1096.b\NQ CONFIRMATION.m
Last Update: 29-Oct-2012 15:09:46 Calib Date: 19-Oct-2012 17:37:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\PDA1\20121019-1096.b\HPNQL7_00003001-1.d
Limit Group: LC 8330 Ngu ICAL
Integrator: Falcon
Column Type: Synergi 4u Hydro-RP80A Column Dia: 4.00 mm
Process Host: XAWRK037

First Level Reviewer: noonanr

Date: 22-Oct-2012 08:13:53

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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1 Nitroguanidine
4.560 4.507 0.053 247 5.56

Report Date: 29-Oct-2012 15:09:47

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

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\PDA1\20121019-1096.b\HPNQ2XM_00002001-1.d

Injection Date: 19-Oct-2012 18:36:00

Limit Group: LC 8330 Ngu ICAL

Client ID:

Instrument ID: PDA1

Lims Batch ID: 4779

Lims Sample ID: 12

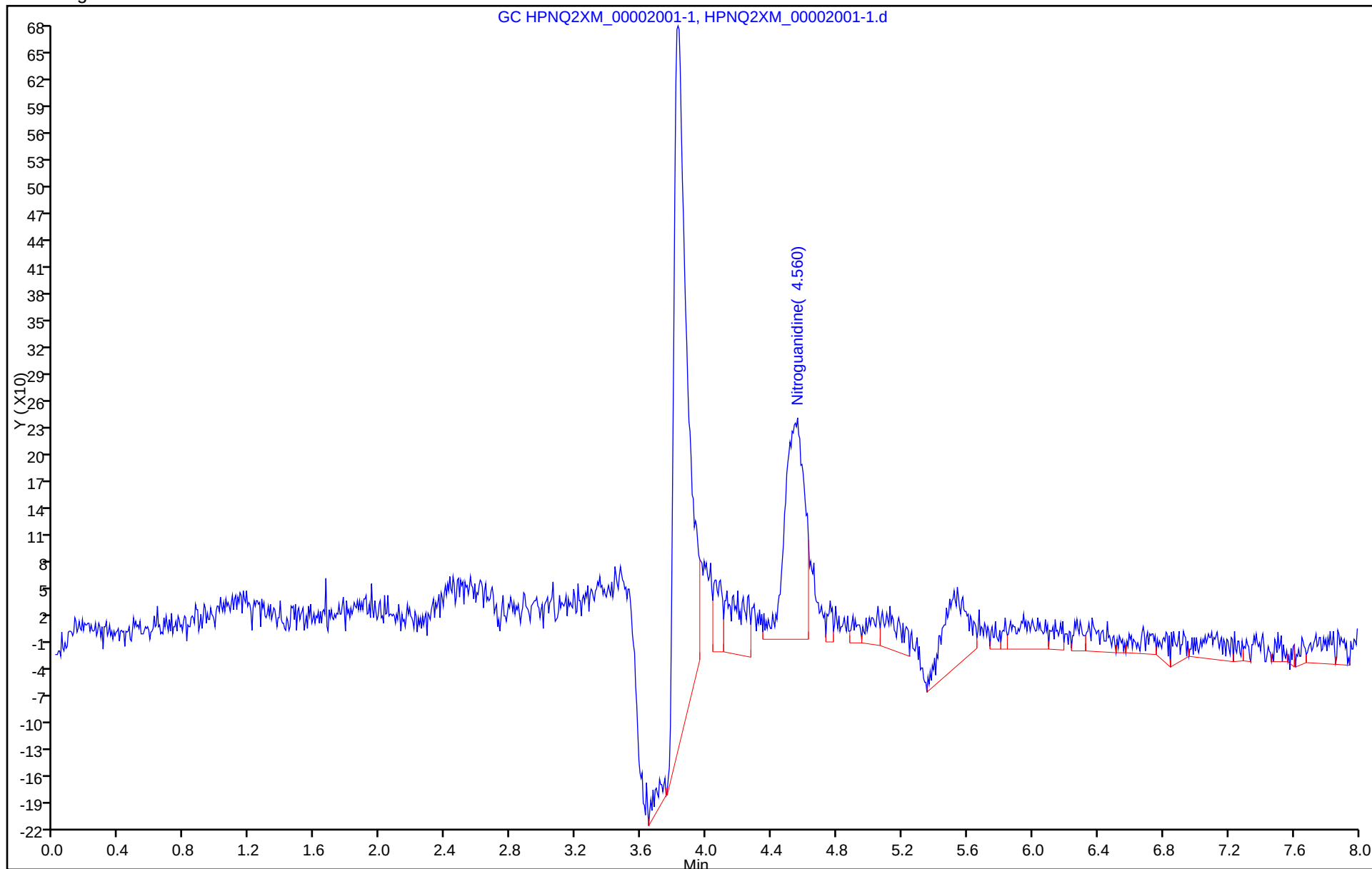
Operator ID: RN

Injection Vol: 50.0 ul

Column Type: Synergi 4u Hydro-RP80A

Column Dia: 4.00 mm

Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1
SDG No.: _____
Lab Sample ID: CCVL 320-6611/3 Calibration Date: 11/29/2012 15:29
Instrument ID: PDA1 Calib Start Date: 10/17/2012 09:29
GC Column: Luna NH2 ID: 4.60 (mm) Calib End Date: 10/17/2012 10:41
Lab File ID: 320-0001600-003-1.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitroguanidine	Ave	47.12	49.60		21.1	20.0	5.3	30.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1
SDG No.: _____
Lab Sample ID: CCVL 320-6611/3 Calibration Date: 11/29/2012 15:29
Instrument ID: PDA1 Calib Start Date: 10/17/2012 09:29
GC Column: Luna NH2 ID: 4.60 (mm) Calib End Date: 10/17/2012 10:41
Lab File ID: 320-0001600-003-1.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\20121129-1600.b\320-0001600-003-1.d
Lims ID: CCVL Client ID:
Inject. Date: 29-Nov-2012 15:29:00 Dil. Factor: 1.0000
Sample Type: CCVL
Sample ID: 320-0001600-003 Analysis
Misc. Info.: none MRL
Operator: RN Instrument ID: PDA1
Injection Vol: 50.0 ul ALS Bottle#: 0
Lims Batch ID: 6611 Lims Sample ID: 3
Sublist: chrom-NGu Primary*sub1
Detector: GC 320-0001600-003-1
Method: \\SACChrom\ChromData\PDA1\20121129-1600.b\NGu Primary.m
Last Update: 30-Nov-2012 07:31:30 Calib Date: 17-Oct-2012 10:41:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\PDA1\20121016-1075.b\HPNQL7_00003-1.d
Limit Group: LC 8330 Ngu ICAL
Integrator: Falcon
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm
Process Host: XAWRK002

First Level Reviewer: noonanr

Date: 30-Nov-2012 07:31:30

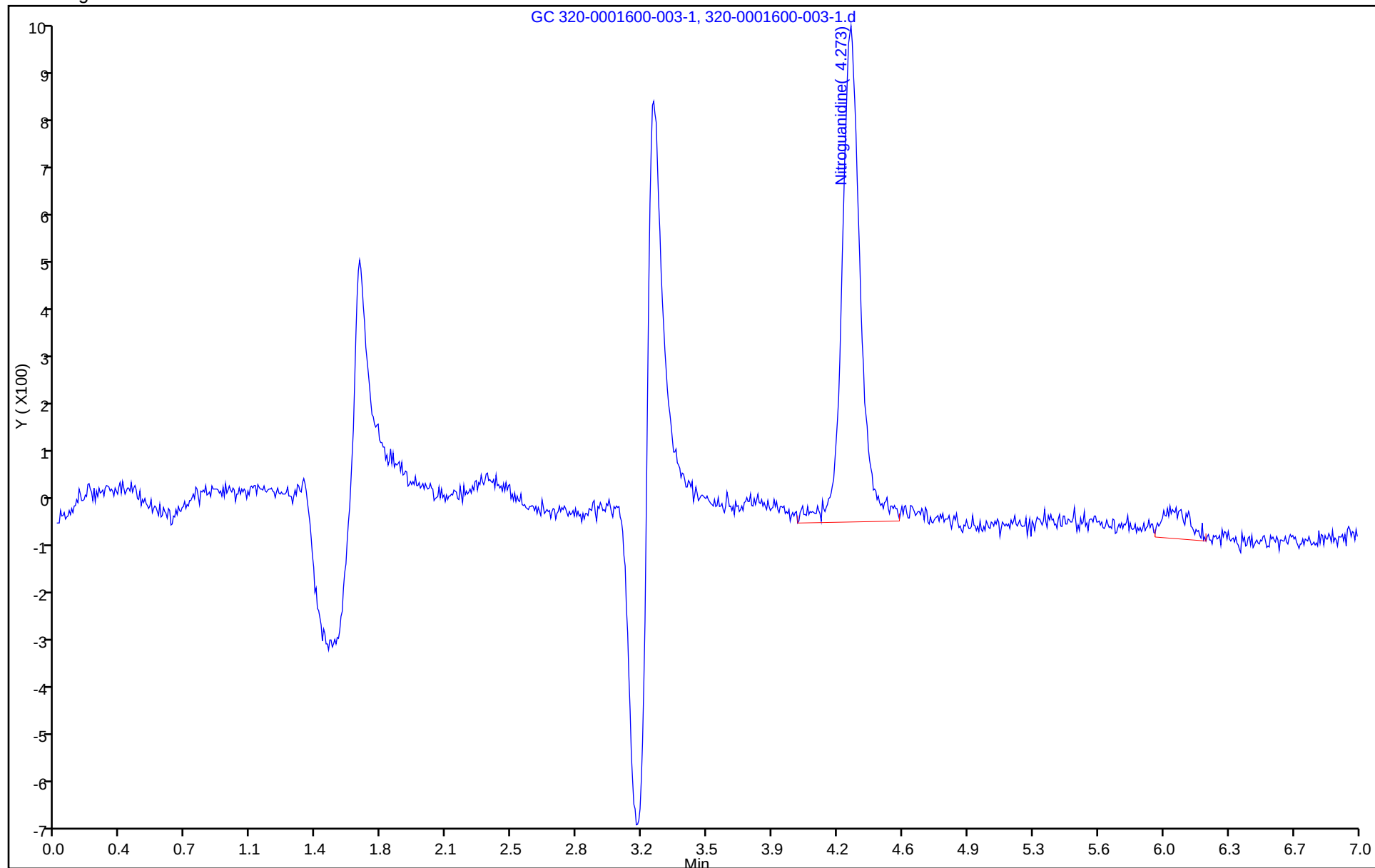
RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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1 Nitroguanidine
4.273 4.273 0.0 992 21.1

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\PDA1\20121129-1600.b\320-0001600-003-1.d
Injection Date: 29-Nov-2012 15:29:00 Limit Group: LC 8330 Ngu ICAL
Client ID: Instrument ID: PDA1
Lims Batch ID: 6611 Lims Sample ID: 3
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 West Sacramento Job No.: 240-17525-1
SDG No.: _____
Lab Sample ID: CCV 320-6611/4 Calibration Date: 11/29/2012 15:44
Instrument ID: PDA1 Calib Start Date: 10/17/2012 09:29
GC Column: Luna NH2 ID: 4.60 (mm) Calib End Date: 10/17/2012 10:41
Lab File ID: 320-0001600-004-1.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitroguanidine	Ave	47.12	48.17		204	200	2.2	15.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1
SDG No.: _____
Lab Sample ID: CCV 320-6611/4 Calibration Date: 11/29/2012 15:44
Instrument ID: PDA1 Calib Start Date: 10/17/2012 09:29
GC Column: Luna NH2 ID: 4.60 (mm) Calib End Date: 10/17/2012 10:41
Lab File ID: 320-0001600-004-1.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\20121129-1600.b\320-0001600-004-1.d
Lims ID: ccv 05 Client ID:
Inject. Date: 29-Nov-2012 15:44:00 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 320-0001600-004 Analysis
Misc. Info.: none STD05
Operator: RN Instrument ID: PDA1
Injection Vol: 50.0 ul ALS Bottle#: 0
Lims Batch ID: 6611 Lims Sample ID: 4
Sublist: chrom-NGu Primary*sub1
Detector: GC 320-0001600-004-1
Method: \\SACChrom\ChromData\PDA1\20121129-1600.b\NGu Primary.m
Last Update: 30-Nov-2012 07:34:09 Calib Date: 17-Oct-2012 10:41:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\PDA1\20121016-1075.b\HPNQL7_00003-1.d
Limit Group: LC 8330 Ngu ICAL
Integrator: Falcon
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm
Process Host: XAWRK002

First Level Reviewer: noonanr

Date: 30-Nov-2012 07:34:09

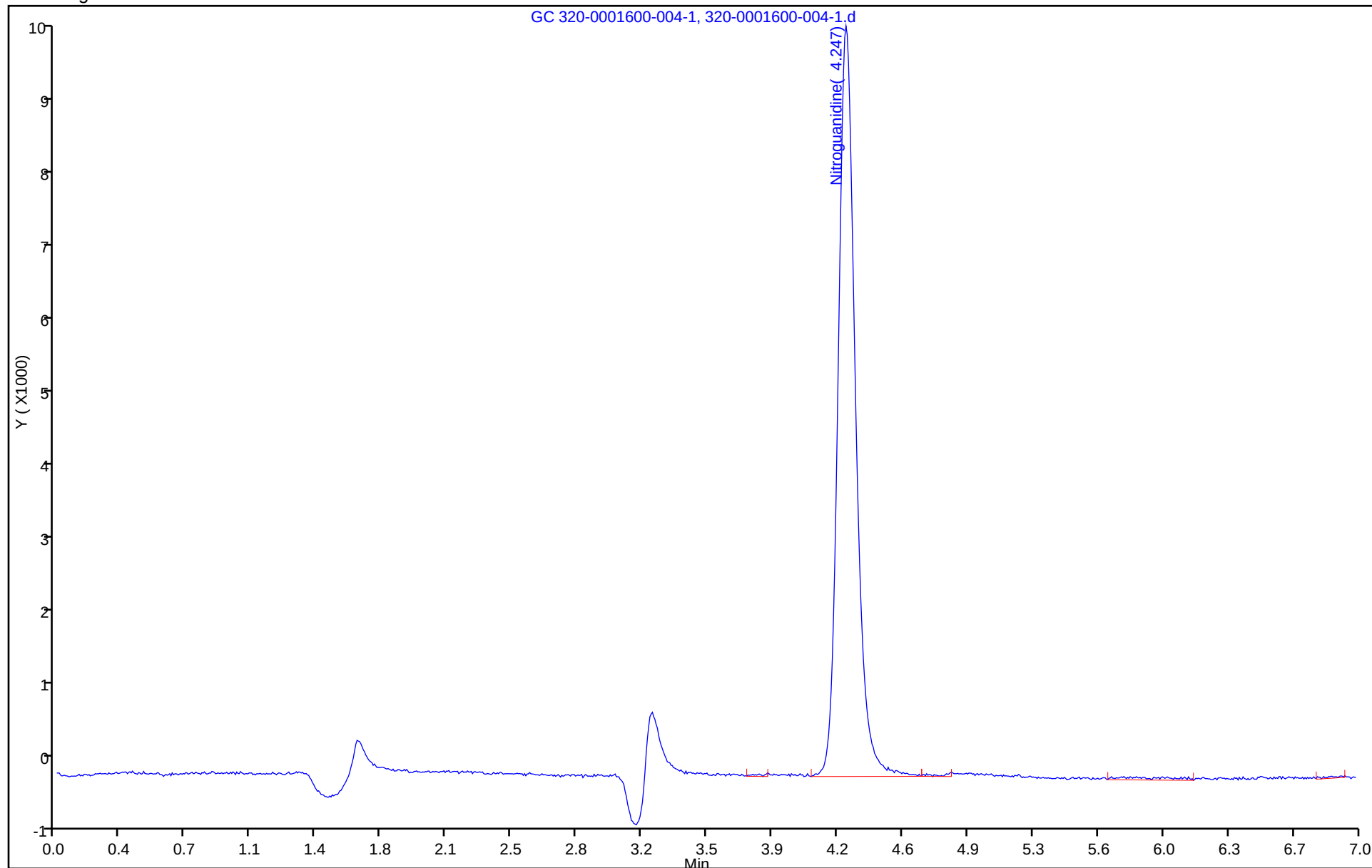
RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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1 Nitroguanidine
4.247 4.247 0.0 9634 204.5

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\PDA1\20121129-1600.b\320-0001600-004-1.d
Injection Date: 29-Nov-2012 15:44:00 Limit Group: LC 8330 Ngu ICAL
Client ID: Instrument ID: PDA1
Lims Batch ID: 6611 Lims Sample ID: 4
Operator ID: RN Injection Vol: 50.0 ul
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm

Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1
SDG No.: _____
Lab Sample ID: CCV 320-6611/15 Calibration Date: 11/29/2012 18:21
Instrument ID: PDA1 Calib Start Date: 10/17/2012 09:29
GC Column: Luna NH2 ID: 4.60 (mm) Calib End Date: 10/17/2012 10:41
Lab File ID: 320-0001600-015-1.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitroguanidine	Ave	47.12	47.88		102	100	1.6	15.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1
SDG No.: _____
Lab Sample ID: CCV 320-6611/15 Calibration Date: 11/29/2012 18:21
Instrument ID: PDA1 Calib Start Date: 10/17/2012 09:29
GC Column: Luna NH2 ID: 4.60 (mm) Calib End Date: 10/17/2012 10:41
Lab File ID: 320-0001600-015-1.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\20121129-1600.b\320-0001600-015-1.d
Lims ID: ccv 04 Client ID:
Inject. Date: 29-Nov-2012 18:21:00 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 320-0001600-015 Analysis
Misc. Info.: none STD04
Operator: RN Instrument ID: PDA1
Injection Vol: 50.0 ul ALS Bottle#: 0
Lims Batch ID: 6611 Lims Sample ID: 15
Sublist: chrom-NGu Primary*sub1
Detector: GC 320-0001600-015-1
Method: \\SACChrom\ChromData\PDA1\20121129-1600.b\NGu Primary.m
Last Update: 30-Nov-2012 07:42:13 Calib Date: 17-Oct-2012 10:41:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\PDA1\20121016-1075.b\HPNQL7_00003-1.d
Limit Group: LC 8330 Ngu ICAL
Integrator: Falcon
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm
Process Host: XAWRK002

First Level Reviewer: noonanr

Date: 30-Nov-2012 07:42:13

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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1 Nitroguanidine
4.240 4.240 0.0 4788 101.6

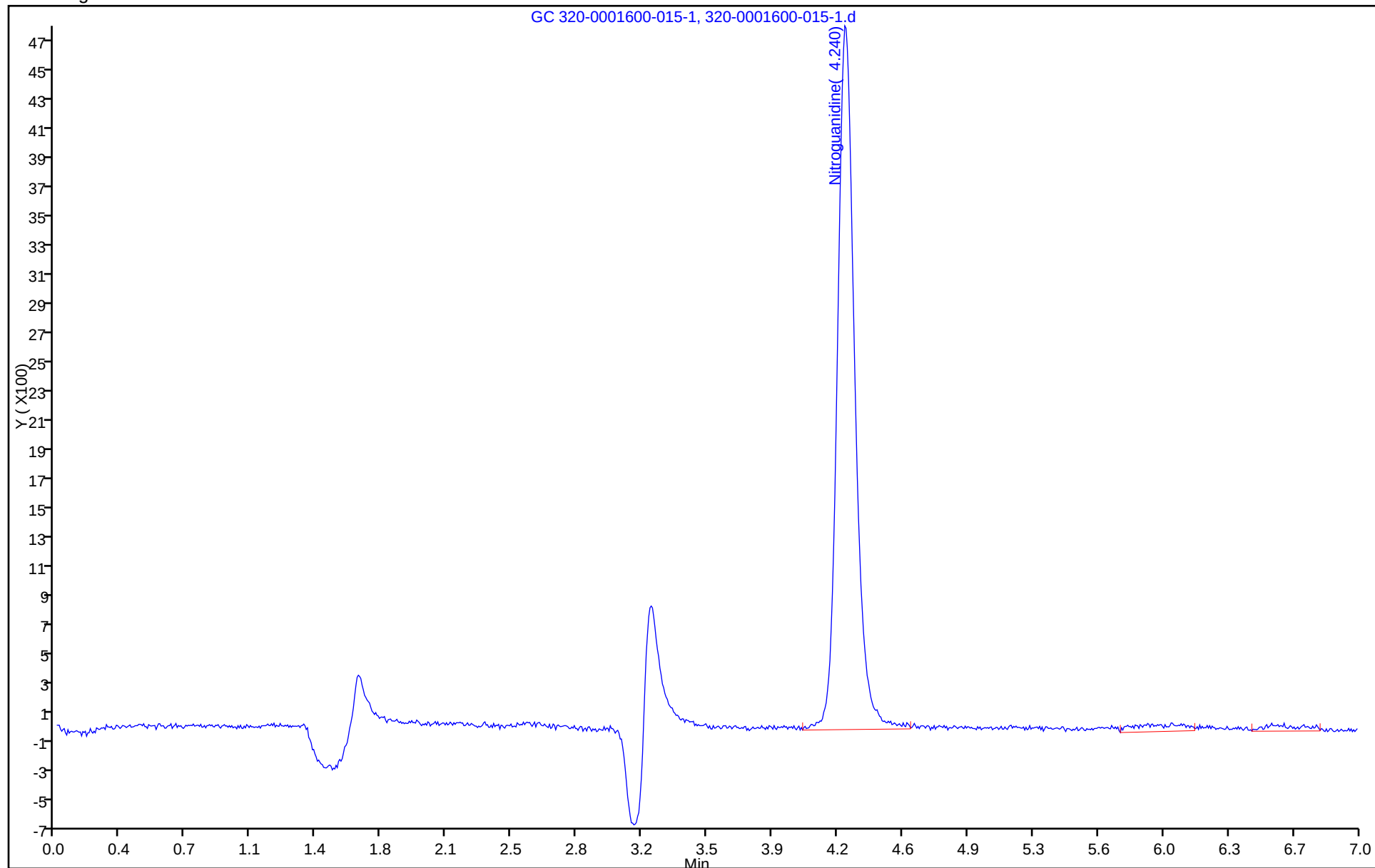
Report Date: 30-Nov-2012 07:42:14

Chrom Revision: 2.1 29-Nov-2012 15:29:30

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\PDA1\20121129-1600.b\320-0001600-015-1.d
Injection Date: 29-Nov-2012 18:21:00 Limit Group: LC 8330 Ngu ICAL
Client ID: Instrument ID: PDA1
Lims Batch ID: 6611 Lims Sample ID: 15
Operator ID: RN Injection Vol: 50.0 ul
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm

Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1
SDG No.: _____
Lab Sample ID: CCVL 320-6611/26 Calibration Date: 11/29/2012 20:59
Instrument ID: PDA1 Calib Start Date: 10/17/2012 09:29
GC Column: Luna NH2 ID: 4.60 (mm) Calib End Date: 10/17/2012 10:41
Lab File ID: 320-0001600-026-1.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitroguanidine	Ave	47.12	49.20		20.9	20.0	4.4	30.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1
SDG No.: _____
Lab Sample ID: CCVL 320-6611/26 Calibration Date: 11/29/2012 20:59
Instrument ID: PDA1 Calib Start Date: 10/17/2012 09:29
GC Column: Luna NH2 ID: 4.60 (mm) Calib End Date: 10/17/2012 10:41
Lab File ID: 320-0001600-026-1.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\20121129-1600.b\320-0001600-026-1.d
Lims ID: CCVL Client ID:
Inject. Date: 29-Nov-2012 20:59:00 Dil. Factor: 1.0000
Sample Type: CCVL
Sample ID: 320-0001600-026 Analysis
Misc. Info.: none MRL
Operator: RN Instrument ID: PDA1
Injection Vol: 50.0 ul ALS Bottle#: 0
Lims Batch ID: 6611 Lims Sample ID: 26
Sublist: chrom-NGu Primary*sub1
Detector: GC 320-0001600-026-1
Method: \\SACChrom\ChromData\PDA1\20121129-1600.b\NGu Primary.m
Last Update: 30-Nov-2012 07:46:21 Calib Date: 17-Oct-2012 10:41:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\PDA1\20121016-1075.b\HPNQL7_00003-1.d
Limit Group: LC 8330 Ngu ICAL
Integrator: Falcon
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm
Process Host: XAWRK002

First Level Reviewer: noonanr

Date: 30-Nov-2012 07:46:21

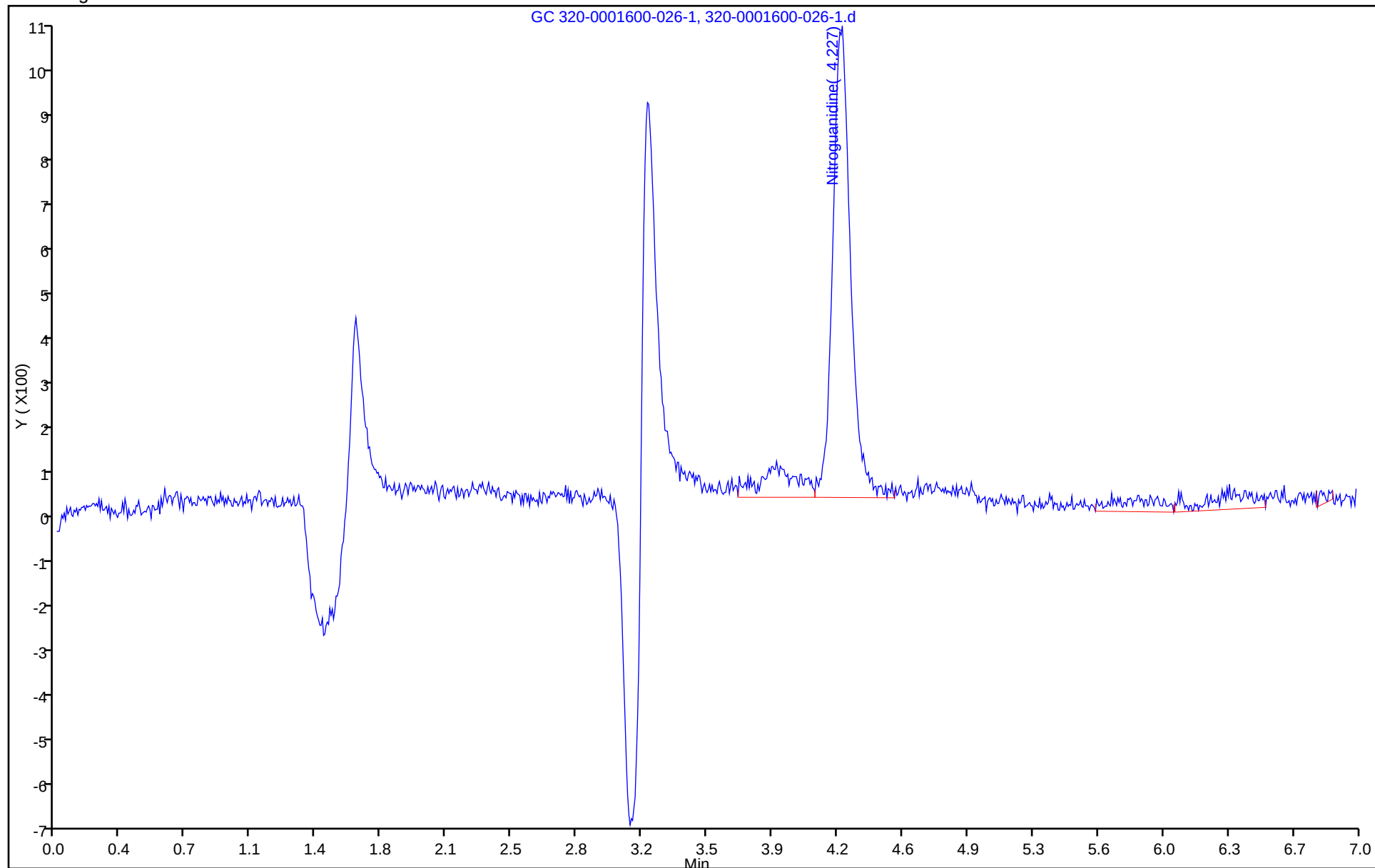
RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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1 Nitroguanidine
4.227 4.227 0.0 984 20.9

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\PDA1\20121129-1600.b\320-0001600-026-1.d
Injection Date: 29-Nov-2012 20:59:00 Limit Group: LC 8330 Ngu ICAL
Client ID: Instrument ID: PDA1
Lims Batch ID: 6611 Lims Sample ID: 26
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 West Sacramento Job No.: 240-17525-1
SDG No.: _____
Lab Sample ID: CCV 320-6611/27 Calibration Date: 11/29/2012 21:13
Instrument ID: PDA1 Calib Start Date: 10/17/2012 09:29
GC Column: Luna NH2 ID: 4.60 (mm) Calib End Date: 10/17/2012 10:41
Lab File ID: 320-0001600-027-1.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitroguanidine	Ave	47.12	47.85		102	100	1.5	15.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1
SDG No.: _____
Lab Sample ID: CCV 320-6611/27 Calibration Date: 11/29/2012 21:13
Instrument ID: PDA1 Calib Start Date: 10/17/2012 09:29
GC Column: Luna NH2 ID: 4.60 (mm) Calib End Date: 10/17/2012 10:41
Lab File ID: 320-0001600-027-1.d

Analyte	RT	RT WINDOW	
		FROM	TO
Nitroguanidine	4.22	3.97	4.47

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\PDA1\20121129-1600.b\320-0001600-027-1.d
Lims ID: ccv 04 Client ID:
Inject. Date: 29-Nov-2012 21:13:00 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 320-0001600-027 Analysis
Misc. Info.: none STD04
Operator: RN Instrument ID: PDA1
Injection Vol: 50.0 ul ALS Bottle#: 0
Lims Batch ID: 6611 Lims Sample ID: 27
Sublist: chrom-NGu Primary*sub1
Detector: GC 320-0001600-027-1

Method: \\SACChrom\ChromData\PDA1\20121129-1600.b\NGu Primary.m
Last Update: 30-Nov-2012 07:46:34 Calib Date: 17-Oct-2012 10:41:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\PDA1\20121016-1075.b\HPNQL7_00003-1.d
Limit Group: LC 8330 Ngu ICAL
Integrator: Falcon
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm
Process Host: XAWRK002

First Level Reviewer: noonanr

Date: 30-Nov-2012 07:46:34

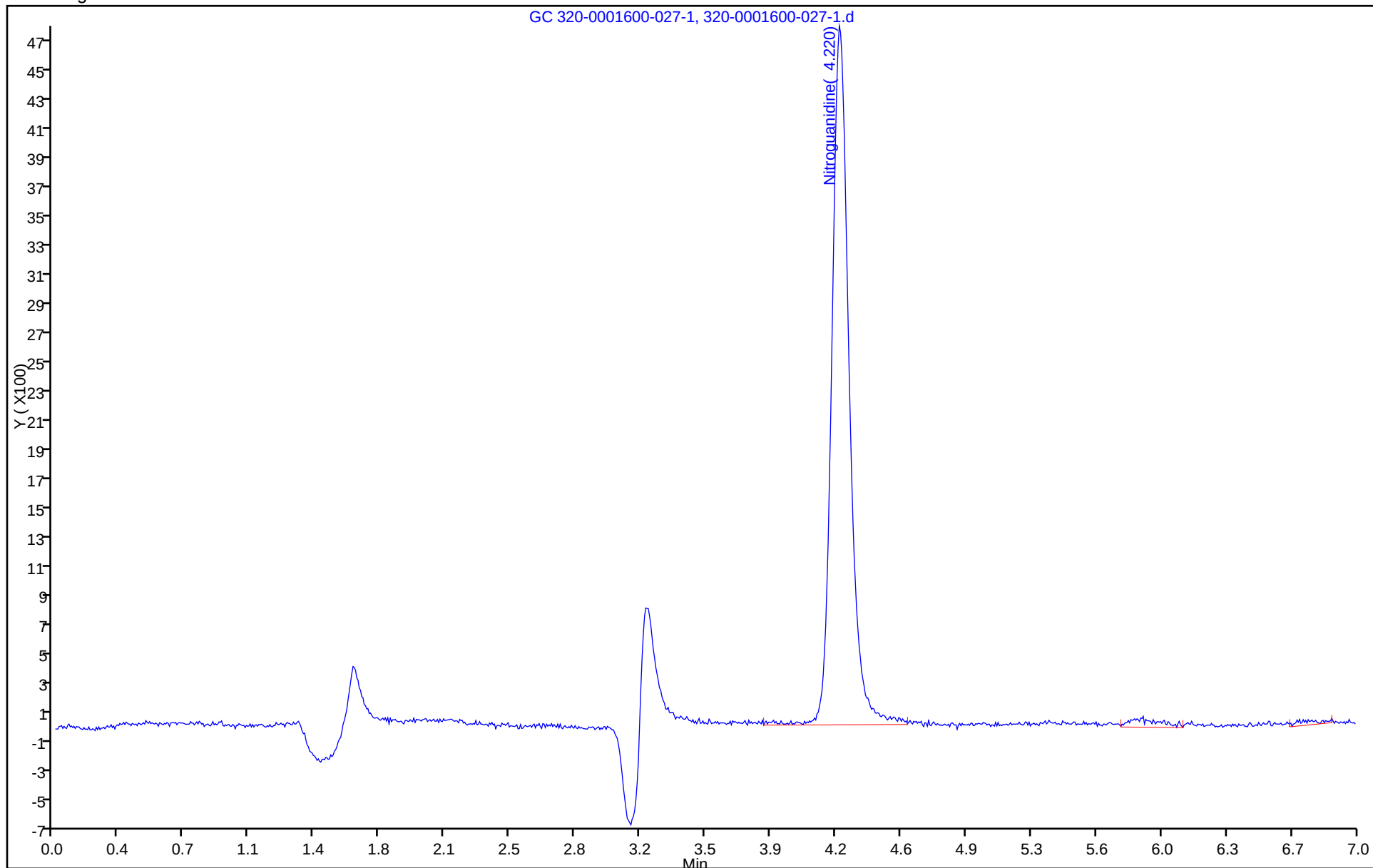
RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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1 Nitroguanidine
4.220 4.220 0.0 4785 101.5

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\PDA1\20121129-1600.b\320-0001600-027-1.d
Injection Date: 29-Nov-2012 21:13:00 Limit Group: LC 8330 Ngu ICAL
Client ID: Instrument ID: PDA1
Lims Batch ID: 6611 Lims Sample ID: 27
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 West Sacramento Job No.: 240-17525-1
SDG No.: _____
Lab Sample ID: CCVL 320-6629/3 Calibration Date: 11/30/2012 10:22
Instrument ID: PDA1 Calib Start Date: 10/19/2012 15:58
GC Column: Hydro RP80A 4 ID: 4.00 (mm) Calib End Date: 10/19/2012 17:37
Lab File ID: 320-0001606-003-1.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitroguanidine	Ave	44.39	52.80		23.8	20.0	19.2	30.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1
SDG No.: _____
Lab Sample ID: CCVL 320-6629/3 Calibration Date: 11/30/2012 10:22
Instrument ID: PDA1 Calib Start Date: 10/19/2012 15:58
GC Column: Hydro RP80A 4 ID: 4.00 (mm) Calib End Date: 10/19/2012 17:37
Lab File ID: 320-0001606-003-1.d

Analyte	RT	RT WINDOW	
		FROM	TO
Nitroguanidine	4.48	4.23	4.73

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\PDA1\20121130-1606.b\320-0001606-003-1.d
Lims ID: CCVL Client ID:
Inject. Date: 30-Nov-2012 10:22:00 Dil. Factor: 1.0000
Sample Type: CCVL
Sample ID: 320-0001606-003 Analysis
Misc. Info.: none MRL
Operator: RN Instrument ID: PDA1
Injection Vol: 50.0 ul ALS Bottle#: 0
Lims Batch ID: 6629 Lims Sample ID: 3
Sublist: chrom-NQ CONFIRMATION*sub1
Detector: GC 320-0001606-003-1
Method: \\SACChrom\ChromData\PDA1\20121130-1606.b\NQ CONFIRMATION.m
Last Update: 30-Nov-2012 12:11:48 Calib Date: 19-Oct-2012 17:37:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\PDA1\20121019-1096.b\HPNQL7_00003001-1.d
Limit Group: LC 8330 Ngu ICAL
Integrator: Falcon
Column Type: Synergi 4u Hydro-RP80A Column Dia: 4.00 mm
Process Host: XAWRK002

First Level Reviewer: noonanr

Date: 30-Nov-2012 12:11:48

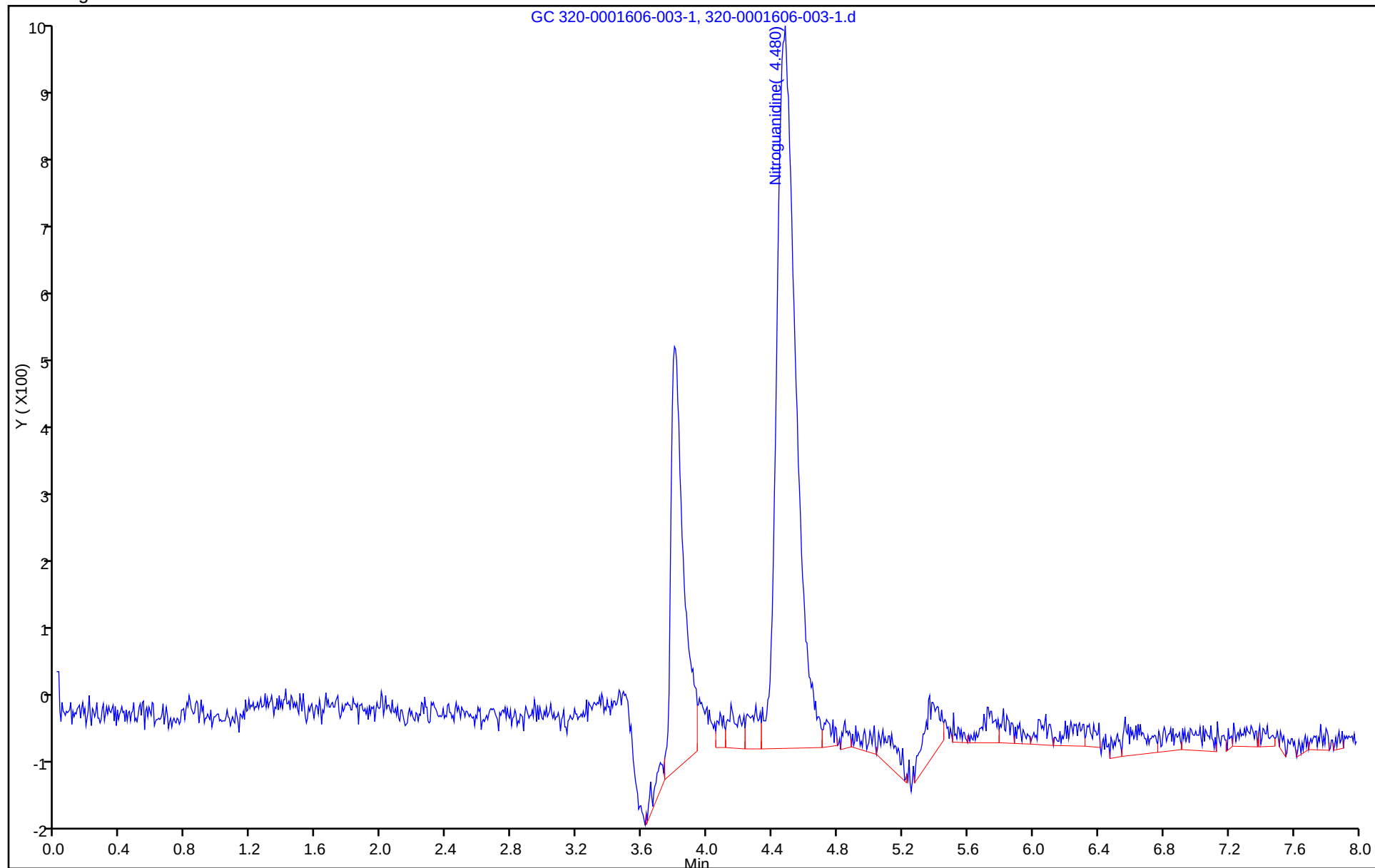
RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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1 Nitroguanidine
4.480 4.480 0.0 1056 23.8

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\PDA1\20121130-1606.b\320-0001606-003-1.d
Injection Date: 30-Nov-2012 10:22:00 Limit Group: LC 8330 Ngu ICAL
Client ID: Instrument ID: PDA1
Lims Batch ID: 6629 Lims Sample ID: 3
Operator ID: RN Injection Vol: 50.0 ul
Column Type: Synergi 4u Hydro-RP80A Column Dia: 4.00 mm

Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1
SDG No.: _____
Lab Sample ID: CCV 320-6629/4 Calibration Date: 11/30/2012 10:42
Instrument ID: PDA1 Calib Start Date: 10/19/2012 15:58
GC Column: Hydro RP80A 4 ID: 4.00 (mm) Calib End Date: 10/19/2012 17:37
Lab File ID: 320-0001606-004-1.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitroguanidine	Ave	44.39	48.80		220	200	9.9	15.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1
SDG No.: _____
Lab Sample ID: CCV 320-6629/4 Calibration Date: 11/30/2012 10:42
Instrument ID: PDA1 Calib Start Date: 10/19/2012 15:58
GC Column: Hydro RP80A 4 ID: 4.00 (mm) Calib End Date: 10/19/2012 17:37
Lab File ID: 320-0001606-004-1.d

Analyte	RT	RT WINDOW	
		FROM	TO
Nitroguanidine	4.53	4.28	4.78

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\PDA1\20121130-1606.b\320-0001606-004-1.d
Lims ID: CCV 05 Client ID:
Inject. Date: 30-Nov-2012 10:42:00 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 320-0001606-004 Analysis
Misc. Info.: none STD05
Operator: RN Instrument ID: PDA1
Injection Vol: 50.0 ul ALS Bottle#: 0
Lims Batch ID: 6629 Lims Sample ID: 4
Sublist: chrom-NQ CONFIRMATION*sub1
Detector: GC 320-0001606-004-1
Method: \\SACChrom\ChromData\PDA1\20121130-1606.b\NQ CONFIRMATION.m
Last Update: 30-Nov-2012 12:12:11 Calib Date: 19-Oct-2012 17:37:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\PDA1\20121019-1096.b\HPNQL7_00003001-1.d
Limit Group: LC 8330 Ngu ICAL
Integrator: Falcon
Column Type: Synergi 4u Hydro-RP80A Column Dia: 4.00 mm
Process Host: XAWRK002

First Level Reviewer: noonanr

Date: 30-Nov-2012 12:12:11

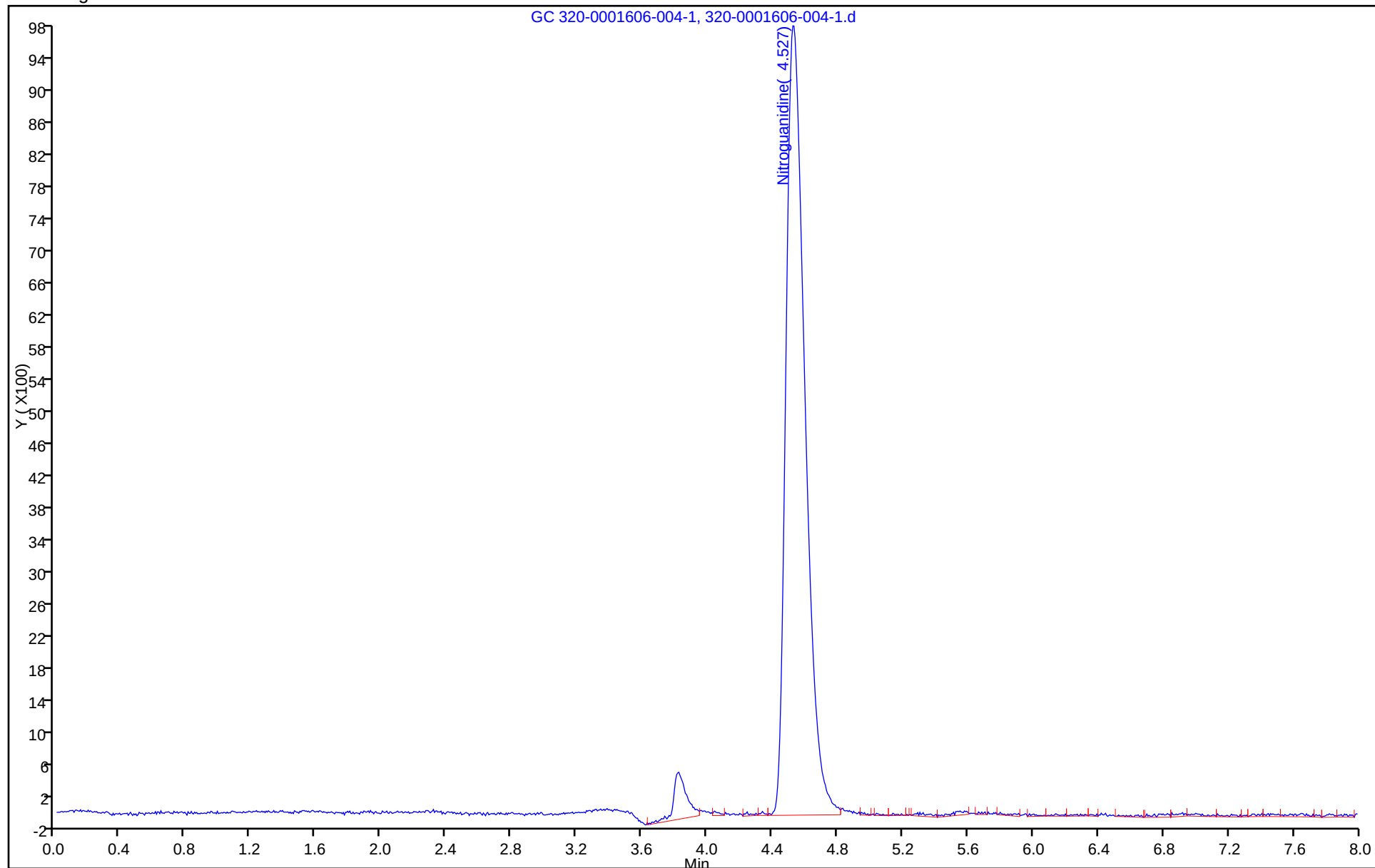
RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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1 Nitroguanidine
4.527 4.527 0.0 9759 220.3

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\PDA1\20121130-1606.b\320-0001606-004-1.d
Injection Date: 30-Nov-2012 10:42:00 Limit Group: LC 8330 Ngu ICAL
Client ID: Instrument ID: PDA1
Lims Batch ID: 6629 Lims Sample ID: 4
Operator ID: RN Injection Vol: 50.0 ul
Column Type: Synergi 4u Hydro-RP80A Column Dia: 4.00 mm

Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1
SDG No.: _____
Lab Sample ID: CCV 320-6629/9 Calibration Date: 11/30/2012 12:21
Instrument ID: PDA1 Calib Start Date: 10/19/2012 15:58
GC Column: Hydro RP80A 4 ID: 4.00 (mm) Calib End Date: 10/19/2012 17:37
Lab File ID: 320-0001606-009-1.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitroguanidine	Ave	44.39	49.77		112	100	12.1	15.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1
SDG No.: _____
Lab Sample ID: CCV 320-6629/9 Calibration Date: 11/30/2012 12:21
Instrument ID: PDA1 Calib Start Date: 10/19/2012 15:58
GC Column: Hydro RP80A 4 ID: 4.00 (mm) Calib End Date: 10/19/2012 17:37
Lab File ID: 320-0001606-009-1.d

Analyte	RT	RT WINDOW	
		FROM	TO
Nitroguanidine	4.47	4.22	4.72

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\PDA1\20121130-1606.b\320-0001606-009-1.d
Lims ID: CCV 04 Client ID:
Inject. Date: 30-Nov-2012 12:21:00 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 320-0001606-009 Analysis
Misc. Info.: none std 04
Operator: RN Instrument ID: PDA1
Injection Vol: 50.0 ul ALS Bottle#: 0
Lims Batch ID: 6629 Lims Sample ID: 9
Sublist: chrom-NQ CONFIRMATION*sub1
Detector: GC 320-0001606-009-1
Method: \\SACChrom\ChromData\PDA1\20121130-1606.b\NQ CONFIRMATION.m
Last Update: 30-Nov-2012 12:47:51 Calib Date: 19-Oct-2012 17:37:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\PDA1\20121019-1096.b\HPNQL7_00003001-1.d
Limit Group: LC 8330 Ngu ICAL
Integrator: Falcon
Column Type: Synergi 4u Hydro-RP80A Column Dia: 4.00 mm
Process Host: XAWRK002

First Level Reviewer: noonanr

Date: 30-Nov-2012 12:47:51

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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1 Nitroguanidine
4.467 4.467 0.0 4977 112.4

Report Date: 30-Nov-2012 12:47:52

Chrom Revision: 2.1 29-Nov-2012 15:29:30

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\PDA1\20121130-1606.b\320-0001606-009-1.d

Injection Date: 30-Nov-2012 12:21:00

Limit Group: LC 8330 Ngu ICAL

Client ID:

Instrument ID: PDA1

Lims Batch ID: 6629

Lims Sample ID: 9

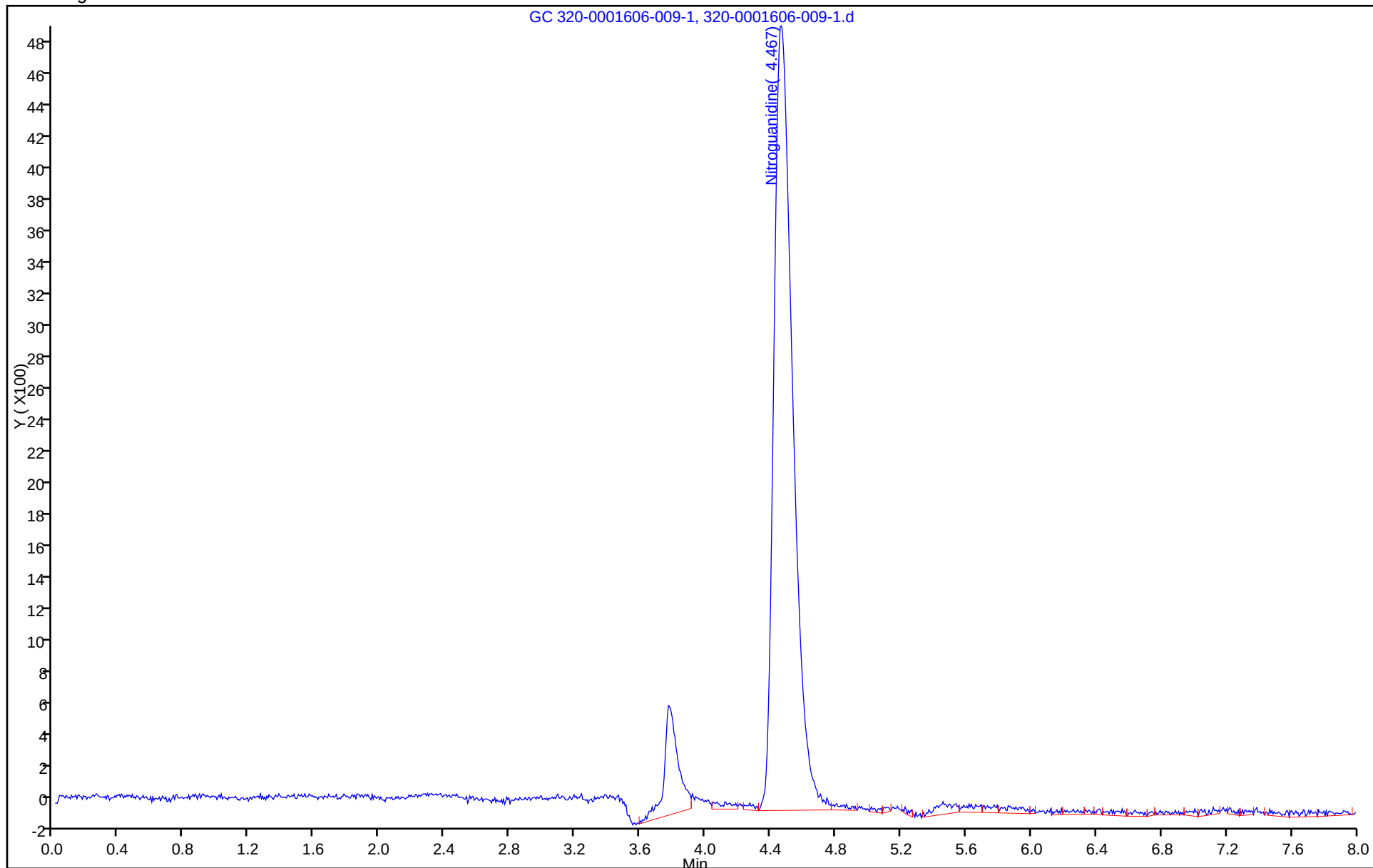
Operator ID: RN

Injection Vol: 50.0 ul

Column Type: Synergi 4u Hydro-RP80A

Column Dia: 4.00 mm

Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1
SDG No.: _____
Lab Sample ID: CCVL 320-6629/10 Calibration Date: 11/30/2012 12:40
Instrument ID: PDA1 Calib Start Date: 10/19/2012 15:58
GC Column: Hydro RP80A 4 ID: 4.00 (mm) Calib End Date: 10/19/2012 17:37
Lab File ID: 320-0001606-010-1.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitroguanidine	Ave	44.39	50.55		22.8	20.0	14.1	30.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1
SDG No.: _____
Lab Sample ID: CCVL 320-6629/10 Calibration Date: 11/30/2012 12:40
Instrument ID: PDA1 Calib Start Date: 10/19/2012 15:58
GC Column: Hydro RP80A 4 ID: 4.00 (mm) Calib End Date: 10/19/2012 17:37
Lab File ID: 320-0001606-010-1.d

Analyte	RT	RT WINDOW	
		FROM	TO
Nitroguanidine	4.45	4.20	4.70

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\PDA1\20121130-1606.b\320-0001606-010-1.d
Lims ID: CCVL Client ID:
Inject. Date: 30-Nov-2012 12:40:00 Dil. Factor: 1.0000
Sample Type: CCVL
Sample ID: 320-0001606-010 Analysis
Misc. Info.: none mrl
Operator: RN Instrument ID: PDA1
Injection Vol: 50.0 ul ALS Bottle#: 0
Lims Batch ID: 6629 Lims Sample ID: 10
Sublist: chrom-NQ CONFIRMATION*sub1
Detector: GC 320-0001606-010-1
Method: \\SACChrom\ChromData\PDA1\20121130-1606.b\NQ CONFIRMATION.m
Last Update: 30-Nov-2012 13:18:33 Calib Date: 19-Oct-2012 17:37:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\PDA1\20121019-1096.b\HPNQL7_00003001-1.d
Limit Group: LC 8330 Ngu ICAL
Integrator: Falcon
Column Type: Synergi 4u Hydro-RP80A Column Dia: 4.00 mm
Process Host: XAWRK002

First Level Reviewer: noonanr

Date: 30-Nov-2012 13:18:33

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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1 Nitroguanidine
4.453 4.453 0.0 1011 22.8

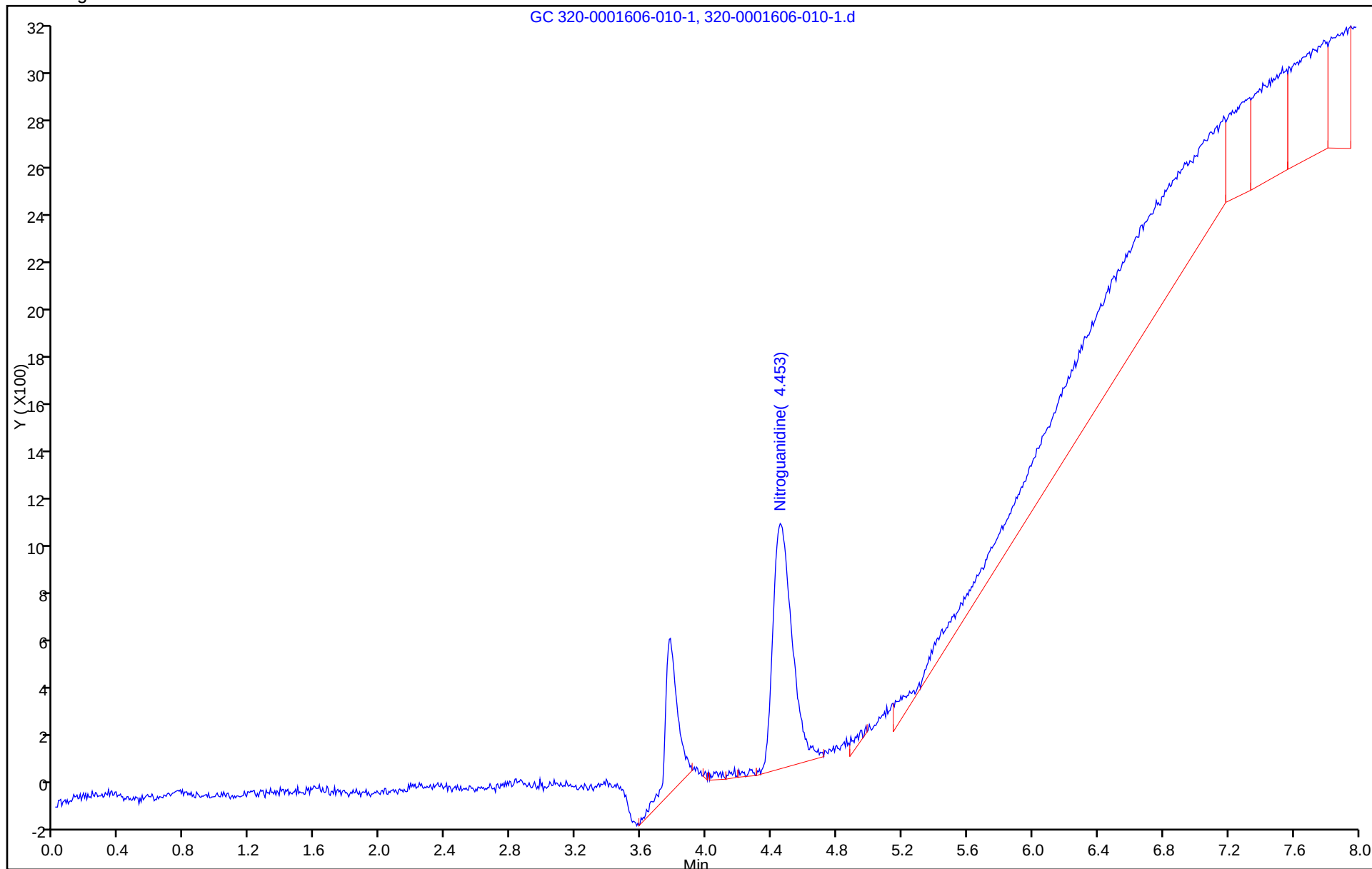
Report Date: 30-Nov-2012 13:18:33

Chrom Revision: 2.1 29-Nov-2012 15:29:30

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\PDA1\20121130-1606.b\320-0001606-010-1.d
Injection Date: 30-Nov-2012 12:40:00 Limit Group: LC 8330 Ngu ICAL
Client ID: Instrument ID: PDA1
Lims Batch ID: 6629 Lims Sample ID: 10
Operator ID: RN Injection Vol: 50.0 ul
Column Type: Synergi 4u Hydro-RP80A Column Dia: 4.00 mm

Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 320-6242/1-A
Matrix: Solid Lab File ID: 320-0001600-011-1.d
Analysis Method: 8330 Modified Date Collected: _____
Extraction Method: Sieve/Ultrasoni Date Extracted: 11/21/2012 14:38
Sample wt/vol: 2.00 (g) Date Analyzed: 11/29/2012 17:24
Con. Extract Vol.: 10.00 (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.: 6611 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\20121129-1600.b\320-0001600-011-1.d
Lims ID: MB 320-6242/1-A Client ID:
Inject. Date: 29-Nov-2012 17:24:00 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: 320-0001600-011 Analysis
Misc. Info.: none
Operator: RN Instrument ID: PDA1
Injection Vol: 50.0 ul ALS Bottle#: 0
Lims Batch ID: 6611 Lims Sample ID: 11
Detector: GC 320-0001600-011-1
Method: \\SACChrom\ChromData\PDA1\20121129-1600.b\NGu Primary.m
Last Update: 30-Nov-2012 07:39:50 Calib Date: 17-Oct-2012 10:41:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\PDA1\20121016-1075.b\HPNQL7_00003-1.d
Limit Group: LC 8330 Ngu ICAL
Integrator: Falcon
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm
Process Host: XAWRK002

First Level Reviewer: noonanr

Date: 30-Nov-2012 07:39:50

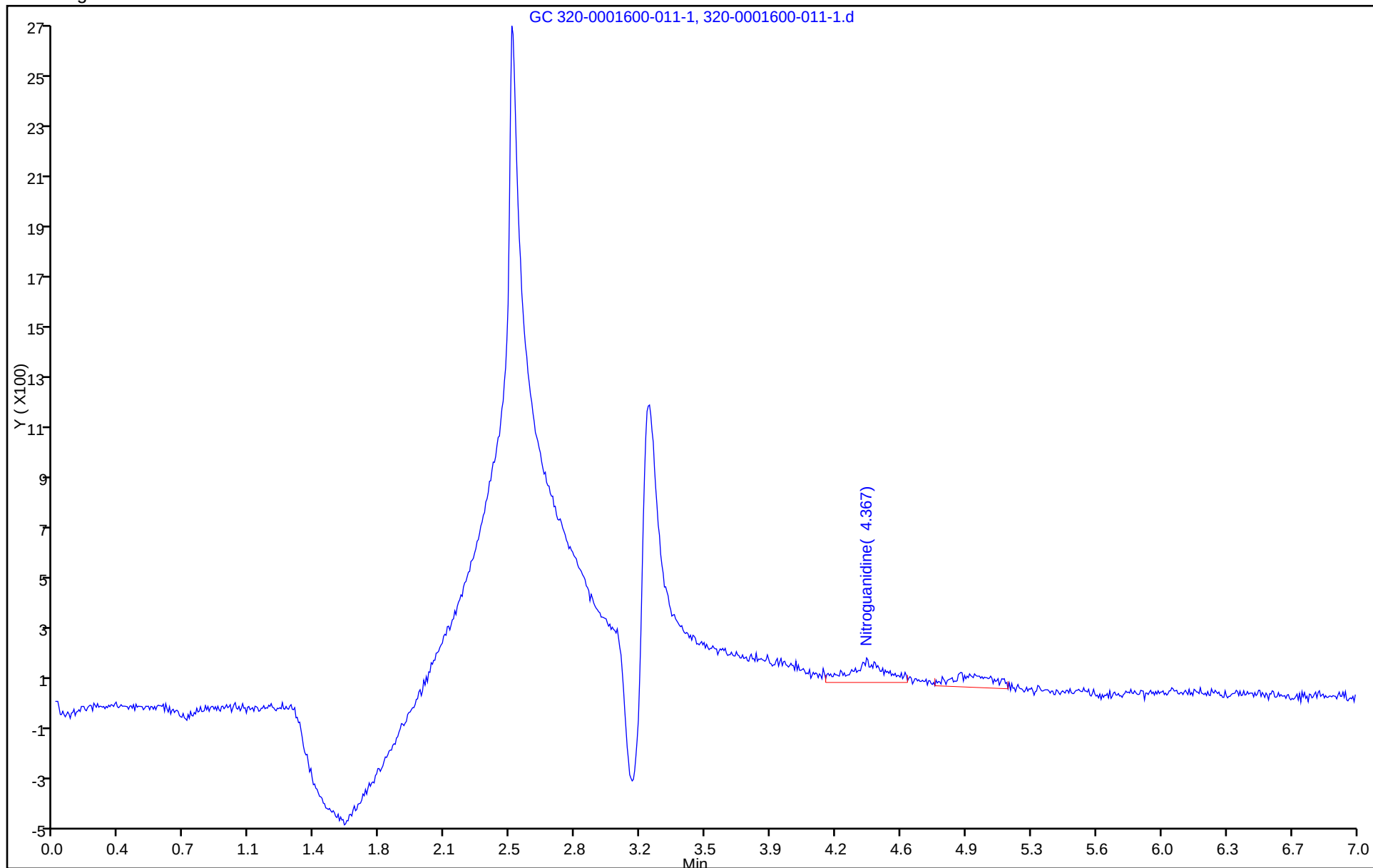
RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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1 Nitroguanidine
4.367 4.247 0.120 97 2.06

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\PDA1\20121129-1600.b\320-0001600-011-1.d
Injection Date: 29-Nov-2012 17:24:00 Limit Group: LC 8330 Ngu ICAL
Client ID: Instrument ID: PDA1
Lims Batch ID: 6611 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 I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 320-6242/1-A
Matrix: Solid Lab File ID: 320-0001606-005-1.d
Analysis Method: 8330 Modified Date Collected: _____
Extraction Method: Sieve/Ultrasoni Date Extracted: 11/21/2012 14:38
Sample wt/vol: 2.00(g) Date Analyzed: 11/30/2012 11:01
Con. Extract Vol.: 10.00(mL) Dilution Factor: 1
Injection Volume: 50(uL) GC Column: _____ ID: _____
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 6629 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\20121130-1606.b\320-0001606-005-1.d
Lims ID: MB 320-6242/1-A Client ID:
Inject. Date: 30-Nov-2012 11:01:00 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: 320-0001606-005 Analysis
Misc. Info.: none
Operator: RN Instrument ID: PDA1
Injection Vol: 50.0 ul ALS Bottle#: 0
Lims Batch ID: 6629 Lims Sample ID: 5
Detector: GC 320-0001606-005-1
Method: \\SACChrom\ChromData\PDA1\20121130-1606.b\NQ CONFIRMATION.m
Last Update: 30-Nov-2012 12:12:11 Calib Date: 19-Oct-2012 17:37:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\PDA1\20121019-1096.b\HPNQL7_00003001-1.d
Limit Group: LC 8330 Ngu ICAL
Integrator: Falcon
Column Type: Synergi 4u Hydro-RP80A Column Dia: 4.00 mm
Process Host: XAWRK002

First Level Reviewer: noonanr

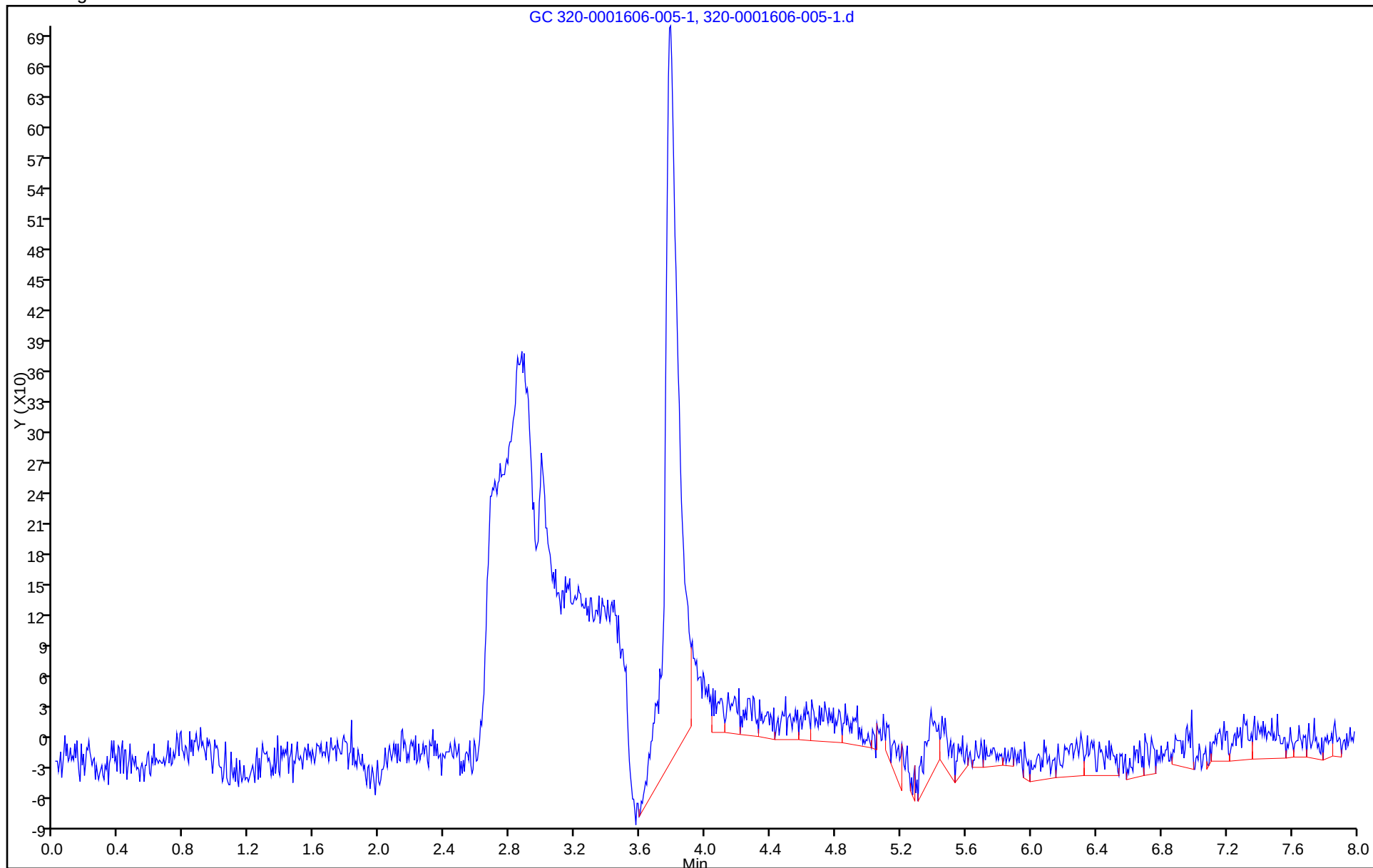
Date: 30-Nov-2012 12:12:22

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

Data File: \\SACChrom\ChromData\PDA1\20121130-1606.b\320-0001606-005-1.d
Injection Date: 30-Nov-2012 11:01:00 Limit Group: LC 8330 Ngu ICAL
Client ID: Instrument ID: PDA1
Lims Batch ID: 6629 Lims Sample ID: 5
Operator ID: RN Injection Vol: 50.0 ul
Column Type: Synergi 4u Hydro-RP80A Column Dia: 4.00 mm

Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: LCS 320-6242/2-A
Matrix: Solid Lab File ID: 320-0001600-012-1.d
Analysis Method: 8330 Modified Date Collected: _____
Extraction Method: Sieve/Ultrasoni Date Extracted: 11/21/2012 14:38
Sample wt/vol: 2.00(g) Date Analyzed: 11/29/2012 17:38
Con. Extract Vol.: 10.00(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.: 6611 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
556-88-7	Nitroguanidine	0.978		0.25	0.040	0.020

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\PDA1\20121129-1600.b\320-0001600-012-1.d
Lims ID: LCS 320-6242/2-A Client ID:
Inject. Date: 29-Nov-2012 17:38:00 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: 320-0001600-012 Analysis
Misc. Info.: none
Operator: RN Instrument ID: PDA1
Injection Vol: 50.0 ul ALS Bottle#: 0
Lims Batch ID: 6611 Lims Sample ID: 12
Detector: GC 320-0001600-012-1
Method: \\SACChrom\ChromData\PDA1\20121129-1600.b\NGu Primary.m
Last Update: 30-Nov-2012 07:40:20 Calib Date: 17-Oct-2012 10:41:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\PDA1\20121016-1075.b\HPNQL7_00003-1.d
Limit Group: LC 8330 Ngu ICAL
Integrator: Falcon
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm
Process Host: XAWRK002

First Level Reviewer: noonanr

Date: 30-Nov-2012 07:40:20

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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1 Nitroguanidine
4.220 4.247 -0.027 9218 195.6

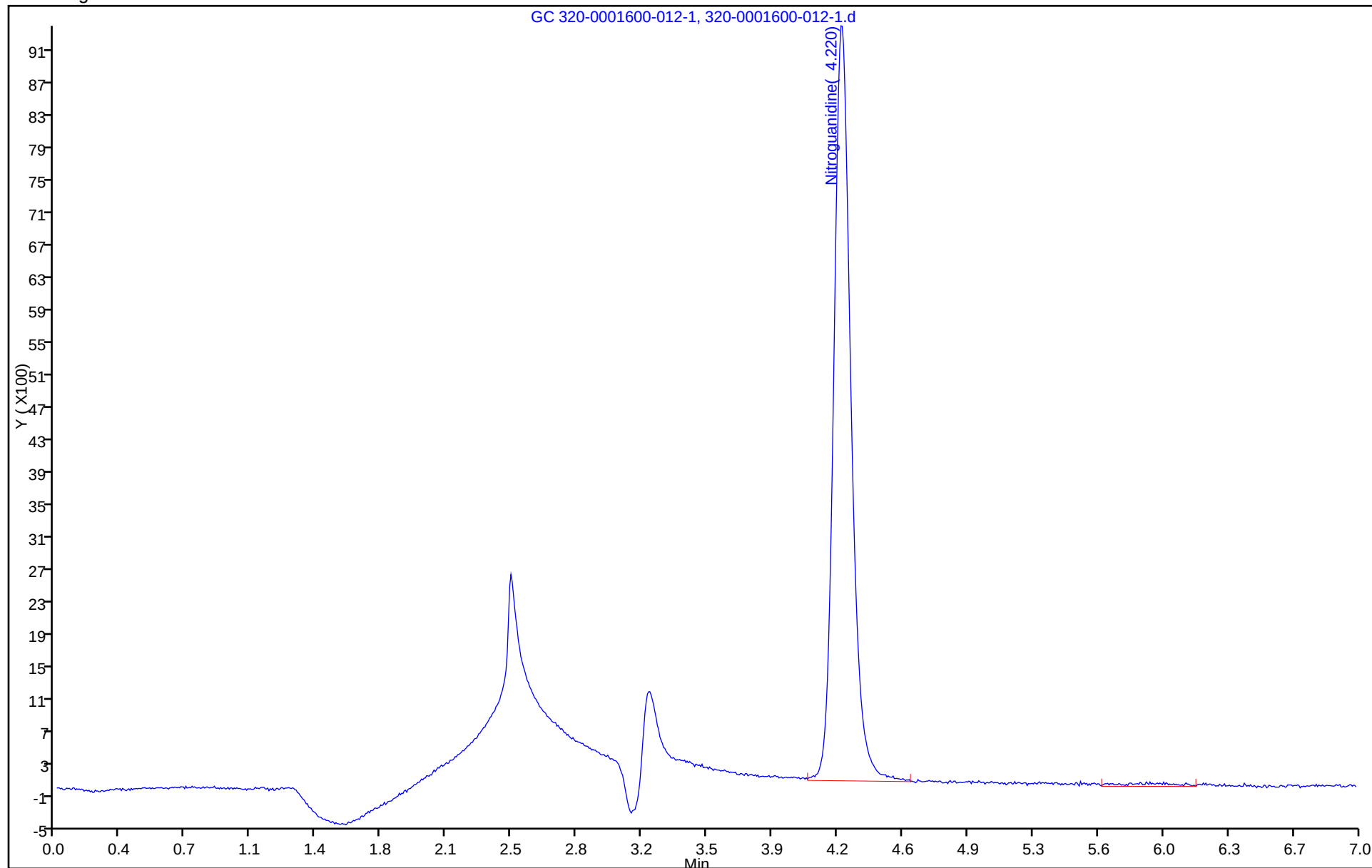
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Chrom Revision: 2.1 29-Nov-2012 15:29:30

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\PDA1\20121129-1600.b\320-0001600-012-1.d
Injection Date: 29-Nov-2012 17:38:00 Limit Group: LC 8330 Ngu ICAL
Client ID: Instrument ID: PDA1
Lims Batch ID: 6611 Lims Sample ID: 12
Operator ID: RN Injection Vol: 50.0 ul
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm

Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1
SDG No.: _____
Client Sample ID: 069SS-0001M-0001-S0 MS Lab Sample ID: 240-17525-1 MS
Matrix: Solid Lab File ID: 320-0001600-019-1.d
Analysis Method: 8330 Modified Date Collected: 11/11/2012 09:15
Extraction Method: Sieve/Ultrasoni Date Extracted: 11/21/2012 14:38
Sample wt/vol: 2.04(g) Date Analyzed: 11/29/2012 19:19
Con. Extract Vol.: 10.00(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.: 6611 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
556-88-7	Nitroguanidine	0.916		0.25	0.039	0.020

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\PDA1\20121129-1600.b\320-0001600-019-1.d
Lims ID: 240-17525-A-1-V MS Client ID: 069SS-0001M-0002-S0
Inject. Date: 29-Nov-2012 19:19:00 Dil. Factor: 1.0000
Sample Type: MS
Sample ID: 320-0001600-019 Analysis
Misc. Info.: none
Operator: RN Instrument ID: PDA1
Injection Vol: 50.0 ul ALS Bottle#: 0
Lims Batch ID: 6611 Lims Sample ID: 19
Detector: GC 320-0001600-019-1

Method: \\SACChrom\ChromData\PDA1\20121129-1600.b\NGu Primary.m
Last Update: 30-Nov-2012 07:44:07 Calib Date: 17-Oct-2012 10:41:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\PDA1\20121016-1075.b\HPNQL7_00003-1.d
Limit Group: LC 8330 Ngu ICAL
Integrator: Falcon
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm
Process Host: XAWRK002

First Level Reviewer: noonanr

Date: 30-Nov-2012 07:44:07

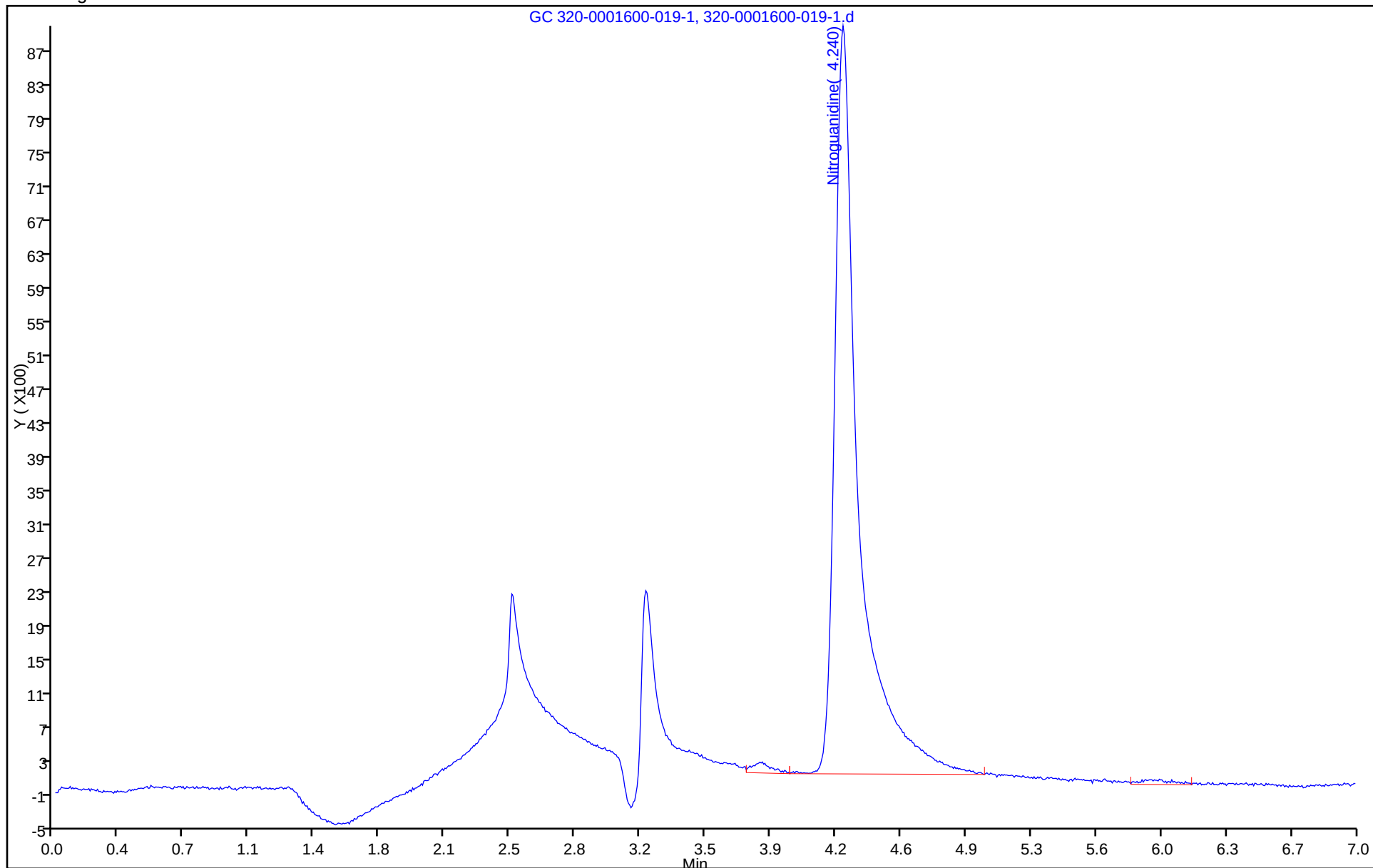
RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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1 Nitroguanidine
4.240 4.240 0.0 8804 186.8

