

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22852-1
 SDG No.: _____
 Lab Sample ID: ICV 240-78295/19 Calibration Date: 03/14/2013 16:20
 Instrument ID: A2HP3 Calib Start Date: 03/14/2013 14:20
 GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 03/14/2013 16:00
 Lab File ID: P3031419.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	1623707372	1657587240		0.0255	0.0250	2.1	20.0
gamma-BHC (Lindane)	Ave	1455203462	1481817360		0.0255	0.0250	1.8	20.0
beta-BHC	Ave	618486639	622075960		0.0251	0.0250	0.6	20.0
delta-BHC	Ave	1480196914	1511043880		0.0255	0.0250	2.1	20.0
Heptachlor	Ave	1288059053	1306268120		0.0254	0.0250	1.4	20.0
Aldrin	Ave	1359987606	1402096240		0.0258	0.0250	3.1	20.0
Heptachlor epoxide	Ave	1229987574	1235797240		0.0251	0.0250	0.5	20.0
gamma-Chlordane	Ave	1263492565	1263679720		0.0250	0.0250	0.0	20.0
alpha-Chlordane	Ave	1289702829	1260713000		0.0244	0.0250	-2.2	20.0
Endosulfan I	Ave	1152636801	1161963920		0.0252	0.0250	0.8	20.0
4,4'-DDE	Ave	1266505227	1264201160		0.0250	0.0250	-0.2	20.0
Dieldrin	Ave	1268423751	1270559640		0.0250	0.0250	0.2	20.0
Endrin	Ave	1189138903	1165252080		0.0245	0.0250	-2.0	20.0
4,4'-DDD	Ave	970323691	966925320		0.0249	0.0250	-0.4	20.0
Endosulfan II	Ave	1094573989	1088347480		0.0249	0.0250	-0.6	20.0
4,4'-DDT	Ave	922210777	935210280		0.0254	0.0250	1.4	20.0
Endrin aldehyde	Ave	880698493	871829840		0.0247	0.0250	-1.0	20.0
Methoxychlor	Ave	461419504	466384360		0.0253	0.0250	1.1	20.0
Endosulfan sulfate	Ave	981061458	986783840		0.0251	0.0250	0.6	20.0
Endrin ketone	Ave	1144648217	1116671120		0.0244	0.0250	-2.4	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22852-1
 SDG No.: _____
 Lab Sample ID: ICV 240-78295/19 Calibration Date: 03/14/2013 16:20
 Instrument ID: A2HP3 Calib Start Date: 03/14/2013 14:20
 GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 03/14/2013 16:00
 Lab File ID: P3031419.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.26	4.23	4.29
gamma-BHC (Lindane)	4.64	4.61	4.67
beta-BHC	4.78	4.75	4.81
delta-BHC	5.00	4.97	5.03
Heptachlor	5.29	5.26	5.32
Aldrin	5.76	5.73	5.79
Heptachlor epoxide	7.04	7.01	7.07
gamma-Chlordane	7.35	7.33	7.39
alpha-Chlordane	7.70	7.67	7.73
Endosulfan I	7.97	7.94	8.00
4,4'-DDE	8.06	8.03	8.09
Dieldrin	8.52	8.49	8.55
Endrin	8.97	8.94	9.00
4,4'-DDD	9.32	9.29	9.35
Endosulfan II	9.41	9.38	9.44
4,4'-DDT	9.84	9.81	9.87
Endrin aldehyde	10.20	10.17	10.23
Methoxychlor	10.78	10.75	10.81
Endosulfan sulfate	10.92	10.90	10.96
Endrin ketone	11.32	11.29	11.35

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP3\20130314-17984.b\P3031419.D
 Lims ID: ICV Client ID:
 Inject. Date: 14-Mar-2013 16:20:26 Dil. Factor: 1.0000
 Sample Type: ICV
 Sample ID: 240-0017984-019
 Misc. Info.:
 Operator: 402582 Instrument ID: A2HP3
 Injection Vol: 1.0 ul ALS Bottle#: 19
 Lims Batch ID: 78295 Lims Sample ID: 19
 Sublist:
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCCChrom\ChromData\A2HP3\20130314-17984.b\PEST3.m
 Last Update: 15-Mar-2013 07:54:39 Calib Date: 14-Mar-2013 20:00:25
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP3\20130314-17984.b\P3031430.D
 Limit Group: GC 8081 D0D ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK032

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 alpha-BHC									
1	100	4.255	4.255	0.000	41439681	0.0255			
2	100	5.068	5.068	0.000	19171424	0.0249			
						RPD = 2.46			
20 gamma-BHC (Lindane)									
1	100	4.643	4.643	0.000	37045434	0.0255			
2	100	5.688	5.688	0.000	16712092	0.0247			
						RPD = 3.09			
7 beta-BHC									
1	100	4.777	4.777	0.000	15551899	0.0251			
2	100	5.883	5.883	0.000	7375532	0.0249			
						RPD = 0.81			
11 delta-BHC									
1	100	4.998	4.999	-0.001	37776097	0.0255			
2	100	6.507	6.508	-0.001	17185298	0.0247			
						RPD = 3.25			
22 Heptachlor									
1	100	5.293	5.293	0.000	32656703	0.0254			
2	100	6.579	6.580	-0.001	14171302	0.0243			
						RPD = 4.21			
4 Aldrin									
1	100	5.761	5.761	0.000	35052406	0.0258			
2	100	7.381	7.382	-0.001	16713132	0.0251			
						RPD = 2.68			
23 Heptachlor epoxide									
1	100	7.038	7.039	-0.001	30894931	0.0251			
2	100	8.820	8.821	-0.001	14386509	0.0247			
						RPD = 1.48			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
21 gamma-Chlordane									
1	100	7.353	7.355	-0.002	31591993	0.0250			
2	100	9.210	9.210	0.000	14442979	0.0246			
						RPD = 1.54			
6 alpha-Chlordane									
1	100	7.697	7.695	0.002	31517825	0.0244			
2	100	9.512	9.511	0.001	14616654	0.0239			
						RPD = 2.02			
14 Endosulfan I									
1	100	7.967	7.965	0.002	29049098	0.0252			
2	100	9.578	9.578	0.000	13055420	0.0246			
						RPD = 2.54			
2 4,4'-DDE									
1	100	8.058	8.060	-0.002	31605029	0.0250			
2	100	9.940	9.940	0.000	14935409	0.0245			
						RPD = 1.88			
13 Dieldrin									
1	100	8.516	8.517	-0.001	31763991	0.0250			
2	100	10.092	10.092	0.000	14573820	0.0245			
						RPD = 2.11			
17 Endrin									
1	100	8.967	8.966	0.001	29131302	0.0245			
2	100	10.607	10.608	-0.001	12970695	0.0242			
						RPD = 1.19			
1 4,4'-DDD									
1	100	9.320	9.318	0.002	24173133	0.0249			
2	100	10.931	10.930	0.001	10526065	0.0246			
						RPD = 1.18			
15 Endosulfan II									
1	100	9.412	9.411	0.001	27208687	0.0249			
2	100	10.975	10.975	0.000	11765233	0.0242			
						RPD = 2.54			
3 4,4'-DDT									
1	100	9.835	9.835	0.000	23380257	0.0254			
2	100	11.412	11.410	0.002	9853382	0.0249			
						RPD = 1.76			
18 Endrin aldehyde									
1	100	10.202	10.201	0.001	21795746	0.0247			
2	100	11.532	11.532	0.000	9579162	0.0242			
						RPD = 2.05			
27 Methoxychlor									
1	100	10.782	10.780	0.002	11659609	0.0253			
2	100	12.487	12.487	0.000	4975273	0.0249			
						RPD = 1.32			
16 Endosulfan sulfate									
1	100	10.924	10.925	-0.001	24669596	0.0251			
2	100	11.949	11.948	0.001	10968685	0.0248			
						RPD = 1.37			

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

19 Endrin ketone

1 100 11.322 11.322 0.000 27916778 0.0244

2 100 12.699 12.699 0.000 11934924 0.0238

RPD = 2.46

Report Date: 15-Mar-2013 07:54:42

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

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP3\20130314-17984.b\P3031419.D

Injection Date: 14-Mar-2013 16:20:26

Limit Group: GC 8081 D0D ICAL

Client ID:

Instrument ID: A2HP3

Lims Batch ID: 78295

Lims Sample ID: 19

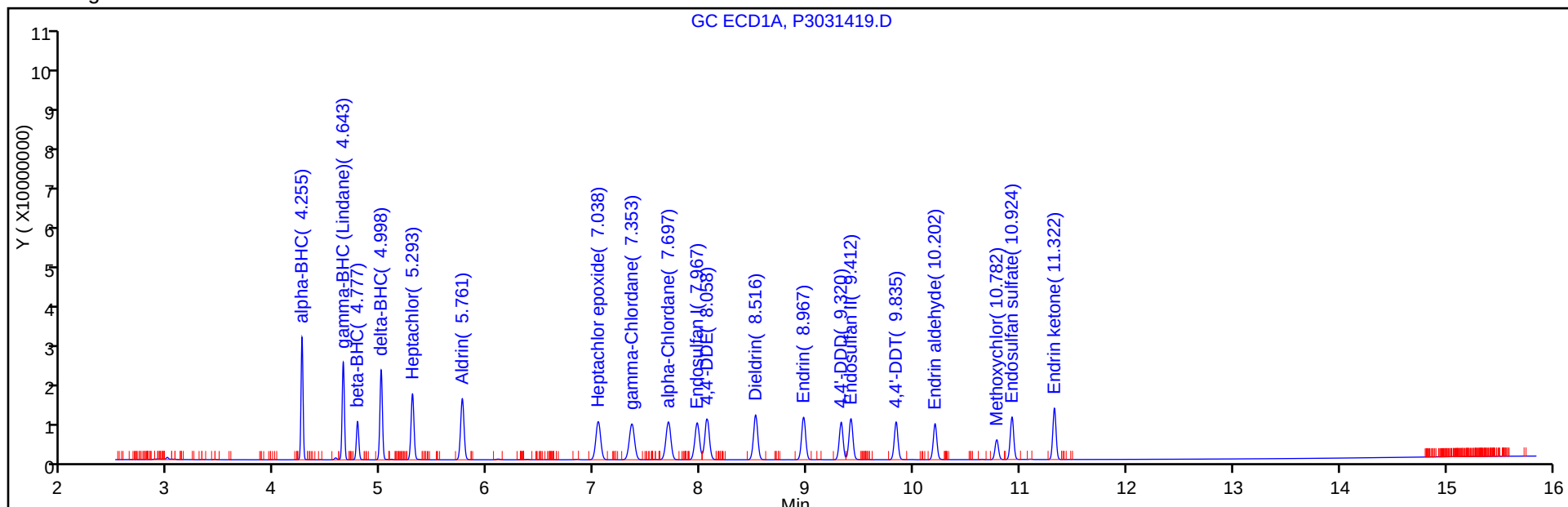
Operator ID: 402582

Injection Vol: 1.0 ul

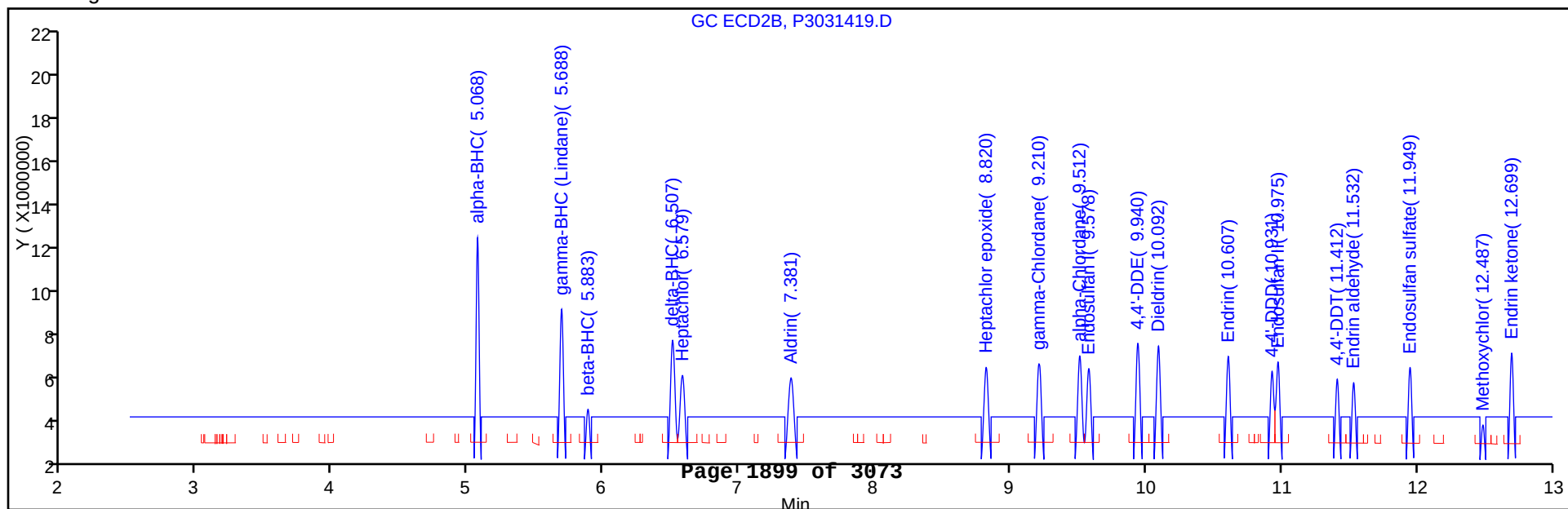
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22852-1
 SDG No.: _____
 Lab Sample ID: ICV 240-78295/19 Calibration Date: 03/14/2013 16:20
 Instrument ID: A2HP3 Calib Start Date: 03/14/2013 14:20
 GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 03/14/2013 16:00
 Lab File ID: P3031419.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	769922401	766856960		0.0249	0.0250	-0.4	20.0
gamma-BHC (Lindane)	Ave	677058072	668483680		0.0247	0.0250	-1.3	20.0
beta-BHC	Ave	295707343	295021280		0.0249	0.0250	-0.2	20.0
delta-BHC	Ave	695621800	687411920		0.0247	0.0250	-1.2	20.0
Heptachlor	Ave	582970513	566852080		0.0243	0.0250	-2.8	20.0
Aldrin	Ave	666083583	668525280		0.0251	0.0250	0.4	20.0
Heptachlor epoxide	Ave	581320598	575460360		0.0247	0.0250	-1.0	20.0
gamma-Chlordane	Ave	586604093	577719160		0.0246	0.0250	-1.5	20.0
alpha-Chlordane	Ave	610326008	584666160		0.0239	0.0250	-4.2	20.0
Endosulfan I	Ave	531325762	522216800		0.0246	0.0250	-1.7	20.0
4,4'-DDE	Ave	609850598	597416360		0.0245	0.0250	-2.0	20.0
Dieldrin	Ave	594383876	582952800		0.0245	0.0250	-1.9	20.0
Endrin	Ave	535793583	518827800		0.0242	0.0250	-3.2	20.0
4,4'-DDD	Ave	427546511	421042600		0.0246	0.0250	-1.5	20.0
Endosulfan II	Ave	485472127	470609320		0.0242	0.0250	-3.1	20.0
4,4'-DDT	Ave	395546624	394135280		0.0249	0.0250	-0.4	20.0
Endrin aldehyde	Ave	395073591	383166480		0.0242	0.0250	-3.0	20.0
Endosulfan sulfate	Ave	442236050	438747400		0.0248	0.0250	-0.8	20.0
Methoxychlor	Ave	199518519	199010920		0.0249	0.0250	-0.3	20.0
Endrin ketone	Ave	501538938	477396960		0.0238	0.0250	-4.8	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22852-1
 SDG No.: _____
 Lab Sample ID: ICV 240-78295/19 Calibration Date: 03/14/2013 16:20
 Instrument ID: A2HP3 Calib Start Date: 03/14/2013 14:20
 GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 03/14/2013 16:00
 Lab File ID: P3031419.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	5.07	5.04	5.10
gamma-BHC (Lindane)	5.69	5.66	5.72
beta-BHC	5.88	5.85	5.91
delta-BHC	6.51	6.48	6.54
Heptachlor	6.58	6.55	6.61
Aldrin	7.38	7.35	7.41
Heptachlor epoxide	8.82	8.79	8.85
gamma-Chlordane	9.21	9.18	9.24
alpha-Chlordane	9.51	9.48	9.54
Endosulfan I	9.58	9.55	9.61
4,4'-DDE	9.94	9.91	9.97
Dieldrin	10.09	10.06	10.12
Endrin	10.61	10.58	10.64
4,4'-DDD	10.93	10.90	10.96
Endosulfan II	10.98	10.95	11.01
4,4'-DDT	11.41	11.38	11.44
Endrin aldehyde	11.53	11.50	11.56
Endosulfan sulfate	11.95	11.92	11.98
Methoxychlor	12.49	12.46	12.52
Endrin ketone	12.70	12.67	12.73

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP3\20130314-17984.b\P3031419.D
 Lims ID: ICV Client ID:
 Inject. Date: 14-Mar-2013 16:20:26 Dil. Factor: 1.0000
 Sample Type: ICV
 Sample ID: 240-0017984-019
 Misc. Info.:
 Operator: 402582 Instrument ID: A2HP3
 Injection Vol: 1.0 ul ALS Bottle#: 19
 Lims Batch ID: 78295 Lims Sample ID: 19
 Sublist:
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCCChrom\ChromData\A2HP3\20130314-17984.b\PEST3.m
 Last Update: 15-Mar-2013 07:54:39 Calib Date: 14-Mar-2013 20:00:25
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP3\20130314-17984.b\P3031430.D
 Limit Group: GC 8081 D0D ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK032

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 alpha-BHC									
1	100	4.255	4.255	0.000	41439681	0.0255			
2	100	5.068	5.068	0.000	19171424	0.0249			
						RPD = 2.46			
20 gamma-BHC (Lindane)									
1	100	4.643	4.643	0.000	37045434	0.0255			
2	100	5.688	5.688	0.000	16712092	0.0247			
						RPD = 3.09			
7 beta-BHC									
1	100	4.777	4.777	0.000	15551899	0.0251			
2	100	5.883	5.883	0.000	7375532	0.0249			
						RPD = 0.81			
11 delta-BHC									
1	100	4.998	4.999	-0.001	37776097	0.0255			
2	100	6.507	6.508	-0.001	17185298	0.0247			
						RPD = 3.25			
22 Heptachlor									
1	100	5.293	5.293	0.000	32656703	0.0254			
2	100	6.579	6.580	-0.001	14171302	0.0243			
						RPD = 4.21			
4 Aldrin									
1	100	5.761	5.761	0.000	35052406	0.0258			
2	100	7.381	7.382	-0.001	16713132	0.0251			
						RPD = 2.68			
23 Heptachlor epoxide									
1	100	7.038	7.039	-0.001	30894931	0.0251			
2	100	8.820	8.821	-0.001	14386509	0.0247			
						RPD = 1.48			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
21 gamma-Chlordane									
1	100	7.353	7.355	-0.002	31591993	0.0250			
2	100	9.210	9.210	0.000	14442979	0.0246			
						RPD = 1.54			
6 alpha-Chlordane									
1	100	7.697	7.695	0.002	31517825	0.0244			
2	100	9.512	9.511	0.001	14616654	0.0239			
						RPD = 2.02			
14 Endosulfan I									
1	100	7.967	7.965	0.002	29049098	0.0252			
2	100	9.578	9.578	0.000	13055420	0.0246			
						RPD = 2.54			
2 4,4'-DDE									
1	100	8.058	8.060	-0.002	31605029	0.0250			
2	100	9.940	9.940	0.000	14935409	0.0245			
						RPD = 1.88			
13 Dieldrin									
1	100	8.516	8.517	-0.001	31763991	0.0250			
2	100	10.092	10.092	0.000	14573820	0.0245			
						RPD = 2.11			
17 Endrin									
1	100	8.967	8.966	0.001	29131302	0.0245			
2	100	10.607	10.608	-0.001	12970695	0.0242			
						RPD = 1.19			
1 4,4'-DDD									
1	100	9.320	9.318	0.002	24173133	0.0249			
2	100	10.931	10.930	0.001	10526065	0.0246			
						RPD = 1.18			
15 Endosulfan II									
1	100	9.412	9.411	0.001	27208687	0.0249			
2	100	10.975	10.975	0.000	11765233	0.0242			
						RPD = 2.54			
3 4,4'-DDT									
1	100	9.835	9.835	0.000	23380257	0.0254			
2	100	11.412	11.410	0.002	9853382	0.0249			
						RPD = 1.76			
18 Endrin aldehyde									
1	100	10.202	10.201	0.001	21795746	0.0247			
2	100	11.532	11.532	0.000	9579162	0.0242			
						RPD = 2.05			
27 Methoxychlor									
1	100	10.782	10.780	0.002	11659609	0.0253			
2	100	12.487	12.487	0.000	4975273	0.0249			
						RPD = 1.32			
16 Endosulfan sulfate									
1	100	10.924	10.925	-0.001	24669596	0.0251			
2	100	11.949	11.948	0.001	10968685	0.0248			
						RPD = 1.37			

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

19 Endrin ketone

1 100 11.322 11.322 0.000 27916778 0.0244

2 100 12.699 12.699 0.000 11934924 0.0238

RPD = 2.46

Report Date: 15-Mar-2013 07:54:42

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

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP3\20130314-17984.b\P3031419.D

Injection Date: 14-Mar-2013 16:20:26

Limit Group: GC 8081 D0D ICAL

Client ID:

Instrument ID: A2HP3

Lims Batch ID: 78295

Lims Sample ID: 19

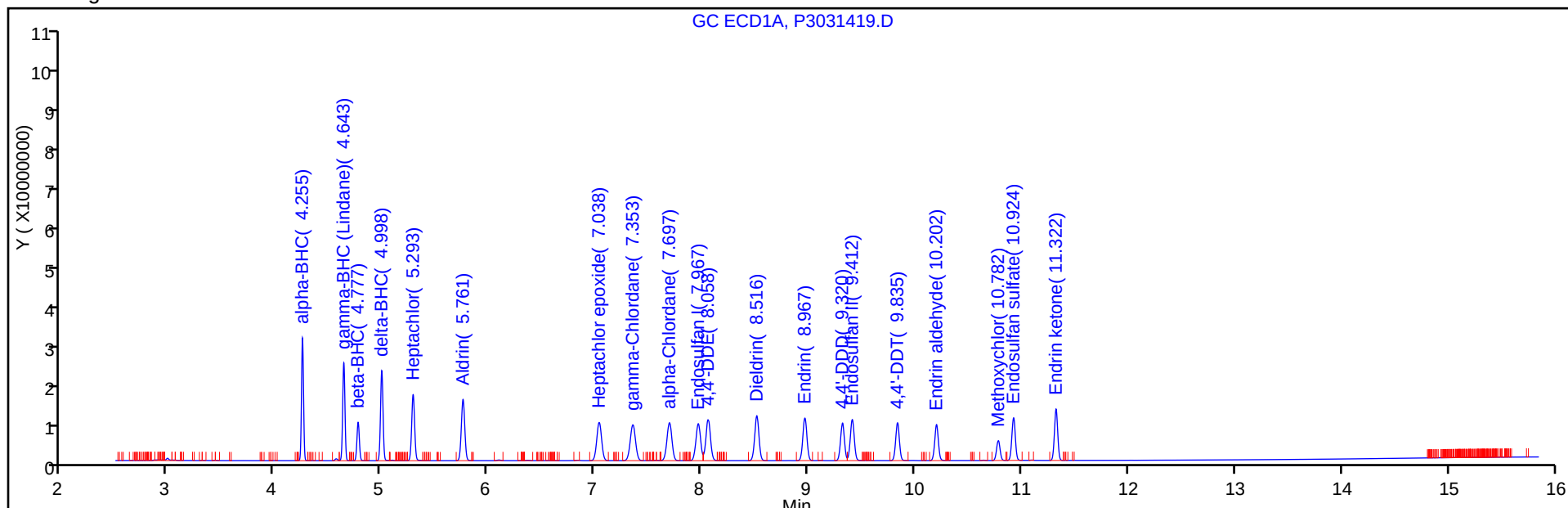
Operator ID: 402582

Injection Vol: 1.0 ul

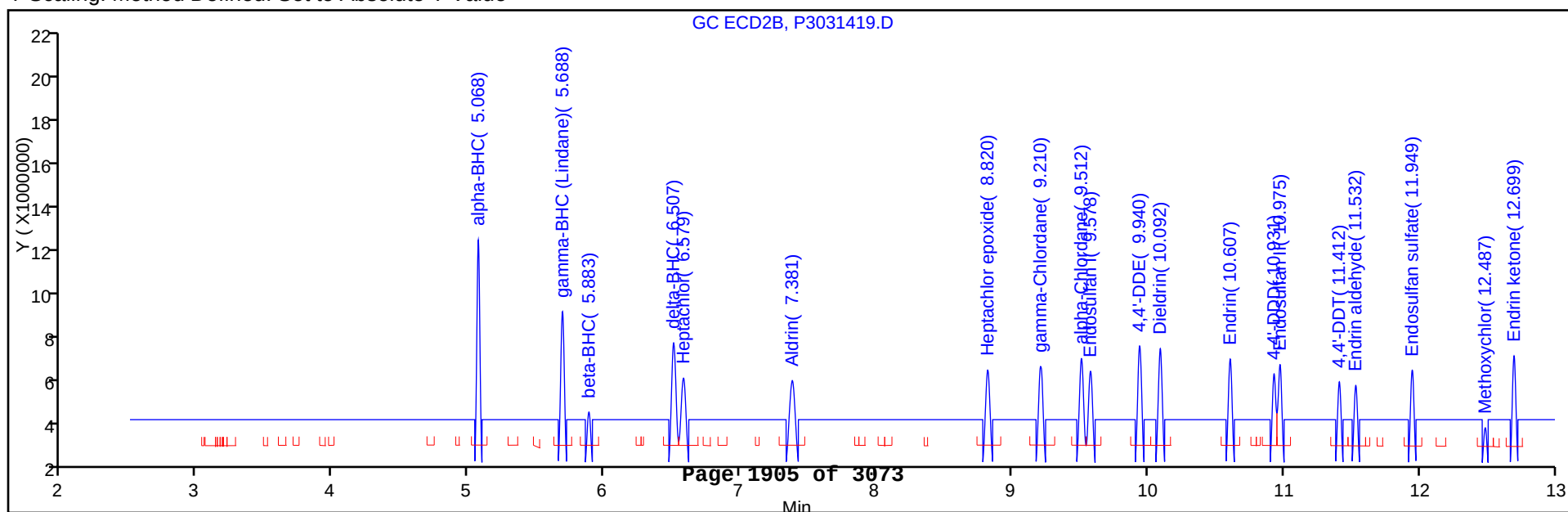
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22852-1
SDG No.: _____
Lab Sample ID: ICV 240-78295/25 Calibration Date: 03/14/2013 18:20
Instrument ID: A2HP3 Calib Start Date: 03/14/2013 16:40
GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 03/14/2013 18:00
Lab File ID: P3031425.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Ave	48953063	60802538		1.24	1.00	24.2*	20.0
Toxaphene Peak 2	Ave	49795684	56394244		1.13	1.00	13.3	20.0
Toxaphene Peak 3	Ave	41014572	58762037		1.43	1.00	43.3*	20.0
Toxaphene Peak 4	Ave	31176774	48676390		1.56	1.00	56.1*	20.0
Toxaphene Peak 5	Ave	26157631	41188374		1.57	1.00	57.5*	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22852-1
SDG No.: _____
Lab Sample ID: ICV 240-78295/25 Calibration Date: 03/14/2013 18:20
Instrument ID: A2HP3 Calib Start Date: 03/14/2013 16:40
GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 03/14/2013 18:00
Lab File ID: P3031425.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	10.39	10.36	10.42
Toxaphene Peak 2	10.73	10.70	10.76
Toxaphene Peak 3	10.88	10.85	10.91
Toxaphene Peak 4	11.29	11.26	11.32
Toxaphene Peak 5	11.56	11.53	11.59

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP3\20130314-17984.b\P3031425.D
 Lims ID: ICV Client ID:
 Inject. Date: 14-Mar-2013 18:20:24 Dil. Factor: 1.0000
 Sample Type: ICV
 Sample ID: 240-0017984-025
 Misc. Info.:
 Operator: 402582 Instrument ID: A2HP3
 Injection Vol: 1.0 ul ALS Bottle#: 25
 Lims Batch ID: 78295 Lims Sample ID: 25
 Sublist:
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCCChrom\ChromData\A2HP3\20130314-17984.b\PEST3.m
 Last Update: 15-Mar-2013 07:54:49 Calib Date: 14-Mar-2013 20:00:25
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP3\20130314-17984.b\P3031430.D
 Limit Group: GC 8081 D0D ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK032

First Level Reviewer: shockr

Date: 15-Mar-2013 07:29:46

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	1	10.386	10.386	0.000	60802538	1.24		100.0	M
1	2	10.729	10.729	0.000	56394244	1.13	81.1- 121.1	92.7	M
1	3	10.880	10.879	0.001	58762037	1.43	65.0- 105.0	96.6	M
1	4	11.292	11.292	0.000	48676390	1.56	43.1- 83.1	80.1	M
1	5	11.562	11.560	0.002	41188374	1.57	32.5- 72.5	67.7	M
Average of Peak Amounts =						1.39			
2	100	10.528	10.532	-0.004	15650408	0.9270		100.0	M
2	2	11.115	11.117	-0.002	14476115	0.6722	108.3- 148.3	92.5	M
2	3	11.536	11.535	0.001	16561763	0.6363	134.7- 174.7	105.8	M
2	4	12.836	12.278	0.558	20209953	0.6667	157.2- 197.2	129.1	M
2	5	13.118	12.837	0.281	21049372	1.72	51.7- 91.7	134.5	M
Average of Peak Amounts =						0.9249			
						RPD = 40.09			

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 15-Mar-2013 07:54:52

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

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP3\20130314-17984.b\P3031425.D

Injection Date: 14-Mar-2013 18:20:24

Limit Group: GC 8081 D0D ICAL

Client ID:

Instrument ID: A2HP3

Lims Batch ID: 78295

Lims Sample ID: 25

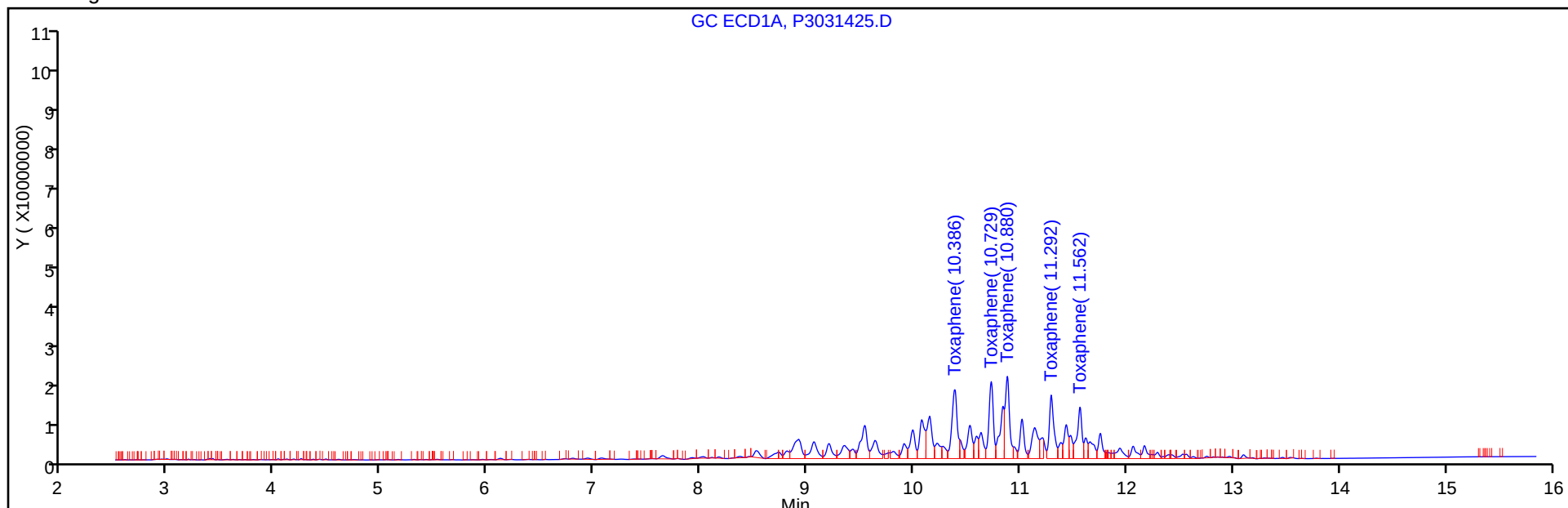
Operator ID: 402582

Injection Vol: 1.0 ul

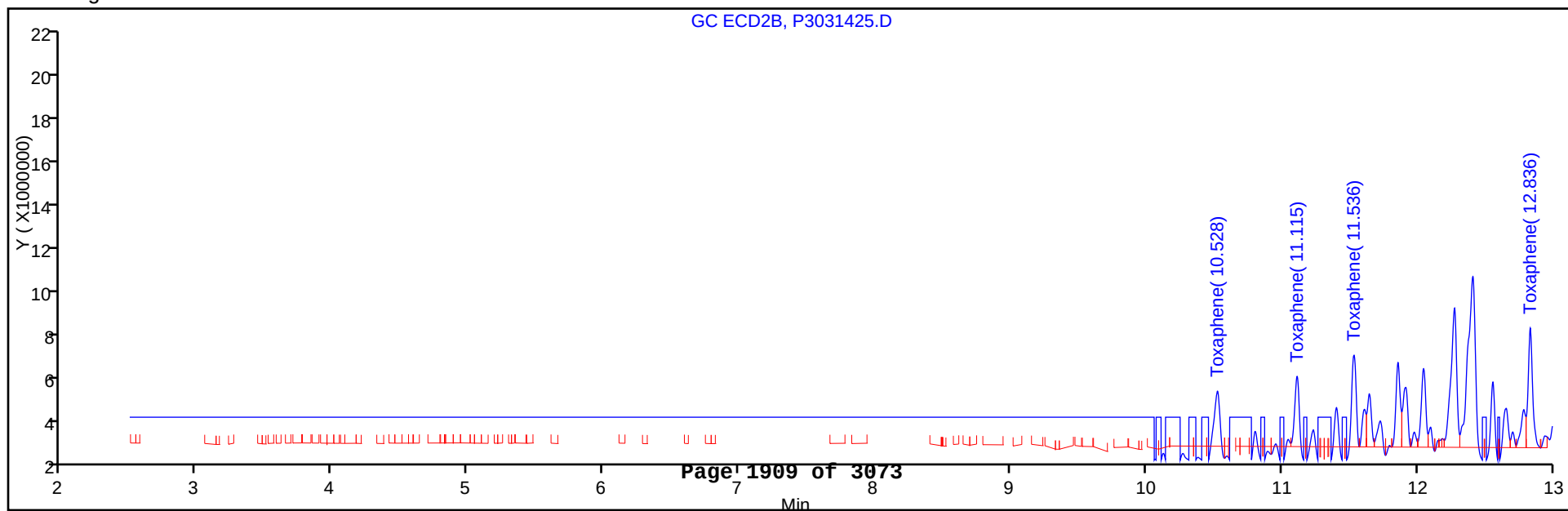
Column Type:

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\A2HP3\20130314-17984.b\P3031425.D

Injection Date: 14-Mar-2013 18:20:24

Limit Group: GC 8081 D0D ICAL

Client ID:

Instrument ID: A2HP3

Lims Batch ID: 78295

Lims Sample ID: 25

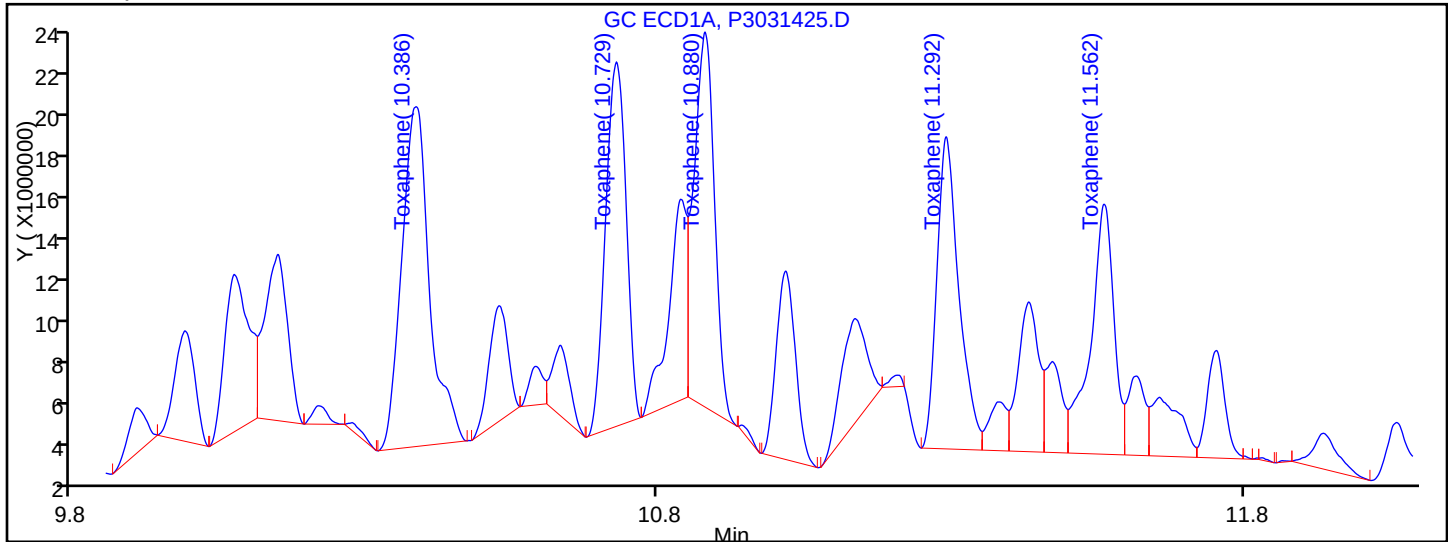
Operator ID: 402582

Injection Vol: 1.0 ul

Column Type:

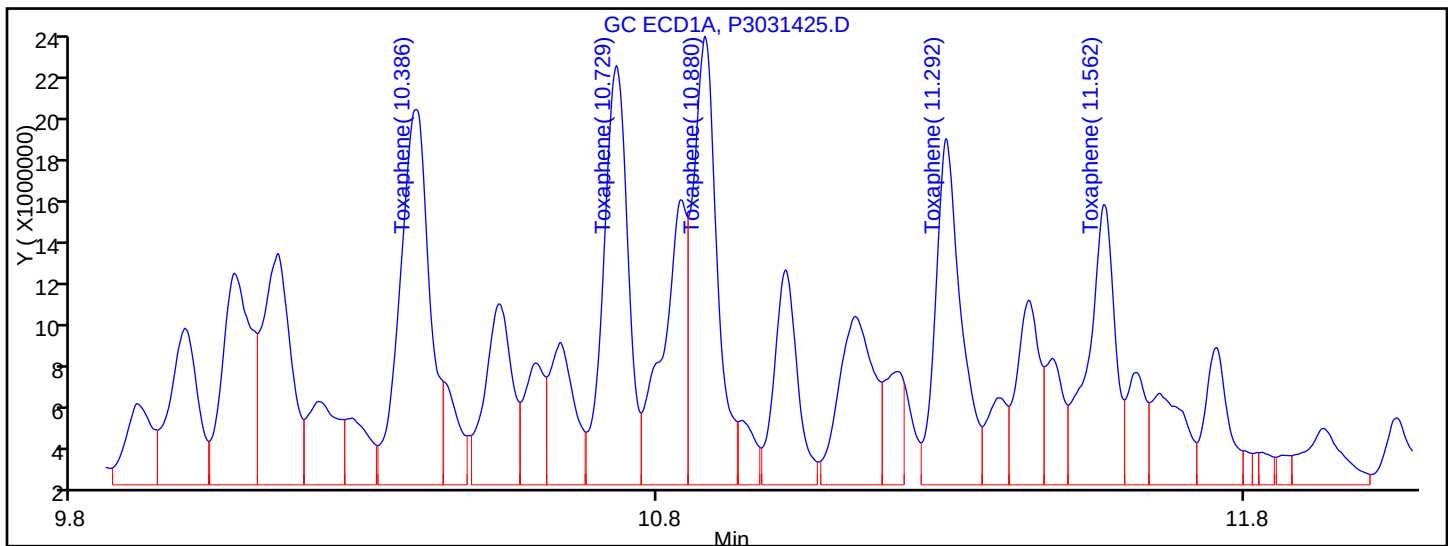
Column Dia:

30 Toxaphene, Detector: 1, GC ECD1A



Processing Integration Results

RT = 10.386	Response = 50641286	M
RT = 10.729	Response = 40186783	M
RT = 10.880	Response = 40717571	M
RT = 11.292	Response = 36881446	M
RT = 11.562	Response = 31520528	M



Manual Integration Results

RT = 10.386	Response = 60802538	M
RT = 10.729	Response = 56394244	M
RT = 10.880	Response = 58762037	M
RT = 11.292	Response = 48676390	M
RT = 11.562	Response = 41188374	M

Reviewer: shockr, 15-Mar-2013 07:29:46

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22852-1
SDG No.: _____
Lab Sample ID: ICV 240-78295/25 Calibration Date: 03/14/2013 18:20
Instrument ID: A2HP3 Calib Start Date: 03/14/2013 16:40
GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 03/14/2013 18:00
Lab File ID: P3031425.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Ave	16883134	15650408		0.927	1.00	-7.3	20.0
Toxaphene Peak 2	Ave	21534081	14476115		0.672	1.00	-32.8*	20.0
Toxaphene Peak 3	Ave	26029451	16561763		0.636	1.00	-36.4*	20.0
Toxaphene Peak 4	Ave	30315481	20209953		0.667	1.00	-33.3*	20.0
Toxaphene Peak 5	Ave	12222975	21049372		1.72	1.00	72.2*	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22852-1
SDG No.: _____
Lab Sample ID: ICV 240-78295/25 Calibration Date: 03/14/2013 18:20
Instrument ID: A2HP3 Calib Start Date: 03/14/2013 16:40
GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 03/14/2013 18:00
Lab File ID: P3031425.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	10.53	10.50	10.56
Toxaphene Peak 2	11.12	11.09	11.15
Toxaphene Peak 3	11.54	11.51	11.57
Toxaphene Peak 4	12.84	12.25	12.31
Toxaphene Peak 5	13.12	12.81	12.87

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP3\20130314-17984.b\P3031425.D
 Lims ID: ICV Client ID:
 Inject. Date: 14-Mar-2013 18:20:24 Dil. Factor: 1.0000
 Sample Type: ICV
 Sample ID: 240-0017984-025
 Misc. Info.:
 Operator: 402582 Instrument ID: A2HP3
 Injection Vol: 1.0 ul ALS Bottle#: 25
 Lims Batch ID: 78295 Lims Sample ID: 25
 Sublist:
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCCChrom\ChromData\A2HP3\20130314-17984.b\PEST3.m
 Last Update: 15-Mar-2013 07:54:49 Calib Date: 14-Mar-2013 20:00:25
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP3\20130314-17984.b\P3031430.D
 Limit Group: GC 8081 D0D ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK032

First Level Reviewer: shockr

Date: 15-Mar-2013 07:29:46

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	1	10.386	10.386	0.000	60802538	1.24		100.0	M
1	2	10.729	10.729	0.000	56394244	1.13	81.1- 121.1	92.7	M
1	3	10.880	10.879	0.001	58762037	1.43	65.0- 105.0	96.6	M
1	4	11.292	11.292	0.000	48676390	1.56	43.1- 83.1	80.1	M
1	5	11.562	11.560	0.002	41188374	1.57	32.5- 72.5	67.7	M
Average of Peak Amounts =						1.39			
2	100	10.528	10.532	-0.004	15650408	0.9270		100.0	M
2	2	11.115	11.117	-0.002	14476115	0.6722	108.3- 148.3	92.5	M
2	3	11.536	11.535	0.001	16561763	0.6363	134.7- 174.7	105.8	M
2	4	12.836	12.278	0.558	20209953	0.6667	157.2- 197.2	129.1	M
2	5	13.118	12.837	0.281	21049372	1.72	51.7- 91.7	134.5	M
Average of Peak Amounts =						0.9249			
						RPD = 40.09			

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 15-Mar-2013 07:54:53

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

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP3\20130314-17984.b\P3031425.D

Injection Date: 14-Mar-2013 18:20:24

Limit Group: GC 8081 D0D ICAL

Client ID:

Instrument ID: A2HP3

Lims Batch ID: 78295

Lims Sample ID: 25

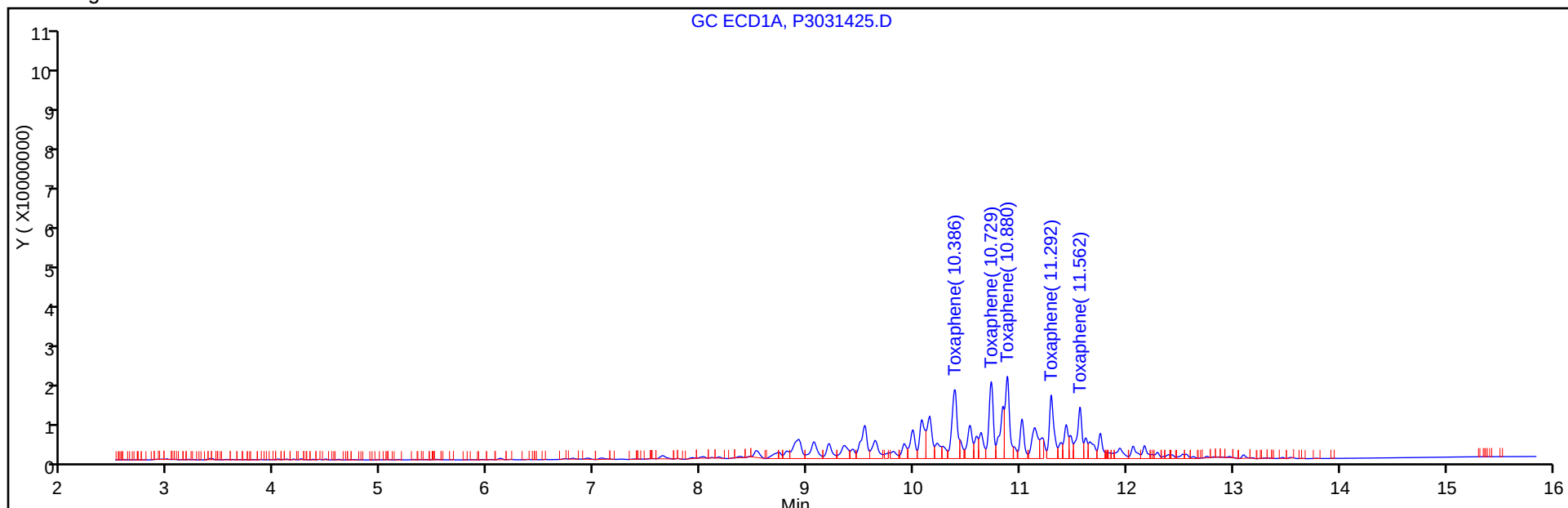
Operator ID: 402582

Injection Vol: 1.0 ul

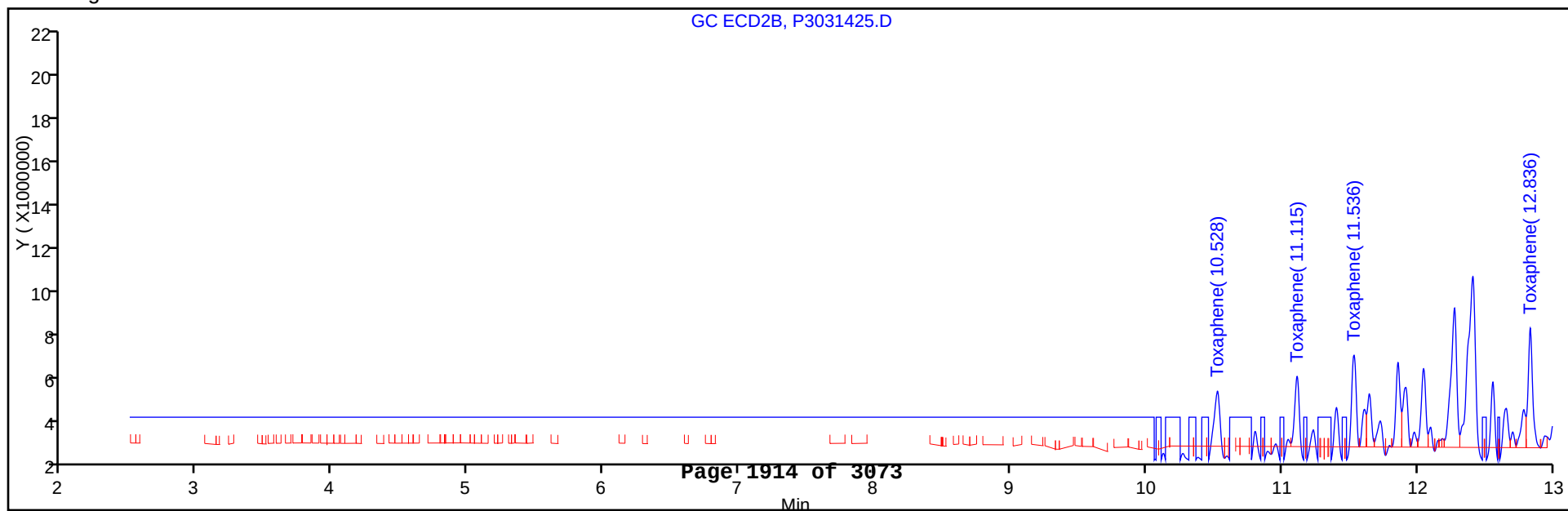
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP3\20130314-17984.b\P3031425.D