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\PDA1\20121129-1600.b\320-0001600-019-1.d
Injection Date: 29-Nov-2012 19:19:00 Limit Group: LC 8330 Ngu ICAL
Client ID: 069SS-0001M-0002-S0 Instrument ID: PDA1
Lims Batch ID: 6611 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 West Sacramento Job No.: 240-17525-1
SDG No.: _____
Client Sample ID: 077SS-0001M-0001-SO MS Lab Sample ID: 240-17525-5 MS
Matrix: Solid Lab File ID: 320-0001600-023-1.d
Analysis Method: 8330 Modified Date Collected: 11/11/2012 10:45
Extraction Method: Sieve/Ultrasoni Date Extracted: 11/21/2012 14:38
Sample wt/vol: 2.04(g) Date Analyzed: 11/29/2012 20:16
Con. Extract Vol.: 10.00(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.: 6611 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
556-88-7	Nitroguanidine	0.821		0.25	0.039	0.020

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\PDA1\20121129-1600.b\320-0001600-023-1.d
Lims ID: 240-17525-A-5-U MS Client ID: 077SS-0001M-0002-SO
Inject. Date: 29-Nov-2012 20:16:00 Dil. Factor: 1.0000
Sample Type: MS
Sample ID: 320-0001600-023 Analysis
Misc. Info.: none
Operator: RN Instrument ID: PDA1
Injection Vol: 50.0 ul ALS Bottle#: 0
Lims Batch ID: 6611 Lims Sample ID: 23
Detector: GC 320-0001600-023-1
Method: \\SACChrom\ChromData\PDA1\20121129-1600.b\NGu Primary.m
Last Update: 30-Nov-2012 07:45:32 Calib Date: 17-Oct-2012 10:41:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\PDA1\20121016-1075.b\HPNQL7_00003-1.d
Limit Group: LC 8330 Ngu ICAL
Integrator: Falcon
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm
Process Host: XAWRK002

First Level Reviewer: noonanr

Date: 30-Nov-2012 07:45:32

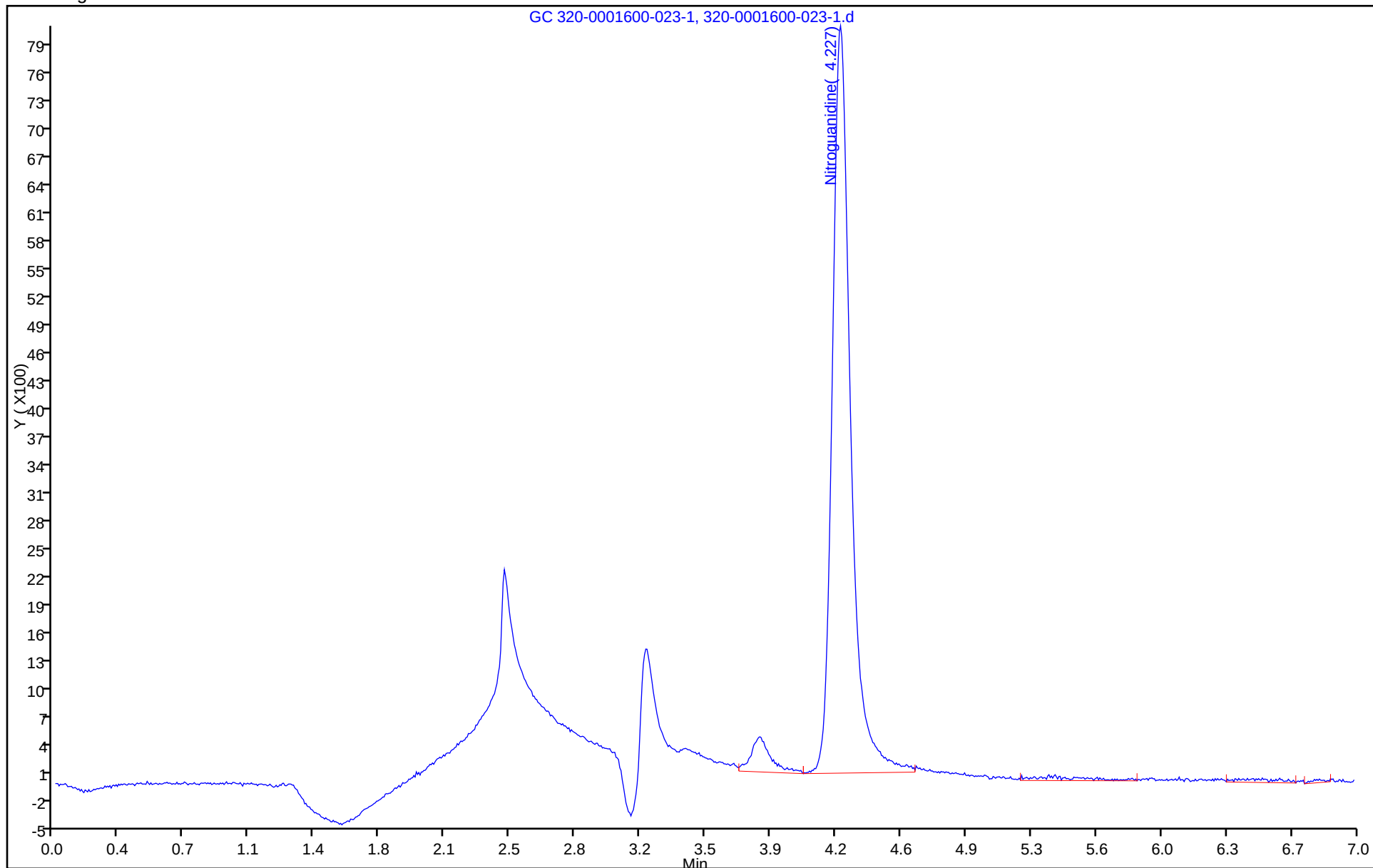
RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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1 Nitroguanidine
4.227 4.240 -0.013 7895 167.5

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\PDA1\20121129-1600.b\320-0001600-023-1.d
Injection Date: 29-Nov-2012 20:16:00 Limit Group: LC 8330 Ngu ICAL
Client ID: 077SS-0001M-0002-SO Instrument ID: PDA1
Lims Batch ID: 6611 Lims Sample ID: 23
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 West Sacramento Job No.: 240-17525-1
SDG No.: _____
Client Sample ID: 069SS-0001M-0001-S0 MSD Lab Sample ID: 240-17525-1 MSD
Matrix: Solid Lab File ID: 320-0001600-020-1.d
Analysis Method: 8330 Modified Date Collected: 11/11/2012 09:15
Extraction Method: Sieve/Ultrasoni Date Extracted: 11/21/2012 14:38
Sample wt/vol: 2.04(g) Date Analyzed: 11/29/2012 19:33
Con. Extract Vol.: 10.00(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.: 6611 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
556-88-7	Nitroguanidine	0.895		0.25	0.039	0.020

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\PDA1\20121129-1600.b\320-0001600-020-1.d
Lims ID: 240-17525-A-1-W MSD Client ID: 069SS-0001M-0002-S0
Inject. Date: 29-Nov-2012 19:33:00 Dil. Factor: 1.0000
Sample Type: MSD
Sample ID: 320-0001600-020 Analysis
Misc. Info.: none
Operator: RN Instrument ID: PDA1
Injection Vol: 50.0 ul ALS Bottle#: 0
Lims Batch ID: 6611 Lims Sample ID: 20
Detector: GC 320-0001600-020-1
Method: \\SACChrom\ChromData\PDA1\20121129-1600.b\NGu Primary.m
Last Update: 30-Nov-2012 07:44:25 Calib Date: 17-Oct-2012 10:41:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\PDA1\20121016-1075.b\HPNQL7_00003-1.d
Limit Group: LC 8330 Ngu ICAL
Integrator: Falcon
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm
Process Host: XAWRK002

First Level Reviewer: noonanr

Date: 30-Nov-2012 07:44:25

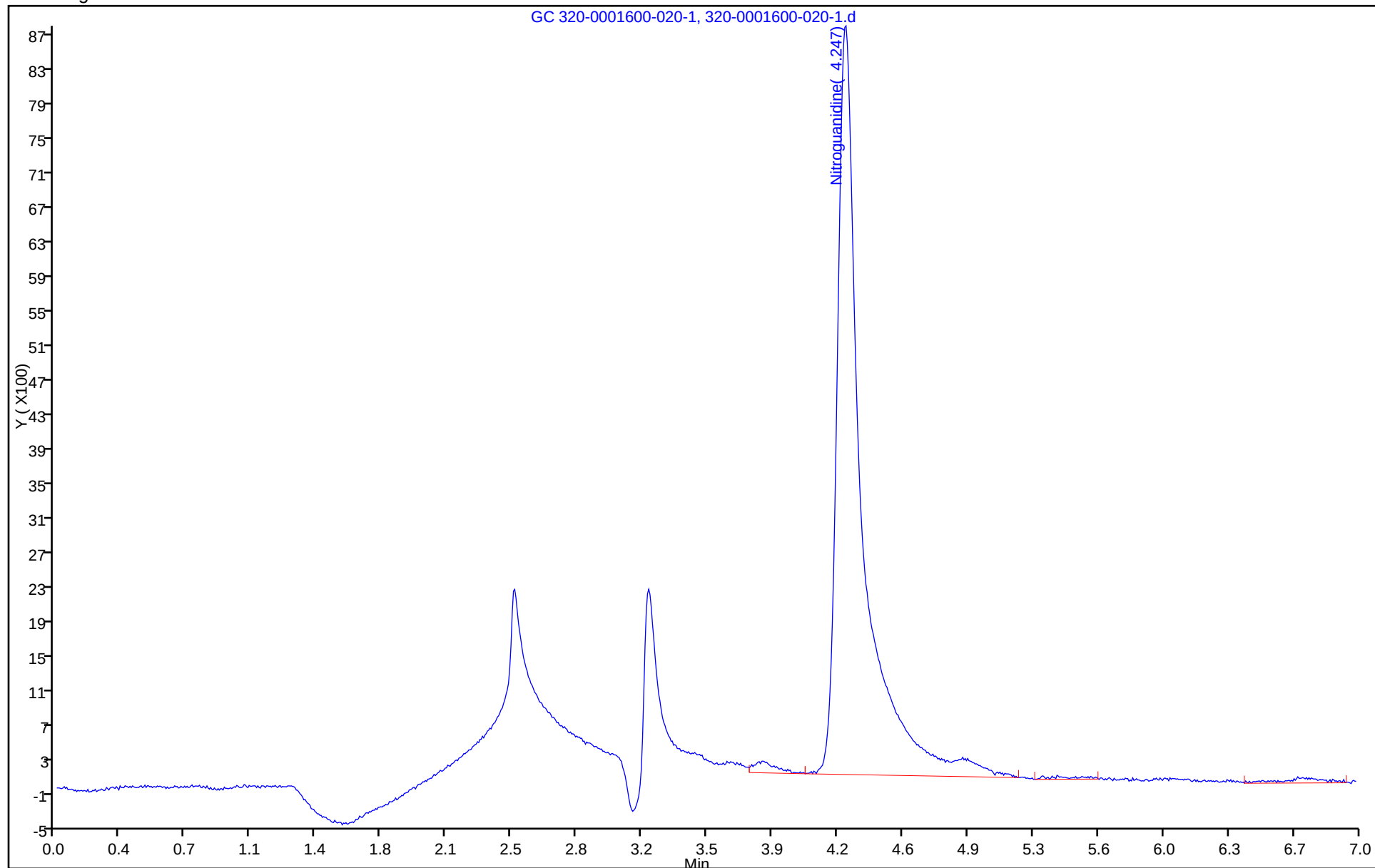
RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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1 Nitroguanidine
4.247 4.240 0.007 8603 182.6

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\PDA1\20121129-1600.b\320-0001600-020-1.d
Injection Date: 29-Nov-2012 19:33:00 Limit Group: LC 8330 Ngu ICAL
Client ID: 069SS-0001M-0002-S0 Instrument ID: PDA1
Lims Batch ID: 6611 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 West Sacramento Job No.: 240-17525-1
SDG No.: _____
Client Sample ID: 077SS-0001M-0001-SO MSD Lab Sample ID: 240-17525-5 MSD
Matrix: Solid Lab File ID: 320-0001600-024-1.d
Analysis Method: 8330 Modified Date Collected: 11/11/2012 10:45
Extraction Method: Sieve/Ultrasoni Date Extracted: 11/21/2012 14:38
Sample wt/vol: 2.10(g) Date Analyzed: 11/29/2012 20:30
Con. Extract Vol.: 10.00(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.: 6611 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
556-88-7	Nitroguanidine	0.805		0.24	0.038	0.019

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\PDA1\20121129-1600.b\320-0001600-024-1.d
Lims ID: 240-17525-A-5-V MSD Client ID: 077SS-0001M-0002-SO
Inject. Date: 29-Nov-2012 20:30:00 Dil. Factor: 1.0000
Sample Type: MSD
Sample ID: 320-0001600-024 Analysis
Misc. Info.: none
Operator: RN Instrument ID: PDA1
Injection Vol: 50.0 ul ALS Bottle#: 0
Lims Batch ID: 6611 Lims Sample ID: 24
Detector: GC 320-0001600-024-1

Method: \\SACChrom\ChromData\PDA1\20121129-1600.b\NGu Primary.m
Last Update: 30-Nov-2012 07:45:46 Calib Date: 17-Oct-2012 10:41:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\PDA1\20121016-1075.b\HPNQL7_00003-1.d
Limit Group: LC 8330 Ngu ICAL
Integrator: Falcon
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm
Process Host: XAWRK002

First Level Reviewer: noonanr

Date: 30-Nov-2012 07:45:46

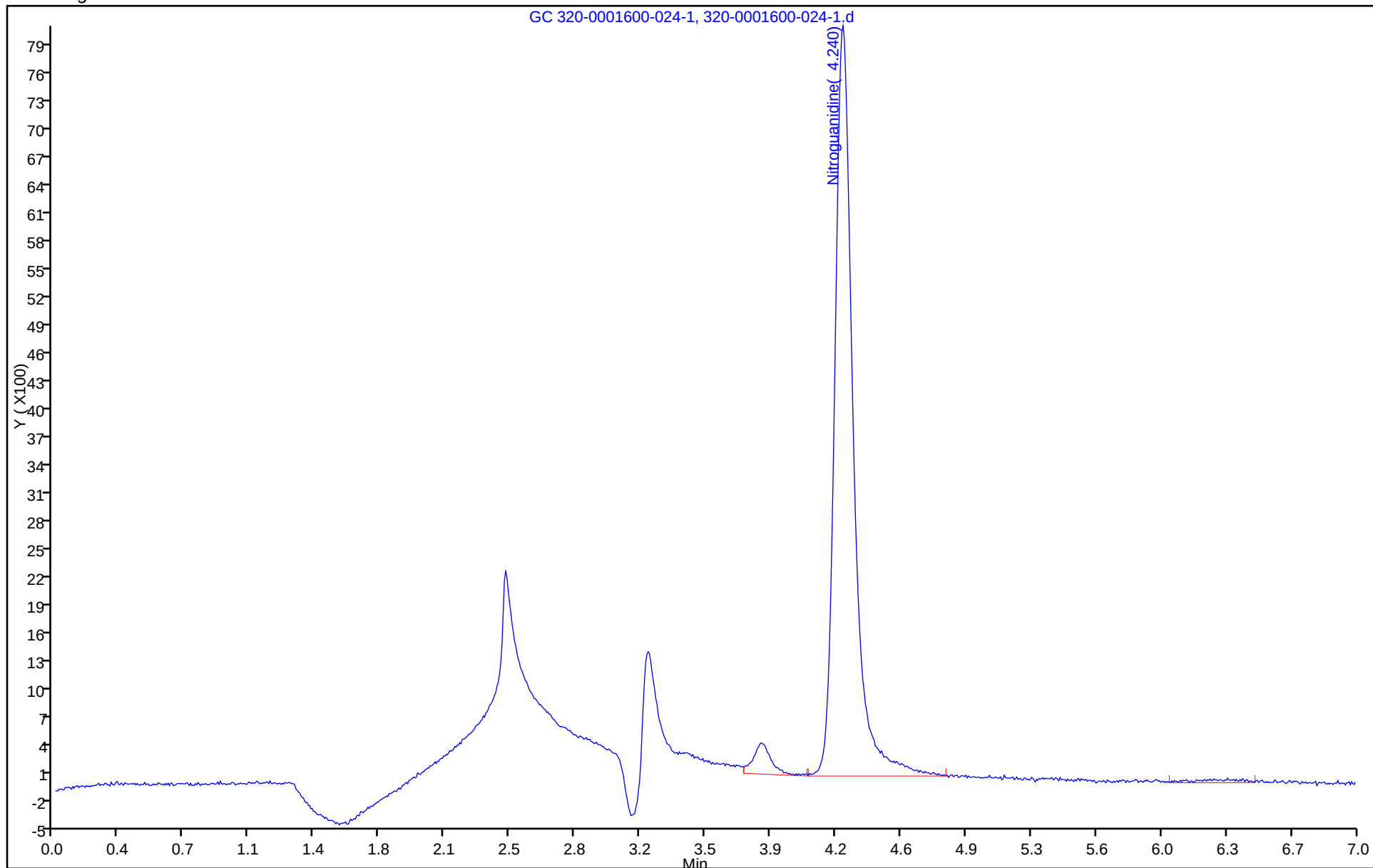
RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
----	-----------	-----------	----------	---------------------	-------

1 Nitroguanidine
4.240 4.240 0.0 7961 168.9

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\PDA1\20121129-1600.b\320-0001600-024-1.d
Injection Date: 29-Nov-2012 20:30:00 Limit Group: LC 8330 Ngu ICAL
Client ID: 077SS-0001M-0002-SO Instrument ID: PDA1
Lims Batch ID: 6611 Lims Sample ID: 24
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 West Sacramento Job No.: 240-17525-1

SDG No.: _____

Instrument ID: PDA1 Start Date: 10/17/2012 09:15Analysis Batch Number: 4663 End Date: 10/17/2012 11:38

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
EB 320-4663/3 ICB		10/17/2012 09:15	1		Luna NH2 4.6 (mm)
STD02 320-4663/4 IC		10/17/2012 09:29	1	HPNQL2_00003-1. d	Luna NH2 4.6 (mm)
STD03 320-4663/5 IC		10/17/2012 09:44	1	HPNQL3_00003-1. d	Luna NH2 4.6 (mm)
STD04 320-4663/6 IC		10/17/2012 09:58	1	HPNQL4_00003-1. d	Luna NH2 4.6 (mm)
STD05 320-4663/7 IC		10/17/2012 10:12	1	HPNQL5_00003-1. d	Luna NH2 4.6 (mm)
STD06 320-4663/8 IC		10/17/2012 10:27	1	HPNQL6_00003-1. d	Luna NH2 4.6 (mm)
STD07 320-4663/9 IC		10/17/2012 10:41	1	HPNQL7_00003-1. d	Luna NH2 4.6 (mm)
EB 320-4663/10 CCB		10/17/2012 10:55	1		
ICV 320-4663/11		10/17/2012 11:10	1	HPNQIC_00002;00 1-1.d	Luna NH2 4.6 (mm)
LODV 320-4663/12		10/17/2012 11:24	1	HPNQ2XM_00002-1 .d	Luna NH2 4.6 (mm)
CCVL 320-4663/13		10/17/2012 11:38	1		Luna NH2 4.6 (mm)

HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1

SDG No.: _____

Instrument ID: PDA1 Start Date: 10/19/2012 14:58Analysis Batch Number: 4779 End Date: 10/19/2012 18:56

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		10/19/2012 14:58	1		Hydro RP80A 4 4 (mm)
ZZZZZ		10/19/2012 15:18	1		Hydro RP80A 4 4 (mm)
EB 320-4779/3 ICB		10/19/2012 15:38	1		Hydro RP80A 4 4 (mm)
STD02 320-4779/4 IC		10/19/2012 15:58	1	HPNQL2_00003002 -1.d	Hydro RP80A 4 4 (mm)
STD03 320-4779/5 IC		10/19/2012 16:18	1	HPNQL3_00003001 -1.d	Hydro RP80A 4 4 (mm)
STD04 320-4779/6 IC		10/19/2012 16:37	1	HPNQL4_00003001 -1.d	Hydro RP80A 4 4 (mm)
STD05 320-4779/7 IC		10/19/2012 16:57	1	HPNQL5_00003001 -1.d	Hydro RP80A 4 4 (mm)
STD06 320-4779/8 IC		10/19/2012 17:17	1	HPNQL6_00003001 -1.d	Hydro RP80A 4 4 (mm)
STD07 320-4779/9 IC		10/19/2012 17:37	1	HPNQL7_00003001 -1.d	Hydro RP80A 4 4 (mm)
EB 320-4779/10 CCB		10/19/2012 17:57	1		Hydro RP80A 4 4 (mm)
ICV 320-4779/11		10/19/2012 18:17	1	HPNQIC_00002;00 2-1.d	Hydro RP80A 4 4 (mm)
LODV 320-4779/12		10/19/2012 18:36	1	HPNQ2XM_0000200 1-1.d	Hydro RP80A 4 4 (mm)
CCVL 320-4779/13		10/19/2012 18:56	1		Hydro RP80A 4 4 (mm)

HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica West SacramentoJob No.: 240-17525-1

SDG No.: _____

Instrument ID: PDA1Start Date: 11/29/2012 15:29Analysis Batch Number: 6611End Date: 11/29/2012 21:13

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCVL 320-6611/3		11/29/2012 15:29	1	320-0001600-003 -1.d	Luna NH2 4.6 (mm)
CCV 320-6611/4		11/29/2012 15:44	1	320-0001600-004 -1.d	Luna NH2 4.6 (mm)
ZZZZZ		11/29/2012 15:58	1		Luna NH2 4.6 (mm)
ZZZZZ		11/29/2012 16:12	1		Luna NH2 4.6 (mm)
ZZZZZ		11/29/2012 16:27	1		Luna NH2 4.6 (mm)
ZZZZZ		11/29/2012 16:41	1		Luna NH2 4.6 (mm)
ZZZZZ		11/29/2012 16:55	1		Luna NH2 4.6 (mm)
ZZZZZ		11/29/2012 17:10	1		Luna NH2 4.6 (mm)
MB 320-6242/1-A		11/29/2012 17:24	1	320-0001600-011 -1.d	Luna NH2 4.6 (mm)
LCS 320-6242/2-A		11/29/2012 17:38	1	320-0001600-012 -1.d	Luna NH2 4.6 (mm)
ZZZZZ		11/29/2012 17:53	1		Luna NH2 4.6 (mm)
ZZZZZ		11/29/2012 18:07	1		Luna NH2 4.6 (mm)
CCV 320-6611/15		11/29/2012 18:21	1	320-0001600-015 -1.d	Luna NH2 4.6 (mm)
ZZZZZ		11/29/2012 18:36	1		Luna NH2 4.6 (mm)
ZZZZZ		11/29/2012 18:50	1		Luna NH2 4.6 (mm)
240-17525-1	069SS-0001M-0001-S0	11/29/2012 19:04	1	320-0001600-018 -1.d	Luna NH2 4.6 (mm)
240-17525-1 MS	069SS-0001M-0001-S0 MS	11/29/2012 19:19	1	320-0001600-019 -1.d	Luna NH2 4.6 (mm)
240-17525-1 MSD	069SS-0001M-0001-S0 MSD	11/29/2012 19:33	1	320-0001600-020 -1.d	Luna NH2 4.6 (mm)
240-17525-2	069SS-0002M-0001-S0	11/29/2012 19:47	1	320-0001600-021 -1.d	Luna NH2 4.6 (mm)
240-17525-5	077SS-0001M-0001-S0	11/29/2012 20:02	1	320-0001600-022 -1.d	Luna NH2 4.6 (mm)
240-17525-5 MS	077SS-0001M-0001-S0 MS	11/29/2012 20:16	1	320-0001600-023 -1.d	Luna NH2 4.6 (mm)
240-17525-5 MSD	077SS-0001M-0001-S0 MSD	11/29/2012 20:30	1	320-0001600-024 -1.d	Luna NH2 4.6 (mm)
240-17525-6	077SS-0002M-0001-S0	11/29/2012 20:45	1	320-0001600-025 -1.d	Luna NH2 4.6 (mm)
CCVL 320-6611/26		11/29/2012 20:59	1	320-0001600-026 -1.d	Luna NH2 4.6 (mm)
CCV 320-6611/27		11/29/2012 21:13	1	320-0001600-027 -1.d	Luna NH2 4.6 (mm)

HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1

SDG No.: _____

Instrument ID: PDA1 Start Date: 11/30/2012 10:22Analysis Batch Number: 6629 End Date: 11/30/2012 12:40

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCVL 320-6629/3		11/30/2012 10:22	1	320-0001606-003 -1.d	Hydro RP80A 4 4 (mm)
CCV 320-6629/4		11/30/2012 10:42	1	320-0001606-004 -1.d	Hydro RP80A 4 4 (mm)
MB 320-6242/1-A		11/30/2012 11:01	1	320-0001606-005 -1.d	Hydro RP80A 4 4 (mm)
240-17525-1	069SS-0001M-0001-S0	11/30/2012 11:21	1	320-0001606-006 -1.d	Hydro RP80A 4 4 (mm)
240-17525-2	069SS-0002M-0001-SO	11/30/2012 11:41	1	320-0001606-007 -1.d	Hydro RP80A 4 4 (mm)
240-17525-6	077SS-0002M-0001-SO	11/30/2012 12:01	1	320-0001606-008 -1.d	Hydro RP80A 4 4 (mm)
CCV 320-6629/9		11/30/2012 12:21	1	320-0001606-009 -1.d	Hydro RP80A 4 4 (mm)
CCVL 320-6629/10		11/30/2012 12:40	1	320-0001606-010 -1.d	Hydro RP80A 4 4 (mm)

HPLC/IC BATCH WORKSHEET

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1

SDG No.: _____

Batch Number: 6242 Batch Start Date: 11/21/12 14:38 Batch Analyst: Reed, Jonathan EBatch Method: Sieve/Ultrasoni Batch End Date: 11/26/12 16:05

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	HPNQSP 00006			
MB 320-6242/1		Sieve/Ultrasoni, 8330 Modified		2.00 g	10.00 mL				
LCS 320-6242/2		Sieve/Ultrasoni, 8330 Modified		2.00 g	10.00 mL	40 uL			
240-17525-O-1	069SS-0001M-0001-SO	Sieve/Ultrasoni, 8330 Modified	T	2.05 g	10.00 mL				
240-17525-A-1 MS	069SS-0001M-0001-SO	Sieve/Ultrasoni, 8330 Modified	T	2.04 g	10.00 mL	40 uL			
240-17525-A-1 MSD	069SS-0001M-0001-SO	Sieve/Ultrasoni, 8330 Modified	T	2.04 g	10.00 mL	40 uL			
240-17525-F-2	069SS-0002M-0001-SO	Sieve/Ultrasoni, 8330 Modified	T	2.11 g	10.00 mL				
240-17525-P-5	077SS-0001M-0001-SO	Sieve/Ultrasoni, 8330 Modified	T	1.98 g	10.00 mL				
240-17525-A-5 MS	077SS-0001M-0001-SO	Sieve/Ultrasoni, 8330 Modified	T	2.04 g	10.00 mL	40 uL			
240-17525-A-5 MSD	077SS-0001M-0001-SO	Sieve/Ultrasoni, 8330 Modified	T	2.10 g	10.00 mL	40 uL			
240-17525-F-6	077SS-0002M-0001-SO	Sieve/Ultrasoni, 8330 Modified	T	2.07 g	10.00 mL				

HPLC/IC BATCH WORKSHEET

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1

SDG No.: _____

Batch Number: 6242 Batch Start Date: 11/21/12 14:38 Batch Analyst: Reed, Jonathan EBatch Method: Sieve/Ultrasoni Batch End Date: 11/26/12 16:05

Batch Notes	
Balance ID	QA-070
Calcium Chloride Reagent ID	CaCl2_00003
Date of Clean up	11-26-12
Analyst performed Clean Up	HA
Filter Lot #	R2DA02309
Filter Type	.45 FILTER MILLIPORE
Person's name who witnessed reagent drop	ANIL MANTRI
Blank Sand Lot #	FISHER 120571
Sonication End Date	11-22-12
Sonication Start Date	11-21-12
Sonication Start Time	20:10
Sonication Stop Time	14:10
SOP Number	WS-LC-0010
Maximum Temperature	35 Degrees C
Minimum Temperature	0 Degrees C

Basis	Basis Description
T	Total/NA

Method 8330B

Nitroaromatics and Nitramines (HPLC)
by Method 8330B

FORM II
HPLC/IC SURROGATE RECOVERY

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1
 SDG No.: _____
 Matrix: Solid Level: Low
 GC Column (1): Synergi C18 ID: 4.6 (mm) GC Column (2): Zorbax CN 4.6 (mm)

Client Sample ID	Lab Sample ID	DNT1 #	DNT2 #
069SS-0001M-0001-S O	240-17525-1	94	
069SS-0001M-0001-S O	240-17525-1		121 M Q
069SS-0002M-0001-S O	240-17525-2	93	
069SS-0002M-0001-S O	240-17525-2		114
077SS-0001M-0001-S O	240-17525-5	95	
077SS-0002M-0001-S O	240-17525-6	91	
077SS-0002M-0001-S O	240-17525-6		108 M
	MB 320-6245/1-A	94	
	MB 320-6245/1-A		87
	LCS 320-6245/2-A	96	
069SS-0001M-0001-S O MS	240-17525-1 MS	96	
077SS-0001M-0001-S O MS	240-17525-5 MS	95	
069SS-0001M-0001-S O MSD	240-17525-1 MSD	105	
077SS-0001M-0001-S O MSD	240-17525-5 MSD	97	

DNT = 3,4-Dinitrotoluene

QC LIMITS
78-118

Column to be used to flag recovery values

FORM II 8330B

FORM III
HPLC/IC LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: ZD000039.D
 Lab ID: LCS 320-6245/2-A Client ID: _____

COMPOUND	SPIKE ADDED (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC	QC LIMITS REC	#
2-Amino-4,6-dinitrotoluene	0.500	0.495	99	79-119	
4-Amino-2,6-dinitrotoluene	0.500	0.512	102	81-121	
1,3-Dinitrobenzene	0.500	0.508	102	81-121	
2,4-Dinitrotoluene	0.500	0.498	100	79-119	
2,6-Dinitrotoluene	0.500	0.486	97	79-119	
HMX	0.500	0.507	101	80-120	
Nitrobenzene	0.500	0.499	100	80-120	
Nitroglycerin	1.00	0.968	97	76-116	
2-Nitrotoluene	0.500	0.465	93	78-118	
3-Nitrotoluene	0.500	0.478	96	77-117	
4-Nitrotoluene	0.500	0.472	94	78-118	
PETN	1.00	0.948	95	76-116	
RDX	0.500	0.497	99	82-122	
Tetryl	0.500	0.417	83	63-120	
1,3,5-Trinitrobenzene	0.500	0.510	102	81-121	
2,4,6-Trinitrotoluene	0.500	0.417	83	65-105	

Column to be used to flag recovery and RPD values

FORM III
HPLC/IC MATRIX SPIKE RECOVERY

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: ZD000045.D
 Lab ID: 240-17525-1 MS Client ID: 069SS-0001M-0001-S0 MS

COMPOUND	SPIKE ADDED (mg/Kg)	SAMPLE CONCENTRATION (mg/Kg)	MS CONCENTRATION (mg/Kg)	MS % REC	QC LIMITS REC	#
2-Amino-4,6-dinitrotoluene	0.502	0.050 U	0.487	97	79-119	
4-Amino-2,6-dinitrotoluene	0.502	0.050 U	0.500	100	81-121	
1,3-Dinitrobenzene	0.502	0.050 U	0.507	101	81-121	
2,4-Dinitrotoluene	0.502	0.050 U	0.492	98	79-119	
2,6-Dinitrotoluene	0.502	0.012 J	0.483	94	79-119	
HMX	0.502	0.050 U	0.492	98	80-120	
Nitrobenzene	0.502	0.050 U	0.497	99	80-120	
Nitroglycerin	1.00	0.099 J	0.964	86	76-116	
2-Nitrotoluene	0.502	0.017 J	0.475	91	78-118	
3-Nitrotoluene	0.502	0.026 J	0.468	88	77-117	M
4-Nitrotoluene	0.502	0.050 U	0.474	95	78-118	
PETN	1.00	0.25 U	0.945	94	76-116	
RDX	0.502	0.050 U	0.463	92	82-122	
Tetryl	0.502	0.050 U	0.405	81	63-120	
1,3,5-Trinitrobenzene	0.502	0.050 U	0.508	101	81-121	
2,4,6-Trinitrotoluene	0.502	0.050 U	0.412	82	65-105	

Column to be used to flag recovery and RPD values

FORM III
HPLC/IC MATRIX SPIKE RECOVERY

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: ZD000050.D
 Lab ID: 240-17525-5 MS Client ID: 077SS-0001M-0001-SO MS

COMPOUND	SPIKE ADDED (mg/Kg)	SAMPLE CONCENTRATION (mg/Kg)	MS CONCENTRATION (mg/Kg)	MS % REC	QC LIMITS REC	#
2-Amino-4,6-dinitrotoluene	0.492	0.050 U	0.476	97	79-119	
4-Amino-2,6-dinitrotoluene	0.492	0.050 U	0.486	99	81-121	
1,3-Dinitrobenzene	0.492	0.050 U	0.498	101	81-121	
2,4-Dinitrotoluene	0.492	0.050 U	0.486	99	79-119	
2,6-Dinitrotoluene	0.492	0.050 U	0.485	99	79-119	
HMX	0.492	0.050 U	0.480	97	80-120	
Nitrobenzene	0.492	0.050 U	0.493	100	80-120	
Nitroglycerin	0.984	0.25 U	0.923	94	76-116	
2-Nitrotoluene	0.492	0.050 U	0.456	93	78-118	
3-Nitrotoluene	0.492	0.050 U	0.463	94	77-117	
4-Nitrotoluene	0.492	0.050 U	0.472	96	78-118	
PETN	0.984	0.25 U	0.958	97	76-116	
RDX	0.492	0.050 U	0.476	97	82-122	
Tetryl	0.492	0.050 U	0.378	77	63-120	
1,3,5-Trinitrobenzene	0.492	0.050 U	0.484	98	81-121	
2,4,6-Trinitrotoluene	0.492	0.050 U	0.400	81	65-105	

Column to be used to flag recovery and RPD values

FORM III
HPLC/IC MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: ZD000046.D
 Lab ID: 240-17525-1 MSD Client ID: 069SS-0001M-0001-S0 MSD

COMPOUND	SPIKE ADDED (mg/Kg)	MSD CONCENTRATION (mg/Kg)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
2-Amino-4,6-dinitrotoluene	0.494	0.531	108	9	20	79-119	
4-Amino-2,6-dinitrotoluene	0.494	0.549	111	9	20	81-121	
1,3-Dinitrobenzene	0.494	0.556	113	9	20	81-121	
2,4-Dinitrotoluene	0.494	0.529	107	7	20	79-119	
2,6-Dinitrotoluene	0.494	0.535	106	10	20	79-119	
HMX	0.494	0.524	106	6	20	80-120	
Nitrobenzene	0.494	0.512	104	3	20	80-120	
Nitroglycerin	0.987	1.05	96	8	20	76-116	
2-Nitrotoluene	0.494	0.464	91	2	20	78-118	
3-Nitrotoluene	0.494	0.480	92	2	20	77-117	
4-Nitrotoluene	0.494	0.480	97	1	20	78-118	
PETN	0.987	0.947	96	0	20	76-116	
RDX	0.494	0.503	102	8	20	82-122	
Tetryl	0.494	0.443	90	9	20	63-120	
1,3,5-Trinitrobenzene	0.494	0.546	111	7	20	81-121	
2,4,6-Trinitrotoluene	0.494	0.442	90	7	20	65-105	

Column to be used to flag recovery and RPD values

FORM III
HPLC/IC MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: ZD000051.D
 Lab ID: 240-17525-5 MSD Client ID: 077SS-0001M-0001-SO MSD

COMPOUND	SPIKE ADDED (mg/Kg)	MSD CONCENTRATION (mg/Kg)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
2-Amino-4,6-dinitrotoluene	0.497	0.491	99	3	20	79-119	
4-Amino-2,6-dinitrotoluene	0.497	0.509	102	5	20	81-121	
1,3-Dinitrobenzene	0.497	0.507	102	2	20	81-121	
2,4-Dinitrotoluene	0.497	0.500	101	3	20	79-119	
2,6-Dinitrotoluene	0.497	0.491	99	1	20	79-119	
HMX	0.497	0.497	100	4	20	80-120	
Nitrobenzene	0.497	0.509	102	3	20	80-120	
Nitroglycerin	0.993	0.973	98	5	20	76-116	
2-Nitrotoluene	0.497	0.466	94	2	20	78-118	
3-Nitrotoluene	0.497	0.475	96	3	20	77-117	
4-Nitrotoluene	0.497	0.470	95	0	20	78-118	
PETN	0.993	0.954	96	0	20	76-116	
RDX	0.497	0.502	101	5	20	82-122	
Tetryl	0.497	0.382	77	1	20	63-120	
1,3,5-Trinitrobenzene	0.497	0.497	100	3	20	81-121	
2,4,6-Trinitrotoluene	0.497	0.416	84	4	20	65-105	

Column to be used to flag recovery and RPD values

FORM IV
HPLC/IC METHOD BLANK SUMMARY

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1
 SDG No.: _____
 Lab Sample ID: MB 320-6245/1-A
 Matrix: Solid Date Extracted: 11/21/2012 15:09
 Lab File ID: (1) ZD000038.D Lab File ID: (2) D000009.D
 Date Analyzed: (1) 12/01/2012 11:13 Date Analyzed: (2) 12/04/2012 20:13
 Instrument ID: (1) LC10 Instrument ID: (2) LC12
 GC Column: (1) Synergi C18 ID: 4.6 (mm) GC Column: (2) Zorbax CN ID: 4.6 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
	LCS 320-6245/2-A	12/01/2012 11:53	
069SS-0001M-0001-S0	240-17525-1	12/01/2012 15:14	12/04/2012 21:18
069SS-0001M-0001-S0 MS	240-17525-1 MS	12/01/2012 15:54	
069SS-0001M-0001-S0 MSD	240-17525-1 MSD	12/01/2012 16:34	
069SS-0002M-0001-S0	240-17525-2	12/01/2012 17:14	12/04/2012 22:24
077SS-0001M-0001-S0	240-17525-5	12/01/2012 18:35	
077SS-0001M-0001-S0 MS	240-17525-5 MS	12/01/2012 19:15	
077SS-0001M-0001-S0 MSD	240-17525-5 MSD	12/01/2012 19:55	
077SS-0002M-0001-S0	240-17525-6	12/01/2012 20:35	12/04/2012 23:29

FORM VIII
HPLC/IC ANALYTICAL SEQUENCE

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1
 SDG No.: _____
 Sample No.: STD05 320-6640/37 Date Analyzed: 12/01/2012 10:32
 Instrument ID: LC10 GC Column: Synergi C18 ID: 4.6 (mm)
 Lab File ID (Standard): ZD000037.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				16.70		
UPPER LIMIT				16.90		
LOWER LIMIT				16.50		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
STD05 320-6640/37 CCVRT		12/01/2012 10:32	ZD000037.D	16.70		
MB 320-6245/1-A		12/01/2012 11:13	ZD000038.D	16.71		
LCS 320-6245/2-A		12/01/2012 11:53	ZD000039.D	16.70		
240-17525-1	069SS-0001M-0001-S0	12/01/2012 15:14	ZD000044.D	16.70		
240-17525-1 MS	069SS-0001M-0001-S0 MS	12/01/2012 15:54	ZD000045.D	16.74		
240-17525-1 MSD	069SS-0001M-0001-S0 MSD	12/01/2012 16:34	ZD000046.D	16.74		
240-17525-2	069SS-0002M-0001-S0	12/01/2012 17:14	ZD000047.D	16.73		

DNT = 3,4-Dinitrotoluene

DNT RT Limit = ± 0.2 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8330B

FORM VIII
HPLC/IC ANALYTICAL SEQUENCE

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1
 SDG No.: _____
 Sample No.: STD05 320-6640/48 Date Analyzed: 12/01/2012 17:54
 Instrument ID: LC10 GC Column: Synergi C18 ID: 4.6 (mm)
 Lab File ID (Standard): ZD000048.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			
STD05 320-6640/48 CCVRT		12/01/2012 17:54	ZD000048.D	16.69		
240-17525-5	077SS-0001M-0001-SO	12/01/2012 18:35	ZD000049.D	16.66		
240-17525-5 MS	077SS-0001M-0001-SO MS	12/01/2012 19:15	ZD000050.D	16.68		
240-17525-5 MSD	077SS-0001M-0001-SO MSD	12/01/2012 19:55	ZD000051.D	16.70		
240-17525-6	077SS-0002M-0001-SO	12/01/2012 20:35	ZD000052.D	16.72		

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 West Sacramento Job No.: 240-17525-1
SDG No.: _____
Sample No.: STD05 320-6640/59 Date Analyzed: 12/02/2012 01:17
Instrument ID: LC10 GC Column: Synergi C18 ID: 4.6 (mm)
Lab File ID (Standard): ZD000059.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				16.72		
UPPER LIMIT				16.92		
LOWER LIMIT				16.52		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
STD05 320-6640/59 CCVRT		12/02/2012 01:17	ZD000059.D	16.72		
CCVL 320-6640/61		12/02/2012 08:40	ZD000070.D	16.64		

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 West Sacramento Job No.: 240-17525-1
 SDG No.: _____
 Sample No.: STD5 320-6840/4 Date Analyzed: 12/04/2012 15:51
 Instrument ID: LC12 GC Column: Zorbax CN ID: 4.6 (mm)
 Lab File ID (Standard): D000005.D Heated Purge: (Y/N) N
 Calibration ID: 1330

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSS IS GIVEN BELOW:

				DNT		
				RT #		
CONTINUING CALIBRATION SURROGATE				36.47		
UPPER LIMIT				36.67		
LOWER LIMIT				36.27		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
STD5 320-6840/4 CCVRT		12/04/2012 15:51	D000005.D	36.47		
MB 320-6245/1-A		12/04/2012 20:13	D000009.D	36.43		
240-17525-1	069SS-0001M-0001-SO	12/04/2012 21:18	D000010.D	36.34		
240-17525-2	069SS-0002M-0001-SO	12/04/2012 22:24	D000011.D	36.49		
240-17525-6	077SS-0002M-0001-SO	12/04/2012 23:29	D000012.D	36.50		
CCVL 320-6840/13		12/05/2012 01:40	D000014.D	36.56		

DNT = 3,4-Dinitrotoluene

DNT RT Limit = ± 0.2 minutes of surrogate RT

Column used to flag values outside QC limits

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1
SDG No.: _____
Client Sample ID: 069SS-0002M-0001-SO Lab Sample ID: 240-17525-2
Instrument ID (1): LC10 Instrument ID (2): LC12
Date Analyzed (1): 12/01/2012 17:14 Date Analyzed (2): 12/04/2012 22:24
GC Column (1): Synergi C18 ID: 4.6(mm) GC Column (2): Zorbax CN ID: 4.6(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
Tetryl	1		13.58	13.39	13.89	0.073		136.6
	2		45.29	44.99	45.49	0.014		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1
 SDG No.: _____
 Client Sample ID: 077SS-0002M-0001-SO Lab Sample ID: 240-17525-6
 Instrument ID (1): LC10 Instrument ID (2): LC12
 Date Analyzed (1): 12/01/2012 20:35 Date Analyzed (2): 12/04/2012 23:29
 GC Column (1): Synergi C18 ID: 4.6(mm) GC Column (2): Zorbax CN ID: 4.6(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
Tetryl	1		13.53	13.39	13.89	0.028		63.6
	2		45.30	44.99	45.49	0.014		
Nitroglycerin	1		14.90	14.61	15.11	0.083		25.7
	2		43.25	43.04	43.54	0.11		

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1
 SDG No.: _____
 Client Sample ID: 069SS-0001M-0001-S0 Lab Sample ID: 240-17525-1
 Matrix: Solid Lab File ID: ZD000044.D
 Analysis Method: 8330B Date Collected: 11/11/2012 09:15
 Extraction Method: 8330B Date Extracted: 11/21/2012 15:09
 Sample wt/vol: 10.03(g) Date Analyzed: 12/01/2012 15:14
 Con. Extract Vol.: 80.00(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.: 6640 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
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	94		78-118

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20121130-1608.b\ZD000044.D
Lims ID: 240-17525-O-1-B Client ID: 069SS-0001M-0001-S0
Inject. Date: 01-Dec-2012 15:14:06 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 320-0001608-044
Misc. Info.:
Operator: RN Instrument ID: LC10
Injection Vol: 500.0 ul ALS Bottle#: 46
Lims Batch ID: 6640 Lims Sample ID: 44
Method: \\SACChrom\ChromData\LC10\20121130-1608.b\8330_LC10.m
Last Update: 03-Dec-2012 09:07:02 Calib Date: 01-Sep-2012 16:31:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D
Limit Group: LC 8330B ICAL
Integrator: Falcon
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
Process Host: XAWRK011

First Level Reviewer: noonanr

Date: 03-Dec-2012 09:07:02

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

1 13.544 13.641 -0.097 458 5.29

\$ 30 3,4-Dinitrotoluene

1 16.698 16.701 -0.003 3304 58.7

2 16.721 16.701 0.020 6414 62.1

Report Date: 03-Dec-2012 09:07:02

Chrom Revision: 2.1 29-Nov-2012 15:29:30

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121130-1608.b\ZD000044.D

Injection Date: 01-Dec-2012 15:14:06

Limit Group: LC 8330B ICAL

Client ID: 069SS-0001M-0001-S0

Instrument ID: LC10

Lims Batch ID: 6640

Lims Sample ID: 44

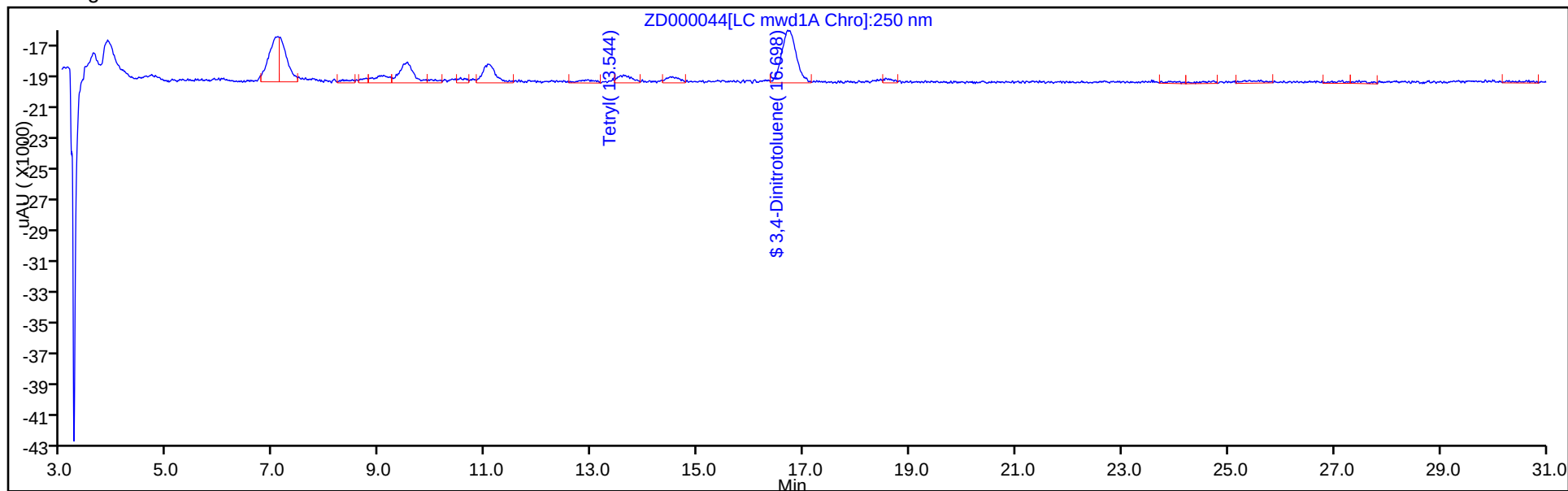
Operator ID: RN

Injection Vol: 500.0 ul

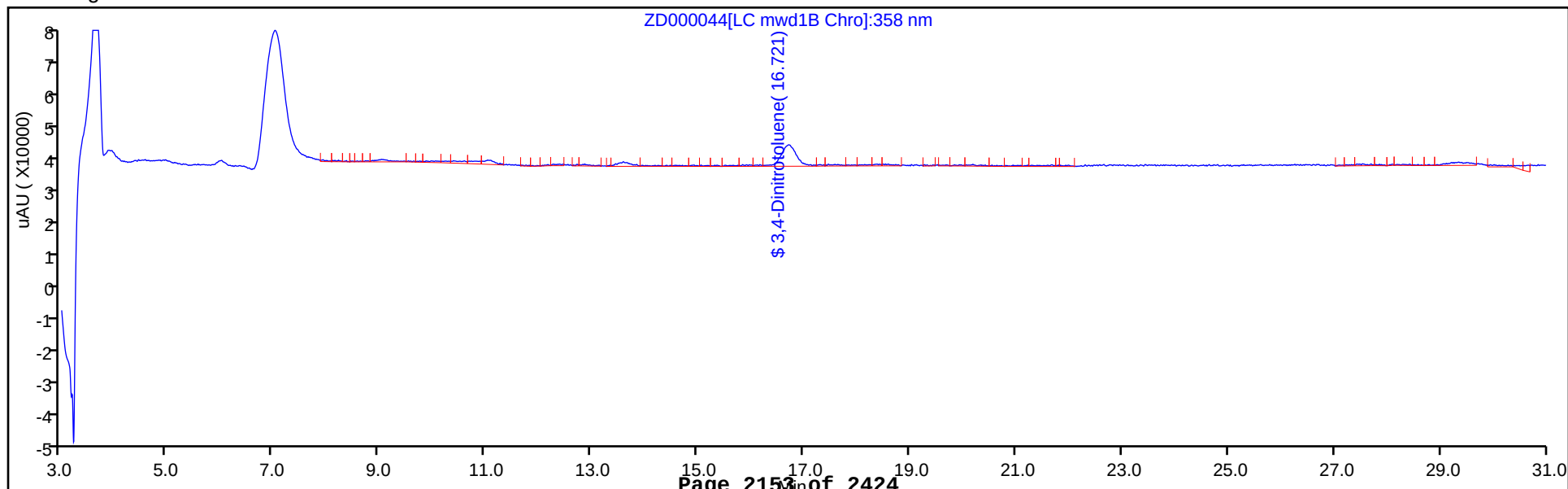
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1
SDG No.: _____
Client Sample ID: 069SS-0001M-0001-S0 Lab Sample ID: 240-17525-1
Matrix: Solid Lab File ID: D000010.D
Analysis Method: 8330B Date Collected: 11/11/2012 09:15
Extraction Method: 8330B Date Extracted: 11/21/2012 15:09
Sample wt/vol: 10.03(g) Date Analyzed: 12/04/2012 21:18
Con. Extract Vol.: 80.00(mL) Dilution Factor: 1
Injection Volume: 500(uL) GC Column: Zorbax CN ID: 4.6(mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 6840 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
479-45-8	Tetryl	0.050	U	0.25	0.050	0.010

CAS NO.	SURROGATE	%REC	Q	LIMITS
610-39-9	3,4-Dinitrotoluene	121	M Q	78-118

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC12\20121204-1667.b\000010.D
 Lims ID: 240-17525-O-1-B Client ID: 069SS-0001M-0001-S0
 Inject. Date: 04-Dec-2012 21:18:50 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 320-0001667-009
 Misc. Info.:
 Operator: RN Instrument ID: LC12
 Injection Vol: 500.0 ul ALS Bottle#: 15
 Lims Batch ID: 6840 Lims Sample ID: 9
 Method: \\SACChrom\ChromData\LC12\20121204-1667.b\LC12_Conf_8330.m
 Last Update: 05-Dec-2012 09:07:20 Calib Date: 19-Nov-2012 14:12:43
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC12\20121116-1443.b\000007.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Zorbax Cyano CN Column Dia: 4.60 mm
 Process Host: XAWRK034

First Level Reviewer: noonanr

Date: 05-Dec-2012 09:07:20

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
16 o-Nitrotoluene						
1	27.442	27.542	-0.100	129	2.12	
15 p-Nitrotoluene						
1	27.442	27.542	-0.100	129	2.12	
8 m-Nitrotoluene						
1	28.112	28.088	0.024	131	3.23	
12 2,6-Dinitrotoluene						
1	31.915	31.908	0.007	84	1.55	
\$ 30 3,4-Dinitrotoluene						
1	36.339	36.465	-0.126	3641	75.4	M
7 Nitroglycerin						
2	43.115	43.285	-0.170	1073	12.4	

QC Flag Legend

Review Flags

M - Manually Integrated

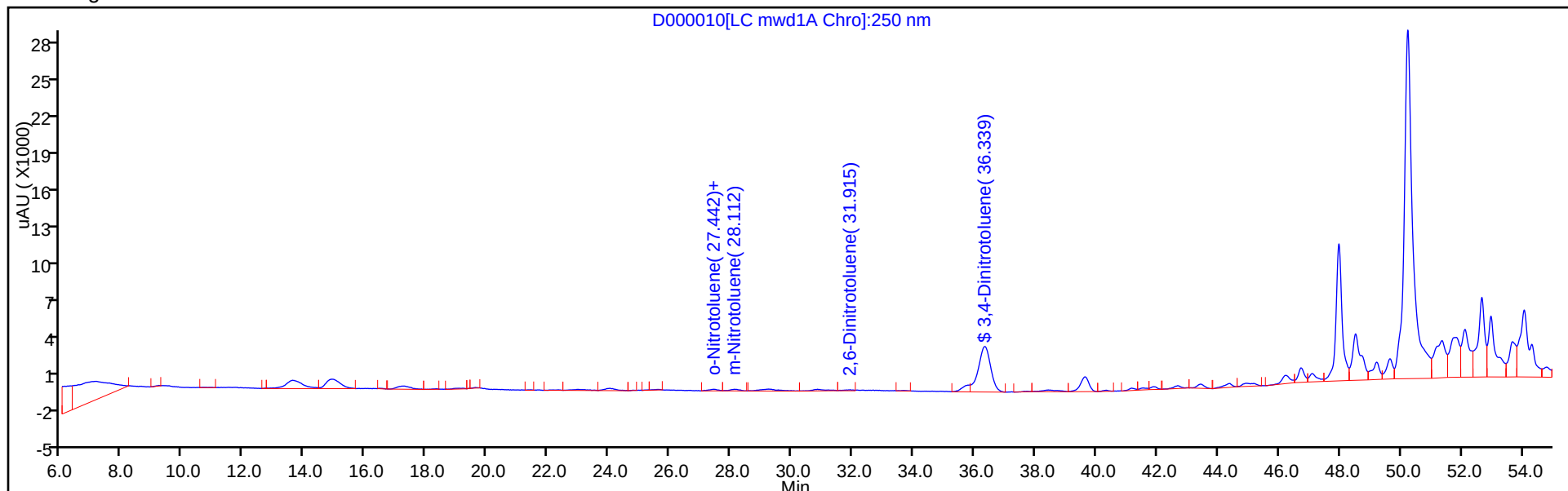
Report Date: 05-Dec-2012 09:07:20

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

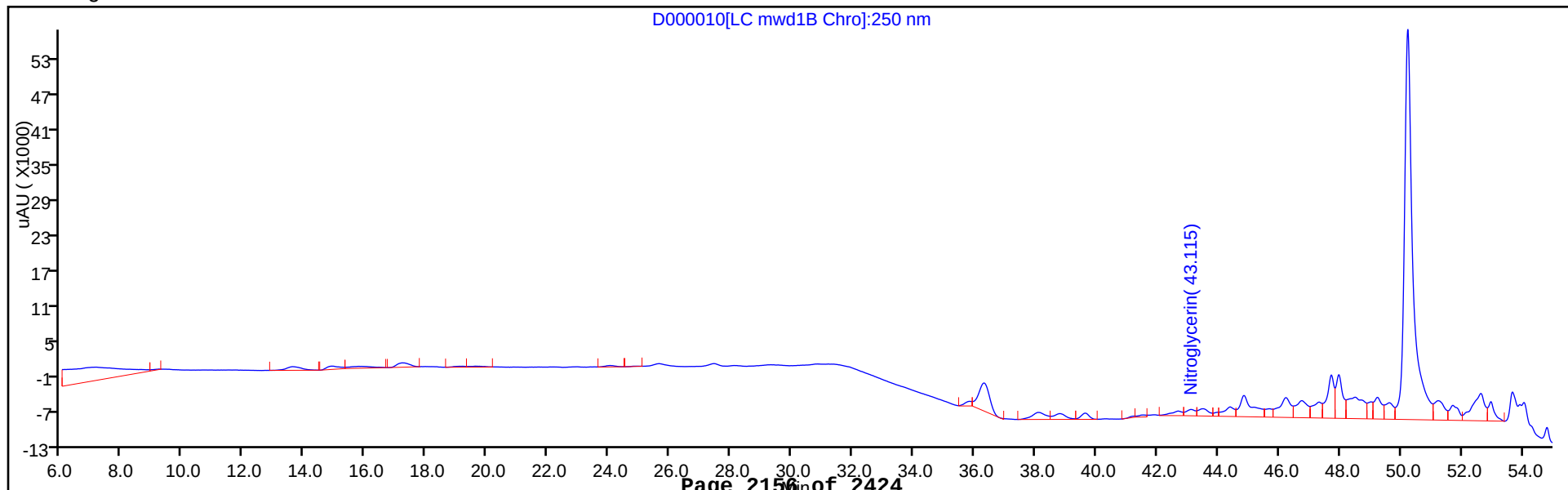
TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC12\20121204-1667.b\ID000010.D
Injection Date: 04-Dec-2012 21:18:50 Limit Group: LC 8330B ICAL
Client ID: 069SS-0001M-0001-S0 Instrument ID: LC12
Lims Batch ID: 6840 Lims Sample ID: 9
Operator ID: RN Injection Vol: 500.0 ul
Column Type: Zorbax Cyano CN Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



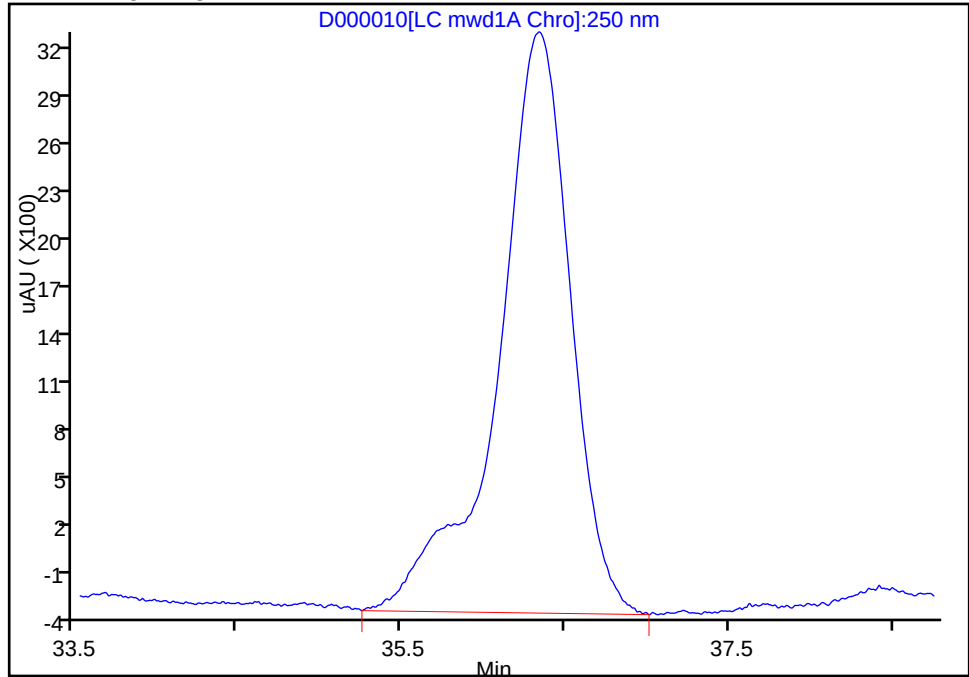
TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC12\20121204-1667.b\D000010.D
Injection Date: 04-Dec-2012 21:18:50 Limit Group: LC 8330B ICAL
Client ID: 069SS-0001M-0001-S0 Instrument ID: LC12
Lims Batch ID: 6840 Lims Sample ID: 9
Operator ID: RN Injection Vol: 500.0 ul
Column Type: Zorbax Cyano CN Column Dia: 4.60 mm

\$ 30 3,4-Dinitrotoluene, Signal: 1, Type: quant, RT: 36.46, Det: LC mwd1A

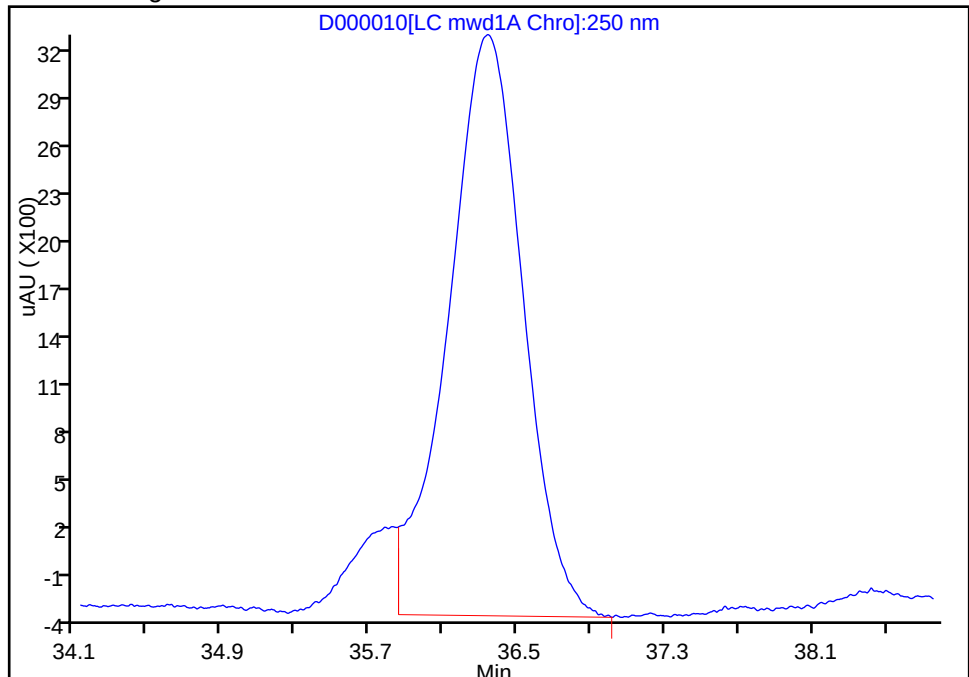
RT: 36.34
Response: 3641
Amount: 75.362154

Processing Integration Results



RT: 36.34
Response: 3641
Amount: 75.362154

Manual Integration Results



Reviewer: noonanr, 05-Dec-2012 09:07:20
Audit Action: Split an Integrated Peak
Audit Reason: Sample matrix interference

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1
 SDG No.: _____
 Client Sample ID: 069SS-0002M-0001-SO Lab Sample ID: 240-17525-2
 Matrix: Solid Lab File ID: ZD000047.D
 Analysis Method: 8330B Date Collected: 11/11/2012 09:15
 Extraction Method: 8330B Date Extracted: 11/21/2012 15:09
 Sample wt/vol: 10.16(g) Date Analyzed: 12/01/2012 17:14
 Con. Extract Vol.: 80.00 (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.: 6640 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
35572-78-2	2-Amino-4,6-dinitrotoluene	0.049	U	0.25	0.049	0.012
19406-51-0	4-Amino-2,6-dinitrotoluene	0.049	U	0.25	0.049	0.0098
99-65-0	1,3-Dinitrobenzene	0.049	U	0.25	0.049	0.0041
121-14-2	2,4-Dinitrotoluene	0.049	U	0.25	0.049	0.0052
606-20-2	2,6-Dinitrotoluene	0.049	U	0.25	0.049	0.0072
2691-41-0	HMX	0.049	U	0.25	0.049	0.012
98-95-3	Nitrobenzene	0.049	U	0.25	0.049	0.017
55-63-0	Nitroglycerin	0.25	U	0.49	0.25	0.015
88-72-2	2-Nitrotoluene	0.049	U	0.25	0.049	0.013
99-08-1	3-Nitrotoluene	0.049	U	0.25	0.049	0.015
99-99-0	4-Nitrotoluene	0.049	U	0.25	0.049	0.018
78-11-5	PETN	0.25	U	0.49	0.25	0.025
121-82-4	RDX	0.049	U	0.25	0.049	0.012
479-45-8	Tetryl	0.073	J	0.25	0.049	0.0098
99-35-4	1,3,5-Trinitrobenzene	0.049	U	0.25	0.049	0.0098
118-96-7	2,4,6-Trinitrotoluene	0.049	U	0.25	0.049	0.019

CAS NO.	SURROGATE	%REC	Q	LIMITS
610-39-9	3,4-Dinitrotoluene	93		78-118

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20121130-1608.b\ZD000047.D
Lims ID: 240-17525-F-2-B Client ID: 069SS-0002M-0001-SO
Inject. Date: 01-Dec-2012 17:14:51 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 320-0001608-047
Misc. Info.:
Operator: RN Instrument ID: LC10
Injection Vol: 500.0 ul ALS Bottle#: 49
Lims Batch ID: 6640 Lims Sample ID: 47
Method: \\SACChrom\ChromData\LC10\20121130-1608.b\8330_LC10.m
Last Update: 03-Dec-2012 09:08:29 Calib Date: 01-Sep-2012 16:31:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D
Limit Group: LC 8330B ICAL
Integrator: Falcon
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
Process Host: XAWRK011

First Level Reviewer: noonanr

Date: 03-Dec-2012 09:08:29

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

1 13.583 13.641 -0.058 804 9.29

\$ 30 3,4-Dinitrotoluene

1 16.730 16.701 0.029 3282 58.3

2 16.696 16.701 -0.005 6347 61.4

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121130-1608.b\ZD000047.D

Injection Date: 01-Dec-2012 17:14:51

Limit Group: LC 8330B ICAL

Client ID: 069SS-0002M-0001-SO

Instrument ID: LC10

Lims Batch ID: 6640

Lims Sample ID: 47

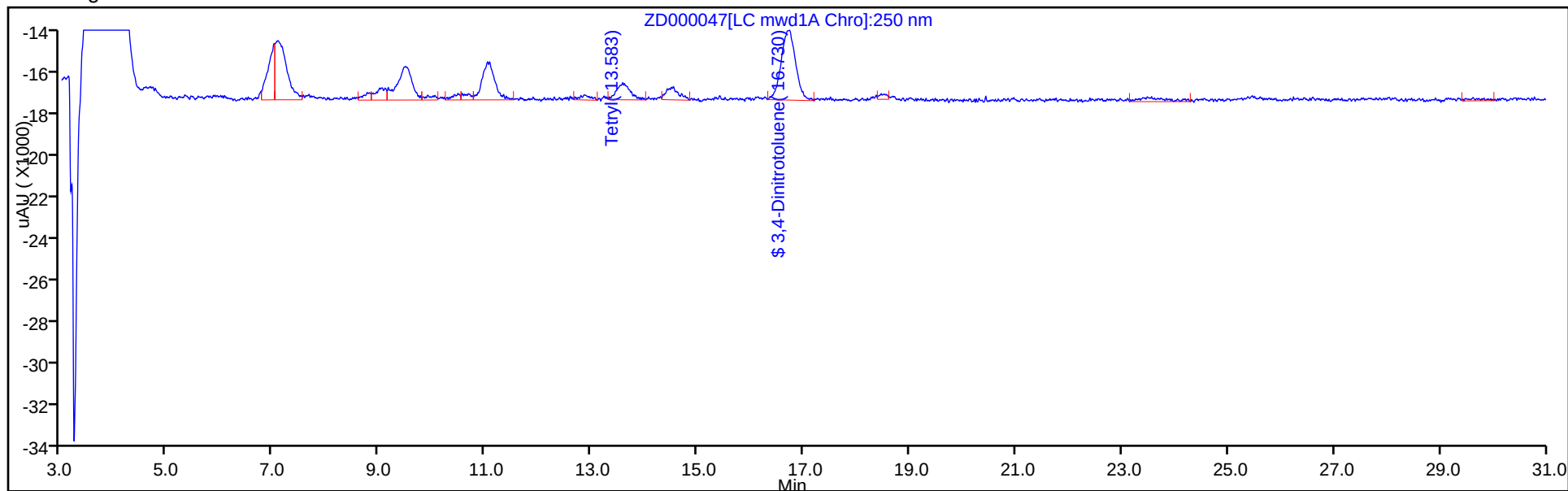
Operator ID: RN

Injection Vol: 500.0 ul

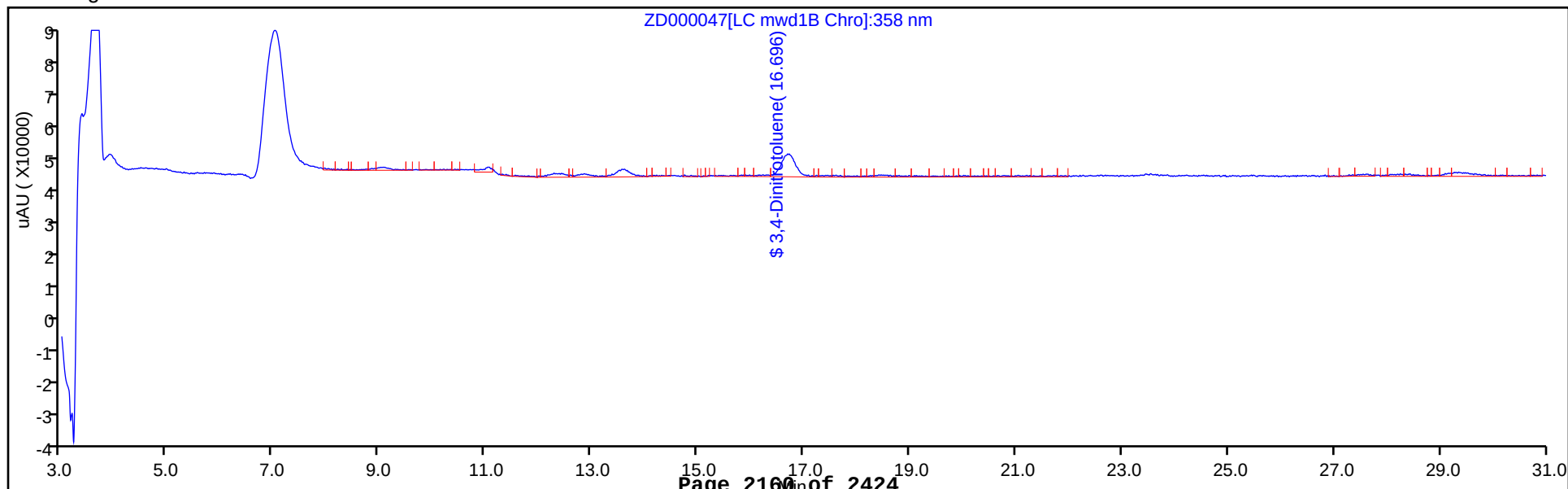
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1
SDG No.: _____
Client Sample ID: 069SS-0002M-0001-SO Lab Sample ID: 240-17525-2
Matrix: Solid Lab File ID: D000011.D
Analysis Method: 8330B Date Collected: 11/11/2012 09:15
Extraction Method: 8330B Date Extracted: 11/21/2012 15:09
Sample wt/vol: 10.16(g) Date Analyzed: 12/04/2012 22:24
Con. Extract Vol.: 80.00 (mL) Dilution Factor: 1
Injection Volume: 500 (uL) GC Column: Zorbax CN ID: 4.6 (mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 6840 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
610-39-9	3,4-Dinitrotoluene	114		78-118

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC12\20121204-1667.b\000011.D
 Lims ID: 240-17525-F-2-B Client ID: 069SS-0002M-0001-SO
 Inject. Date: 04-Dec-2012 22:24:10 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 320-0001667-010
 Misc. Info.:
 Operator: RN Instrument ID: LC12
 Injection Vol: 500.0 ul ALS Bottle#: 16
 Lims Batch ID: 6840 Lims Sample ID: 10
 Method: \\SACChrom\ChromData\LC12\20121204-1667.b\LC12_Conf_8330.m
 Last Update: 05-Dec-2012 09:08:58 Calib Date: 19-Nov-2012 14:12:43
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC12\20121116-1443.b\000007.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Zorbax Cyano CN Column Dia: 4.60 mm
 Process Host: XAWRK034

First Level Reviewer: noonanr

Date: 05-Dec-2012 09:08:58

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
16 o-Nitrotoluene						
1	27.557	27.542	0.015	147	2.41	
15 p-Nitrotoluene						
1	27.557	27.542	0.015	147	2.41	
\$ 30 3,4-Dinitrotoluene						
1	36.490	36.465	0.025	3449	71.4	
7 Nitroglycerin						
2	43.254	43.285	-0.031	1057	12.2	
20 Tetryl						
1	45.287	45.242	0.045	205	1.75	M

QC Flag Legend

Review Flags

M - Manually Integrated

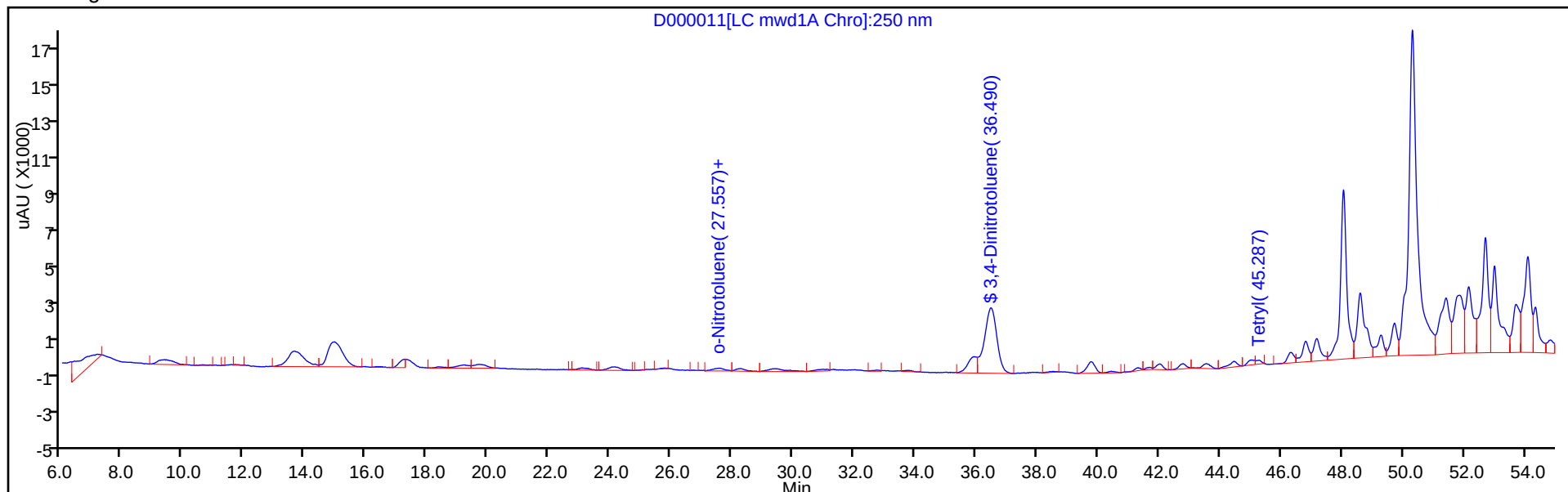
Report Date: 05-Dec-2012 09:08:58

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

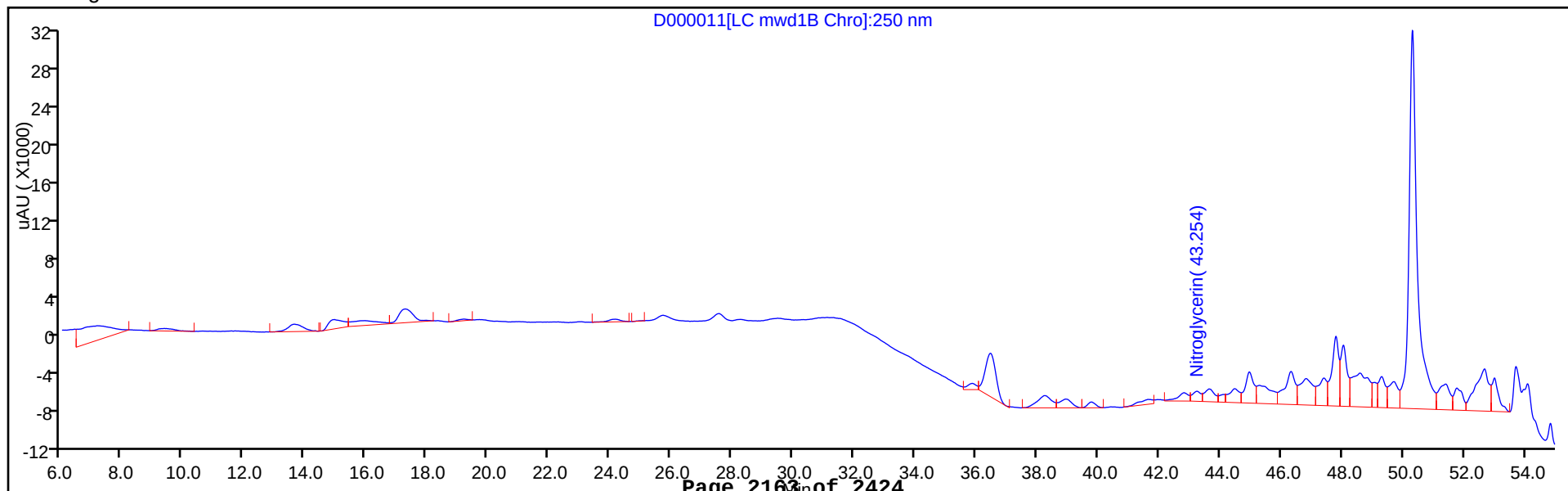
TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC12\20121204-1667.b\000011.D
Injection Date: 04-Dec-2012 22:24:10 Limit Group: LC 8330B ICAL
Client ID: 069SS-0002M-0001-SO Instrument ID: LC12
Lims Batch ID: 6840 Lims Sample ID: 10
Operator ID: RN Injection Vol: 500.0 ul
Column Type: Zorbax Cyano CN Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



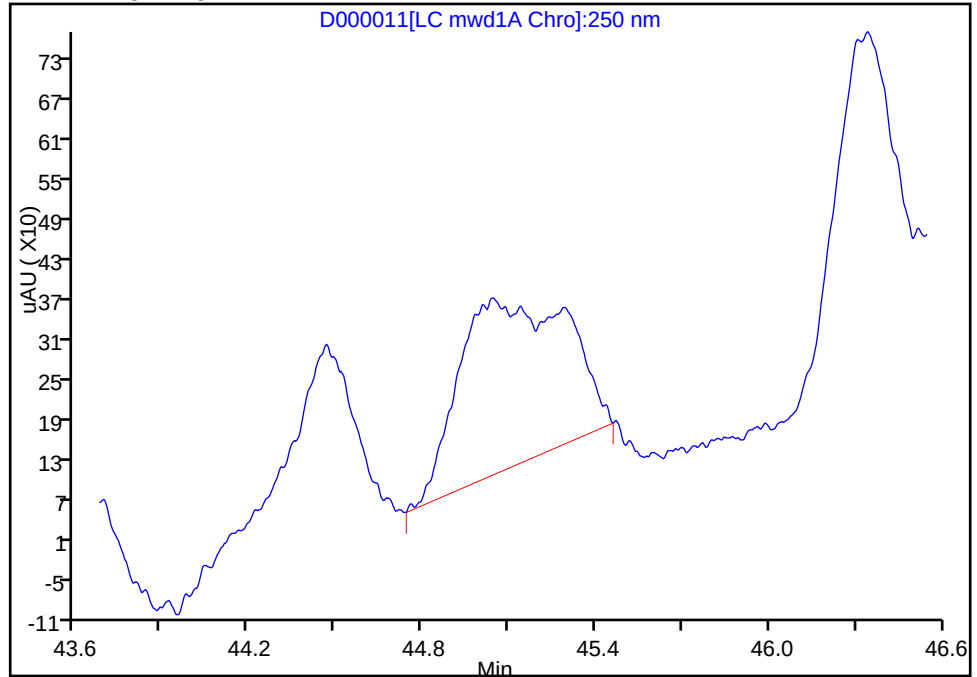
TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC12\20121204-1667.b\D000011.D
Injection Date: 04-Dec-2012 22:24:10 Limit Group: LC 8330B ICAL
Client ID: 069SS-0002M-0001-SO Instrument ID: LC12
Lims Batch ID: 6840 Lims Sample ID: 10
Operator ID: RN Injection Vol: 500.0 ul
Column Type: Zorbax Cyano CN Column Dia: 4.60 mm

20 Tetryl, Signal: 1, Type: quant, RT: 45.24, Det: LC mwd1A

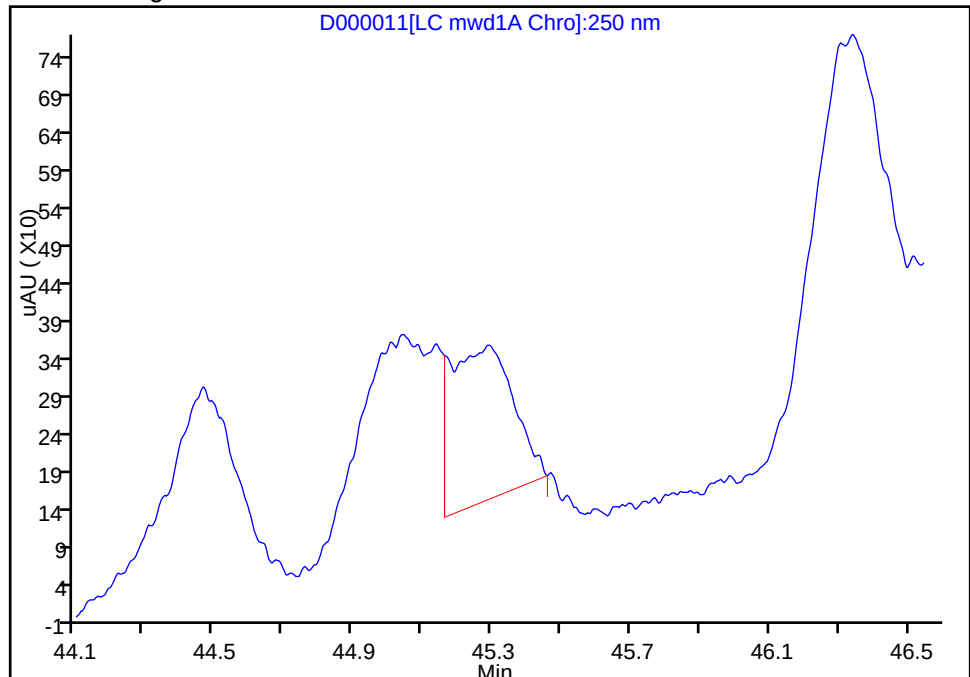
RT: 45.05
Response: 263
Amount: 2.246589

Processing Integration Results



RT: 45.29
Response: 205
Amount: 1.751143

Manual Integration Results



Reviewer: noonanr, 05-Dec-2012 09:08:58
Audit Action: Split an Integrated Peak
Audit Reason: Split Peak

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1
SDG No.: _____
Client Sample ID: 077SS-0001M-0001-SO Lab Sample ID: 240-17525-5
Matrix: Solid Lab File ID: ZD000049.D
Analysis Method: 8330B Date Collected: 11/11/2012 10:45
Extraction Method: 8330B Date Extracted: 11/21/2012 15:09
Sample wt/vol: 10.00 (g) Date Analyzed: 12/01/2012 18:35
Con. Extract Vol.: 80.00 (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.: 6640 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	0.013
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	0.016
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	95		78-118

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20121130-1608.b\ZD000049.D
Lims ID: 240-17525-O-5-A Client ID: 077SS-0001M-0001-SO
Inject. Date: 01-Dec-2012 18:35:15 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 320-0001608-049
Misc. Info.:
Operator: RN Instrument ID: LC10
Injection Vol: 500.0 ul ALS Bottle#: 50
Lims Batch ID: 6640 Lims Sample ID: 49
Method: \\SACChrom\ChromData\LC10\20121130-1608.b\8330_LC10.m
Last Update: 03-Dec-2012 09:09:59 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: XAWRK011

First Level Reviewer: noonanr

Date: 03-Dec-2012 09:09:59

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

1	16.659	16.692	-0.033	3337	59.3
2	16.649	16.695	-0.046	6283	60.8

Report Date: 03-Dec-2012 09:09:59

Chrom Revision: 2.1 29-Nov-2012 15:29:30

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121130-1608.b\ZD000049.D

Injection Date: 01-Dec-2012 18:35:15

Limit Group: LC 8330B ICAL

Client ID: 077SS-0001M-0001-SO

Instrument ID: LC10

Lims Batch ID: 6640

Lims Sample ID: 49

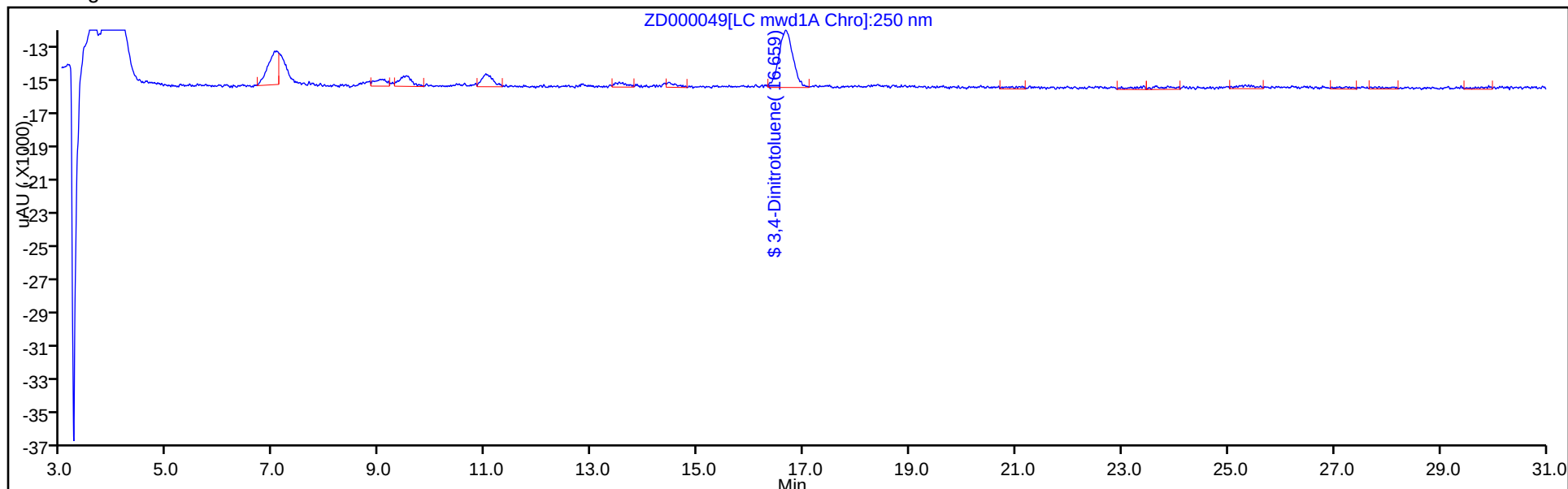
Operator ID: RN

Injection Vol: 500.0 ul

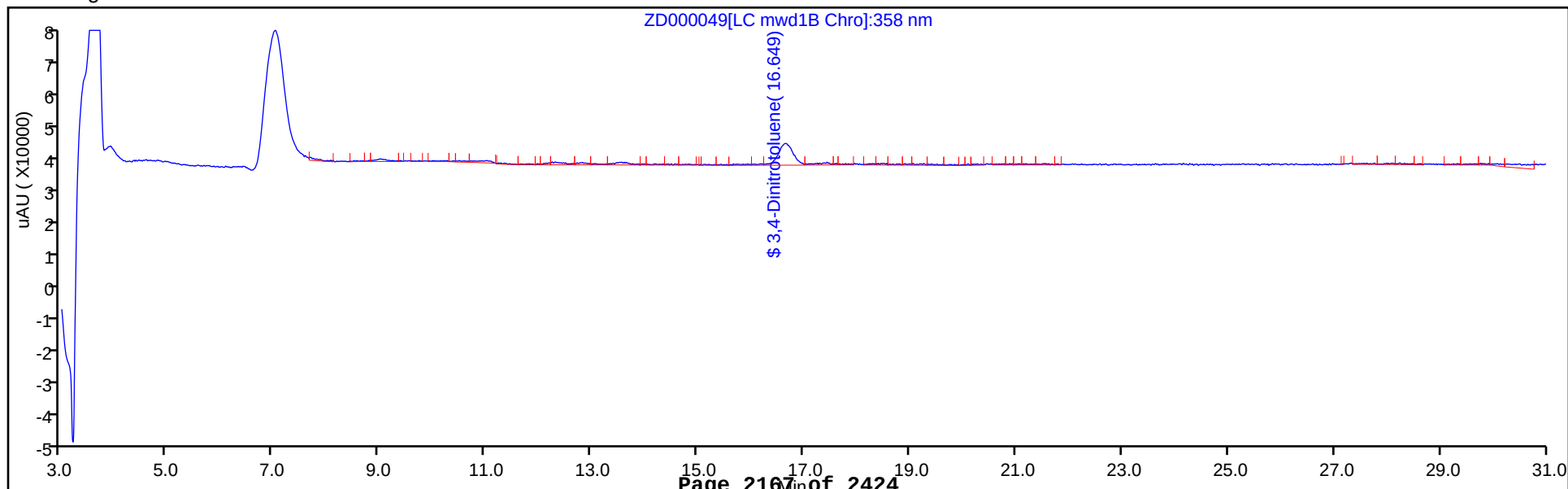
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1

SDG No.: _____

Client Sample ID: 077SS-0002M-0001-SO Lab Sample ID: 240-17525-6

Matrix: Solid Lab File ID: ZD000052.D

Analysis Method: 8330B Date Collected: 11/11/2012 10:45

Extraction Method: 8330B Date Extracted: 11/21/2012 15:09

Sample wt/vol: 9.97(g) Date Analyzed: 12/01/2012 20:35

Con. Extract Vol.: 80.00(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.: 6640 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	0.013
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	0.083	J	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	0.016
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	0.028	J	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	91		78-118

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20121130-1608.b\ZD000052.D
Lims ID: 240-17525-F-6-B Client ID: 077SS-0002M-0001-SO
Inject. Date: 01-Dec-2012 20:35:46 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 320-0001608-052
Misc. Info.:
Operator: RN Instrument ID: LC10
Injection Vol: 500.0 ul ALS Bottle#: 53
Lims Batch ID: 6640 Lims Sample ID: 52
Method: \\SACChrom\ChromData\LC10\20121130-1608.b\8330_LC10.m
Last Update: 03-Dec-2012 09:15:17 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: XAWRK011

First Level Reviewer: noonanr

Date: 03-Dec-2012 09:15:17

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

1 13.525 13.639 -0.114 300 3.47

7 Nitroglycerin

2 14.899 14.859 0.040 674 10.4

\$ 30 3,4-Dinitrotoluene

1 16.715 16.692 0.023 3210 57.0

2 16.725 16.695 0.030 6282 60.8

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121130-1608.b\ZD000052.D

Injection Date: 01-Dec-2012 20:35:46

Limit Group: LC 8330B ICAL

Client ID: 077SS-0002M-0001-SO

Instrument ID: LC10

Lims Batch ID: 6640

Lims Sample ID: 52

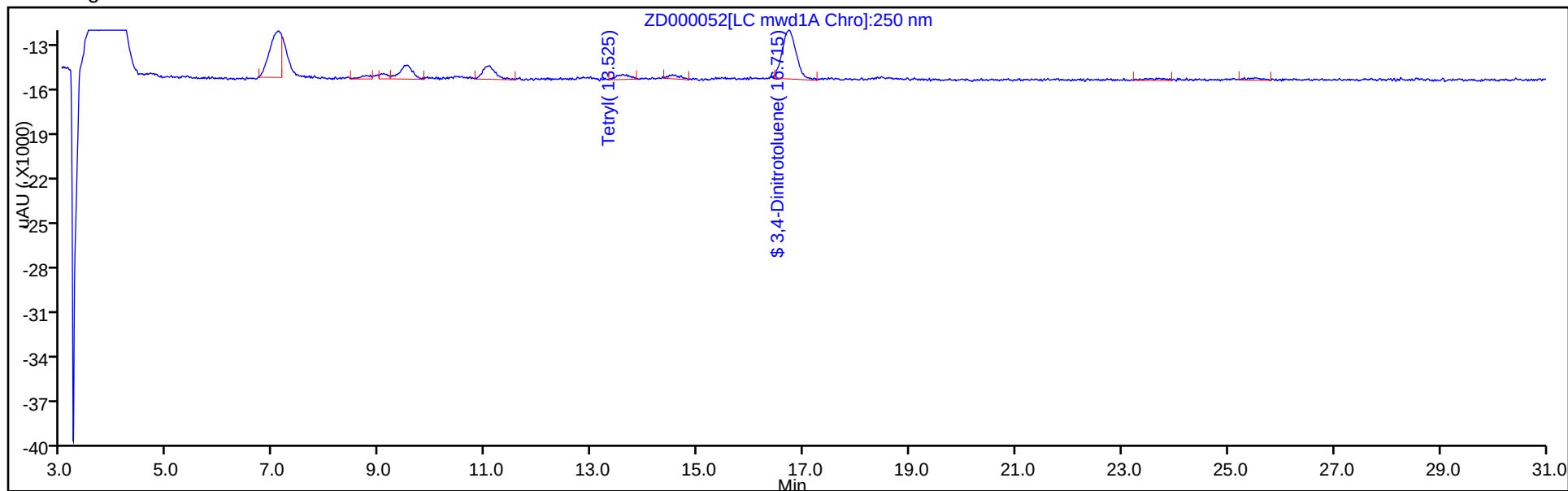
Operator ID: RN

Injection Vol: 500.0 ul

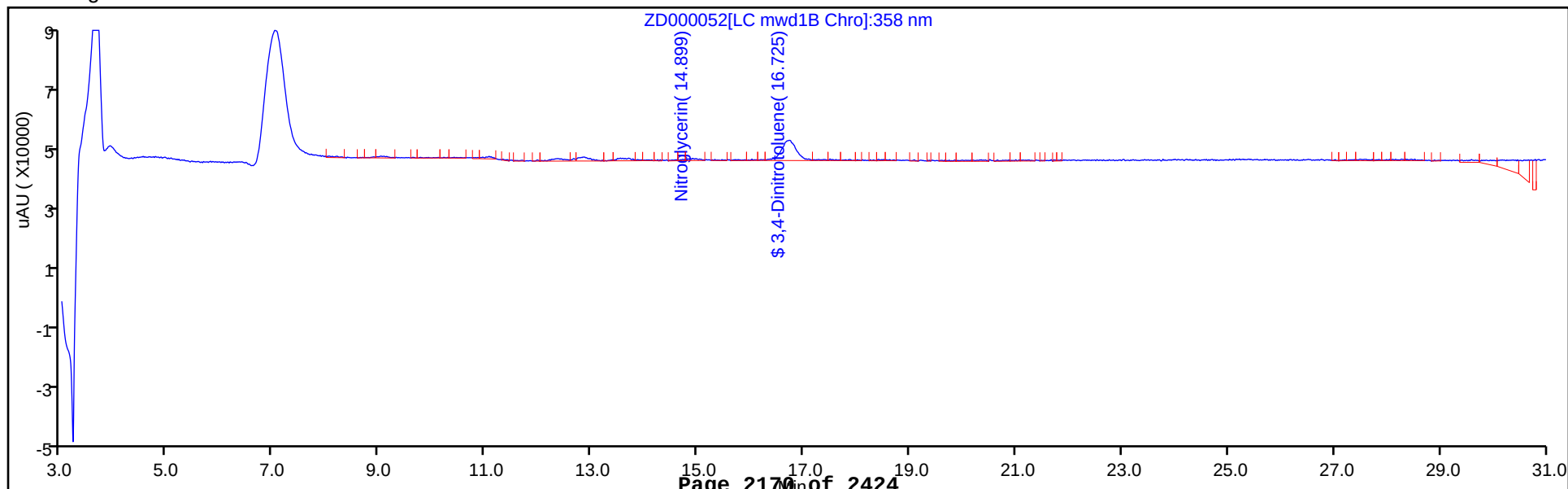
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1
SDG No.: _____
Client Sample ID: 077SS-0002M-0001-SO Lab Sample ID: 240-17525-6
Matrix: Solid Lab File ID: D000012.D
Analysis Method: 8330B Date Collected: 11/11/2012 10:45
Extraction Method: 8330B Date Extracted: 11/21/2012 15:09
Sample wt/vol: 9.97(g) Date Analyzed: 12/04/2012 23:29
Con. Extract Vol.: 80.00(mL) Dilution Factor: 1
Injection Volume: 500(uL) GC Column: Zorbax CN ID: 4.6(mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 6840 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
610-39-9	3,4-Dinitrotoluene	108	<i>M</i>	78-118

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC12\20121204-1667.b\D000012.D
 Lims ID: 240-17525-F-6-B Client ID: 077SS-0002M-0001-SO
 Inject. Date: 04-Dec-2012 23:29:33 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 320-0001667-011
 Misc. Info.:
 Operator: RN Instrument ID: LC12
 Injection Vol: 500.0 ul ALS Bottle#: 17
 Lims Batch ID: 6840 Lims Sample ID: 11
 Method: \\SACChrom\ChromData\LC12\20121204-1667.b\LC12_Conf_8330.m
 Last Update: 05-Dec-2012 09:09:59 Calib Date: 19-Nov-2012 14:12:43
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC12\20121116-1443.b\P000007.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Zorbax Cyano CN Column Dia: 4.60 mm
 Process Host: XAWRK034

First Level Reviewer: noonanr

Date: 05-Dec-2012 09:09:59

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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27	1,3,5-Trinitrobenzene					
1	25.586	25.678	-0.092	68	0.8634	
16	o-Nitrotoluene					
1	27.489	27.542	-0.053	112	1.84	
15	p-Nitrotoluene					
1	27.489	27.542	-0.053	112	1.84	
23	2,4-Dinitrotoluene					
1	30.989	31.005	-0.016	189	2.05	
12	2,6-Dinitrotoluene					
1	31.943	31.908	0.035	108	1.99	
\$ 30	3,4-Dinitrotoluene					M
1	36.499	36.465	0.034	3264	67.6	M
7	Nitroglycerin					
2	43.252	43.285	-0.033	1164	13.5	
20	Tetryl					
1	45.299	45.242	0.057	210	1.79	

QC Flag Legend

Review Flags

M - Manually Integrated

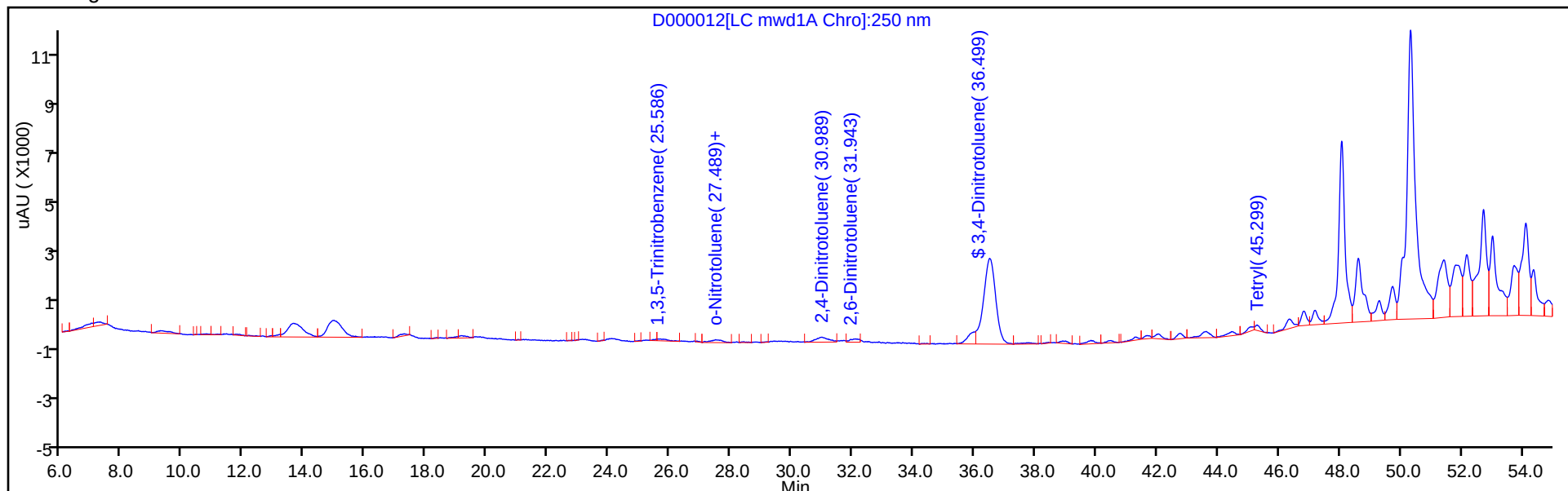
Report Date: 05-Dec-2012 09:09:59

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

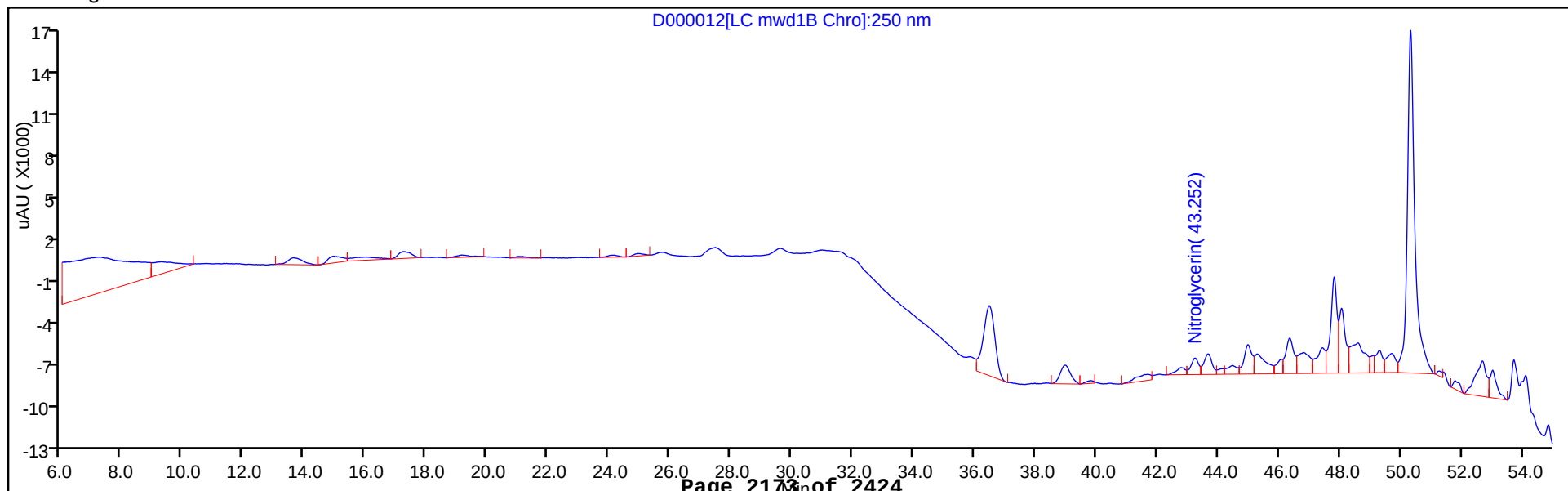
TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC12\20121204-1667.b\ID000012.D
Injection Date: 04-Dec-2012 23:29:33 Limit Group: LC 8330B ICAL
Client ID: 077SS-0002M-0001-SO Instrument ID: LC12
Lims Batch ID: 6840 Lims Sample ID: 11
Operator ID: RN Injection Vol: 500.0 ul
Column Type: Zorbax Cyano CN Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



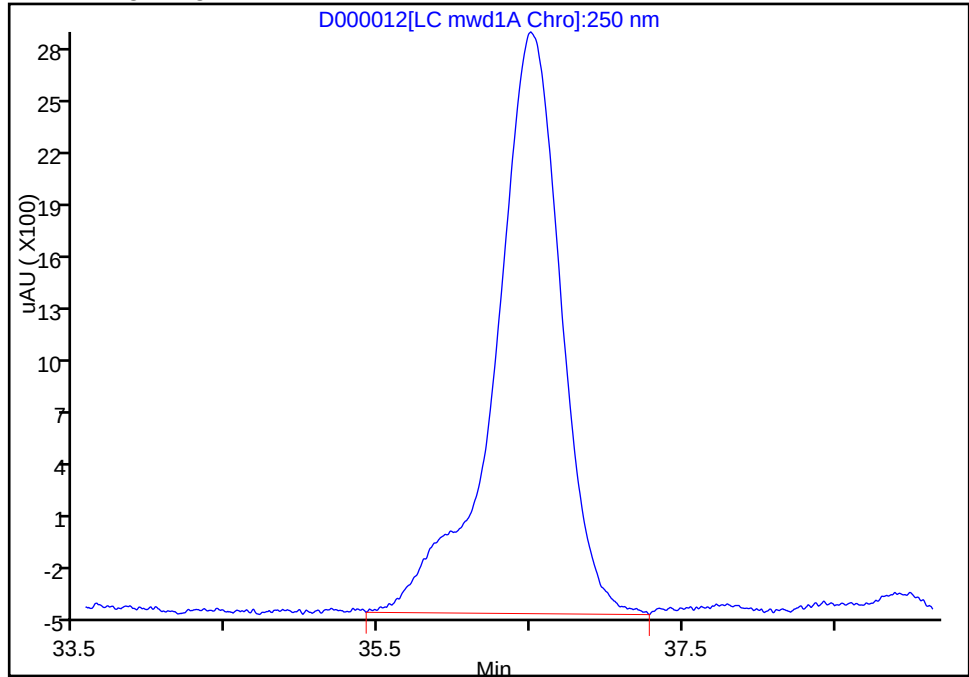
TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC12\20121204-1667.b\D000012.D
Injection Date: 04-Dec-2012 23:29:33 Limit Group: LC 8330B ICAL
Client ID: 077SS-0002M-0001-SO Instrument ID: LC12
Lims Batch ID: 6840 Lims Sample ID: 11
Operator ID: RN Injection Vol: 500.0 ul
Column Type: Zorbax Cyano CN Column Dia: 4.60 mm

\$ 30 3,4-Dinitrotoluene, Signal: 1, Type: quant, RT: 36.46, Det: LC mwd1A

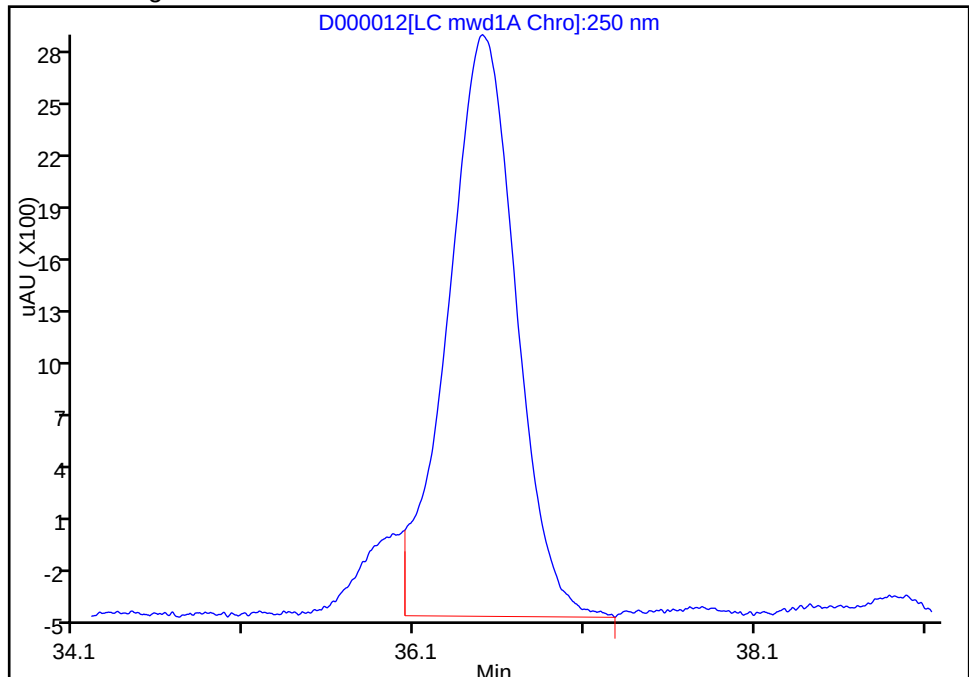
RT: 36.50
Response: 3264
Amount: 67.558932

Processing Integration Results



RT: 36.50
Response: 3264
Amount: 67.558932

Manual Integration Results



Reviewer: noonanr, 05-Dec-2012 09:09:59
Audit Action: Split an Integrated Peak
Audit Reason: Split Peak

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

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1 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 West Sacramento Job No.: 240-17525-1 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 West Sacramento Job No.: 240-17525-1 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 West Sacramento Job No.: 240-17525-1 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 West Sacramento Job No.: 240-17525-1 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

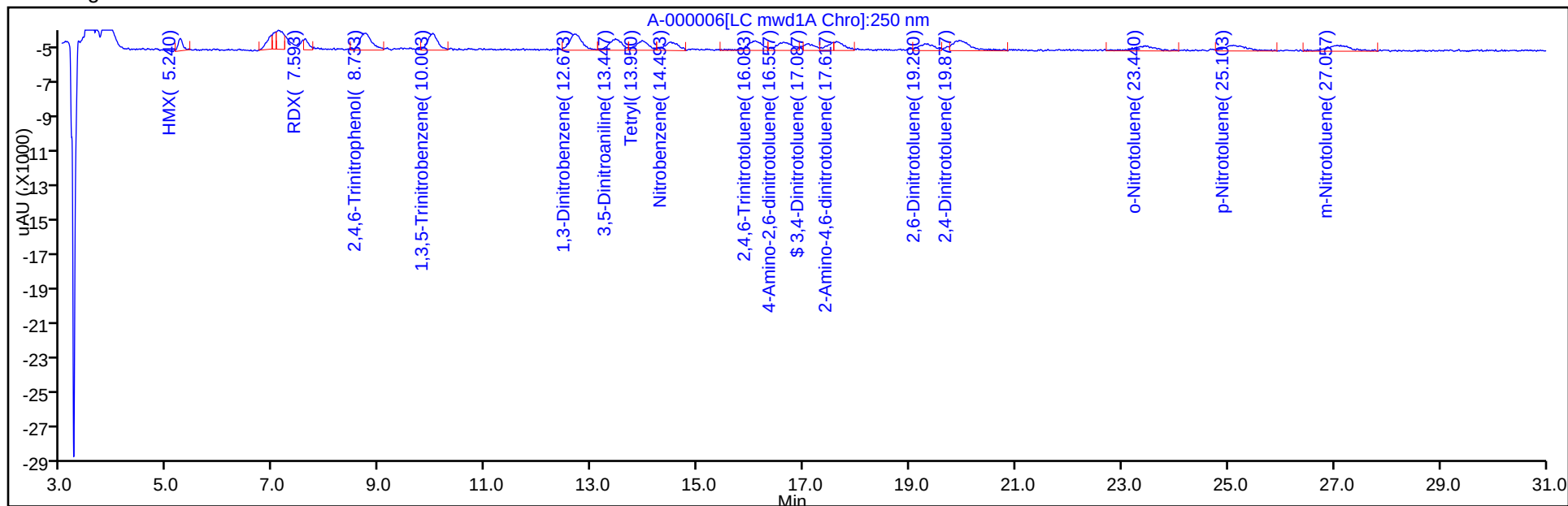
Operator ID: RN

Injection Vol: 500.0 ul

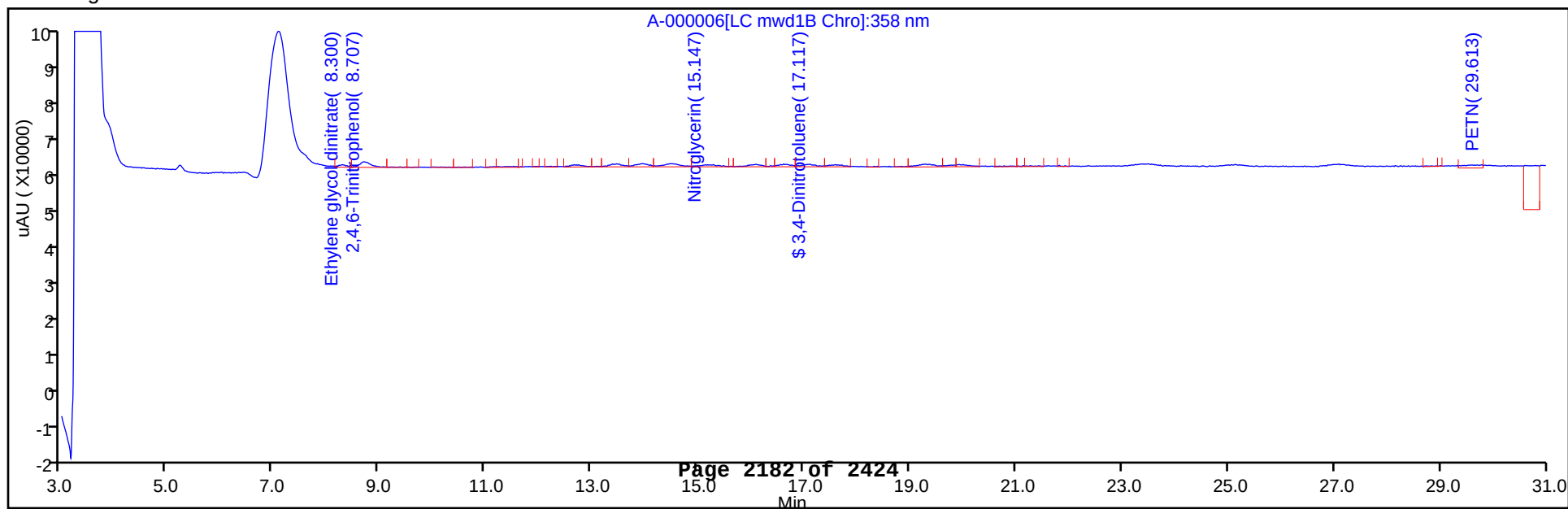
Column Type: Synergi Hydro-RP C18

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

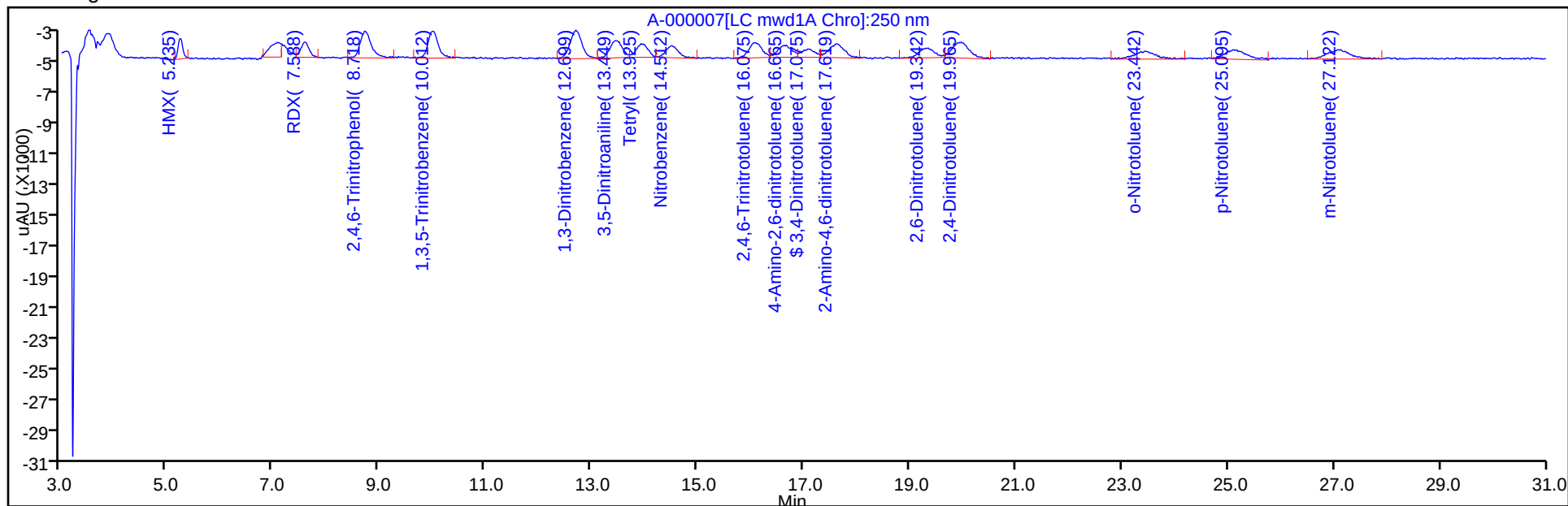
Operator ID: RN

Injection Vol: 500.0 ul

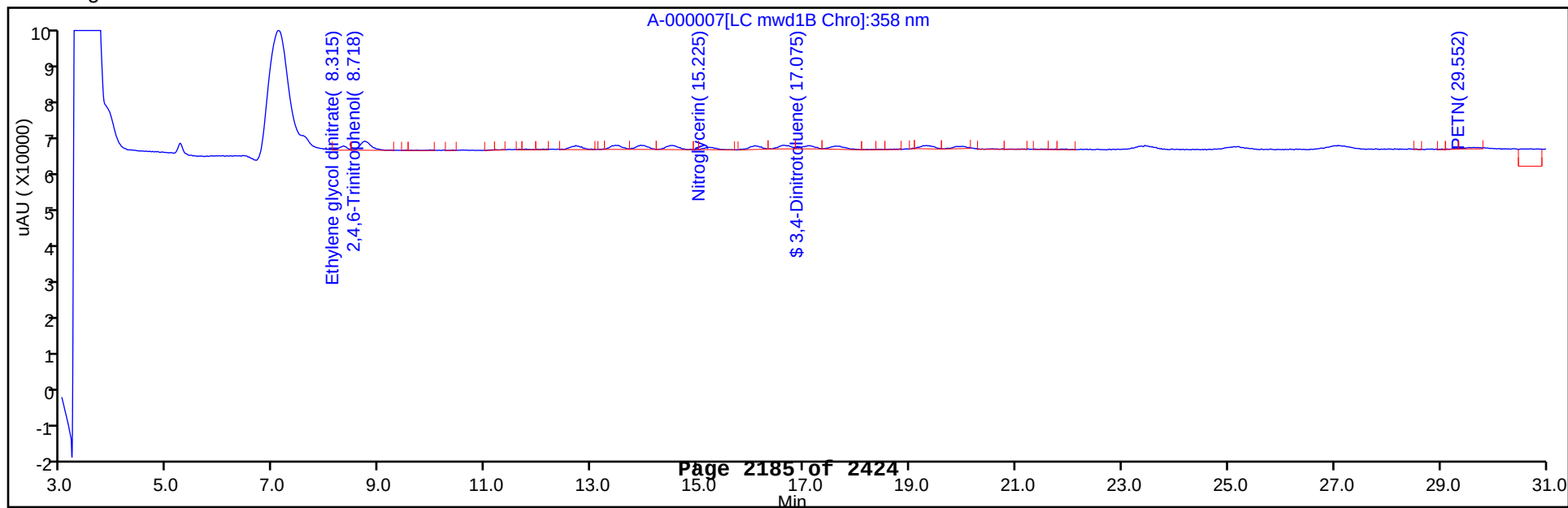
Column Type: Synergi Hydro-RP C18

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

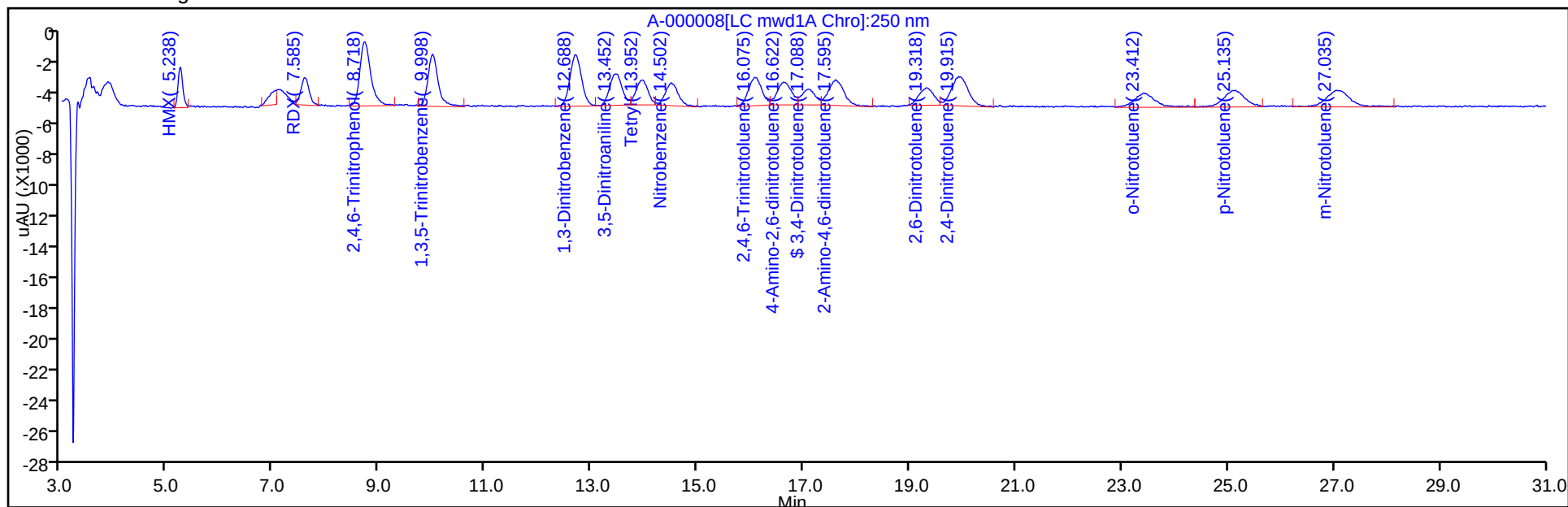
Operator ID: RN

Injection Vol: 500.0 ul

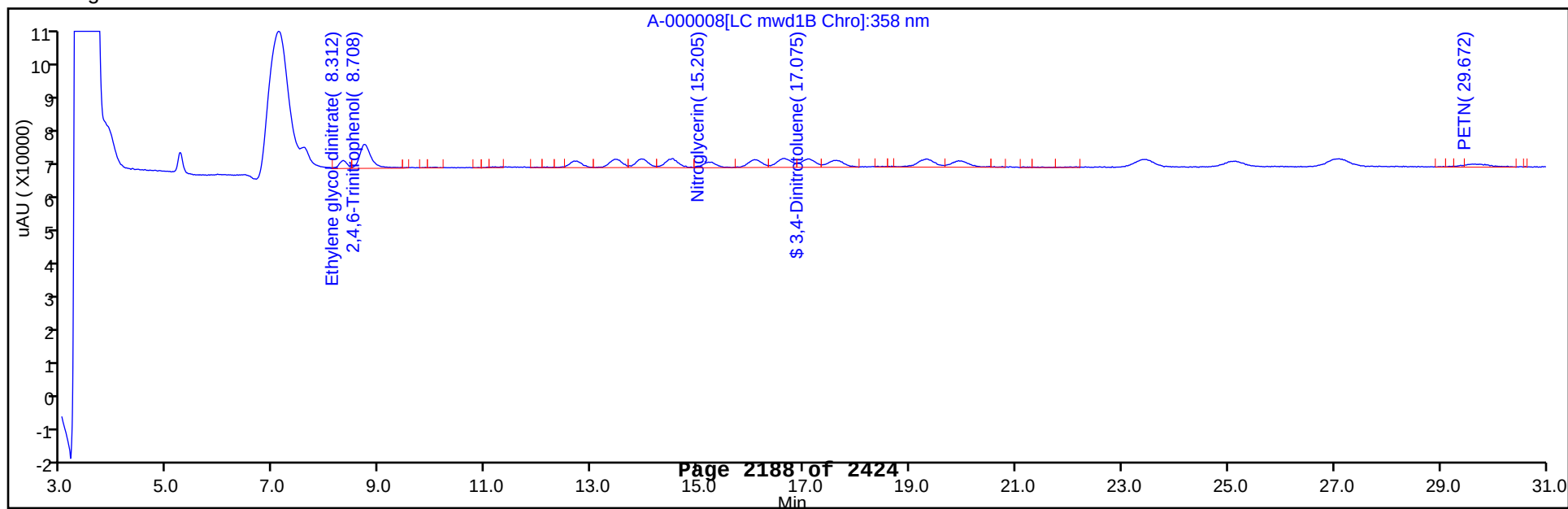
Column Type: Synergi Hydro-RP C18

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

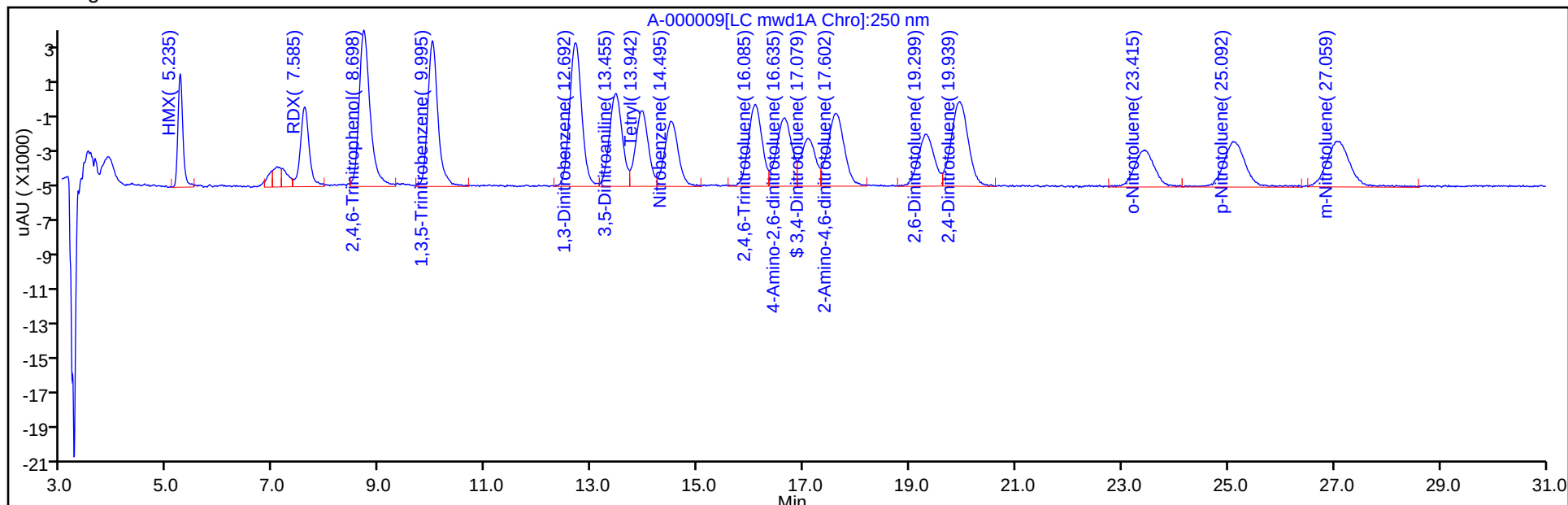
Operator ID: RN

Injection Vol: 500.0 ul

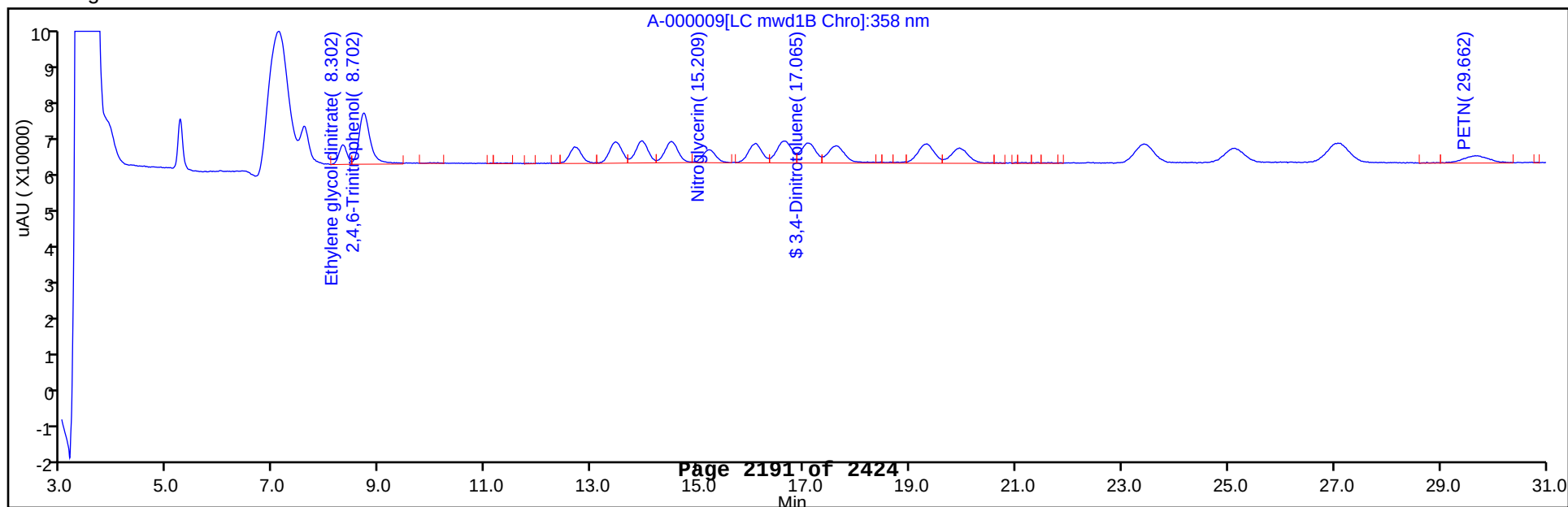
Column Type: Synergi Hydro-RP C18

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	

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

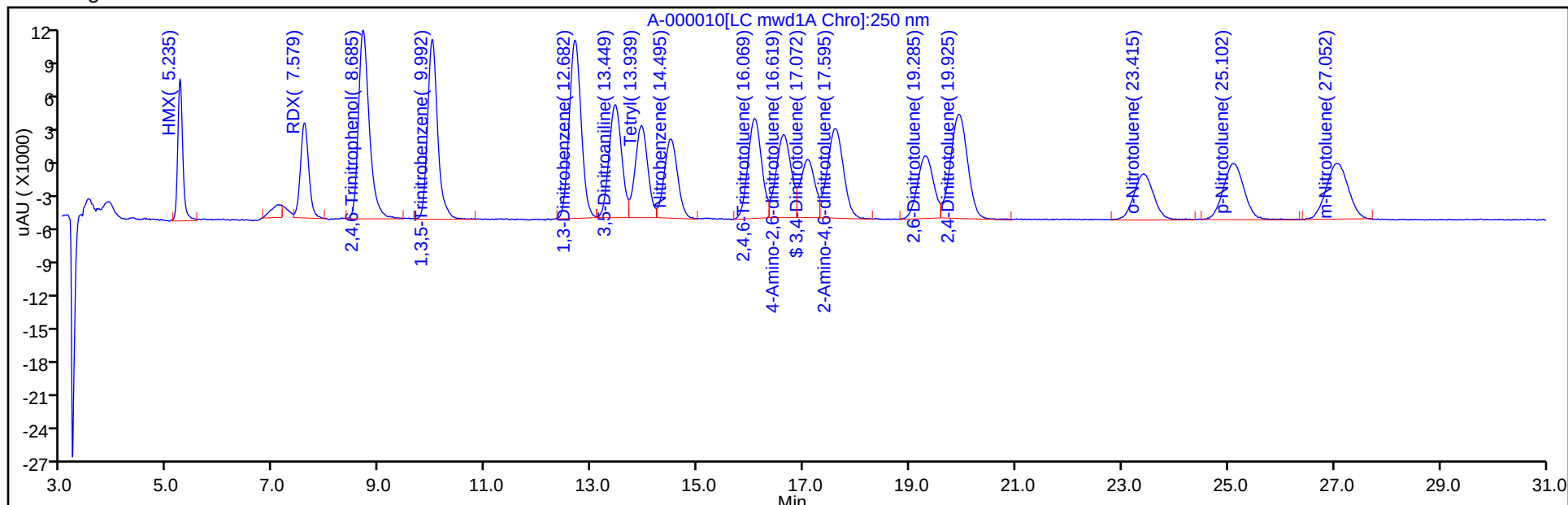
Operator ID: RN

Injection Vol: 500.0 ul

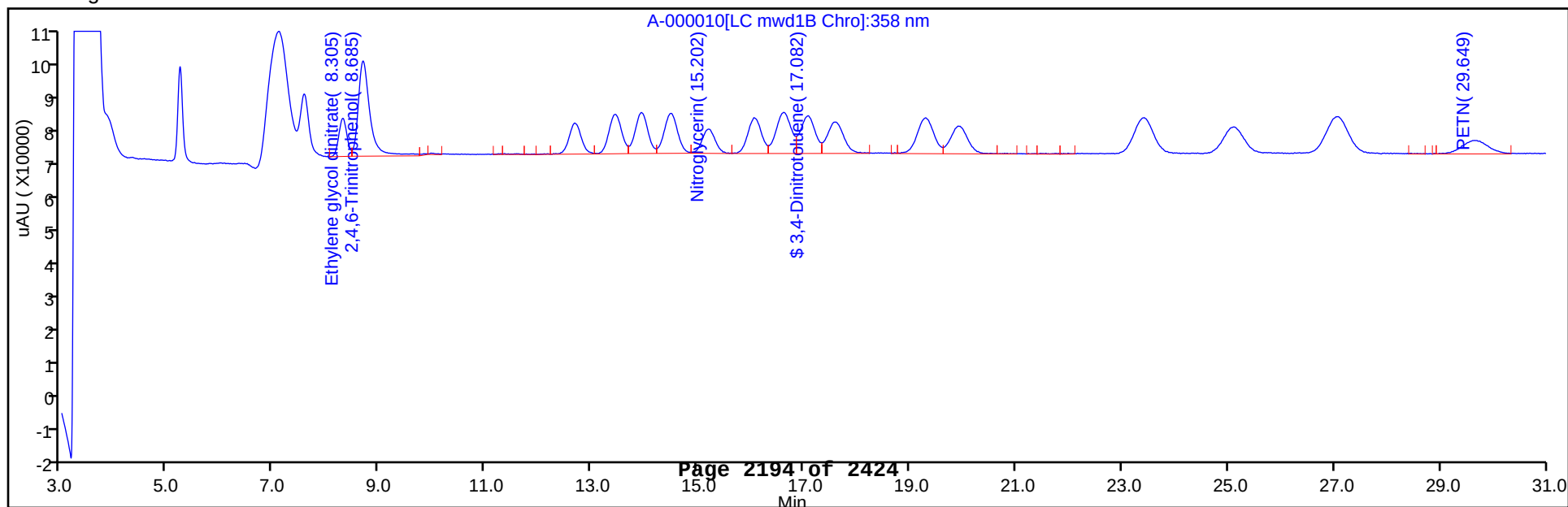
Column Type: Synergi Hydro-RP C18

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

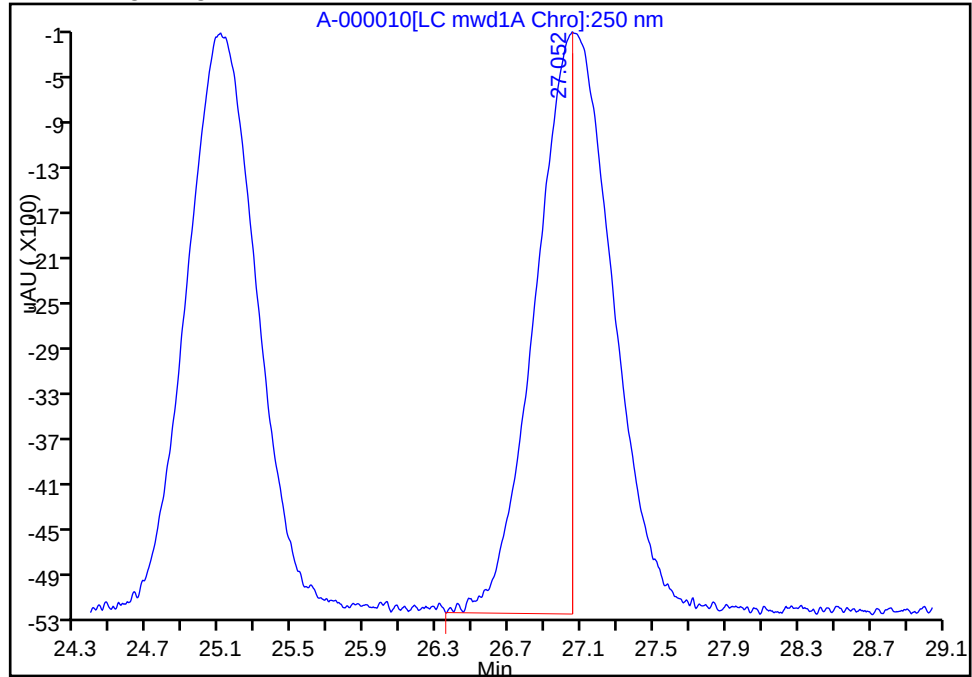
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

8 m-Nitrotoluene, Signal: 1, Type: quant, RT: 27.05, Det: LC mwd1A

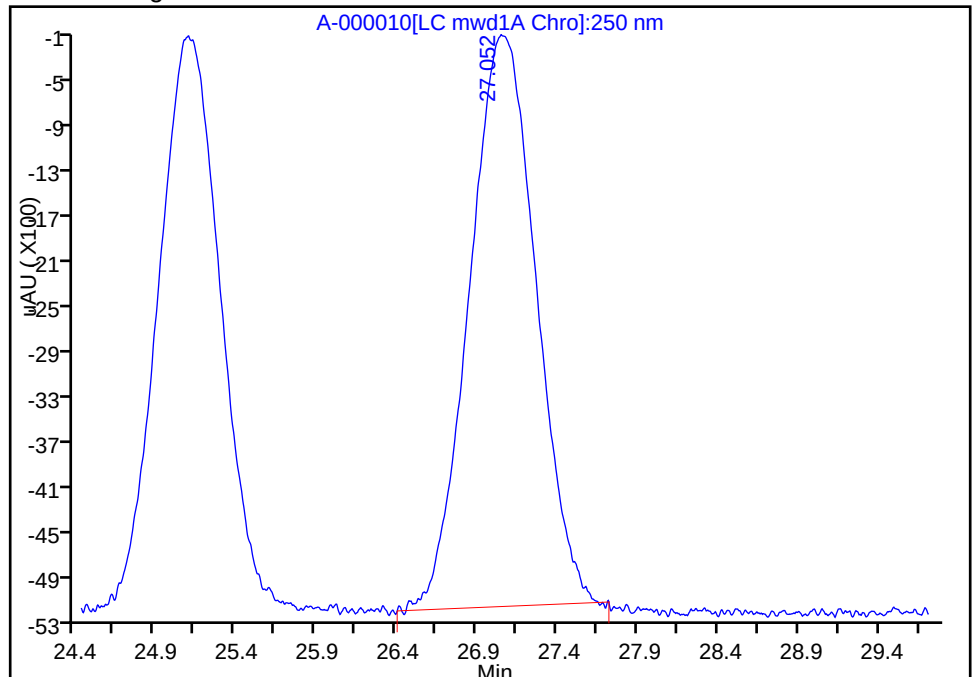
RT: 27.05
Response: 5091
Amount: 94.175972

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

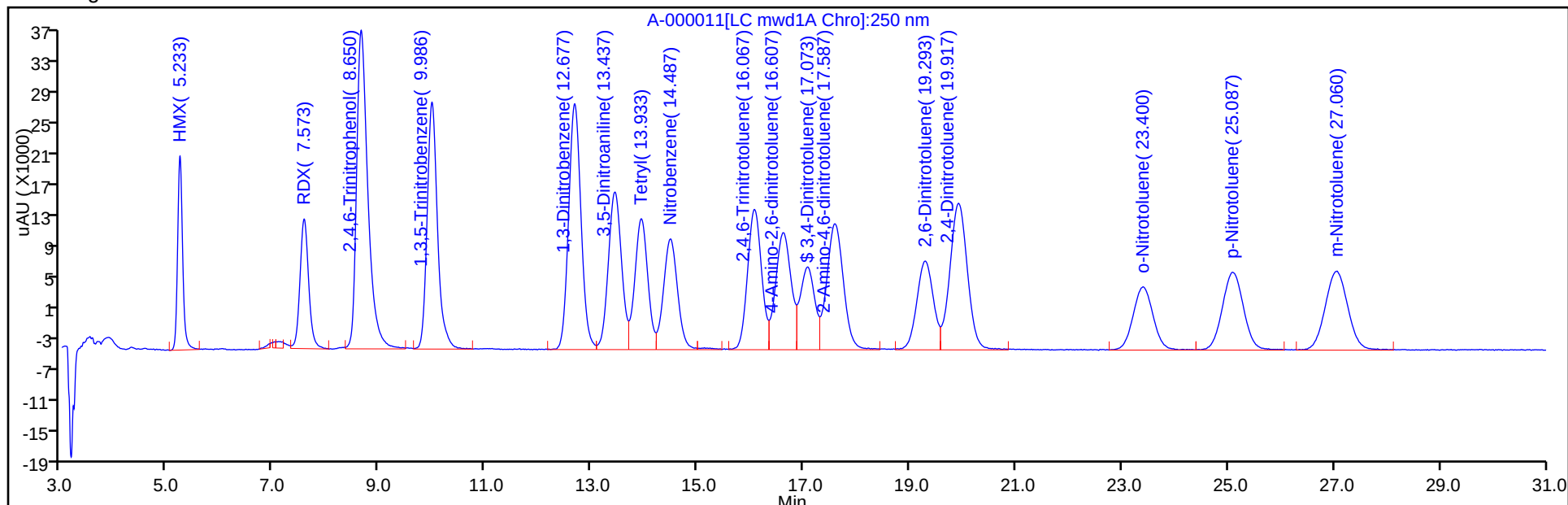
Operator ID: RN

Injection Vol: 500.0 ul

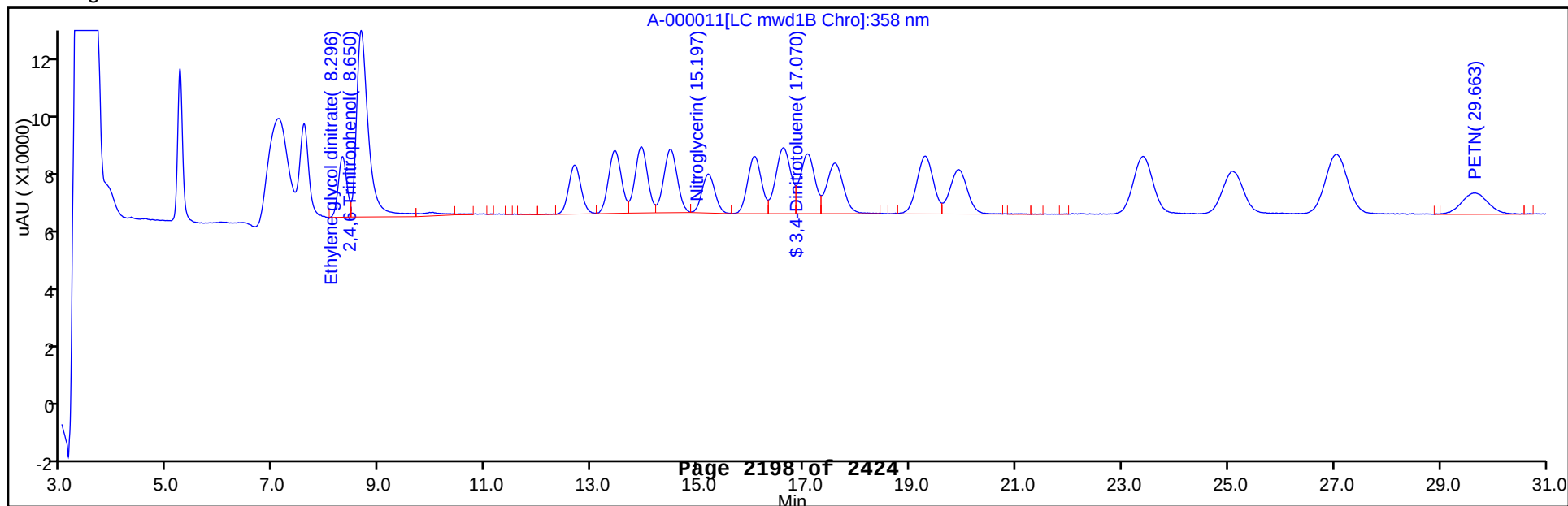
Column Type: Synergi Hydro-RP C18

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

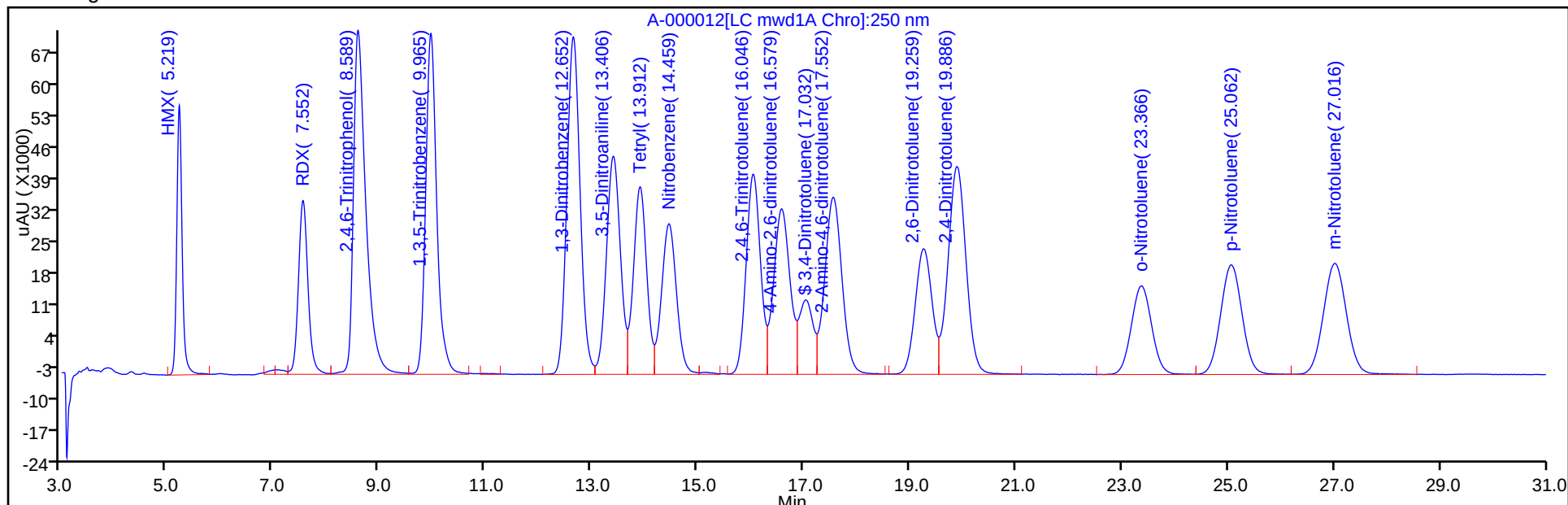
Operator ID: RN

Injection Vol: 500.0 ul

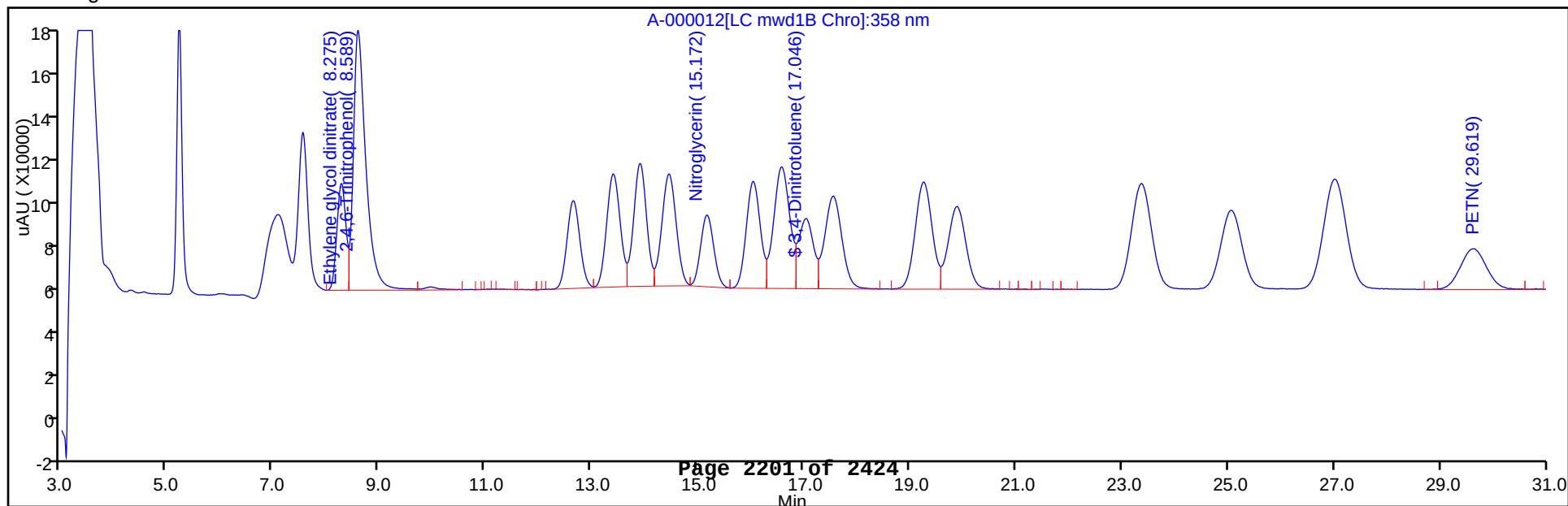
Column Type: Synergi Hydro-RP C18

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

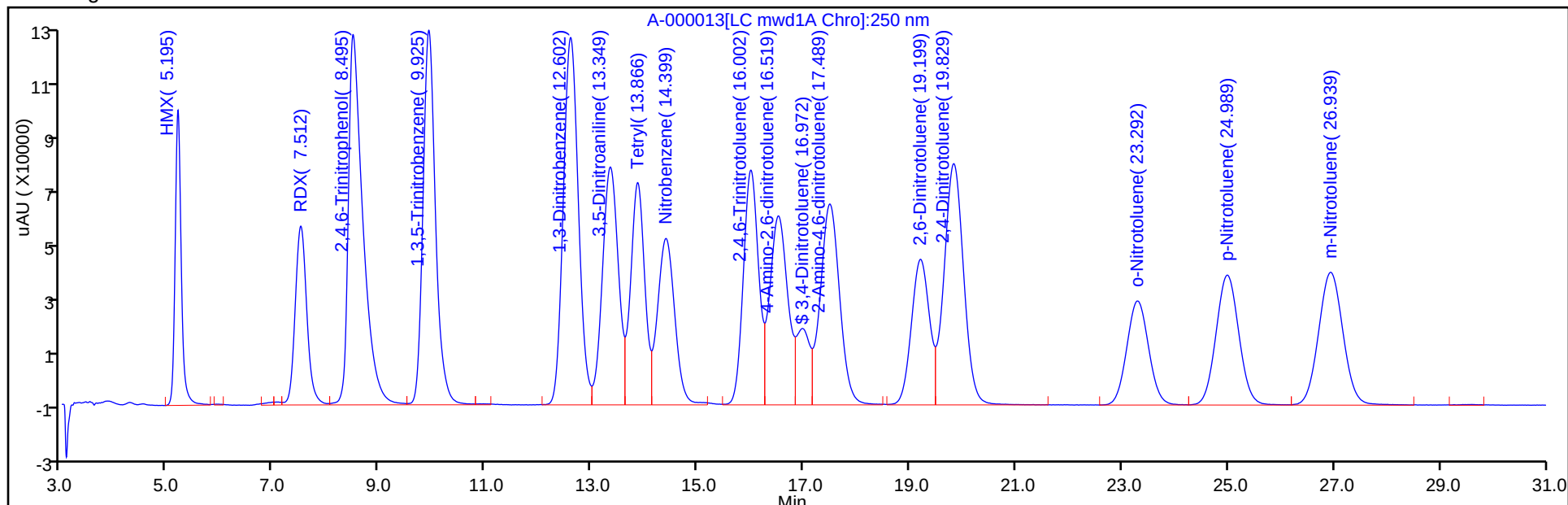
Operator ID: RN

Injection Vol: 500.0 ul

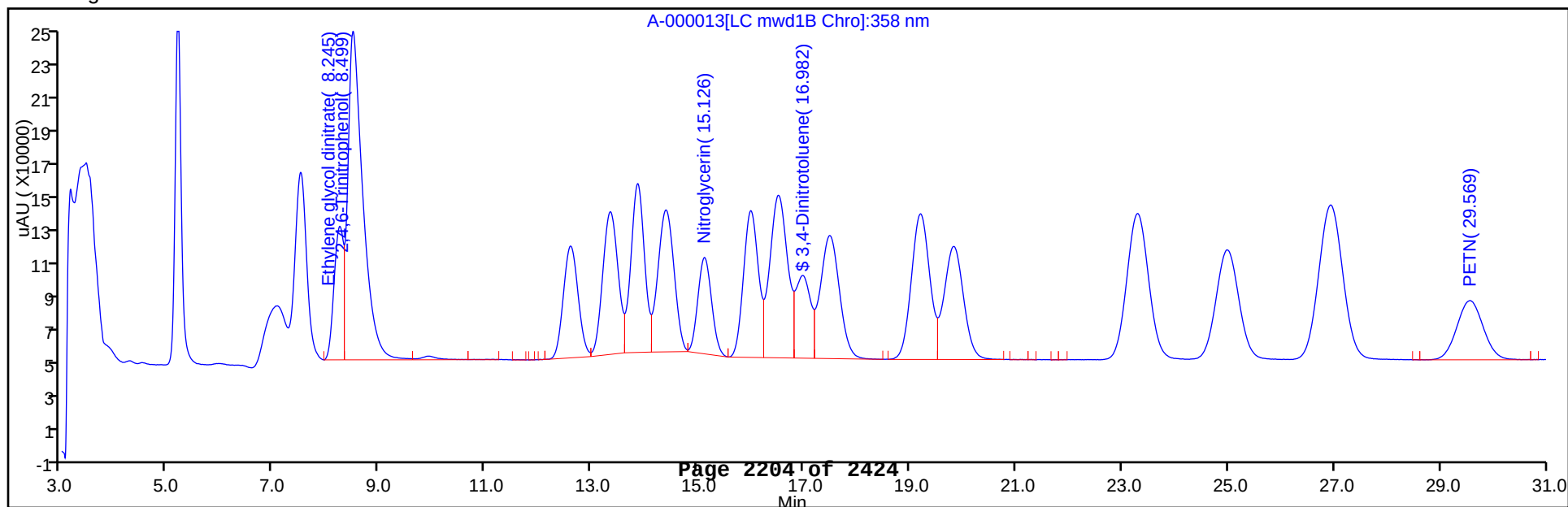
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



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

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1 Analy Batch No.: 4221

SDG No.: _____

Instrument ID: LC12 GC Column: Zorbax CN ID: 4.6 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/01/2012 12:30 Calibration End Date: 10/01/2012 20:08 Calibration ID: 1330

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 320-4221/2	C-000004.D
Level 2	STD02 320-4221/3	C-000005.D
Level 3	STD03 320-4221/4	C-000006.D
Level 4	STD04 320-4221/5	C-000007.D
Level 5	STD05 320-4221/6	C-000008.D
Level 6	STD06 320-4221/7	C-000009.D
Level 7	STD07 320-4221/8	C-000010.D
Level 8	STD08 320-4221/9	C-000011.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 7	LVL 8			RT WINDOW	AVG RT
Nitrobenzene	21.445	21.475	21.441	21.416	21.424	21.418	21.377	21.419			21.195 - 21.695	21.427
Ethylene glycol dinitrate	++++	++++	22.331	22.363	22.354	22.341	22.310	22.305			22.139 - 22.639	22.343
1,3-Dinitrobenzene	24.385	24.365	24.371	24.346	24.360	24.341	24.310	24.362			24.135 - 24.635	24.355
1,3,5-Trinitrobenzene	26.912	26.898	26.881	26.863	26.877	26.851	26.824	26.872			26.639 - 27.139	26.872
2-Nitrotoluene	28.422	28.458	28.421	28.406	28.430	28.398	28.384	++++			28.212 - 28.712	28.423
4-Nitrotoluene	28.422	28.458	28.421	28.406	28.430	28.398	28.384	++++			28.212 - 28.712	28.423
3-Nitrotoluene	29.035	29.018	28.985	28.979	28.994	28.958	28.934				28.782 - 29.282	28.986
3,5-Dinitroaniline	30.502	30.518	30.471	30.463	30.480	30.451	30.440	30.512			30.275 - 30.775	30.480
RDX	31.199	31.168	31.141	31.126	31.134	31.105	31.094	31.139			30.939 - 31.439	31.138
2,4-Dinitrotoluene	32.099	32.095	32.058	32.039	32.060	32.025	32.017	32.089			31.849 - 32.349	32.060
2,6-Dinitrotoluene	33.079	33.078	33.008	33.016	33.030	32.991	32.990	33.062			32.825 - 33.325	33.032
2-Amino-4,6-dinitrotoluene	35.235	35.242	35.205	35.183	35.194	35.158	35.164	35.255			35.015 - 35.515	35.205
4-Amino-2,6-dinitrotoluene	35.829	35.835	35.761	35.766	35.774	35.731	35.734	35.789			35.599 - 36.099	35.777
2,4,6-Trinitrotoluene	39.622	39.598	39.571	39.556	39.560	39.538	39.544	39.605			39.365 - 39.865	39.574
HMX	41.772	41.778	41.738	41.746	41.740	41.715	41.727	41.779			41.552 - 42.052	41.749
Nitroglycerin	++++	++++	44.121	44.129	44.130	44.108	44.117	44.189			43.935 - 44.435	44.138
Tetryl	45.955	45.932	45.908	45.922	45.920	45.905	45.910	46.005			45.735 - 46.235	45.932
PETN	++++	++++	52.631	52.626	52.630	52.628	52.630	52.702			52.422 - 52.922	52.642
3,4-Dinitrotoluene	37.689	37.632	37.618	37.606	37.604	37.571	37.577	37.652			37.425 - 37.925	37.619