Injection Date: 14-Mar-2013 18:20:24

Limit Group: GC 8081 D0D ICAL

Client ID:

Instrument ID: A2HP3

Lims Batch ID: 78295

Lims Sample ID: 25

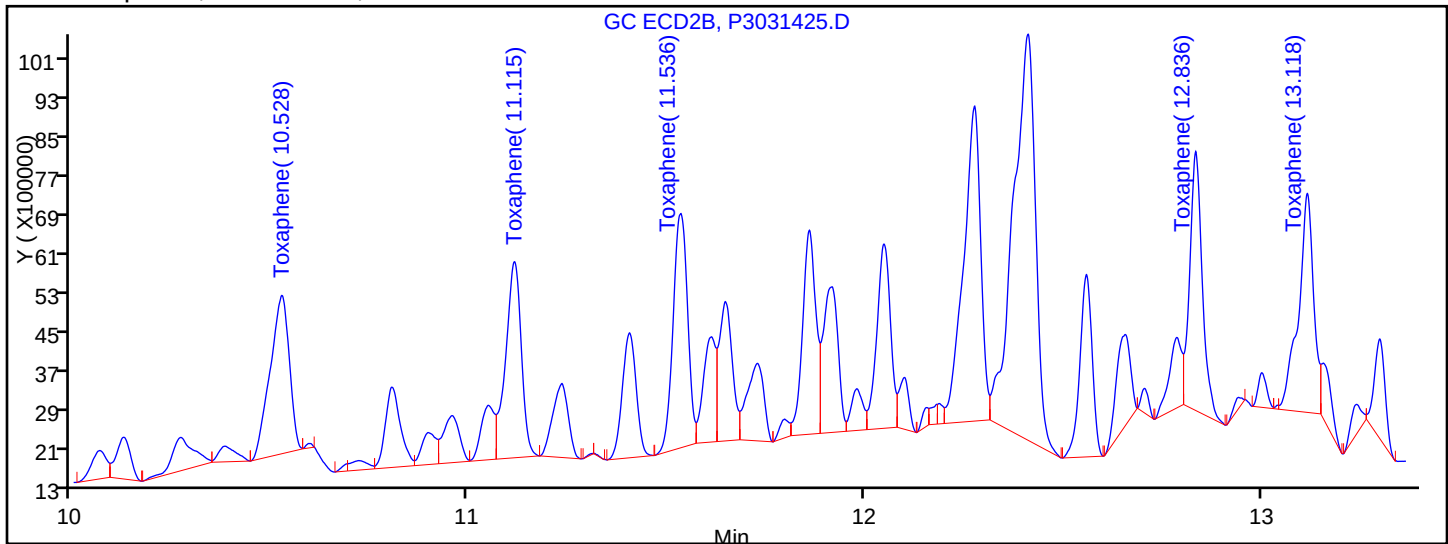
Operator ID: 402582

Injection Vol: 1.0 ul

Column Type:

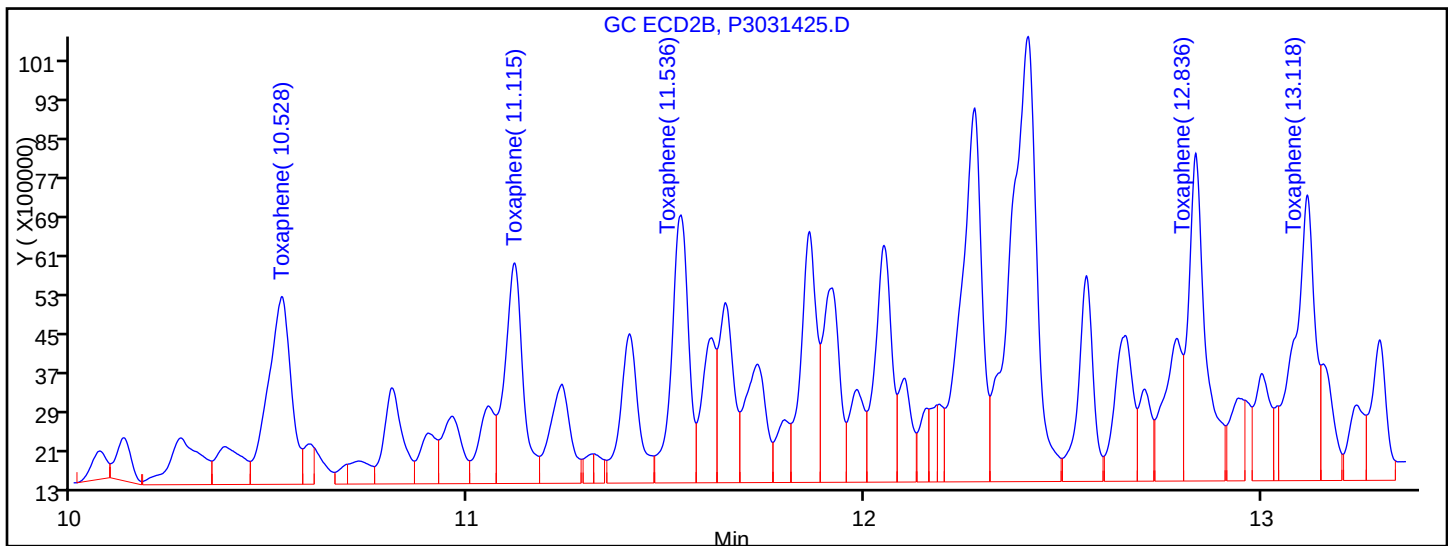
Column Dia:

30 Toxaphene, Detector: 2, GC ecd2b



Processing Integration Results

RT = 10.528	Response = 10952045	M
RT = 11.115	Response = 11039703	M
RT = 11.536	Response = 12277980	M
RT = 12.836	Response = 11715269	M
RT = 13.118	Response = 12039318	M



Manual Integration Results

RT = 10.528	Response = 15650408	M
RT = 11.115	Response = 14476115	M
RT = 11.536	Response = 16561763	M
RT = 12.836	Response = 20209953	M
RT = 13.118	Response = 21049372	M

Reviewer: shockr, 15-Mar-2013 07:29:46

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22852-1
 SDG No.: _____
 Lab Sample ID: CCV 240-82685/5 Calibration Date: 04/19/2013 11:45
 Instrument ID: A2HP3 Calib Start Date: 03/14/2013 14:20
 GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 03/14/2013 16:00
 Lab File ID: P3041905.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	1623707372	1710432880		0.0263	0.0250	5.3	20.0
gamma-BHC (Lindane)	Ave	1455203462	1557592920		0.0268	0.0250	7.0	20.0
beta-BHC	Ave	618486639	646157000		0.0261	0.0250	4.5	20.0
delta-BHC	Ave	1480196914	1592216360		0.0269	0.0250	7.6	20.0
Heptachlor	Ave	1288059053	1527618400		0.0296	0.0250	18.6	20.0
Aldrin	Ave	1359987606	1391907640		0.0256	0.0250	2.3	20.0
Heptachlor epoxide	Ave	1229987574	1311092160		0.0266	0.0250	6.6	20.0
gamma-Chlordane	Ave	1263492565	1319228280		0.0261	0.0250	4.4	20.0
alpha-Chlordane	Ave	1289702829	1348261760		0.0261	0.0250	4.5	20.0
Endosulfan I	Ave	1152636801	1237048000		0.0268	0.0250	7.3	20.0
4,4'-DDE	Ave	1266505227	1279961600		0.0253	0.0250	1.1	20.0
Dieldrin	Ave	1268423751	1335944480		0.0263	0.0250	5.3	20.0
Endrin	Ave	1189138903	1310268240		0.0275	0.0250	10.2	20.0
4,4'-DDD	Ave	970323691	1043693080		0.0269	0.0250	7.6	20.0
Endosulfan II	Ave	1094573989	1168053280		0.0267	0.0250	6.7	20.0
4,4'-DDT	Ave	922210777	1149029840		0.0311	0.0250	24.6*	20.0
Endrin aldehyde	Ave	880698493	961289880		0.0273	0.0250	9.2	20.0
Methoxychlor	Ave	461419504	621568320		0.0337	0.0250	34.7*	20.0
Endosulfan sulfate	Ave	981061458	1053723480		0.0269	0.0250	7.4	20.0
Endrin ketone	Ave	1144648217	1281083600		0.0280	0.0250	11.9	20.0
Tetrachloro-m-xylene	Ave	1100163513	1057860280		0.0240	0.0250	-3.8	20.0
DCB Decachlorobiphenyl	Ave	960238458	983896200		0.0256	0.0250	2.5	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22852-1
 SDG No.: _____
 Lab Sample ID: CCV 240-82685/5 Calibration Date: 04/19/2013 11:45
 Instrument ID: A2HP3 Calib Start Date: 03/14/2013 14:20
 GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 03/14/2013 16:00
 Lab File ID: P3041905.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.18	4.15	4.21
gamma-BHC (Lindane)	4.56	4.53	4.59
beta-BHC	4.70	4.67	4.73
delta-BHC	4.91	4.88	4.94
Heptachlor	5.19	5.16	5.22
Aldrin	5.64	5.61	5.67
Heptachlor epoxide	6.87	6.84	6.90
gamma-Chlordane	7.17	7.14	7.20
alpha-Chlordane	7.52	7.49	7.55
Endosulfan I	7.80	7.77	7.83
4,4'-DDE	7.90	7.87	7.93
Dieldrin	8.36	8.33	8.39
Endrin	8.82	8.79	8.85
4,4'-DDD	9.18	9.15	9.21
Endosulfan II	9.27	9.24	9.30
4,4'-DDT	9.71	9.68	9.74
Endrin aldehyde	10.07	10.04	10.10
Methoxychlor	10.67	10.64	10.70
Endosulfan sulfate	10.80	10.77	10.83
Endrin ketone	11.20	11.17	11.23
Tetrachloro-m-xylene	3.49	3.46	3.52
DCB Decachlorobiphenyl	12.82	12.79	12.85

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP3\20130419-19054.b\P3041905.D
 Lims ID: CCV AB3 Client ID:
 Inject. Date: 19-Apr-2013 11:45:41 Dil. Factor: 1.0000
 Sample Type: CCVRT
 Sample ID: 240-0019054-005
 Misc. Info.:
 Operator: 402582 Instrument ID: A2HP3
 Injection Vol: 1.0 ul ALS Bottle#: 5
 Lims Batch ID: 82685 Lims Sample ID: 5
 Sublist: chrom-PEST3*sub7
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCCChrom\ChromData\A2HP3\20130419-19054.b\PEST3.m
 Last Update: 20-Apr-2013 07:39:31 Calib Date: 16-Apr-2013 14:58:16
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP3\20130416-18914.b\P3041609.D
 Limit Group: GC 8081 D0D ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK028

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

\$ 29 Tetrachloro-m-xylene

1	100	3.490	3.490	0.000	26446507	0.0240			
2	100	4.092	4.092	0.000	13909802	0.0230			
							RPD = 4.28		

5 alpha-BHC

1	100	4.181	4.181	0.000	42760822	0.0263			
2	100	4.949	4.949	0.000	22154592	0.0288			
							RPD = 8.85		

20 gamma-BHC (Lindane)

1	100	4.561	4.561	0.000	38939823	0.0268			
2	100	5.533	5.533	0.000	19991447	0.0295			
							RPD = 9.84		

7 beta-BHC

1	100	4.695	4.695	0.000	16153925	0.0261			
2	100	5.719	5.719	0.000	8577539	0.0290			
							RPD = 10.48		

11 delta-BHC

1	100	4.910	4.910	0.000	39805409	0.0269			
2	100	6.304	6.304	0.000	20651155	0.0297			
							RPD = 9.88		

22 Heptachlor

1	100	5.194	5.194	0.000	38190460	0.0296			
2	100	6.366	6.366	0.000	18054069	0.0310			
							RPD = 4.35		

4 Aldrin

1	100	5.644	5.644	0.000	34797691	0.0256			
2	100	7.115	7.115	0.000	18068806	0.0271			
							RPD = 5.84		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.870	6.870	0.000	32777304	0.0266			
2	100	8.607	8.607	0.000	16679565	0.0287			
						RPD = 7.39			
21 gamma-Chlordane									
1	100	7.172	7.172	0.000	32980707	0.0261			
2	100	9.012	9.012	0.000	16664294	0.0284			
						RPD = 8.46			
6 alpha-Chlordane									
1	100	7.520	7.520	0.000	33706544	0.0261			
2	100	9.322	9.322	0.000	16899337	0.0277			
						RPD = 5.77			
14 Endosulfan I									
1	100	7.795	7.795	0.000	30926200	0.0268			
2	100	9.388	9.388	0.000	15422996	0.0290			
						RPD = 7.86			
2 4,4'-DDE									
1	100	7.897	7.897	0.000	31999040	0.0253			
2	100	9.766	9.766	0.000	15906933	0.0261			
						RPD = 3.18			
13 Dieldrin									
1	100	8.357	8.357	0.000	33398612	0.0263			
2	100	9.914	9.914	0.000	16486603	0.0277			
						RPD = 5.20			
17 Endrin									
1	100	8.816	8.816	0.000	32756706	0.0275			
2	100	10.435	10.435	0.000	15989334	0.0298			
						RPD = 8.00			
1 4,4'-DDD									
1	100	9.182	9.182	0.000	26092327	0.0269			
2	100	10.775	10.775	0.000	12492150	0.0292			
						RPD = 8.30			
15 Endosulfan II									
1	100	9.268	9.268	0.000	29201332	0.0267			
2	100	10.807	10.807	0.000	14635883	0.0301			
						RPD = 12.21			
3 4,4'-DDT									
1	100	9.706	9.706	0.000	28725746	0.0311			
2	100	11.256	11.256	0.000	12650185	0.0320			
						RPD = 2.64			
18 Endrin aldehyde									
1	100	10.070	10.070	0.000	24032247	0.0273			
2	100	11.374	11.374	0.000	11897264	0.0301			
						RPD = 9.85			
27 Methoxychlor									
1	100	10.667	10.667	0.000	15539208	0.0337			
2	100	12.336	12.336	0.000	6777692	0.0340			
						RPD = 0.87			

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

16 Endosulfan sulfate

1 100 10.800 10.800 0.000 26343087 0.0269

2 100 11.791 11.791 0.000 13128516 0.0297

RPD = 10.03

19 Endrin ketone

1 100 11.201 11.201 0.000 32027090 0.0280

2 100 12.539 12.539 0.000 15469335 0.0308

RPD = 9.74

\$ 10 DCB Decachlorobiphenyl

1 100 12.824 12.824 0.000 24597405 0.0256

2 100 14.253 14.253 0.000 12868313 0.0268

RPD = 4.41

Report Date: 20-Apr-2013 07:39:31

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP3\20130419-19054.b\P3041905.D

Injection Date: 19-Apr-2013 11:45:41

Limit Group: GC 8081 D0D ICAL

Client ID:

Instrument ID: A2HP3

Lims Batch ID: 82685

Lims Sample ID: 5

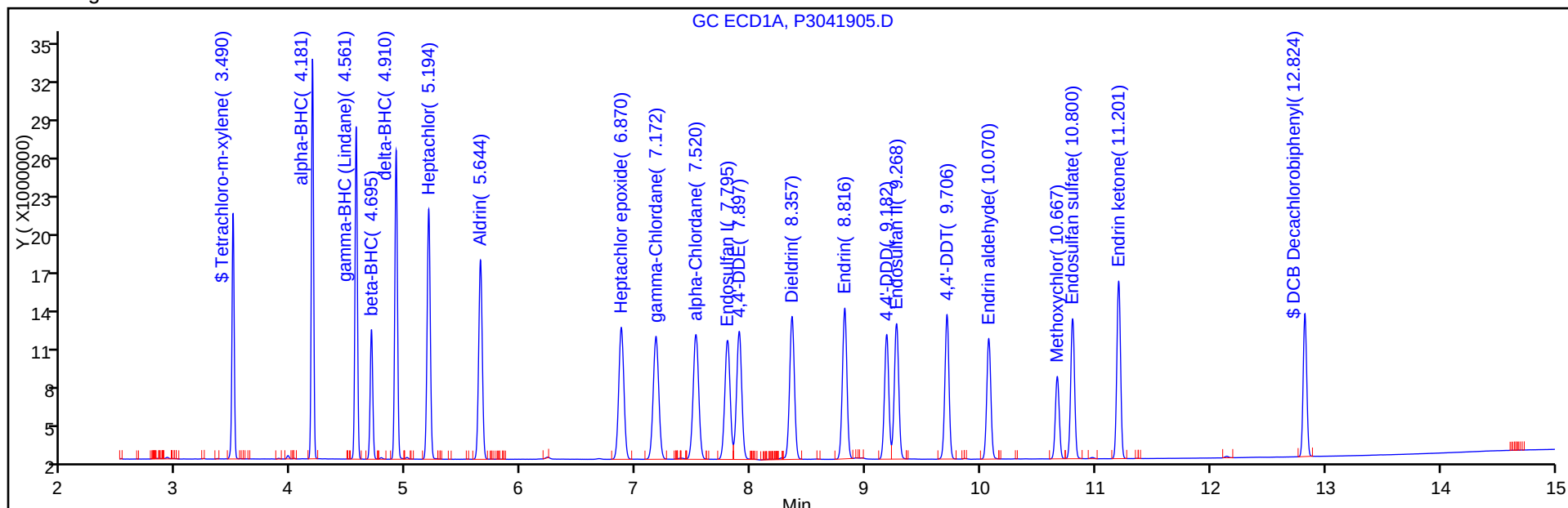
Operator ID: 402582

Injection Vol: 1.0 ul

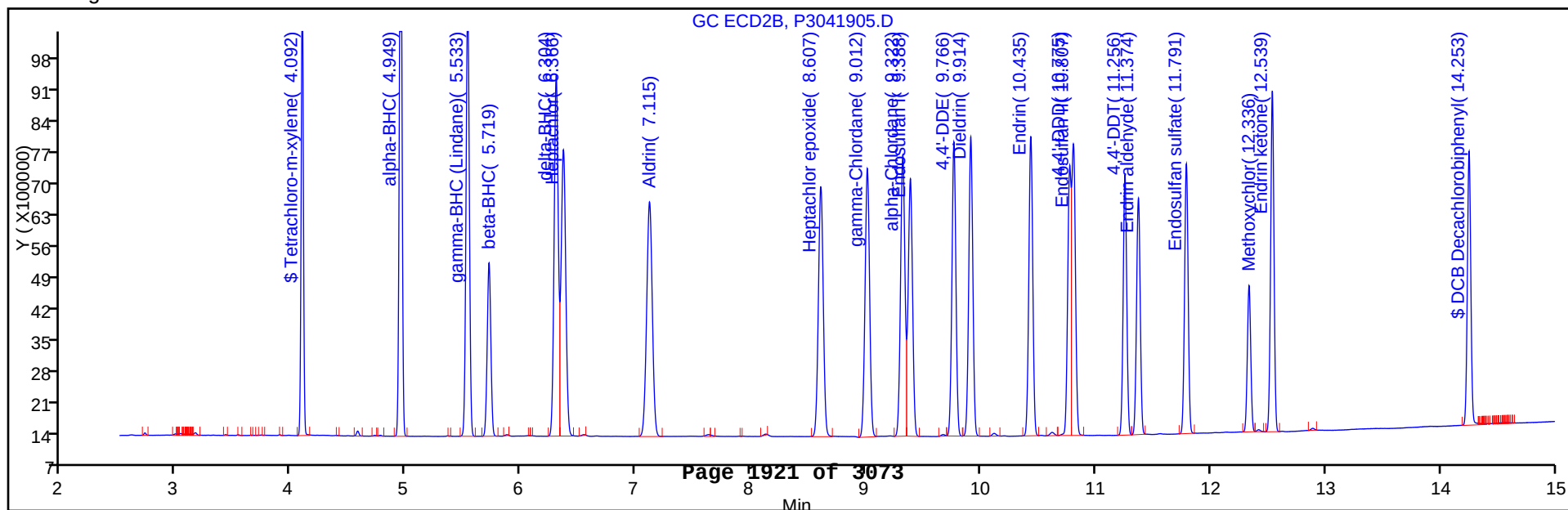
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22852-1
 SDG No.: _____
 Lab Sample ID: CCV 240-82685/5 Calibration Date: 04/19/2013 11:45
 Instrument ID: A2HP3 Calib Start Date: 03/14/2013 14:20
 GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 03/14/2013 16:00
 Lab File ID: P3041905.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	769922401	886183680		0.0288	0.0250	15.1	20.0
gamma-BHC (Lindane)	Ave	677058072	799657880		0.0295	0.0250	18.1	20.0
beta-BHC	Ave	295707343	343101560		0.0290	0.0250	16.0	20.0
delta-BHC	Ave	695621800	826046200		0.0297	0.0250	18.7	20.0
Heptachlor	Ave	582970513	722162760		0.0310	0.0250	23.9*	20.0
Aldrin	Ave	666083583	722752240		0.0271	0.0250	8.5	20.0
Heptachlor epoxide	Ave	581320598	667182600		0.0287	0.0250	14.8	20.0
gamma-Chlordane	Ave	586604093	666571760		0.0284	0.0250	13.6	20.0
alpha-Chlordane	Ave	610326008	675973480		0.0277	0.0250	10.8	20.0
Endosulfan I	Ave	531325762	616919840		0.0290	0.0250	16.1	20.0
4,4'-DDE	Ave	609850598	636277320		0.0261	0.0250	4.3	20.0
Dieldrin	Ave	594383876	659464120		0.0277	0.0250	10.9	20.0
Endrin	Ave	535793583	639573360		0.0298	0.0250	19.4	20.0
4,4'-DDD	Ave	427546511	499686000		0.0292	0.0250	16.9	20.0
Endosulfan II	Ave	485472127	585435320		0.0301	0.0250	20.6*	20.0
4,4'-DDT	Ave	395546624	506007400		0.0320	0.0250	27.9*	20.0
Endrin aldehyde	Ave	395073591	475890560		0.0301	0.0250	20.5*	20.0
Endosulfan sulfate	Ave	442236050	525140640		0.0297	0.0250	18.7	20.0
Methoxychlor	Ave	199518519	271107680		0.0340	0.0250	35.9*	20.0
Endrin ketone	Ave	501538938	618773400		0.0308	0.0250	23.4*	20.0
Tetrachloro-m-xylene	Ave	603960426	556392080		0.0230	0.0250	-7.9	20.0
DCB Decachlorobiphenyl	Ave	480698861	514732520		0.0268	0.0250	7.1	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22852-1
 SDG No.: _____
 Lab Sample ID: CCV 240-82685/5 Calibration Date: 04/19/2013 11:45
 Instrument ID: A2HP3 Calib Start Date: 03/14/2013 14:20
 GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 03/14/2013 16:00
 Lab File ID: P3041905.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.95	4.92	4.98
gamma-BHC (Lindane)	5.53	5.50	5.56
beta-BHC	5.72	5.69	5.75
delta-BHC	6.30	6.27	6.33
Heptachlor	6.37	6.34	6.40
Aldrin	7.12	7.09	7.15
Heptachlor epoxide	8.61	8.58	8.64
gamma-Chlordane	9.01	8.98	9.04
alpha-Chlordane	9.32	9.29	9.35
Endosulfan I	9.39	9.36	9.42
4,4'-DDE	9.77	9.74	9.80
Dieldrin	9.91	9.88	9.94
Endrin	10.44	10.41	10.47
4,4'-DDD	10.78	10.75	10.81
Endosulfan II	10.81	10.78	10.84
4,4'-DDT	11.26	11.23	11.29
Endrin aldehyde	11.37	11.34	11.40
Endosulfan sulfate	11.79	11.76	11.82
Methoxychlor	12.34	12.31	12.37
Endrin ketone	12.54	12.51	12.57
Tetrachloro-m-xylene	4.09	4.06	4.12
DCB Decachlorobiphenyl	14.25	14.22	14.28