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

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1 Analy Batch No.: 4221

SDG No.: _____

Instrument ID: LC12 GC Column: Zorbax CN ID: 4.6 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/01/2012 12:30 Calibration End Date: 10/01/2012 20:08 Calibration ID: 1330

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 320-4221/2	C-000004.D
Level 2	STD02 320-4221/3	C-000005.D
Level 3	STD03 320-4221/4	C-000006.D
Level 4	STD04 320-4221/5	C-000007.D
Level 5	STD05 320-4221/6	C-000008.D
Level 6	STD06 320-4221/7	C-000009.D
Level 7	STD07 320-4221/8	C-000010.D
Level 8	STD08 320-4221/9	C-000011.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								
Nitrobenzene	54.800 46.890	50.700 45.370	48.500 40.138	46.600 31.779	Ave		45.5971250				15.0		20.0			
Ethylene glycol dinitrate	++++ 22.530	++++ 21.415	24.850 19.432	22.220 16.105	Ave		21.0920000				14.0		20.0			
1,3-Dinitrobenzene	116.60 101.54	111.70 99.195	107.55 90.810	101.82 73.865	Ave		100.385000				13.0		20.0			
1,3,5-Trinitrobenzene	89.800 78.710	86.800 77.705	82.350 73.146	78.660 62.902	Ave		78.7591250				11.0		20.0			
2-Nitrotoluene	69.400 59.540	64.900 58.370	62.050 53.264	58.720 ++++	Ave		60.8920000				8.5		20.0			
4-Nitrotoluene	69.400 59.540	64.900 58.370	62.050 53.264	58.720 ++++	Ave		60.8920000				8.5		20.0			
3-Nitrotoluene	48.600 38.990	43.000 38.320	41.150 35.354	38.240	Ave		40.5220000				11.0		20.0			
3,5-Dinitroaniline	93.000 79.640	88.100 78.470	84.950 72.796	80.000 60.329	Ave		79.6606250				13.0		20.0			
RDX	58.000 46.850	51.800 45.810	49.950 42.648	46.880 35.987	Ave		47.2406250				14.0		20.0			
2,4-Dinitrotoluene	110.80 90.950	101.90 89.515	96.400 84.300	90.960 71.751	Ave		92.0720000				13.0		20.0			
2,6-Dinitrotoluene	64.200 53.720	60.800 53.020	56.800 49.932	53.680 42.712	Ave		54.3580000				12.0		20.0			
2-Amino-4,6-dinitrotoluene	98.000 73.810	81.500 72.935	78.000 69.376	73.920 59.533	Ave		75.8842500				15.0		20.0			
4-Amino-2,6-dinitrotoluene	75.600 61.640	69.800 61.325	64.550 58.766	61.960 51.500	Ave		63.1426250				11.0		20.0			
2,4,6-Trinitrotoluene	79.400 73.430	79.400 73.045	76.100 71.404	72.420 65.557	Ave		73.8445000				6.1		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 CURVE EVALUATION

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1 Analy Batch No.: 4221

SDG No.: _____

Instrument ID: LC12 GC Column: Zorbax CN ID: 4.6 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/01/2012 12:30 Calibration End Date: 10/01/2012 20:08 Calibration ID: 1330

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	71.600 60.610	69.700 60.315	63.300 59.062	61.020 53.842	Ave		62.4311250				9.2		20.0			
Nitroglycerin	+++++ 86.810	+++++ 86.870	94.150 85.430	87.360 78.528	Ave		86.5246667				5.8		20.0			
Tetryl	128.00 114.53	124.90 114.50	118.50 114.33	113.80 107.97	Ave		117.066375				5.6		20.0			
PETN	+++++ 152.19	+++++ 150.21	155.05 151.75	149.94 150.08	Ave		151.536167				1.3		20.0			
3,4-Dinitrotoluene	61.800 46.460	53.200 45.165	49.750 44.800	45.940 39.392	Ave		48.3133750				14.0		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 West Sacramento Job No.: 240-17525-1 Analy Batch No.: 4221

SDG No.: _____

Instrument ID: LC12 GC Column: Zorbax CN ID: 4.6 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/01/2012 12:30 Calibration End Date: 10/01/2012 20:08 Calibration ID: 1330

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 320-4221/2	C-000004.D
Level 2	STD02 320-4221/3	C-000005.D
Level 3	STD03 320-4221/4	C-000006.D
Level 4	STD04 320-4221/5	C-000007.D
Level 5	STD05 320-4221/6	C-000008.D
Level 6	STD06 320-4221/7	C-000009.D
Level 7	STD07 320-4221/8	C-000010.D
Level 8	STD08 320-4221/9	C-000011.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
Nitrobenzene	Ave	274 9074	507 20069	970 31779	2330	4689	5.00 200	10.0 500	20.0 1000	50.0	100
Ethylene glycol dinitrate	Ave	++++ 4283	++++ 9716	497 16105	1111	2253	++++ 200	++++ 500	20.0 1000	50.0	100
1,3-Dinitrobenzene	Ave	583 19839	1117 45405	2151 73865	5091	10154	5.00 200	10.0 500	20.0 1000	50.0	100
1,3,5-Trinitrobenzene	Ave	449 15541	868 36573	1647 62902	3933	7871	5.00 200	10.0 500	20.0 1000	50.0	100
2-Nitrotoluene	Ave	347 11674	649 26632	1241 ++++	2936	5954	5.00 200	10.0 500	20.0 ++++	50.0	100
4-Nitrotoluene	Ave	347 11674	649 26632	1241 ++++	2936	5954	5.00 200	10.0 500	20.0 ++++	50.0	100
3-Nitrotoluene	Ave	243 7664	430 17677	823	1912	3899	5.00 200	10.0 500	20.0	50.0	100
3,5-Dinitroaniline	Ave	465 15694	881 36398	1699 60329	4000	7964	5.00 200	10.0 500	20.0 1000	50.0	100
RDX	Ave	290 9162	518 21324	999 35987	2344	4685	5.00 200	10.0 500	20.0 1000	50.0	100
2,4-Dinitrotoluene	Ave	554 17903	1019 42150	1928 71751	4548	9095	5.00 200	10.0 500	20.0 1000	50.0	100
2,6-Dinitrotoluene	Ave	321 10604	608 24966	1136 42712	2684	5372	5.00 200	10.0 500	20.0 1000	50.0	100
2-Amino-4,6-dinitrotoluene	Ave	490 14587	815 34688	1560 59533	3696	7381	5.00 200	10.0 500	20.0 1000	50.0	100
4-Amino-2,6-dinitrotoluene	Ave	378 12265	698 29383	1291 51500	3098	6164	5.00 200	10.0 500	20.0 1000	50.0	100
2,4,6-Trinitrotoluene	Ave	397 14609	794 35702	1522 65557	3621	7343	5.00 200	10.0 500	20.0 1000	50.0	100
HMX	Ave	358 12063	697 29531	1266 53842	3051	6061	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 West Sacramento Job No.: 240-17525-1 Analy Batch No.: 4221

SDG No.: _____

Instrument ID: LC12 GC Column: Zorbax CN ID: 4.6 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/01/2012 12:30 Calibration End Date: 10/01/2012 20:08 Calibration ID: 1330

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
Nitroglycerin	Ave	+++++ 17374	+++++ 42715	1883 78528	4368	8681	+++++ 200	+++++ 500	20.0 1000	50.0	100
Tetryl	Ave	640 22900	1249 57167	2370 107967	5690	11453	5.00 200	10.0 500	20.0 1000	50.0	100
PETN	Ave	+++++ 30042	+++++ 75876	3101 150075	7497	15219	+++++ 200	+++++ 500	20.0 1000	50.0	100
3,4-Dinitrotoluene	Ave	309 9033	532 13440	995 19696	2297	4646	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\LC12\20121001-975.b\C-000004.D
 Lims ID: STD01 Client ID:
 Inject. Date: 01-Oct-2012 12:30:50 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 1
 Sample ID: HP8330L1_00004 5ng/mL;1;320-0000975-002
 Misc. Info.:
 Operator: RN Instrument ID: LC12
 Injection Vol: 500.0 ul ALS Bottle#: 11
 Lims Batch ID: 4221 Lims Sample ID: 2
 Sublist: chrom-LC12_Conf_8330*sub1
 Method: \\SACChrom\ChromData\LC12\20121001-975.b\LC12_Conf_8330.m
 Last Update: 02-Oct-2012 13:09:27 Calib Date: 01-Oct-2012 20:08:22
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC12\20121001-975.b\C-000011.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Zorbax Cyano CN Column Dia: 4.60 mm
 Process Host: XAWRK005

First Level Reviewer: noonanr

Date: 02-Oct-2012 08:00:41

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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5 Nitrobenzene						
1	21.445	21.445	0.0	274	6.01	
3 Ethylene glycol dinitrate						
2	22.385	22.389	-0.004	212	10.1	
24 1,3-Dinitrobenzene						
1	24.385	24.385	0.0	583	5.81	
27 1,3,5-Trinitrobenzene						
1	26.912	26.889	0.023	449	5.70	
16 o-Nitrotoluene						
1	28.422	28.462	-0.040	347	5.70	
15 p-Nitrotoluene						
1	28.422	28.462	-0.040	347	5.70	
8 m-Nitrotoluene						
1	29.035	29.032	0.003	243	6.00	
9 3,5-Dinitroaniline						
1	30.502	30.525	-0.023	465	5.84	
19 RDX						
1	31.199	31.189	0.010	290	6.14	
23 2,4-Dinitrotoluene						
1	32.099	32.099	0.0	554	6.02	
12 2,6-Dinitrotoluene						
1	33.079	33.075	0.004	321	5.91	
6 2-Amino-4,6-dinitrotoluene						
1	35.235	35.265	-0.030	490	6.46	
26 4-Amino-2,6-dinitrotoluene						
1	35.829	35.849	-0.020	378	5.99	
\$ 30 3,4-Dinitrotoluene						
1	37.689	37.675	0.014	309	6.40	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
25 2,4,6-Trinitrotoluene						
1	39.622	39.615	0.007	397	5.38	
11 HMX						
1	41.772	41.802	-0.030	358	5.73	
7 Nitroglycerin						
2	44.162	44.185	-0.023	528	6.10	
20 Tetryl						
1	45.955	45.985	-0.030	640	5.47	
21 PETN						
2	52.649	52.672	-0.023	841	5.55	

Report Date: 02-Oct-2012 13:09:28

Chrom Revision: 2.1 28-Sep-2012 12:22:52

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC12\20121001-975.b\IC-000004.D

Injection Date: 01-Oct-2012 12:30:50

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC12

Lims Batch ID: 4221

Lims Sample ID: 2

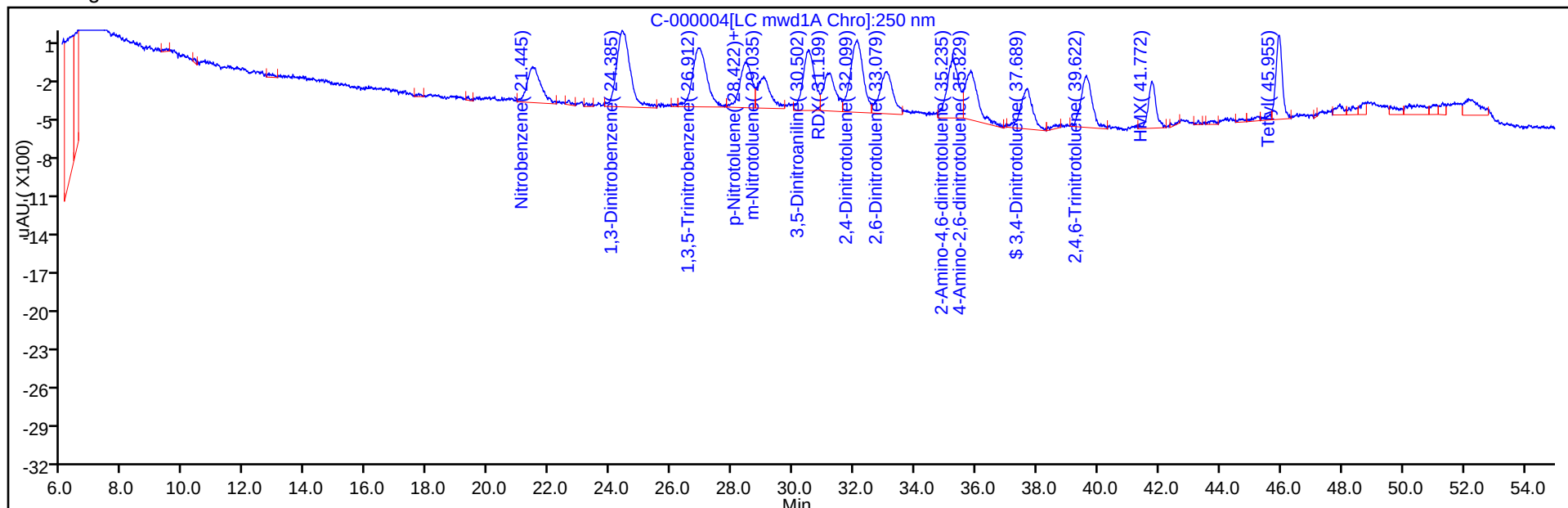
Operator ID: RN

Injection Vol: 500.0 ul

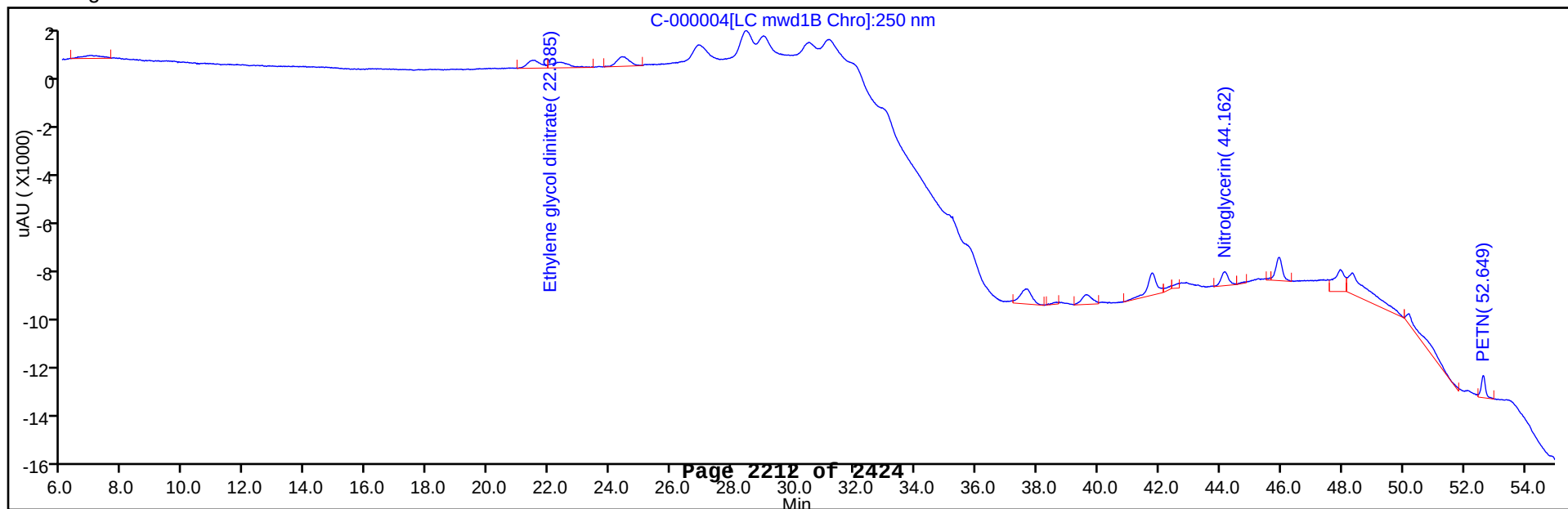
Column Type: Zorbax Cyano CN

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC12\20121001-975.b\C-000005.D
 Lims ID: STD02 Client ID:
 Inject. Date: 01-Oct-2012 13:36:10 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 2
 Sample ID: HP8330L2_00003 10ng/mL;1;320-0000975-003
 Misc. Info.:
 Operator: RN Instrument ID: LC12
 Injection Vol: 500.0 ul ALS Bottle#: 12
 Lims Batch ID: 4221 Lims Sample ID: 3
 Sublist: chrom-LC12_Conf_8330*sub1
 Method: \\SACChrom\ChromData\LC12\20121001-975.b\LC12_Conf_8330.m
 Last Update: 02-Oct-2012 13:09:28 Calib Date: 01-Oct-2012 20:08:22
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC12\20121001-975.b\C-000011.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Zorbax Cyano CN Column Dia: 4.60 mm
 Process Host: XAWRK005

First Level Reviewer: noonanr

Date: 02-Oct-2012 08:00:50

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
5 Nitrobenzene						
1	21.475	21.445	0.030	507	11.1	
3 Ethylene glycol dinitrate						
2	22.352	22.389	-0.037	295	14.0	
24 1,3-Dinitrobenzene						
1	24.365	24.385	-0.020	1117	11.1	
27 1,3,5-Trinitrobenzene						
1	26.898	26.889	0.009	868	11.0	
16 o-Nitrotoluene						
1	28.458	28.462	-0.004	649	10.7	
15 p-Nitrotoluene						
1	28.458	28.462	-0.004	649	10.7	
8 m-Nitrotoluene						
1	29.018	29.032	-0.014	430	10.6	
9 3,5-Dinitroaniline						
1	30.518	30.525	-0.007	881	11.1	
19 RDX						
1	31.168	31.189	-0.021	518	11.0	
23 2,4-Dinitrotoluene						
1	32.095	32.099	-0.004	1019	11.1	
12 2,6-Dinitrotoluene						
1	33.078	33.075	0.003	608	11.2	
6 2-Amino-4,6-dinitrotoluene						
1	35.242	35.265	-0.023	815	10.7	
26 4-Amino-2,6-dinitrotoluene						
1	35.835	35.849	-0.014	698	11.1	
\$ 30 3,4-Dinitrotoluene						
1	37.632	37.675	-0.043	532	11.0	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
25 2,4,6-Trinitrotoluene						
1	39.598	39.615	-0.017	794	10.8	
11 HMX						
1	41.778	41.802	-0.024	697	11.2	
7 Nitroglycerin						
2	44.145	44.185	-0.040	984	11.4	
20 Tetryl						
1	45.932	45.985	-0.053	1249	10.7	
21 PETN						
2	52.638	52.672	-0.034	1595	10.5	

Report Date: 02-Oct-2012 13:09:29

Chrom Revision: 2.1 28-Sep-2012 12:22:52

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC12\20121001-975.b\IC-000005.D

Injection Date: 01-Oct-2012 13:36:10

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC12

Lims Batch ID: 4221

Lims Sample ID: 3

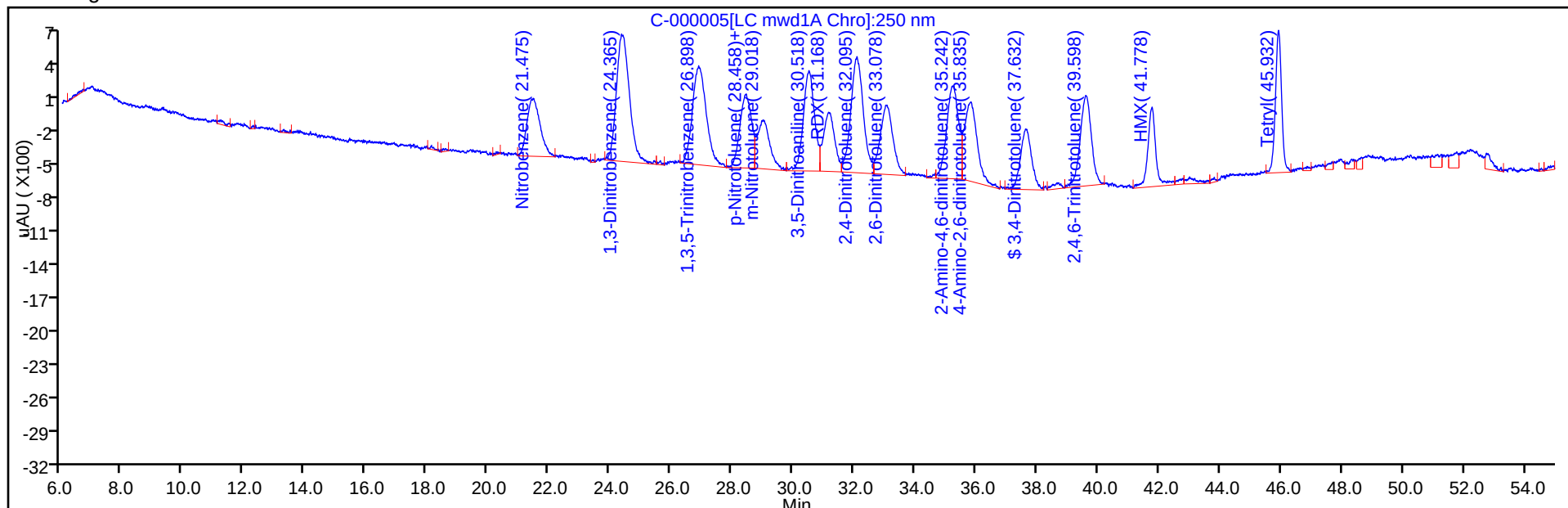
Operator ID: RN

Injection Vol: 500.0 ul

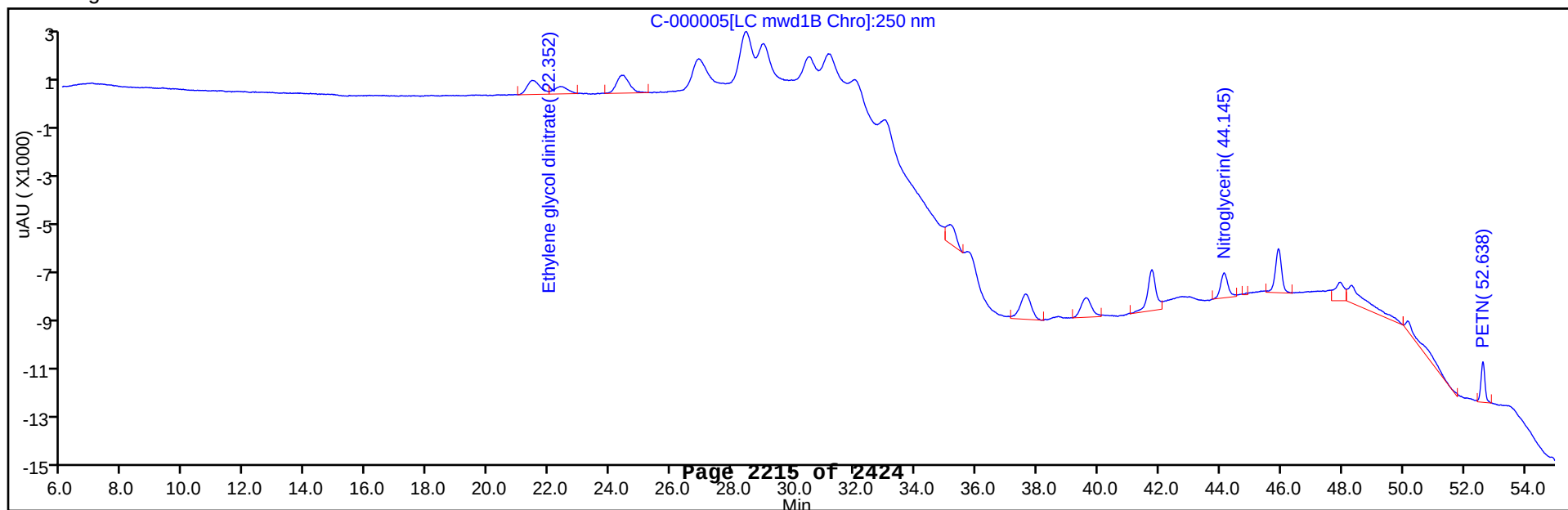
Column Type: Zorbax Cyano CN

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC12\20121001-975.b\C-000006.D
 Lims ID: STD03 Client ID:
 Inject. Date: 01-Oct-2012 14:41:28 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 3
 Sample ID: HP8330L3_00003 20ng/mL;1;320-0000975-004
 Misc. Info.:
 Operator: RN Instrument ID: LC12
 Injection Vol: 500.0 ul ALS Bottle#: 13
 Lims Batch ID: 4221 Lims Sample ID: 4
 Sublist: chrom-LC12_Conf_8330*sub1
 Method: \\SACChrom\ChromData\LC12\20121001-975.b\LC12_Conf_8330.m
 Last Update: 02-Oct-2012 13:09:29 Calib Date: 01-Oct-2012 20:08:22
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC12\20121001-975.b\C-000011.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Zorbax Cyano CN Column Dia: 4.60 mm
 Process Host: XAWRK005

First Level Reviewer: noonanr

Date: 02-Oct-2012 08:00:57

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
5 Nitrobenzene						
1	21.441	21.445	-0.004	970	21.3	
3 Ethylene glycol dinitrate						
2	22.331	22.389	-0.058	497	23.6	
24 1,3-Dinitrobenzene						
1	24.371	24.385	-0.014	2151	21.4	
27 1,3,5-Trinitrobenzene						
1	26.881	26.889	-0.008	1647	20.9	
16 o-Nitrotoluene						
1	28.421	28.462	-0.041	1241	20.4	
15 p-Nitrotoluene						
1	28.421	28.462	-0.041	1241	20.4	
8 m-Nitrotoluene						
1	28.985	29.032	-0.047	823	20.3	
9 3,5-Dinitroaniline						
1	30.471	30.525	-0.054	1699	21.3	
19 RDX						
1	31.141	31.189	-0.048	999	21.1	
23 2,4-Dinitrotoluene						
1	32.058	32.099	-0.041	1928	20.9	
12 2,6-Dinitrotoluene						
1	33.008	33.075	-0.067	1136	20.9	
6 2-Amino-4,6-dinitrotoluene						
1	35.205	35.265	-0.060	1560	20.6	
26 4-Amino-2,6-dinitrotoluene						
1	35.761	35.849	-0.088	1291	20.4	
\$ 30 3,4-Dinitrotoluene						
1	37.618	37.675	-0.057	995	20.6	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
25 2,4,6-Trinitrotoluene						
1	39.571	39.615	-0.044	1522	20.6	
11 HMX						
1	41.738	41.802	-0.064	1266	20.3	
7 Nitroglycerin						
2	44.121	44.185	-0.064	1883	21.8	
20 Tetryl						
1	45.908	45.985	-0.077	2370	20.2	
21 PETN						
2	52.631	52.672	-0.041	3101	20.5	

Report Date: 02-Oct-2012 13:09:30

Chrom Revision: 2.1 28-Sep-2012 12:22:52

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC12\20121001-975.b\IC-000006.D

Injection Date: 01-Oct-2012 14:41:28

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC12

Lims Batch ID: 4221

Lims Sample ID: 4

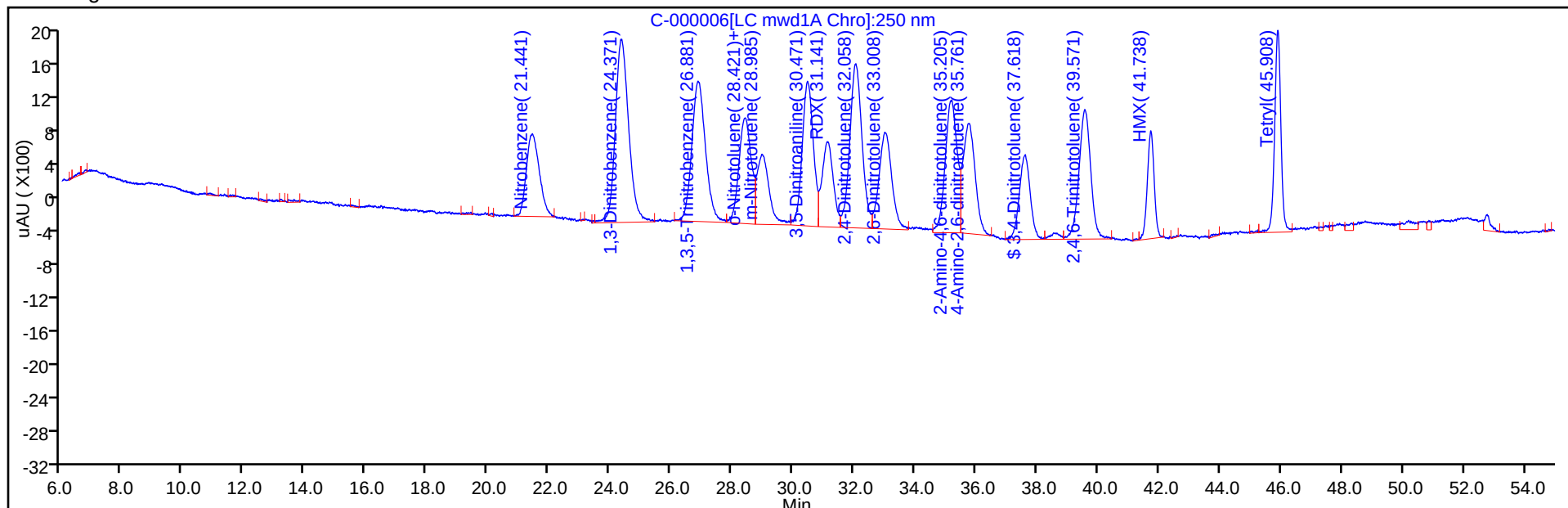
Operator ID: RN

Injection Vol: 500.0 ul

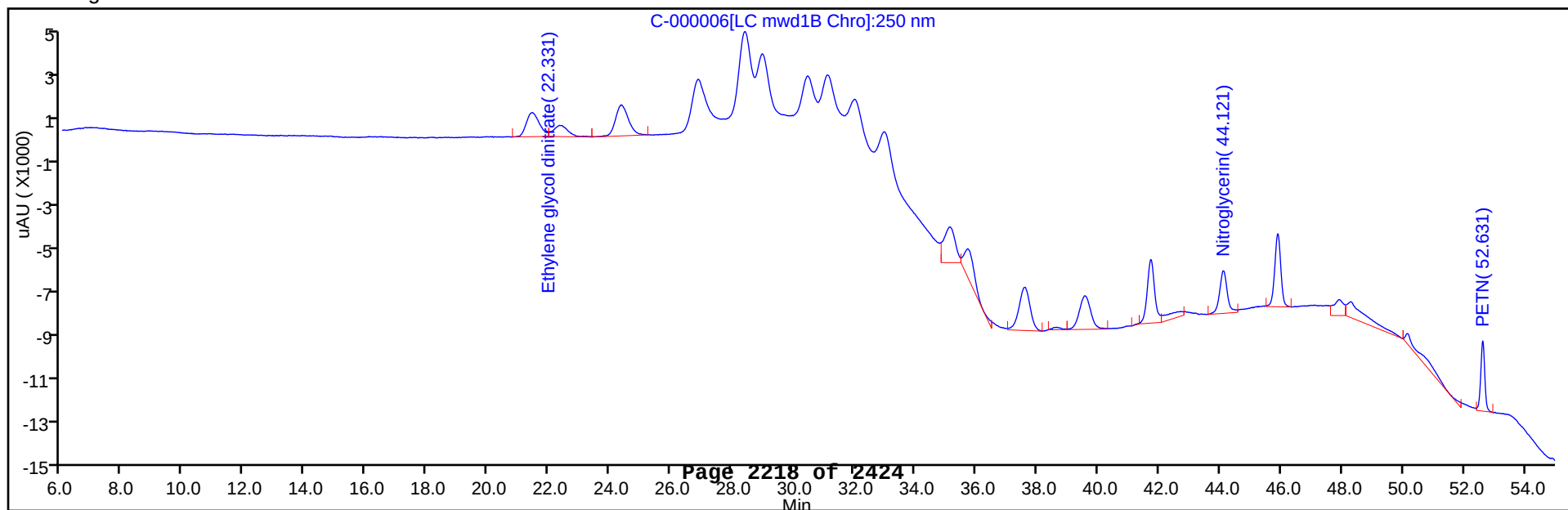
Column Type: Zorbax Cyano CN

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC12\20121001-975.b\C-000007.D
 Lims ID: STD04 Client ID:
 Inject. Date: 01-Oct-2012 15:46:48 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 4
 Sample ID: HP8330L4_00003 50ng/mL;1;320-0000975-005
 Misc. Info.:
 Operator: RN Instrument ID: LC12
 Injection Vol: 500.0 ul ALS Bottle#: 14
 Lims Batch ID: 4221 Lims Sample ID: 5
 Sublist: chrom-LC12_Conf_8330*sub1
 Method: \\SACChrom\ChromData\LC12\20121001-975.b\LC12_Conf_8330.m
 Last Update: 02-Oct-2012 13:09:30 Calib Date: 01-Oct-2012 20:08:22
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC12\20121001-975.b\C-000011.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Zorbax Cyano CN Column Dia: 4.60 mm
 Process Host: XAWRK005

First Level Reviewer: noonanr

Date: 02-Oct-2012 08:01:04

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
5 Nitrobenzene						
1	21.416	21.445	-0.029	2330	51.1	
3 Ethylene glycol dinitrate						
2	22.363	22.389	-0.026	1111	52.7	
24 1,3-Dinitrobenzene						
1	24.346	24.385	-0.039	5091	50.7	
27 1,3,5-Trinitrobenzene						
1	26.863	26.889	-0.026	3933	49.9	
16 o-Nitrotoluene						
1	28.406	28.462	-0.056	2936	48.2	
15 p-Nitrotoluene						
1	28.406	28.462	-0.056	2936	48.2	
8 m-Nitrotoluene						
1	28.979	29.032	-0.053	1912	47.2	
9 3,5-Dinitroaniline						
1	30.463	30.525	-0.062	4000	50.2	
19 RDX						
1	31.126	31.189	-0.063	2344	49.6	
23 2,4-Dinitrotoluene						
1	32.039	32.099	-0.060	4548	49.4	
12 2,6-Dinitrotoluene						
1	33.016	33.075	-0.059	2684	49.4	
6 2-Amino-4,6-dinitrotoluene						
1	35.183	35.265	-0.082	3696	48.7	
26 4-Amino-2,6-dinitrotoluene						
1	35.766	35.849	-0.083	3098	49.1	
\$ 30 3,4-Dinitrotoluene						
1	37.606	37.675	-0.069	2297	47.5	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
25 2,4,6-Trinitrotoluene						
1	39.556	39.615	-0.059	3621	49.0	
11 HMX						
1	41.746	41.802	-0.056	3051	48.9	
7 Nitroglycerin						
2	44.129	44.185	-0.056	4368	50.5	
20 Tetryl						
1	45.922	45.985	-0.063	5690	48.6	
21 PETN						
2	52.626	52.672	-0.046	7497	49.5	

Report Date: 02-Oct-2012 13:09:31

Chrom Revision: 2.1 28-Sep-2012 12:22:52

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC12\20121001-975.b\IC-000007.D

Injection Date: 01-Oct-2012 15:46:48

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC12

Lims Batch ID: 4221

Lims Sample ID: 5

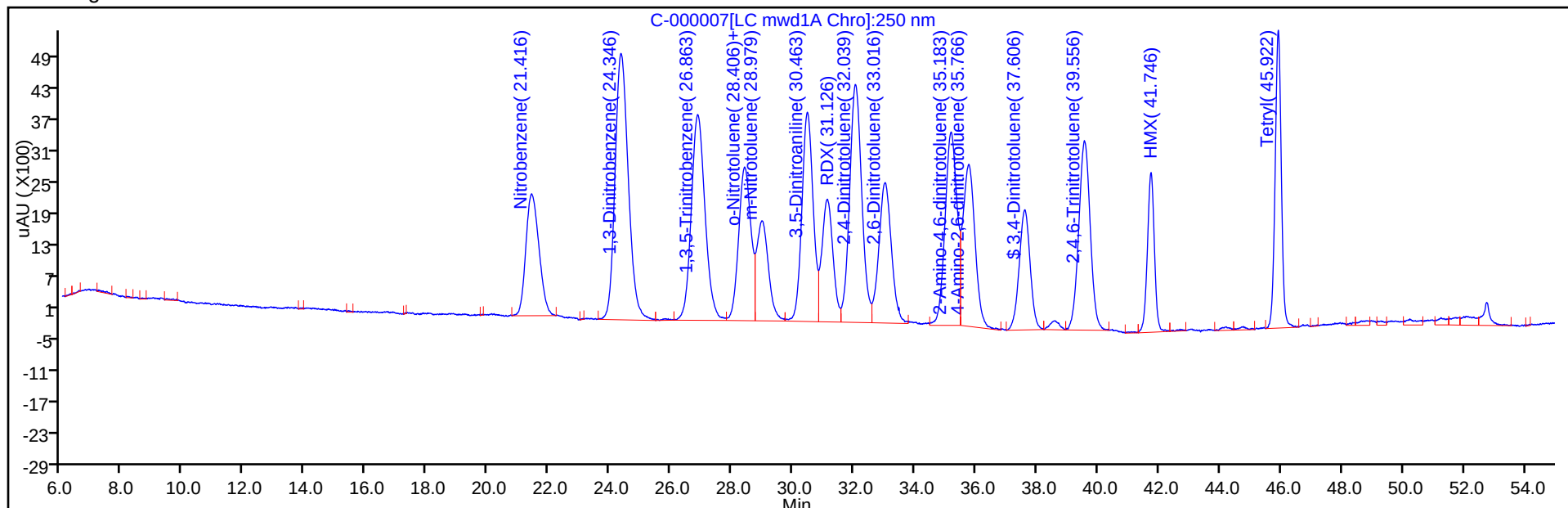
Operator ID: RN

Injection Vol: 500.0 ul

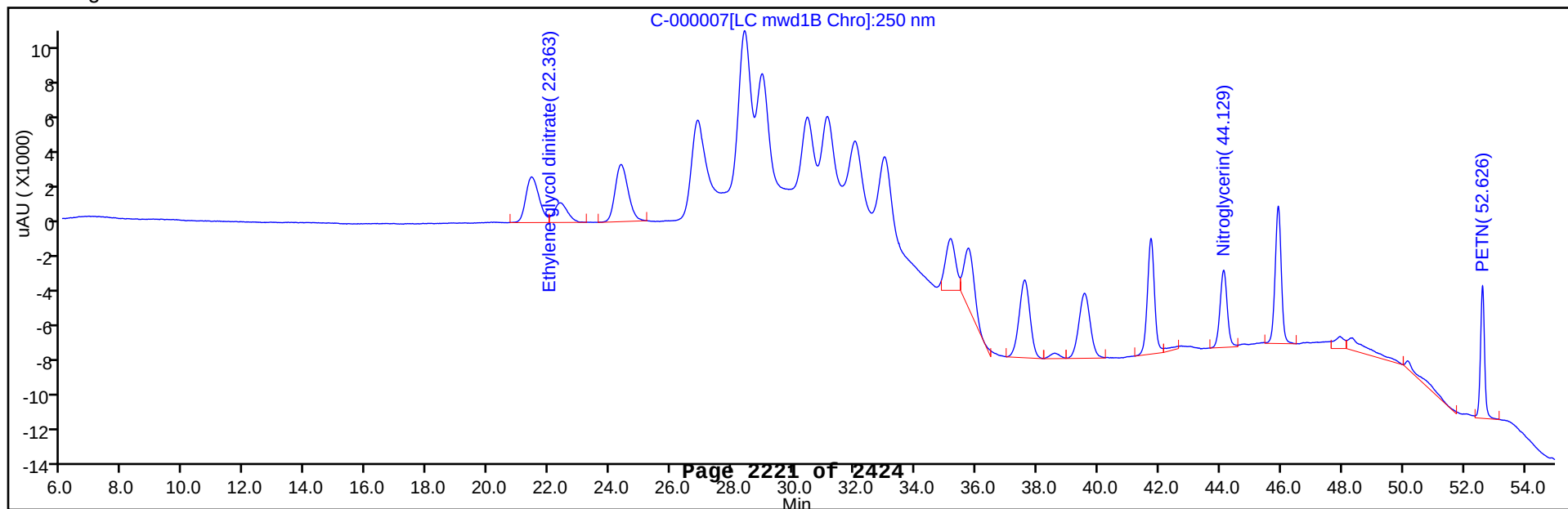
Column Type: Zorbax Cyano CN

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC12\20121001-975.b\C-000008.D
 Lims ID: STD05 Client ID:
 Inject. Date: 01-Oct-2012 16:52:25 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 5
 Sample ID: HP8330L5_00004 ;1;320-0000975-006
 Misc. Info.:
 Operator: RN Instrument ID: LC12
 Injection Vol: 500.0 ul ALS Bottle#: 15
 Lims Batch ID: 4221 Lims Sample ID: 6
 Sublist: chrom-LC12_Conf_8330*sub1
 Method: \\SACChrom\ChromData\LC12\20121001-975.b\LC12_Conf_8330.m
 Last Update: 02-Oct-2012 13:09:31 Calib Date: 01-Oct-2012 20:08:22
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC12\20121001-975.b\C-000011.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Zorbax Cyano CN Column Dia: 4.60 mm
 Process Host: XAWRK005

First Level Reviewer: noonanr

Date: 02-Oct-2012 08:01:11

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
5 Nitrobenzene						
1	21.424	21.424	0.0	4689	102.8	
3 Ethylene glycol dinitrate						
2	22.354	22.354	0.0	2253	106.8	
24 1,3-Dinitrobenzene						
1	24.360	24.360	0.0	10154	101.2	
27 1,3,5-Trinitrobenzene						
1	26.877	26.877	0.0	7871	99.9	
16 o-Nitrotoluene						
1	28.430	28.430	0.0	5954	97.8	
15 p-Nitrotoluene						
1	28.430	28.430	0.0	5954	97.8	
8 m-Nitrotoluene						
1	28.994	28.994	0.0	3899	96.2	
9 3,5-Dinitroaniline						
1	30.480	30.480	0.0	7964	100.0	
19 RDX						
1	31.134	31.134	0.0	4685	99.2	
23 2,4-Dinitrotoluene						
1	32.060	32.060	0.0	9095	98.8	
12 2,6-Dinitrotoluene						
1	33.030	33.030	0.0	5372	98.8	
6 2-Amino-4,6-dinitrotoluene						
1	35.194	35.194	0.0	7381	97.3	
26 4-Amino-2,6-dinitrotoluene						
1	35.774	35.774	0.0	6164	97.6	
\$ 30 3,4-Dinitrotoluene						
1	37.604	37.604	0.0	4646	96.2	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
25 2,4,6-Trinitrotoluene						
1	39.560	39.560	0.0	7343	99.4	
11 HMX						
1	41.740	41.740	0.0	6061	97.1	
7 Nitroglycerin						
2	44.130	44.130	0.0	8681	100.3	
20 Tetryl						
1	45.920	45.920	0.0	11453	97.8	
21 PETN						
2	52.630	52.630	0.0	15219	100.4	

Report Date: 02-Oct-2012 13:09:32

Chrom Revision: 2.1 28-Sep-2012 12:22:52

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC12\20121001-975.b\IC-000008.D

Injection Date: 01-Oct-2012 16:52:25

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC12

Lims Batch ID: 4221

Lims Sample ID: 6

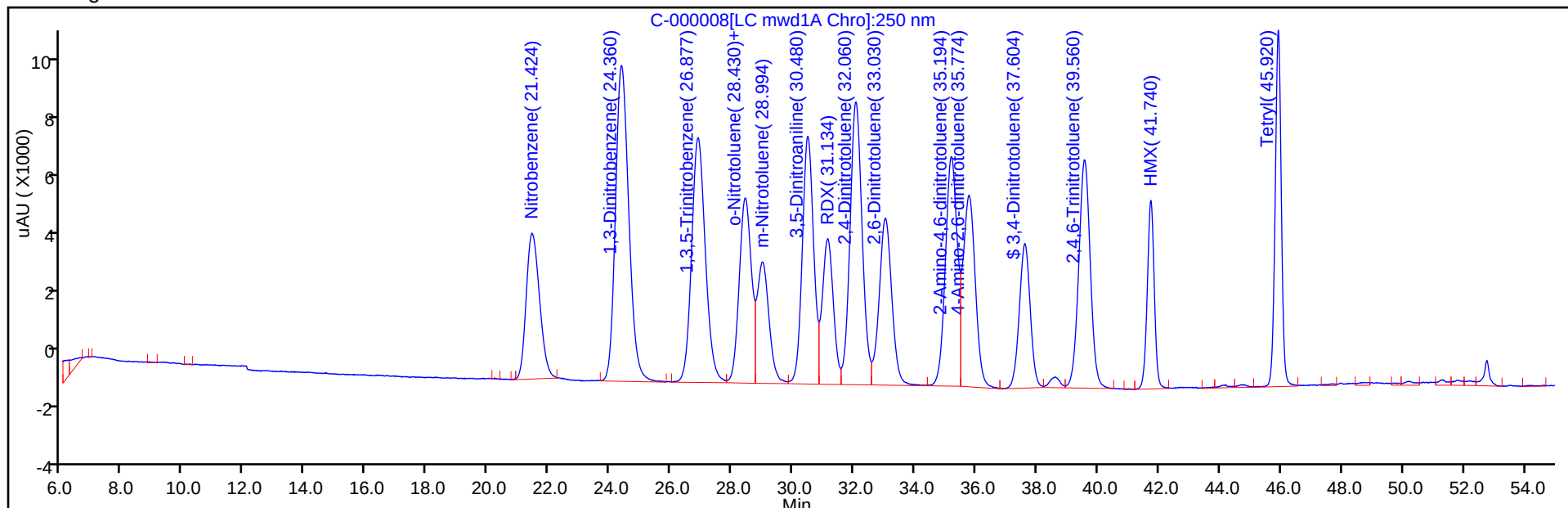
Operator ID: RN

Injection Vol: 500.0 ul

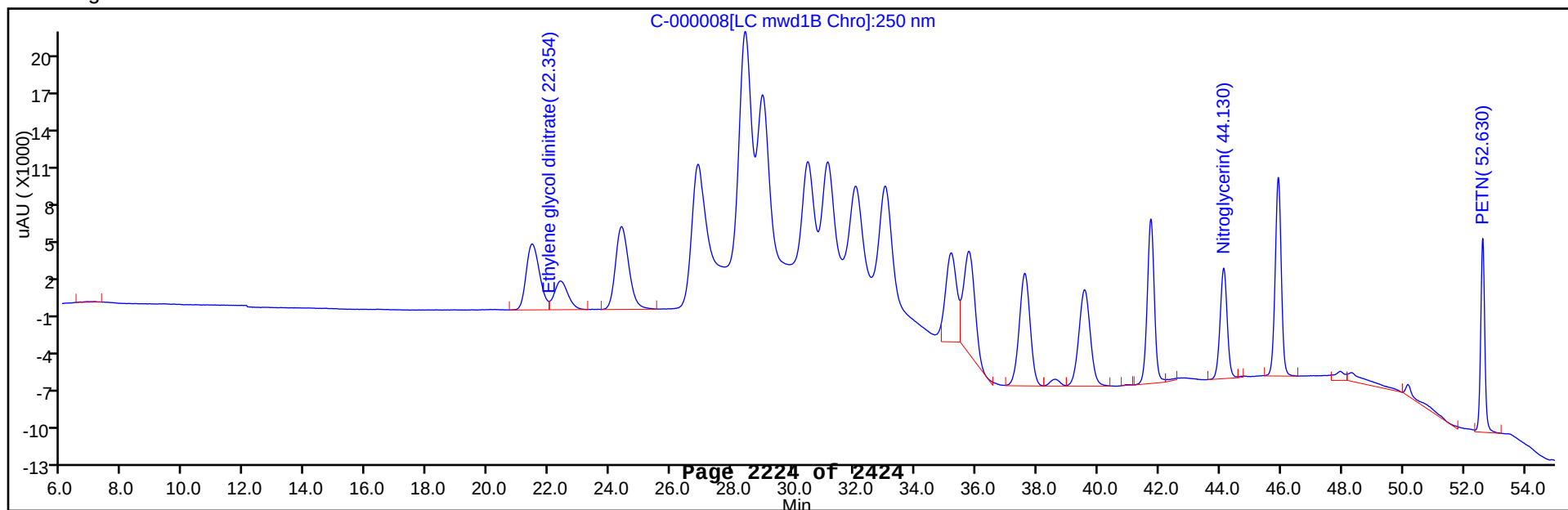
Column Type: Zorbax Cyano CN

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC12\20121001-975.b\C-000009.D
 Lims ID: STD06 Client ID:
 Inject. Date: 01-Oct-2012 17:57:45 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 6
 Sample ID: HP8330L6_00004 ;1;320-0000975-007
 Misc. Info.:
 Operator: RN Instrument ID: LC12
 Injection Vol: 500.0 ul ALS Bottle#: 16
 Lims Batch ID: 4221 Lims Sample ID: 7
 Sublist: chrom-LC12_Conf_8330*sub1
 Method: \\SACChrom\ChromData\LC12\20121001-975.b\LC12_Conf_8330.m
 Last Update: 02-Oct-2012 13:09:32 Calib Date: 01-Oct-2012 20:08:22
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC12\20121001-975.b\C-000011.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Zorbax Cyano CN Column Dia: 4.60 mm
 Process Host: XAWRK005

First Level Reviewer: noonanr

Date: 02-Oct-2012 08:01:18

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
5 Nitrobenzene						
1	21.418	21.424	-0.006	9074	199.0	
3 Ethylene glycol dinitrate						
2	22.341	22.354	-0.013	4283	203.1	
24 1,3-Dinitrobenzene						
1	24.341	24.360	-0.019	19839	197.6	
27 1,3,5-Trinitrobenzene						
1	26.851	26.877	-0.026	15541	197.3	
16 o-Nitrotoluene						
1	28.398	28.430	-0.032	11674	191.7	
15 p-Nitrotoluene						
1	28.398	28.430	-0.032	11674	191.7	
8 m-Nitrotoluene						
1	28.958	28.994	-0.036	7664	189.1	
9 3,5-Dinitroaniline						
1	30.451	30.480	-0.029	15694	197.0	
19 RDX						
1	31.105	31.134	-0.029	9162	193.9	
23 2,4-Dinitrotoluene						
1	32.025	32.060	-0.035	17903	194.4	
12 2,6-Dinitrotoluene						
1	32.991	33.030	-0.039	10604	195.1	
6 2-Amino-4,6-dinitrotoluene						
1	35.158	35.194	-0.036	14587	192.2	
26 4-Amino-2,6-dinitrotoluene						
1	35.731	35.774	-0.043	12265	194.2	
\$ 30 3,4-Dinitrotoluene						
1	37.571	37.604	-0.033	9033	187.0	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
25 2,4,6-Trinitrotoluene						
1	39.538	39.560	-0.022	14609	197.8	
11 HMX						
1	41.715	41.740	-0.025	12063	193.2	
7 Nitroglycerin						
2	44.108	44.130	-0.022	17374	200.8	
20 Tetryl						
1	45.905	45.920	-0.015	22900	195.6	
21 PETN						
2	52.628	52.630	-0.002	30042	198.2	

Report Date: 02-Oct-2012 13:09:33

Chrom Revision: 2.1 28-Sep-2012 12:22:52

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC12\20121001-975.b\IC-000009.D

Injection Date: 01-Oct-2012 17:57:45

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC12

Lims Batch ID: 4221

Lims Sample ID: 7

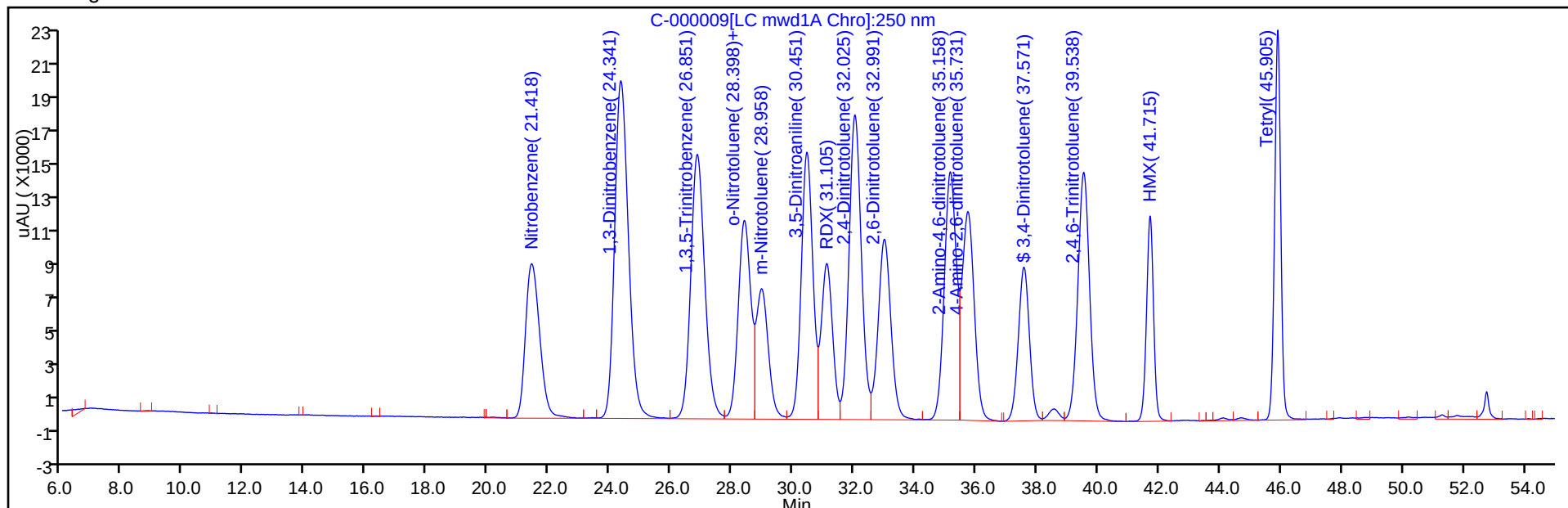
Operator ID: RN

Injection Vol: 500.0 ul

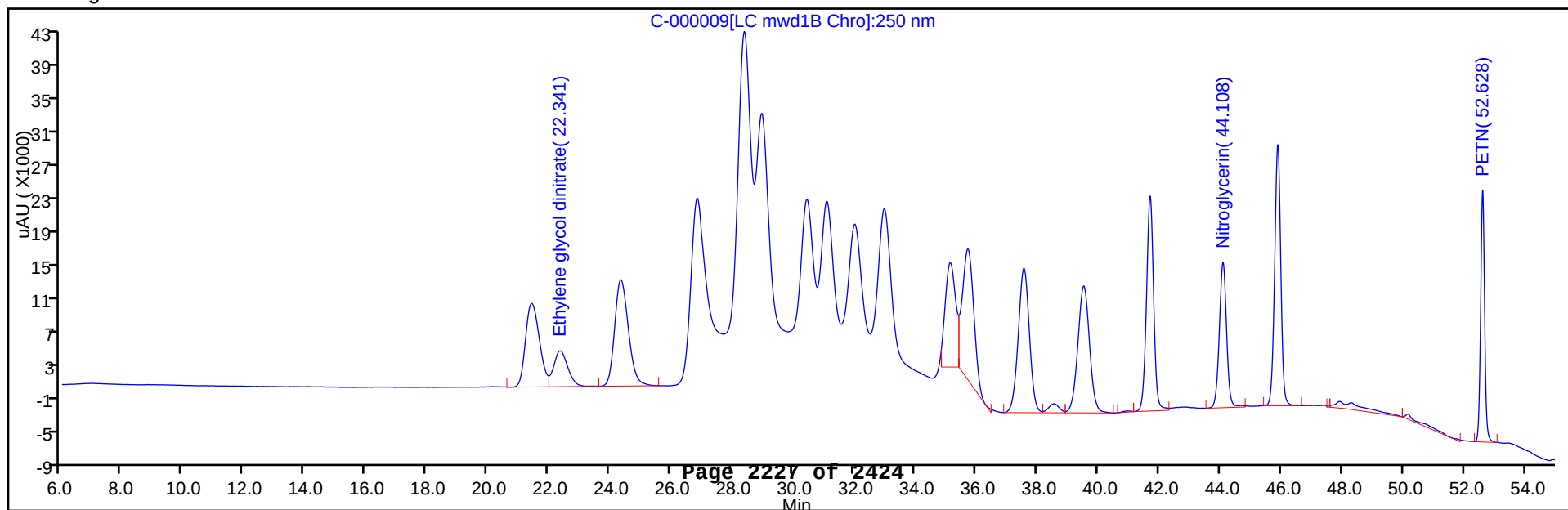
Column Type: Zorbax Cyano CN

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC12\20121001-975.b\C-000010.D
 Lims ID: STD07 Client ID:
 Inject. Date: 01-Oct-2012 19:03:03 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 7
 Sample ID: HP8330L7_00003 ;1;320-0000975-008
 Misc. Info.:
 Operator: RN Instrument ID: LC12
 Injection Vol: 500.0 ul ALS Bottle#: 17
 Lims Batch ID: 4221 Lims Sample ID: 8
 Sublist: chrom-LC12_Conf_8330*sub1
 Method: \\SACChrom\ChromData\LC12\20121001-975.b\LC12_Conf_8330.m
 Last Update: 02-Oct-2012 13:09:33 Calib Date: 01-Oct-2012 20:08:22
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC12\20121001-975.b\C-000011.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Zorbax Cyano CN Column Dia: 4.60 mm
 Process Host: XAWRK005

First Level Reviewer: noonanr

Date: 02-Oct-2012 08:01:31

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
5 Nitrobenzene						
1	21.377	21.424	-0.047	20069	440.1	
3 Ethylene glycol dinitrate						
2	22.310	22.354	-0.044	9716	460.6	
24 1,3-Dinitrobenzene						
1	24.310	24.360	-0.050	45405	452.3	
27 1,3,5-Trinitrobenzene						
1	26.824	26.877	-0.053	36573	464.4	
16 o-Nitrotoluene						
1	28.384	28.430	-0.046	26632	437.4	
15 p-Nitrotoluene						
1	28.384	28.430	-0.046	26632	437.4	
8 m-Nitrotoluene						
1	28.934	28.994	-0.060	17677	436.2	
9 3,5-Dinitroaniline						
1	30.440	30.480	-0.040	36398	456.9	
19 RDX						
1	31.094	31.134	-0.040	21324	451.4	
23 2,4-Dinitrotoluene						
1	32.017	32.060	-0.043	42150	457.8	
12 2,6-Dinitrotoluene						
1	32.990	33.030	-0.040	24966	459.3	
6 2-Amino-4,6-dinitrotoluene						
1	35.164	35.194	-0.030	34688	457.1	
26 4-Amino-2,6-dinitrotoluene						
1	35.734	35.774	-0.040	29383	465.3	
\$ 30 3,4-Dinitrotoluene						
1	37.577	37.604	-0.027	13440	278.2	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
25 2,4,6-Trinitrotoluene						
1	39.544	39.560	-0.016	35702	483.5	
11 HMX						
1	41.727	41.740	-0.013	29531	473.0	
7 Nitroglycerin						
2	44.117	44.130	-0.013	42715	493.7	
20 Tetryl						
1	45.910	45.920	-0.010	57167	488.3	
21 PETN						
2	52.630	52.630	0.0	75876	500.7	

Report Date: 02-Oct-2012 13:09:34

Chrom Revision: 2.1 28-Sep-2012 12:22:52

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC12\20121001-975.b\IC-000010.D

Injection Date: 01-Oct-2012 19:03:03

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC12

Lims Batch ID: 4221

Lims Sample ID: 8

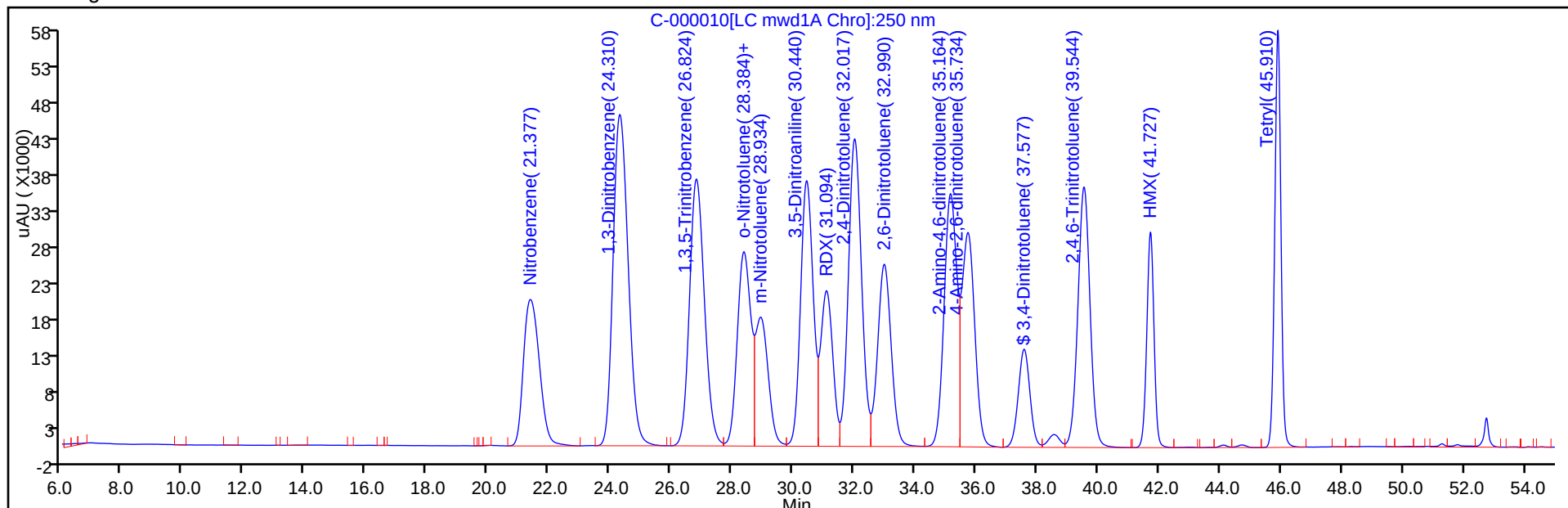
Operator ID: RN

Injection Vol: 500.0 ul

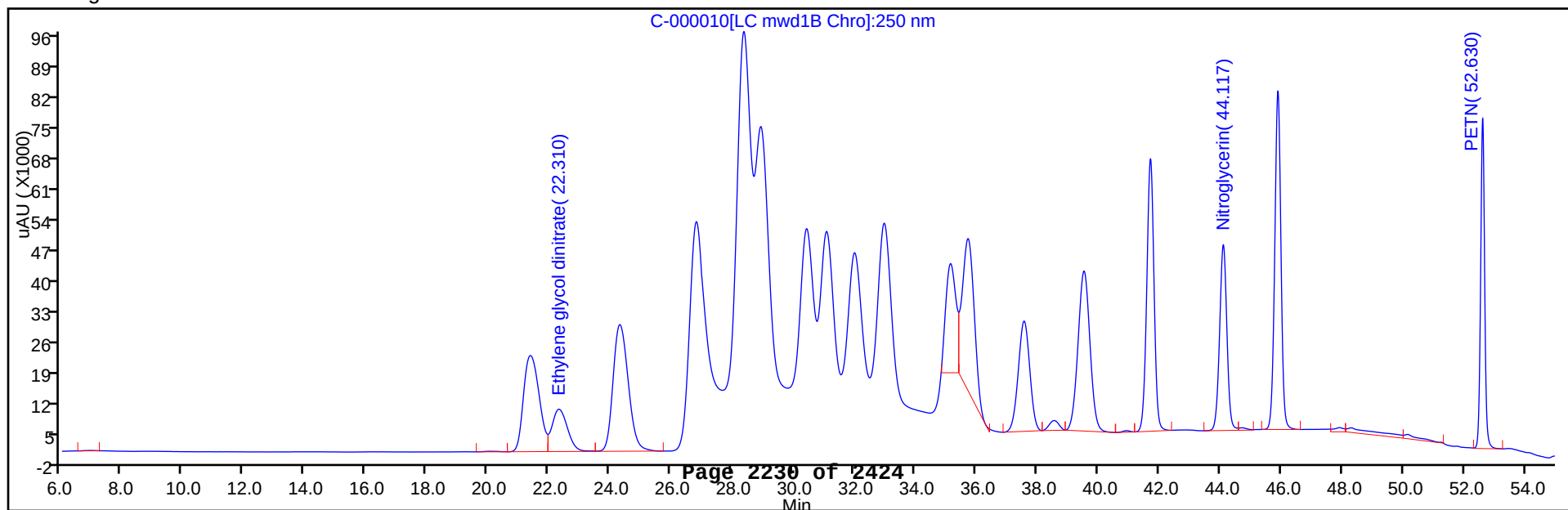
Column Type: Zorbax Cyano CN

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC12\20121001-975.b\C-000011.D
 Lims ID: STD08 Client ID:
 Inject. Date: 01-Oct-2012 20:08:22 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 8
 Sample ID: HP8330L8_00003;1;320-0000975-009
 Misc. Info.:
 Operator: RN Instrument ID: LC12
 Injection Vol: 500.0 ul ALS Bottle#: 18
 Lims Batch ID: 4221 Lims Sample ID: 9
 Sublist: chrom-LC12_Conf_8330*sub1
 Method: \\SACChrom\ChromData\LC12\20121001-975.b\LC12_Conf_8330.m
 Last Update: 02-Oct-2012 13:09:34 Calib Date: 01-Oct-2012 20:08:22
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC12\20121001-975.b\C-000011.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Zorbax Cyano CN Column Dia: 4.60 mm
 Process Host: XAWRK005

First Level Reviewer: noonanr

Date: 02-Oct-2012 07:53:58

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
10 2,4,6-Trinitrophenol						
2	0.095	0.089	0.006	102	2000.0	
1	0.095	0.089	0.006	102	0	
5 Nitrobenzene						
1	21.419	21.424	-0.005	31779	697.0	
3 Ethylene glycol dinitrate						
2	22.305	22.354	-0.049	16105	763.6	
24 1,3-Dinitrobenzene						
1	24.362	24.360	0.002	73865	735.8	
27 1,3,5-Trinitrobenzene						
1	26.872	26.877	-0.005	62902	798.7	
16 o-Nitrotoluene						
1	28.465	28.430	0.035	45199	742.3	
15 p-Nitrotoluene						
1	28.465	28.430	0.035	45199	742.3	
9 3,5-Dinitroaniline						
1	30.512	30.480	0.032	60329	757.3	
19 RDX						
1	31.139	31.134	0.005	35987	761.8	
23 2,4-Dinitrotoluene						
1	32.089	32.060	0.029	71751	779.3	
12 2,6-Dinitrotoluene						
1	33.062	33.030	0.032	42712	785.8	
6 2-Amino-4,6-dinitrotoluene						
1	35.255	35.194	0.061	59533	784.5	
26 4-Amino-2,6-dinitrotoluene						
1	35.789	35.774	0.015	51500	815.6	

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

1 37.652 37.604 0.048 19696 407.7

25 2,4,6-Trinitrotoluene

1 39.605 39.560 0.045 65557 887.8

11 HMX

1 41.779 41.740 0.039 53842 862.4

7 Nitroglycerin

2 44.189 44.130 0.059 78528 907.6

20 Tetryl

1 46.005 45.920 0.085 107967 922.3

21 PETN

2 52.702 52.630 0.072 150075 990.4

Report Date: 02-Oct-2012 13:09:35

Chrom Revision: 2.1 28-Sep-2012 12:22:52

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC12\20121001-975.b\IC-000011.D

Injection Date: 01-Oct-2012 20:08:22

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC12

Lims Batch ID: 4221

Lims Sample ID: 9

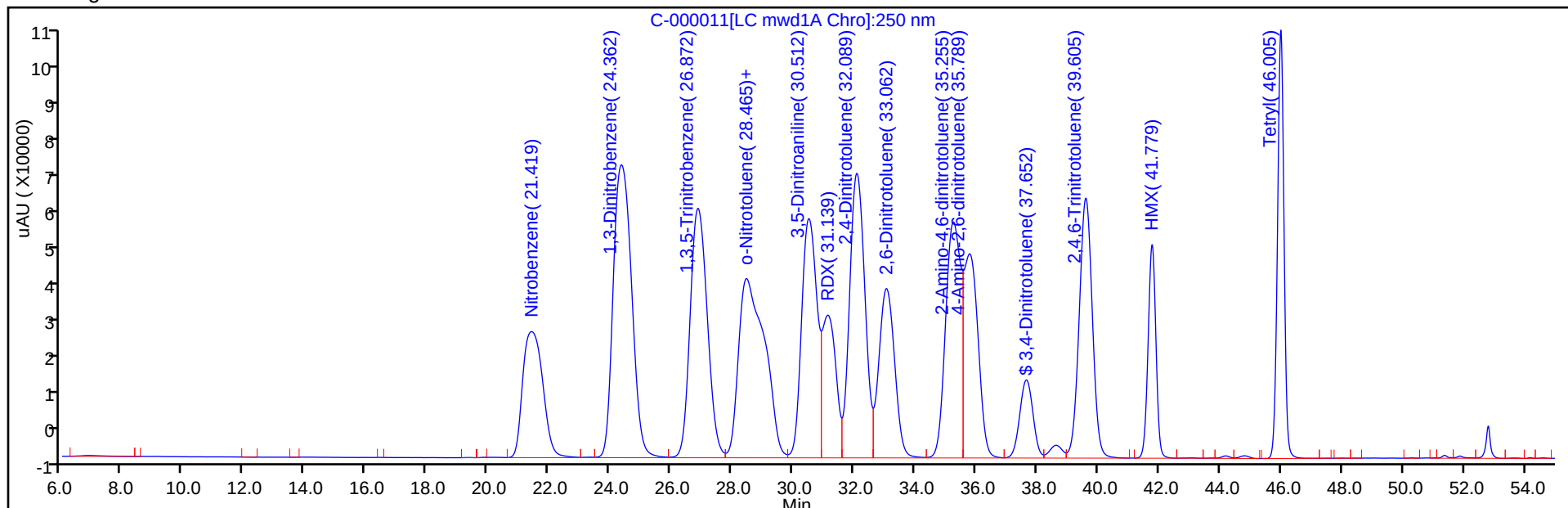
Operator ID: RN

Injection Vol: 500.0 ul

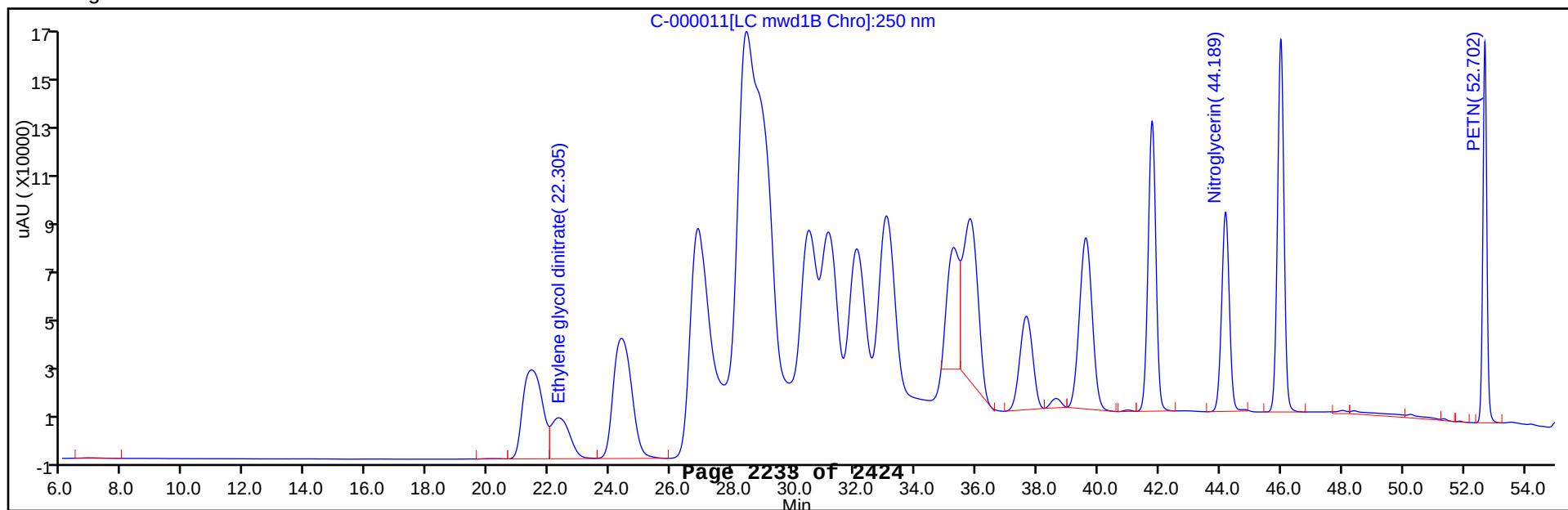
Column Type: Zorbax Cyano CN

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1
 SDG No.: _____
 Lab Sample ID: ICV 320-3377/11 Calibration Date: 09/01/2012 17:51
 Instrument ID: LC10 Calib Start Date: 09/01/2012 11:50
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 09/01/2012 16:31
 Lab File ID: A-000015.D Conc. Units: ng/mL

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

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1
 SDG No.: _____
 Lab Sample ID: ICV 320-3377/11 Calibration Date: 09/01/2012 17:51
 Instrument ID: LC10 Calib Start Date: 09/01/2012 11:50
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 09/01/2012 16:31
 Lab File ID: A-000015.D

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

TestAmerica West Sacramento
Target Compound Quantitation Report

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

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

First Level Reviewer: noonanr

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

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	5.238	5.235	0.003	64694	514.2	
19 RDX						
1	7.584	7.579	0.005	43361	487.3	
3 Ethylene glycol dinitrate						
2	8.304	8.305	-0.001	56056	578.7	
10 2,4,6-Trinitrophenol						
2	8.611	8.685	-0.074	118451	961.8	
1	8.611	8.685	-0.074	78800	953.2	
27 1,3,5-Trinitrobenzene						
1	9.991	9.992	-0.001	79307	487.5	
24 1,3-Dinitrobenzene						
1	12.684	12.682	0.002	77842	481.5	
9 3,5-Dinitroaniline						
1	13.438	13.449	-0.011	54213	521.7	
20 Tetryl						
1	13.938	13.939	-0.001	46038	531.9	
5 Nitrobenzene						
1	14.488	14.495	-0.007	35885	486.6	
7 Nitroglycerin						
2	15.194	15.202	-0.008	32066	494.2	
25 2,4,6-Trinitrotoluene						
1	16.071	16.069	0.002	47381	510.6	
26 4-Amino-2,6-dinitrotoluene						
1	16.611	16.619	-0.008	36286	479.1	
6 2-Amino-4,6-dinitrotoluene						
1	17.591	17.595	-0.004	40559	485.2	

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

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

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

TestAmerica West Sacramento

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

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

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 3377

Lims Sample ID: 11

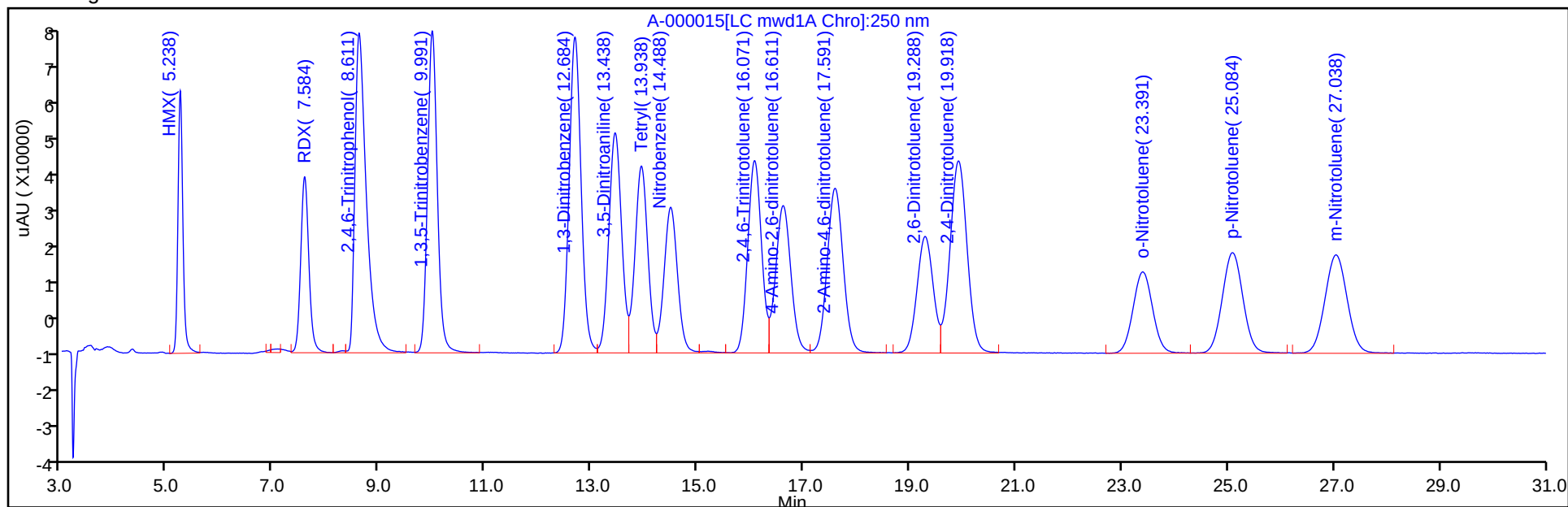
Operator ID: RN

Injection Vol: 500.0 ul

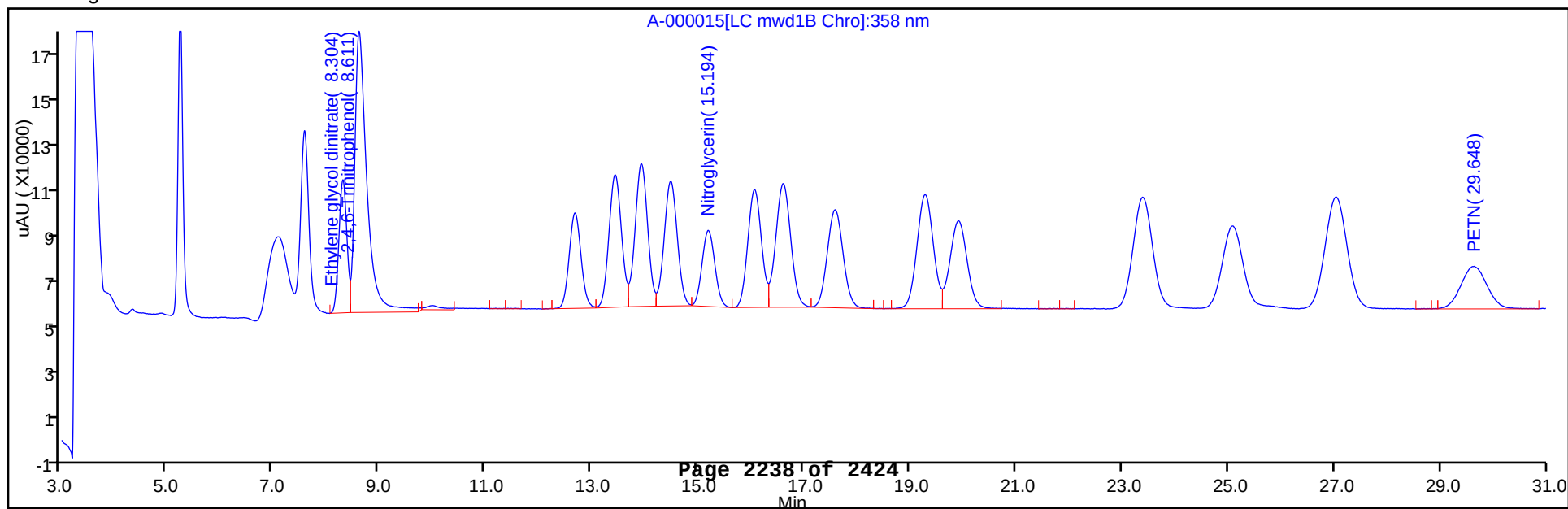
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1

SDG No.: _____

Lab Sample ID: LODV 320-3377/13 Calibration Date: 09/01/2012 19:11

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

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

Lab File ID: A-000017.D Conc. Units: ng/mL

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

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1
 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
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16 o-Nitrotoluene

1 23.316 23.415 -0.099 276 6.19

15 p-Nitrotoluene

1 25.066 25.102 -0.036 346 6.48

8 m-Nitrotoluene

1 26.999 27.052 -0.053 313 5.80

21 PETN

2 29.572 29.649 -0.077 728 19.8

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

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

TestAmerica West Sacramento

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

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

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 3377

Lims Sample ID: 13

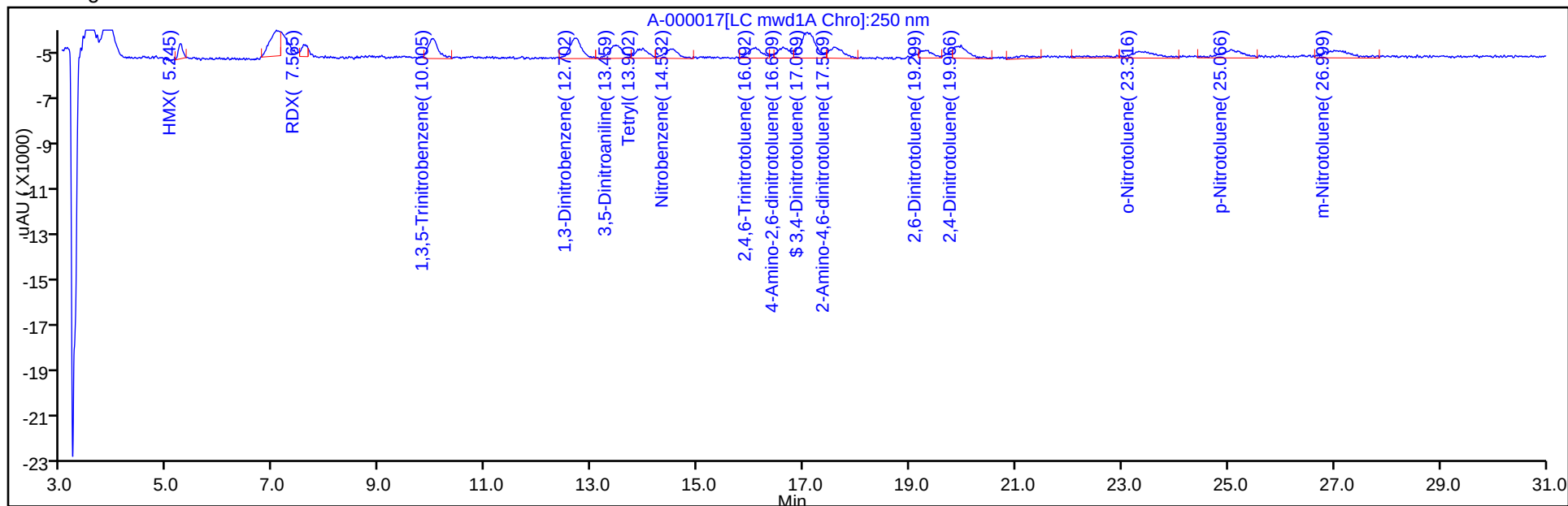
Operator ID: RN

Injection Vol: 500.0 ul

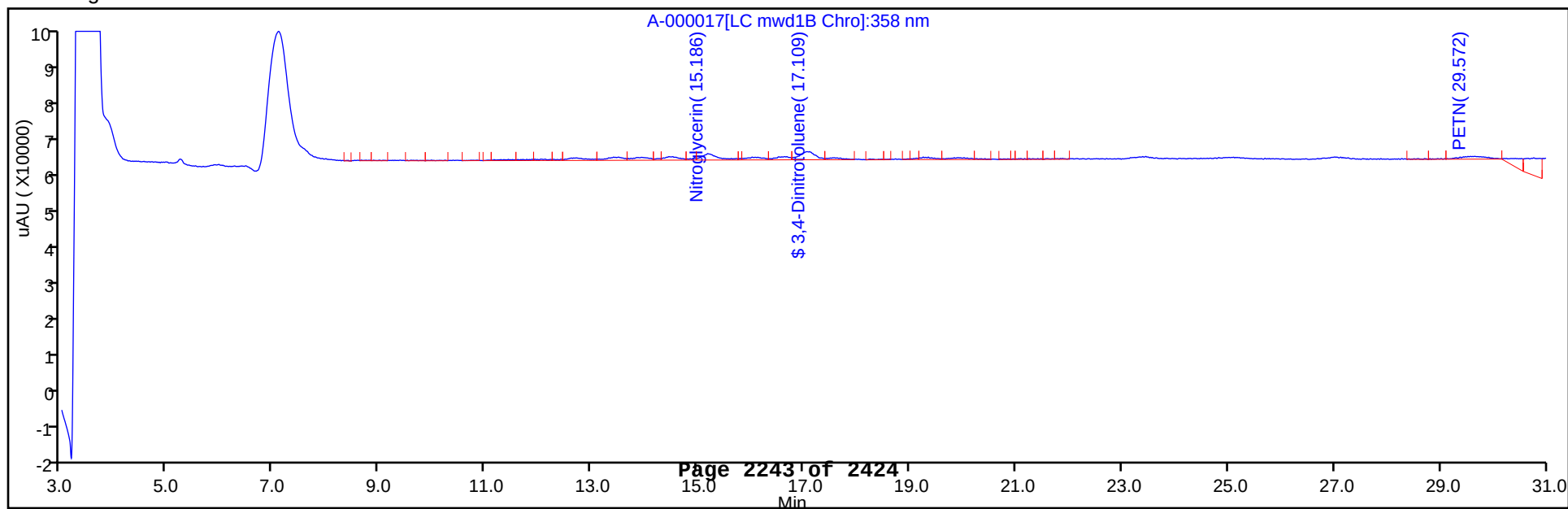
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1
 SDG No.: _____
 Lab Sample ID: CCVL 320-6640/30 Calibration Date: 12/01/2012 05:50
 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: ZD000030.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
HMX	Ave	125.8	136.8		5.44	5.00	8.7	30.0
RDX	Ave	88.99	110.2		6.19	5.00	23.8	30.0
1,3,5-Trinitrobenzene	Ave	162.7	169.0		5.19	5.00	3.9	30.0
1,3-Dinitrobenzene	Ave	161.7	189.4		5.86	5.00	17.2	30.0
3,5-Dinitroaniline	Ave	103.9	108.8		5.24	5.00	4.7	30.0
Tetryl	Ave	86.55	81.20		4.69	5.00	-6.2	30.0
Nitrobenzene	Ave	73.74	57.60		3.91	5.00	-21.9	30.0
Nitroglycerin	Ave	64.89	72.85		22.5	20.0	12.3	30.0
2,4,6-Trinitrotoluene	Ave	92.79	82.20		4.43	5.00	-11.4	30.0
4-Amino-2,6-dinitrotoluene	Ave	75.73	69.60		4.60	5.00	-8.1	30.0
2-Amino-4,6-dinitrotoluene	Ave	83.59	88.00		5.26	5.00	5.3	30.0
2,6-Dinitrotoluene	Ave	59.58	54.60		4.58	5.00	-8.4	30.0
2,4-Dinitrotoluene	Ave	95.97	100.6		5.24	5.00	4.8	30.0
2-Nitrotoluene	Ave	44.56	57.80		6.49	5.00	29.7	30.0
4-Nitrotoluene	Ave	53.43	70.80		6.63	5.00	32.5*	30.0
3-Nitrotoluene	Ave	53.94	61.80		5.73	5.00	14.6	30.0
PETN	Ave	36.72	49.20		26.8	20.0	34.0*	30.0
3,4-Dinitrotoluene	Ave	56.32	52.40		18.6	20.0	-7.0	30.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1
 SDG No.: _____
 Lab Sample ID: CCVL 320-6640/30 Calibration Date: 12/01/2012 05:50
 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: ZD000030.D

Analyte	RT	RT WINDOW	
		FROM	TO
HMX	5.23	4.98	5.48
RDX	7.50	7.25	7.75
1,3,5-Trinitrobenzene	9.89	9.64	10.14
1,3-Dinitrobenzene	12.51	12.26	12.76
3,5-Dinitroaniline	13.27	13.02	13.52
Tetryl	13.63	13.38	13.88
Nitrobenzene	14.17	13.92	14.42
Nitroglycerin	14.90	14.65	15.15
2,4,6-Trinitrotoluene	15.76	15.51	16.01
4-Amino-2,6-dinitrotoluene	16.25	16.00	16.50
2-Amino-4,6-dinitrotoluene	17.25	17.00	17.50
2,6-Dinitrotoluene	18.84	18.59	19.09
2,4-Dinitrotoluene	19.48	19.23	19.73
2-Nitrotoluene	22.86	22.61	23.11
4-Nitrotoluene	24.48	24.23	24.73
3-Nitrotoluene	26.37	26.12	26.62
PETN	28.72	28.47	28.97
3,4-Dinitrotoluene	16.78	16.53	17.03

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20121130-1608.b\ZD000030.D
 Lims ID: CCVL Client ID:
 Inject. Date: 01-Dec-2012 05:50:54 Dil. Factor: 1.0000
 Sample Type: CCVL
 Sample ID: 320-0001608-030
 Misc. Info.:
 Operator: RN Instrument ID: LC10
 Injection Vol: 500.0 ul ALS Bottle#: 10
 Lims Batch ID: 6640 Lims Sample ID: 30
 Sublist: chrom-8330_LC10*sub2
 Method: \\SACChrom\ChromData\LC10\20121130-1608.b\8330_LC10.m
 Last Update: 03-Dec-2012 08:50:04 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: XAWRK011

First Level Reviewer: noonanr

Date: 03-Dec-2012 08:50:04

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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11 HMX						
1	5.233	5.233	0.0	684	5.44	
19 RDX						
1	7.499	7.499	0.0	551	6.19	
27 1,3,5-Trinitrobenzene						
1	9.886	9.886	0.0	845	5.19	
24 1,3-Dinitrobenzene						
1	12.513	12.513	0.0	947	5.86	
9 3,5-Dinitroaniline						
1	13.266	13.266	0.0	544	5.24	
20 Tetryl						
1	13.633	13.633	0.0	406	4.69	
5 Nitrobenzene						
1	14.166	14.166	0.0	288	3.91	
7 Nitroglycerin						
2	14.896	14.896	0.0	1457	22.5	
25 2,4,6-Trinitrotoluene						
1	15.763	15.763	0.0	411	4.43	
26 4-Amino-2,6-dinitrotoluene						
1	16.253	16.253	0.0	348	4.60	
\$ 30 3,4-Dinitrotoluene						
1	16.780	16.780	0.0	1048	18.6	
2	16.776	16.776	0.0	2084	20.2	
6 2-Amino-4,6-dinitrotoluene						
1	17.246	17.246	0.0	440	5.26	
12 2,6-Dinitrotoluene						
1	18.840	18.840	0.0	273	4.58	

Data File: \\SACChrom\ChromData\LC10\20121130-1608.b\ZD000030.D

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
23 2,4-Dinitrotoluene						
1	19.483	19.483	0.0	503	5.24	
16 o-Nitrotoluene						
1	22.860	22.860	0.0	289	6.49	
15 p-Nitrotoluene						
1	24.483	24.483	0.0	354	6.63	
8 m-Nitrotoluene						
1	26.366	26.366	0.0	309	5.73	
21 PETN						
2	28.716	28.716	0.0	984	26.8	

Report Date: 03-Dec-2012 08:50:04

Chrom Revision: 2.1 29-Nov-2012 15:29:30

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121130-1608.b\ZD000030.D

Injection Date: 01-Dec-2012 05:50:54

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 6640

Lims Sample ID: 30

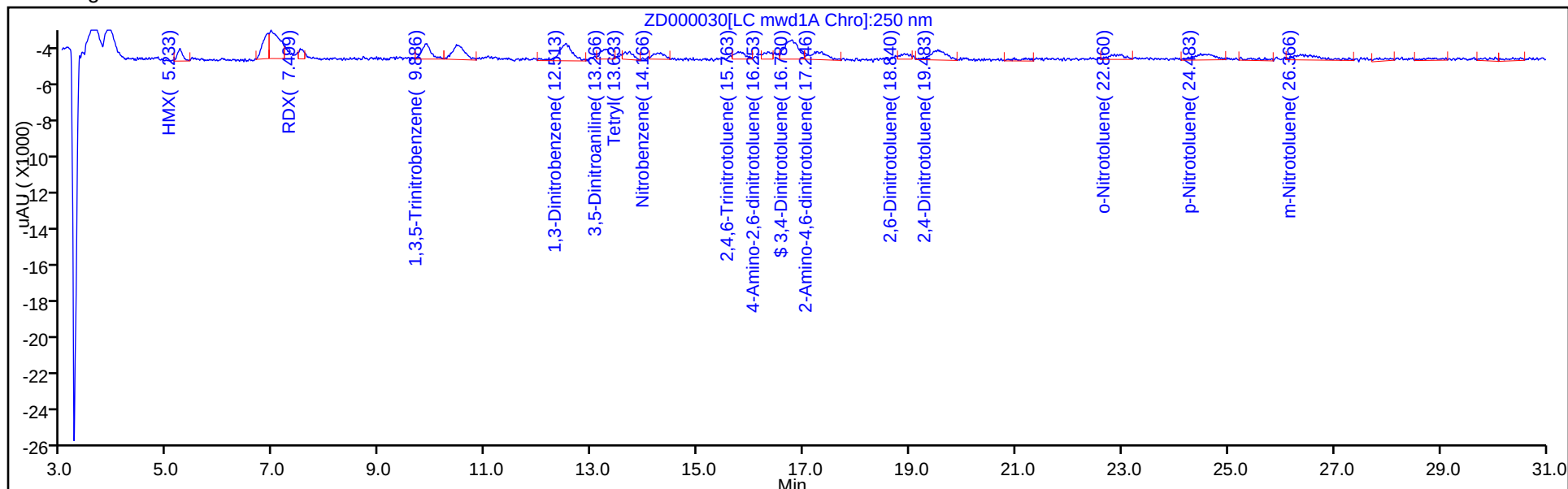
Operator ID: RN

Injection Vol: 500.0 ul

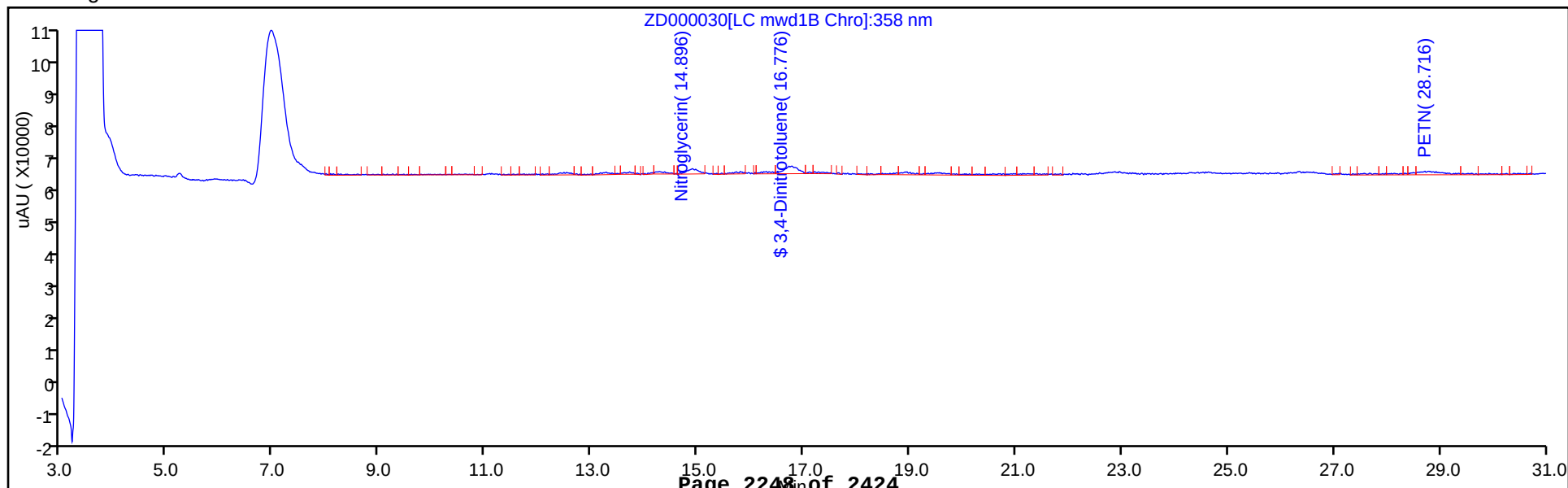
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1
 SDG No.: _____
 Lab Sample ID: STD05 320-6640/37 Calibration Date: 12/01/2012 10:32
 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: ZD000037.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		103	100	2.8	20.0
RDX	Ave	88.99	89.29		100	100	0.3	20.0
Ethylene glycol dinitrate	Ave	96.86	107.5		111	100	10.9	20.0
1,3,5-Trinitrobenzene	Ave	162.7	165.2		102	100	1.6	20.0
1,3-Dinitrobenzene	Ave	161.7	164.5		102	100	1.8	20.0
3,5-Dinitroaniline	Ave	103.9	105.4		101	100	1.4	20.0
Tetryl	Ave	86.55	87.58		101	100	1.2	20.0
Nitrobenzene	Ave	73.74	73.15		99.2	100	-0.8	20.0
Nitroglycerin	Ave	64.89	65.85		101	100	1.5	20.0
2,4,6-Trinitrotoluene	Ave	92.79	93.01		100	100	0.2	20.0
4-Amino-2,6-dinitrotoluene	Ave	75.73	77.06		102	100	1.8	20.0
2-Amino-4,6-dinitrotoluene	Ave	83.59	83.91		100	100	0.4	20.0
2,6-Dinitrotoluene	Ave	59.58	58.91		98.9	100	-1.1	20.0
2,4-Dinitrotoluene	Ave	95.97	97.31		101	100	1.4	20.0
2-Nitrotoluene	Ave	44.56	41.36		92.8	100	-7.2	20.0
4-Nitrotoluene	Ave	53.43	51.20		95.8	100	-4.2	20.0
3-Nitrotoluene	Ave	53.94	52.33		97.0	100	-3.0	20.0
PETN	Ave	36.72	37.10		101	100	1.0	20.0
3,4-Dinitrotoluene	Ave	56.32	55.59		98.7	100	-1.3	20.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1
 SDG No.: _____
 Lab Sample ID: STD05 320-6640/37 Calibration Date: 12/01/2012 10:32
 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: ZD000037.D

Analyte	RT	RT WINDOW	
		FROM	TO
HMX	5.21	4.96	5.46
RDX	7.50	7.25	7.75
Ethylene glycol dinitrate	8.20	7.95	8.45
1,3,5-Trinitrobenzene	9.85	9.60	10.10
1,3-Dinitrobenzene	12.48	12.23	12.73
3,5-Dinitroaniline	13.22	12.97	13.47
Tetryl	13.64	13.39	13.89
Nitrobenzene	14.23	13.98	14.48
Nitroglycerin	14.86	14.61	15.11
2,4,6-Trinitrotoluene	15.74	15.49	15.99
4-Amino-2,6-dinitrotoluene	16.28	16.03	16.53
2-Amino-4,6-dinitrotoluene	17.23	16.98	17.48
2,6-Dinitrotoluene	18.86	18.61	19.11
2,4-Dinitrotoluene	19.49	19.24	19.74
2-Nitrotoluene	22.86	22.61	23.11
4-Nitrotoluene	24.49	24.24	24.74
3-Nitrotoluene	26.38	26.13	26.63
PETN	28.72	28.47	28.97
3,4-Dinitrotoluene	16.70	16.45	16.95

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20121130-1608.b\ZD000037.D
 Lims ID: STD05 Client ID:
 Inject. Date: 01-Dec-2012 10:32:51 Dil. Factor: 1.0000
 Sample Type: CCVRT
 Sample ID: 320-0001608-037
 Misc. Info.:
 Operator: RN Instrument ID: LC10
 Injection Vol: 500.0 ul ALS Bottle#: 4
 Lims Batch ID: 6640 Lims Sample ID: 37
 Sublist: chrom-8330_LC10*sub1
 Method: \\SACChrom\ChromData\LC10\20121130-1608.b\8330_LC10.m
 Last Update: 03-Dec-2012 09:00:44 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: XAWRK011

First Level Reviewer: noonanr

Date: 03-Dec-2012 09:00:44

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

11 HMX						
1	5.207	5.207	0.0	12937	102.8	
19 RDX						
1	7.501	7.501	0.0	8929	100.3	
3 Ethylene glycol dinitrate						
2	8.197	8.197	0.0	10746	110.9	
10 2,4,6-Trinitrophenol						
2	8.587	8.587	0.0	25228	204.8	
1	8.587	8.587	0.0	17356	209.9	
27 1,3,5-Trinitrobenzene						
1	9.847	9.847	0.0	16524	101.6	
24 1,3-Dinitrobenzene						
1	12.477	12.477	0.0	16452	101.8	
9 3,5-Dinitroaniline						
1	13.217	13.217	0.0	10535	101.4	
20 Tetryl						
1	13.641	13.641	0.0	8758	101.2	
5 Nitrobenzene						
1	14.227	14.227	0.0	7315	99.2	
7 Nitroglycerin						
2	14.857	14.857	0.0	6585	101.5	
25 2,4,6-Trinitrotoluene						
1	15.741	15.741	0.0	9301	100.2	
26 4-Amino-2,6-dinitrotoluene						
1	16.281	16.281	0.0	7706	101.8	
\$ 30 3,4-Dinitrotoluene						
1	16.701	16.701	0.0	5559	98.7	
2	16.701	16.701	0.0	10402	100.7	

Data File: \\SACChrom\ChromData\LC10\20121130-1608.b\ZD000037.D

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
6 2-Amino-4,6-dinitrotoluene						
1	17.234	17.234	0.0	8391	100.4	
12 2,6-Dinitrotoluene						
1	18.861	18.861	0.0	5891	98.9	
23 2,4-Dinitrotoluene						
1	19.491	19.491	0.0	9731	101.4	
16 o-Nitrotoluene						
1	22.861	22.861	0.0	4136	92.8	
15 p-Nitrotoluene						
1	24.487	24.487	0.0	5120	95.8	
8 m-Nitrotoluene						
1	26.377	26.377	0.0	5233	97.0	
21 PETN						
2	28.724	28.724	0.0	3710	101.0	M

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 03-Dec-2012 09:00:44

Chrom Revision: 2.1 29-Nov-2012 15:29:30

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121130-1608.b\ZD000037.D

Injection Date: 01-Dec-2012 10:32:51

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 6640

Lims Sample ID: 37

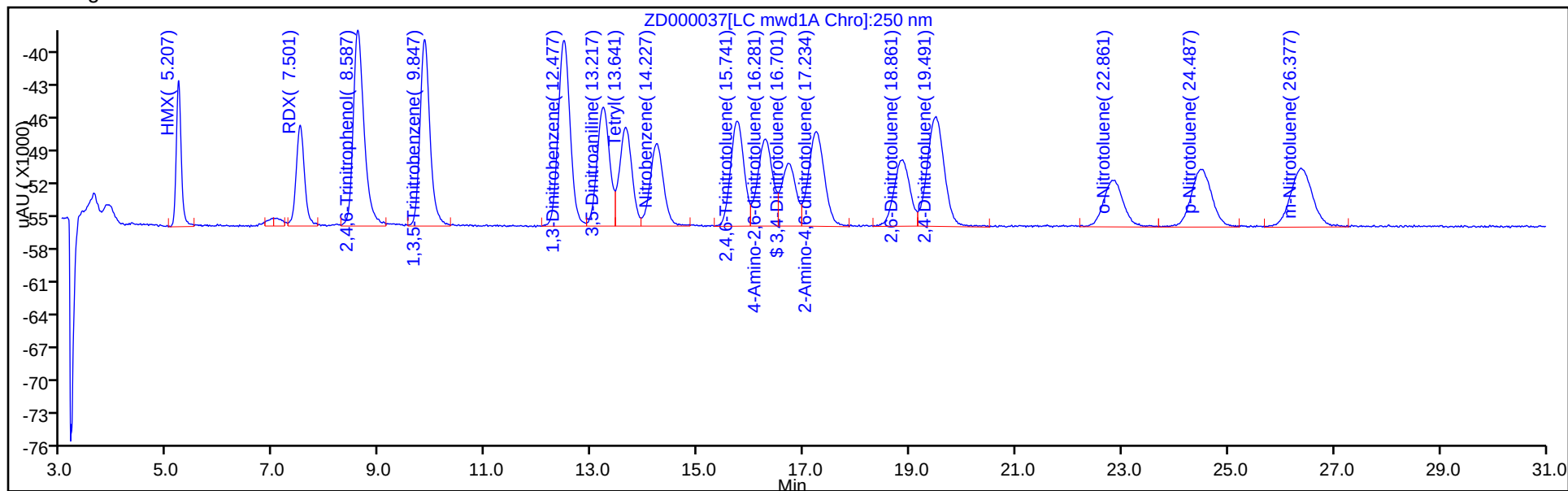
Operator ID: RN

Injection Vol: 500.0 ul

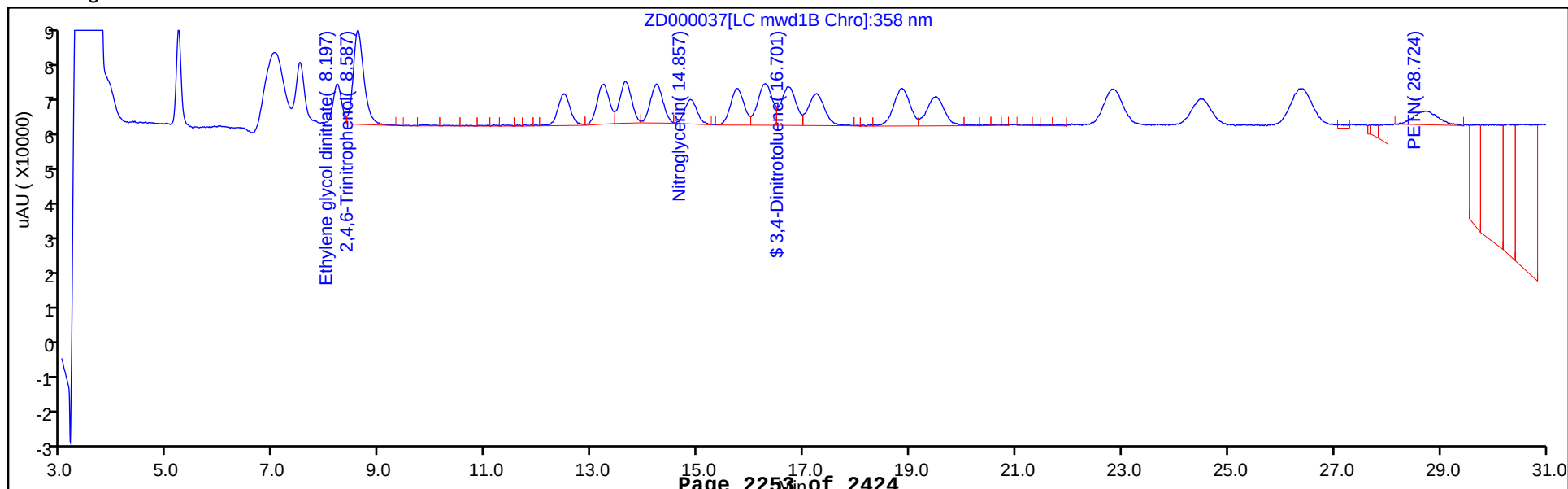
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



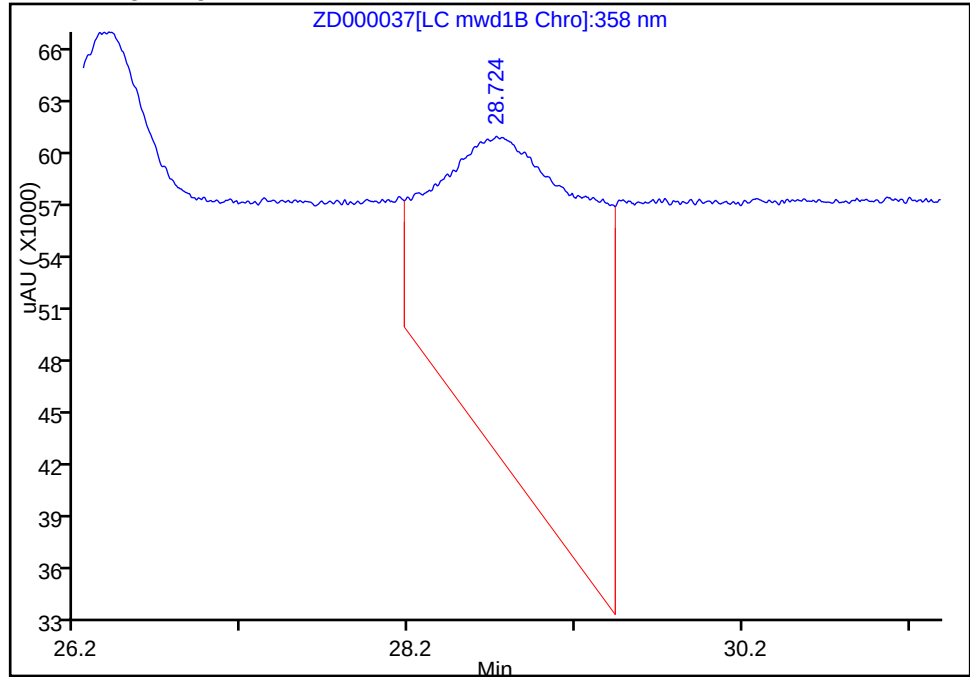
TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121130-1608.b\ZD000037.D
Injection Date: 01-Dec-2012 10:32:51 Limit Group: LC 8330B ICAL
Client ID: Instrument ID: LC10
Lims Batch ID: 6640 Lims Sample ID: 37
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: 28.72, Det: LC mwd1B

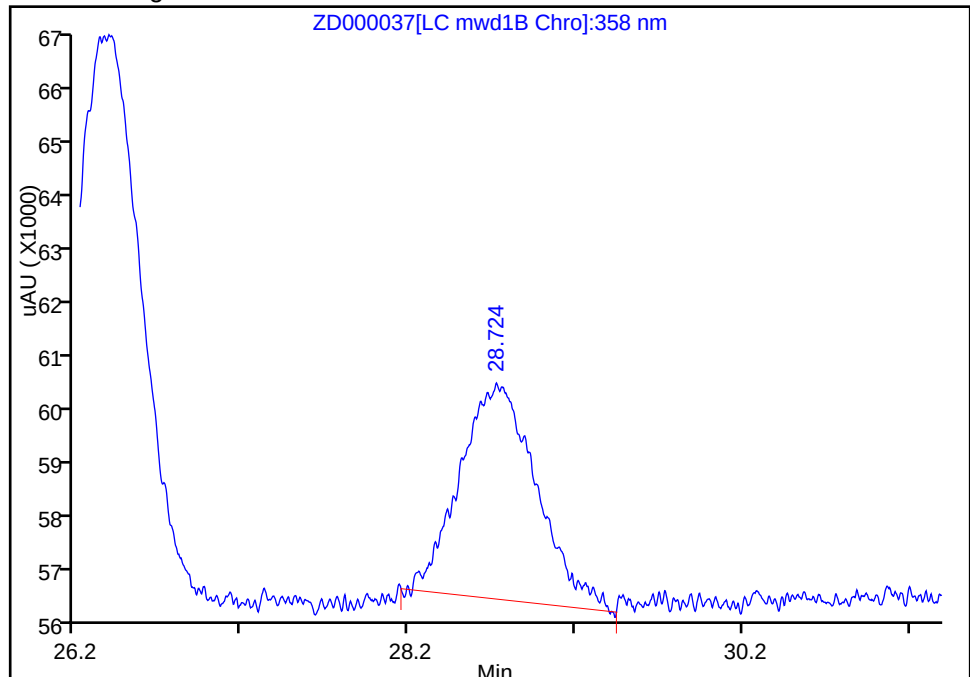
RT: 28.72
Response: 18112
Amount: 493.1835

Processing Integration Results



RT: 28.72
Response: 3710
Amount: 101.0220

Manual Integration Results



Reviewer: noonanr, 03-Dec-2012 09:00:44
Audit Action: Manually Integrated
Audit Reason: Baseline

FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1
 SDG No.: _____
 Lab Sample ID: STD05 320-6640/48 Calibration Date: 12/01/2012 17:54
 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: ZD000048.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
HMX	Ave	125.8	127.7		101	100	1.5	20.0
RDX	Ave	88.99	87.48		98.3	100	-1.7	20.0
Ethylene glycol dinitrate	Ave	96.86	107.9		111	100	11.4	20.0
1,3,5-Trinitrobenzene	Ave	162.7	163.8		101	100	0.7	20.0
1,3-Dinitrobenzene	Ave	161.7	165.0		102	100	2.0	20.0
3,5-Dinitroaniline	Ave	103.9	103.8		99.9	100	-0.1	20.0
Tetryl	Ave	86.55	85.79		99.1	100	-0.9	20.0
Nitrobenzene	Ave	73.74	73.10		99.1	100	-0.9	20.0
Nitroglycerin	Ave	64.89	65.88		102	100	1.5	20.0
2,4,6-Trinitrotoluene	Ave	92.79	92.71		99.9	100	-0.0	20.0
4-Amino-2,6-dinitrotoluene	Ave	75.73	75.66		99.9	100	-0.0	20.0
2-Amino-4,6-dinitrotoluene	Ave	83.59	83.83		100	100	0.3	20.0
2,6-Dinitrotoluene	Ave	59.58	58.97		99.0	100	-1.0	20.0
2,4-Dinitrotoluene	Ave	95.97	96.49		101	100	0.5	20.0
2-Nitrotoluene	Ave	44.56	42.64		95.7	100	-4.3	20.0
4-Nitrotoluene	Ave	53.43	51.88		97.1	100	-2.9	20.0
3-Nitrotoluene	Ave	53.94	52.90		98.1	100	-1.9	20.0
PETN	Ave	36.72	39.80		108	100	8.4	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 West Sacramento Job No.: 240-17525-1
 SDG No.: _____
 Lab Sample ID: STD05 320-6640/48 Calibration Date: 12/01/2012 17:54
 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: ZD000048.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	12.47	12.22	12.72
3,5-Dinitroaniline	13.21	12.96	13.46
Tetryl	13.64	13.39	13.89
Nitrobenzene	14.21	13.96	14.46
Nitroglycerin	14.86	14.61	15.11
2,4,6-Trinitrotoluene	15.73	15.48	15.98
4-Amino-2,6-dinitrotoluene	16.24	15.99	16.49
2-Amino-4,6-dinitrotoluene	17.21	16.96	17.46
2,6-Dinitrotoluene	18.81	18.56	19.06
2,4-Dinitrotoluene	19.45	19.20	19.70
2-Nitrotoluene	22.78	22.53	23.03
4-Nitrotoluene	24.45	24.20	24.70
3-Nitrotoluene	26.29	26.04	26.54
PETN	28.66	28.41	28.91
3,4-Dinitrotoluene	16.69	16.44	16.94

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20121130-1608.b\ZD000048.D
 Lims ID: STD05 Client ID:
 Inject. Date: 01-Dec-2012 17:54:59 Dil. Factor: 1.0000
 Sample Type: CCVRT
 Sample ID: 320-0001608-048
 Misc. Info.:
 Operator: RN Instrument ID: LC10
 Injection Vol: 500.0 ul ALS Bottle#: 5
 Lims Batch ID: 6640 Lims Sample ID: 48
 Sublist: chrom-8330_LC10*sub1
 Method: \\SACChrom\ChromData\LC10\20121130-1608.b\8330_LC10.m
 Last Update: 03-Dec-2012 09:09:23 Calib Date: 01-Sep-2012 16:31:00
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
 Process Host: XAWRK011

First Level Reviewer: noonanr

Date: 03-Dec-2012 09:09:23

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	5.215	5.215	0.0	12769	101.5	
19 RDX						
1	7.509	7.509	0.0	8748	98.3	
3 Ethylene glycol dinitrate						
2	8.205	8.205	0.0	10790	111.4	
10 2,4,6-Trinitrophenol						M
2	8.592	8.592	0.0	25302	205.4	
1	0.0	9.855	-9.855	0	0	
27 1,3,5-Trinitrobenzene						M
1	9.855	9.855	0.0	16379	100.7	M
24 1,3-Dinitrobenzene						
1	12.472	12.472	0.0	16495	102.0	
9 3,5-Dinitroaniline						
1	13.205	13.205	0.0	10381	99.9	
20 Tetryl						
1	13.639	13.639	0.0	8579	99.1	
5 Nitrobenzene						
1	14.209	14.209	0.0	7310	99.1	
7 Nitroglycerin						
2	14.859	14.859	0.0	6588	101.5	
25 2,4,6-Trinitrotoluene						
1	15.725	15.725	0.0	9271	99.9	
26 4-Amino-2,6-dinitrotoluene						
1	16.242	16.242	0.0	7566	99.9	
\$ 30 3,4-Dinitrotoluene						
1	16.692	16.692	0.0	5471	97.1	
2	16.695	16.695	0.0	10442	101.1	

Data File: \\SACChrom\ChromData\LC10\20121130-1608.b\ZD000048.D

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
6 2-Amino-4,6-dinitrotoluene						
1	17.205	17.205	0.0	8383	100.3	
12 2,6-Dinitrotoluene						
1	18.805	18.805	0.0	5897	99.0	
23 2,4-Dinitrotoluene						
1	19.452	19.452	0.0	9649	100.5	
16 o-Nitrotoluene						
1	22.779	22.779	0.0	4264	95.7	
15 p-Nitrotoluene						
1	24.445	24.445	0.0	5188	97.1	
8 m-Nitrotoluene						
1	26.285	26.285	0.0	5290	98.1	
21 PETN						
2	28.655	28.655	0.0	3980	108.4	

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 03-Dec-2012 09:09:23

Chrom Revision: 2.1 29-Nov-2012 15:29:30

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121130-1608.b\ZD000048.D

Injection Date: 01-Dec-2012 17:54:59

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 6640

Lims Sample ID: 48

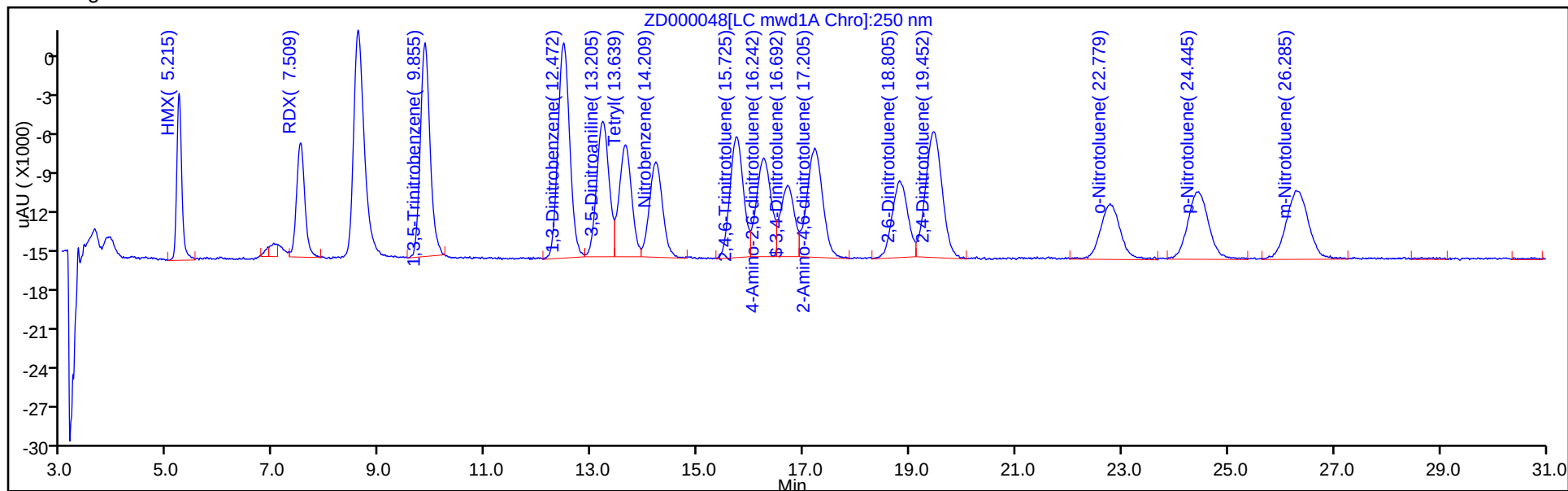
Operator ID: RN

Injection Vol: 500.0 ul

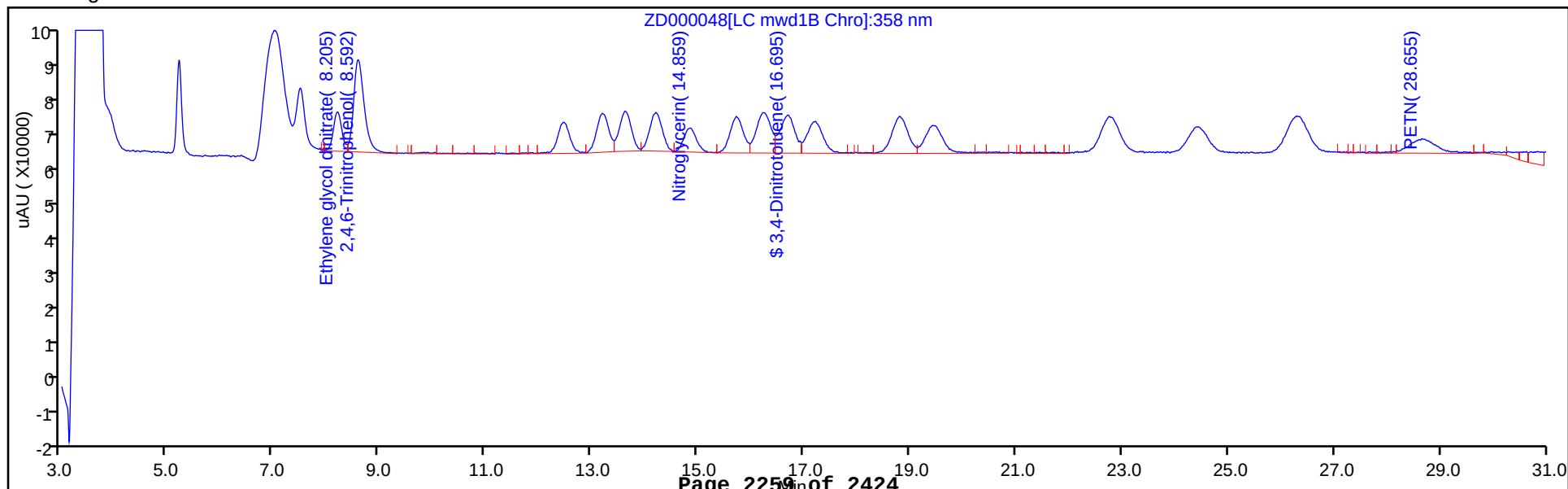
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121130-1608.b\ZD000048.D

Injection Date: 01-Dec-2012 17:54:59

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 6640

Lims Sample ID: 48

Operator ID: RN

Injection Vol: 500.0 ul

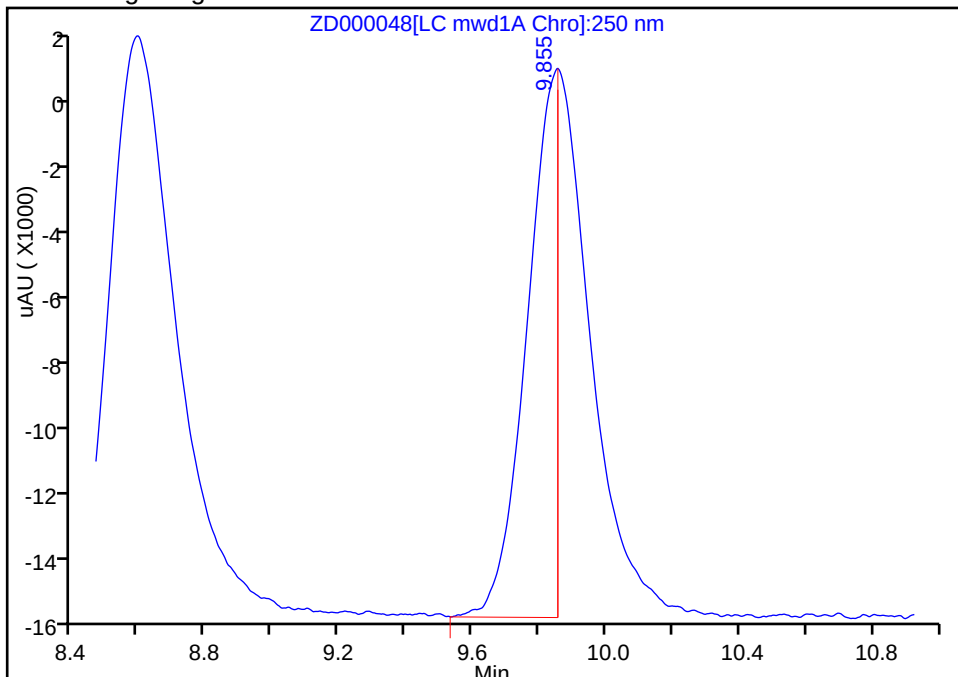
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

27 1,3,5-Trinitrobenzene, Signal: 1, Type: quant, RT: 9.86, Det: LC mwd1A

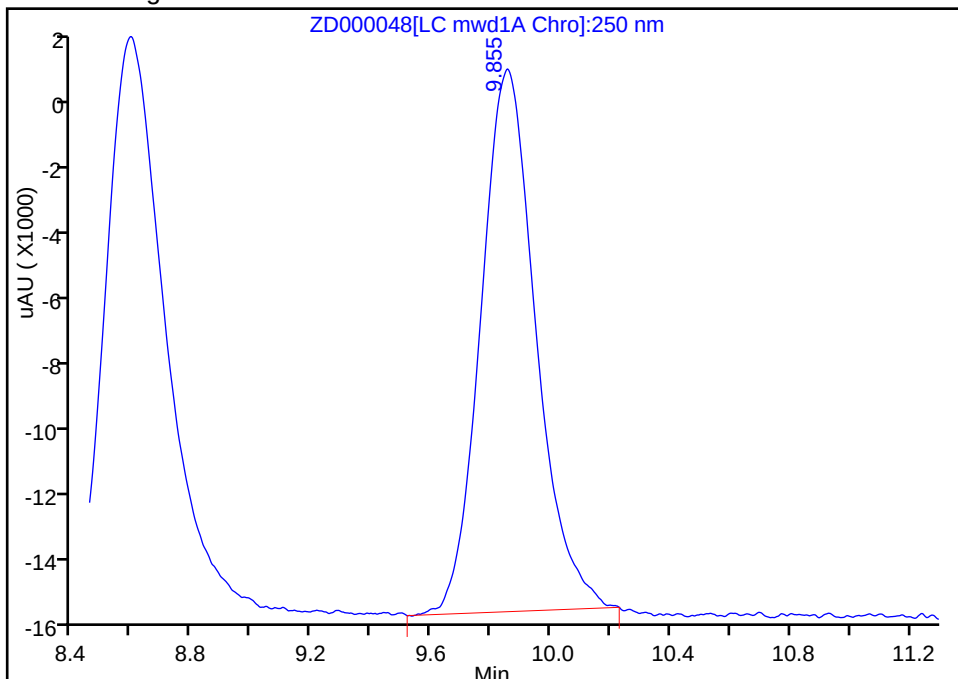
RT: 9.86
Response: 16531
Amount: 101.6214

Processing Integration Results



RT: 9.86
Response: 16379
Amount: 100.6870

Manual Integration Results



Reviewer: noonanr, 03-Dec-2012 09:09:23

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1

SDG No.: _____

Lab Sample ID: STD05 320-6640/59 Calibration Date: 12/02/2012 01:17

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: ZD000059.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	88.22		99.1	100	-0.9	20.0
Ethylene glycol dinitrate	Ave	96.86	108.4		112	100	11.9	20.0
1,3,5-Trinitrobenzene	Ave	162.7	164.8		101	100	1.3	20.0
1,3-Dinitrobenzene	Ave	161.7	165.4		102	100	2.3	20.0
3,5-Dinitroaniline	Ave	103.9	105.1		101	100	1.1	20.0
Tetryl	Ave	86.55	87.49		101	100	1.1	20.0
Nitrobenzene	Ave	73.74	72.01		97.7	100	-2.3	20.0
Nitroglycerin	Ave	64.89	65.43		101	100	0.8	20.0
2,4,6-Trinitrotoluene	Ave	92.79	93.22		100	100	0.5	20.0
4-Amino-2,6-dinitrotoluene	Ave	75.73	76.51		101	100	1.0	20.0
2-Amino-4,6-dinitrotoluene	Ave	83.59	83.35		99.7	100	-0.3	20.0
2,6-Dinitrotoluene	Ave	59.58	59.11		99.2	100	-0.8	20.0
2,4-Dinitrotoluene	Ave	95.97	98.08		102	100	2.2	20.0
2-Nitrotoluene	Ave	44.56	41.16		92.4	100	-7.6	20.0
4-Nitrotoluene	Ave	53.43	51.30		96.0	100	-4.0	20.0
3-Nitrotoluene	Ave	53.94	50.99		94.5	100	-5.5	20.0
PETN	Ave	36.72	38.48		105	100	4.8	20.0
3,4-Dinitrotoluene	Ave	56.32	55.97		99.4	100	-0.6	20.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1
 SDG No.: _____
 Lab Sample ID: STD05 320-6640/59 Calibration Date: 12/02/2012 01:17
 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: ZD000059.D

Analyte	RT	RT WINDOW	
		FROM	TO
HMX	5.20	4.95	5.45
RDX	7.49	7.24	7.74
Ethylene glycol dinitrate	8.19	7.94	8.44
1,3,5-Trinitrobenzene	9.84	9.59	10.09
1,3-Dinitrobenzene	12.47	12.22	12.72
3,5-Dinitroaniline	13.21	12.96	13.46
Tetryl	13.63	13.38	13.88
Nitrobenzene	14.21	13.96	14.46
Nitroglycerin	14.86	14.61	15.11
2,4,6-Trinitrotoluene	15.74	15.49	15.99
4-Amino-2,6-dinitrotoluene	16.28	16.03	16.53
2-Amino-4,6-dinitrotoluene	17.24	16.99	17.49
2,6-Dinitrotoluene	18.85	18.60	19.10
2,4-Dinitrotoluene	19.47	19.22	19.72
2-Nitrotoluene	22.82	22.57	23.07
4-Nitrotoluene	24.47	24.22	24.72
3-Nitrotoluene	26.36	26.11	26.61
PETN	28.64	28.39	28.89
3,4-Dinitrotoluene	16.72	16.47	16.97

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20121130-1608.b\ZD000059.D
 Lims ID: STD05 Client ID:
 Inject. Date: 02-Dec-2012 01:17:26 Dil. Factor: 1.0000
 Sample Type: CCVRT
 Sample ID: 320-0001608-059
 Misc. Info.:
 Operator: RN Instrument ID: LC10
 Injection Vol: 500.0 ul ALS Bottle#: 5
 Lims Batch ID: 6640 Lims Sample ID: 59
 Sublist: chrom-8330_LC10*sub1
 Method: \\SACChrom\ChromData\LC10\20121130-1608.b\8330_LC10.m
 Last Update: 03-Dec-2012 09:25:26 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: XAWRK011

First Level Reviewer: noonanr

Date: 03-Dec-2012 09:25:26

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	5.203	5.203	0.0	12831	102.0	
19 RDX						
1	7.489	7.489	0.0	8822	99.1	
3 Ethylene glycol dinitrate						
2	8.193	8.193	0.0	10839	111.9	
10 2,4,6-Trinitrophenol						
2	8.586	8.586	0.0	25467	206.8	
1	8.586	8.586	0.0	17422	210.7	
27 1,3,5-Trinitrobenzene						
1	9.843	9.843	0.0	16483	101.3	
24 1,3-Dinitrobenzene						
1	12.466	12.466	0.0	16536	102.3	
9 3,5-Dinitroaniline						
1	13.213	13.213	0.0	10506	101.1	
20 Tetryl						
1	13.629	13.629	0.0	8749	101.1	
5 Nitrobenzene						
1	14.213	14.213	0.0	7201	97.7	
7 Nitroglycerin						
2	14.859	14.859	0.0	6543	100.8	
25 2,4,6-Trinitrotoluene						
1	15.736	15.736	0.0	9322	100.5	
26 4-Amino-2,6-dinitrotoluene						
1	16.283	16.283	0.0	7651	101.0	
\$ 30 3,4-Dinitrotoluene						
1	16.719	16.719	0.0	5597	99.4	
2	16.723	16.723	0.0	10607	102.7	

Data File: \\SACChrom\ChromData\LC10\20121130-1608.b\ZD000059.D

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
6 2-Amino-4,6-dinitrotoluene						
1	17.239	17.239	0.0	8335	99.7	
12 2,6-Dinitrotoluene						
1	18.846	18.846	0.0	5911	99.2	
23 2,4-Dinitrotoluene						
1	19.469	19.469	0.0	9808	102.2	
16 o-Nitrotoluene						
1	22.816	22.816	0.0	4116	92.4	
15 p-Nitrotoluene						
1	24.469	24.469	0.0	5130	96.0	
8 m-Nitrotoluene						
1	26.359	26.359	0.0	5099	94.5	
21 PETN						
2	28.636	28.636	0.0	3848	104.8	

Report Date: 03-Dec-2012 09:25:26

Chrom Revision: 2.1 29-Nov-2012 15:29:30

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121130-1608.b\ZD000059.D

Injection Date: 02-Dec-2012 01:17:26

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 6640

Lims Sample ID: 59

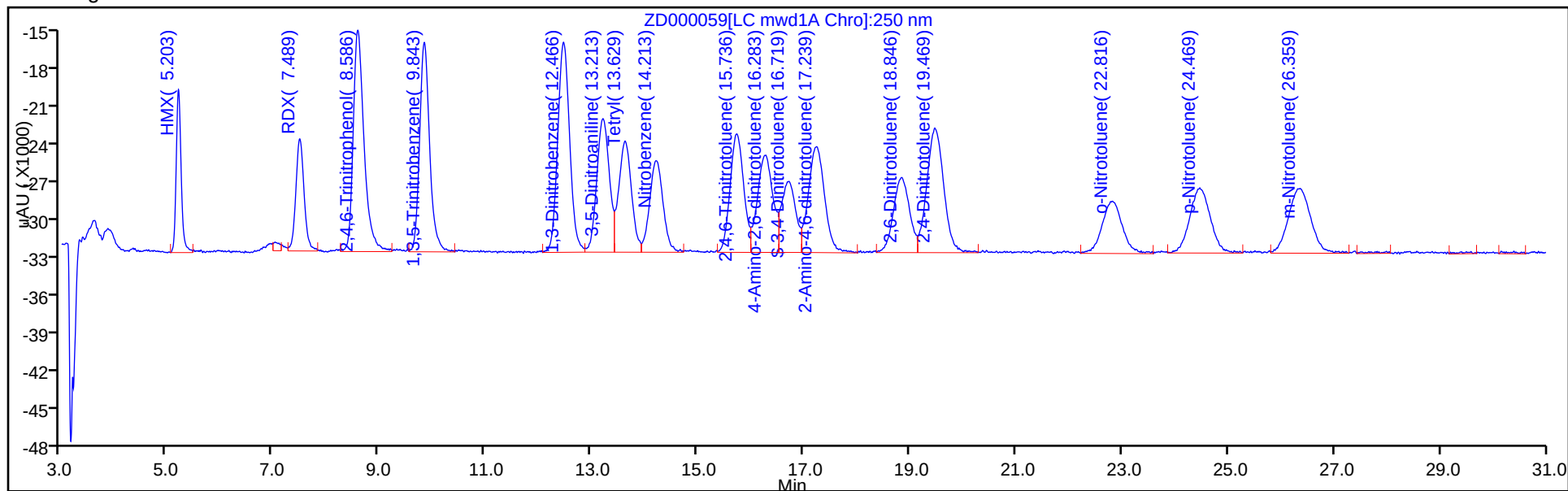
Operator ID: RN

Injection Vol: 500.0 ul

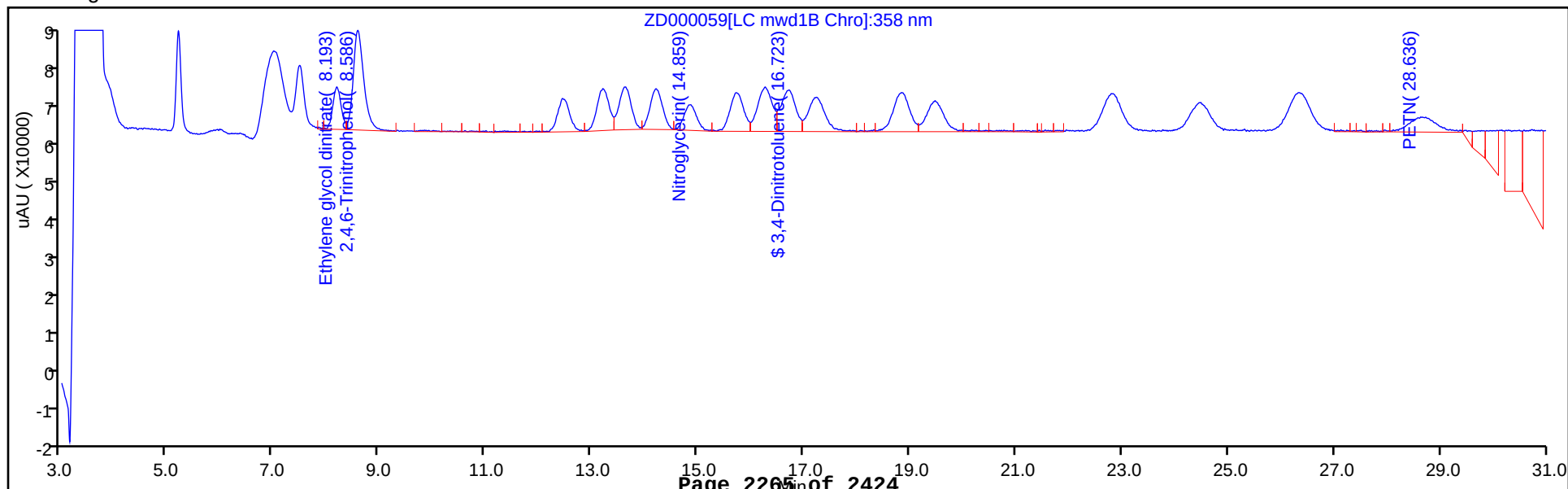
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1
 SDG No.: _____
 Lab Sample ID: CCVL 320-6640/61 Calibration Date: 12/02/2012 08:40
 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: ZD000070.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
HMX	Ave	125.8	125.2		4.98	5.00	-0.5	30.0
RDX	Ave	88.99	117.2		6.59	5.00	31.7*	30.0
1,3,5-Trinitrobenzene	Ave	162.7	189.2		5.82	5.00	16.3	30.0
1,3-Dinitrobenzene	Ave	161.7	194.8		6.02	5.00	20.5	30.0
3,5-Dinitroaniline	Ave	103.9	135.4		6.52	5.00	30.3*	30.0
Tetryl	Ave	86.55	104.0		6.01	5.00	20.2	30.0
Nitrobenzene	Ave	73.74	102.2		6.93	5.00	38.6*	30.0
Nitroglycerin	Ave	64.89	66.70		20.6	20.0	2.8	30.0
2,4,6-Trinitrotoluene	Ave	92.79	106.6		5.74	5.00	14.9	30.0
4-Amino-2,6-dinitrotoluene	Ave	75.73	107.8		7.12	5.00	42.3*	30.0
2-Amino-4,6-dinitrotoluene	Ave	83.59	120.8		7.23	5.00	44.5*	30.0
2,6-Dinitrotoluene	Ave	59.58	97.60		8.19	5.00	63.8*	30.0
2,4-Dinitrotoluene	Ave	95.97	129.6		6.75	5.00	35.0*	30.0
2-Nitrotoluene	Ave	44.56	66.00		7.41	5.00	48.1*	30.0
4-Nitrotoluene	Ave	53.43	78.60		7.36	5.00	47.1*	30.0
3-Nitrotoluene	Ave	53.94	65.60		6.08	5.00	21.6	30.0
PETN	Ave	36.72	41.40		22.5	20.0	12.7	30.0
3,4-Dinitrotoluene	Ave	56.32	60.85		21.6	20.0	8.0	30.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1
 SDG No.: _____
 Lab Sample ID: CCVL 320-6640/61 Calibration Date: 12/02/2012 08:40
 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: ZD000070.D

Analyte	RT	RT WINDOW	
		FROM	TO
HMX	5.20	4.95	5.45
RDX	7.47	7.22	7.72
1,3,5-Trinitrobenzene	9.83	9.58	10.08
1,3-Dinitrobenzene	12.47	12.22	12.72
3,5-Dinitroaniline	13.15	12.90	13.40
Tetryl	13.55	13.30	13.80
Nitrobenzene	14.20	13.95	14.45
Nitroglycerin	14.77	14.52	15.02
2,4,6-Trinitrotoluene	15.74	15.49	15.99
4-Amino-2,6-dinitrotoluene	16.23	15.98	16.48
2-Amino-4,6-dinitrotoluene	17.17	16.92	17.42
2,6-Dinitrotoluene	18.77	18.52	19.02
2,4-Dinitrotoluene	19.39	19.14	19.64
2-Nitrotoluene	22.75	22.50	23.00
4-Nitrotoluene	24.40	24.15	24.65
3-Nitrotoluene	26.24	25.99	26.49
PETN	28.56	28.31	28.81
3,4-Dinitrotoluene	16.64	16.39	16.89

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20121130-1608.b\ZD000070.D
 Lims ID: CCVL Client ID:
 Inject. Date: 02-Dec-2012 08:40:40 Dil. Factor: 1.0000
 Sample Type: CCVL
 Sample ID: 320-0001608-061
 Misc. Info.:
 Operator: RN Instrument ID: LC10
 Injection Vol: 500.0 ul ALS Bottle#: 10
 Lims Batch ID: 6640 Lims Sample ID: 61
 Sublist: chrom-8330_LC10*sub2
 Method: \\SACChrom\ChromData\LC10\20121130-1608.b\8330_LC10.m
 Last Update: 03-Dec-2012 09:44:16 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: XAWRK011

First Level Reviewer: noonanr

Date: 03-Dec-2012 09:28:54

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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11 HMX
 1 5.195 5.195 0.0 626 4.98
 19 RDX
 1 7.471 7.471 0.0 586 6.59
 27 1,3,5-Trinitrobenzene
 1 9.828 9.828 0.0 946 5.82
 24 1,3-Dinitrobenzene
 1 12.468 12.468 0.0 974 6.02
 9 3,5-Dinitroaniline
 1 13.152 13.152 0.0 677 6.52
 20 Tetryl
 1 13.548 13.548 0.0 520 6.01
 5 Nitrobenzene
 1 14.195 14.195 0.0 511 6.93
 7 Nitroglycerin
 2 14.768 14.768 0.0 1334 20.6
 25 2,4,6-Trinitrotoluene
 1 15.738 15.738 0.0 533 5.74
 26 4-Amino-2,6-dinitrotoluene
 1 16.228 16.228 0.0 539 7.12
 \$ 30 3,4-Dinitrotoluene
 1 16.635 16.635 0.0 1217 21.6
 2 16.662 16.662 0.0 2158 20.9
 6 2-Amino-4,6-dinitrotoluene
 1 17.172 17.172 0.0 604 7.23
 12 2,6-Dinitrotoluene
 1 18.765 18.765 0.0 488 8.19

Data File: \\SACChrom\ChromData\LC10\20121130-1608.b\ZD000070.D

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
23 2,4-Dinitrotoluene						
1	19.388	19.388	0.0	648	6.75	
16 o-Nitrotoluene						
1	22.748	22.748	0.0	330	7.41	
15 p-Nitrotoluene						
1	24.398	24.398	0.0	393	7.36	
8 m-Nitrotoluene						
1	26.238	26.238	0.0	328	6.08	
21 PETN						
2	28.562	28.562	0.0	828	22.5	

Report Date: 03-Dec-2012 09:44:16

Chrom Revision: 2.1 29-Nov-2012 15:29:30

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\201211130-1608.b\ZD000070.D

Injection Date: 02-Dec-2012 08:40:40

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 6640

Lims Sample ID: 61

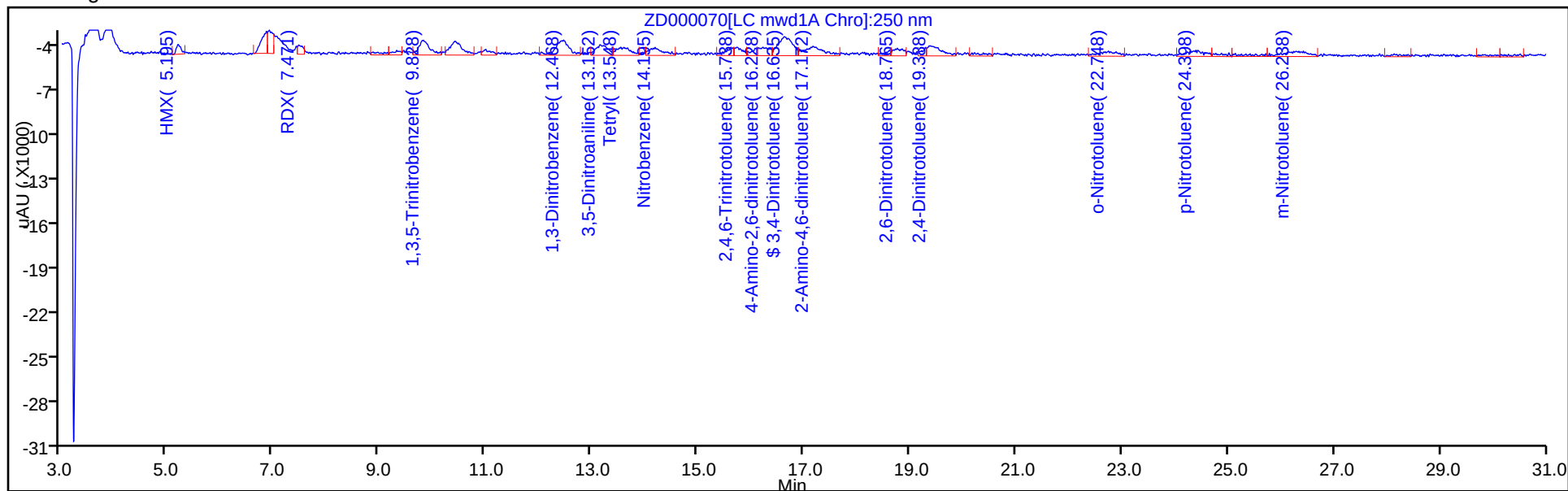
Operator ID: RN

Injection Vol: 500.0 ul

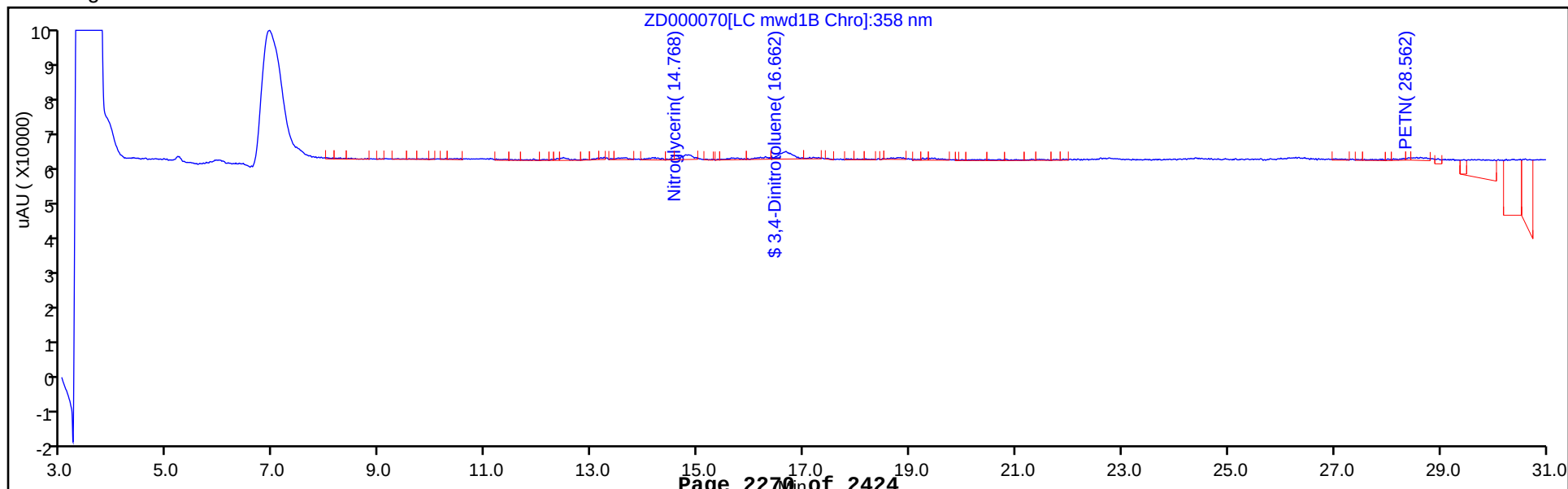
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1

SDG No.: _____

Lab Sample ID: ICV 320-4221/12 Calibration Date: 10/01/2012 23:24

Instrument ID: LC12 Calib Start Date: 10/01/2012 12:30

GC Column: Zorbax CN ID: 4.60 (mm) Calib End Date: 10/01/2012 20:08

Lab File ID: C-000014.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitrobenzene	Ave	45.60	46.99		515	500	3.1	20.0
Ethylene glycol dinitrate	Ave	21.09	23.66		561	500	12.2	20.0
1,3-Dinitrobenzene	Ave	100.4	99.30		495	500	-1.1	20.0
1,3,5-Trinitrobenzene	Ave	78.76	77.75		494	500	-1.3	20.0
2-Nitrotoluene	Ave	60.89	58.73		482	500	-3.6	20.0
4-Nitrotoluene	Ave	60.89	58.73		482	500	-3.6	20.0
3-Nitrotoluene	Ave	40.52	38.86		480	500	-4.1	20.0
3,5-Dinitroaniline	Ave	79.66	85.27		535	500	7.0	20.0
RDX	Ave	47.24	47.29		501	500	0.1	20.0
2,4-Dinitrotoluene	Ave	92.07	91.17		495	500	-1.0	20.0
2,6-Dinitrotoluene	Ave	54.36	54.14		498	500	-0.4	20.0
2-Amino-4,6-dinitrotoluene	Ave	75.88	74.17		489	500	-2.3	20.0
4-Amino-2,6-dinitrotoluene	Ave	63.14	61.58		488	500	-2.5	20.0
2,4,6-Trinitrotoluene	Ave	73.84	77.95		528	500	5.6	20.0
HMX	Ave	62.43	61.60		493	500	-1.3	20.0
Nitroglycerin	Ave	86.52	85.85		496	500	-0.8	20.0
Tetryl	Ave	117.1	125.2		535	500	6.9	20.0
PETN	Ave	151.5	154.2		509	500	1.7	20.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1
 SDG No.: _____
 Lab Sample ID: ICV 320-4221/12 Calibration Date: 10/01/2012 23:24
 Instrument ID: LC12 Calib Start Date: 10/01/2012 12:30
 GC Column: Zorbax CN ID: 4.60 (mm) Calib End Date: 10/01/2012 20:08
 Lab File ID: C-000014.D

Analyte	RT	RT WINDOW	
		FROM	TO
Nitrobenzene	21.49	21.17	21.67
Ethylene glycol dinitrate	22.41	22.10	22.60
1,3-Dinitrobenzene	24.42	24.11	24.61
1,3,5-Trinitrobenzene	26.92	26.63	27.13
2-Nitrotoluene	28.50	28.18	28.68
4-Nitrotoluene	28.50	28.18	28.68
3-Nitrotoluene	29.07	28.74	29.24
3,5-Dinitroaniline	30.56	30.23	30.73
RDX	31.22	30.88	31.38
2,4-Dinitrotoluene	32.14	31.81	32.31
2,6-Dinitrotoluene	33.12	32.78	33.28
2-Amino-4,6-dinitrotoluene	35.31	34.94	35.44
4-Amino-2,6-dinitrotoluene	35.89	35.52	36.02
2,4,6-Trinitrotoluene	39.66	39.31	39.81
HMX	41.84	41.49	41.99
Nitroglycerin	44.24	43.88	44.38
Tetryl	46.05	45.67	46.17
PETN	52.75	52.38	52.88

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC12\20121001-975.b\C-000014.D

Lims ID: ICV

Client ID:

Inject. Date: 01-Oct-2012 23:24:29

Dil. Factor: 1.0000

Sample Type: ICV

Sample ID: ICV HP8330IC_00005;2;320-0000975-012

Misc. Info.:

Operator: RN

Instrument ID: LC12

Injection Vol: 500.0 ul

ALS Bottle#: 19

Lims Batch ID: 4221

Lims Sample ID: 12

Sublist:

Method: \\SACChrom\ChromData\LC12\20121001-975.b\LC12_Conf_8330.m

Last Update: 02-Oct-2012 13:09:34

Calib Date: 01-Oct-2012 20:08:22

Quant Method: External Standard

Quant By: Initial Calibration

Last ICal File: \\SACChrom\ChromData\LC12\20121001-975.b\C-000011.D

Limit Group: LC 8330B ICAL

Integrator: Falcon

Column Type: Zorbax Cyano CN

Column Dia: 4.60 mm

Process Host: XAWRK005

First Level Reviewer: noonanr

Date: 02-Oct-2012 09:17:11

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

5 Nitrobenzene

1 21.487 21.424 0.063 23494 515.3

3 Ethylene glycol dinitrate

2 22.410 22.354 0.056 11829 560.8

24 1,3-Dinitrobenzene

1 24.420 24.360 0.060 49649 494.6

27 1,3,5-Trinitrobenzene

1 26.920 26.877 0.043 38874 493.6

16 o-Nitrotoluene

1 28.504 28.430 0.074 29363 482.2

15 p-Nitrotoluene

1 28.504 28.430 0.074 29363 482.2

8 m-Nitrotoluene

1 29.070 28.994 0.076 19432 479.5

9 3,5-Dinitroaniline

1 30.564 30.480 0.084 42633 535.2

19 RDX

1 31.217 31.134 0.083 23645 500.5

23 2,4-Dinitrotoluene

1 32.140 32.060 0.080 45585 495.1

12 2,6-Dinitrotoluene

1 33.120 33.030 0.090 27068 498.0

6 2-Amino-4,6-dinitrotoluene

1 35.307 35.194 0.113 37086 488.7

26 4-Amino-2,6-dinitrotoluene

1 35.894 35.774 0.120 30788 487.6

25 2,4,6-Trinitrotoluene

1 39.660 39.560 0.100 38974 527.8

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

1 41.844 41.740 0.104 30798 493.3

7 Nitroglycerin

2 44.244 44.130 0.114 42925 496.1

20 Tetryl

1 46.050 45.920 0.130 62583 534.6

21 PETN

2 52.750 52.630 0.120 77089 508.7

Report Date: 02-Oct-2012 13:09:37

Chrom Revision: 2.1 28-Sep-2012 12:22:52

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC12\20121001-975.b\IC-000014.D