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP3\20130419-19054.b\P3041905.D
 Lims ID: CCV AB3 Client ID:
 Inject. Date: 19-Apr-2013 11:45:41 Dil. Factor: 1.0000
 Sample Type: CCVRT
 Sample ID: 240-0019054-005
 Misc. Info.:
 Operator: 402582 Instrument ID: A2HP3
 Injection Vol: 1.0 ul ALS Bottle#: 5
 Lims Batch ID: 82685 Lims Sample ID: 5
 Sublist: chrom-PEST3*sub7
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCCChrom\ChromData\A2HP3\20130419-19054.b\PEST3.m
 Last Update: 20-Apr-2013 07:39:31 Calib Date: 16-Apr-2013 14:58:16
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP3\20130416-18914.b\P3041609.D
 Limit Group: GC 8081 D0D ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK028

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

\$ 29 Tetrachloro-m-xylene

1	100	3.490	3.490	0.000	26446507	0.0240			
2	100	4.092	4.092	0.000	13909802	0.0230			
							RPD = 4.28		

5 alpha-BHC

1	100	4.181	4.181	0.000	42760822	0.0263			
2	100	4.949	4.949	0.000	22154592	0.0288			
							RPD = 8.85		

20 gamma-BHC (Lindane)

1	100	4.561	4.561	0.000	38939823	0.0268			
2	100	5.533	5.533	0.000	19991447	0.0295			
							RPD = 9.84		

7 beta-BHC

1	100	4.695	4.695	0.000	16153925	0.0261			
2	100	5.719	5.719	0.000	8577539	0.0290			
							RPD = 10.48		

11 delta-BHC

1	100	4.910	4.910	0.000	39805409	0.0269			
2	100	6.304	6.304	0.000	20651155	0.0297			
							RPD = 9.88		

22 Heptachlor

1	100	5.194	5.194	0.000	38190460	0.0296			
2	100	6.366	6.366	0.000	18054069	0.0310			
							RPD = 4.35		

4 Aldrin

1	100	5.644	5.644	0.000	34797691	0.0256			
2	100	7.115	7.115	0.000	18068806	0.0271			
							RPD = 5.84		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.870	6.870	0.000	32777304	0.0266			
2	100	8.607	8.607	0.000	16679565	0.0287			
						RPD = 7.39			
21 gamma-Chlordane									
1	100	7.172	7.172	0.000	32980707	0.0261			
2	100	9.012	9.012	0.000	16664294	0.0284			
						RPD = 8.46			
6 alpha-Chlordane									
1	100	7.520	7.520	0.000	33706544	0.0261			
2	100	9.322	9.322	0.000	16899337	0.0277			
						RPD = 5.77			
14 Endosulfan I									
1	100	7.795	7.795	0.000	30926200	0.0268			
2	100	9.388	9.388	0.000	15422996	0.0290			
						RPD = 7.86			
2 4,4'-DDE									
1	100	7.897	7.897	0.000	31999040	0.0253			
2	100	9.766	9.766	0.000	15906933	0.0261			
						RPD = 3.18			
13 Dieldrin									
1	100	8.357	8.357	0.000	33398612	0.0263			
2	100	9.914	9.914	0.000	16486603	0.0277			
						RPD = 5.20			
17 Endrin									
1	100	8.816	8.816	0.000	32756706	0.0275			
2	100	10.435	10.435	0.000	15989334	0.0298			
						RPD = 8.00			
1 4,4'-DDD									
1	100	9.182	9.182	0.000	26092327	0.0269			
2	100	10.775	10.775	0.000	12492150	0.0292			
						RPD = 8.30			
15 Endosulfan II									
1	100	9.268	9.268	0.000	29201332	0.0267			
2	100	10.807	10.807	0.000	14635883	0.0301			
						RPD = 12.21			
3 4,4'-DDT									
1	100	9.706	9.706	0.000	28725746	0.0311			
2	100	11.256	11.256	0.000	12650185	0.0320			
						RPD = 2.64			
18 Endrin aldehyde									
1	100	10.070	10.070	0.000	24032247	0.0273			
2	100	11.374	11.374	0.000	11897264	0.0301			
						RPD = 9.85			
27 Methoxychlor									
1	100	10.667	10.667	0.000	15539208	0.0337			
2	100	12.336	12.336	0.000	6777692	0.0340			
						RPD = 0.87			

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

16 Endosulfan sulfate

1 100 10.800 10.800 0.000 26343087 0.0269

2 100 11.791 11.791 0.000 13128516 0.0297

RPD = 10.03

19 Endrin ketone

1 100 11.201 11.201 0.000 32027090 0.0280

2 100 12.539 12.539 0.000 15469335 0.0308

RPD = 9.74

\$ 10 DCB Decachlorobiphenyl

1 100 12.824 12.824 0.000 24597405 0.0256

2 100 14.253 14.253 0.000 12868313 0.0268

RPD = 4.41

Report Date: 20-Apr-2013 07:39:31

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP3\20130419-19054.b\P3041905.D

Injection Date: 19-Apr-2013 11:45:41

Limit Group: GC 8081 D0D ICAL

Client ID:

Instrument ID: A2HP3

Lims Batch ID: 82685

Lims Sample ID: 5

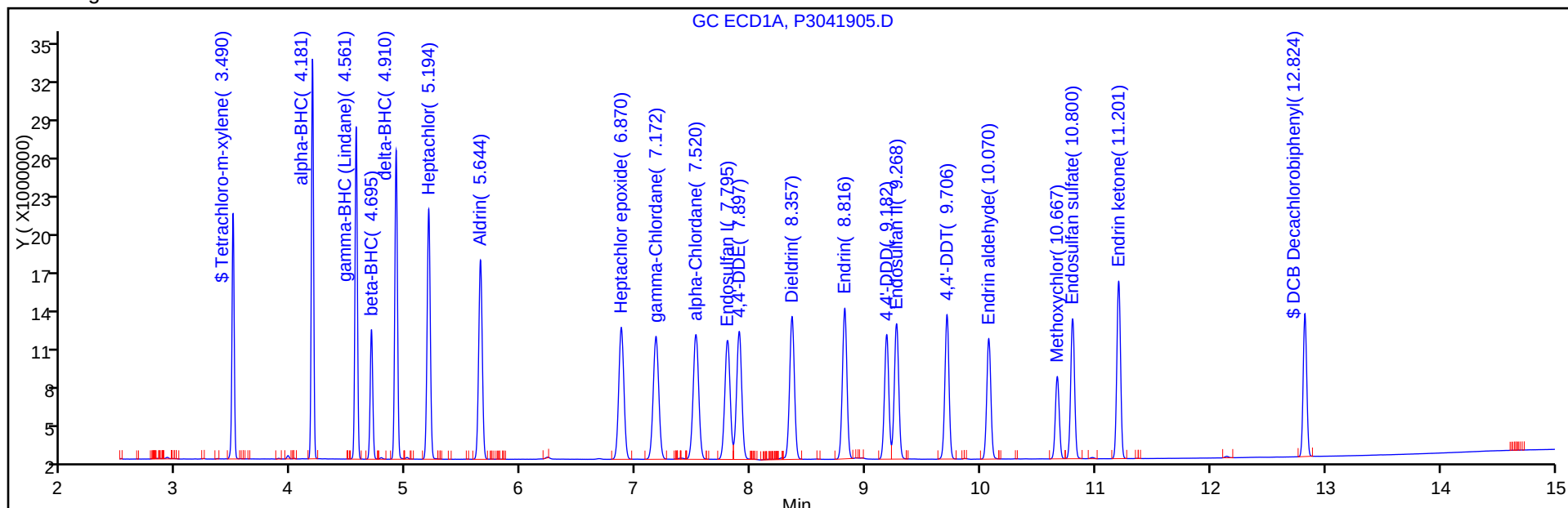
Operator ID: 402582

Injection Vol: 1.0 ul

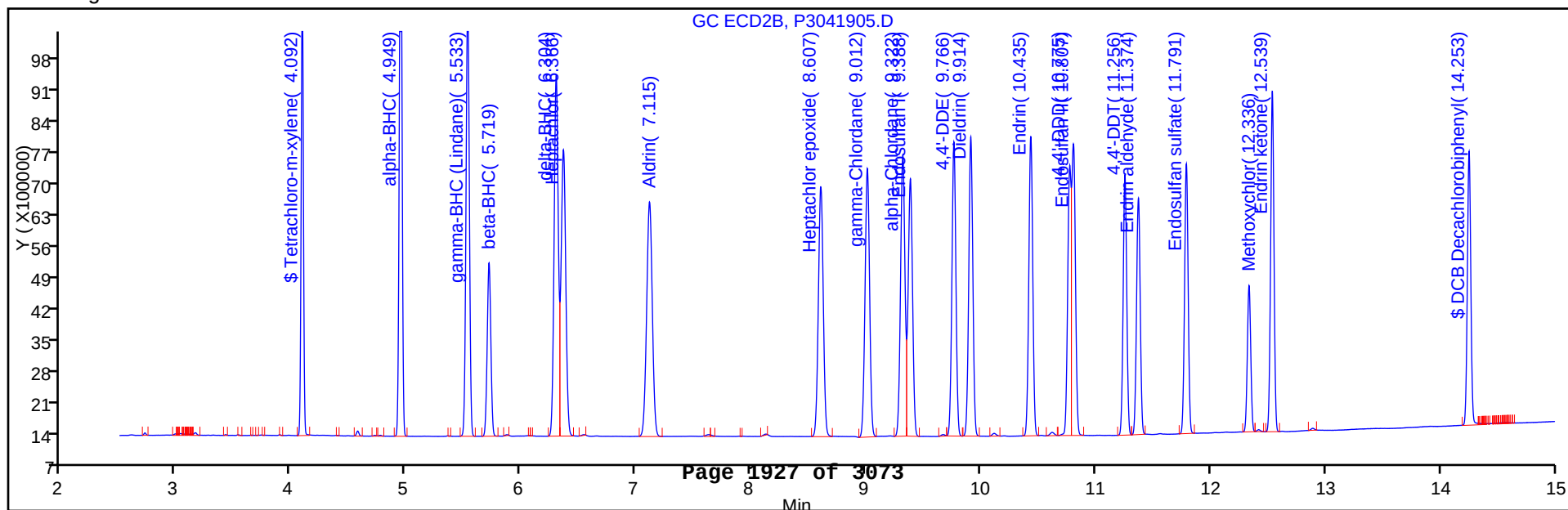
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22852-1
SDG No.: _____
Lab Sample ID: CCV 240-82685/7 Calibration Date: 04/19/2013 12:26
Instrument ID: A2HP3 Calib Start Date: 03/14/2013 16:40
GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 03/14/2013 18:00
Lab File ID: P3041907.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Ave	48953063	55041979		1.12	1.00	12.4	20.0
Toxaphene Peak 2	Ave	49795684	55253781		1.11	1.00	11.0	20.0
Toxaphene Peak 3	Ave	41014572	46427649		1.13	1.00	13.2	20.0
Toxaphene Peak 4	Ave	31176774	35407081		1.14	1.00	13.6	20.0
Toxaphene Peak 5	Ave	26157631	30093343		1.15	1.00	15.0	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22852-1
SDG No.: _____
Lab Sample ID: CCV 240-82685/7 Calibration Date: 04/19/2013 12:26
Instrument ID: A2HP3 Calib Start Date: 03/14/2013 16:40
GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 03/14/2013 18:00
Lab File ID: P3041907.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	10.26	10.23	10.29
Toxaphene Peak 2	10.61	10.58	10.64
Toxaphene Peak 3	10.76	10.73	10.79
Toxaphene Peak 4	11.17	11.14	11.20
Toxaphene Peak 5	11.45	11.42	11.48

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130419-19054.b\P3041907.D
 Lims ID: CCV TOX3 Client ID:
 Inject. Date: 19-Apr-2013 12:26:00 Dil. Factor: 1.0000
 Sample Type: CCV
 Sample ID: 240-0019054-007
 Misc. Info.:
 Operator: 402582 Instrument ID: A2HP3
 Injection Vol: 1.0 ul ALS Bottle#: 7
 Lims Batch ID: 82685 Lims Sample ID: 7
 Sublist: chrom-PEST3*sub5
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCChrom\ChromData\A2HP3\20130419-19054.b\PEST3.m
 Last Update: 20-Apr-2013 07:39:32 Calib Date: 16-Apr-2013 14:58:16
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCChrom\ChromData\A2HP3\20130416-18914.b\P3041609.D
 Limit Group: GC 8081 D0D ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK028

First Level Reviewer: shockr

Date: 19-Apr-2013 13:09:14

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	1	10.261	10.261	0.000	55041979	1.12		100.0	M
1	2	10.605	10.605	0.000	55253781	1.11	81.1- 121.1	100.4	M
1	3	10.758	10.758	0.000	46427649	1.13	65.0- 105.0	84.3	M
1	4	11.174	11.174	0.000	35407081	1.14	43.1- 83.1	64.3	M
1	5	11.446	11.446	0.000	30093343	1.15	32.5- 72.5	54.7	M
Average of Peak Amounts =						1.13			
2	100	10.363	10.363	0.000	18694020	1.11		100.0	M
2	2	10.953	10.953	0.000	25336076	1.18	108.3- 148.3	135.5	M
2	3	11.373	11.373	0.000	30643672	1.18	134.7- 174.7	163.9	M
2	4	12.117	12.117	0.000	35963611	1.19	157.2- 197.2	192.4	M
2	5	12.677	12.677	0.000	14727358	1.20	51.7- 91.7	78.8	M
Average of Peak Amounts =						1.17			
						RPD = 3.48			

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 20-Apr-2013 07:39:33

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP3\20130419-19054.b\P3041907.D

Injection Date: 19-Apr-2013 12:26:00

Limit Group: GC 8081 D0D ICAL

Client ID:

Instrument ID: A2HP3

Lims Batch ID: 82685

Lims Sample ID: 7

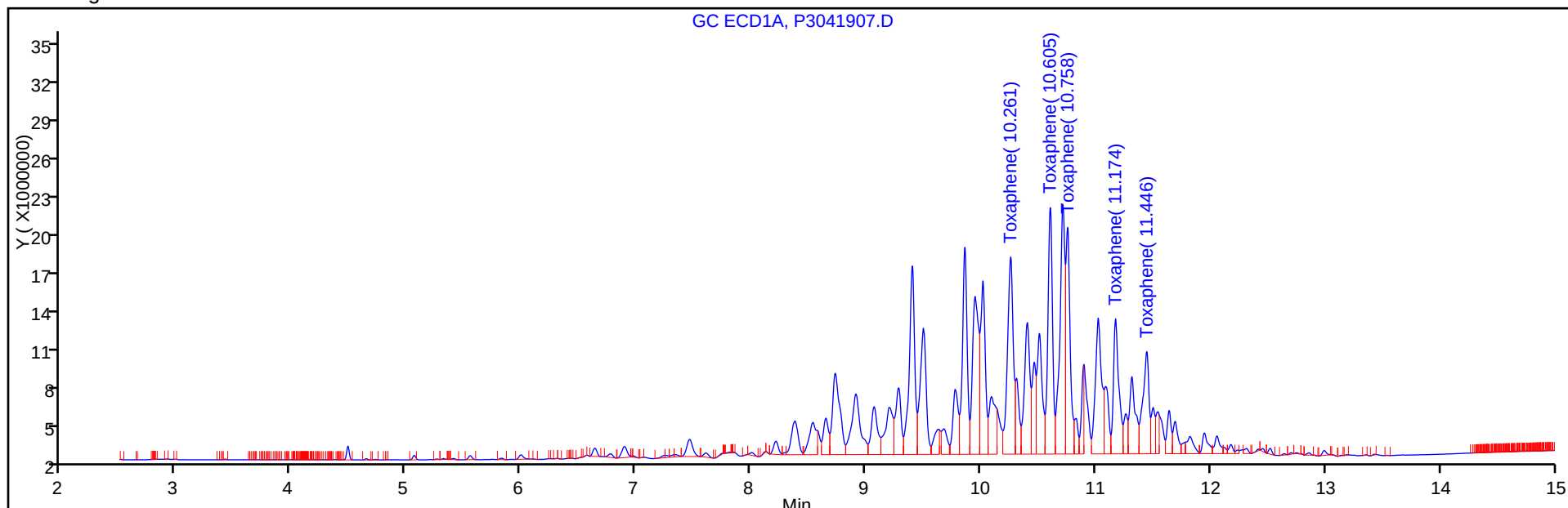
Operator ID: 402582

Injection Vol: 1.0 ul

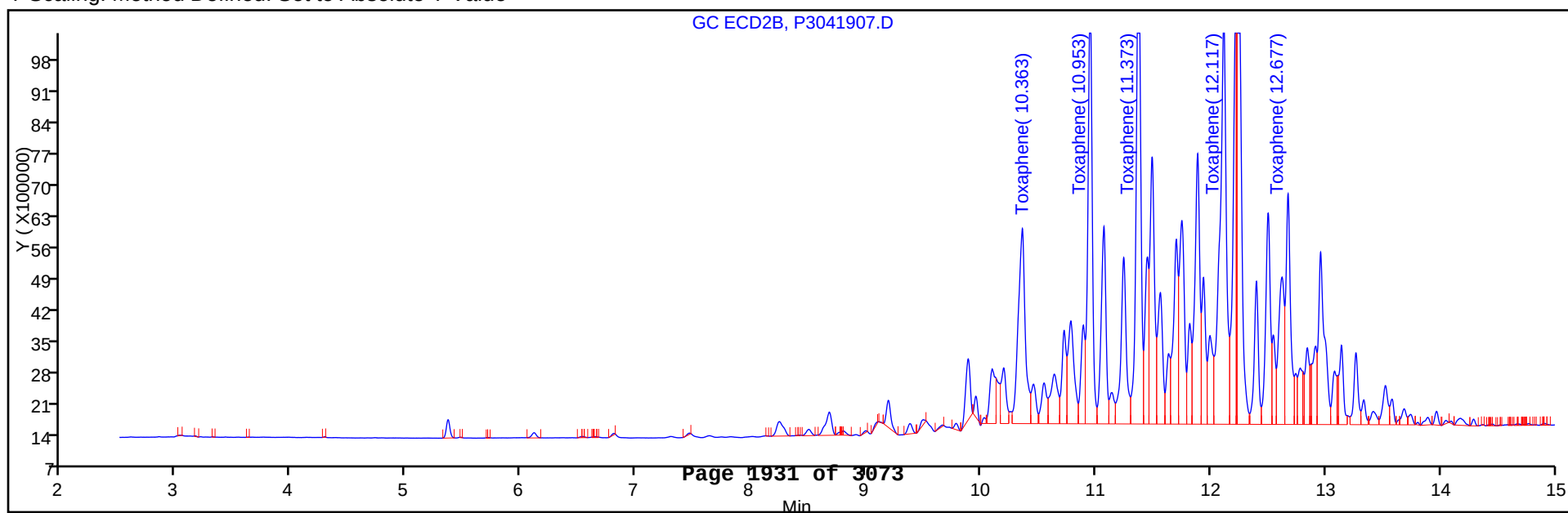
Column Type:

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\A2HP3\20130419-19054.b\P3041907.D

Injection Date: 19-Apr-2013 12:26:00

Limit Group: GC 8081 D0D ICAL

Client ID:

Instrument ID: A2HP3

Lims Batch ID: 82685

Lims Sample ID: 7

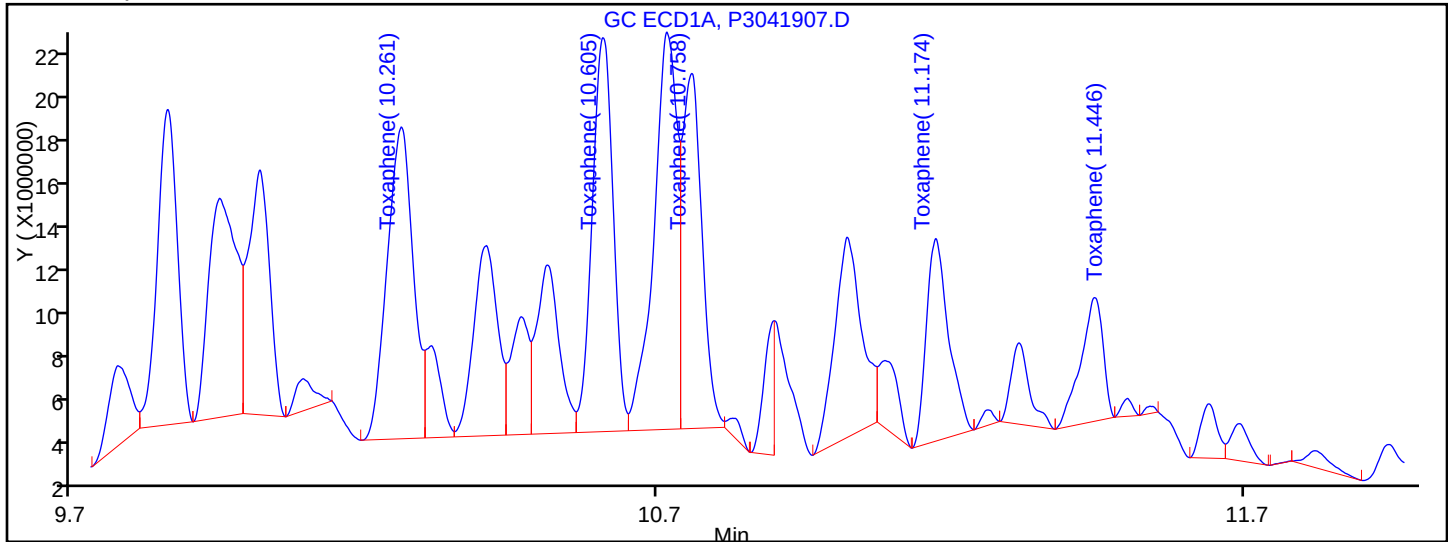
Operator ID: 402582

Injection Vol: 1.0 ul

Column Type:

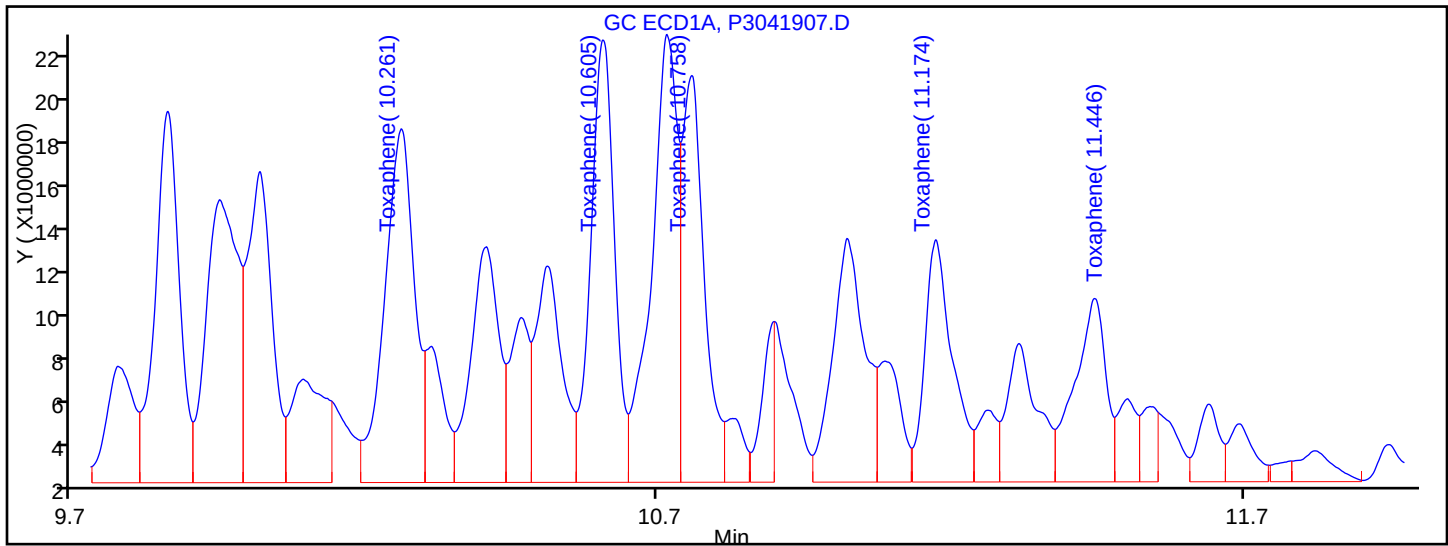
Column Dia:

30 Toxaphene, Detector: 1, GC ECD1A



Processing Integration Results

RT = 10.261	Response = 42448394	M
RT = 10.605	Response = 43350914	M
RT = 10.758	Response = 35733977	M
RT = 11.174	Response = 23496071	M
RT = 11.446	Response = 14390934	M



Manual Integration Results

RT = 10.261	Response = 55041979	M
RT = 10.605	Response = 55253781	M
RT = 10.758	Response = 46427649	M
RT = 11.174	Response = 35407081	M
RT = 11.446	Response = 30093343	M

Reviewer: shockr, 19-Apr-2013 13:09:14

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22852-1
SDG No.: _____
Lab Sample ID: CCV 240-82685/7 Calibration Date: 04/19/2013 12:26
Instrument ID: A2HP3 Calib Start Date: 03/14/2013 16:40
GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 03/14/2013 18:00
Lab File ID: P3041907.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Ave	16883134	18694020		1.11	1.00	10.7	20.0
Toxaphene Peak 2	Ave	21534081	25336076		1.18	1.00	17.7	20.0
Toxaphene Peak 3	Ave	26029451	30643672		1.18	1.00	17.7	20.0
Toxaphene Peak 4	Ave	30315481	35963611		1.19	1.00	18.6	20.0
Toxaphene Peak 5	Ave	12222975	14727358		1.20	1.00	20.5*	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22852-1
SDG No.: _____
Lab Sample ID: CCV 240-82685/7 Calibration Date: 04/19/2013 12:26
Instrument ID: A2HP3 Calib Start Date: 03/14/2013 16:40
GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 03/14/2013 18:00
Lab File ID: P3041907.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	10.36	10.33	10.39
Toxaphene Peak 2	10.95	10.92	10.98
Toxaphene Peak 3	11.37	11.34	11.40
Toxaphene Peak 4	12.12	12.09	12.15
Toxaphene Peak 5	12.68	12.65	12.71

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130419-19054.b\P3041907.D
 Lims ID: CCV TOX3 Client ID:
 Inject. Date: 19-Apr-2013 12:26:00 Dil. Factor: 1.0000
 Sample Type: CCV
 Sample ID: 240-0019054-007
 Misc. Info.:
 Operator: 402582 Instrument ID: A2HP3
 Injection Vol: 1.0 ul ALS Bottle#: 7
 Lims Batch ID: 82685 Lims Sample ID: 7
 Sublist: chrom-PEST3*sub5
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCChrom\ChromData\A2HP3\20130419-19054.b\PEST3.m
 Last Update: 20-Apr-2013 07:39:32 Calib Date: 16-Apr-2013 14:58:16
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCChrom\ChromData\A2HP3\20130416-18914.b\P3041609.D
 Limit Group: GC 8081 D0D ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK028

First Level Reviewer: shockr

Date: 19-Apr-2013 13:09:14

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	1	10.261	10.261	0.000	55041979	1.12		100.0	M
1	2	10.605	10.605	0.000	55253781	1.11	81.1- 121.1	100.4	M
1	3	10.758	10.758	0.000	46427649	1.13	65.0- 105.0	84.3	M
1	4	11.174	11.174	0.000	35407081	1.14	43.1- 83.1	64.3	M
1	5	11.446	11.446	0.000	30093343	1.15	32.5- 72.5	54.7	M
Average of Peak Amounts =						1.13			
2	100	10.363	10.363	0.000	18694020	1.11		100.0	M
2	2	10.953	10.953	0.000	25336076	1.18	108.3- 148.3	135.5	M
2	3	11.373	11.373	0.000	30643672	1.18	134.7- 174.7	163.9	M
2	4	12.117	12.117	0.000	35963611	1.19	157.2- 197.2	192.4	M
2	5	12.677	12.677	0.000	14727358	1.20	51.7- 91.7	78.8	M
Average of Peak Amounts =						1.17			
						RPD = 3.48			

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 20-Apr-2013 07:39:34

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP3\20130419-19054.b\P3041907.D

Injection Date: 19-Apr-2013 12:26:00

Limit Group: GC 8081 D0D ICAL

Client ID:

Instrument ID: A2HP3

Lims Batch ID: 82685

Lims Sample ID: 7

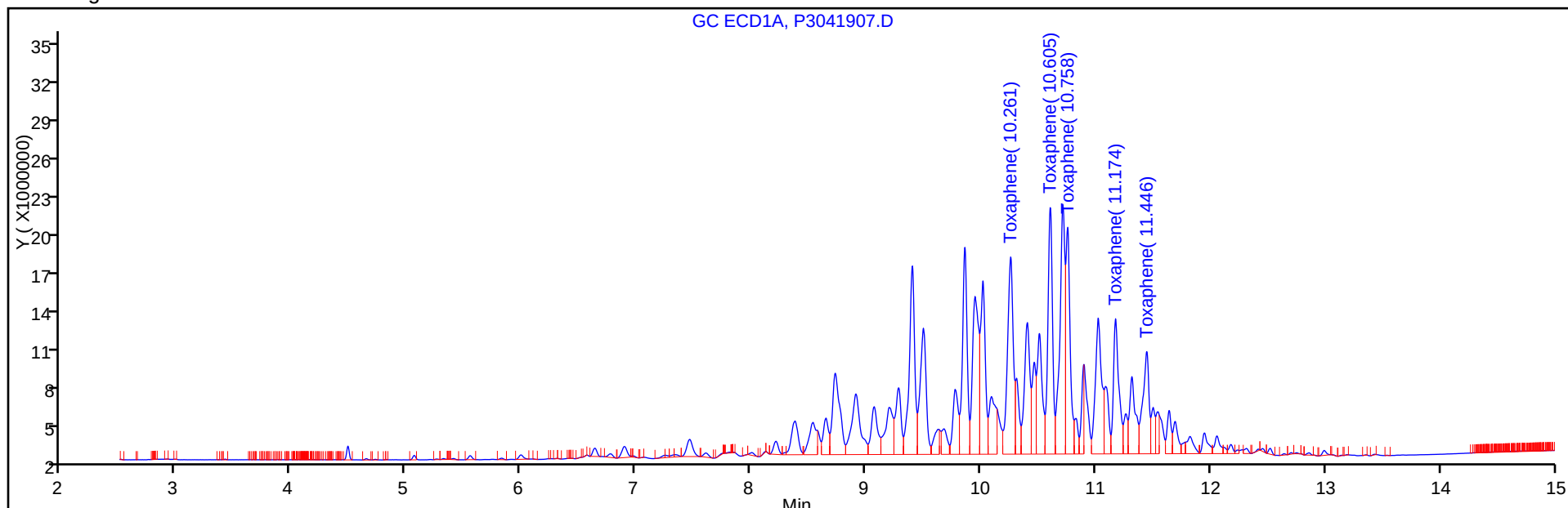
Operator ID: 402582

Injection Vol: 1.0 ul

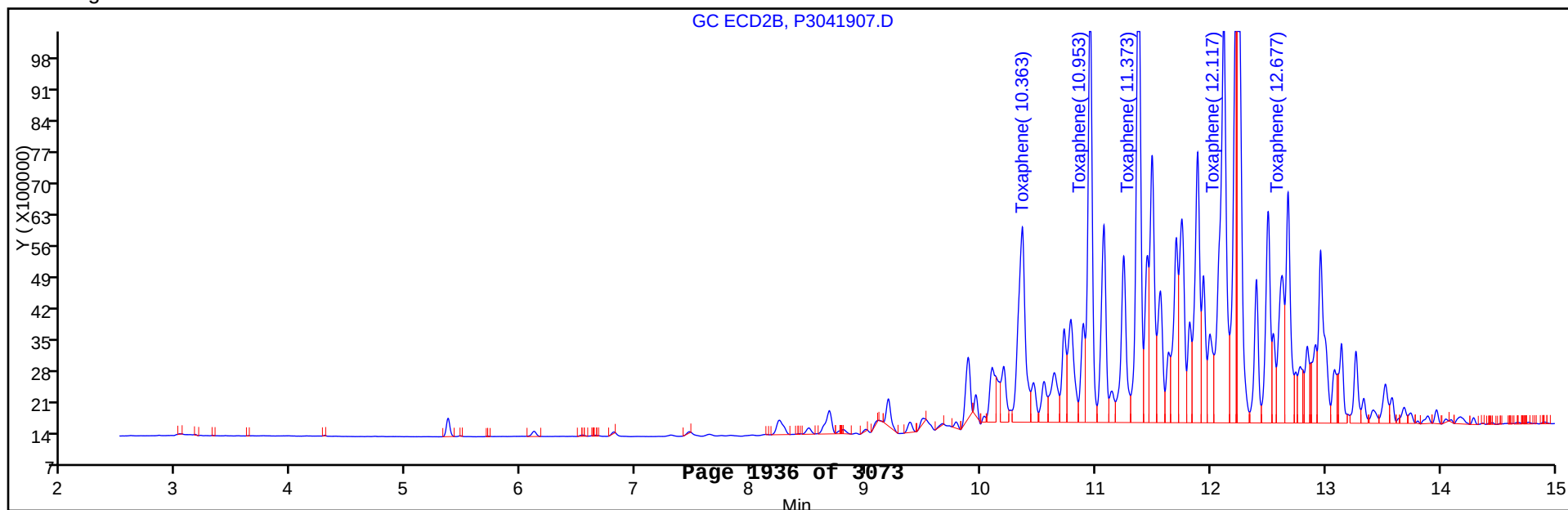
Column Type:

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\A2HP3\20130419-19054.b\P3041907.D

Injection Date: 19-Apr-2013 12:26:00

Limit Group: GC 8081 D0D ICAL

Client ID:

Instrument ID: A2HP3

Lims Batch ID: 82685

Lims Sample ID: 7

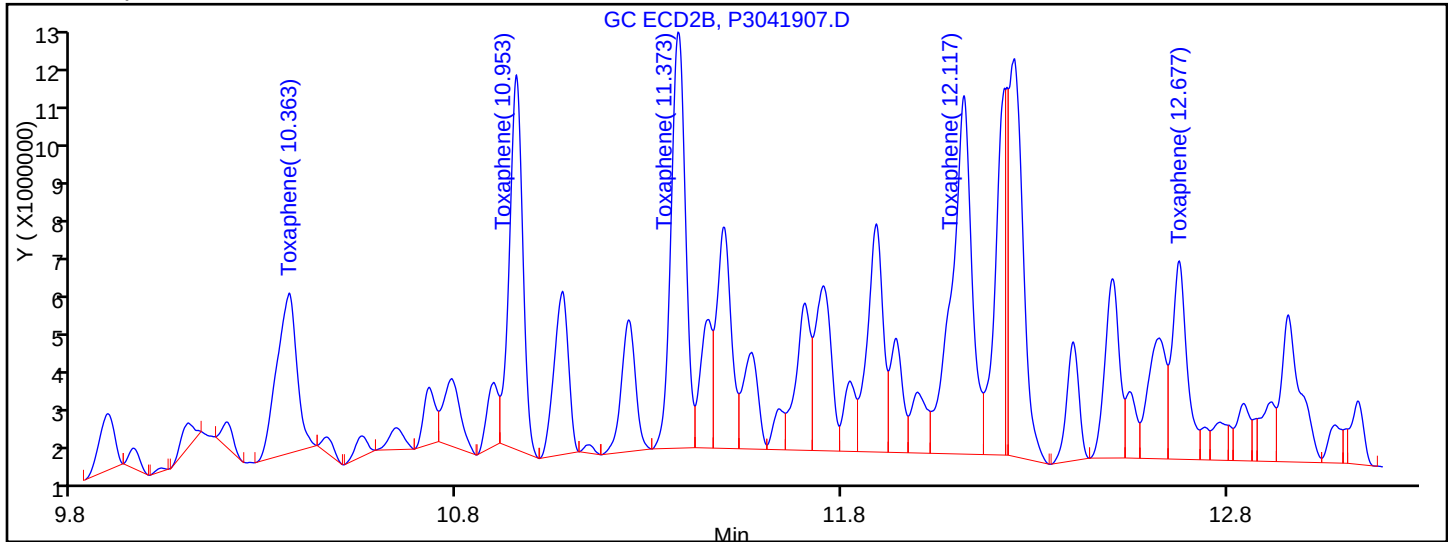
Operator ID: 402582

Injection Vol: 1.0 ul

Column Type:

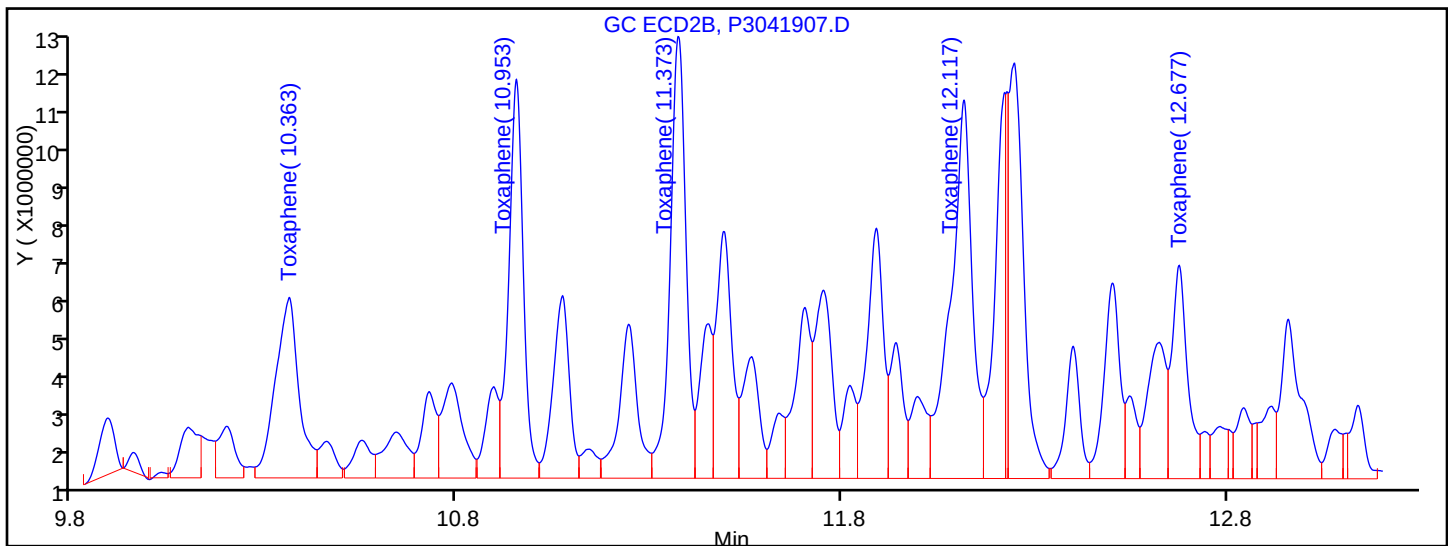
Column Dia:

30 Toxaphene, Detector: 2, GC ecd2b



Processing Integration Results

RT = 10.363	Response = 14126149	M
RT = 10.953	Response = 21936244	M
RT = 11.373	Response = 26458938	M
RT = 12.117	Response = 31904500	M
RT = 12.677	Response = 12916420	M



Manual Integration Results

RT = 10.363	Response = 18694020	M
RT = 10.953	Response = 25336076	M
RT = 11.373	Response = 30643672	M
RT = 12.117	Response = 35963611	M
RT = 12.677	Response = 14727358	M

Reviewer: shockr, 19-Apr-2013 13:09:14

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22852-1
SDG No.: _____
Lab Sample ID: CCV 240-82685/16 Calibration Date: 04/19/2013 15:57
Instrument ID: A2HP3 Calib Start Date: 03/14/2013 16:40
GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 03/14/2013 18:00
Lab File ID: P3041916.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Ave	48953063	40105354		0.819	1.00	-18.1	20.0
Toxaphene Peak 2	Ave	49795684	39634107		0.796	1.00	-20.4*	20.0
Toxaphene Peak 3	Ave	41014572	27386149		0.668	1.00	-33.2*	20.0
Toxaphene Peak 4	Ave	31176774	23333240		0.748	1.00	-25.2*	20.0
Toxaphene Peak 5	Ave	26157631	15401535		0.589	1.00	-41.1*	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22852-1
SDG No.: _____
Lab Sample ID: CCV 240-82685/16 Calibration Date: 04/19/2013 15:57
Instrument ID: A2HP3 Calib Start Date: 03/14/2013 16:40
GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 03/14/2013 18:00
Lab File ID: P3041916.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	10.26	10.23	10.29
Toxaphene Peak 2	10.61	10.58	10.64
Toxaphene Peak 3	10.76	10.73	10.79
Toxaphene Peak 4	11.18	11.15	11.21
Toxaphene Peak 5	11.46	11.43	11.49

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130419-19054.b\P3041916.D
 Lims ID: CCV TOX3 Client ID:
 Inject. Date: 19-Apr-2013 15:57:43 Dil. Factor: 1.0000
 Sample Type: CCV
 Sample ID: 240-0019054-016
 Misc. Info.:
 Operator: 402582 Instrument ID: A2HP3
 Injection Vol: 1.0 ul ALS Bottle#: 16
 Lims Batch ID: 82685 Lims Sample ID: 16
 Sublist: chrom-PEST3*sub5
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCChrom\ChromData\A2HP3\20130419-19054.b\PEST3.m
 Last Update: 20-Apr-2013 07:39:41 Calib Date: 16-Apr-2013 14:58:16
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCChrom\ChromData\A2HP3\20130416-18914.b\P3041609.D
 Limit Group: GC 8081 D0D ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK028

First Level Reviewer: shockr

Date: 19-Apr-2013 16:54:23

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	1	10.263	10.263	0.000	40105354	0.8193		100.0	M
1	2	10.612	10.612	0.000	39634107	0.7959	81.1- 121.1	98.8	M
1	3	10.761	10.761	0.000	27386149	0.6677	65.0- 105.0	68.3	M
1	4	11.182	11.182	0.000	23333240	0.7484	43.1- 83.1	58.2	M
1	5	11.457	11.457	0.000	15401535	0.5888	32.5- 72.5	38.4	M
Average of Peak Amounts =						0.7240			
2	100	10.335	10.335	0.000	17941793	1.06		100.0	M
2	2	10.928	10.928	0.000	22185851	1.03	108.3- 148.3	123.7	M
2	3	11.349	11.349	0.000	25750264	0.9893	134.7- 174.7	143.5	M
2	4	12.090	12.090	0.000	26155111	0.8628	157.2- 197.2	145.8	M
2	5	12.649	12.649	0.000	10340469	0.8460	51.7- 91.7	57.6	M
Average of Peak Amounts =						0.9582			
						RPD = 27.84			

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 20-Apr-2013 07:39:42

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP3\20130419-19054.b\P3041916.D

Injection Date: 19-Apr-2013 15:57:43

Limit Group: GC 8081 D0D ICAL

Client ID:

Instrument ID: A2HP3

Lims Batch ID: 82685

Lims Sample ID: 16

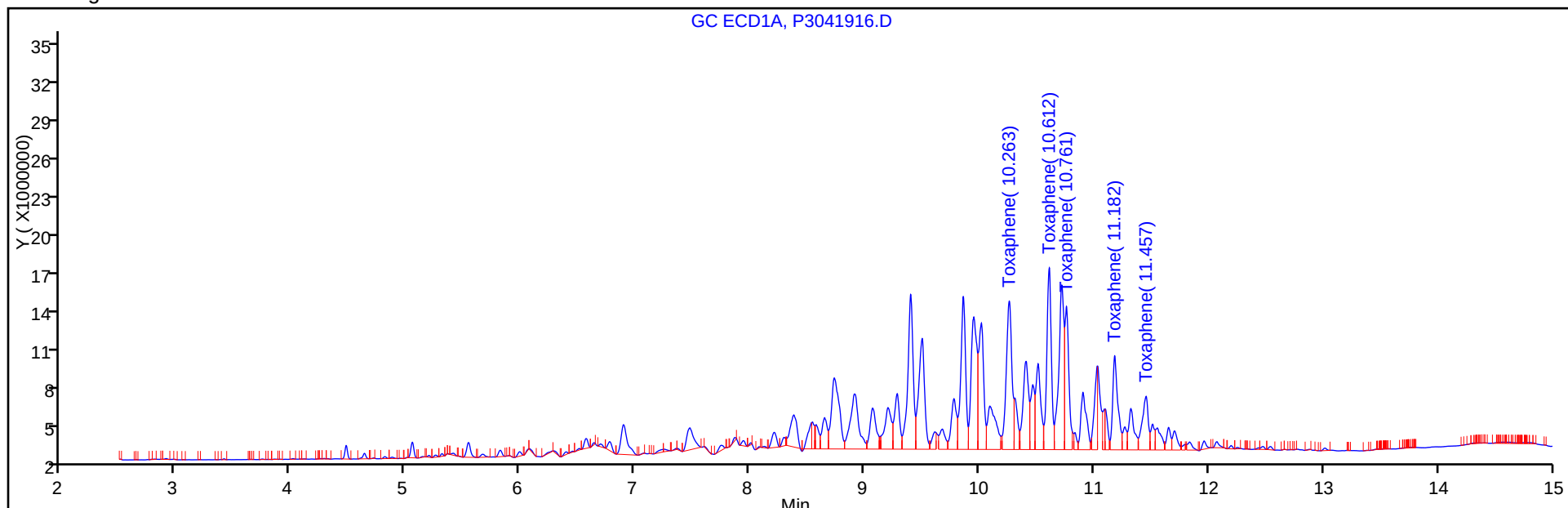
Operator ID: 402582

Injection Vol: 1.0 ul

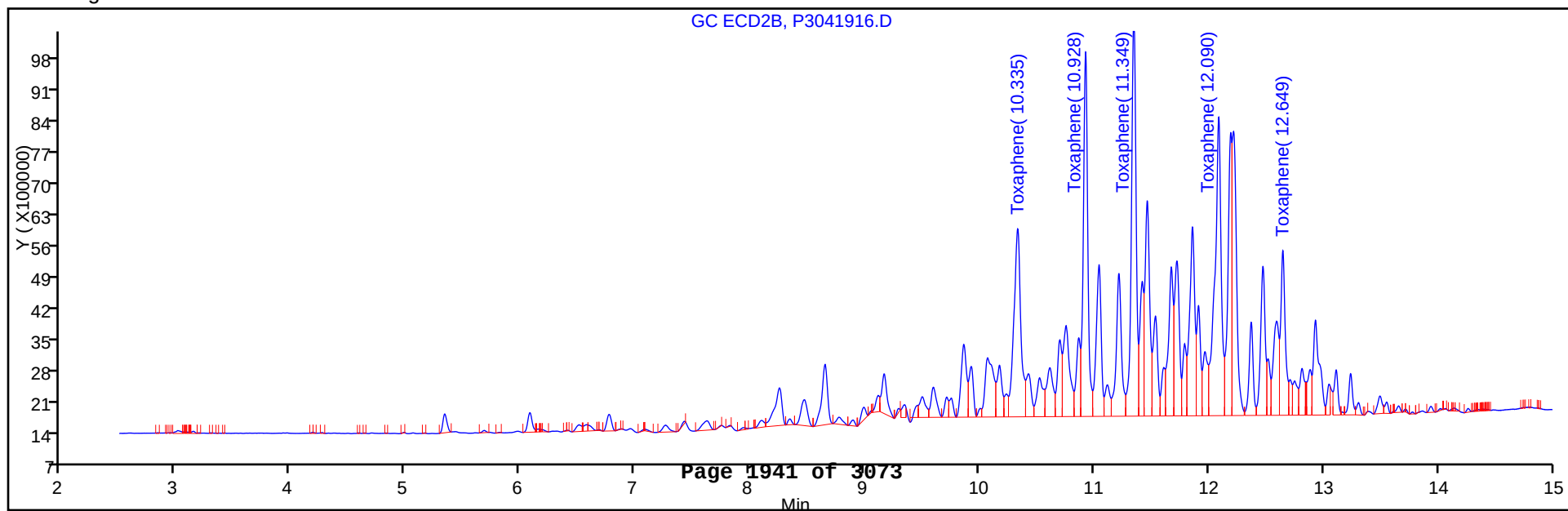
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP3\20130419-19054.b\P3041916.D