Injection Date: 01-Oct-2012 23:24:29

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC12

Lims Batch ID: 4221

Lims Sample ID: 12

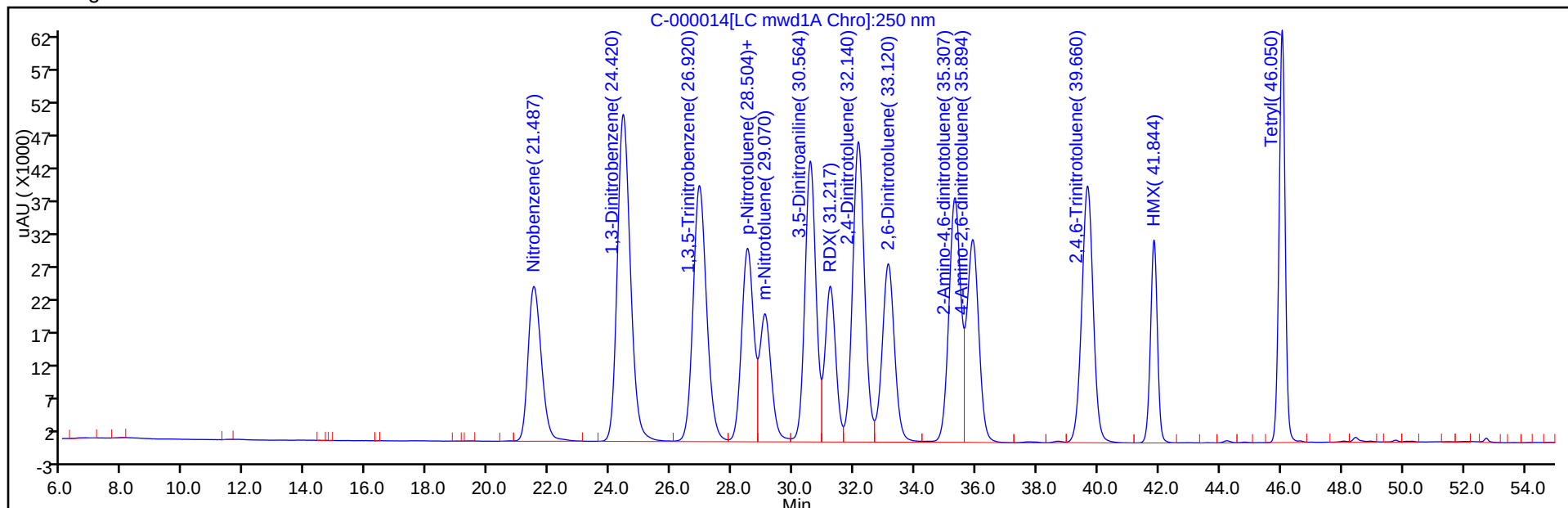
Operator ID: RN

Injection Vol: 500.0 ul

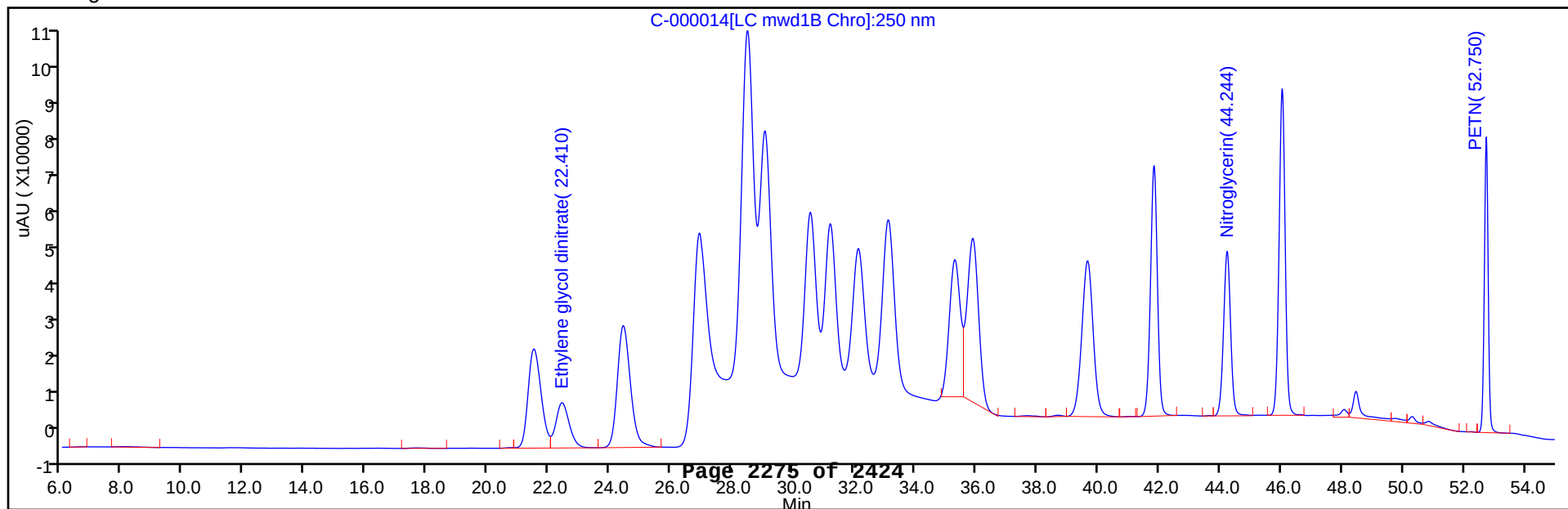
Column Type: Zorbax Cyano CN

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1
 SDG No.: _____
 Lab Sample ID: LODV 320-4221/13 Calibration Date: 10/02/2012 00:29
 Instrument ID: LC12 Calib Start Date: 10/01/2012 12:30
 GC Column: Zorbax CN ID: 4.60 (mm) Calib End Date: 10/01/2012 20:08
 Lab File ID: C-000015.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitrobenzene	Ave	45.60	51.20		5.61	5.00	12.3	
1,3-Dinitrobenzene	Ave	100.4	105.0		5.23	5.00	4.6	
1,3,5-Trinitrobenzene	Ave	78.76	79.20		5.03	5.00	0.6	
2-Nitrotoluene	Ave	60.89	62.60		5.14	5.00	2.8	
4-Nitrotoluene	Ave	60.89	62.60		5.14	5.00	2.8	
3-Nitrotoluene	Ave	40.52	38.60		4.76	5.00	-4.7	
3,5-Dinitroaniline	Ave	79.66	85.60		5.37	5.00	7.5	
RDX	Ave	47.24	52.40		5.55	5.00	10.9	
2,4-Dinitrotoluene	Ave	92.07	100.6		5.46	5.00	9.3	
2,6-Dinitrotoluene	Ave	54.36	60.00		5.52	5.00	10.4	
2-Amino-4,6-dinitrotoluene	Ave	75.88	82.20		5.42	5.00	8.3	
4-Amino-2,6-dinitrotoluene	Ave	63.14	68.20		5.40	5.00	8.0	
2,4,6-Trinitrotoluene	Ave	73.84	58.60		3.97	5.00	-20.6	
HMX	Ave	62.43	66.80		5.35	5.00	7.0	
Nitroglycerin	Ave	86.52	84.55		19.5	20.0	-2.3	
Tetryl	Ave	117.1	101.6		4.34	5.00	-13.2	
PETN	Ave	151.5	135.2		17.8	20.0	-10.8	
3,4-Dinitrotoluene	Ave	48.31	49.00		20.3	20.0	1.4	

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1
 SDG No.: _____
 Lab Sample ID: LODV 320-4221/13 Calibration Date: 10/02/2012 00:29
 Instrument ID: LC12 Calib Start Date: 10/01/2012 12:30
 GC Column: Zorbax CN ID: 4.60 (mm) Calib End Date: 10/01/2012 20:08
 Lab File ID: C-000015.D

Analyte	RT	RT WINDOW	
		FROM	TO
Nitrobenzene	21.49	21.17	21.67
1,3-Dinitrobenzene	24.42	24.11	24.61
1,3,5-Trinitrobenzene	26.90	26.63	27.13
2-Nitrotoluene	28.53	28.18	28.68
4-Nitrotoluene	28.53	28.18	28.68
3-Nitrotoluene	29.12	28.74	29.24
3,5-Dinitroaniline	30.58	30.23	30.73
RDX	31.20	30.88	31.38
2,4-Dinitrotoluene	32.17	31.81	32.31
2,6-Dinitrotoluene	33.15	32.78	33.28
2-Amino-4,6-dinitrotoluene	35.30	34.94	35.44
4-Amino-2,6-dinitrotoluene	35.93	35.52	36.02
2,4,6-Trinitrotoluene	39.68	39.31	39.81
HMX	41.83	41.49	41.99
Nitroglycerin	44.24	43.88	44.38
Tetryl	46.05	45.67	46.17
PETN	52.75	52.38	52.88
Ethylene glycol dinitrate			
3,4-Dinitrotoluene	37.71	37.35	37.85

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC12\20121001-975.b\C-000015.D
 Lims ID: LODV 5-20ng/mL Client ID:
 Inject. Date: 02-Oct-2012 00:29:51 Dil. Factor: 1.0000
 Sample Type: LODV
 Sample ID: LODV HP8330ICL_00002;2;320-0000975-013
 Misc. Info.:
 Operator: RN Instrument ID: LC12
 Injection Vol: 500.0 ul ALS Bottle#: 20
 Lims Batch ID: 4221 Lims Sample ID: 13
 Method: \\SACChrom\ChromData\LC12\20121001-975.b\LC12_Conf_8330.m
 Last Update: 02-Oct-2012 13:57:03 Calib Date: 01-Oct-2012 20:08:22
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC12\20121001-975.b\C-000011.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Zorbax Cyano CN Column Dia: 4.60 mm
 Process Host: XAWRK005

First Level Reviewer: noonanr

Date: 02-Oct-2012 13:57:03

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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5 Nitrobenzene						
1	21.489	21.424	0.065	256	5.61	
24 1,3-Dinitrobenzene						
1	24.419	24.360	0.059	525	5.23	
27 1,3,5-Trinitrobenzene						
1	26.895	26.877	0.018	396	5.03	
16 o-Nitrotoluene						
1	28.532	28.430	0.102	313	5.14	
15 p-Nitrotoluene						
1	28.532	28.430	0.102	313	5.14	
8 m-Nitrotoluene						
1	29.115	28.994	0.121	193	4.76	
9 3,5-Dinitroaniline						
1	30.575	30.480	0.095	428	5.37	
19 RDX						
1	31.195	31.134	0.061	262	5.55	
23 2,4-Dinitrotoluene						
1	32.169	32.060	0.109	503	5.46	
12 2,6-Dinitrotoluene						
1	33.149	33.030	0.119	300	5.52	
6 2-Amino-4,6-dinitrotoluene						
1	35.302	35.194	0.108	411	5.42	
26 4-Amino-2,6-dinitrotoluene						
1	35.932	35.774	0.158	341	5.40	
\$ 30 3,4-Dinitrotoluene						
1	37.705	37.604	0.101	980	20.3	
25 2,4,6-Trinitrotoluene						
1	39.679	39.560	0.119	293	3.97	

Data File: \\SACChrom\ChromData\LC12\20121001-975.b\C-000015.D

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	41.832	41.740	0.092	334	5.35	
7 Nitroglycerin						
2	44.242	44.130	0.112	1691	19.5	
20 Tetryl						
1	46.052	45.920	0.132	508	4.34	
21 PETN						
2	52.752	52.630	0.122	2703	17.8	M

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 02-Oct-2012 13:57:03

Chrom Revision: 2.1 28-Sep-2012 12:22:52

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC12\20121001-975.b\IC-000015.D

Injection Date: 02-Oct-2012 00:29:51

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC12

Lims Batch ID: 4221

Lims Sample ID: 13

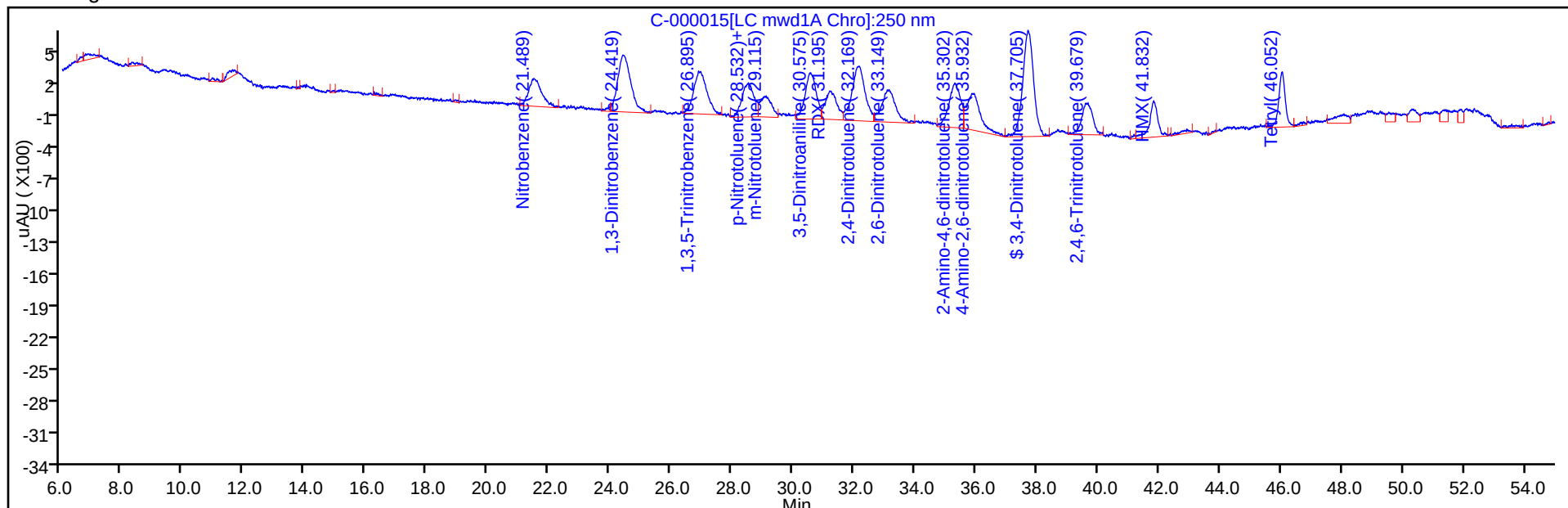
Operator ID: RN

Injection Vol: 500.0 ul

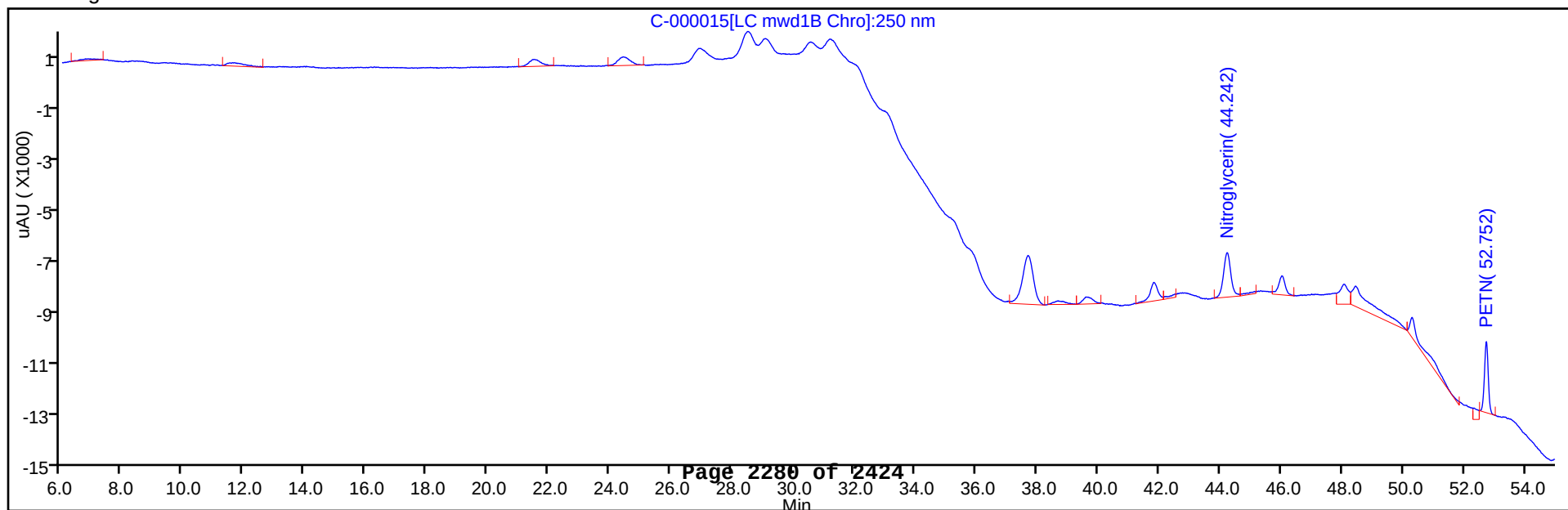
Column Type: Zorbax Cyano CN

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



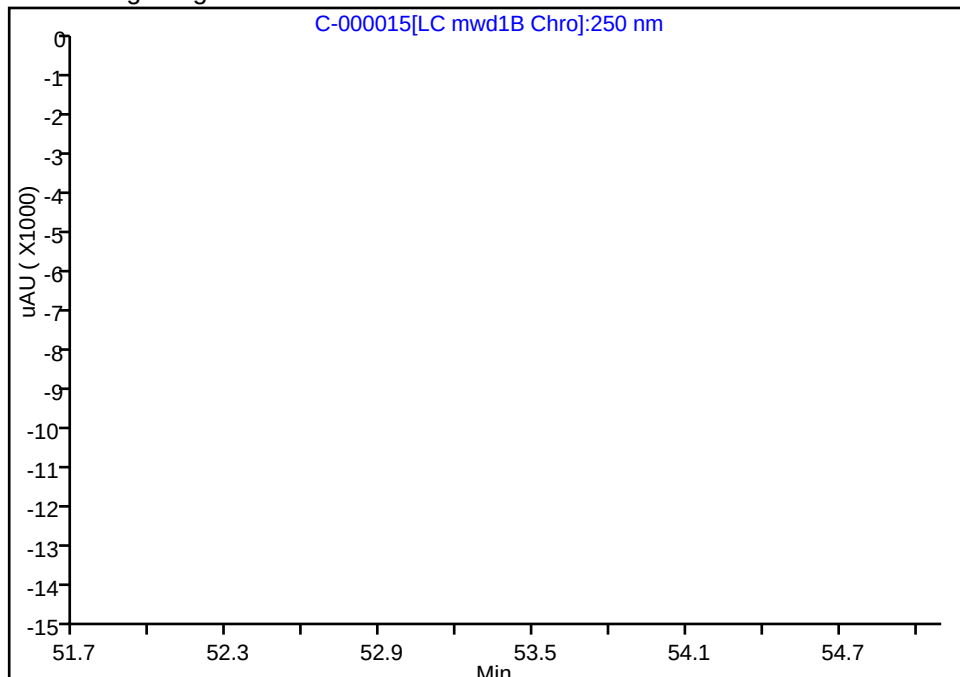
TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\LC12\20121001-975.b\C-000015.D		
Injection Date:	02-Oct-2012 00:29:51	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC12
Lims Batch ID:	4221	Lims Sample ID:	13
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Zorbax Cyano CN	Column Dia:	4.60 mm

21 PETN, Signal: 1, Type: quant, RT: 52.63, Det: LC mwd1B

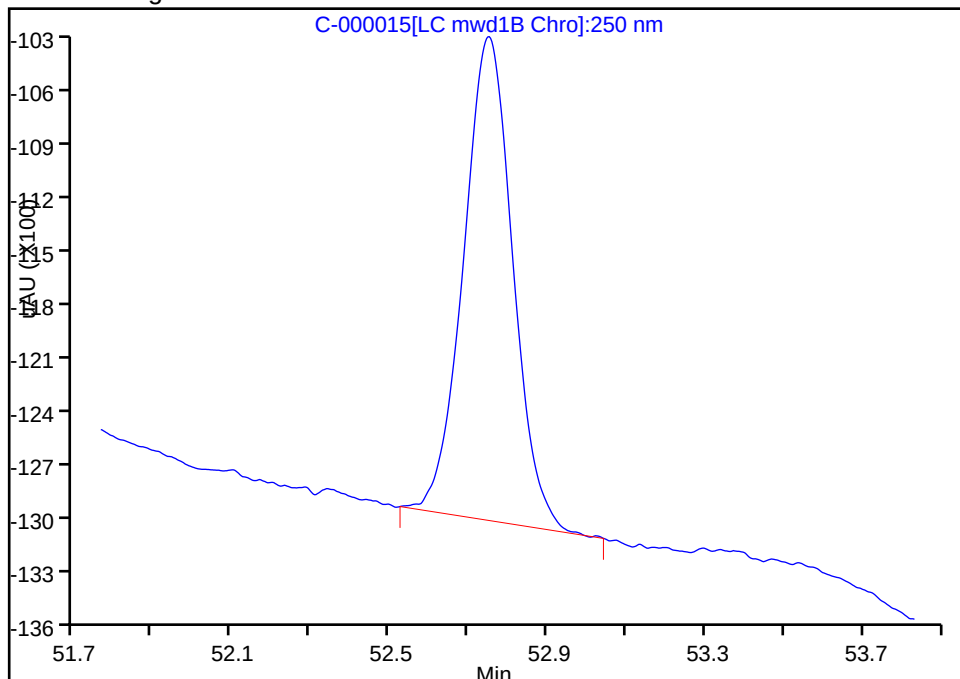
RT: 52.75
Response: 3116
Amount: 20.562748

Processing Integration Results



RT: 52.75
Response: 2703
Amount: 17.837326

Manual Integration Results



Reviewer: noonanr, 02-Oct-2012 09:20:32

Audit Action: Manually Integrated

Audit Reason: Baseline

FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1
 SDG No.: _____
 Lab Sample ID: CCVL 320-6840/3 Calibration Date: 12/04/2012 14:46
 Instrument ID: LC12 Calib Start Date: 10/01/2012 12:30
 GC Column: Zorbax CN ID: 4.60 (mm) Calib End Date: 10/01/2012 20:08
 Lab File ID: D000004.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitrobenzene	Ave	45.60	50.80		5.57	5.00	11.4	30.0
1,3-Dinitrobenzene	Ave	100.4	106.6		5.31	5.00	6.2	30.0
1,3,5-Trinitrobenzene	Ave	78.76	79.00		5.02	5.00	0.3	30.0
2-Nitrotoluene	Ave	60.89	61.60		5.06	5.00	1.2	30.0
4-Nitrotoluene	Ave	60.89	61.60		5.06	5.00	1.2	30.0
3-Nitrotoluene	Ave	40.52	41.80		5.16	5.00	3.2	30.0
3,5-Dinitroaniline	Ave	79.66	84.20		5.28	5.00	5.7	30.0
RDX	Ave	47.24	49.80		5.27	5.00	5.4	30.0
2,4-Dinitrotoluene	Ave	92.07	100.8		5.47	5.00	9.5	30.0
2,6-Dinitrotoluene	Ave	54.36	71.60		6.59	5.00	31.7*	30.0
2-Amino-4,6-dinitrotoluene	Ave	75.88	82.80		5.46	5.00	9.1	30.0
4-Amino-2,6-dinitrotoluene	Ave	63.14	67.80		5.37	5.00	7.4	30.0
2,4,6-Trinitrotoluene	Ave	73.84	56.00		3.79	5.00	-24.2	30.0
HMX	Ave	62.43	57.00		4.57	5.00	-8.7	30.0
Nitroglycerin	Ave	86.52	74.90		17.3	20.0	-13.4	30.0
Tetryl	Ave	117.1	95.20		4.07	5.00	-18.7	30.0
PETN	Ave	151.5	130.1		17.2	20.0	-14.1	30.0
3,4-Dinitrotoluene	Ave	48.31	41.75		17.3	20.0	-13.6	30.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1
 SDG No.: _____
 Lab Sample ID: CCVL 320-6840/3 Calibration Date: 12/04/2012 14:46
 Instrument ID: LC12 Calib Start Date: 10/01/2012 12:30
 GC Column: Zorbax CN ID: 4.60 (mm) Calib End Date: 10/01/2012 20:08
 Lab File ID: D000004.D

Analyte	RT	RT WINDOW	
		FROM	TO
Nitrobenzene	20.73	20.48	20.98
1,3-Dinitrobenzene	23.48	23.23	23.73
1,3,5-Trinitrobenzene	25.73	25.48	25.98
2-Nitrotoluene	27.54	27.29	27.79
4-Nitrotoluene	27.54	27.29	27.79
3-Nitrotoluene	28.14	27.89	28.39
3,5-Dinitroaniline	29.45	29.20	29.70
RDX	30.19	29.94	30.44
2,4-Dinitrotoluene	30.99	30.74	31.24
2,6-Dinitrotoluene	31.87	31.62	32.12
2-Amino-4,6-dinitrotoluene	34.03	33.78	34.28
4-Amino-2,6-dinitrotoluene	34.56	34.31	34.81
2,4,6-Trinitrotoluene	38.17	37.92	38.42
HMX	40.92	40.67	41.17
Nitroglycerin	43.25	43.00	43.50
Tetryl	45.23	44.98	45.48
PETN	52.20	51.95	52.45
3,4-Dinitrotoluene	36.44	36.19	36.69

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC12\20121204-1667.b\D000004.D
 Lims ID: CCVL Client ID:
 Inject. Date: 04-Dec-2012 14:46:10 Dil. Factor: 1.0000
 Sample Type: CCVL
 Sample ID: 320-0001667-003
 Misc. Info.:
 Operator: RN Instrument ID: LC12
 Injection Vol: 500.0 ul ALS Bottle#: 10
 Lims Batch ID: 6840 Lims Sample ID: 3
 Sublist: chrom-LC12_Conf_8330*sub4
 Method: \\SACChrom\ChromData\LC12\20121204-1667.b\LC12_Conf_8330.m
 Last Update: 05-Dec-2012 08:34:05 Calib Date: 19-Nov-2012 14:12:43
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC12\20121116-1443.b\P000007.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Zorbax Cyano CN Column Dia: 4.60 mm
 Process Host: XAWRK034

First Level Reviewer: noonanr

Date: 05-Dec-2012 08:34:05

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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5 Nitrobenzene						
1	20.730	20.730	0.0	254	5.57	
24 1,3-Dinitrobenzene						
1	23.483	23.483	0.0	533	5.31	
27 1,3,5-Trinitrobenzene						
1	25.730	25.730	0.0	395	5.02	
16 o-Nitrotoluene						
1	27.543	27.543	0.0	308	5.06	
15 p-Nitrotoluene						
1	27.543	27.543	0.0	308	5.06	
8 m-Nitrotoluene						
1	28.136	28.136	0.0	209	5.16	
9 3,5-Dinitroaniline						
1	29.453	29.453	0.0	421	5.28	
19 RDX						
1	30.186	30.186	0.0	249	5.27	
23 2,4-Dinitrotoluene						
1	30.993	30.993	0.0	504	5.47	
12 2,6-Dinitrotoluene						
1	31.866	31.866	0.0	358	6.59	
6 2-Amino-4,6-dinitrotoluene						
1	34.033	34.033	0.0	414	5.46	
26 4-Amino-2,6-dinitrotoluene						
1	34.563	34.563	0.0	339	5.37	
\$ 30 3,4-Dinitrotoluene						
1	36.443	36.443	0.0	835	17.3	
25 2,4,6-Trinitrotoluene						
1	38.166	38.166	0.0	280	3.79	

Data File: \\SACChrom\ChromData\LC12\20121204-1667.b\D000004.D

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

1 40.920 40.920 0.0 285 4.57

7 Nitroglycerin

2 43.253 43.253 0.0 1498 17.3

20 Tetryl

1 45.230 45.230 0.0 476 4.07

21 PETN

2 52.200 52.200 0.0 2602 17.2

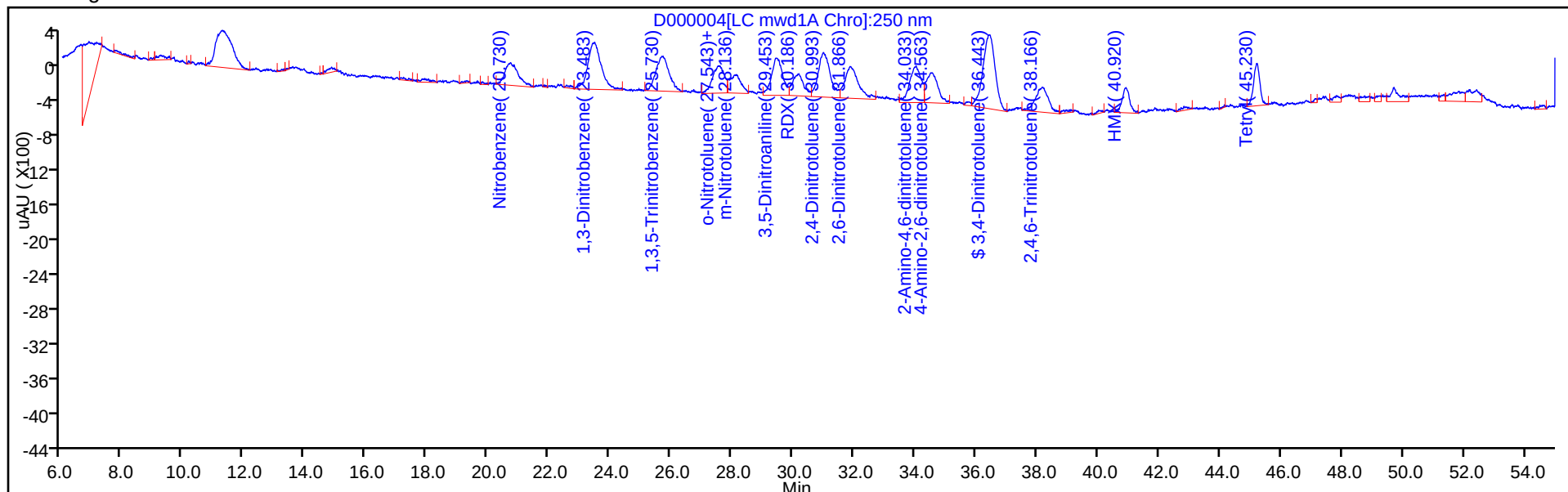
Report Date: 05-Dec-2012 08:34:05

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

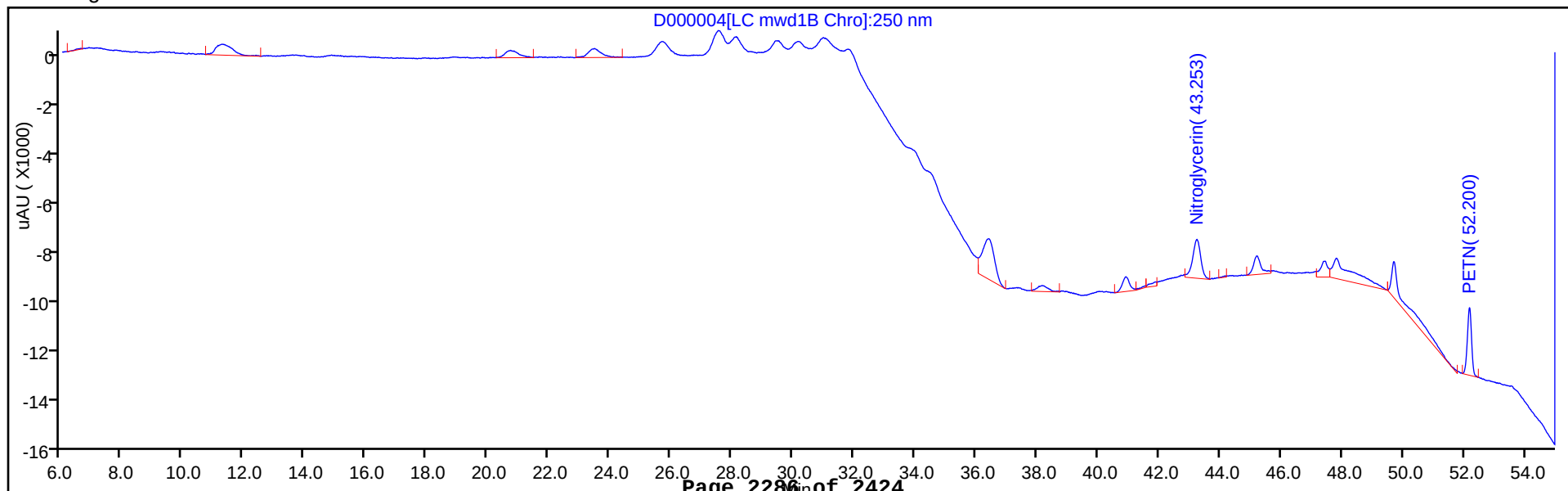
TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC12\20121204-1667.b\ID000004.D
Injection Date: 04-Dec-2012 14:46:10 Limit Group: LC 8330B ICAL
Client ID: Instrument ID: LC12
Lims Batch ID: 6840 Lims Sample ID: 3
Operator ID: RN Injection Vol: 500.0 ul
Column Type: Zorbax Cyano CN Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1
 SDG No.: _____
 Lab Sample ID: STD5 320-6840/4 Calibration Date: 12/04/2012 15:51
 Instrument ID: LC12 Calib Start Date: 10/01/2012 12:30
 GC Column: Zorbax CN ID: 4.60 (mm) Calib End Date: 10/01/2012 20:08
 Lab File ID: D000005.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitrobenzene	Ave	45.60	46.70		102	100	2.4	20.0
Ethylene glycol dinitrate	Ave	21.09	23.16		110	100	9.8	20.0
1,3-Dinitrobenzene	Ave	100.4	102.8		102	100	2.4	20.0
1,3,5-Trinitrobenzene	Ave	78.76	79.19		101	100	0.5	20.0
2-Nitrotoluene	Ave	60.89	58.02		95.3	100	-4.7	20.0
4-Nitrotoluene	Ave	60.89	58.02		95.3	100	-4.7	20.0
3-Nitrotoluene	Ave	40.52	38.90		96.0	100	-4.0	20.0
3,5-Dinitroaniline	Ave	79.66	78.90		99.0	100	-1.0	20.0
RDX	Ave	47.24	46.14		97.7	100	-2.3	20.0
2,4-Dinitrotoluene	Ave	92.07	95.49		104	100	3.7	20.0
2,6-Dinitrotoluene	Ave	54.36	57.41		106	100	5.6	20.0
2-Amino-4,6-dinitrotoluene	Ave	75.88	76.25		100	100	0.5	20.0
4-Amino-2,6-dinitrotoluene	Ave	63.14	64.33		102	100	1.9	20.0
2,4,6-Trinitrotoluene	Ave	73.84	65.49		88.7	100	-11.3	20.0
HMX	Ave	62.43	56.23		90.1	100	-9.9	20.0
Nitroglycerin	Ave	86.52	78.40		90.6	100	-9.4	20.0
Tetryl	Ave	117.1	111.5		95.2	100	-4.8	20.0
PETN	Ave	151.5	148.9		98.3	100	-1.7	20.0
3,4-Dinitrotoluene	Ave	48.31	41.78		86.5	100	-13.5	20.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1
 SDG No.: _____
 Lab Sample ID: STD5 320-6840/4 Calibration Date: 12/04/2012 15:51
 Instrument ID: LC12 Calib Start Date: 10/01/2012 12:30
 GC Column: Zorbax CN ID: 4.60 (mm) Calib End Date: 10/01/2012 20:08
 Lab File ID: D000005.D

Analyte	RT	RT WINDOW	
		FROM	TO
Nitrobenzene	20.69	20.44	20.94
Ethylene glycol dinitrate	21.40	21.15	21.65
1,3-Dinitrobenzene	23.44	23.19	23.69
1,3,5-Trinitrobenzene	25.68	25.43	25.93
2-Nitrotoluene	27.54	27.29	27.79
4-Nitrotoluene	27.54	27.29	27.79
3-Nitrotoluene	28.09	27.84	28.34
3,5-Dinitroaniline	29.46	29.21	29.71
RDX	30.14	29.89	30.39
2,4-Dinitrotoluene	31.01	30.76	31.26
2,6-Dinitrotoluene	31.91	31.66	32.16
2-Amino-4,6-dinitrotoluene	34.04	33.79	34.29
4-Amino-2,6-dinitrotoluene	34.57	34.32	34.82
2,4,6-Trinitrotoluene	38.20	37.95	38.45
HMX	40.94	40.69	41.19
Nitroglycerin	43.29	43.04	43.54
Tetryl	45.24	44.99	45.49
PETN	52.21	51.96	52.46
3,4-Dinitrotoluene	36.47	36.22	36.72

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC12\20121204-1667.b\D000005.D
 Lims ID: STD5 Client ID:
 Inject. Date: 04-Dec-2012 15:51:42 Dil. Factor: 1.0000
 Sample Type: CCVRT
 Sample ID: 320-0001667-004
 Misc. Info.:
 Operator: RN Instrument ID: LC12
 Injection Vol: 500.0 ul ALS Bottle#: 2
 Lims Batch ID: 6840 Lims Sample ID: 4
 Sublist: chrom-LC12_Conf_8330*sub1
 Method: \\SACChrom\ChromData\LC12\20121204-1667.b\LC12_Conf_8330.m
 Last Update: 05-Dec-2012 08:35:01 Calib Date: 19-Nov-2012 14:12:43
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC12\20121116-1443.b\P000007.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Zorbax Cyano CN Column Dia: 4.60 mm
 Process Host: XAWRK034

First Level Reviewer: noonanr

Date: 05-Dec-2012 08:35:01

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
5 Nitrobenzene						
1	20.692	20.692	0.0	4670	102.4	
3 Ethylene glycol dinitrate						
2	21.395	21.395	0.0	2316	109.8	
24 1,3-Dinitrobenzene						
1	23.442	23.442	0.0	10280	102.4	
27 1,3,5-Trinitrobenzene						
1	25.678	25.678	0.0	7919	100.5	
16 o-Nitrotoluene						
1	27.542	27.542	0.0	5802	95.3	
15 p-Nitrotoluene						
1	27.542	27.542	0.0	5802	95.3	
8 m-Nitrotoluene						
1	28.088	28.088	0.0	3890	96.0	
9 3,5-Dinitroaniline						
1	29.458	29.458	0.0	7890	99.0	
19 RDX						
1	30.142	30.142	0.0	4614	97.7	
23 2,4-Dinitrotoluene						
1	31.005	31.005	0.0	9549	103.7	
12 2,6-Dinitrotoluene						
1	31.908	31.908	0.0	5741	105.6	
6 2-Amino-4,6-dinitrotoluene						
1	34.038	34.038	0.0	7625	100.5	
26 4-Amino-2,6-dinitrotoluene						
1	34.572	34.572	0.0	6433	101.9	
\$ 30 3,4-Dinitrotoluene						
1	36.465	36.465	0.0	4178	86.5	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
25 2,4,6-Trinitrotoluene						
1	38.198	38.198	0.0	6549	88.7	
11 HMX						
1	40.938	40.938	0.0	5623	90.1	
7 Nitroglycerin						
2	43.285	43.285	0.0	7840	90.6	
20 Tetryl						
1	45.242	45.242	0.0	11150	95.2	
21 PETN						
2	52.208	52.208	0.0	14891	98.3	

Report Date: 05-Dec-2012 08:35:01

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

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC12\20121204-1667.b\ID000005.D

Injection Date: 04-Dec-2012 15:51:42

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC12

Lims Batch ID: 6840

Lims Sample ID: 4

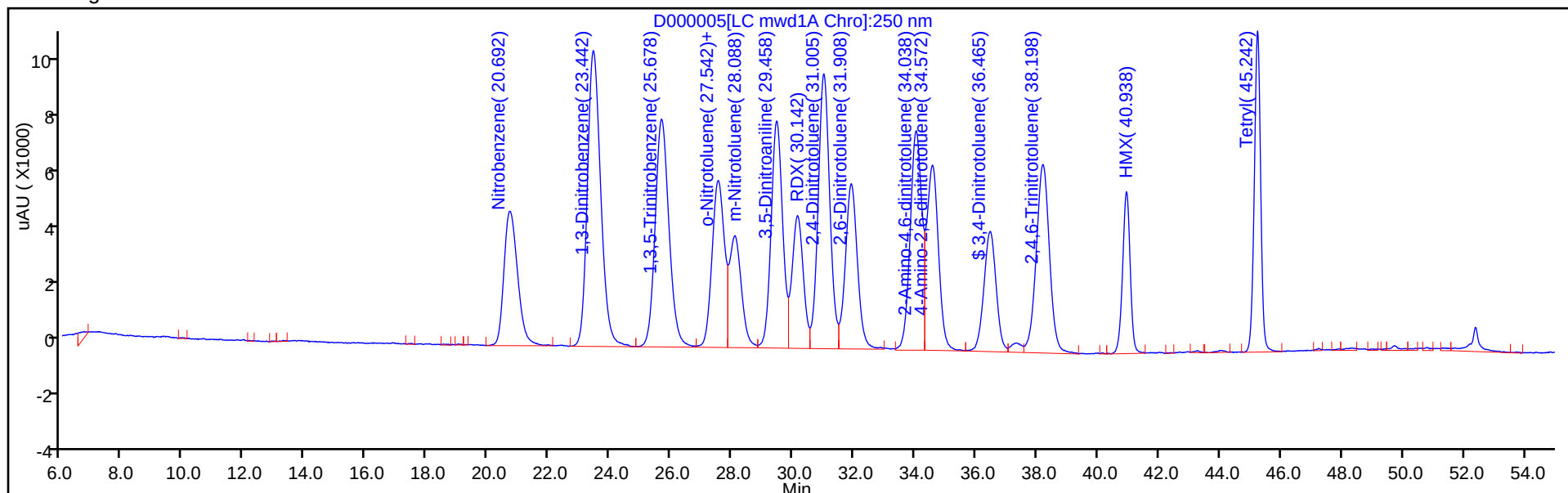
Operator ID: RN

Injection Vol: 500.0 ul

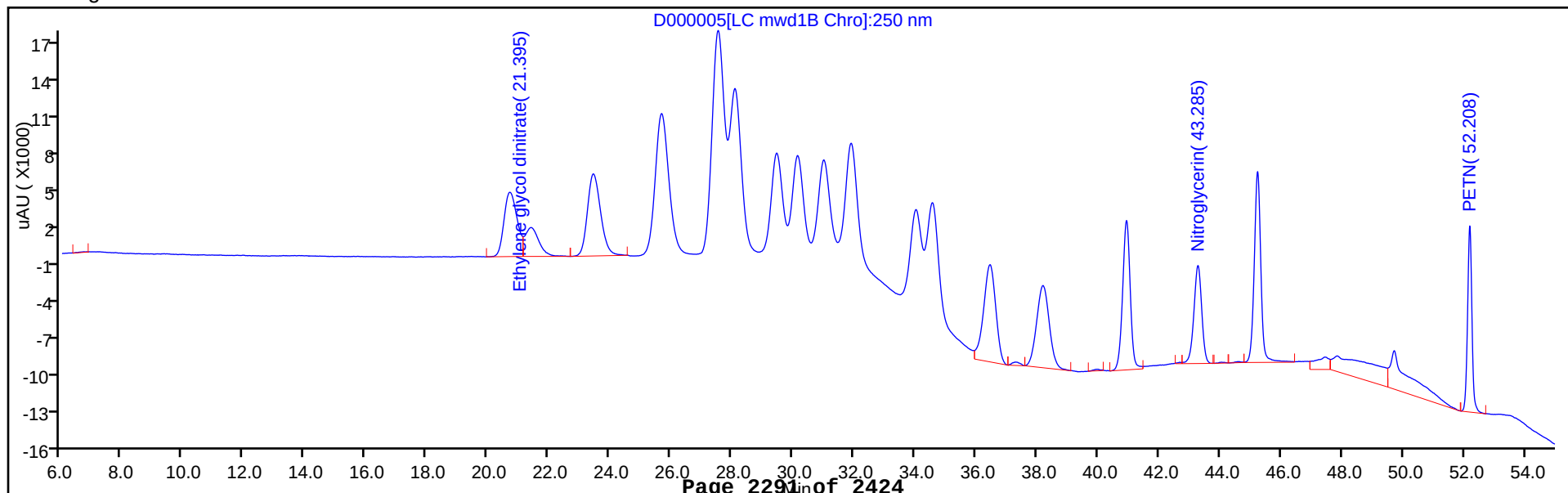
Column Type: Zorbax Cyano CN

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1
 SDG No.: _____
 Lab Sample ID: CCVL 320-6840/13 Calibration Date: 12/05/2012 01:40
 Instrument ID: LC12 Calib Start Date: 10/01/2012 12:30
 GC Column: Zorbax CN ID: 4.60 (mm) Calib End Date: 10/01/2012 20:08
 Lab File ID: D000014.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitrobenzene	Ave	45.60	49.60		5.44	5.00	8.8	30.0
1,3-Dinitrobenzene	Ave	100.4	104.8		5.22	5.00	4.4	30.0
1,3,5-Trinitrobenzene	Ave	78.76	79.20		5.03	5.00	0.6	30.0
2-Nitrotoluene	Ave	60.89	61.60		5.06	5.00	1.2	30.0
4-Nitrotoluene	Ave	60.89	61.60		5.06	5.00	1.2	30.0
3-Nitrotoluene	Ave	40.52	41.60		5.13	5.00	2.7	30.0
3,5-Dinitroaniline	Ave	79.66	83.80		5.26	5.00	5.2	30.0
RDX	Ave	47.24	52.80		5.59	5.00	11.8	30.0
2,4-Dinitrotoluene	Ave	92.07	105.0		5.70	5.00	14.0	30.0
2,6-Dinitrotoluene	Ave	54.36	69.80		6.42	5.00	28.4	30.0
2-Amino-4,6-dinitrotoluene	Ave	75.88	84.80		5.59	5.00	11.7	30.0
4-Amino-2,6-dinitrotoluene	Ave	63.14	74.20		5.88	5.00	17.5	30.0
2,4,6-Trinitrotoluene	Ave	73.84	52.00		3.52	5.00	-29.6	30.0
HMX	Ave	62.43	60.40		4.84	5.00	-3.3	30.0
Nitroglycerin	Ave	86.52	80.60		18.6	20.0	-6.8	30.0
Tetryl	Ave	117.1	103.2		4.41	5.00	-11.8	30.0
PETN	Ave	151.5	131.7		17.4	20.0	-13.1	30.0
3,4-Dinitrotoluene	Ave	48.31	42.55		17.6	20.0	-11.9	30.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1
 SDG No.: _____
 Lab Sample ID: CCVL 320-6840/13 Calibration Date: 12/05/2012 01:40
 Instrument ID: LC12 Calib Start Date: 10/01/2012 12:30
 GC Column: Zorbax CN ID: 4.60 (mm) Calib End Date: 10/01/2012 20:08
 Lab File ID: D000014.D

Analyte	RT	RT WINDOW	
		FROM	TO
Nitrobenzene	20.79	20.54	21.04
1,3-Dinitrobenzene	23.59	23.34	23.84
1,3,5-Trinitrobenzene	25.78	25.53	26.03
2-Nitrotoluene	27.64	27.39	27.89
4-Nitrotoluene	27.64	27.39	27.89
3-Nitrotoluene	28.20	27.95	28.45
3,5-Dinitroaniline	29.59	29.34	29.84
RDX	30.25	30.00	30.50
2,4-Dinitrotoluene	31.10	30.85	31.35
2,6-Dinitrotoluene	32.04	31.79	32.29
2-Amino-4,6-dinitrotoluene	34.12	33.87	34.37
4-Amino-2,6-dinitrotoluene	34.68	34.43	34.93
2,4,6-Trinitrotoluene	38.32	38.07	38.57
HMX	41.00	40.75	41.25
Nitroglycerin	43.34	43.09	43.59
Tetryl	45.29	45.04	45.54
PETN	52.23	51.98	52.48
3,4-Dinitrotoluene	36.56	36.31	36.81

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC12\20121204-1667.b\D000014.D
 Lims ID: CCVL Client ID:
 Inject. Date: 05-Dec-2012 01:40:25 Dil. Factor: 1.0000
 Sample Type: CCVL
 Sample ID: 320-0001667-013
 Misc. Info.:
 Operator: RN Instrument ID: LC12
 Injection Vol: 500.0 ul ALS Bottle#: 10
 Lims Batch ID: 6840 Lims Sample ID: 13
 Sublist: chrom-LC12_Conf_8330*sub4
 Method: \\SACChrom\ChromData\LC12\20121204-1667.b\LC12_Conf_8330.m
 Last Update: 05-Dec-2012 09:13:28 Calib Date: 19-Nov-2012 14:12:43
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC12\20121116-1443.b\P000007.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Zorbax Cyano CN Column Dia: 4.60 mm
 Process Host: XAWRK034

First Level Reviewer: noonanr

Date: 05-Dec-2012 09:13:28

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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5 Nitrobenzene						
1	20.786	20.786	0.0	248	5.44	
24 1,3-Dinitrobenzene						
1	23.590	23.590	0.0	524	5.22	
27 1,3,5-Trinitrobenzene						
1	25.776	25.776	0.0	396	5.03	
16 o-Nitrotoluene						
1	27.640	27.640	0.0	308	5.06	
15 p-Nitrotoluene						
1	27.640	27.640	0.0	308	5.06	
8 m-Nitrotoluene						
1	28.200	28.200	0.0	208	5.13	
9 3,5-Dinitroaniline						
1	29.590	29.590	0.0	419	5.26	
19 RDX						
1	30.250	30.250	0.0	264	5.59	
23 2,4-Dinitrotoluene						
1	31.100	31.100	0.0	525	5.70	
12 2,6-Dinitrotoluene						
1	32.040	32.040	0.0	349	6.42	
6 2-Amino-4,6-dinitrotoluene						
1	34.123	34.123	0.0	424	5.59	
26 4-Amino-2,6-dinitrotoluene						
1	34.680	34.680	0.0	371	5.88	
\$ 30 3,4-Dinitrotoluene						
1	36.560	36.560	0.0	851	17.6	
25 2,4,6-Trinitrotoluene						
1	38.316	38.316	0.0	260	3.52	

Data File: \\SACChrom\ChromData\LC12\20121204-1667.b\D000014.D

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

1 40.996 40.996 0.0 302 4.84

7 Nitroglycerin

2 43.340 43.340 0.0 1612 18.6

20 Tetryl

1 45.293 45.293 0.0 516 4.41

21 PETN

2 52.226 52.226 0.0 2633 17.4

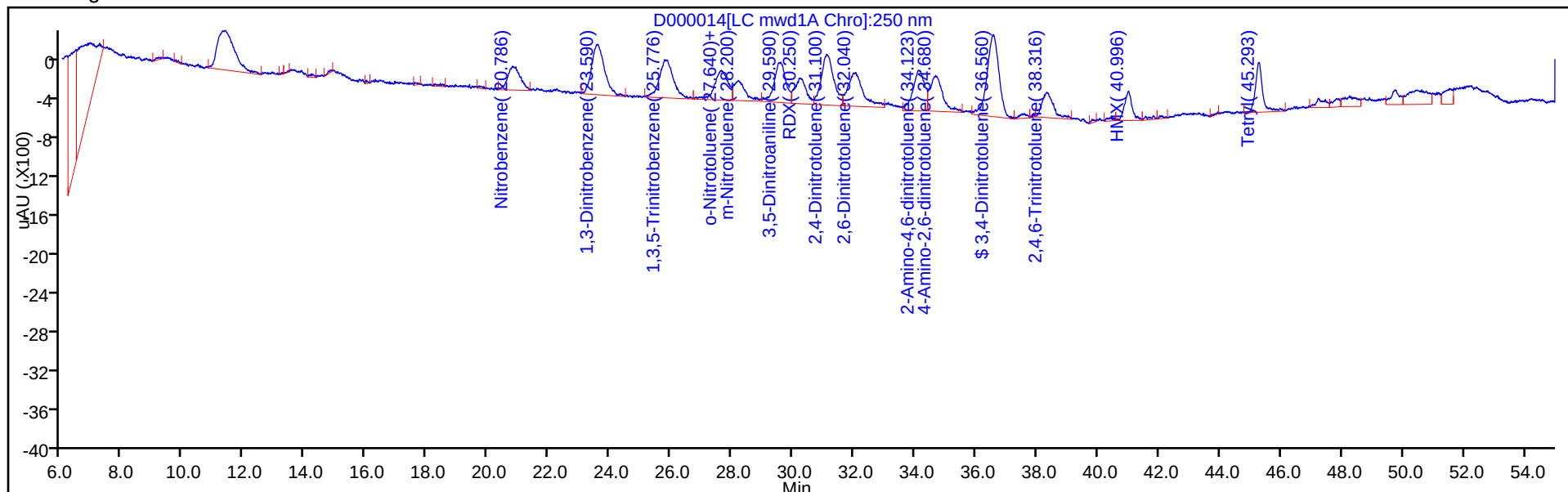
Report Date: 05-Dec-2012 09:13:28

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

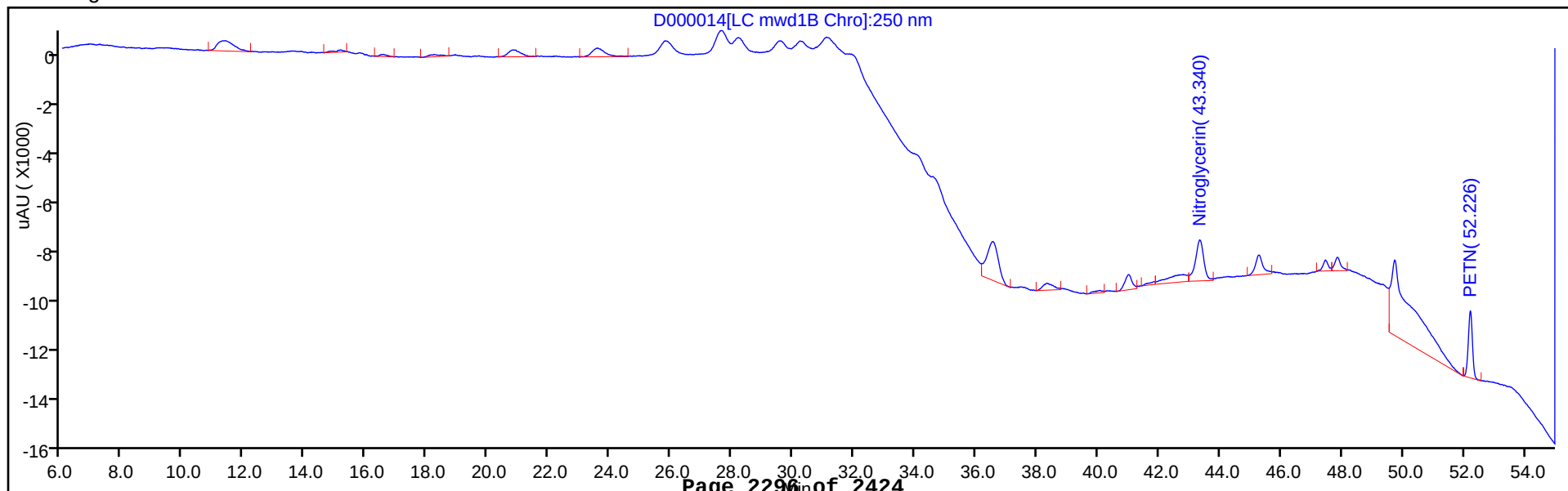
TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC12\20121204-1667.b\ID000014.D
Injection Date: 05-Dec-2012 01:40:25 Limit Group: LC 8330B ICAL
Client ID: Instrument ID: LC12
Lims Batch ID: 6840 Lims Sample ID: 13
Operator ID: RN Injection Vol: 500.0 ul
Column Type: Zorbax Cyano CN Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1
 SDG No.: _____
 Lab Sample ID: STD6 320-6840/14 Calibration Date: 12/05/2012 02:45
 Instrument ID: LC12 Calib Start Date: 10/01/2012 12:30
 GC Column: Zorbax CN ID: 4.60 (mm) Calib End Date: 10/01/2012 20:08
 Lab File ID: D000015.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitrobenzene	Ave	45.60	44.88		197	200	-1.6	20.0
Ethylene glycol dinitrate	Ave	21.09	22.35		212	200	6.0	20.0
1,3-Dinitrobenzene	Ave	100.4	98.76		197	200	-1.6	20.0
1,3,5-Trinitrobenzene	Ave	78.76	76.72		195	200	-2.6	20.0
2-Nitrotoluene	Ave	60.89	56.39		185	200	-7.4	20.0
4-Nitrotoluene	Ave	60.89	56.39		185	200	-7.4	20.0
3-Nitrotoluene	Ave	40.52	37.93		187	200	-6.4	20.0
3,5-Dinitroaniline	Ave	79.66	77.43		194	200	-2.8	20.0
RDX	Ave	47.24	44.86		190	200	-5.0	20.0
2,4-Dinitrotoluene	Ave	92.07	93.01		202	200	1.0	20.0
2,6-Dinitrotoluene	Ave	54.36	54.49		200	200	0.2	20.0
2-Amino-4,6-dinitrotoluene	Ave	75.88	73.88		195	200	-2.6	20.0
4-Amino-2,6-dinitrotoluene	Ave	63.14	62.53		198	200	-1.0	20.0
2,4,6-Trinitrotoluene	Ave	73.84	68.31		185	200	-7.5	20.0
HMX	Ave	62.43	56.97		183	200	-8.7	20.0
Nitroglycerin	Ave	86.52	80.59		186	200	-6.9	20.0
Tetryl	Ave	117.1	111.7		191	200	-4.6	20.0
PETN	Ave	151.5	150.0		198	200	-1.0	20.0
3,4-Dinitrotoluene	Ave	48.31	41.68		173	200	-13.7	20.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1
 SDG No.: _____
 Lab Sample ID: STD6 320-6840/14 Calibration Date: 12/05/2012 02:45
 Instrument ID: LC12 Calib Start Date: 10/01/2012 12:30
 GC Column: Zorbax CN ID: 4.60 (mm) Calib End Date: 10/01/2012 20:08
 Lab File ID: D000015.D

Analyte	RT	RT WINDOW	
		FROM	TO
Nitrobenzene	20.89	20.64	21.14
Ethylene glycol dinitrate	21.58	21.33	21.83
1,3-Dinitrobenzene	23.67	23.42	23.92
1,3,5-Trinitrobenzene	25.94	25.69	26.19
2-Nitrotoluene	27.83	27.58	28.08
4-Nitrotoluene	27.83	27.58	28.08
3-Nitrotoluene	28.37	28.12	28.62
3,5-Dinitroaniline	29.76	29.51	30.01
RDX	30.43	30.18	30.68
2,4-Dinitrotoluene	31.33	31.08	31.58
2,6-Dinitrotoluene	32.27	32.02	32.52
2-Amino-4,6-dinitrotoluene	34.43	34.18	34.68
4-Amino-2,6-dinitrotoluene	34.99	34.74	35.24
2,4,6-Trinitrotoluene	38.66	38.41	38.91
HMX	41.24	40.99	41.49
Nitroglycerin	43.65	43.40	43.90
Tetryl	45.56	45.31	45.81
PETN	52.41	52.16	52.66
3,4-Dinitrotoluene	36.91	36.66	37.16

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC12\20121204-1667.b\D000015.D
 Lims ID: STD6 Client ID:
 Inject. Date: 05-Dec-2012 02:45:56 Dil. Factor: 1.0000
 Sample Type: CCVRT
 Sample ID: 320-0001667-014
 Misc. Info.:
 Operator: RN Instrument ID: LC12
 Injection Vol: 500.0 ul ALS Bottle#: 3
 Lims Batch ID: 6840 Lims Sample ID: 14
 Sublist: chrom-LC12_Conf_8330*sub1
 Method: \\SACChrom\ChromData\LC12\20121204-1667.b\LC12_Conf_8330.m
 Last Update: 05-Dec-2012 09:14:55 Calib Date: 19-Nov-2012 14:12:43
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC12\20121116-1443.b\P000007.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Zorbax Cyano CN Column Dia: 4.60 mm
 Process Host: XAWRK034

First Level Reviewer: noonanr

Date: 05-Dec-2012 09:14:55

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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5 Nitrobenzene						
1	20.888	20.888	0.0	8975	196.8	
3 Ethylene glycol dinitrate						
2	21.581	21.581	0.0	4470	211.9	
24 1,3-Dinitrobenzene						
1	23.668	23.668	0.0	19751	196.8	
27 1,3,5-Trinitrobenzene						
1	25.941	25.941	0.0	15343	194.8	
16 o-Nitrotoluene						
1	27.825	27.825	0.0	11278	185.2	
15 p-Nitrotoluene						
1	27.825	27.825	0.0	11278	185.2	
8 m-Nitrotoluene						
1	28.371	28.371	0.0	7585	187.2	
9 3,5-Dinitroaniline						
1	29.761	29.761	0.0	15485	194.4	
19 RDX						
1	30.428	30.428	0.0	8972	189.9	
23 2,4-Dinitrotoluene						
1	31.331	31.331	0.0	18601	202.0	
12 2,6-Dinitrotoluene						
1	32.271	32.271	0.0	10897	200.5	
6 2-Amino-4,6-dinitrotoluene						
1	34.425	34.425	0.0	14776	194.7	
26 4-Amino-2,6-dinitrotoluene						
1	34.991	34.991	0.0	12505	198.0	
\$ 30 3,4-Dinitrotoluene						
1	36.911	36.911	0.0	8335	172.5	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
25 2,4,6-Trinitrotoluene						
1	38.655	38.655	0.0	13661	185.0	
11 HMX						
1	41.235	41.235	0.0	11394	182.5	
7 Nitroglycerin						
2	43.648	43.648	0.0	16117	186.3	
20 Tetryl						
1	45.561	45.561	0.0	22336	190.8	
21 PETN						
2	52.408	52.408	0.0	30006	198.0	

Report Date: 05-Dec-2012 09:14:56

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

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC12\20121204-1667.b\ID000015.D

Injection Date: 05-Dec-2012 02:45:56

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC12

Lims Batch ID: 6840

Lims Sample ID: 14

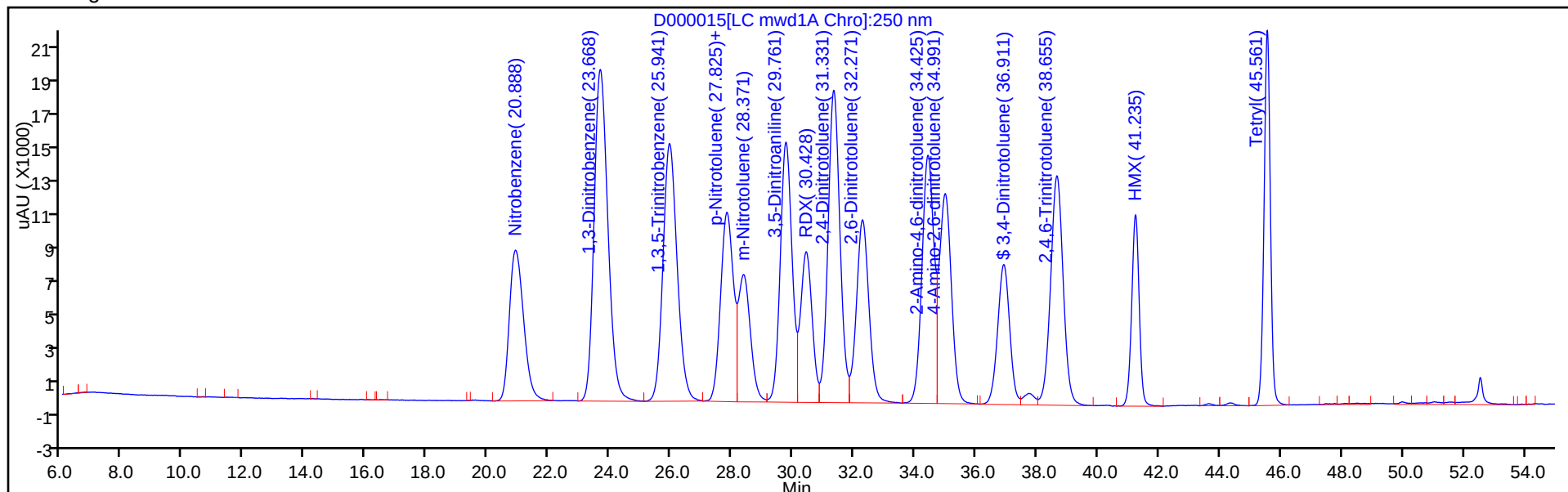
Operator ID: RN

Injection Vol: 500.0 ul

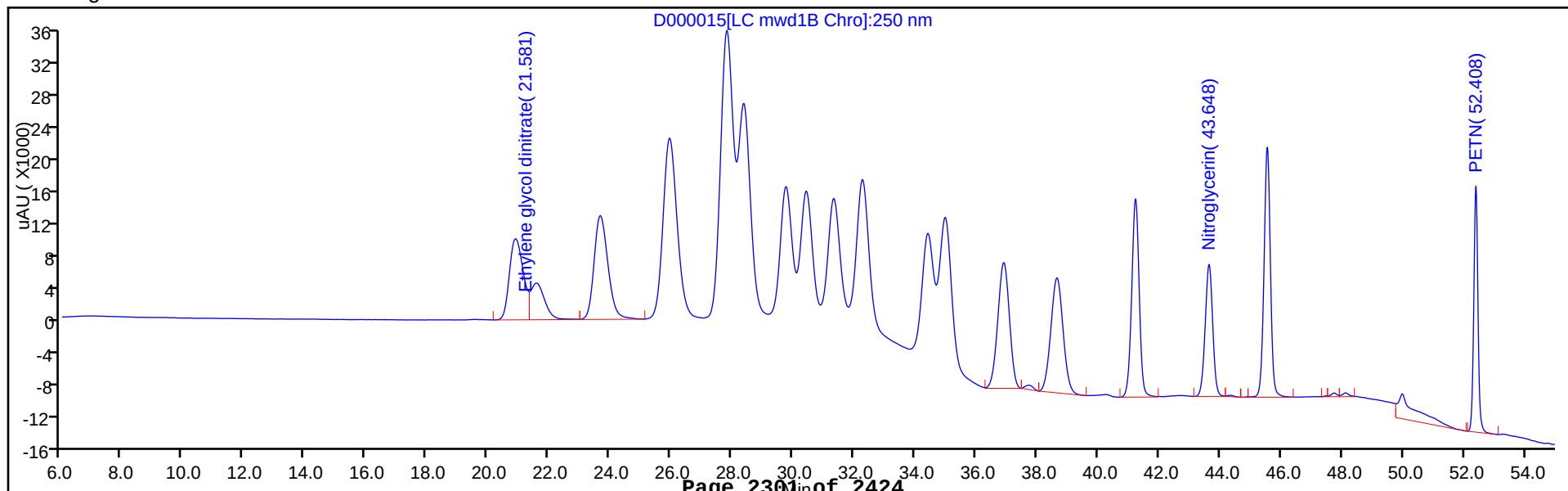
Column Type: Zorbax Cyano CN

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 320-6245/1-A
 Matrix: Solid Lab File ID: ZD000038.D
 Analysis Method: 8330B Date Collected: _____
 Extraction Method: 8330B Date Extracted: 11/21/2012 15:09
 Sample wt/vol: 10.00(g) Date Analyzed: 12/01/2012 11:13
 Con. Extract Vol.: 80.00(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.: 6640 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	0.013
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	0.016
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	94		78-118

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20121130-1608.b\ZD000038.D
Lims ID: MB 320-6245/1-A Client ID:
Inject. Date: 01-Dec-2012 11:13:07 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: 320-0001608-038
Misc. Info.:
Operator: RN Instrument ID: LC10
Injection Vol: 500.0 ul ALS Bottle#: 40
Lims Batch ID: 6640 Lims Sample ID: 38
Method: \\SACChrom\ChromData\LC10\20121130-1608.b\8330_LC10.m
Last Update: 03-Dec-2012 09:03:27 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: XAWRK011

First Level Reviewer: noonanr

Date: 03-Dec-2012 09:03:27

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

1	16.707	16.701	0.006	3292	58.5	
2	16.724	16.701	0.023	6274	60.7	

Report Date: 03-Dec-2012 09:03:27

Chrom Revision: 2.1 29-Nov-2012 15:29:30

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121130-1608.b\ZD000038.D

Injection Date: 01-Dec-2012 11:13:07

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 6640

Lims Sample ID: 38

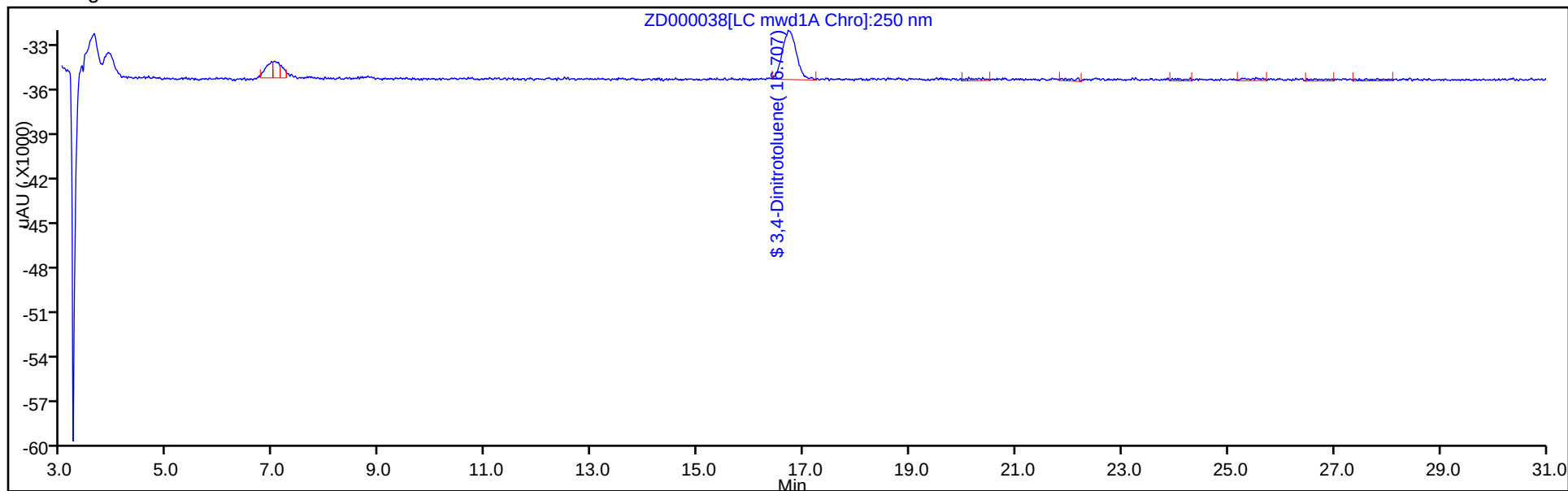
Operator ID: RN

Injection Vol: 500.0 ul

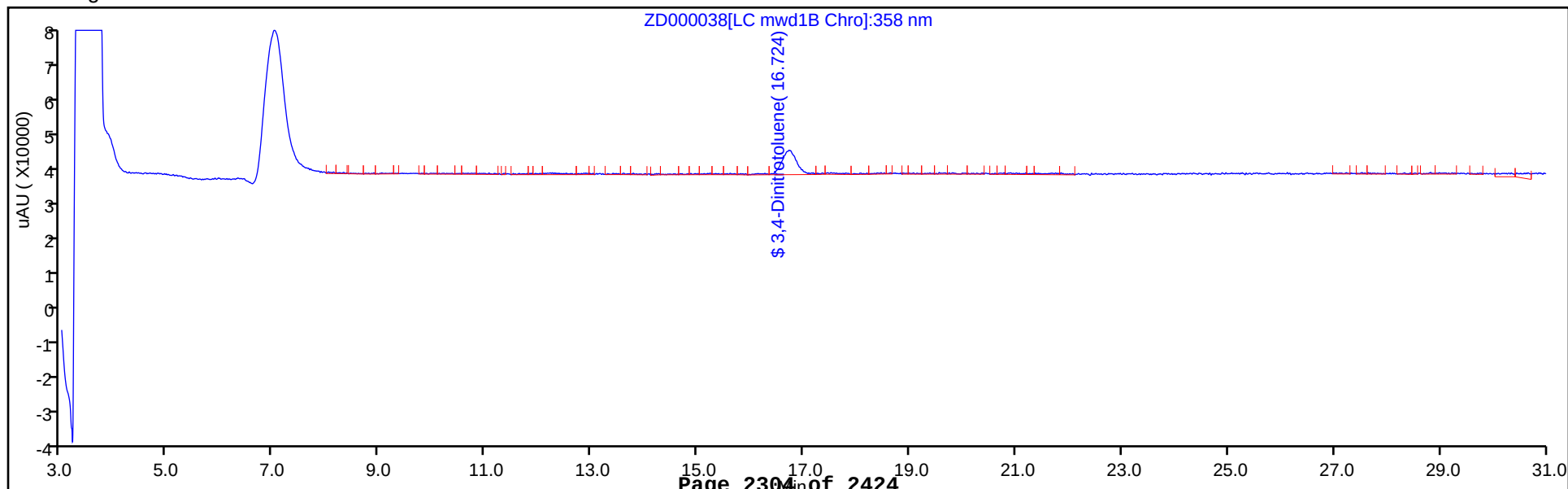
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 320-6245/1-A
Matrix: Solid Lab File ID: D000009.D
Analysis Method: 8330B Date Collected: _____
Extraction Method: 8330B Date Extracted: 11/21/2012 15:09
Sample wt/vol: 10.00(g) Date Analyzed: 12/04/2012 20:13
Con. Extract Vol.: 80.00(mL) Dilution Factor: 1
Injection Volume: 500(uL) GC Column: Zorbax CN ID: 4.6(mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 6840 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
610-39-9	3,4-Dinitrotoluene	87		78-118

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC12\20121204-1667.b\D000009.D
Lims ID: MB 320-6245/1-A Client ID:
Inject. Date: 04-Dec-2012 20:13:23 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: 320-0001667-008
Misc. Info.:
Operator: RN Instrument ID: LC12
Injection Vol: 500.0 ul ALS Bottle#: 14
Lims Batch ID: 6840 Lims Sample ID: 8
Method: \\SACChrom\ChromData\LC12\20121204-1667.b\LC12_Conf_8330.m
Last Update: 05-Dec-2012 09:05:41 Calib Date: 19-Nov-2012 14:12:43
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\LC12\20121116-1443.b\IP000007.D
Limit Group: LC 8330B ICAL
Integrator: Falcon
Column Type: Zorbax Cyano CN Column Dia: 4.60 mm
Process Host: XAWRK034

First Level Reviewer: noonanr

Date: 05-Dec-2012 09:05:41

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

1 36.429 36.465 -0.036 2624 54.3

Report Date: 05-Dec-2012 09:05:41

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

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC12\20121204-1667.b\0000009.D

Injection Date: 04-Dec-2012 20:13:23

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC12

Lims Batch ID: 6840

Lims Sample ID: 8

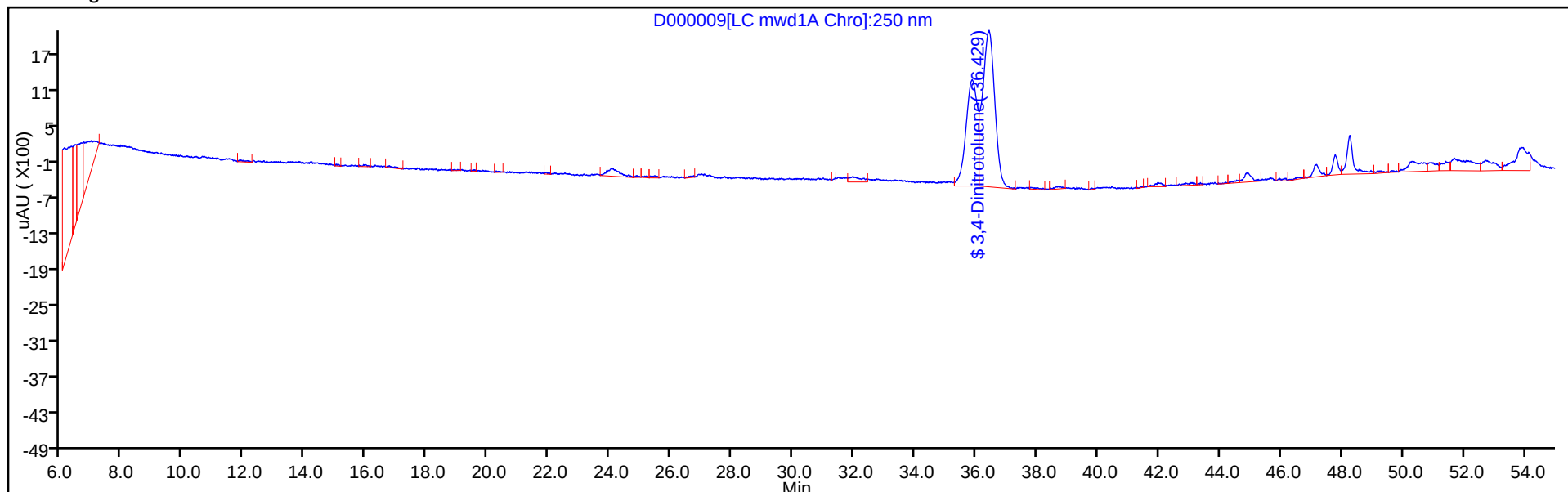
Operator ID: RN

Injection Vol: 500.0 ul

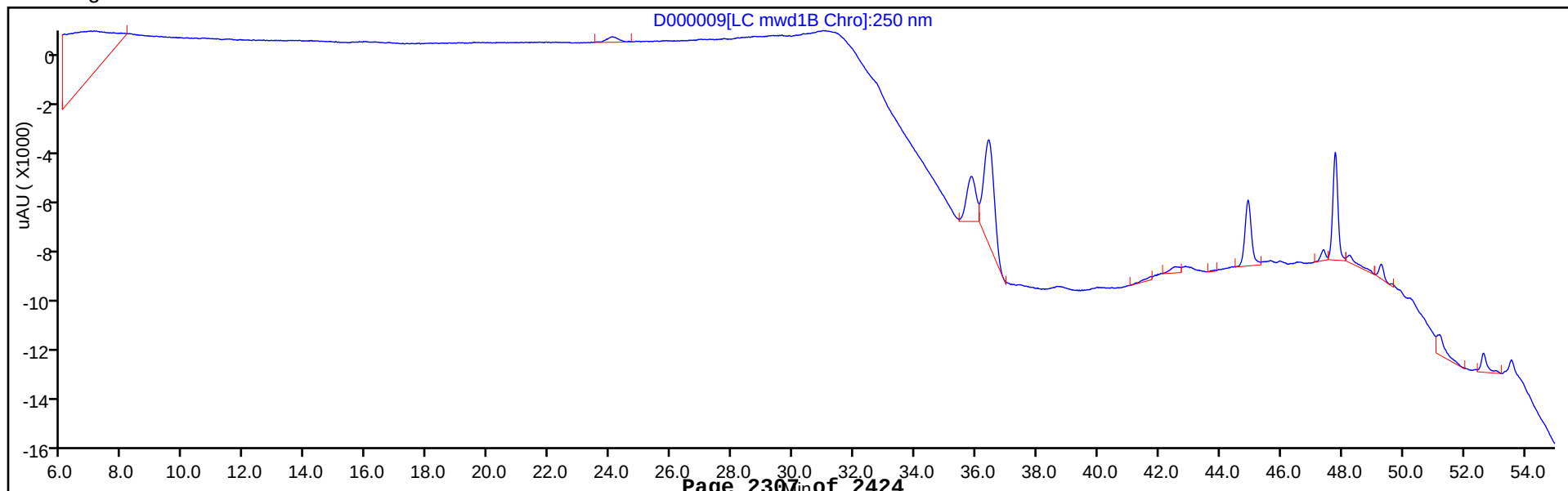
Column Type: Zorbax Cyano CN

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 320-6245/2-A
 Matrix: Solid Lab File ID: ZD000039.D
 Analysis Method: 8330B Date Collected: _____
 Extraction Method: 8330B Date Extracted: 11/21/2012 15:09
 Sample wt/vol: 10.00 (g) Date Analyzed: 12/01/2012 11:53
 Con. Extract Vol.: 80.00 (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.: 6640 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
35572-78-2	2-Amino-4,6-dinitrotoluene	0.495		0.25	0.050	0.013
19406-51-0	4-Amino-2,6-dinitrotoluene	0.512		0.25	0.050	0.010
99-65-0	1,3-Dinitrobenzene	0.508		0.25	0.050	0.0042
121-14-2	2,4-Dinitrotoluene	0.498		0.25	0.050	0.0053
606-20-2	2,6-Dinitrotoluene	0.486		0.25	0.050	0.0073
2691-41-0	HMX	0.507		0.25	0.050	0.012
98-95-3	Nitrobenzene	0.499		0.25	0.050	0.018
55-63-0	Nitroglycerin	0.968		0.50	0.25	0.015
88-72-2	2-Nitrotoluene	0.465		0.25	0.050	0.013
99-08-1	3-Nitrotoluene	0.478		0.25	0.050	0.016
99-99-0	4-Nitrotoluene	0.472		0.25	0.050	0.018
78-11-5	PETN	0.948		0.50	0.25	0.025
121-82-4	RDX	0.497		0.25	0.050	0.012
479-45-8	Tetryl	0.417		0.25	0.050	0.010
99-35-4	1,3,5-Trinitrobenzene	0.510		0.25	0.050	0.010
118-96-7	2,4,6-Trinitrotoluene	0.417		0.25	0.050	0.019

CAS NO.	SURROGATE	%REC	Q	LIMITS
610-39-9	3,4-Dinitrotoluene	96		78-118

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20121130-1608.b\ZD000039.D
 Lims ID: LCS 320-6245/2-A Client ID:
 Inject. Date: 01-Dec-2012 11:53:10 Dil. Factor: 1.0000
 Sample Type: LCS
 Sample ID: 320-0001608-039
 Misc. Info.:
 Operator: RN Instrument ID: LC10
 Injection Vol: 500.0 ul ALS Bottle#: 41
 Lims Batch ID: 6640 Lims Sample ID: 39
 Method: \\SACChrom\ChromData\LC10\20121130-1608.b\8330_LC10.m
 Last Update: 03-Dec-2012 09:03:56 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: XAWRK011

First Level Reviewer: noonanr

Date: 03-Dec-2012 09:03:56

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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11 HMX
 1 5.206 5.207 -0.001 7974 63.4
 19 RDX
 1 7.503 7.501 0.002 5528 62.1
 27 1,3,5-Trinitrobenzene
 1 9.846 9.847 -0.001 10365 63.7
 24 1,3-Dinitrobenzene
 1 12.476 12.477 -0.001 10274 63.5
 9 3,5-Dinitroaniline
 1 13.206 13.217 -0.011 6602 63.5
 20 Tetryl
 1 13.636 13.641 -0.005 4509 52.1
 5 Nitrobenzene
 1 14.206 14.227 -0.021 4601 62.4
 7 Nitroglycerin
 2 14.849 14.857 -0.008 7855 121.1
 25 2,4,6-Trinitrotoluene
 1 15.733 15.741 -0.008 4836 52.1
 26 4-Amino-2,6-dinitrotoluene
 1 16.269 16.281 -0.012 4846 64.0
 \$ 30 3,4-Dinitrotoluene
 1 16.703 16.701 0.002 3375 59.9
 2 16.726 16.701 0.025 6158 59.6
 6 2-Amino-4,6-dinitrotoluene
 1 17.213 17.234 -0.021 5170 61.8
 12 2,6-Dinitrotoluene
 1 18.833 18.861 -0.028 3617 60.7
 23 2,4-Dinitrotoluene
 1 19.473 19.491 -0.018 5972 62.2

Data File: \\SACChrom\ChromData\LC10\20121130-1608.b\ZD000039.D

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
16 o-Nitrotoluene						
1	22.839	22.861	-0.022	2589	58.1	
15 p-Nitrotoluene						
1	24.489	24.487	0.002	3149	58.9	
8 m-Nitrotoluene						
1	26.366	26.377	-0.011	3224	59.8	
21 PETN						
2	28.669	28.724	-0.055	4352	118.5	

Report Date: 03-Dec-2012 09:03:56

Chrom Revision: 2.1 29-Nov-2012 15:29:30

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121130-1608.b\ZD000039.D

Injection Date: 01-Dec-2012 11:53:10

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 6640

Lims Sample ID: 39

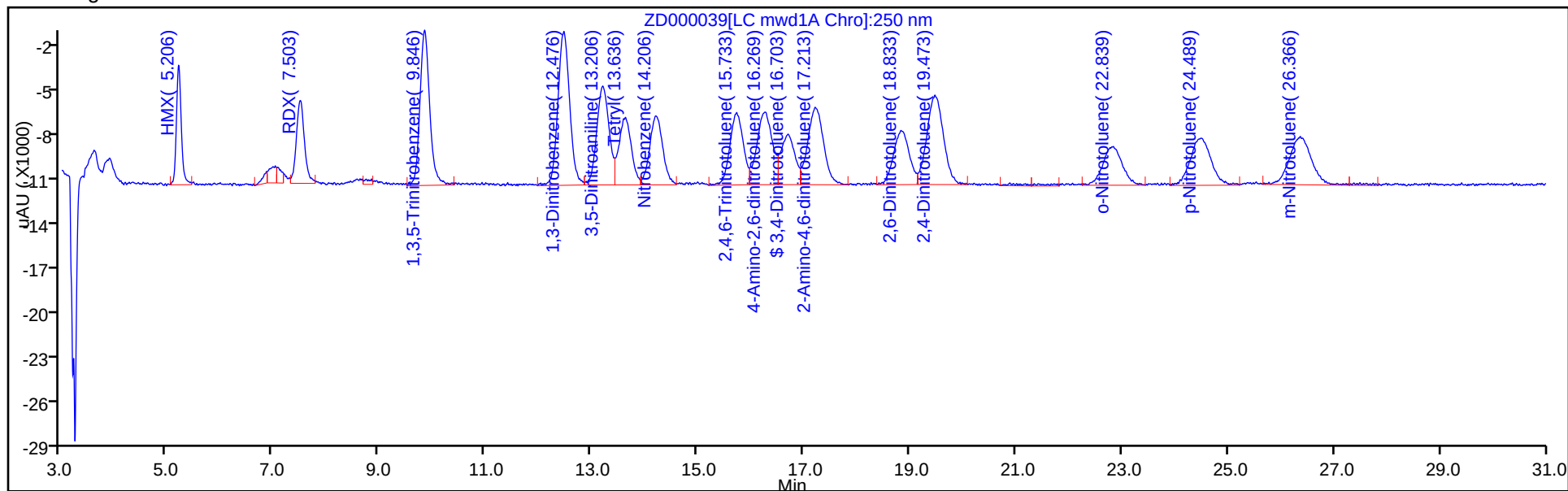
Operator ID: RN

Injection Vol: 500.0 ul

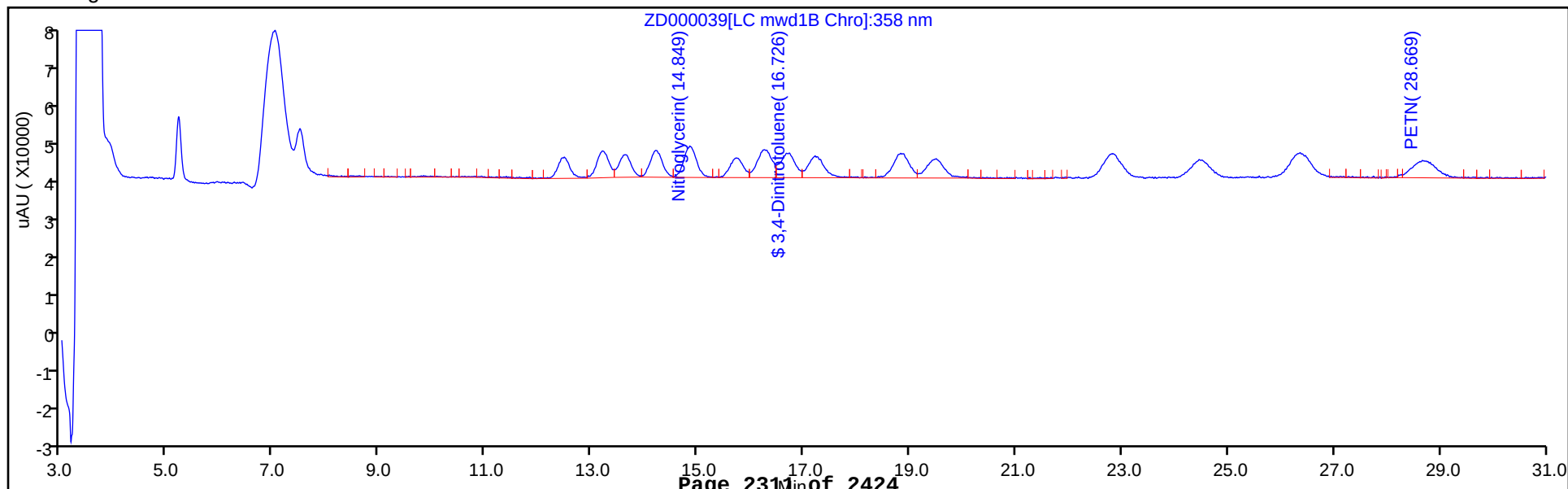
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1

SDG No.: _____

Client Sample ID: 069SS-0001M-0001-S0 MS Lab Sample ID: 240-17525-1 MS

Matrix: Solid Lab File ID: ZD000045.D

Analysis Method: 8330B Date Collected: 11/11/2012 09:15

Extraction Method: 8330B Date Extracted: 11/21/2012 15:09

Sample wt/vol: 9.97(g) Date Analyzed: 12/01/2012 15:54

Con. Extract Vol.: 80.00(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.: 6640 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
35572-78-2	2-Amino-4,6-dinitrotoluene	0.487		0.25	0.050	0.013
19406-51-0	4-Amino-2,6-dinitrotoluene	0.500		0.25	0.050	0.010
99-65-0	1,3-Dinitrobenzene	0.507		0.25	0.050	0.0042
121-14-2	2,4-Dinitrotoluene	0.492		0.25	0.050	0.0053
606-20-2	2,6-Dinitrotoluene	0.483		0.25	0.050	0.0073
2691-41-0	HMX	0.492		0.25	0.050	0.012
98-95-3	Nitrobenzene	0.497		0.25	0.050	0.018
55-63-0	Nitroglycerin	0.964		0.50	0.25	0.015
88-72-2	2-Nitrotoluene	0.475		0.25	0.050	0.013
99-08-1	3-Nitrotoluene	0.468	M	0.25	0.050	0.016
99-99-0	4-Nitrotoluene	0.474		0.25	0.050	0.018
78-11-5	PETN	0.945		0.50	0.25	0.025
121-82-4	RDX	0.463		0.25	0.050	0.012
479-45-8	Tetryl	0.405		0.25	0.050	0.010
99-35-4	1,3,5-Trinitrobenzene	0.508		0.25	0.050	0.010
118-96-7	2,4,6-Trinitrotoluene	0.412		0.25	0.050	0.019

CAS NO.	SURROGATE	%REC	Q	LIMITS
610-39-9	3,4-Dinitrotoluene	96		78-118

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20121130-1608.b\ZD000045.D
 Lims ID: 240-17525-A-1-X MS Client ID: 069SS-0001M-0002-S0
 Inject. Date: 01-Dec-2012 15:54:16 Dil. Factor: 1.0000
 Sample Type: MS
 Sample ID: 320-0001608-045
 Misc. Info.:
 Operator: RN Instrument ID: LC10
 Injection Vol: 500.0 ul ALS Bottle#: 47
 Lims Batch ID: 6640 Lims Sample ID: 45
 Method: \\SACChrom\ChromData\LC10\20121130-1608.b\8330_LC10.m
 Last Update: 03-Dec-2012 09:07:35 Calib Date: 01-Sep-2012 16:31:00
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
 Process Host: XAWRK011

First Level Reviewer: noonanr

Date: 03-Dec-2012 09:07:35

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

11 HMX						
1	5.213	5.207	0.006	7716	61.3	
19 RDX						
1	7.510	7.501	0.009	5134	57.7	
3 Ethylene glycol dinitrate						
2	8.200	8.197	0.003	311	3.21	
10 2,4,6-Trinitrophenol						
2	8.453	8.587	-0.134	358	2.91	
1	8.796	8.587	0.209	383	4.63	
27 1,3,5-Trinitrobenzene						
1	9.856	9.847	0.009	10289	63.2	
24 1,3-Dinitrobenzene						
1	12.490	12.477	0.013	10224	63.2	
9 3,5-Dinitroaniline						
1	13.233	13.217	0.016	6337	61.0	
20 Tetryl						
1	13.650	13.641	0.009	4364	50.4	
5 Nitrobenzene						
1	14.246	14.227	0.019	4567	61.9	
7 Nitroglycerin						
2	14.886	14.857	0.029	7799	120.2	
25 2,4,6-Trinitrotoluene						
1	15.773	15.741	0.032	4765	51.4	
26 4-Amino-2,6-dinitrotoluene						
1	16.296	16.281	0.015	4720	62.3	
\$ 30 3,4-Dinitrotoluene						
1	16.740	16.701	0.039	3380	60.0	
2	16.736	16.701	0.035	6417	62.1	

Data File: \\SACChrom\ChromData\LC10\20121130-1608.b\ZD000045.D

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
6 2-Amino-4,6-dinitrotoluene						
1	17.256	17.234	0.022	5074	60.7	
12 2,6-Dinitrotoluene						
1	18.893	18.861	0.032	3583	60.1	
23 2,4-Dinitrotoluene						
1	19.523	19.491	0.032	5887	61.3	
16 o-Nitrotoluene						
1	22.886	22.861	0.025	2639	59.2	
15 p-Nitrotoluene						
1	24.526	24.487	0.039	3158	59.1	
8 m-Nitrotoluene						
1	26.403	26.377	0.026	3147	58.3	M
21 PETN						
2	28.743	28.724	0.019	4325	117.8	

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 03-Dec-2012 09:07:35

Chrom Revision: 2.1 29-Nov-2012 15:29:30

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121130-1608.b\ZD000045.D

Injection Date: 01-Dec-2012 15:54:16

Limit Group: LC 8330B ICAL

Client ID: 069SS-0001M-0002-S0

Instrument ID: LC10

Lims Batch ID: 6640

Lims Sample ID: 45

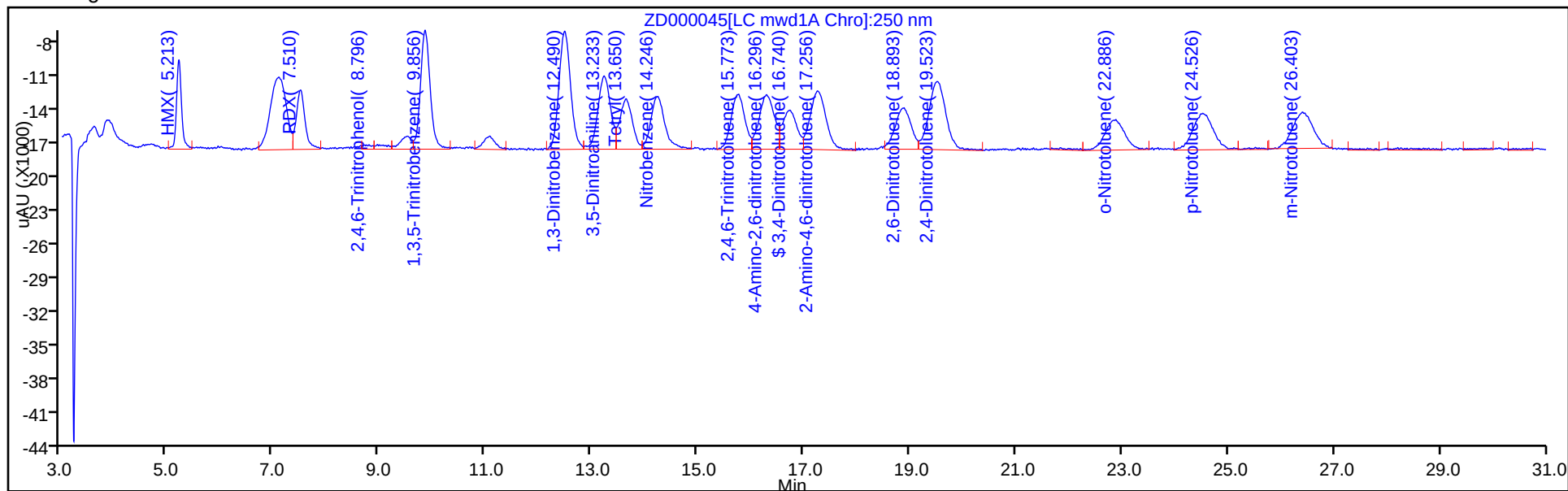
Operator ID: RN

Injection Vol: 500.0 ul

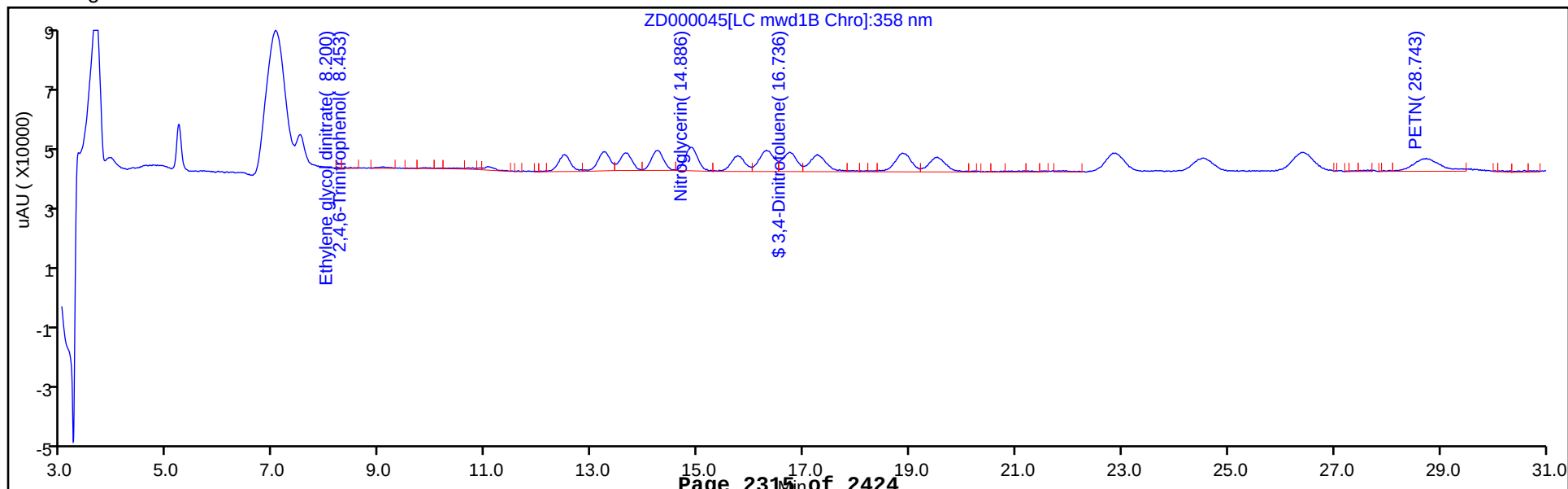
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



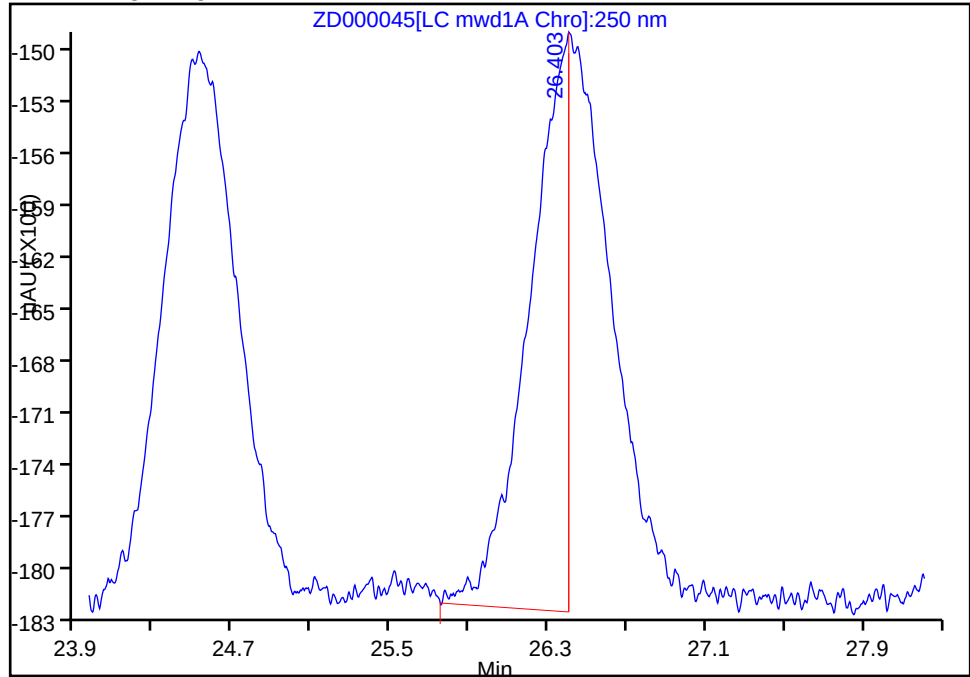
TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121130-1608.b\ZD000045.D
Injection Date: 01-Dec-2012 15:54:16 Limit Group: LC 8330B ICAL
Client ID: 069SS-0001M-0002-S0 Instrument ID: LC10
Lims Batch ID: 6640 Lims Sample ID: 45
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: 26.38, Det: LC mwd1A

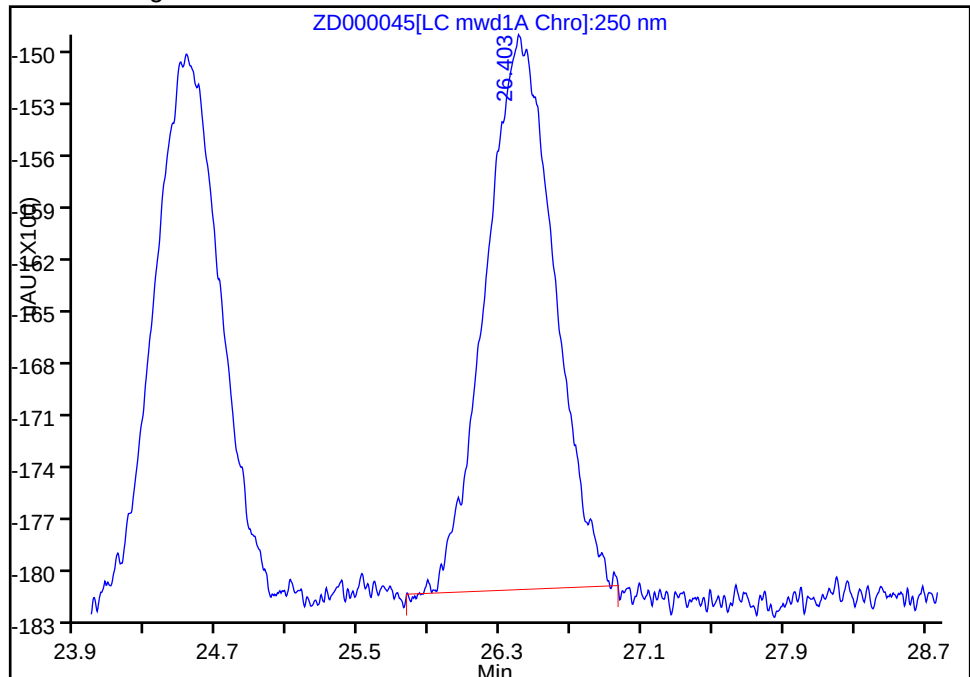
RT: 26.40
Response: 3289
Amount: 60.980245

Processing Integration Results



RT: 26.40
Response: 3147
Amount: 58.347471

Manual Integration Results



Reviewer: noonanr, 03-Dec-2012 09:07:35

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1

SDG No.: _____

Client Sample ID: 077SS-0001M-0001-SO MS Lab Sample ID: 240-17525-5 MS

Matrix: Solid Lab File ID: ZD000050.D

Analysis Method: 8330B Date Collected: 11/11/2012 10:45

Extraction Method: 8330B Date Extracted: 11/21/2012 15:09

Sample wt/vol: 10.16(g) Date Analyzed: 12/01/2012 19:15

Con. Extract Vol.: 80.00 (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.: 6640 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
35572-78-2	2-Amino-4,6-dinitrotoluene	0.476		0.25	0.049	0.012
19406-51-0	4-Amino-2,6-dinitrotoluene	0.486		0.25	0.049	0.0098
99-65-0	1,3-Dinitrobenzene	0.498		0.25	0.049	0.0041
121-14-2	2,4-Dinitrotoluene	0.486		0.25	0.049	0.0052
606-20-2	2,6-Dinitrotoluene	0.485		0.25	0.049	0.0072
2691-41-0	HMX	0.480		0.25	0.049	0.012
98-95-3	Nitrobenzene	0.493		0.25	0.049	0.017
55-63-0	Nitroglycerin	0.923		0.49	0.25	0.015
88-72-2	2-Nitrotoluene	0.456		0.25	0.049	0.013
99-08-1	3-Nitrotoluene	0.463		0.25	0.049	0.015
99-99-0	4-Nitrotoluene	0.472		0.25	0.049	0.018
78-11-5	PETN	0.958		0.49	0.25	0.025
121-82-4	RDX	0.476		0.25	0.049	0.012
479-45-8	Tetryl	0.378		0.25	0.049	0.0098
99-35-4	1,3,5-Trinitrobenzene	0.484		0.25	0.049	0.0098
118-96-7	2,4,6-Trinitrotoluene	0.400		0.25	0.049	0.019

CAS NO.	SURROGATE	%REC	Q	LIMITS
610-39-9	3,4-Dinitrotoluene	95		78-118

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20121130-1608.b\ZD000050.D
 Lims ID: 240-17525-A-5-W MS Client ID: 077SS-0001M-0002-SO
 Inject. Date: 01-Dec-2012 19:15:23 Dil. Factor: 1.0000
 Sample Type: MS
 Sample ID: 320-0001608-050
 Misc. Info.:
 Operator: RN Instrument ID: LC10
 Injection Vol: 500.0 ul ALS Bottle#: 51
 Lims Batch ID: 6640 Lims Sample ID: 50
 Method: \\SACChrom\ChromData\LC10\20121130-1608.b\8330_LC10.m
 Last Update: 03-Dec-2012 09:10:38 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: XAWRK011

First Level Reviewer: noonanr

Date: 03-Dec-2012 09:10:38

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

11 HMX						
1	5.219	5.215	0.004	7664	60.9	
19 RDX						
1	7.499	7.509	-0.010	5384	60.5	
3 Ethylene glycol dinitrate						
2	8.143	8.205	-0.062	223	2.30	
10 2,4,6-Trinitrophenol						
2	8.453	8.592	-0.139	294	2.39	
1	8.636	9.855	-1.219	355	4.29	
27 1,3,5-Trinitrobenzene						
1	9.843	9.855	-0.012	10000	61.5	
24 1,3-Dinitrobenzene						
1	12.456	12.472	-0.016	10228	63.3	
9 3,5-Dinitroaniline						
1	13.199	13.205	-0.006	6311	60.7	
20 Tetryl						
1	13.606	13.639	-0.033	4153	48.0	
5 Nitrobenzene						
1	14.193	14.209	-0.016	4618	62.6	
7 Nitroglycerin						
2	14.813	14.859	-0.046	7610	117.3	
25 2,4,6-Trinitrotoluene						
1	15.699	15.725	-0.026	4713	50.8	
26 4-Amino-2,6-dinitrotoluene						
1	16.233	16.242	-0.009	4673	61.7	
\$ 30 3,4-Dinitrotoluene						
1	16.683	16.692	-0.009	3331	59.1	
2	16.689	16.695	-0.006	6349	61.5	

Data File: \\SACChrom\ChromData\LC10\20121130-1608.b\ZD000050.D

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
6 2-Amino-4,6-dinitrotoluene						
1	17.183	17.205	-0.022	5051	60.4	
12 2,6-Dinitrotoluene						
1	18.796	18.805	-0.009	3671	61.6	
23 2,4-Dinitrotoluene						
1	19.433	19.452	-0.019	5918	61.7	
16 o-Nitrotoluene						
1	22.726	22.779	-0.053	2582	58.0	
15 p-Nitrotoluene						
1	24.409	24.445	-0.036	3202	59.9	
8 m-Nitrotoluene						
1	26.299	26.285	0.014	3171	58.8	
21 PETN						
2	28.636	28.655	-0.019	4467	121.6	

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\201211130-1608.b\ZD000050.D

Injection Date: 01-Dec-2012 19:15:23

Limit Group: LC 8330B ICAL

Client ID: 077SS-0001M-0002-SO

Instrument ID: LC10

Lims Batch ID: 6640

Lims Sample ID: 50

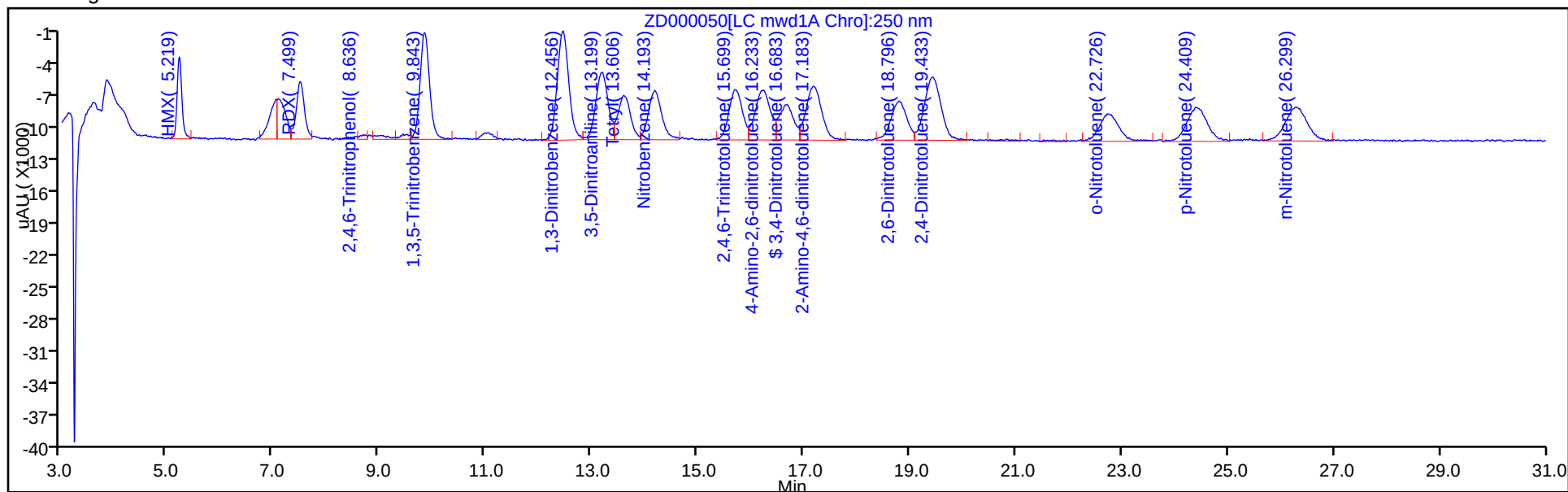
Operator ID: RN

Injection Vol: 500.0 ul

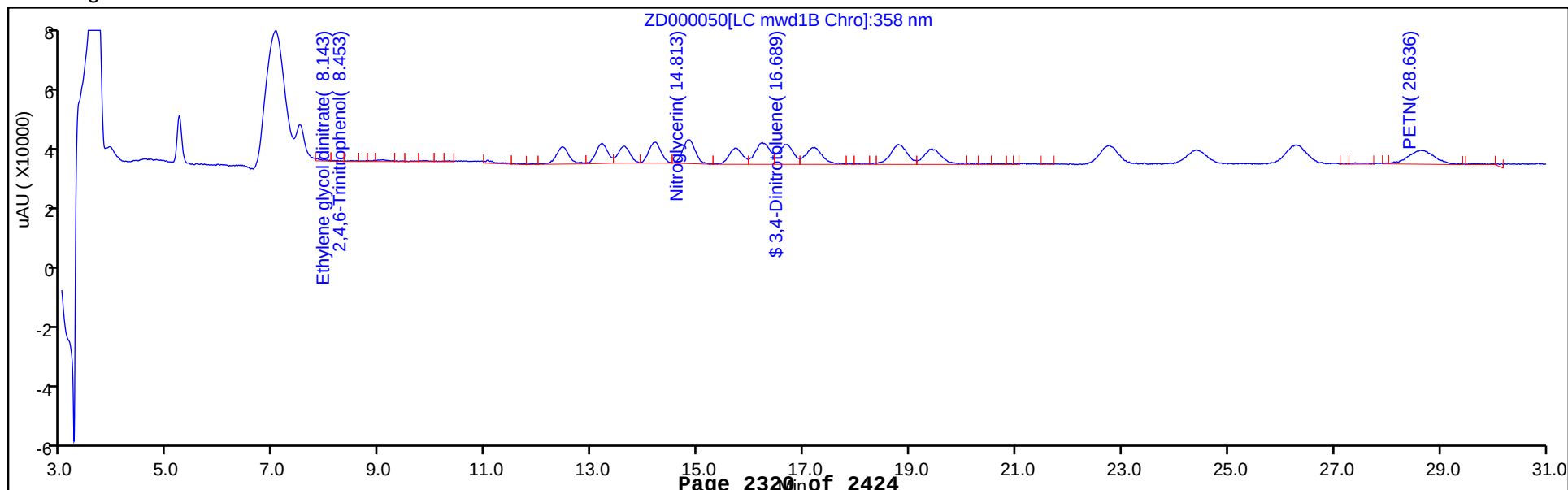
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1
 SDG No.: _____
 Client Sample ID: 069SS-0001M-0001-S0 MSD Lab Sample ID: 240-17525-1 MSD
 Matrix: Solid Lab File ID: ZD000046.D
 Analysis Method: 8330B Date Collected: 11/11/2012 09:15
 Extraction Method: 8330B Date Extracted: 11/21/2012 15:09
 Sample wt/vol: 10.13(g) Date Analyzed: 12/01/2012 16:34
 Con. Extract Vol.: 80.00 (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.: 6640 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
35572-78-2	2-Amino-4,6-dinitrotoluene	0.531		0.25	0.049	0.012
19406-51-0	4-Amino-2,6-dinitrotoluene	0.549		0.25	0.049	0.0099
99-65-0	1,3-Dinitrobenzene	0.556		0.25	0.049	0.0041
121-14-2	2,4-Dinitrotoluene	0.529		0.25	0.049	0.0052
606-20-2	2,6-Dinitrotoluene	0.535		0.25	0.049	0.0072
2691-41-0	HMX	0.524		0.25	0.049	0.012
98-95-3	Nitrobenzene	0.512		0.25	0.049	0.017
55-63-0	Nitroglycerin	1.05		0.49	0.25	0.015
88-72-2	2-Nitrotoluene	0.464		0.25	0.049	0.013
99-08-1	3-Nitrotoluene	0.480		0.25	0.049	0.015
99-99-0	4-Nitrotoluene	0.480		0.25	0.049	0.018
78-11-5	PETN	0.947		0.49	0.25	0.025
121-82-4	RDX	0.503		0.25	0.049	0.012
479-45-8	Tetryl	0.443		0.25	0.049	0.0099
99-35-4	1,3,5-Trinitrobenzene	0.546		0.25	0.049	0.0099
118-96-7	2,4,6-Trinitrotoluene	0.442		0.25	0.049	0.019

CAS NO.	SURROGATE	%REC	Q	LIMITS
610-39-9	3,4-Dinitrotoluene	105		78-118

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20121130-1608.b\ZD000046.D
 Lims ID: 240-17525-A-1-Y MSD Client ID: 069SS-0001M-0002-S0
 Inject. Date: 01-Dec-2012 16:34:34 Dil. Factor: 1.0000
 Sample Type: MSD
 Sample ID: 320-0001608-046
 Misc. Info.:
 Operator: RN Instrument ID: LC10
 Injection Vol: 500.0 ul ALS Bottle#: 48
 Lims Batch ID: 6640 Lims Sample ID: 46
 Method: \\SACChrom\ChromData\LC10\20121130-1608.b\8330_LC10.m
 Last Update: 03-Dec-2012 09:07:55 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: XAWRK011

First Level Reviewer: noonanr

Date:

03-Dec-2012 09:07:55

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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11 HMX						
1	5.215	5.207	0.008	8354	66.4	
19 RDX						
1	7.525	7.501	0.024	5667	63.7	
3 Ethylene glycol dinitrate						
2	8.268	8.197	0.071	299	3.09	
10 2,4,6-Trinitrophenol						
2	8.455	8.587	-0.132	254	2.06	
1	8.518	8.587	-0.069	276	3.34	
27 1,3,5-Trinitrobenzene						
1	9.862	9.847	0.015	11248	69.1	
24 1,3-Dinitrobenzene						
1	12.495	12.477	0.018	11387	70.4	
9 3,5-Dinitroaniline						
1	13.242	13.217	0.025	7110	68.4	
20 Tetryl						
1	13.649	13.641	0.008	4860	56.2	
5 Nitrobenzene						
1	14.242	14.227	0.015	4781	64.8	
7 Nitroglycerin						
2	14.875	14.857	0.018	8600	132.5	
25 2,4,6-Trinitrotoluene						
1	15.759	15.741	0.018	5197	56.0	
26 4-Amino-2,6-dinitrotoluene						
1	16.289	16.281	0.008	5263	69.5	
\$ 30 3,4-Dinitrotoluene						
1	16.735	16.701	0.034	3685	65.4	
2	16.732	16.701	0.031	7046	68.2	

Data File: \\SACChrom\ChromData\LC10\20121130-1608.b\ZD000046.D

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
6 2-Amino-4,6-dinitrotoluene						
1	17.262	17.234	0.028	5618	67.2	
12 2,6-Dinitrotoluene						
1	18.862	18.861	0.001	4035	67.7	
23 2,4-Dinitrotoluene						
1	19.512	19.491	0.021	6433	67.0	
16 o-Nitrotoluene						
1	22.869	22.861	0.008	2620	58.8	
15 p-Nitrotoluene						
1	24.542	24.487	0.055	3249	60.8	
8 m-Nitrotoluene						
1	26.419	26.377	0.042	3277	60.8	
21 PETN						
2	28.719	28.724	-0.005	4405	119.9	

Report Date: 03-Dec-2012 09:07:55

Chrom Revision: 2.1 29-Nov-2012 15:29:30

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121130-1608.b\ZD000046.D

Injection Date: 01-Dec-2012 16:34:34

Limit Group: LC 8330B ICAL

Client ID: 069SS-0001M-0002-S0

Instrument ID: LC10

Lims Batch ID: 6640

Lims Sample ID: 46

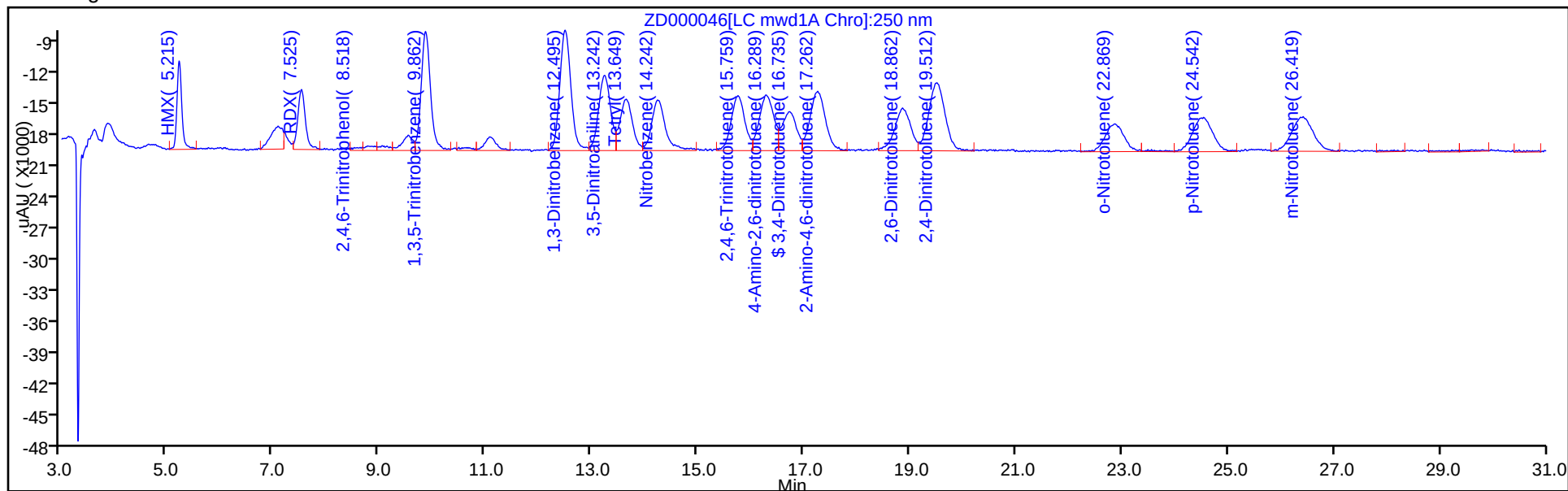
Operator ID: RN

Injection Vol: 500.0 ul

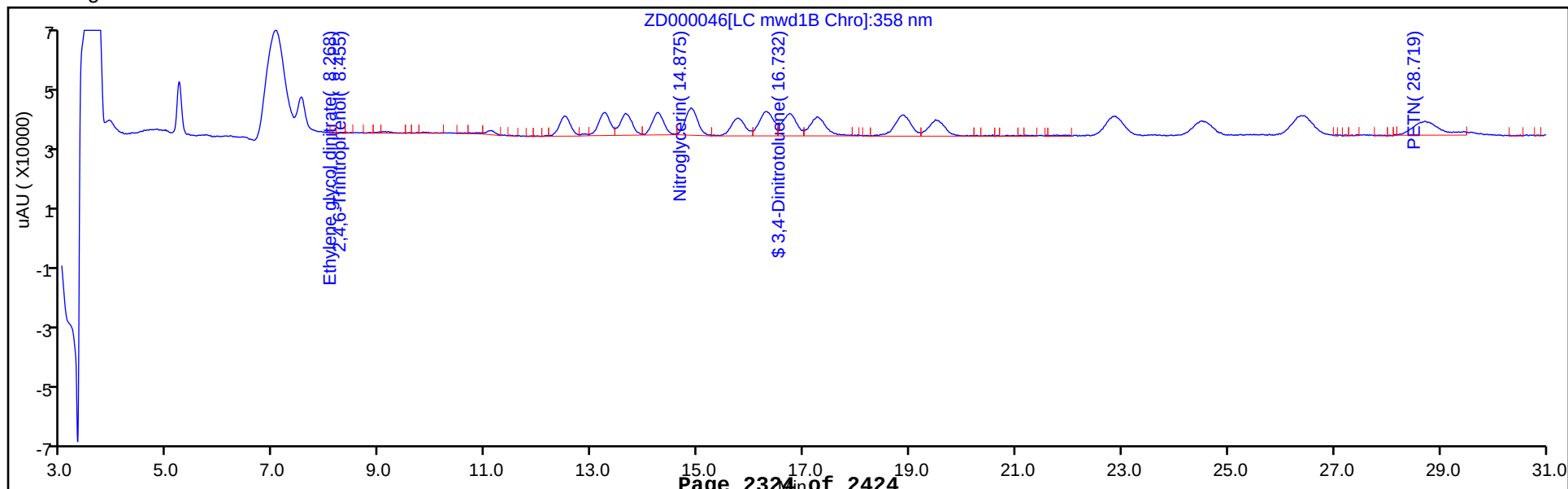
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1

SDG No.: _____

Client Sample ID: 077SS-0001M-0001-SO MSD Lab Sample ID: 240-17525-5 MSD

Matrix: Solid Lab File ID: ZD000051.D

Analysis Method: 8330B Date Collected: 11/11/2012 10:45

Extraction Method: 8330B Date Extracted: 11/21/2012 15:09

Sample wt/vol: 10.07(g) Date Analyzed: 12/01/2012 19:55

Con. Extract Vol.: 80.00(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.: 6640 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
35572-78-2	2-Amino-4,6-dinitrotoluene	0.491		0.25	0.050	0.012
19406-51-0	4-Amino-2,6-dinitrotoluene	0.509		0.25	0.050	0.0099
99-65-0	1,3-Dinitrobenzene	0.507		0.25	0.050	0.0042
121-14-2	2,4-Dinitrotoluene	0.500		0.25	0.050	0.0053
606-20-2	2,6-Dinitrotoluene	0.491		0.25	0.050	0.0072
2691-41-0	HMX	0.497		0.25	0.050	0.012
98-95-3	Nitrobenzene	0.509		0.25	0.050	0.017
55-63-0	Nitroglycerin	0.973		0.50	0.25	0.015
88-72-2	2-Nitrotoluene	0.466		0.25	0.050	0.013
99-08-1	3-Nitrotoluene	0.475		0.25	0.050	0.015
99-99-0	4-Nitrotoluene	0.470		0.25	0.050	0.018
78-11-5	PETN	0.954		0.50	0.25	0.025
121-82-4	RDX	0.502		0.25	0.050	0.012
479-45-8	Tetryl	0.382		0.25	0.050	0.0099
99-35-4	1,3,5-Trinitrobenzene	0.497		0.25	0.050	0.0099
118-96-7	2,4,6-Trinitrotoluene	0.416		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\20121130-1608.b\ZD000051.D
 Lims ID: 240-17525-A-5-X MSD Client ID: 077SS-0001M-0002-SO
 Inject. Date: 01-Dec-2012 19:55:31 Dil. Factor: 1.0000
 Sample Type: MSD
 Sample ID: 320-0001608-051
 Misc. Info.:
 Operator: RN Instrument ID: LC10
 Injection Vol: 500.0 ul ALS Bottle#: 52
 Lims Batch ID: 6640 Lims Sample ID: 51
 Method: \\SACChrom\ChromData\LC10\20121130-1608.b\8330_LC10.m
 Last Update: 03-Dec-2012 09:11:22 Calib Date: 01-Sep-2012 16:31:00
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
 Process Host: XAWRK011

First Level Reviewer: noonanr

Date:

03-Dec-2012 09:11:22

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

11 HMX						
1	5.222	5.215	0.007	7870	62.6	
19 RDX						
1	7.518	7.509	0.009	5625	63.2	
3 Ethylene glycol dinitrate						
2	8.115	8.205	-0.090	392	4.05	
10 2,4,6-Trinitrophenol						
2	8.502	8.592	-0.090	204	1.66	
1	8.742	9.855	-1.113	542	6.56	
27 1,3,5-Trinitrobenzene						
1	9.868	9.855	0.013	10187	62.6	
24 1,3-Dinitrobenzene						
1	12.482	12.472	0.010	10323	63.9	
9 3,5-Dinitroaniline						
1	13.215	13.205	0.010	6462	62.2	
20 Tetryl						
1	13.645	13.639	0.006	4162	48.1	
5 Nitrobenzene						
1	14.205	14.209	-0.004	4721	64.0	
7 Nitroglycerin						
2	14.855	14.859	-0.004	7943	122.4	
25 2,4,6-Trinitrotoluene						
1	15.725	15.725	0.0	4864	52.4	
26 4-Amino-2,6-dinitrotoluene						
1	16.252	16.242	0.010	4851	64.1	
\$ 30 3,4-Dinitrotoluene						
1	16.695	16.692	0.003	3407	60.5	
2	16.668	16.695	-0.027	5978	57.9	

Data File: \\SACChrom\ChromData\LC10\20121130-1608.b\ZD000051.D

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
6 2-Amino-4,6-dinitrotoluene						
1	17.202	17.205	-0.003	5166	61.8	
12 2,6-Dinitrotoluene						
1	18.822	18.805	0.017	3682	61.8	
23 2,4-Dinitrotoluene						
1	19.448	19.452	-0.004	6038	62.9	
16 o-Nitrotoluene						
1	22.788	22.779	0.009	2614	58.7	
15 p-Nitrotoluene						
1	24.435	24.445	-0.010	3160	59.1	
8 m-Nitrotoluene						
1	26.305	26.285	0.020	3224	59.8	
21 PETN						
2	28.628	28.655	-0.027	4410	120.1	

Report Date: 03-Dec-2012 09:11:22

Chrom Revision: 2.1 29-Nov-2012 15:29:30

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121130-1608.b\ZD000051.D

Injection Date: 01-Dec-2012 19:55:31

Limit Group: LC 8330B ICAL

Client ID: 077SS-0001M-0002-SO

Instrument ID: LC10

Lims Batch ID: 6640

Lims Sample ID: 51

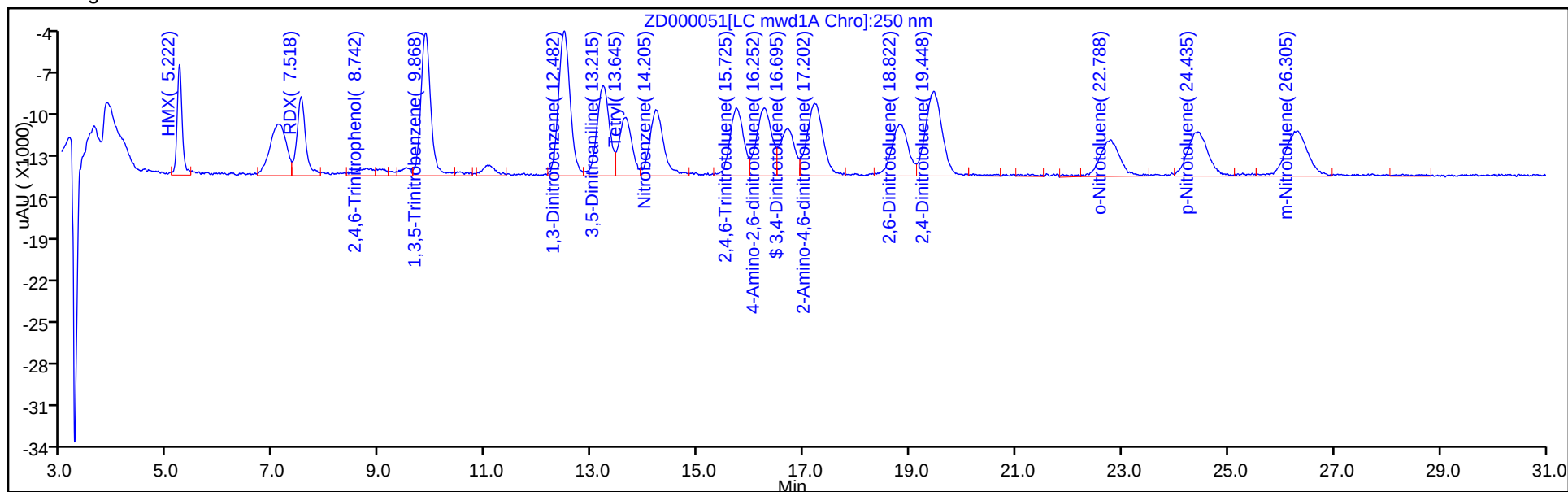
Operator ID: RN

Injection Vol: 500.0 ul

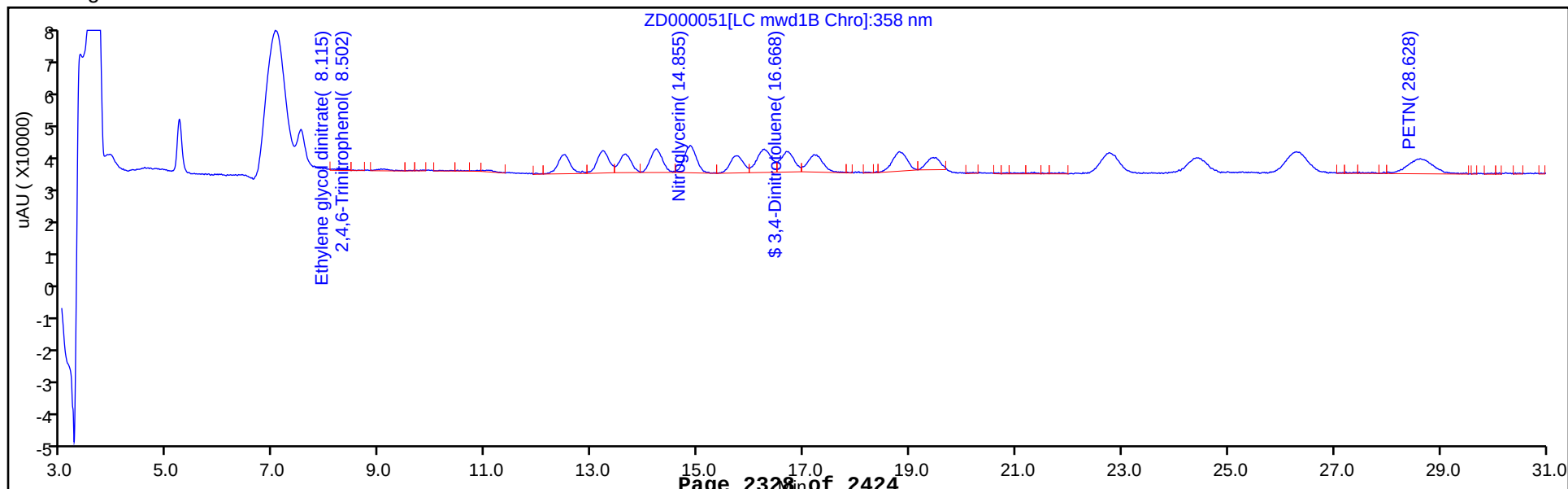
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1

SDG No.: _____

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

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

HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica West SacramentoJob No.: 240-17525-1

SDG No.: _____

Instrument ID: LC10Start Date: 12/01/2012 05:10Analysis Batch Number: 6640End Date: 12/02/2012 09:21

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
STD05 320-6640/29 CCVRT		12/01/2012 05:10	1		Synergi C18 4.6 (mm)
CCVL 320-6640/30		12/01/2012 05:50	1	ZD000030.D	Synergi C18 4.6 (mm)
ZZZZZ		12/01/2012 06:31	1		Synergi C18 4.6 (mm)
ZZZZZ		12/01/2012 07:11	1		Synergi C18 4.6 (mm)
ZZZZZ		12/01/2012 07:51	1		Synergi C18 4.6 (mm)
ZZZZZ		12/01/2012 08:32	1		Synergi C18 4.6 (mm)
ZZZZZ		12/01/2012 09:12	1		Synergi C18 4.6 (mm)
ZZZZZ		12/01/2012 09:52	1		Synergi C18 4.6 (mm)
STD05 320-6640/37 CCVRT		12/01/2012 10:32	1	ZD000037.D	Synergi C18 4.6 (mm)
MB 320-6245/1-A		12/01/2012 11:13	1	ZD000038.D	Synergi C18 4.6 (mm)
LCS 320-6245/2-A		12/01/2012 11:53	1	ZD000039.D	Synergi C18 4.6 (mm)
ZZZZZ		12/01/2012 12:33	1		Synergi C18 4.6 (mm)
ZZZZZ		12/01/2012 13:13	1		Synergi C18 4.6 (mm)
ZZZZZ		12/01/2012 13:53	1		Synergi C18 4.6 (mm)
ZZZZZ		12/01/2012 14:33	1		Synergi C18 4.6 (mm)
240-17525-1	069SS-0001M-0001-S0	12/01/2012 15:14	1	ZD000044.D	Synergi C18 4.6 (mm)
240-17525-1 MS	069SS-0001M-0001-S0 MS	12/01/2012 15:54	1	ZD000045.D	Synergi C18 4.6 (mm)
240-17525-1 MSD	069SS-0001M-0001-S0 MSD	12/01/2012 16:34	1	ZD000046.D	Synergi C18 4.6 (mm)
240-17525-2	069SS-0002M-0001-S0	12/01/2012 17:14	1	ZD000047.D	Synergi C18 4.6 (mm)
STD05 320-6640/48 CCVRT		12/01/2012 17:54	1	ZD000048.D	Synergi C18 4.6 (mm)
240-17525-5	077SS-0001M-0001-S0	12/01/2012 18:35	1	ZD000049.D	Synergi C18 4.6 (mm)
240-17525-5 MS	077SS-0001M-0001-S0 MS	12/01/2012 19:15	1	ZD000050.D	Synergi C18 4.6 (mm)
240-17525-5 MSD	077SS-0001M-0001-S0 MSD	12/01/2012 19:55	1	ZD000051.D	Synergi C18 4.6 (mm)
240-17525-6	077SS-0002M-0001-S0	12/01/2012 20:35	1	ZD000052.D	Synergi C18 4.6 (mm)
ZZZZZ		12/01/2012 21:15	1		Synergi C18 4.6 (mm)
ZZZZZ		12/01/2012 21:56	1		Synergi C18 4.6 (mm)
ZZZZZ		12/01/2012 22:36	1		Synergi C18 4.6 (mm)
ZZZZZ		12/01/2012 23:16	1		Synergi C18 4.6 (mm)
ZZZZZ		12/01/2012 23:56	1		Synergi C18 4.6 (mm)
ZZZZZ		12/02/2012 00:37	1		Synergi C18 4.6 (mm)
STD05 320-6640/59 CCVRT		12/02/2012 01:17	1	ZD000059.D	Synergi C18 4.6 (mm)
ZZZZZ		12/02/2012 01:57	1		Synergi C18 4.6 (mm)
CCVL 320-6640/61		12/02/2012 08:40	1	ZD000070.D	Synergi C18 4.6 (mm)
STD05 320-6640/62 CCVRT		12/02/2012 09:21	1		Synergi C18 4.6 (mm)

HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1

SDG No.: _____

Instrument ID: LC12 Start Date: 10/01/2012 12:30Analysis Batch Number: 4221 End Date: 10/03/2012 00:27

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
STD01 320-4221/2 IC		10/01/2012 12:30	1	C-000004.D	Zorbax CN 4.6 (mm)
STD02 320-4221/3 IC		10/01/2012 13:36	1	C-000005.D	Zorbax CN 4.6 (mm)
STD03 320-4221/4 IC		10/01/2012 14:41	1	C-000006.D	Zorbax CN 4.6 (mm)
STD04 320-4221/5 IC		10/01/2012 15:46	1	C-000007.D	Zorbax CN 4.6 (mm)
STD05 320-4221/6 IC		10/01/2012 16:52	1	C-000008.D	Zorbax CN 4.6 (mm)
STD06 320-4221/7 IC		10/01/2012 17:57	1	C-000009.D	Zorbax CN 4.6 (mm)
STD07 320-4221/8 IC		10/01/2012 19:03	1	C-000010.D	Zorbax CN 4.6 (mm)
STD08 320-4221/9 IC		10/01/2012 20:08	1	C-000011.D	Zorbax CN 4.6 (mm)
ZZZZZ		10/01/2012 21:13	1		Zorbax CN 4.6 (mm)
ZZZZZ		10/01/2012 22:19	1		Zorbax CN 4.6 (mm)
ICV 320-4221/12		10/01/2012 23:24	1	C-000014.D	Zorbax CN 4.6 (mm)
LODV 320-4221/13		10/02/2012 00:29	1	C-000015.D	Zorbax CN 4.6 (mm)
CCV 320-4221/22		10/02/2012 10:17	1		Zorbax CN 4.6 (mm)
CCV 320-4221/32		10/02/2012 21:11	1		Zorbax CN 4.6 (mm)
CCV 320-4221/35		10/03/2012 00:27	1		Zorbax CN 4.6 (mm)

HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1

SDG No.: _____

Instrument ID: LC12 Start Date: 12/04/2012 14:46Analysis Batch Number: 6840 End Date: 12/05/2012 02:45

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCVL 320-6840/3		12/04/2012 14:46	1	D000004.D	Zorbax CN 4.6 (mm)
STD5 320-6840/4 CCVRT		12/04/2012 15:51	1	D000005.D	Zorbax CN 4.6 (mm)
ZZZZZ		12/04/2012 16:57	1		Zorbax CN 4.6 (mm)
ZZZZZ		12/04/2012 18:02	1		Zorbax CN 4.6 (mm)
ZZZZZ		12/04/2012 19:07	1		Zorbax CN 4.6 (mm)
MB 320-6245/1-A		12/04/2012 20:13	1	D000009.D	Zorbax CN 4.6 (mm)
240-17525-1	069SS-0001M-0001-S0	12/04/2012 21:18	1	D000010.D	Zorbax CN 4.6 (mm)
240-17525-2	069SS-0002M-0001-SO	12/04/2012 22:24	1	D000011.D	Zorbax CN 4.6 (mm)
240-17525-6	077SS-0002M-0001-SO	12/04/2012 23:29	1	D000012.D	Zorbax CN 4.6 (mm)
ZZZZZ		12/05/2012 00:34	1		Zorbax CN 4.6 (mm)
CCVL 320-6840/13		12/05/2012 01:40	1	D000014.D	Zorbax CN 4.6 (mm)
STD6 320-6840/14 CCVRT		12/05/2012 02:45	1	D000015.D	Zorbax CN 4.6 (mm)

HPLC/IC BATCH WORKSHEET

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1

SDG No.: _____

Batch Number: 6245 Batch Start Date: 11/21/12 15:09 Batch Analyst: Reed, Jonathan EBatch Method: 8330B Batch End Date: 11/26/12 11:45

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	HP34DNTSU 00008	HP8330SP 00008	HPNGSP 00006	HPPETNSP 00005
MB 320-6245/1		8330B, 8330B		10.00 g	80.00 mL	100 uL			
LCS 320-6245/2		8330B, 8330B		10.00 g	80.00 mL	100 uL	100 uL	200 uL	200 uL
240-17525-O-1	069SS-0001M-0001 -SO	8330B, 8330B	T	10.03 g	80.00 mL	100 uL			
240-17525-A-1 MS	069SS-0001M-0001 -SO	8330B, 8330B	T	9.97 g	80.00 mL	100 uL	100 uL	200 uL	200 uL
240-17525-A-1 MSD	069SS-0001M-0001 -SO	8330B, 8330B	T	10.13 g	80.00 mL	100 uL	100 uL	200 uL	200 uL
240-17525-F-2	069SS-0002M-0001 -SO	8330B, 8330B	T	10.16 g	80.00 mL	100 uL			
240-17525-O-5	077SS-0001M-0001 -SO	8330B, 8330B	T	10.00 g	80.00 mL	100 uL			
240-17525-A-5 MS	077SS-0001M-0001 -SO	8330B, 8330B	T	10.16 g	80.00 mL	100 uL	100 uL	200 uL	200 uL
240-17525-A-5 MSD	077SS-0001M-0001 -SO	8330B, 8330B	T	10.07 g	80.00 mL	100 uL	100 uL	200 uL	200 uL
240-17525-F-6	077SS-0002M-0001 -SO	8330B, 8330B	T	9.97 g	80.00 mL	100 uL			

HPLC/IC BATCH WORKSHEET

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1

SDG No.: _____

Batch Number: 6245 Batch Start Date: 11/21/12 15:09 Batch Analyst: Reed, Jonathan EBatch Method: 8330B Batch End Date: 11/26/12 11:45

Batch Notes	
Balance ID	QA-070
Person's name who did the concentration	HA
Date of Clean up	11-26-12
Analyst performed Clean Up	HA
Diluting Solvent Lot #	CaCL2_00003
Date Dilution Performed	11-26-12
Analyst performing Dilution	HA
Filter Lot #	R2DA02309
Filter Type	.45 MILLIPORE
Minumum Temperature	0
Person's name who witnessed reagent drop	Anil Matri
Blank Sand Lot #	FISHER 120571
Solvent Lot #	HPOAC/ACN_00002
Solvent Name	0.1% HOAC/ACN
Sonication Start Time	20:10 11-21-12
Sonication Stop Time	14:10 11-22-12
SOP Number	WS-LC-0009
Maximum Temperature	35

Basis	Basis Description
T	Total/NA

METALS

COVER PAGE
METALS

Lab Name: TestAmerica Canton Job Number: 240-17525-1

SDG No.: _____

Project: RVAAP - ECC

Client Sample ID	Lab Sample ID
<u>069SS-0001M-0001-S0</u>	<u>240-17525-1</u>
<u>069SS-0002M-0001-S0</u>	<u>240-17525-2</u>
<u>069SS-003M-0001-S0</u>	<u>240-17525-3</u>
<u>069SS-004M-0001-S0</u>	<u>240-17525-4</u>
<u>077SS-0001M-0001-S0</u>	<u>240-17525-5</u>
<u>077SS-0002M-0001-S0</u>	<u>240-17525-6</u>

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 069SS-0001M-0001-S0

Lab Sample ID: 240-17525-1

Lab Name: TestAmerica Canton

Job No.: 240-17525-1

SDG ID.:

Matrix: Solid

Date Sampled: 11/11/2012 09:15

Reporting Basis: WET

Date Received: 11/12/2012 17:57

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Hg	0.028	0.11	0.035	0.015	mg/Kg	J		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 069SS-0002M-0001-SO Lab Sample ID: 240-17525-2

Lab Name: TestAmerica Canton Job No.: 240-17525-1

SDG ID.: _____

Matrix: Solid Date Sampled: 11/11/2012 09:15

Reporting Basis: WET Date Received: 11/12/2012 17:57

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Hg	0.12	0.11	0.036	0.015	mg/Kg			1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 069SS-003M-0001-SO Lab Sample ID: 240-17525-3
Lab Name: TestAmerica Canton Job No.: 240-17525-1
SDG ID.:
Matrix: Solid Date Sampled: 11/11/2012 10:15
Reporting Basis: WET Date Received: 11/12/2012 17:57

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Hg	0.043	0.090	0.030	0.013	mg/Kg	J		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 069SS-004M-0001-SO Lab Sample ID: 240-17525-4
Lab Name: TestAmerica Canton Job No.: 240-17525-1
SDG ID.:
Matrix: Solid Date Sampled: 11/11/2012 09:50
Reporting Basis: WET Date Received: 11/12/2012 17:57

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Hg	0.11	0.092	0.030	0.013	mg/Kg			1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 077SS-0001M-0001-SO Lab Sample ID: 240-17525-5
Lab Name: TestAmerica Canton Job No.: 240-17525-1
SDG ID.:
Matrix: Solid Date Sampled: 11/11/2012 10:45
Reporting Basis: WET Date Received: 11/12/2012 17:57

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Hg	0.045	0.10	0.033	0.014	mg/Kg	J		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 077SS-0002M-0001-SO Lab Sample ID: 240-17525-6
Lab Name: TestAmerica Canton Job No.: 240-17525-1
SDG ID.:
Matrix: Solid Date Sampled: 11/11/2012 10:45
Reporting Basis: WET Date Received: 11/12/2012 17:57

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Hg	0.041	0.098	0.032	0.014	mg/Kg	J		1	7471/DOD

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Canton Job No.: 240-17525-1

SDG No.: _____

ICV Source: MTHGICVW_00439 Concentration Units: ug/L

CCV Source: MTHGCALW_00286

Analyte	ICV 240-66945/7-A 11/30/2012 13:36				CCV 240-66945/10-A 11/30/2012 14:50				CCV 240-66945/10-A 11/30/2012 15:07			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Hg	2.46		2.50	98	5.04		5.00	101	5.04		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.: 240-17525-1

SDG No.: _____

ICV Source: MTHGICVW_00439 Concentration Units: ug/L

CCV Source: MTHGCALW_00286

Analyte	CCV 240-66945/10-A 11/30/2012 15:23				CCV 240-66945/10-A 11/30/2012 15:32				CCV 240-66945/10-A 11/30/2012 15:35			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Hg	5.00		5.00	100	5.03		5.00	101	5.03		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.: 240-17525-1

SDG No.: _____

ICV Source: MTHGICVW_00439 Concentration Units: ug/L

CCV Source: MTHGCALW_00286

Analyte	CCV 240-66945/10-A 11/30/2012 15:51											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Hg	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.

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Canton Job No.: 240-17525-1
SDG No.: _____
Method: 7471/DOD Instrument ID: H1
Lab Sample ID: CRA 240-66945/9-A Concentration Units: ug/L
CRQL Check Standard Source: MTHGCALW_00286

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

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

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

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

FORM IIB-IN

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Canton Job No.: 240-17525-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	ICB 240-66945/8-A 11/30/2012 13:37		CCB 240-66945/11-A 11/30/2012 14:52		CCB 240-66945/11-A 11/30/2012 15:08		CCB 240-66945/11-A 11/30/2012 15:24	
		Found	C	Found	C	Found	C	Found	C
Hg	0.20	0.20	U	0.20	U	0.20	U	0.20	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Canton Job No.: 240-17525-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	CCB 240-66945/11-A 11/30/2012 15:33		CCB 240-66945/11-A 11/30/2012 15:36		CCB 240-66945/11-A 11/30/2012 15:53			
		Found	C	Found	C	Found	C	Found	C
Hg	0.20	0.20	U	0.20	U	0.20	U		

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Canton Job No.: 240-17525-1

SDG No.: _____

Concentration Units: mg/Kg Lab Sample ID: MB 240-65780/1-A

Instrument Code: H1 Batch No.: 67078

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

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: 069SS-0001M-0001-S0 MS

Lab ID: 240-17525-1 MS

Lab Name: TestAmerica Canton

Job No.: 240-17525-1

SDG No.:

Matrix: Solid

Concentration Units: mg/Kg

% Solids:

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA) J	%R	Control Limit %R	Q	Method
Hg	0.206	0.028	0.179	100	80-120		7471/DOD

SSR = Spiked Sample Result

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

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: 077SS-0001M-0001-SO MS Lab ID: 240-17525-5 MS
Lab Name: TestAmerica Canton Job No.: 240-17525-1
SDG No.: _____
Matrix: Solid Concentration Units: mg/Kg
% Solids: _____

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA) J	%R	Control Limit %R	Q	Method
Hg	0.180	0.045	0.167	81	80-120		7471/DOD

SSR = Spiked Sample Result

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

6-IN
DUPLICATES
METALS

Client ID: 069SS-0001M-0001-S0 DU

Lab ID: 240-17525-1 DU

Lab Name: TestAmerica Canton

Job No.: 240-17525-1

SDG No.: _____

% Solids for Sample: _____

% Solids for Duplicate: _____

Matrix: Solid

Concentration Units: mg/Kg

Analyte	Control Limit	Sample (S) C	Duplicate (D) C	RPD	Q	Method
Hg	0.11	0.028 J	0.0509 J	59		7471/DOD

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

FORM VI-IN

6-IN
DUPLICATES
METALS

Client ID: 077SS-0001M-0001-SO DU

Lab ID: 240-17525-5 DU

Lab Name: TestAmerica Canton

Job No.: 240-17525-1

SDG No.:

% Solids for Sample:

% Solids for Duplicate:

Matrix: Solid

Concentration Units: mg/Kg

Analyte	Control Limit	Sample (S) C	Duplicate (D) C	RPD	Q	Method
Hg	0.10	0.045 J	0.0354 J	24		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 240-65780/2-A

Lab Name: TestAmerica Canton

Job No.: 240-17525-1

Sample Matrix: Solid

LCS Source: MTHGICVW_00433

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Hg	0.833	0.706		85	80	120		7471/DOD

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

FORM VIIA - IN

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Canton Job Number: 240-17525-1
SDG Number: _____
Matrix: Solid Instrument ID: H1
Method: 7471/DOD DL Date: 02/16/2010 09:46
Prep Method: 7471A
Leach Method: Increment, Prep

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

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Canton Job Number: 240-17525-1
SDG Number: _____
Matrix: Solid Instrument ID: H1
Method: 7471/DOD XMDL Date: 02/16/2010 09:47

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

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-17525-1

SDG No.: _____

Prep Method: 7471A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 240-65780/1-A	11/20/2012 14:55	65780	0.60		100
LCS 240-65780/2-A	11/20/2012 14:55	65780	0.60		100
240-17525-1	11/20/2012 14:55	65780	0.56		100
240-17525-1 DU	11/20/2012 14:55	65780	0.56		100
240-17525-1 MS	11/20/2012 14:55	65780	0.56		100
240-17525-2	11/20/2012 14:55	65780	0.55		100
240-17525-3	11/20/2012 14:55	65780	0.67		100
240-17525-4	11/20/2012 14:55	65780	0.65		100
240-17525-5	11/20/2012 14:55	65780	0.60		100
240-17525-5 DU	11/20/2012 14:55	65780	0.60		100
240-17525-5 MS	11/20/2012 14:55	65780	0.60		100
240-17525-6	11/20/2012 14:55	65780	0.61		100

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-17525-1

SDG No.: _____

Instrument ID: H1 Method: 7471/DOD

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

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				H g																	
IC 240-66945/1-A			13:25	X																	
IC 240-66945/2-A			13:27	X																	
IC 240-66945/3-A			13:28	X																	
IC 240-66945/4-A			13:30	X																	
IC 240-66945/5-A			13:31	X																	
IC 240-66945/6-A			13:32	X																	
CRA 240-66945/9-A			13:35																		
ICV 240-66945/7-A	1		13:36	X																	
ICB 240-66945/8-A	1		13:37	X																	
CRA 240-66945/9-A	1		13:39	X																	
CCV 240-66945/10-A			14:17																		
CCB 240-66945/11-A			14:19																		
ZZZZZZ			14:20																		
ZZZZZZ			14:22																		
ZZZZZZ			14:23																		
ZZZZZZ			14:24																		
ZZZZZZ			14:26																		
ZZZZZZ			14:27																		
ZZZZZZ			14:28																		
ZZZZZZ			14:30																		
ZZZZZZ			14:31																		
ZZZZZZ			14:32																		
CCV 240-66945/10-A			14:34																		
CCB 240-66945/11-A			14:35																		
ZZZZZZ			14:36																		
ZZZZZZ			14:38																		
ZZZZZZ			14:39																		
ZZZZZZ			14:40																		
ZZZZZZ			14:42																		
ZZZZZZ			14:43																		
ZZZZZZ			14:45																		
ZZZZZZ			14:46																		
ZZZZZZ			14:47																		
ZZZZZZ			14:49																		
CCV 240-66945/10-A	1		14:50	X																	
CCB 240-66945/11-A	1		14:52	X																	
ZZZZZZ			14:53																		
ZZZZZZ			14:54																		
ZZZZZZ			14:56																		
ZZZZZZ			14:57																		
ZZZZZZ			14:58																		
MB 240-65780/1-A	1	T	15:00	X																	

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-17525-1

SDG No.: _____

Instrument ID: H1 Method: 7471/DOD

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

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				H g																	
LCS 240-65780/2-A	1	T	15:02	X																	
240-17525-1	1	T	15:03	X																	
240-17525-1 DU	1	T	15:04	X																	
240-17525-1 MS	1	T	15:06	X																	
CCV 240-66945/10-A	1		15:07	X																	
CCB 240-66945/11-A	1		15:08	X																	
240-17525-6	1	T	15:10	X																	
ZZZZZZ			15:11																		
240-17525-5	1	T	15:13	X																	
240-17525-5 DU	1	T	15:14	X																	
240-17525-5 MS	1	T	15:15	X																	
ZZZZZZ			15:17																		
ZZZZZZ			15:18																		
ZZZZZZ			15:19																		
ZZZZZZ			15:20																		
240-17525-2	1	T	15:22	X																	
CCV 240-66945/10-A	1		15:23	X																	
CCB 240-66945/11-A	1		15:24	X																	
ZZZZZZ			15:26																		
ZZZZZZ			15:27																		
ZZZZZZ			15:29																		
240-17525-3	1	T	15:30	X																	
CCV 240-66945/10-A	1		15:32	X																	
CCB 240-66945/11-A	1		15:33	X																	
CCV 240-66945/10-A	1		15:35	X																	
CCB 240-66945/11-A	1		15:36	X																	
240-17525-4	1	T	15:38	X																	
ZZZZZZ			15:39																		
ZZZZZZ			15:40																		
ZZZZZZ			15:42																		
ZZZZZZ			15:43																		
ZZZZZZ			15:44																		
ZZZZZZ			15:46																		
ZZZZZZ			15:47																		
ZZZZZZ			15:48																		
ZZZZZZ			15:50																		
CCV 240-66945/10-A	1		15:51	X																	
CCB 240-66945/11-A	1		15:53	X																	
ZZZZZZ			15:54																		
ZZZZZZ			15:55																		
ZZZZZZ			15:57																		
ZZZZZZ			15:58																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-17525-1

SDG No.: _____

Instrument ID: H1 Method: 7471/DOD

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

Lab Sample ID	D / F	T y p e	Time	Analytes															
				H g															
ZZZZZZ			15:59																
ZZZZZZ			16:01																
ZZZZZZ			16:02																
ZZZZZZ			16:04																
ZZZZZZ			16:05																
ZZZZZZ			16:06																
CCV 240-66945/10-A			16:08																
CCB 240-66945/11-A			16:09																
ZZZZZZ			16:11																
ZZZZZZ			16:12																
ZZZZZZ			16:13																
ZZZZZZ			16:15																
ZZZZZZ			16:16																
ZZZZZZ			16:17																
ZZZZZZ			16:19																
ZZZZZZ			16:20																
ZZZZZZ			16:22																
ZZZZZZ			16:23																
CCV 240-66945/10-A			16:25																
CCB 240-66945/11-A			16:26																
ZZZZZZ			16:28																
ZZZZZZ			16:29																
ZZZZZZ			16:30																
ZZZZZZ			16:32																
ZZZZZZ			16:33																
ZZZZZZ			16:34																
ZZZZZZ			16:36																
ZZZZZZ			16:37																
ZZZZZZ			16:39																
ZZZZZZ			16:40																
CCV 240-66945/10-A			16:41																
CCB 240-66945/11-A			16:43																
ZZZZZZ			16:44																
ZZZZZZ			16:45																
ZZZZZZ			16:47																
ZZZZZZ			16:48																
ZZZZZZ			16:50																
ZZZZZZ			16:51																
ZZZZZZ			16:53																
ZZZZZZ			16:54																
ZZZZZZ			16:55																
ZZZZZZ			16:57																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-17525-1

SDG No.: _____

Instrument ID: H1 Method: 7471/DOD

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

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

Prep Types

T = Total/NA

TestAmerica North Canton Hg Data Review Checklist

Run/Project Information:

Circle Methods used: 7470A / 245.1: 7471:

Run Date: 11/30/12 Analyst: DSH Instrument: H1

Review Items

A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Instrument calibrated per manufacturer's instructions and at SOP specified levels?	✓			✓
2. ICV/CCV analyzed at appropriate frequency and within control limits?	✓			✓
3. ICB/CCB analyzed at appropriate frequency and within +/- RL?	✓			✓
4. CRA run?	✓			✓
B. Sample Results				
1. Were samples with concentrations > high calibration standard diluted and reanalyzed?	✓			✓
2. All reported results bracketed by in control QC?	✓			✓
3. Sample analyses done within holding time?	✓			✓
C. Preparation/ Matrix QC				
1. LCS done per prep batch and within QC limits?	✓			✓
2. Method blank done per prep batch and < RL?	✓			✓
3. MS run at required frequency and within limits?	✓			✓
4. MSD or DU run at required frequency and RPD within SOP limits?	✓			✓
D. Other				
1. Are all nonconformances documented appropriately?			✓	✓
2. Current IDL/MDL data on file?	✓			✓
3. Calculations and Transcription checked for error?	✓			✓
4. All client/project specific requirements met?	✓			✓
5. Date of analysis verified as correct?	✓			✓

Level I

Analyst: [Signature] Date/Time: 12/3/12 Reviewed from 13:25 to 17:26
 Analyst: _____ Date/Time: _____ Reviewed from _____ to _____

Comments: Batch # 67078 DOD LCG

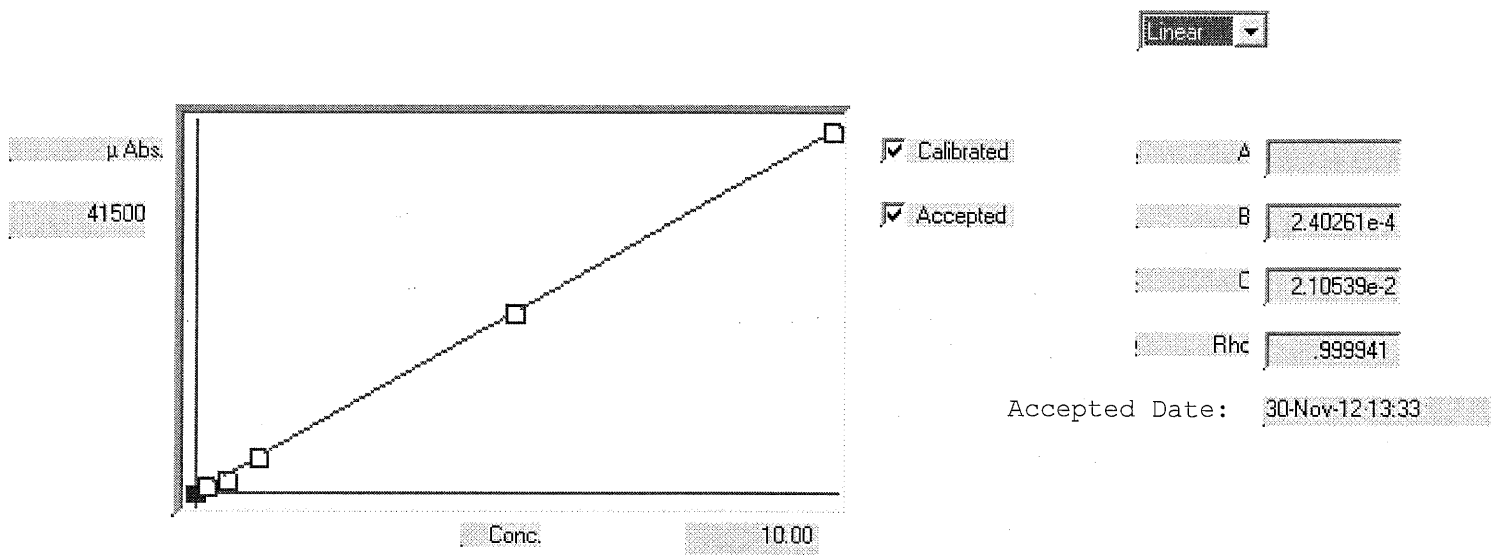
Level II

Reviewer: [Signature] Date/Time: 12/3/2012 Reviewed from 13:25 to 17:26
 Reviewer: _____ Date/Time: _____ Reviewed from _____ to _____

Comments: _____

Curve Date 11/30/12 Curve Time 9:37 - 10:07A DILUTION H2O 00012
 Revised 11/29/2012