Injection Date: 19-Apr-2013 15:57:43

Limit Group: GC 8081 D0D ICAL

Client ID:

Instrument ID: A2HP3

Lims Batch ID: 82685

Lims Sample ID: 16

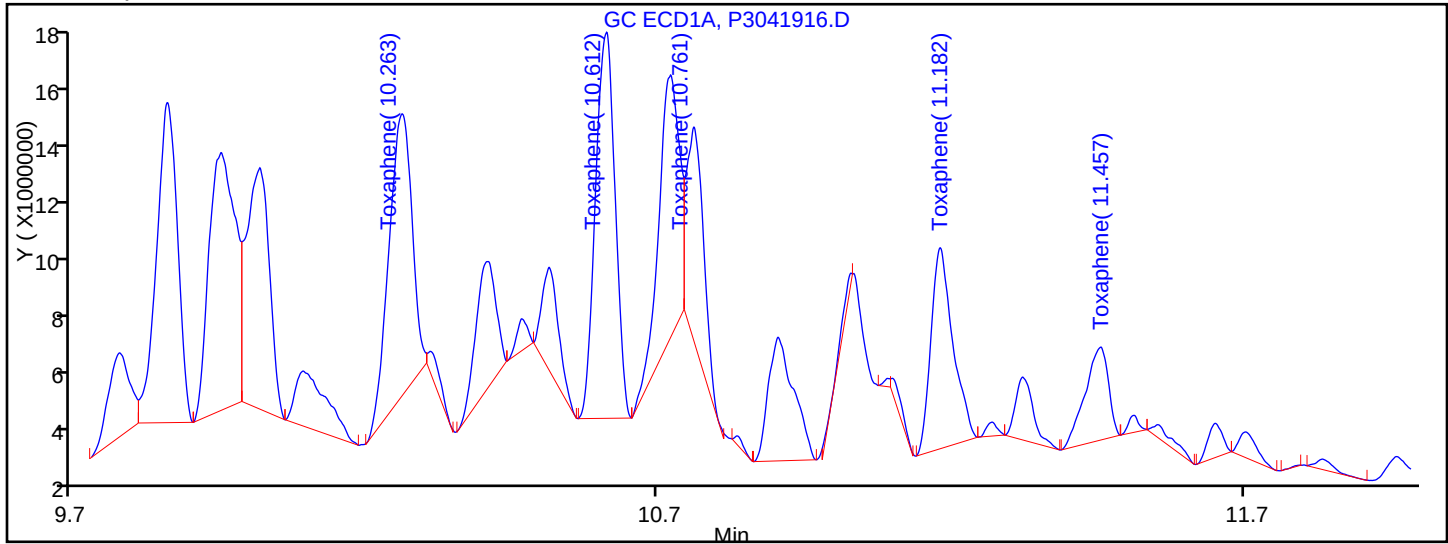
Operator ID: 402582

Injection Vol: 1.0 ul

Column Type:

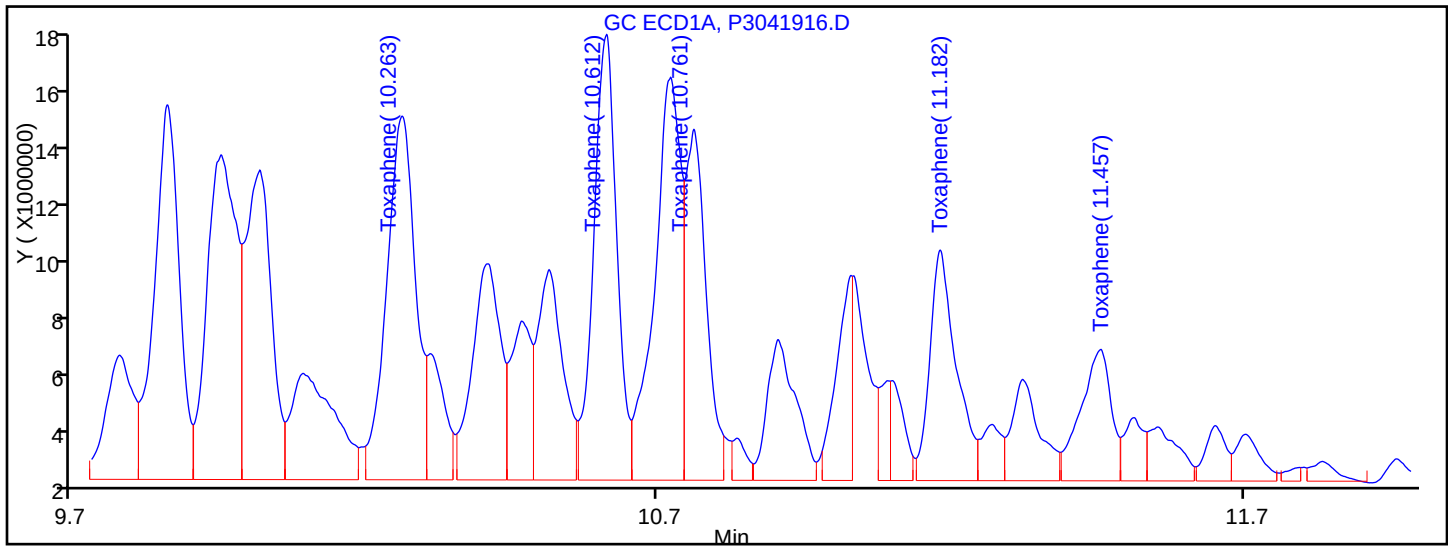
Column Dia:

30 Toxaphene, Detector: 1, GC ECD1A



Processing Integration Results

RT = 10.263	Response = 25245138	M
RT = 10.612	Response = 29188313	M
RT = 10.761	Response = 13809253	M
RT = 11.182	Response = 16900146	M
RT = 11.457	Response = 8388687	M



Manual Integration Results

RT = 10.263	Response = 40105354	M
RT = 10.612	Response = 39634107	M
RT = 10.761	Response = 27386149	M
RT = 11.182	Response = 23333240	M
RT = 11.457	Response = 15401535	M

Reviewer: shockr, 19-Apr-2013 16:54:23

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22852-1
SDG No.: _____
Lab Sample ID: CCV 240-82685/16 Calibration Date: 04/19/2013 15:57
Instrument ID: A2HP3 Calib Start Date: 03/14/2013 16:40
GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 03/14/2013 18:00
Lab File ID: P3041916.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Ave	16883134	17941793		1.06	1.00	6.3	20.0
Toxaphene Peak 2	Ave	21534081	22185851		1.03	1.00	3.0	20.0
Toxaphene Peak 3	Ave	26029451	25750264		0.989	1.00	-1.1	20.0
Toxaphene Peak 4	Ave	30315481	26155111		0.863	1.00	-13.7	20.0
Toxaphene Peak 5	Ave	12222975	10340469		0.846	1.00	-15.4	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22852-1
SDG No.: _____
Lab Sample ID: CCV 240-82685/16 Calibration Date: 04/19/2013 15:57
Instrument ID: A2HP3 Calib Start Date: 03/14/2013 16:40
GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 03/14/2013 18:00
Lab File ID: P3041916.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	10.34	10.31	10.37
Toxaphene Peak 2	10.93	10.90	10.96
Toxaphene Peak 3	11.35	11.32	11.38
Toxaphene Peak 4	12.09	12.06	12.12
Toxaphene Peak 5	12.65	12.62	12.68

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130419-19054.b\P3041916.D
 Lims ID: CCV TOX3 Client ID:
 Inject. Date: 19-Apr-2013 15:57:43 Dil. Factor: 1.0000
 Sample Type: CCV
 Sample ID: 240-0019054-016
 Misc. Info.:
 Operator: 402582 Instrument ID: A2HP3
 Injection Vol: 1.0 ul ALS Bottle#: 16
 Lims Batch ID: 82685 Lims Sample ID: 16
 Sublist: chrom-PEST3*sub5
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCChrom\ChromData\A2HP3\20130419-19054.b\PEST3.m
 Last Update: 20-Apr-2013 07:39:41 Calib Date: 16-Apr-2013 14:58:16
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCChrom\ChromData\A2HP3\20130416-18914.b\P3041609.D
 Limit Group: GC 8081 D0D ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK028

First Level Reviewer: shockr

Date: 19-Apr-2013 16:54:23

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	1	10.263	10.263	0.000	40105354	0.8193		100.0	M
1	2	10.612	10.612	0.000	39634107	0.7959	81.1- 121.1	98.8	M
1	3	10.761	10.761	0.000	27386149	0.6677	65.0- 105.0	68.3	M
1	4	11.182	11.182	0.000	23333240	0.7484	43.1- 83.1	58.2	M
1	5	11.457	11.457	0.000	15401535	0.5888	32.5- 72.5	38.4	M
Average of Peak Amounts =						0.7240			
2	100	10.335	10.335	0.000	17941793	1.06		100.0	M
2	2	10.928	10.928	0.000	22185851	1.03	108.3- 148.3	123.7	M
2	3	11.349	11.349	0.000	25750264	0.9893	134.7- 174.7	143.5	M
2	4	12.090	12.090	0.000	26155111	0.8628	157.2- 197.2	145.8	M
2	5	12.649	12.649	0.000	10340469	0.8460	51.7- 91.7	57.6	M
Average of Peak Amounts =						0.9582			
						RPD = 27.84			

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 20-Apr-2013 07:39:42

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP3\20130419-19054.b\P3041916.D

Injection Date: 19-Apr-2013 15:57:43

Limit Group: GC 8081 D0D ICAL

Client ID:

Instrument ID: A2HP3

Lims Batch ID: 82685

Lims Sample ID: 16

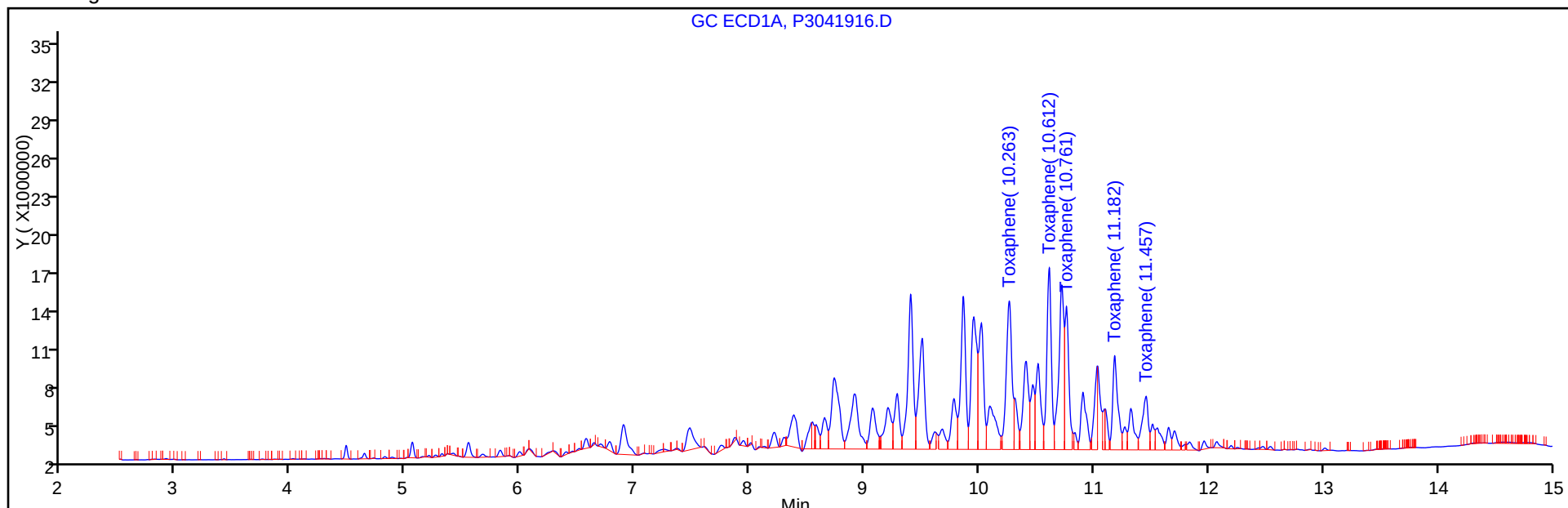
Operator ID: 402582

Injection Vol: 1.0 ul

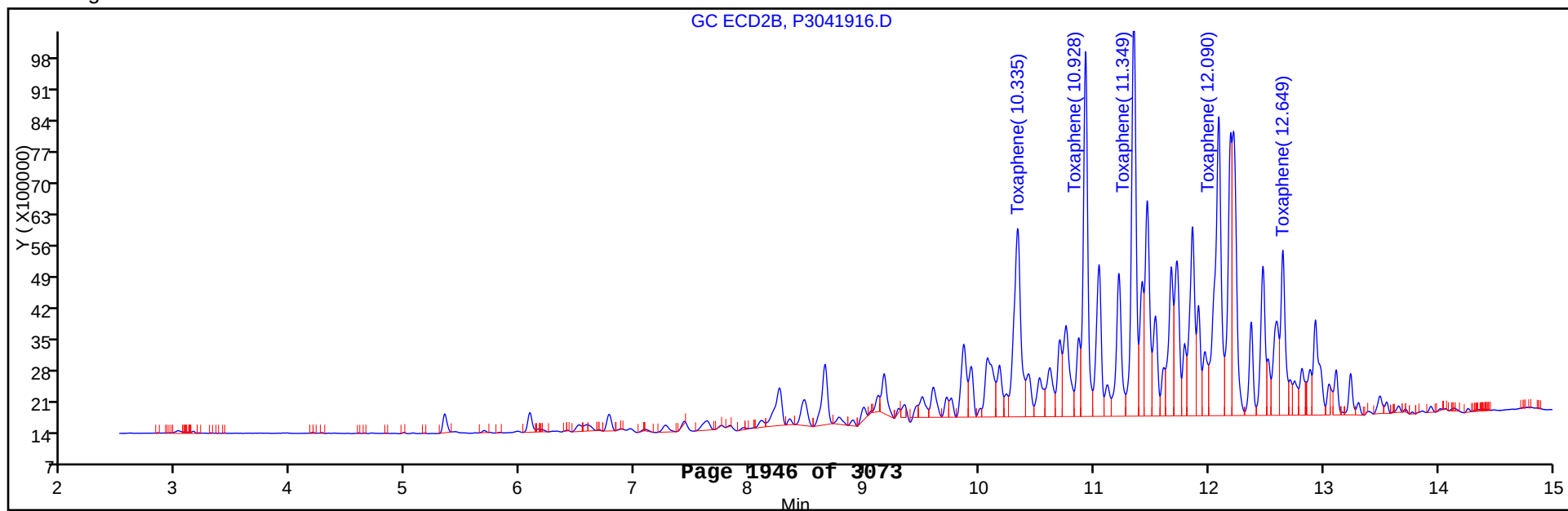
Column Type:

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\A2HP3\20130419-19054.b\P3041916.D

Injection Date: 19-Apr-2013 15:57:43

Limit Group: GC 8081 D0D ICAL

Client ID:

Instrument ID: A2HP3

Lims Batch ID: 82685

Lims Sample ID: 16

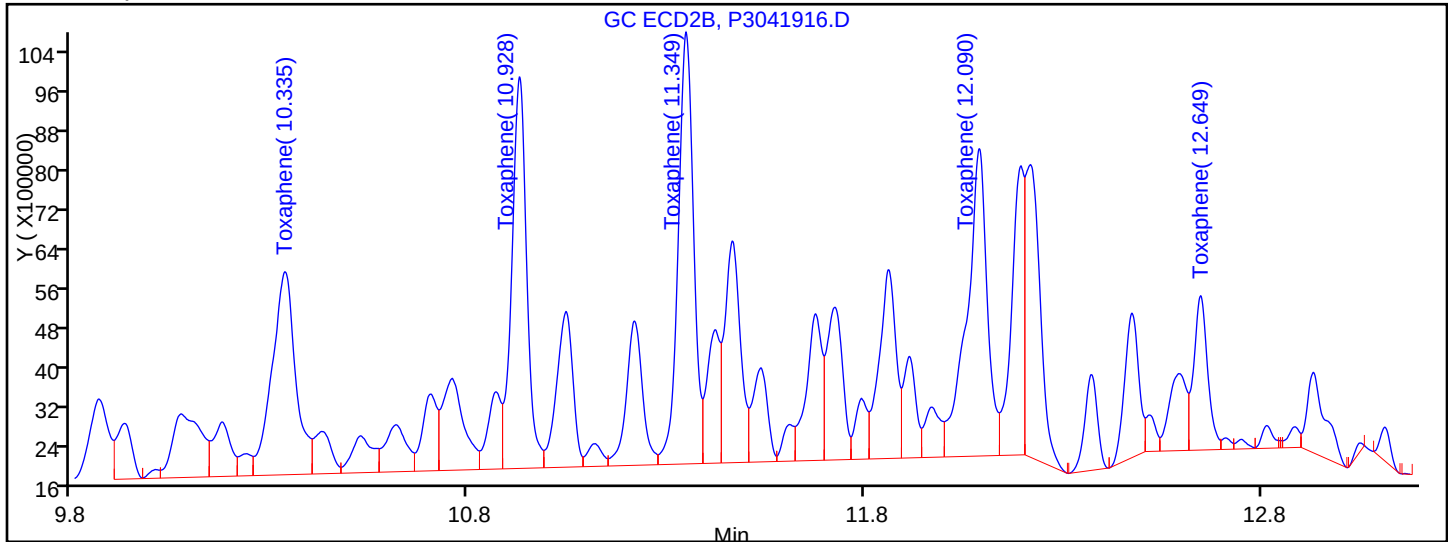
Operator ID: 402582

Injection Vol: 1.0 ul

Column Type:

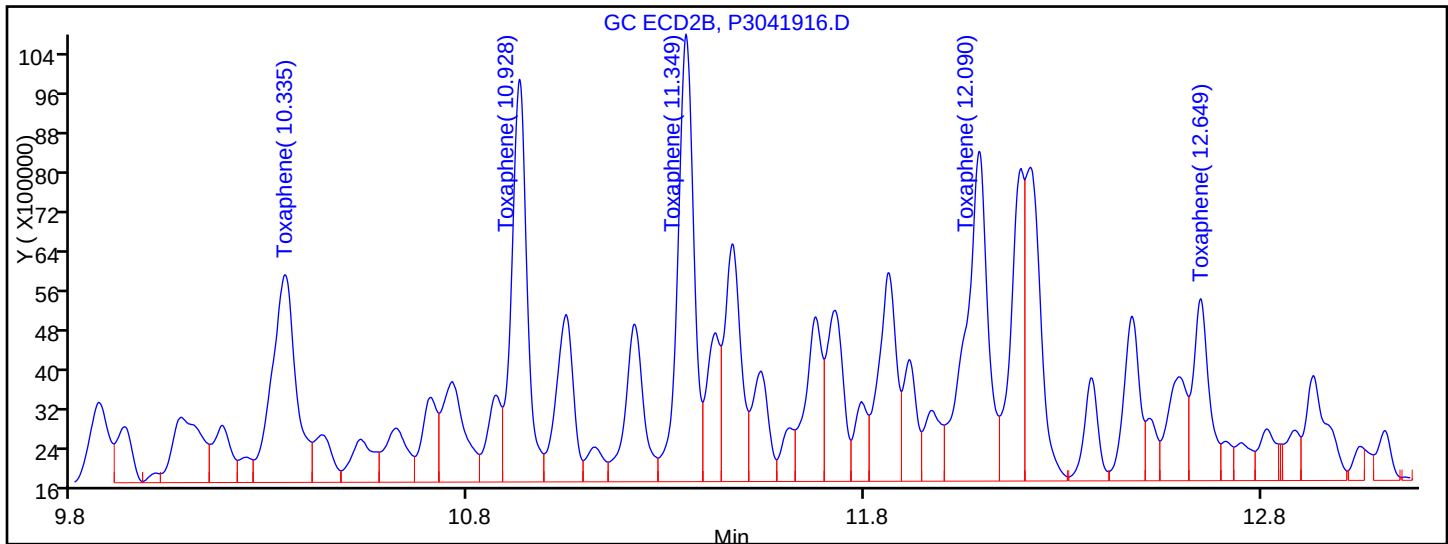
Column Dia:

30 Toxaphene, Detector: 2, GC ecd2b



Processing Integration Results

RT = 10.335	Response = 17204152	M
RT = 10.928	Response = 20902904	M
RT = 11.349	Response = 23808368	M
RT = 12.090	Response = 22527340	M
RT = 12.649	Response = 7656280	M



Manual Integration Results

RT = 10.335	Response = 17941793	M
RT = 10.928	Response = 22185851	M
RT = 11.349	Response = 25750264	M
RT = 12.090	Response = 26155111	M
RT = 12.649	Response = 10340469	M

Reviewer: shockr, 19-Apr-2013 16:54:23

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22852-1
 SDG No.: _____
 Lab Sample ID: CCV 240-82685/19 Calibration Date: 04/19/2013 16:58
 Instrument ID: A2HP3 Calib Start Date: 03/14/2013 14:20
 GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 03/14/2013 16:00
 Lab File ID: P3041919.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	1623707372	1708920880		0.0263	0.0250	5.2	20.0
gamma-BHC (Lindane)	Ave	1455203462	1538390480		0.0264	0.0250	5.7	20.0
beta-BHC	Ave	618486639	645633760		0.0261	0.0250	4.4	20.0
delta-BHC	Ave	1480196914	1593603680		0.0269	0.0250	7.7	20.0
Heptachlor	Ave	1288059053	1463943320		0.0284	0.0250	13.7	20.0
Aldrin	Ave	1359987606	1383983680		0.0254	0.0250	1.8	20.0
Heptachlor epoxide	Ave	1229987574	1305718280		0.0265	0.0250	6.2	20.0
gamma-Chlordane	Ave	1263492565	1318315800		0.0261	0.0250	4.3	20.0
alpha-Chlordane	Ave	1289702829	1349572480		0.0262	0.0250	4.6	20.0
Endosulfan I	Ave	1152636801	1233580600		0.0268	0.0250	7.0	20.0
4,4'-DDE	Ave	1266505227	1276667120		0.0252	0.0250	0.8	20.0
Dieldrin	Ave	1268423751	1322995120		0.0261	0.0250	4.3	20.0
Endrin	Ave	1189138903	1268125520		0.0267	0.0250	6.6	20.0
4,4'-DDD	Ave	970323691	1180256040		0.0304	0.0250	21.6*	20.0
Endosulfan II	Ave	1094573989	1152395360		0.0263	0.0250	5.3	20.0
4,4'-DDT	Ave	922210777	762120600		0.0207	0.0250	-17.4	20.0
Endrin aldehyde	Ave	880698493	937180400		0.0266	0.0250	6.4	20.0
Methoxychlor	Ave	461419504	450714640		0.0244	0.0250	-2.3	20.0
Endosulfan sulfate	Ave	981061458	1038852000		0.0265	0.0250	5.9	20.0
Endrin ketone	Ave	1144648217	1178308760		0.0257	0.0250	2.9	20.0
Tetrachloro-m-xylene	Ave	1100163513	1055328480		0.0240	0.0250	-4.1	20.0
DCB Decachlorobiphenyl	Ave	960238458	968051200		0.0252	0.0250	0.8	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22852-1
 SDG No.: _____
 Lab Sample ID: CCV 240-82685/19 Calibration Date: 04/19/2013 16:58
 Instrument ID: A2HP3 Calib Start Date: 03/14/2013 14:20
 GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 03/14/2013 16:00
 Lab File ID: P3041919.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.17	4.14	4.20
gamma-BHC (Lindane)	4.55	4.52	4.58
beta-BHC	4.69	4.66	4.72
delta-BHC	4.90	4.87	4.93
Heptachlor	5.19	5.16	5.22
Aldrin	5.64	5.61	5.67
Heptachlor epoxide	6.88	6.85	6.91
gamma-Chlordane	7.18	7.15	7.21
alpha-Chlordane	7.53	7.50	7.56
Endosulfan I	7.80	7.77	7.83
4,4'-DDE	7.91	7.88	7.94
Dieldrin	8.36	8.33	8.39
Endrin	8.82	8.79	8.85
4,4'-DDD	9.19	9.16	9.22
Endosulfan II	9.27	9.24	9.30
4,4'-DDT	9.71	9.68	9.74
Endrin aldehyde	10.08	10.05	10.11
Methoxychlor	10.67	10.64	10.70
Endosulfan sulfate	10.80	10.77	10.83
Endrin ketone	11.21	11.18	11.24
Tetrachloro-m-xylene	3.48	3.45	3.51
DCB Decachlorobiphenyl	12.85	12.82	12.88