Protocol: 1130AHG1



S	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
01	.00000	.0309	.0309	42	0	41				
02	.20000	.2157	.0157	811	0%	810				
03	.50000	.4163	-.0837	1645	0%	1645				
04	1.0000	1.029	.0289	4196	0%	4195				
05	5.0000	5.016	.0163	20791	0%	20791				
06	10.000	9.992	-.0081	41500	0%	41500				
07										
08										
09										
10										

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

*** Standard: 1 Rep: 1				Seq: 1		13:25:32	30 Nov 12	HG
Hg	.0000	ppb	41					
*** Standard: 2 Rep: 1				Seq: 2		13:27:01	30 Nov 12	HG
Hg	.2000	ppb	810					
*** Standard: 3 Rep: 1				Seq: 3		13:28:21	30 Nov 12	HG
Hg	.5000	ppb	1645					
*** Standard: 4 Rep: 1				Seq: 4		13:30:11	30 Nov 12	HG
Hg	1.000	ppb	4195					
*** Standard: 5 Rep: 1				Seq: 5		13:31:32	30 Nov 12	HG
Hg	5.000	ppb	20791					
*** Standard: 6 Rep: 1				Seq: 6		13:32:59	30 Nov 12	HG
Hg	10.00	ppb	41500					
*** Check Standard: 4 Ck4CRA\MRL				Seq: 7		13:35:00	30 Nov 12	HG
Line Flag %Rcv. Found True Units						SD/RSD		
Hg		118.4	.2368	.2000	ppb	.0000		
*** Check Standard: 2 Ck2ICV				Seq: 8		13:36:31	30 Nov 12	HG
Line Flag %Rcv. Found True Units						SD/RSD		
Hg		98.42	2.460	2.500	ppb	.0000		
*** Check Standard: 3 Ck3ICB				Seq: 9		13:37:59	30 Nov 12	HG
Line Flag %Rcv. Found True Units						SD/RSD		
Hg		^^^^^	.0244	.0000	ppb	.0000		
*** Check Standard: 4 Ck4CRA\MRL				Seq: 10		13:39:38	30 Nov 12	HG
Line Flag %Rcv. Found True Units						SD/RSD		
Hg		117.6	.2351	.2000	ppb	.0000		
*** Check Standard: 6 Ck6CCV				Seq: 11		14:17:59	30 Nov 12	HG
Line Flag %Rcv. Found True Units						SD/RSD		
Hg		99.25	4.963	5.000	ppb	.0000		
*** Check Standard: 1 Ck1CCB				Seq: 12		14:19:32	30 Nov 12	HG
Line Flag Found Range(+/-) Units						SD/RSD		
Hg		.0105	.2000	ppb		.0000		
*** Sample ID:				Seq: 13		14:20:57	30 Nov 12	HG
			MB 240-66302/1-A					
Hg	.0287	ppb	.0000	.0287				
*** Sample ID:				Seq: 14		14:22:12	30 Nov 12	HG
			LCS 240-66302/2-A					
Hg	4.785	ppb	.0000	4.785				
*** Sample ID:				Seq: 15		14:23:33	30 Nov 12	HG
			240-16580-A-17-B					
Hg	.2125	ppb	.0000	.2125				
*** Sample ID:				Seq: 16		14:24:50	30 Nov 12	HG
			240-16945-A-6-B					
Hg	.2149	ppb	.0000	.2149				

*Run out
 of order
 return below
 12/3/12 DSH*

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: Seq: 17 14:26:05 30 Nov 12 HG								
				240-17467-L-2-D				
Hg	1.859	ppb	.0000	1.859				
*** Sample ID: Seq: 18 14:27:33 30 Nov 12 HG								
				240-17467-L-2-E DU				
Hg	1.923	ppb	.0000	1.923				
*** Sample ID: Seq: 19 14:28:50 30 Nov 12 HG								
				240-17467-L-2-F MS				
Hg	2.463	ppb	.0000	2.463				
*** Sample ID: Seq: 20 14:30:05 30 Nov 12 HG								
				240-17467-B-7-A@5				
Hg	4.990	ppb	.0000	4.990				
*** Sample ID: Seq: 21 14:31:34 30 Nov 12 HG								
				240-17768-E-20-C				
Hg	.2234	ppb	.0000	.2234				
*** Sample ID: Seq: 22 14:32:53 30 Nov 12 HG								
				240-17768-E-11-C				
Hg	.2101	ppb	.0000	.2101				
*** Check Standard: 6 Ck6CCV Seq: 23 14:34:10 30 Nov 12 HG								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		100.7	5.035	5.000	ppb	.0000		
*** Check Standard: 1 Ck1CCB Seq: 24 14:35:35 30 Nov 12 HG								
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		.0167	.2000	ppb	.0000			
*** Sample ID: Seq: 25 14:36:56 30 Nov 12 HG								
				240-17768-E-10-C				
Hg	.1433	ppb	.0000	.1433				
*** Sample ID: Seq: 26 14:38:12 30 Nov 12 HG								
				240-17768-E-12-C				
Hg	.1580	ppb	.0000	.1580				
*** Sample ID: Seq: 27 14:39:32 30 Nov 12 HG								
				240-17768-E-22-C				
Hg	.2029	ppb	.0000	.2029				
*** Sample ID: Seq: 28 14:40:58 30 Nov 12 HG								
				240-17768-E-19-C				
Hg	.2510	ppb	.0000	.2510				
*** Sample ID: Seq: 29 14:42:15 30 Nov 12 HG								
				240-17768-E-17-C				
Hg	.2140	ppb	.0000	.2140				
*** Sample ID: Seq: 30 14:43:42 30 Nov 12 HG								
				240-17768-E-15-C				
Hg	.1873	ppb	.0000	.1873				
*** Sample ID: Seq: 31 14:45:01 30 Nov 12 HG								
				240-17467-E-4-E				
Hg	3.917	ppb	.0000	3.917				
*** Sample ID: Seq: 32 14:46:17 30 Nov 12 HG								
				240-17669-B-8-D				
Hg	.0227	ppb	.0000	.0227				

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: Seq: 33 14:47:53 30 Nov 12 HG								
					240-17768-E-15-C			
Hg	.1916	ppb	.0000	.1916				
*** Sample ID: Seq: 34 14:49:14 30 Nov 12 HG								
					240-17768-E-14-C			
Hg	.2419	ppb	.0000	.2419				
*** Check Standard: 6 Ck6CCV Seq: 35 14:50:40 30 Nov 12 HG								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		100.7	5.035	5.000	ppb	.0000		
*** Check Standard: 1 Ck1CCB Seq: 36 14:52:07 30 Nov 12 HG								
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		.0458	.2000	ppb	.0000			
*** Sample ID: Seq: 37 14:53:24 30 Nov 12 HG								
					240-17768-E-23-C			
Hg	.1383	ppb	.0000	.1383				
*** Sample ID: Seq: 38 14:54:51 30 Nov 12 HG								
					240-17768-E-9-C			
Hg	.2443	ppb	.0000	.2443				
*** Sample ID: Seq: 39 14:56:09 30 Nov 12 HG								
					240-17768-E-21-C			
Hg	.2056	ppb	.0000	.2056				
*** Sample ID: Seq: 40 14:57:26 30 Nov 12 HG								
					240-17768-E-13-C			
Hg	.2709	ppb	.0000	.2709				
*** Sample ID: Seq: 41 14:58:42 30 Nov 12 HG								
					240-17768-E-18-C			
Hg	.2318	ppb	.0000	.2318				
*** Sample ID: Seq: 42 15:00:38 30 Nov 12 HG								
					MB 240-65780/1-A			
Hg	.0474	ppb	.0000	-.0474				
*** Sample ID: Seq: 43 15:02:13 30 Nov 12 HG								
					LCS 240-65780/2-A			
Hg	4.236	ppb	.0000	4.236				
*** Sample ID: Seq: 44 15:03:42 30 Nov 12 HG								
					240-17525-A-1-O			
Hg	.1554	ppb	.0000	.1554				
*** Sample ID: Seq: 45 15:04:59 30 Nov 12 HG								
					240-17525-A-1-P DU			
Hg	.2849	ppb	.0000	.2849				
*** Sample ID: Seq: 46 15:06:25 30 Nov 12 HG								
					240-17525-A-1-Q MS			
Hg	1.152	ppb	.0000	1.152				
*** Check Standard: 6 Ck6CCV Seq: 47 15:07:41 30 Nov 12 HG								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		100.7	5.036	5.000	ppb	.0000		
*** Check Standard: 1 Ck1CCB Seq: 48 15:08:56 30 Nov 12 HG								
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		.0158	.2000	ppb	.0000			

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

*** Sample ID:				Seq: 49		15:10:23	30 Nov 12	HG
				240-17525-A-6-F				
Hg	.2495	ppb	.0000	.2495				
*** Sample ID:				Seq: 50		15:11:42	30 Nov 12	HG
				240-17602-A-2-D				
Hg	.1318	ppb	.0000	.1318				
*** Sample ID:				Seq: 51		15:13:02	30 Nov 12	HG
				240-17525-A-5-O				
Hg	.2700	ppb	.0000	.2700				
*** Sample ID:				Seq: 52		15:14:18	30 Nov 12	HG
				240-17525-A-5-P DU				
Hg	.2123	ppb	.0000	.2123				
*** Sample ID:				Seq: 53		15:15:35	30 Nov 12	HG
				240-17525-A-5-Q MS				
Hg	1.079	ppb	.0000	1.079				
*** Sample ID:				Seq: 54		15:17:03	30 Nov 12	HG
				240-17602-A-5-D				
Hg	.1534	ppb	.0000	.1534				
*** Sample ID:				Seq: 55		15:18:20	30 Nov 12	HG
				240-17602-A-6-D				
Hg	.1686	ppb	.0000	.1686				
*** Sample ID:				Seq: 56		15:19:38	30 Nov 12	HG
				240-17602-A-10-D				
Hg	.0763	ppb	.0000	.0763				
*** Sample ID:				Seq: 57		15:20:55	30 Nov 12	HG
				240-17602-A-4-D				
Hg	.1390	ppb	.0000	.1390				
*** Sample ID:				Seq: 58		15:22:16	30 Nov 12	HG
				240-17525-A-2-I				
Hg	.6522	ppb	.0000	.6522				
*** Check Standard: 6	Ck6CCV			Seq: 59		15:23:38	30 Nov 12	HG
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		99.99	4.999	5.000	ppb	.0000		
*** Check Standard: 1	Ck1CCB			Seq: 60		15:24:54	30 Nov 12	HG
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		.0189	.2000	ppb	.0000			
*** Sample ID:				Seq: 61		15:26:10	30 Nov 12	HG
				240-17602-A-1-D				
Hg	.1902	ppb	.0000	.1902				
*** Sample ID:				Seq: 62		15:27:38	30 Nov 12	HG
				240-17602-A-8-D				
Hg	.1525	ppb	.0000	.1525				
*** Sample ID:				Seq: 63		15:29:08	30 Nov 12	HG
				240-17602-A-7-D				
Hg	.1527	ppb	.0000	.1527				
*** Sample ID:				Seq: 64		15:30:44	30 Nov 12	HG
				240-17525-A-3-D				
Hg	.2861	ppb	.0000	.2861				

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Check Standard: 6 Ck6CCV Seq: 65 15:32:01 30 Nov 12 HG								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		100.7	5.034	5.000	ppb	.0000		
*** Check Standard: 1 Ck1CCB Seq: 66 15:33:16 30 Nov 12 HG								
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		.0023	.2000	ppb	.0000			
*** Check Standard: 6 Ck6CCV Seq: 67 15:35:28 30 Nov 12 HG								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		100.6	5.032	5.000	ppb	.0000		
*** Check Standard: 1 Ck1CCB Seq: 68 15:36:46 30 Nov 12 HG								
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.0152	.2000	ppb	.0000			
*** Sample ID: Seq: 69 15:38:12 30 Nov 12 HG								
			240-17525-A-4-D					
Hg	.7409	ppb	.0000	.7409				
*** Sample ID: Seq: 70 15:39:33 30 Nov 12 HG								
			240-17602-A-9-D					
Hg	.1176	ppb	.0000	.1176				
*** Sample ID: Seq: 71 15:40:48 30 Nov 12 HG								
			240-17602-A-3-D					
Hg	.1578	ppb	.0000	.1578				
*** Sample ID: Seq: 72 15:42:03 30 Nov 12 HG								
			MB 240-65940/1-A					
Hg	.0320	ppb	.0000	-.0320				
*** Sample ID: Seq: 73 15:43:20 30 Nov 12 HG								
			LCS 240-65940/2-A					
Hg	5.094	ppb	.0000	5.094				
*** Sample ID: Seq: 74 15:44:36 30 Nov 12 HG								
			240-17602-E-11-F					
Hg	.0223	ppb	.0000	.0223				
*** Sample ID: Seq: 75 15:46:12 30 Nov 12 HG								
			240-17602-E-11-G DU					
Hg	.1277	ppb	.0000	.1277				
*** Sample ID: Seq: 76 15:47:28 30 Nov 12 HG								
			240-17602-E-11-H MS					
Hg	.9698	ppb	.0000	.9698				
*** Sample ID: Seq: 77 15:48:48 30 Nov 12 HG								
			240-17602-E-20-C					
Hg	.0155	ppb	.0000	.0155				
*** Sample ID: Seq: 78 15:50:09 30 Nov 12 HG								
			240-17602-E-16-D					
Hg	.2159	ppb	.0000	.2159				
*** Check Standard: 6 Ck6CCV Seq: 79 15:51:49 30 Nov 12 HG								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		100.2	5.008	5.000	ppb	.0000		
*** Check Standard: 1 Ck1CCB Seq: 80 15:53:07 30 Nov 12 HG								
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		.0347	.2000	ppb	.0000			

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

*** Sample ID:				Seq: 81		15:54:37	30 Nov 12	HG
				240-17602-E-12-D				
Hg	.1902	ppb	.0000	.1902				
*** Sample ID:				Seq: 82		15:55:54	30 Nov 12	HG
				240-17602-E-22-C				
Hg	.0295	ppb	.0000	.0295				
*** Sample ID:				Seq: 83		15:57:14	30 Nov 12	HG
				240-17602-E-21-C				
Hg	.1681	ppb	.0000	.1681				
*** Sample ID:				Seq: 84		15:58:30	30 Nov 12	HG
				240-17602-E-18-D				
Hg	.0172	ppb	.0000	.0172				
*** Sample ID:				Seq: 85		15:59:59	30 Nov 12	HG
				240-17669-B-3-D				
Hg	.1611	ppb	.0000	.1611				
*** Sample ID:				Seq: 86		16:01:24	30 Nov 12	HG
				240-17669-B-7-C				
Hg	.0235	ppb	.0000	.0235				
*** Sample ID:				Seq: 87		16:02:40	30 Nov 12	HG
				240-17602-E-17-D				
Hg	.1655	ppb	.0000	.1655				
*** Sample ID:				Seq: 88		16:04:00	30 Nov 12	HG
				240-17602-E-19-F				
Hg	.0391	ppb	.0000	.0391				
*** Sample ID:				Seq: 89		16:05:19	30 Nov 12	HG
				240-17669-B-6-D				
Hg	.2041	ppb	.0000	.2041				
*** Sample ID:				Seq: 90		16:06:40	30 Nov 12	HG
				240-17669-B-2-D				
Hg	.1304	ppb	.0000	.1304				
*** Check Standard: 6	Ck6CCV			Seq: 91		16:08:00	30 Nov 12	HG
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		99.51	4.975	5.000	ppb	.0000		
*** Check Standard: 1	Ck1CCB			Seq: 92		16:09:20	30 Nov 12	HG
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.0116	.2000	ppb	.0000			
*** Sample ID:				Seq: 93		16:11:00	30 Nov 12	HG
				240-17602-E-14-D				
Hg	.1630	ppb	.0000	.1630				
*** Sample ID:				Seq: 94		16:12:19	30 Nov 12	HG
				240-17669-B-4-D				
Hg	.2137	ppb	.0000	.2137				
*** Sample ID:				Seq: 95		16:13:48	30 Nov 12	HG
				240-17602-E-13-D				
Hg	.1616	ppb	.0000	.1616				
*** Sample ID:				Seq: 96		16:15:23	30 Nov 12	HG
				240-17669-B-5-D				
Hg	.1866	ppb	.0000	.1866				

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: Seq: 97 16:16:40 30 Nov 12 HG								
					240-17669-B-1-D			
Hg	.1554	ppb	.0000	.1554				
*** Sample ID: Seq: 98 16:17:58 30 Nov 12 HG								
					MB 240-66416/1-A			
Hg	.0066	ppb	.0000	.0066				
*** Sample ID: Seq: 99 16:19:14 30 Nov 12 HG								
					LCS 240-66416/2-A			
Hg	4.608	ppb	.0000	4.608				
*** Sample ID: Seq: 100 16:20:52 30 Nov 12 HG								
					240-17796-E-1-F			
Hg	.1993	ppb	.0000	.1993				
*** Sample ID: Seq: 101 16:22:11 30 Nov 12 HG								
					240-17796-E-1-G DU			
Hg	.2339	ppb	.0000	.2339				
*** Sample ID: Seq: 102 16:23:49 30 Nov 12 HG								
					240-17796-E-1-H MS			
Hg	1.183	ppb	.0000	1.183				
*** Check Standard: 6 Ck6CCV Seq: 103 16:25:16 30 Nov 12 HG								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		100.4	5.018	5.000	ppb	.0000		
*** Check Standard: 1 Ck1CCB Seq: 104 16:26:43 30 Nov 12 HG								
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		.0254	.2000	ppb	.0000			
*** Sample ID: Seq: 105 16:28:00 30 Nov 12 HG								
					240-17796-E-24-D			
Hg	.1755	ppb	.0000	.1755				
*** Sample ID: Seq: 106 16:29:20 30 Nov 12 HG								
					240-17796-B-10-E			
Hg	.2834	ppb	.0000	.2834				
*** Sample ID: Seq: 107 16:30:52 30 Nov 12 HG								
					240-17796-E-8-D			
Hg	.2306	ppb	.0000	.2306				
*** Sample ID: Seq: 108 16:32:12 30 Nov 12 HG								
					240-17796-B-15-E			
Hg	.0881	ppb	.0000	.0881				
*** Sample ID: Seq: 109 16:33:33 30 Nov 12 HG								
					240-17796-B-11-E			
Hg	.1027	ppb	.0000	.1027				
*** Sample ID: Seq: 110 16:34:59 30 Nov 12 HG								
					240-17796-B-12-E			
Hg	.1044	ppb	.0000	.1044				
*** Sample ID: Seq: 111 16:36:18 30 Nov 12 HG								
					240-17796-B-14-E			
Hg	.1366	ppb	.0000	.1366				
*** Sample ID: Seq: 112 16:37:35 30 Nov 12 HG								
					240-17796-E-4-D			
Hg	.1890	ppb	.0000	.1890				

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: Seq: 113 16:39:04 30 Nov 12 HG								
				240-17796-E-23-D				
Hg	.1044	ppb	.0000	.1044				
*** Sample ID: Seq: 114 16:40:20 30 Nov 12 HG								
				240-17796-B-13-E				
Hg	.1373	ppb	.0000	.1373				
*** Check Standard: 6 Ck6CCV Seq: 115 16:41:37 30 Nov 12 HG								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		99.99	4.999	5.000	ppb	.0000		
*** Check Standard: 1 Ck1CCB Seq: 116 16:43:03 30 Nov 12 HG								
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		.0059	.2000	ppb	.0000			
*** Sample ID: Seq: 117 16:44:28 30 Nov 12 HG								
				240-17796-E-6-D				
Hg	.2623	ppb	.0000	.2623				
*** Sample ID: Seq: 118 16:45:49 30 Nov 12 HG								
				240-17796-B-16-G				
Hg	.1133	ppb	.0000	.1133				
*** Sample ID: Seq: 119 16:47:18 30 Nov 12 HG								
				240-17796-E-7-D				
Hg	.1568	ppb	.0000	.1568				
*** Sample ID: Seq: 120 16:48:47 30 Nov 12 HG								
				240-17796-E-5-D				
Hg	.1751	ppb	.0000	.1751				
*** Sample ID: Seq: 121 16:50:24 30 Nov 12 HG								
				240-17796-E-25-F				
Hg	.1417	ppb	.0000	.1417				
*** Sample ID: Seq: 122 16:51:52 30 Nov 12 HG								
				240-17796-B-2-D				
Hg	.2140	ppb	.0000	.2140				
*** Sample ID: Seq: 123 16:53:09 30 Nov 12 HG								
				240-17796-E-22-D				
Hg	.1599	ppb	.0000	.1599				
*** Sample ID: Seq: 124 16:54:29 30 Nov 12 HG								
				240-17796-B-9-E				
Hg	.1633	ppb	.0000	.1633				
*** Sample ID: Seq: 125 16:55:46 30 Nov 12 HG								
				240-17796-E-3-D				
Hg	.1688	ppb	.0000	.1688				
*** Sample ID: Seq: 126 16:57:06 30 Nov 12 HG								
				MB 240-66624/1-A				
Hg	.0420	ppb	.0000	.0420				
*** Check Standard: 6 Ck6CCV Seq: 127 16:58:47 30 Nov 12 HG								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		98.81	4.940	5.000	ppb	.0000		
*** Check Standard: 1 Ck1CCB Seq: 128 17:00:03 30 Nov 12 HG								
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.0020	.2000	ppb	.0000			

POST-RUN REPORT

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

*** Sample ID:				Seq: 129	17:01:23	30 Nov 12	HG	
				LCS 240-66624/2-A				
Hg	4.252	ppb	.0000	4.252				
*** Sample ID:				Seq: 130	17:02:44	30 Nov 12	HG	
				240-17796-E-26-F				
Hg	.1193	ppb	.0000	.1193				
*** Sample ID:				Seq: 131	17:04:31	30 Nov 12	HG	
				240-17796-E-26-G DU				
Hg	.1474	ppb	.0000	.1474				
*** Sample ID:				Seq: 132	17:06:01	30 Nov 12	HG	
				240-17796-E-26-H MS				
Hg	.9871	ppb	.0000	.9871				
*** Sample ID:				Seq: 133	17:07:37	30 Nov 12	HG	
				240-17796-E-27-D				
Hg	.1662	ppb	.0000	.1662				
*** Sample ID:				Seq: 134	17:09:00	30 Nov 12	HG	
				240-17796-B-28-D				
Hg	.2685	ppb	.0000	.2685				
*** Sample ID:				Seq: 135	17:10:16	30 Nov 12	HG	
				240-17810-E-1-D				
Hg	.0951	ppb	.0000	.0951				
*** Sample ID:				Seq: 136	17:12:03	30 Nov 12	HG	
				240-17810-E-2-D				
Hg	.1580	ppb	.0000	.1580				
*** Sample ID:				Seq: 137	17:13:20	30 Nov 12	HG	
				240-17810-E-3-D				
Hg	.1582	ppb	.0000	.1582				
*** Sample ID:				Seq: 138	17:14:38	30 Nov 12	HG	
				240-17810-E-4-D				
Hg	.1215	ppb	.0000	.1215				
*** Check Standard: 6	Ck6CCV			Seq: 139	17:16:17	30 Nov 12	HG	
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		98.88	4.944	5.000	ppb	.0000		
*** Check Standard: 1	Ck1CCB			Seq: 140	17:17:33	30 Nov 12	HG	
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		.0028	.2000	ppb	.0000			
*** Sample ID:				Seq: 141	17:18:51	30 Nov 12	HG	
				240-17810-E-5-D				
Hg	.2140	ppb	.0000	.2140				
*** Sample ID:				Seq: 142	17:20:13	30 Nov 12	HG	
				240-17810-E-6-D				
Hg	.1570	ppb	.0000	.1570				
*** Sample ID:				Seq: 143	17:21:44	30 Nov 12	HG	
				240-17810-E-7-F				
Hg	.1438	ppb	.0000	.1438				
*** Sample ID:				Seq: 144	17:23:22	30 Nov 12	HG	
				CRA				
Hg	.2202	ppb	.0000	.2202				

Line	Conc.	Units	SD/RSD	1	2	3	4	5
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*** Check Standard: 6 Ck6CCV Seq: 145 17:24:53 30 Nov 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		98.51	4.925	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 146 17:26:31 30 Nov 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		.0215	.2000	ppb	.0000

METALS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-17525-1

SDG No.: _____

Batch Number: 65780 Batch Start Date: 11/20/12 14:55 Batch Analyst: Elshaw, DaleBatch Method: 7471A Batch End Date: 11/20/12 15:25

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MTAQUAREGIA 00395	MTHGICVW 00433	MTKMnO4Liq 00005	
MB 240-65780/1		7471A, 7471/DOD		0.60 g	100 mL	5 mL		15 mL	
LCS 240-65780/2		7471A, 7471/DOD		0.60 g	100 mL	5 mL	1 mL	15 mL	
240-17525-A-1-A	069SS-0001M-0001 -SO	7471A, 7471/DOD	T	0.56 g	100 mL	5 mL		15 mL	
240-17525-A-1-D DU	069SS-0001M-0001 -SO	7471A, 7471/DOD	T	0.56 g	100 mL	5 mL		15 mL	
240-17525-A-1-B MS	069SS-0001M-0001 -SO	7471A, 7471/DOD	T	0.56 g	100 mL	5 mL	0.2 mL	15 mL	
240-17525-A-2-A	069SS-0002M-0001 -SO	7471A, 7471/DOD	T	0.55 g	100 mL	5 mL		15 mL	
240-17525-A-3-A	069SS-003M-0001- SO	7471A, 7471/DOD	T	0.67 g	100 mL	5 mL		15 mL	
240-17525-A-4-A	069SS-004M-0001- SO	7471A, 7471/DOD	T	0.65 g	100 mL	5 mL		15 mL	
240-17525-A-5-A	077SS-0001M-0001 -SO	7471A, 7471/DOD	T	0.60 g	100 mL	5 mL		15 mL	
240-17525-A-5-D DU	077SS-0001M-0001 -SO	7471A, 7471/DOD	T	0.60 g	100 mL	5 mL		15 mL	
240-17525-A-5-B MS	077SS-0001M-0001 -SO	7471A, 7471/DOD	T	0.60 g	100 mL	5 mL	0.2 mL	15 mL	
240-17525-A-6-A	077SS-0002M-0001 -SO	7471A, 7471/DOD	T	0.61 g	100 mL	5 mL		15 mL	

Batch Notes	
Balance ID	b039
Pipette ID	432085-383364-383389
Digestion Tube/Cup Lot #	121014

Basis	Basis Description
T	Total/NA

METALS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-17525-1

SDG No.: _____

Batch Number: 66945 Batch Start Date: 11/30/12 09:37 Batch Analyst: Heakin, DavidBatch Method: 7471A Batch End Date: 11/30/12 10:07

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MTAQUAREGIA 00401	MTHGCALW 00286	MTHGICVW 00439	MTKMnO4Liq 00006
ICV 240-66945/7		7471A, 7471/DOD		100 mL	100 mL	5 mL		0.5 mL	15 mL
ICB 240-66945/8		7471A, 7471/DOD		100 mL	100 mL	5 mL			15 mL
CRA 240-66945/9		7471A, 7471/DOD		100 mL	100 mL	5 mL	0.2 mL		15 mL
CCV 240-66945/10		7471A, 7471/DOD		100 mL	100 mL	5 mL	5 mL		15 mL
CCB 240-66945/11		7471A, 7471/DOD		100 mL	100 mL	5 mL			15 mL

Batch Notes	
Pipette ID	383364, 383366
Digestion Tube/Cup Lot #	00052865

Basis	Basis Description

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-17525-1

SDG No.: _____

Project: RVAAP - ECC

Client Sample ID	Lab Sample ID
<u>069SS-0001M-0001-S0</u>	<u>240-17525-1</u>
<u>069SS-0002M-0001-S0</u>	<u>240-17525-2</u>
<u>069SS-003M-0001-S0</u>	<u>240-17525-3</u>
<u>069SS-004M-0001-S0</u>	<u>240-17525-4</u>
<u>077SS-0001M-0001-S0</u>	<u>240-17525-5</u>
<u>077SS-0002M-0001-S0</u>	<u>240-17525-6</u>

Comments:

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica West Sacramento

Job Number: 240-17525-1

SDG No.: _____

Project: RVAAP - ECC

Client Sample ID

069SS-0001M-0001-S0

069SS-0002M-0001-S0

077SS-0001M-0001-S0

077SS-0002M-0001-S0

Lab Sample ID

240-17525-1

240-17525-2

240-17525-5

240-17525-6

Comments:

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 069SS-0001M-0001-S0

Lab Sample ID: 240-17525-1

Lab Name: TestAmerica West Sacramento

Job No.: 240-17525-1

SDG ID.:

Matrix: Solid

Date Sampled: 11/11/2012 09:15

Reporting Basis: WET

Date Received: 11/12/2012 17:57

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Nitrocellulose	17	47	17	7.4	mg/Kg	U		1	WS-WC-0050

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 069SS-0002M-0001-SO Lab Sample ID: 240-17525-2
Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1
SDG ID.:
Matrix: Solid Date Sampled: 11/11/2012 09:15
Reporting Basis: WET Date Received: 11/12/2012 17:57

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Nitrocellulose	17	47	17	7.3	mg/Kg	U		1	WS-WC-00 50

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 077SS-0001M-0001-SO Lab Sample ID: 240-17525-5
Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1
SDG ID.:
Matrix: Solid Date Sampled: 11/11/2012 10:45
Reporting Basis: WET Date Received: 11/12/2012 17:57

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Nitrocellulose	17	45	17	7.1	mg/Kg	U		1	WS-WC-0050

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 077SS-0002M-0001-SO Lab Sample ID: 240-17525-6
Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1
SDG ID.:
Matrix: Solid Date Sampled: 11/11/2012 10:45
Reporting Basis: WET Date Received: 11/12/2012 17:57

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Nitrocellulose	18	49	18	7.6	mg/Kg	U		1	WS-WC-00 50

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1
SDG No.: _____
Analyst: JB Batch Start Date: 12/04/2012
Reporting Units: mg/L Analytical Batch No.: 6863

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
8	ICV	13:58	Nitrocellulose	8.38	4.49	187	90-110		WC-353.2-ICV_00010
9	ICB	14:00	Nitrocellulose	1.0				U	
21	CCV	14:24	Nitrocellulose	8.42	8.48	99	90-110		WC-353.2-L4_00008
22	CCB	14:26	Nitrocellulose	1.0				U	
35	CCV	14:52	Nitrocellulose	8.29	8.48	98	90-110		WC-353.2-L4_00008
36	CCB	14:54	Nitrocellulose	1.0				U	
49	CCV	15:20	Nitrocellulose	8.39	8.48	99	90-110		WC-353.2-L4_00008
50	CCB	15:22	Nitrocellulose	1.0				U	
54	CCV	15:30	Nitrocellulose	8.36	8.48	99	90-110		WC-353.2-L4_00008
55	CCB	15:32	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 West Sacramento Job No.: 240-17525-1

SDG No.: _____

Method	Lab Sample ID	Analyte	Result	Qual	Units	LOQ	Dil
Batch ID: 6863	Date: 12/04/2012 14:12	Prep Batch: 6824	Date: 12/04/2012 07:05				
WS-WC-0050	MB 320-6800/1-B	Nitrocellulose	1.8	U	mg/Kg	5.0	1

5-IN
MATRIX SPIKE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1

SDG No.: _____

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 6863 Date: 12/04/2012 15:06 Prep Batch: 6824 Date: 12/04/2012 07:05											
WS-WC-0 050	240-17525-1	Nitrocellulose	17	U	mg/Kg						
WS-WC-0 050	240-17525-1	Nitrocellulose	189		mg/Kg	459	41	34-115			
Batch ID: 6863 Date: 12/04/2012 15:14 Prep Batch: 6824 Date: 12/04/2012 07:05											
WS-WC-0 050	240-17525-5	Nitrocellulose	17	U	mg/Kg						
WS-WC-0 050	240-17525-5	Nitrocellulose	229		mg/Kg	490	47	34-115			

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

5-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1

SDG No.: _____

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 6863	Date: 12/04/2012 15:08	Prep Batch: 6824	Date: 12/04/2012 07:05								
WS-WC-0 240-17525-1	Nitrocellulose	234	mg/Kg	510	46	34-115	21	71			
050 MSD											
Batch ID: 6863	Date: 12/04/2012 15:16	Prep Batch: 6824	Date: 12/04/2012 07:05								
WS-WC-0 240-17525-5	Nitrocellulose	230	mg/Kg	505	46	34-115	0	71			
050 MSD											

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

7A-IN
LAB CONTROL SAMPLE
GENERAL CHEMISTRY

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1

SDG No.: _____

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 6863 Date: 12/04/2012 14:14 Prep Batch: 6824 Date: 12/04/2012 07:05											
LCS Source: HPNCSP_00007											
WS-WC-0 050	LCS 320-6800/2-B	Nitrocellulose	25.1		mg/Kg	51.0	49	34-115			

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

FORM VIIA-IN

7A-IN
METHOD REPORTING LIMIT CHECK
GENERAL CHEMISTRY

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1

SDG No.: _____

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 6863 Date: 12/04/2012 14:22											
						LCS Source: WC-353.2-L1_00011					
WS-WC-0	MRL	Nitrocellulose	1.0	U	mg/L	0.424	109	70-130			
050	320-6863/20										
Batch ID: 6863 Date: 12/04/2012 14:50											
						LCS Source: WC-353.2-L1_00011					
WS-WC-0	MRL	Nitrocellulose	1.0	U	mg/L	0.424	107	70-130			
050	320-6863/34										
Batch ID: 6863 Date: 12/04/2012 15:18											
						LCS Source: WC-353.2-L1_00011					
WS-WC-0	MRL	Nitrocellulose	1.0	U	mg/L	0.424	113	70-130			
050	320-6863/48										
Batch ID: 6863 Date: 12/04/2012 15:28											
						LCS Source: WC-353.2-L1_00011					
WS-WC-0	MRL	Nitrocellulose	0.496	J	mg/L	0.424	117	70-130			
050	320-6863/53										

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

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-17525-1
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: 240-17525-1
SDG Number: _____
Matrix: Solid Instrument ID: NOEQUIP
Method: Moisture XRL Date: 01/28/2010 09:24

Analyte	Wavelength/ Mass	XRL (mg/L)	
Percent Moisture		10	
Percent Solids		10	

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica West Sacramento Job Number: 240-17525-1
SDG Number: _____
Matrix: Solid Instrument ID: FS4
Method: WS-WC-0050 DL Date: 03/15/2011 14:37
Prep Method: 353 (NCell-Hyd)

Analyte	Wavelength/ Mass	LOQ (mg/Kg)	DL (mg/Kg)
Nitrocellulose		5	0.78

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica West Sacramento Job Number: 240-17525-1
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

11-IN
LINEAR RANGES
GENERAL CHEMISTRY

Lab Name: TestAmerica West Sacramento

Job No: 240-17525-1

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 West Sacramento

Job No.: 240-17525-1

SDG No.: _____

Prep Method: 353 (NCell-Hyd)

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 320-6800/1-B	12/04/2012 07:05	6824		45	40
LCS 320-6800/2-B	12/04/2012 07:05	6824		45	40
240-17525-1	12/04/2012 07:05	6824		45	40
240-17525-1 MS	12/04/2012 07:05	6824		45	40
240-17525-1 MSD	12/04/2012 07:05	6824		45	40
240-17525-2	12/04/2012 07:05	6824		45	40
240-17525-5	12/04/2012 07:05	6824		45	40
240-17525-5 MS	12/04/2012 07:05	6824		45	40
240-17525-5 MSD	12/04/2012 07:05	6824		45	40
240-17525-6	12/04/2012 07:05	6824		45	40

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Job No.: 240-17525-1

Method: Moisture

End Date: 11/15/2012 09:09

[illegible]

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-17525-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 11/15/2012 08:05 End Date: 11/15/2012 09:09

Lab Sample ID	D / F	T y p e	Time	Analytes																				
				% S o l	M o i s t																			
ZZZZZZ			08:05																					
ZZZZZZ			08:05																					
ZZZZZZ			08:05																					
ZZZZZZ			08:05																					
ZZZZZZ			08:05																					
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13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-17525-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 11/15/2012 08:05 End Date: 11/15/2012 09:09

[illegible]

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-17525-1

SDG No.: _____

Instrument ID: NOEQUIP Method: Moisture

Start Date: 11/15/2012 08:05 End Date: 11/15/2012 09:09

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				% S o l	M o i s t																
ZZZZZZ			08:46																		
ZZZZZZ			08:46																		
ZZZZZZ			08:46																		
ZZZZZZ			08:46																		
ZZZZZZ			08:46																		
ZZZZZZ			08:46																		
ZZZZZZ			08:46																		
ZZZZZZ			08:46																		
ZZZZZZ			08:46																		
ZZZZZZ			08:56																		
ZZZZZZ			08:56																		
ZZZZZZ			08:56																		
ZZZZZZ			08:56																		
ZZZZZZ			09:01																		
ZZZZZZ			09:01																		
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ZZZZZZ			09:06																		
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ZZZZZZ			09:06																		
ZZZZZZ			09:06																		
ZZZZZZ			09:06																		
ZZZZZZ			09:09																		

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1

SDG No.: _____

Instrument ID: FS4 Method: WS-WC-0050

Start Date: 12/04/2012 13:44 End Date: 12/04/2012 15:34

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				N C L																	
ZZZZZZ			13:44																		
STD0 320-6863/2 IC			13:46	X																	
STD1 320-6863/3 IC			13:48	X																	
STD2 320-6863/4 IC			13:50	X																	
STD3 320-6863/5 IC			13:52	X																	
STD4 320-6863/6 IC			13:54	X																	
STD5 320-6863/7 IC			13:56	X																	
ICV 320-6863/8	1		13:58	X																	
ICB 320-6863/9	1		14:00	X																	
MRL 320-6863/10	1	T	14:02	X																	
ZZZZZZ			14:04																		
ZZZZZZ			14:06																		
ZZZZZZ			14:08																		
ZZZZZZ			14:10																		
MB 320-6800/1-B	1	T	14:12	X																	
LCS 320-6800/2-B	1	T	14:14	X																	
ZZZZZZ			14:16																		
ZZZZZZ			14:18																		
ZZZZZZ			14:20																		
MRL 320-6863/20	1	T	14:22	X																	
CCV 320-6863/21	1		14:24	X																	
CCB 320-6863/22	1		14:26	X																	
ZZZZZZ			14:28																		
ZZZZZZ			14:30																		
ZZZZZZ			14:32																		
ZZZZZZ			14:34																		
ZZZZZZ			14:36																		
ZZZZZZ			14:38																		
ZZZZZZ			14:40																		
ZZZZZZ			14:42																		
ZZZZZZ			14:44																		
ZZZZZZ			14:46																		
ZZZZZZ			14:48																		
MRL 320-6863/34	1	T	14:50	X																	
CCV 320-6863/35	1		14:52	X																	
CCB 320-6863/36	1		14:54	X																	
ZZZZZZ			14:56																		
ZZZZZZ			14:58																		
ZZZZZZ			15:00																		
ZZZZZZ			15:02																		
240-17525-1	1	T	15:04	X																	
240-17525-1 MS	1	T	15:06	X																	

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1

SDG No.: _____

Instrument ID: FS4 Method: WS-WC-0050

Start Date: 12/04/2012 13:44 End Date: 12/04/2012 15:34

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				N C L																	
240-17525-1 MSD	1	T	15:08	X																	
240-17525-2	1	T	15:10	X																	
240-17525-5	1	T	15:12	X																	
240-17525-5 MS	1	T	15:14	X																	
240-17525-5 MSD	1	T	15:16	X																	
MRL 320-6863/48	1	T	15:18	X																	
CCV 320-6863/49	1		15:20	X																	
CCB 320-6863/50	1		15:22	X																	
ZZZZZZ			15:24																		
240-17525-6	1	T	15:26	X																	
MRL 320-6863/53	1	T	15:28	X																	
CCV 320-6863/54	1		15:30	X																	
CCB 320-6863/55	1		15:32	X																	
ZZZZZZ			15:34																		

Prep Types

T = Total/NA

File name: Z:\GENCHEM\ALPKEM~2\2012\NITROC~1\112812B.RST

Date: 28-Nov-12

Operator: jb

Peak	Cup	Name	R	Type	Dil	Wt	Height	Calc. (ppm)	Flags
1	105	Sync	1	SYNC		1	113825	0.991692	
B	0	Baseline	1	RB		1	0	-0.006235	BL
3	0	Cal 0	1	C		1	-254	-0.008458	LO
4	102	Cal 1	1	C		1	5696	0.043700	
5	103	Cal 2	1	C		1	24079	0.204870	
6	104	Cal 3	1	C		1	48095	0.415427	
7	105	Cal 4	1	C		1	114288	0.995751	
8	106	Cal 5	1	C		1	228687	1.998709	
9	107	ICV	1	U		1	116576	1.015808	
10	0	BLANK/ICB	1	BLNK		1	594	-0.001027	LO
11	102	MRL	1	U		1	5536	0.042300	
12	108	NO2 1PPM	1	U		1	105986	0.922964	
13	109	NO3 1PPM	1	U		1	125516	1.094192	
14	0	Blank	1	BLNK		1	76	-0.005565	LO
B	0	Baseline	1	RB		1	0	-0.006235	BL
16	113	MB 320-6387/1-B	1	U		1	2571	0.016309	
17	114	LCS 320-6387/2-B	1	U		1	88697	0.771391	
18	115	240-17422-P-2-M	1	U		1	3628	0.025569	
19	116	240-17422-P-2-N	MS 1	U		1	54543	0.471957	
20	117	240-17422-P-2-O	MSD 1	U		1	57035	0.493805	
21	102	MRL	1	U		1	5809	0.044693	
22	105	CCV	1	U		1	113246	0.986614	
23	0	Blank	1	BLNK		1	139	-0.005015	LO
B	0	Baseline	1	RB		1	0	-0.006235	BL
25	118	240-17422-F-3-E	1	U		1	-340	-0.009220	LO
26	119	240-17422-F-5-E	1	U		1	614	-0.000855	LO
27	120	240-17422-O-6-D	1	U		1	-3944	-0.040811	LO
28	121	240-17422-O-6-E	MS 1	U		1	35388	0.304017	
29	122	240-17422-O-6-F	MSD 1	U		1	33285	0.285578	
30	123	240-17467-P-2-D	1	U		1	-12392	-0.114877	LO
31	128	240-17467-P-2-E	MS 1	U		1	49400	0.426868	
32	129	240-17467-P-2-F	MSD 1	U		1	43210	0.372600	
33	130	240-17467-F-4-B	1	U		1	30432	0.260570	
34	131	240-17477-A-6-AE	1	U		1	23329	0.198298	
35	102	MRL	1	U		1	20456	0.173110	
36	105	CCV	1	U		1	125048	1.090086	
37	0	BLANK	1	BLNK		1	4957	0.037224	
B	0	Baseline	1	RB		1	0	-0.006235	BL
39	132	240-17477-A-6-AF	MS 1	U		1	41468	0.357322	
40	133	240-17477-A-6-AG	MSD 1	U		1	33221	0.285024	
41	134	240-17477-F-7-D	1	U		1	3794	0.027030	
42	135	240-17525-A-1-AC	1	U		1	3220	0.021992	
43	136	240-17525-A-1-AD	MS 1	U		1	42241	0.364098	
44	137	240-17525-A-1-AE	MSD 1	U		1	51913	0.448899	
45	138	240-17525-F-2-D	1	U		1	3901	0.027966	
46	139	240-17525-A-5-AB	1	U		1	2678	0.017243	
47	140	240-17525-A-5-AC	MS 1	U		1	50222	0.434072	
48	141	240-17525-A-5-AD	MSD 1	U		1	51789	0.447809	
49	102	MRL	1	U		1	4370	0.032080	
50	105	CCV	1	U		1	115673	1.007894	
51	0	BLANK	1	BLNK		1	-534	-0.010917	LO
B	0	Baseline	1	RB		1	0	-0.006235	BL
53	142	240-17525-F-6-D	1	U		1	5247	0.039767	
54	102	MRL	1	U		1	5786	0.044495	
55	105	CCV	1	U		1	116473	1.014912	
56	0	BLANK	1	BLNK		1	278	-0.003794	LO
B	0	Baseline	1	RB		1	0	-0.006235	BL

Cup	Name	S	1:Time	1:Value	1:S
0	Baseline	C	16:33:48	-0.01	[C]
0	Cal 0	C	16:35:48	-0.01	[C]
102	Cal 1	C	16:37:49	0.04	[C]
103	Cal 2	C	16:39:49	0.20	[C]
104	Cal 3	C	16:41:49	0.42	[C]
105	Cal 4	C	16:43:49	1.00	[C]
106	Cal 5	C	16:45:49	2.00	[C]
107	ICV	-	16:47:49	1.02	[-]
0	BLANK/ICB	C	16:49:50	0.00	[C]
102	MRL	-	16:51:50	0.04	[-]
108	N02 1PPM	-	16:53:50	0.92	[-]
109	N03 1PPM	-	16:55:50	1.09	[-]
0	Blank	C	16:57:50	-0.01	[C]
0	Baseline	C	16:59:51	-0.01	[C]
113	MB 320-6387/1-B	-	17:01:51	0.02	[-]
114	LCS 320-6387/2-B	-	17:03:51	0.77	[-]
115	240-17422-P-2-M	-	17:05:51	0.03	[-]
116	240-17422-P-2-N MS	-	17:07:51	0.47	[-]
117	240-17422-P-2-O MSD	-	17:09:51	0.49	[-]
102	MRL	-	17:11:52	0.04	[-]
105	CCV	-	17:13:52	0.99	[-]
0	Blank	C	17:15:52	-0.01	[C]
0	Baseline	C	17:17:52	-0.01	[C]
118	240-17422-F-3-E	-	17:19:52	-0.01	[-]
119	240-17422-F-5-E	-	17:21:52	0.00	[-]
120	240-17422-O-6-D	-	17:23:53	-0.04	[-]
121	240-17422-O-6-E MS	-	17:25:53	0.30	[-]
122	240-17422-O-6-F MSD	-	17:27:53	0.29	[-]
123	240-17467-P-2-D	-	17:29:53	-0.11	[-]
128	240-17467-P-2-E MS	-	17:31:53	0.43	[-]
129	240-17467-P-2-F MSD	-	17:33:53	0.37	[-]
130	240-17467-F-4-B	-	17:35:54	0.26	[-]
131	240-17477-A-6-AE	-	17:37:54	0.20	[-]
102	MRL	-	17:39:54	0.17	[-]
105	CCV	-	17:41:54	1.09	[-]
0	BLANK	C	17:43:54	0.04	[C]
0	Baseline	C	17:45:55	-0.01	[C]
132	240-17477-A-6-AF MS	-	17:47:55	0.36	[-]
133	240-17477-A-6-AG MSD	-	17:49:55	0.29	[-]
134	240-17477-F-7-D	-	17:51:55	0.03	[-]
135	240-17525-A-1-AC	-	17:53:55	0.02	[-]
136	240-17525-A-1-AD MS	-	17:55:55	0.36	[-]
137	240-17525-A-1-AE MSD	-	17:57:56	0.45	[-]
138	240-17525-F-2-D	-	17:59:56	0.03	[-]
139	240-17525-A-5-AB	-	18:01:56	0.02	[-]
140	240-17525-A-5-AC MS	-	18:03:56	0.43	[-]
141	240-17525-A-5-AD MSD	-	18:05:56	0.45	[-]
102	MRL	-	18:07:56	0.03	[-]
105	CCV	-	18:09:57	1.01	[-]
0	BLANK	C	18:11:57	-0.01	[C]
0	Baseline	C	18:13:57	-0.01	[C]
142	240-17525-F-6-D	-	18:15:57	0.04	[-]
102	MRL	-	18:17:57	0.04	[-]
105	CCV	-	18:19:57	1.01	[-]
0	BLANK	C	18:21:58	0.00	[C]
0	Baseline	C	18:23:58	-0.01	[C]

File name: Z:\GENCHEM\ALPKEM~2\2012\NITROC~1\112812B.RST

Date: 28-Nov-12

Operator: jb

* Name	Conc	Height
* Cal 0	0.000000	-253.562958
* Cal 1	0.050000	5695.653809
* Cal 2	0.200000	24078.927734
* Cal 3	0.400000	48095.308594
* Cal 4	1.000000	114287.820312
* Cal 5	2.000000	228686.546875

Calib Coef:

y=bx+a

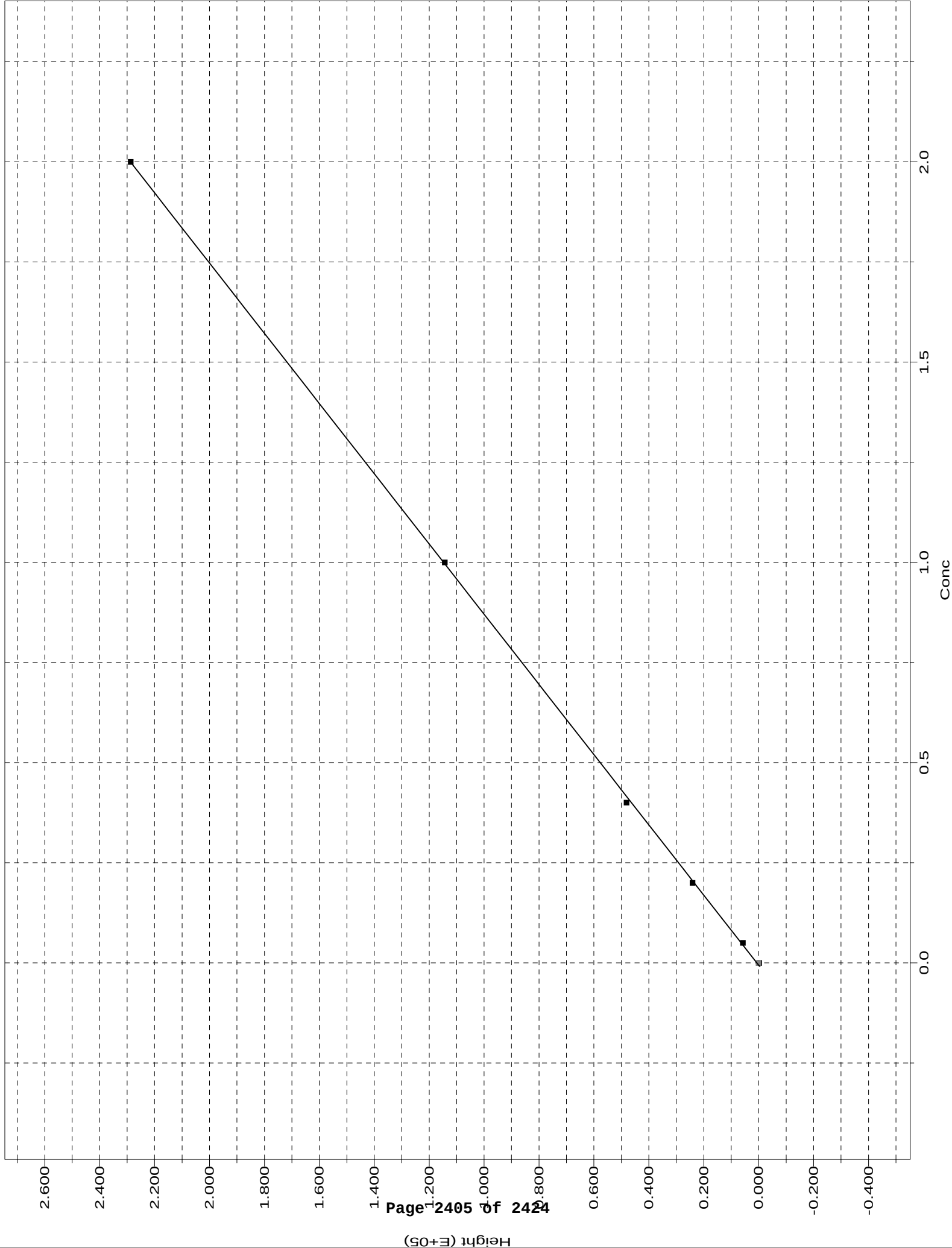
a: (intercept) 7.1117e+02

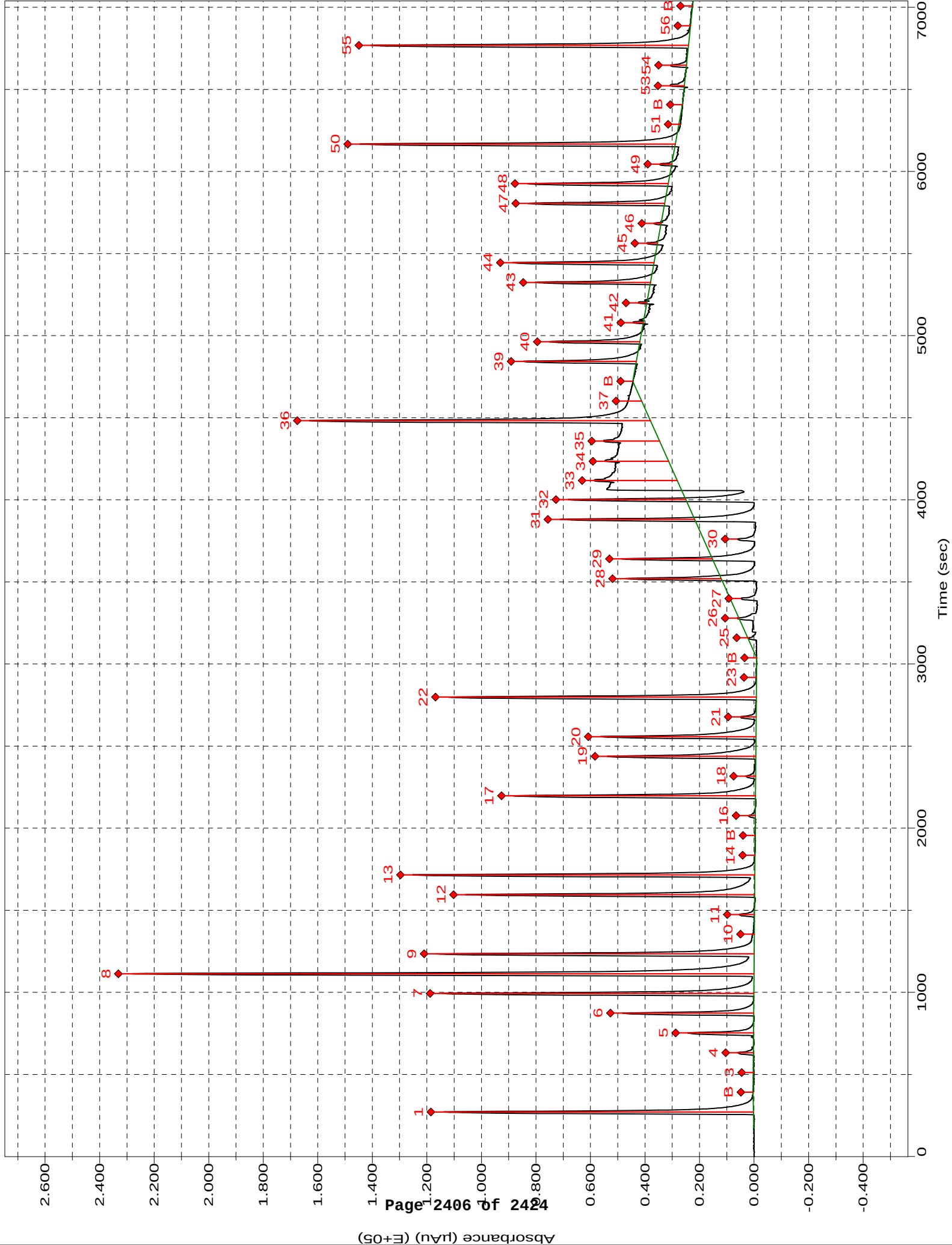
b: 1.1406e+05

Corr Coef: 0.999934

Carryover: n/a

No Drift Peaks





File name: Z:\GENCHEM\ALPKEM~2\2012\NITROC~1\120412A.RST

Date: 04-Dec-12

Operator: jb

Peak	Cup	Name	R	Type	Dil	Wt	Height	Calc. (ppm)	Flags
1	105	Sync	1	SYNC		1	123668	0.990130	
B	0	Baseline	1	RB		1	0	0.012342	BL
3	0	Cal 0	1	C		1	37	0.012634	
4	102	Cal 1	1	C		1	5697	0.057386	
5	103	Cal 2	1	C		1	24057	0.202548	
6	104	Cal 3	1	C		1	46192	0.377563	
7	105	Cal 4	1	C		1	123859	0.991640	
8	106	Cal 5	1	C		1	252434	2.008228	HI
9	107	ICV	1	U		1	124497	0.996681	FL
10	0	BLANK/ICB	1	BLNK		1	72	0.012911	
11	102	MRL	1	U		1	5462	0.055530	
12	108	N02 1PPM	1	U		1	132671	1.061315	
13	109	N03 1PPM	1	U		1	125651	1.005810	
14	0	Blank	1	BLNK		1	188	0.013830	
B	0	Baseline	1	RB		1	0	0.012342	BL
16	113	MB 320-6800/1-B	1	U		1	1168	0.021578	
17	114	LCS 320-6800/2-B	1	U		1	92930	0.747096	
18	115	240-17422-0-2-B	1	U		1	1277	0.022438	
19	116	240-17422-A-2-Y	MS 1	U		1	114366	0.916585	
20	117	240-17422-A-2-Z	MSD 1	U		1	119697	0.958732	
21	102	MRL	1	U		1	5430	0.055271	
22	105	CCV	1	U		1	125224	1.002429	
23	0	Blank	1	BLNK		1	102	0.013150	
B	0	Baseline	1	RB		1	0	0.012342	BL
25	118	240-17422-F-3-H	1	U		1	789	0.018577	
26	119	240-17422-F-5-H	1	U		1	738	0.018177	
27	120	240-17422-0-6-K	1	U		1	849	0.019055	
28	121	240-17422-A-6-AA	MS 1	U		1	95275	0.765642	
29	122	240-17422-A-6-AB	MSD 1	U		1	94608	0.760367	
30	123	240-17467-P-2-K	1	U		1	871	0.019228	
31	128	240-17467-A-2-J	MS 1	U		1	96799	0.777686	
32	129	240-17467-A-2-K	MSD 1	U		1	102071	0.819372	
33	130	240-17467-F-4-E	1	U		1	920	0.019614	
34	131	240-17477-P-6-B	1	U		1	1155	0.021476	
35	102	MRL	1	U		1	5294	0.054202	
36	105	CCV	1	U		1	123290	0.987141	
37	0	BLANK	1	BLNK		1	-125	0.011352	
B	0	Baseline	1	RB		1	0	0.012342	BL
39	132	240-17477-A-6-AM	MS 1	U		1	89599	0.720764	
40	133	240-17477-A-6-AN	MSD 1	U		1	87620	0.705113	
41	134	240-17477-F-7-G	1	U		1	997	0.020227	
42	135	240-17525-P-1-B	1	U		1	888	0.019366	
43	136	240-17525-A-1-A0	MS 1	U		1	77320	0.623675	
44	137	240-17525-A-1-AP	MSD 1	U		1	86309	0.694749	
45	138	240-17525-F-2-G	1	U		1	789	0.018582	
46	139	240-17525-0-5-C	1	U		1	700	0.017878	
47	140	240-17525-A-5-AJ	MS 1	U		1	88267	0.710226	
48	141	240-17525-A-5-AK	MSD 1	U		1	86016	0.692430	
49	102	MRL	1	U		1	5700	0.057411	
50	105	CCV	1	U		1	124778	0.998910	
51	0	BLANK	1	BLNK		1	13	0.012442	
B	0	Baseline	1	RB		1	0	0.012342	BL
53	142	240-17525-F-6-G	1	U		1	918	0.019597	
54	102	MRL	1	U		1	5920	0.059151	
55	105	CCV	1	U		1	124316	0.995253	
56	0	BLANK	1	BLNK		1	64	0.012844	
B	0	Baseline	1	RB		1	0	0.012342	BL

Cup	Name	S	1:Time	1:Value	1:S
0	Baseline	C	13:44:03	0.01	[C]
0	Cal 0	C	13:46:04	0.01	[C]
102	Cal 1	C	13:48:04	0.06	[C]
103	Cal 2	C	13:50:04	0.20	[C]
104	Cal 3	C	13:52:04	0.38	[C]
105	Cal 4	C	13:54:04	0.99	[C]
106	Cal 5	C	13:56:04	2.01	[C]
107	ICV	-	13:58:05	1.00	[-]
0	BLANK/ICB	C	14:00:05	0.01	[C]
102	MRL	-	14:02:05	0.06	[-]
108	N02 1PPM	-	14:04:05	1.06	[-]
109	N03 1PPM	-	14:06:05	1.01	[-]
0	Blank	C	14:08:05	0.01	[C]
0	Baseline	C	14:10:06	0.01	[C]
113	MB 320-6800/1-B	-	14:12:06	0.02	[-]
114	LCS 320-6800/2-B	-	14:14:06	0.75	[-]
115	240-17422-0-2-B	-	14:16:06	0.02	[-]
116	240-17422-A-2-Y MS	-	14:18:06	0.92	[-]
117	240-17422-A-2-Z MSD	-	14:20:07	0.96	[-]
102	MRL	-	14:22:07	0.06	[-]
105	CCV	-	14:24:07	1.00	[-]
0	Blank	C	14:26:07	0.01	[C]
0	Baseline	C	14:28:07	0.01	[C]
118	240-17422-F-3-H	-	14:30:07	0.02	[-]
119	240-17422-F-5-H	-	14:32:08	0.02	[-]
120	240-17422-0-6-K	-	14:34:08	0.02	[-]
121	240-17422-A-6-AA MS	-	14:36:08	0.77	[-]
122	240-17422-A-6-AB MSD	-	14:38:08	0.76	[-]
123	240-17467-P-2-K	-	14:40:08	0.02	[-]
128	240-17467-A-2-J MS	-	14:42:08	0.78	[-]
129	240-17467-A-2-K MSD	-	14:44:09	0.82	[-]
130	240-17467-F-4-E	-	14:46:09	0.02	[-]
131	240-17477-P-6-B	-	14:48:09	0.02	[-]
102	MRL	-	14:50:09	0.05	[-]
105	CCV	-	14:52:09	0.99	[-]
0	BLANK	C	14:54:10	0.01	[C]
0	Baseline	C	14:56:10	0.01	[C]
132	240-17477-A-6-AM MS	-	14:58:10	0.72	[-]
133	240-17477-A-6-AN MSD	-	15:00:10	0.71	[-]
134	240-17477-F-7-G	-	15:02:10	0.02	[-]
135	240-17525-P-1-B	-	15:04:10	0.02	[-]
136	240-17525-A-1-AO MS	-	15:06:11	0.62	[-]
137	240-17525-A-1-AP MSD	-	15:08:11	0.69	[-]
138	240-17525-F-2-G	-	15:10:11	0.02	[-]
139	240-17525-0-5-C	-	15:12:11	0.02	[-]
140	240-17525-A-5-AJ MS	-	15:14:11	0.71	[-]
141	240-17525-A-5-AK MSD	-	15:16:11	0.69	[-]
102	MRL	-	15:18:12	0.06	[-]
105	CCV	-	15:20:12	1.00	[-]
0	BLANK	C	15:22:12	0.01	[C]
0	Baseline	C	15:24:12	0.01	[C]
142	240-17525-F-6-G	-	15:26:12	0.02	[-]
102	MRL	-	15:28:12	0.06	[-]
105	CCV	-	15:30:13	1.00	[-]
0	BLANK	C	15:32:13	0.01	[C]
0	Baseline	C	15:34:13	0.01	[C]

File name: Z:\GENCHEM\ALPKEM~2\2012\NITROC~1\120412A.RST

Date: 04-Dec-12

Operator: jb

* Name	Conc	Height
* Cal 0	0.000000	37.029968
* Cal 1	0.050000	5697.100586
* Cal 2	0.200000	24056.808594
* Cal 3	0.400000	46192.238281
* Cal 4	1.000000	123858.960938
* Cal 5	2.000000	252434.140625

Calib Coef:

y=bx+a

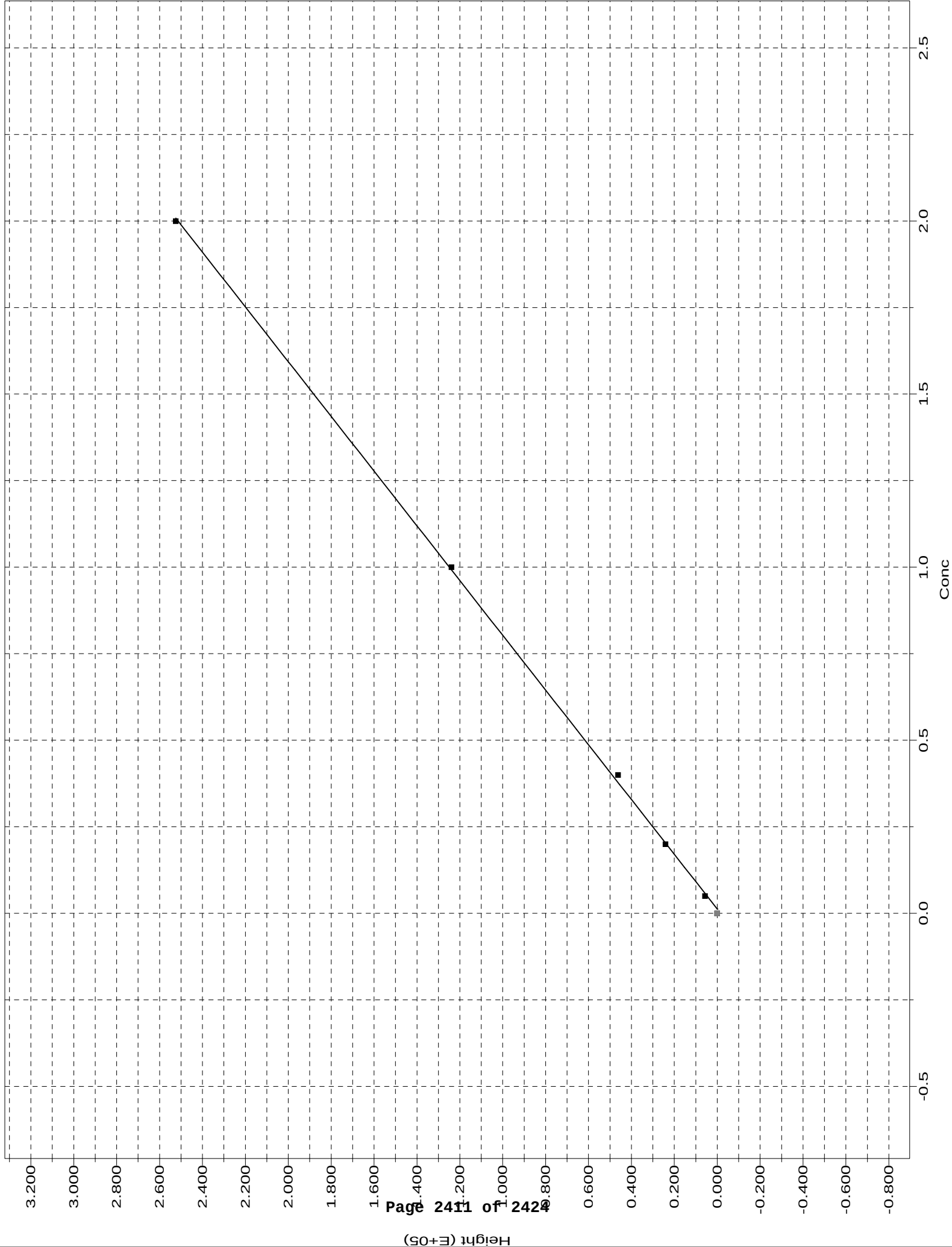
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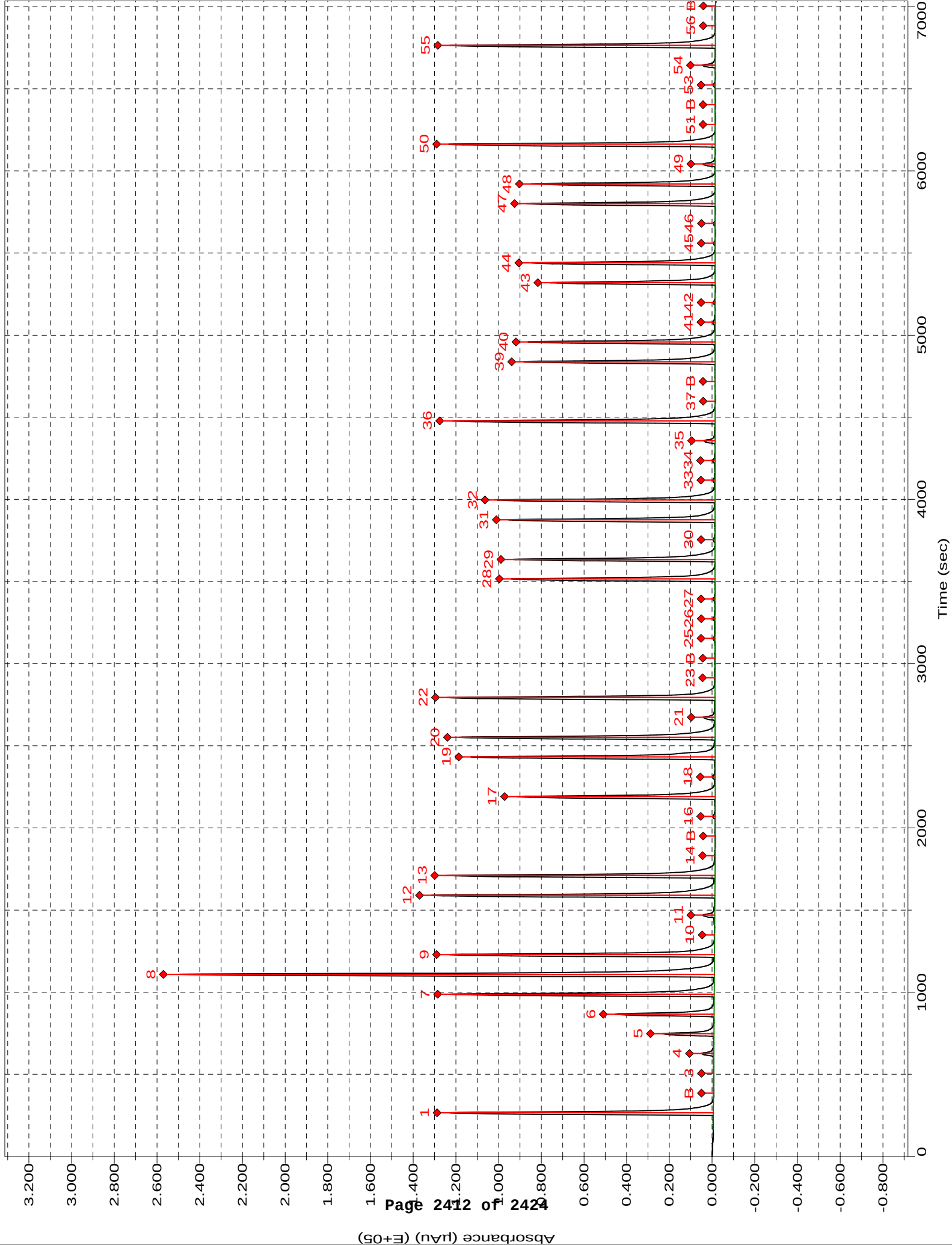
b: 1.2648e+05

Corr Coef: 0.999856

Carryover: n/a

No Drift Peaks





Level I and Level II Review Checklist General Chemistry

Instrument ID F54		WS-WC-0050 NCell	
Batch 6836	File # 120412A	Date 12/4/12	Analyst [Signature]
Lot Numbers 240-17422, 240-17467, 240-17477,		☒ YES	☐ NO ☐ NA
LEVEL 1 Review: 240-17525			
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: See NCM for reanalysis @ 1.05 g/l 12/6/12

REVIEWED BY: LW	DATE ENTERED BY: [Signature]
DATE: 12/6/12	DATE: 12/5/12

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-17525-1

SDG No.: _____

Batch Number: 65100 Batch Start Date: 11/15/12 08:05 Batch Analyst: Grossman, LucasBatch Method: Moisture Batch End Date: 11/16/12 11:05

Lab Sample ID	Client Sample ID	Method Chain	Basis	DishWeight	SampleMassWet	SampleMassDry			
240-17525-J-1 DU	069SS-0001M-0001 -SO	Moisture	T	4.3840 g	10.1729 g	9.2161 g			
240-17525-K-1	069SS-0001M-0001 -SO	Moisture	T	4.3840 g	10.0298 g	9.0016 g			
240-17525-D-2	069SS-0002M-0001 -SO	Moisture	T	4.3840 g	9.1295 g	8.3603 g			
240-17525-D-3	069SS-003M-0001- SO	Moisture	T	4.3840 g	9.1732 g	8.0862 g			
240-17525-D-4	069SS-004M-0001- SO	Moisture	T	4.3840 g	10.2260 g	9.0825 g			
240-17525-D-6	077SS-0002M-0001 -SO	Moisture	T	4.3840 g	10.9530 g	10.0805 g			
240-17525-J-5 DU	077SS-0001M-0001 -SO	Moisture	T	4.3840 g	10.3794 g	9.6145 g			
240-17525-J-5	077SS-0001M-0001 -SO	Moisture	T	4.3840 g	9.6830 g	8.9229 g			

Batch Notes	
Balance ID	Bo47 No Unit
Date samples were placed in the oven	11/15/12
Oven Temp when samples are put in oven	103.3 Degrees C
Time samples were place in the oven	9:30
Date samples were removed from oven	11/16/12
Oven Temp when samples removed from oven	103.9 Degrees C
Time Samples were removed from oven	5:30
Oven ID	002
ID number of the thermometer	Tempguard Box C #6

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1

SDG No.: _____

Batch Number: 6800 Batch Start Date: 12/03/12 12:49 Batch Analyst: Phan, TuanBatch Method: 353.2 (NCell) Batch End Date: 12/03/12 13:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	HPNCSP 00007			
MB 320-6800/1		353.2 (NCell), 353 (NCell-Hyd), WS-WC-0050		10.00 g	45 mL				
LCS 320-6800/2		353.2 (NCell), 353 (NCell-Hyd), WS-WC-0050		10.00 g	45 mL	1 mL			
240-17525-P-1	069SS-0001M-0001 -SO	353.2 (NCell), 353 (NCell-Hyd), WS-WC-0050	T	1.06 g	45 mL				
240-17525-A-1 MS	069SS-0001M-0001 -SO	353.2 (NCell), 353 (NCell-Hyd), WS-WC-0050	T	1.11 g	45 mL	1 mL			
240-17525-A-1 MSD	069SS-0001M-0001 -SO	353.2 (NCell), 353 (NCell-Hyd), WS-WC-0050	T	1.00 g	45 mL	1 mL			
240-17525-F-2	069SS-0002M-0001 -SO	353.2 (NCell), 353 (NCell-Hyd), WS-WC-0050	T	1.07 g	45 mL				
240-17525-O-5	077SS-0001M-0001 -SO	353.2 (NCell), 353 (NCell-Hyd), WS-WC-0050	T	1.10 g	45 mL				
240-17525-A-5 MS	077SS-0001M-0001 -SO	353.2 (NCell), 353 (NCell-Hyd), WS-WC-0050	T	1.04 g	45 mL	1 mL			
240-17525-A-5 MSD	077SS-0001M-0001 -SO	353.2 (NCell), 353 (NCell-Hyd), WS-WC-0050	T	1.01 g	45 mL	1 mL			
240-17525-F-6	077SS-0002M-0001 -SO	353.2 (NCell), 353 (NCell-Hyd), WS-WC-0050	T	1.02 g	45 mL				

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1

SDG No.: _____

Batch Number: 6800 Batch Start Date: 12/03/12 12:49 Batch Analyst: Phan, TuanBatch Method: 353.2 (NCell) Batch End Date: 12/03/12 13:00

Batch Notes	
1:1 MeOH/H2O	HPHeOH/H2O_00002
Acetone Lot #	ACETONE_00004
Centrifuge Tube	2195825

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1

SDG No.: _____

Batch Number: 6824 Batch Start Date: 12/04/12 05:30 Batch Analyst: Phan, TuanBatch Method: 353 (NCell-Hyd) Batch End Date: 12/04/12 08:35

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount				
MB 320-6800/1-A		353 (NCell-Hyd), WS-WC-0050		45 mL	40 mL				
LCS 320-6800/2-A		353 (NCell-Hyd), WS-WC-0050		45 mL	40 mL				
240-17525-P-1-A	069SS-0001M-0001 -SO	353 (NCell-Hyd), WS-WC-0050	T	45 mL	40 mL				
240-17525-A-1-A L MS	069SS-0001M-0001 -SO	353 (NCell-Hyd), WS-WC-0050	T	45 mL	40 mL				
240-17525-A-1-A M MSD	069SS-0001M-0001 -SO	353 (NCell-Hyd), WS-WC-0050	T	45 mL	40 mL				
240-17525-F-2-F	069SS-0002M-0001 -SO	353 (NCell-Hyd), WS-WC-0050	T	45 mL	40 mL				
240-17525-O-5-B	077SS-0001M-0001 -SO	353 (NCell-Hyd), WS-WC-0050	T	45 mL	40 mL				
240-17525-A-5-A H MS	077SS-0001M-0001 -SO	353 (NCell-Hyd), WS-WC-0050	T	45 mL	40 mL				
240-17525-A-5-A I MSD	077SS-0001M-0001 -SO	353 (NCell-Hyd), WS-WC-0050	T	45 mL	40 mL				
240-17525-F-6-F	077SS-0002M-0001 -SO	353 (NCell-Hyd), WS-WC-0050	T	45 mL	40 mL				

Batch Notes	
0.45 Filter Vendor/Lot	MILLIPORE R2DA02309
Centrifuge Tube	2195825
Sulfuric Acid Lot Number	SULFURIC ACID_00001
Millipore Water Dispense Date	11/26/12
NaOH Lot #	SODIUM HYDROX_00001

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica West Sacramento Job No.: 240-17525-1

SDG No.: _____

Batch Number: 6863 Batch Start Date: 12/04/12 13:44 Batch Analyst: Baynes, JasonBatch Method: WS-WC-0050 Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	WC-353.2-ICV 00010	WC-353.2-L1 00011	WC-353.2-L4 00008			
ICV 320-6863/8		WS-WC-0050		# mL					
MRL 320-6863/20		WS-WC-0050			# mL				
CCV 320-6863/21		WS-WC-0050				# mL			
MRL 320-6863/34		WS-WC-0050			# mL				
CCV 320-6863/35		WS-WC-0050				# mL			
MRL 320-6863/48		WS-WC-0050			# mL				
CCV 320-6863/49		WS-WC-0050				# mL			
MRL 320-6863/53		WS-WC-0050			# mL				
CCV 320-6863/54		WS-WC-0050				# mL			

Batch Notes	
Nitrocellulose Assay	0.119
Color Reagent 1 ID	4525-WC-14-2 e. 2/2/13
NO2/NO3 Indicator ID #	4525-WC-16-1 e. 12/3/13

Basis	Basis Description

Subcontract Data

Shipping and Receiving Documents

TestAmerica Canton Sample Receipt Form/Narrative

Login # : 17525

Client ECC Site Name Ravenna By: [Signature]
Cooler Received on 11/12/12 Opened on _____ (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)

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)? _____

C:\Users\livengood\AppData\Local\Microsoft\Windows\Temporary Internet Files\OLKD16\COOLER TestAmerica Rev 88 110712 ris.doc SOP: NC-SC-0003, Sample Receiving

Login Sample Receipt Checklist

Client: Environmental Chemical Corp.

Job Number: 240-17525-1

Login Number: 17525
List Number: 1
Creator: Sadler, Jeremy

List Source: TestAmerica West Sacramento
List Creation: 11/21/12 10:00 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	2.3
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	