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP3\20130419-19054.b\P3041919.D
 Lims ID: CCV AB3 Client ID:
 Inject. Date: 19-Apr-2013 16:58:15 Dil. Factor: 1.0000
 Sample Type: CCV
 Sample ID: 240-0019054-019
 Misc. Info.:
 Operator: 402582 Instrument ID: A2HP3
 Injection Vol: 1.0 ul ALS Bottle#: 19
 Lims Batch ID: 82685 Lims Sample ID: 19
 Sublist: chrom-PEST3*sub7
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCCChrom\ChromData\A2HP3\20130419-19054.b\PEST3.m
 Last Update: 20-Apr-2013 07:39:45 Calib Date: 16-Apr-2013 14:58:16
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP3\20130416-18914.b\P3041609.D
 Limit Group: GC 8081 D0D ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK028

First Level Reviewer: shockr

Date: 20-Apr-2013 07:08:46

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

\$ 29 Tetrachloro-m-xylene

1	100	3.481	3.481	0.000	26383212	0.0240			
2	100	4.076	4.076	0.000	13839253	0.0229			

RPD = 4.55

5 alpha-BHC

1	100	4.172	4.172	0.000	42723022	0.0263			
2	100	4.926	4.926	0.000	22036155	0.0286			

RPD = 8.41

20 gamma-BHC (Lindane)

1	100	4.552	4.552	0.000	38459762	0.0264			
2	100	5.506	5.506	0.000	19687632	0.0291			

RPD = 9.54

7 beta-BHC

1	100	4.686	4.686	0.000	16140844	0.0261			
2	100	5.691	5.691	0.000	8594392	0.0291			

RPD = 10.76

11 delta-BHC

1	100	4.902	4.902	0.000	39840092	0.0269			
2	100	6.271	6.271	0.000	20654788	0.0297			

RPD = 9.81

22 Heptachlor

1	100	5.187	5.187	0.000	36598583	0.0284			
2	100	6.335	6.335	0.000	17316684	0.0297			

RPD = 4.44

4 Aldrin

1	100	5.641	5.641	0.000	34599592	0.0254			
2	100	7.080	7.080	0.000	17963020	0.0270			

RPD = 5.83

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.876	6.876	0.000	32642957	0.0265			
2	100	8.580	8.580	0.000	16548259	0.0285			
						RPD = 7.01			
21 gamma-Chlordane									
1	100	7.181	7.181	0.000	32957895	0.0261			
2	100	8.986	8.986	0.000	16561336	0.0282			
						RPD = 7.91			
6 alpha-Chlordane									
1	100	7.531	7.531	0.000	33739312	0.0262			
2	100	9.296	9.296	0.000	16783293	0.0275			
						RPD = 4.99			
14 Endosulfan I									
1	100	7.804	7.804	0.000	30839515	0.0268			
2	100	9.362	9.362	0.000	15335972	0.0289			
						RPD = 7.58			
2 4,4'-DDE									
1	100	7.906	7.906	0.000	31916678	0.0252			
2	100	9.742	9.742	0.000	15791943	0.0259			
						RPD = 2.72			
13 Dieldrin									
1	100	8.364	8.364	0.000	33074878	0.0261			
2	100	9.889	9.889	0.000	16365360	0.0275			
						RPD = 5.44			
17 Endrin									
1	100	8.821	8.821	0.000	31703138	0.0267			
2	100	10.412	10.412	0.000	15806043	0.0295			
						RPD = 10.11			
1 4,4'-DDD									
1	100	9.186	9.186	0.000	29506401	0.0304			
2	100	10.751	10.751	0.000	14511323	0.0339			
						RPD = 10.98			
15 Endosulfan II									
1	100	9.273	9.273	0.000	28809884	0.0263			
2	100	10.784	10.784	0.000	14143377	0.0291			
						RPD = 10.14			
3 4,4'-DDT									
1	100	9.711	9.711	0.000	19053015	0.0207			
2	100	11.232	11.232	0.000	8359023	0.0211			
						RPD = 2.26			
18 Endrin aldehyde									
1	100	10.075	10.075	0.000	23429510	0.0266			
2	100	11.350	11.350	0.000	11563942	0.0293			
						RPD = 9.55			
27 Methoxychlor									
1	100	10.672	10.672	0.000	11267866	0.0244			
2	100	12.314	12.314	0.000	4910250	0.0246			
						RPD = 0.78			

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

16 Endosulfan sulfate

1	100	10.804	10.804	0.000	25971300	0.0265			
2	100	11.766	11.766	0.000	12964239	0.0293			
RPD = 10.19									

19 Endrin ketone

1	100	11.206	11.206	0.000	29457719	0.0257			
2	100	12.516	12.516	0.000	14178182	0.0283			
RPD = 9.39									

\$ 10 DCB Decachlorobiphenyl

1	100	12.850	12.850	0.000	24201280	0.0252			
2	100	14.229	14.229	0.000	12549761	0.0261			
RPD = 3.52									

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP3\20130419-19054.b\P3041919.D

Injection Date: 19-Apr-2013 16:58:15

Limit Group: GC 8081 D0D ICAL

Client ID:

Instrument ID: A2HP3

Lims Batch ID: 82685

Lims Sample ID: 19

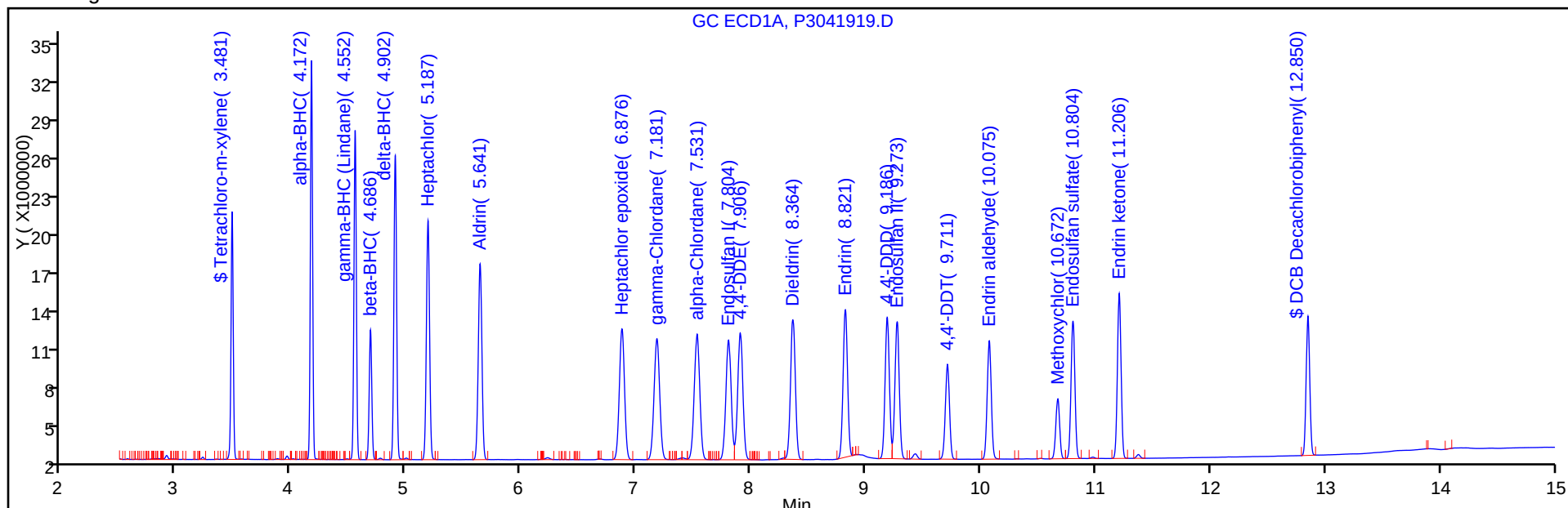
Operator ID: 402582

Injection Vol: 1.0 ul

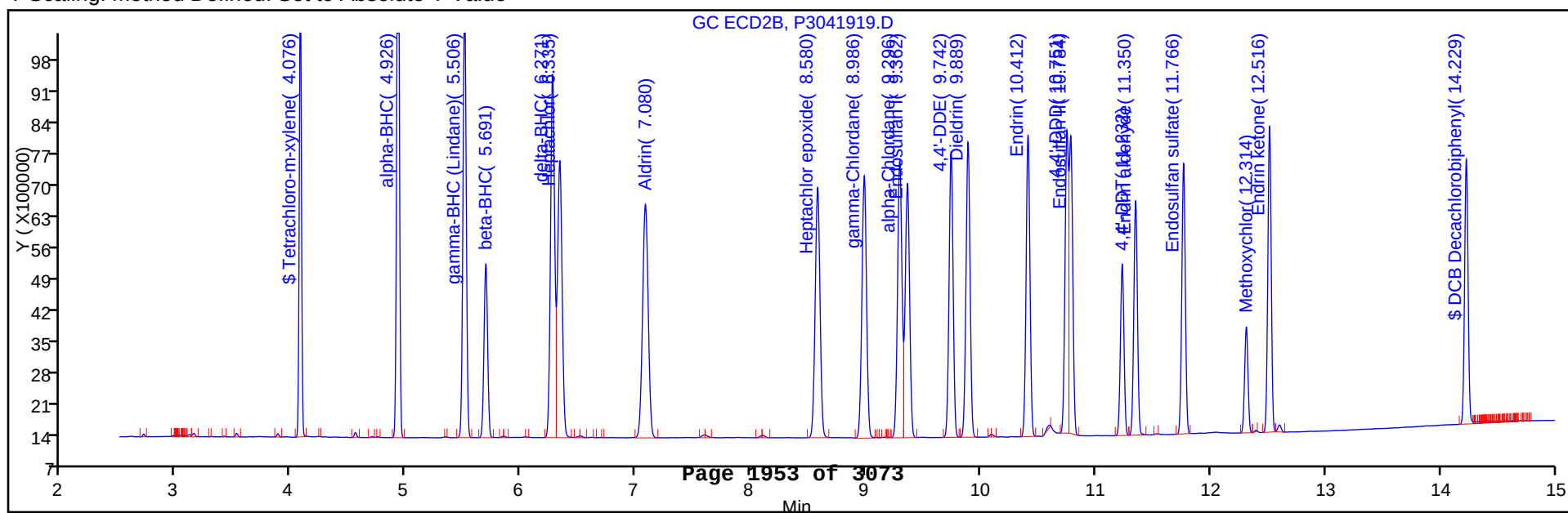
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22852-1
 SDG No.: _____
 Lab Sample ID: CCV 240-82685/19 Calibration Date: 04/19/2013 16:58
 Instrument ID: A2HP3 Calib Start Date: 03/14/2013 14:20
 GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 03/14/2013 16:00
 Lab File ID: P3041919.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	769922401	881446200		0.0286	0.0250	14.5	20.0
gamma-BHC (Lindane)	Ave	677058072	787505280		0.0291	0.0250	16.3	20.0
beta-BHC	Ave	295707343	343775680		0.0291	0.0250	16.3	20.0
delta-BHC	Ave	695621800	826191520		0.0297	0.0250	18.8	20.0
Heptachlor	Ave	582970513	692667360		0.0297	0.0250	18.8	20.0
Aldrin	Ave	666083583	718520800		0.0270	0.0250	7.9	20.0
Heptachlor epoxide	Ave	581320598	661930360		0.0285	0.0250	13.9	20.0
gamma-Chlordane	Ave	586604093	662453440		0.0282	0.0250	12.9	20.0
alpha-Chlordane	Ave	610326008	671331720		0.0275	0.0250	10.0	20.0
Endosulfan I	Ave	531325762	613438880		0.0289	0.0250	15.5	20.0
4,4'-DDE	Ave	609850598	631677720		0.0259	0.0250	3.6	20.0
Dieldrin	Ave	594383876	654614400		0.0275	0.0250	10.1	20.0
Endrin	Ave	535793583	632241720		0.0295	0.0250	18.0	20.0
4,4'-DDD	Ave	427546511	580452920		0.0339	0.0250	35.8*	20.0
Endosulfan II	Ave	485472127	565735080		0.0291	0.0250	16.5	20.0
4,4'-DDT	Ave	395546624	334360920		0.0211	0.0250	-15.5	20.0
Endrin aldehyde	Ave	395073591	462557680		0.0293	0.0250	17.1	20.0
Endosulfan sulfate	Ave	442236050	518569560		0.0293	0.0250	17.3	20.0
Methoxychlor	Ave	199518519	196410000		0.0246	0.0250	-1.6	20.0
Endrin ketone	Ave	501538938	567127280		0.0283	0.0250	13.1	20.0
Tetrachloro-m-xylene	Ave	603960426	553570120		0.0229	0.0250	-8.3	20.0
DCB Decachlorobiphenyl	Ave	480698861	501990440		0.0261	0.0250	4.4	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22852-1
 SDG No.: _____
 Lab Sample ID: CCV 240-82685/19 Calibration Date: 04/19/2013 16:58
 Instrument ID: A2HP3 Calib Start Date: 03/14/2013 14:20
 GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 03/14/2013 16:00
 Lab File ID: P3041919.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.93	4.90	4.96
gamma-BHC (Lindane)	5.51	5.48	5.54
beta-BHC	5.69	5.66	5.72
delta-BHC	6.27	6.24	6.30
Heptachlor	6.34	6.31	6.37
Aldrin	7.08	7.05	7.11
Heptachlor epoxide	8.58	8.55	8.61
gamma-Chlordane	8.99	8.96	9.02
alpha-Chlordane	9.30	9.27	9.33
Endosulfan I	9.36	9.33	9.39
4,4'-DDE	9.74	9.71	9.77
Dieldrin	9.89	9.86	9.92
Endrin	10.41	10.38	10.44
4,4'-DDD	10.75	10.72	10.78
Endosulfan II	10.78	10.75	10.81
4,4'-DDT	11.23	11.20	11.26
Endrin aldehyde	11.35	11.32	11.38
Endosulfan sulfate	11.77	11.74	11.80
Methoxychlor	12.31	12.28	12.34
Endrin ketone	12.52	12.49	12.55
Tetrachloro-m-xylene	4.08	4.05	4.11
DCB Decachlorobiphenyl	14.23	14.20	14.26

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP3\20130419-19054.b\P3041919.D
 Lims ID: CCV AB3 Client ID:
 Inject. Date: 19-Apr-2013 16:58:15 Dil. Factor: 1.0000
 Sample Type: CCV
 Sample ID: 240-0019054-019
 Misc. Info.:
 Operator: 402582 Instrument ID: A2HP3
 Injection Vol: 1.0 ul ALS Bottle#: 19
 Lims Batch ID: 82685 Lims Sample ID: 19
 Sublist: chrom-PEST3*sub7
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCCChrom\ChromData\A2HP3\20130419-19054.b\PEST3.m
 Last Update: 20-Apr-2013 07:39:45 Calib Date: 16-Apr-2013 14:58:16
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP3\20130416-18914.b\P3041609.D
 Limit Group: GC 8081 D0D ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK028

First Level Reviewer: shockr

Date: 20-Apr-2013 07:08:46

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

\$ 29 Tetrachloro-m-xylene

1	100	3.481	3.481	0.000	26383212	0.0240			
2	100	4.076	4.076	0.000	13839253	0.0229			

RPD = 4.55

5 alpha-BHC

1	100	4.172	4.172	0.000	42723022	0.0263			
2	100	4.926	4.926	0.000	22036155	0.0286			

RPD = 8.41

20 gamma-BHC (Lindane)

1	100	4.552	4.552	0.000	38459762	0.0264			
2	100	5.506	5.506	0.000	19687632	0.0291			

RPD = 9.54

7 beta-BHC

1	100	4.686	4.686	0.000	16140844	0.0261			
2	100	5.691	5.691	0.000	8594392	0.0291			

RPD = 10.76

11 delta-BHC

1	100	4.902	4.902	0.000	39840092	0.0269			
2	100	6.271	6.271	0.000	20654788	0.0297			

RPD = 9.81

22 Heptachlor

1	100	5.187	5.187	0.000	36598583	0.0284			
2	100	6.335	6.335	0.000	17316684	0.0297			

RPD = 4.44

4 Aldrin

1	100	5.641	5.641	0.000	34599592	0.0254			
2	100	7.080	7.080	0.000	17963020	0.0270			

RPD = 5.83

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.876	6.876	0.000	32642957	0.0265			
2	100	8.580	8.580	0.000	16548259	0.0285			
						RPD = 7.01			
21 gamma-Chlordane									
1	100	7.181	7.181	0.000	32957895	0.0261			
2	100	8.986	8.986	0.000	16561336	0.0282			
						RPD = 7.91			
6 alpha-Chlordane									
1	100	7.531	7.531	0.000	33739312	0.0262			
2	100	9.296	9.296	0.000	16783293	0.0275			
						RPD = 4.99			
14 Endosulfan I									
1	100	7.804	7.804	0.000	30839515	0.0268			
2	100	9.362	9.362	0.000	15335972	0.0289			
						RPD = 7.58			
2 4,4'-DDE									
1	100	7.906	7.906	0.000	31916678	0.0252			
2	100	9.742	9.742	0.000	15791943	0.0259			
						RPD = 2.72			
13 Dieldrin									
1	100	8.364	8.364	0.000	33074878	0.0261			
2	100	9.889	9.889	0.000	16365360	0.0275			
						RPD = 5.44			
17 Endrin									
1	100	8.821	8.821	0.000	31703138	0.0267			
2	100	10.412	10.412	0.000	15806043	0.0295			
						RPD = 10.11			
1 4,4'-DDD									
1	100	9.186	9.186	0.000	29506401	0.0304			
2	100	10.751	10.751	0.000	14511323	0.0339			
						RPD = 10.98			
15 Endosulfan II									
1	100	9.273	9.273	0.000	28809884	0.0263			
2	100	10.784	10.784	0.000	14143377	0.0291			
						RPD = 10.14			
3 4,4'-DDT									
1	100	9.711	9.711	0.000	19053015	0.0207			
2	100	11.232	11.232	0.000	8359023	0.0211			
						RPD = 2.26			
18 Endrin aldehyde									
1	100	10.075	10.075	0.000	23429510	0.0266			
2	100	11.350	11.350	0.000	11563942	0.0293			
						RPD = 9.55			
27 Methoxychlor									
1	100	10.672	10.672	0.000	11267866	0.0244			
2	100	12.314	12.314	0.000	4910250	0.0246			
						RPD = 0.78			

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

16 Endosulfan sulfate

1	100	10.804	10.804	0.000	25971300	0.0265			
2	100	11.766	11.766	0.000	12964239	0.0293			
RPD = 10.19									

19 Endrin ketone

1	100	11.206	11.206	0.000	29457719	0.0257			
2	100	12.516	12.516	0.000	14178182	0.0283			
RPD = 9.39									

\$ 10 DCB Decachlorobiphenyl

1	100	12.850	12.850	0.000	24201280	0.0252			
2	100	14.229	14.229	0.000	12549761	0.0261			
RPD = 3.52									

Report Date: 20-Apr-2013 07:39:45

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP3\20130419-19054.b\P3041919.D

Injection Date: 19-Apr-2013 16:58:15

Limit Group: GC 8081 D0D ICAL

Client ID:

Instrument ID: A2HP3

Lims Batch ID: 82685

Lims Sample ID: 19

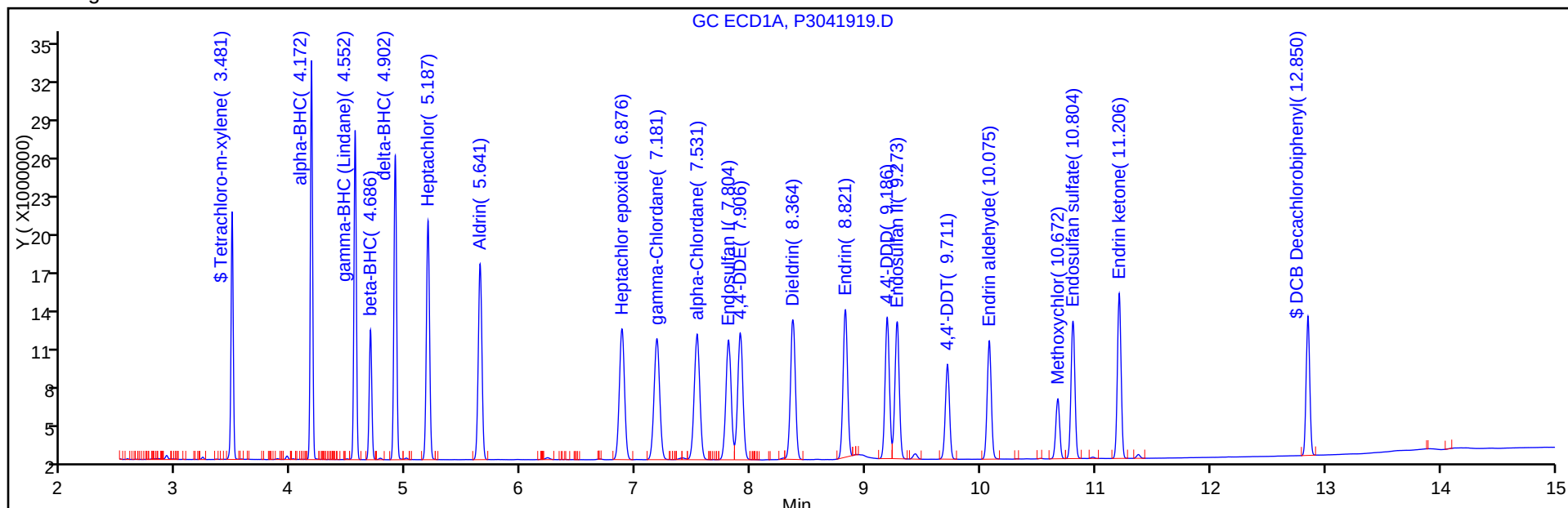
Operator ID: 402582

Injection Vol: 1.0 ul

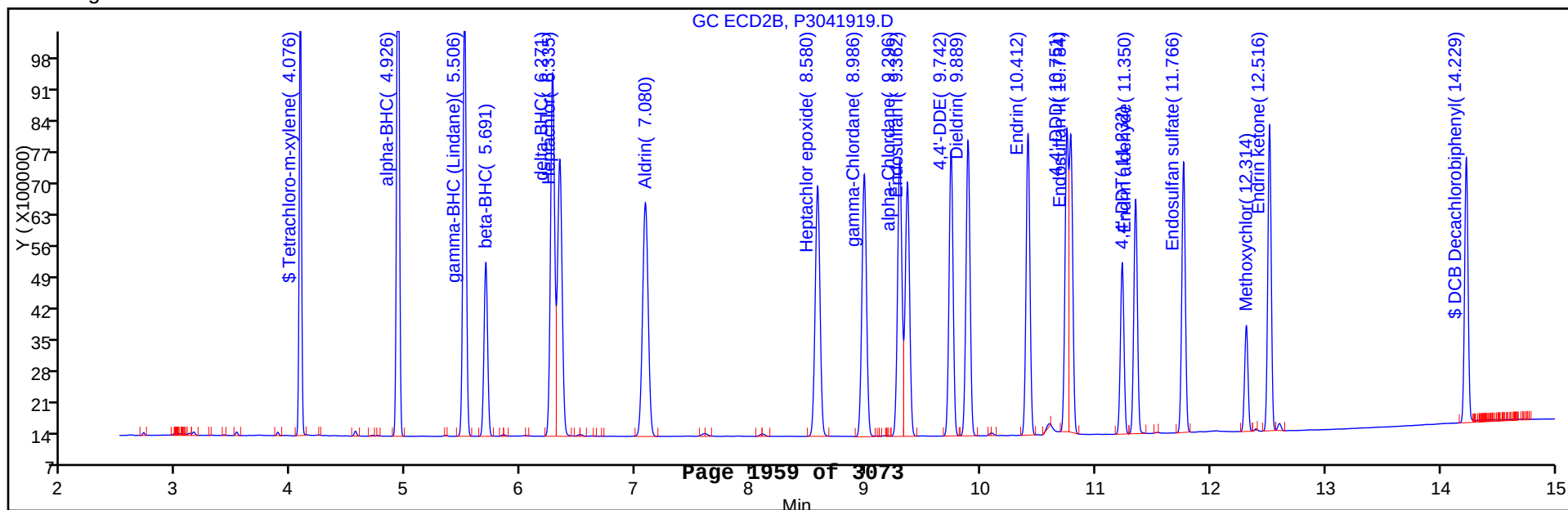
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22852-1
 SDG No.: _____
 Lab Sample ID: CCV 240-82857/5 Calibration Date: 04/20/2013 14:22
 Instrument ID: A2HP3 Calib Start Date: 03/14/2013 14:20
 GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 03/14/2013 16:00
 Lab File ID: P3042005.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	1623707372	1452774080		0.0224	0.0250	-10.5	20.0
gamma-BHC (Lindane)	Ave	1455203462	1231019720		0.0211	0.0250	-15.4	20.0
beta-BHC	Ave	618486639	532458920		0.0215	0.0250	-13.9	20.0
delta-BHC	Ave	1480196914	1275005240		0.0215	0.0250	-13.9	20.0
Heptachlor	Ave	1288059053	1027747240		0.0199	0.0250	-20.2*	20.0
Aldrin	Ave	1359987606	1212822640		0.0223	0.0250	-10.8	20.0
Heptachlor epoxide	Ave	1229987574	1053630520		0.0214	0.0250	-14.3	20.0
gamma-Chlordane	Ave	1263492565	1043915640		0.0207	0.0250	-17.4	20.0
alpha-Chlordane	Ave	1289702829	1106790400		0.0215	0.0250	-14.2	20.0
Endosulfan I	Ave	1152636801	949849800		0.0206	0.0250	-17.6	20.0
4,4'-DDE	Ave	1266505227	1148079680		0.0227	0.0250	-9.4	20.0
Dieldrin	Ave	1268423751	1090361160		0.0215	0.0250	-14.0	20.0
Endrin	Ave	1189138903	968297000		0.0204	0.0250	-18.6	20.0
4,4'-DDD	Ave	970323691	791976320		0.0204	0.0250	-18.4	20.0
Endosulfan II	Ave	1094573989	875664600		0.0200	0.0250	-20.0	20.0
4,4'-DDT	Ave	922210777	721657000		0.0196	0.0250	-21.7*	20.0
Endrin aldehyde	Ave	880698493	650845080		0.0185	0.0250	-26.1*	20.0
Methoxychlor	Ave	461419504	372980080		0.0202	0.0250	-19.2	20.0
Endosulfan sulfate	Ave	981061458	843676200		0.0215	0.0250	-14.0	20.0
Endrin ketone	Ave	1144648217	909696360		0.0199	0.0250	-20.5*	20.0
Tetrachloro-m-xylene	Ave	1100163513	1035867160		0.0235	0.0250	-5.8	20.0
DCB Decachlorobiphenyl	Ave	960238458	948607440		0.0247	0.0250	-1.2	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22852-1
 SDG No.: _____
 Lab Sample ID: CCV 240-82857/5 Calibration Date: 04/20/2013 14:22
 Instrument ID: A2HP3 Calib Start Date: 03/14/2013 14:20
 GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 03/14/2013 16:00
 Lab File ID: P3042005.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.16	4.13	4.19
gamma-BHC (Lindane)	4.54	4.51	4.57
beta-BHC	4.67	4.64	4.70
delta-BHC	4.89	4.86	4.92
Heptachlor	5.17	5.14	5.20
Aldrin	5.62	5.59	5.65
Heptachlor epoxide	6.84	6.81	6.87
gamma-Chlordane	7.14	7.11	7.17
alpha-Chlordane	7.49	7.46	7.52
Endosulfan I	7.76	7.73	7.79
4,4'-DDE	7.87	7.84	7.90
Dieldrin	8.33	8.30	8.36
Endrin	8.79	8.76	8.82
4,4'-DDD	9.15	9.12	9.18
Endosulfan II	9.24	9.21	9.27
4,4'-DDT	9.68	9.65	9.71
Endrin aldehyde	10.04	10.01	10.07
Methoxychlor	10.64	10.61	10.67
Endosulfan sulfate	10.77	10.74	10.80
Endrin ketone	11.17	11.14	11.20
Tetrachloro-m-xylene	3.47	3.44	3.50
DCB Decachlorobiphenyl	12.79	12.76	12.82

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP3\20130420-19105.b\P3042005.D
 Lims ID: CCV AB3 Client ID:
 Inject. Date: 20-Apr-2013 14:22:38 Dil. Factor: 1.0000
 Sample Type: CCVRT
 Sample ID: 240-0019105-005
 Misc. Info.:
 Operator: 402582 Instrument ID: A2HP3
 Injection Vol: 1.0 ul ALS Bottle#: 5
 Lims Batch ID: 82857 Lims Sample ID: 5
 Sublist: chrom-PEST3*sub7
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCCChrom\ChromData\A2HP3\20130420-19105.b\PEST3.m
 Last Update: 22-Apr-2013 10:30:54 Calib Date: 16-Apr-2013 14:58:16
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP3\20130416-18914.b\P3041609.D
 Limit Group: GC 8081 D0D ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK028

First Level Reviewer: shockr

Date: 22-Apr-2013 09:18:03

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

\$ 29 Tetrachloro-m-xylene

1	100	3.474	3.474	0.000	25896679	0.0235			
2	100	4.070	4.070	0.000	13539697	0.0224			

RPD = 4.88

5 alpha-BHC

1	100	4.164	4.164	0.000	36319352	0.0224			
2	100	4.924	4.924	0.000	18377771	0.0239			

RPD = 6.49

20 gamma-BHC (Lindane)

1	100	4.541	4.541	0.000	30775493	0.0211			
2	100	5.506	5.506	0.000	15473466	0.0229			

RPD = 7.75

7 beta-BHC

1	100	4.674	4.674	0.000	13311473	0.0215			
2	100	5.692	5.692	0.000	7019744	0.0237			

RPD = 9.79

11 delta-BHC

1	100	4.887	4.887	0.000	31875131	0.0215			
2	100	6.275	6.275	0.000	16140803	0.0232			

RPD = 7.46

22 Heptachlor

1	100	5.169	5.169	0.000	25693681	0.0199			
2	100	6.337	6.337	0.000	12283319	0.0211			

RPD = 5.47

4 Aldrin

1	100	5.616	5.616	0.000	30320566	0.0223			
2	100	7.084	7.084	0.000	15365663	0.0231			

RPD = 3.41

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.835	6.835	0.000	26340763	0.0214			
2	100	8.584	8.584	0.000	13409421	0.0231			
						RPD = 7.43			
21 gamma-Chlordane									
1	100	7.138	7.138	0.000	26097891	0.0207			
2	100	8.988	8.988	0.000	13176264	0.0225			
						RPD = 8.38			
6 alpha-Chlordane									
1	100	7.486	7.486	0.000	27669760	0.0215			
2	100	9.297	9.297	0.000	13690552	0.0224			
						RPD = 4.45			
14 Endosulfan I									
1	100	7.763	7.763	0.000	23746245	0.0206			
2	100	9.364	9.364	0.000	11678310	0.0220			
						RPD = 6.47			
2 4,4'-DDE									
1	100	7.866	7.866	0.000	28701992	0.0227			
2	100	9.744	9.744	0.000	14043124	0.0230			
						RPD = 1.60			
13 Dieldrin									
1	100	8.326	8.326	0.000	27259029	0.0215			
2	100	9.892	9.892	0.000	13312616	0.0224			
						RPD = 4.13			
17 Endrin									
1	100	8.785	8.785	0.000	24207425	0.0204			
2	100	10.414	10.414	0.000	11704770	0.0218			
						RPD = 7.05			
1 4,4'-DDD									
1	100	9.153	9.153	0.000	19799408	0.0204			
2	100	10.754	10.754	0.000	9474397	0.0222			
						RPD = 8.25			
15 Endosulfan II									
1	100	9.238	9.238	0.000	21891615	0.0200			
2	100	10.785	10.785	0.000	11153280	0.0230			
						RPD = 13.84			
3 4,4'-DDT									
1	100	9.677	9.677	0.000	18041425	0.0196			
2	100	11.236	11.236	0.000	7953879	0.0201			
						RPD = 2.75			
18 Endrin aldehyde									
1	100	10.041	10.041	0.000	16271127	0.0185			
2	100	11.354	11.354	0.000	7949606	0.0201			
						RPD = 8.53			
27 Methoxychlor									
1	100	10.640	10.640	0.000	9324502	0.0202			
2	100	12.321	12.321	0.000	4158697	0.0208			
						RPD = 3.10			

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

16 Endosulfan sulfate

1	100	10.772	10.772	0.000	21091905	0.0215			
2	100	11.772	11.772	0.000	10368091	0.0234			

RPD = 8.66

19 Endrin ketone

1	100	11.174	11.174	0.000	22742409	0.0199			
2	100	12.523	12.523	0.000	10896623	0.0217			

RPD = 8.93

\$ 10 DCB Decachlorobiphenyl

1	100	12.794	12.794	0.000	23715186	0.0247			
2	100	14.245	14.245	0.000	11905266	0.0248			

RPD = 0.28

Report Date: 22-Apr-2013 10:30:54

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP3\20130420-19105.b\P3042005.D

Injection Date: 20-Apr-2013 14:22:38

Limit Group: GC 8081 D0D ICAL

Client ID:

Instrument ID: A2HP3

Lims Batch ID: 82857

Lims Sample ID: 5

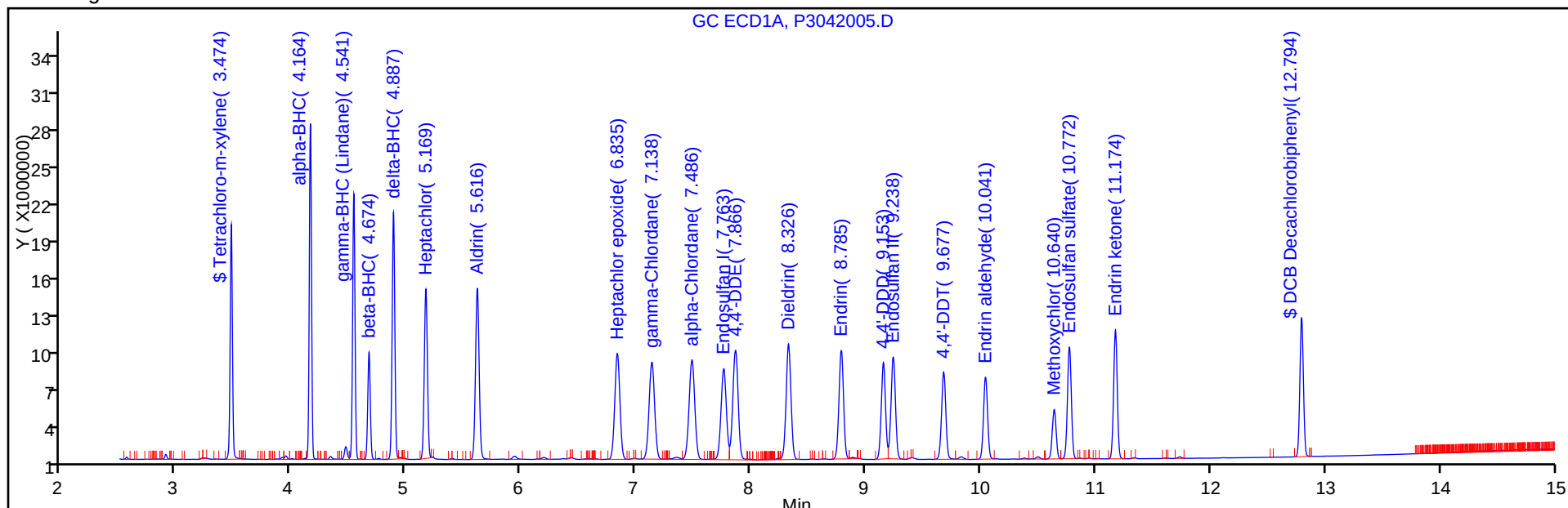
Operator ID: 402582

Injection Vol: 1.0 ul

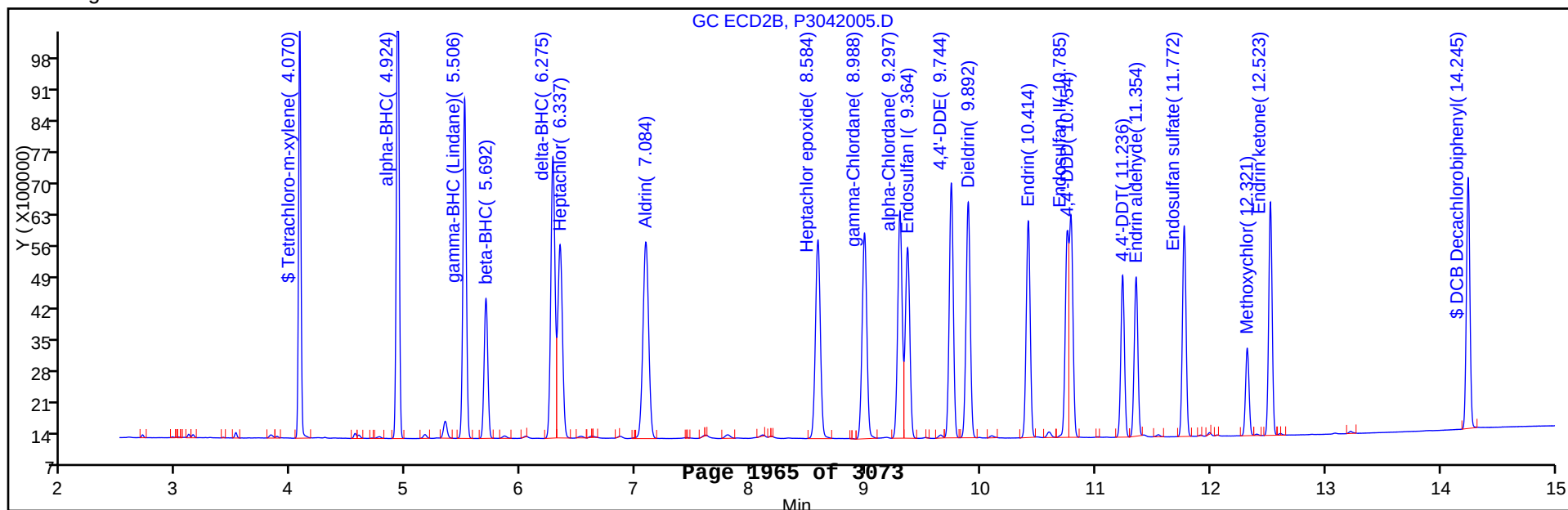
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22852-1
 SDG No.: _____
 Lab Sample ID: CCV 240-82857/5 Calibration Date: 04/20/2013 14:22
 Instrument ID: A2HP3 Calib Start Date: 03/14/2013 14:20
 GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 03/14/2013 16:00
 Lab File ID: P3042005.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	769922401	735110840		0.0239	0.0250	-4.5	20.0
gamma-BHC (Lindane)	Ave	677058072	618938640		0.0229	0.0250	-8.6	20.0
beta-BHC	Ave	295707343	280789760		0.0237	0.0250	-5.0	20.0
delta-BHC	Ave	695621800	645632120		0.0232	0.0250	-7.2	20.0
Heptachlor	Ave	582970513	491332760		0.0211	0.0250	-15.7	20.0
Aldrin	Ave	666083583	614626520		0.0231	0.0250	-7.7	20.0
Heptachlor epoxide	Ave	581320598	536376840		0.0231	0.0250	-7.7	20.0
gamma-Chlordane	Ave	586604093	527050560		0.0225	0.0250	-10.2	20.0
alpha-Chlordane	Ave	610326008	547622080		0.0224	0.0250	-10.3	20.0
Endosulfan I	Ave	531325762	467132400		0.0220	0.0250	-12.1	20.0
4,4'-DDE	Ave	609850598	561724960		0.0230	0.0250	-7.9	20.0
Dieldrin	Ave	594383876	532504640		0.0224	0.0250	-10.4	20.0
Endrin	Ave	535793583	468190800		0.0218	0.0250	-12.6	20.0
4,4'-DDD	Ave	427546511	378975880		0.0222	0.0250	-11.4	20.0
Endosulfan II	Ave	485472127	446131200		0.0230	0.0250	-8.1	20.0
4,4'-DDT	Ave	395546624	318155160		0.0201	0.0250	-19.6	20.0
Endrin aldehyde	Ave	395073591	317984240		0.0201	0.0250	-19.5	20.0
Endosulfan sulfate	Ave	442236050	414723640		0.0234	0.0250	-6.2	20.0
Methoxychlor	Ave	199518519	166347880		0.0208	0.0250	-16.6	20.0
Endrin ketone	Ave	501538938	435864920		0.0217	0.0250	-13.1	20.0
Tetrachloro-m-xylene	Ave	603960426	541587880		0.0224	0.0250	-10.3	20.0
DCB Decachlorobiphenyl	Ave	480698861	476210640		0.0248	0.0250	-0.9	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22852-1
 SDG No.: _____
 Lab Sample ID: CCV 240-82857/5 Calibration Date: 04/20/2013 14:22
 Instrument ID: A2HP3 Calib Start Date: 03/14/2013 14:20
 GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 03/14/2013 16:00
 Lab File ID: P3042005.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.92	4.89	4.95
gamma-BHC (Lindane)	5.51	5.48	5.54
beta-BHC	5.69	5.66	5.72
delta-BHC	6.28	6.25	6.31
Heptachlor	6.34	6.31	6.37
Aldrin	7.08	7.05	7.11
Heptachlor epoxide	8.58	8.55	8.61
gamma-Chlordane	8.99	8.96	9.02
alpha-Chlordane	9.30	9.27	9.33
Endosulfan I	9.36	9.33	9.39
4,4'-DDE	9.74	9.71	9.77
Dieldrin	9.89	9.86	9.92
Endrin	10.41	10.38	10.44
4,4'-DDD	10.75	10.72	10.78
Endosulfan II	10.79	10.76	10.82
4,4'-DDT	11.24	11.21	11.27
Endrin aldehyde	11.35	11.32	11.38
Endosulfan sulfate	11.77	11.74	11.80
Methoxychlor	12.32	12.29	12.35
Endrin ketone	12.52	12.49	12.55
Tetrachloro-m-xylene	4.07	4.04	4.10
DCB Decachlorobiphenyl	14.25	14.22	14.28

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP3\20130420-19105.b\P3042005.D
 Lims ID: CCV AB3 Client ID:
 Inject. Date: 20-Apr-2013 14:22:38 Dil. Factor: 1.0000
 Sample Type: CCVRT
 Sample ID: 240-0019105-005
 Misc. Info.:
 Operator: 402582 Instrument ID: A2HP3
 Injection Vol: 1.0 ul ALS Bottle#: 5
 Lims Batch ID: 82857 Lims Sample ID: 5
 Sublist: chrom-PEST3*sub7
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCCChrom\ChromData\A2HP3\20130420-19105.b\PEST3.m
 Last Update: 22-Apr-2013 10:30:54 Calib Date: 16-Apr-2013 14:58:16
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP3\20130416-18914.b\P3041609.D
 Limit Group: GC 8081 D0D ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK028

First Level Reviewer: shockr

Date: 22-Apr-2013 09:18:03

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

\$ 29 Tetrachloro-m-xylene

1	100	3.474	3.474	0.000	25896679	0.0235			
2	100	4.070	4.070	0.000	13539697	0.0224			

RPD = 4.88

5 alpha-BHC

1	100	4.164	4.164	0.000	36319352	0.0224			
2	100	4.924	4.924	0.000	18377771	0.0239			

RPD = 6.49

20 gamma-BHC (Lindane)

1	100	4.541	4.541	0.000	30775493	0.0211			
2	100	5.506	5.506	0.000	15473466	0.0229			

RPD = 7.75

7 beta-BHC

1	100	4.674	4.674	0.000	13311473	0.0215			
2	100	5.692	5.692	0.000	7019744	0.0237			

RPD = 9.79

11 delta-BHC

1	100	4.887	4.887	0.000	31875131	0.0215			
2	100	6.275	6.275	0.000	16140803	0.0232			

RPD = 7.46

22 Heptachlor

1	100	5.169	5.169	0.000	25693681	0.0199			
2	100	6.337	6.337	0.000	12283319	0.0211			

RPD = 5.47

4 Aldrin

1	100	5.616	5.616	0.000	30320566	0.0223			
2	100	7.084	7.084	0.000	15365663	0.0231			

RPD = 3.41

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.835	6.835	0.000	26340763	0.0214			
2	100	8.584	8.584	0.000	13409421	0.0231			
						RPD = 7.43			
21 gamma-Chlordane									
1	100	7.138	7.138	0.000	26097891	0.0207			
2	100	8.988	8.988	0.000	13176264	0.0225			
						RPD = 8.38			
6 alpha-Chlordane									
1	100	7.486	7.486	0.000	27669760	0.0215			
2	100	9.297	9.297	0.000	13690552	0.0224			
						RPD = 4.45			
14 Endosulfan I									
1	100	7.763	7.763	0.000	23746245	0.0206			
2	100	9.364	9.364	0.000	11678310	0.0220			
						RPD = 6.47			
2 4,4'-DDE									
1	100	7.866	7.866	0.000	28701992	0.0227			
2	100	9.744	9.744	0.000	14043124	0.0230			
						RPD = 1.60			
13 Dieldrin									
1	100	8.326	8.326	0.000	27259029	0.0215			
2	100	9.892	9.892	0.000	13312616	0.0224			
						RPD = 4.13			
17 Endrin									
1	100	8.785	8.785	0.000	24207425	0.0204			
2	100	10.414	10.414	0.000	11704770	0.0218			
						RPD = 7.05			
1 4,4'-DDD									
1	100	9.153	9.153	0.000	19799408	0.0204			
2	100	10.754	10.754	0.000	9474397	0.0222			
						RPD = 8.25			
15 Endosulfan II									
1	100	9.238	9.238	0.000	21891615	0.0200			
2	100	10.785	10.785	0.000	11153280	0.0230			
						RPD = 13.84			
3 4,4'-DDT									
1	100	9.677	9.677	0.000	18041425	0.0196			
2	100	11.236	11.236	0.000	7953879	0.0201			
						RPD = 2.75			
18 Endrin aldehyde									
1	100	10.041	10.041	0.000	16271127	0.0185			
2	100	11.354	11.354	0.000	7949606	0.0201			
						RPD = 8.53			
27 Methoxychlor									
1	100	10.640	10.640	0.000	9324502	0.0202			
2	100	12.321	12.321	0.000	4158697	0.0208			
						RPD = 3.10			

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

16 Endosulfan sulfate

1	100	10.772	10.772	0.000	21091905	0.0215			
2	100	11.772	11.772	0.000	10368091	0.0234			
RPD = 8.66									

19 Endrin ketone

1	100	11.174	11.174	0.000	22742409	0.0199			
2	100	12.523	12.523	0.000	10896623	0.0217			
RPD = 8.93									

\$ 10 DCB Decachlorobiphenyl

1	100	12.794	12.794	0.000	23715186	0.0247			
2	100	14.245	14.245	0.000	11905266	0.0248			
RPD = 0.28									

Report Date: 22-Apr-2013 10:30:54

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP3\20130420-19105.b\P3042005.D

Injection Date: 20-Apr-2013 14:22:38

Limit Group: GC 8081 D0D ICAL

Client ID:

Instrument ID: A2HP3

Lims Batch ID: 82857

Lims Sample ID: 5

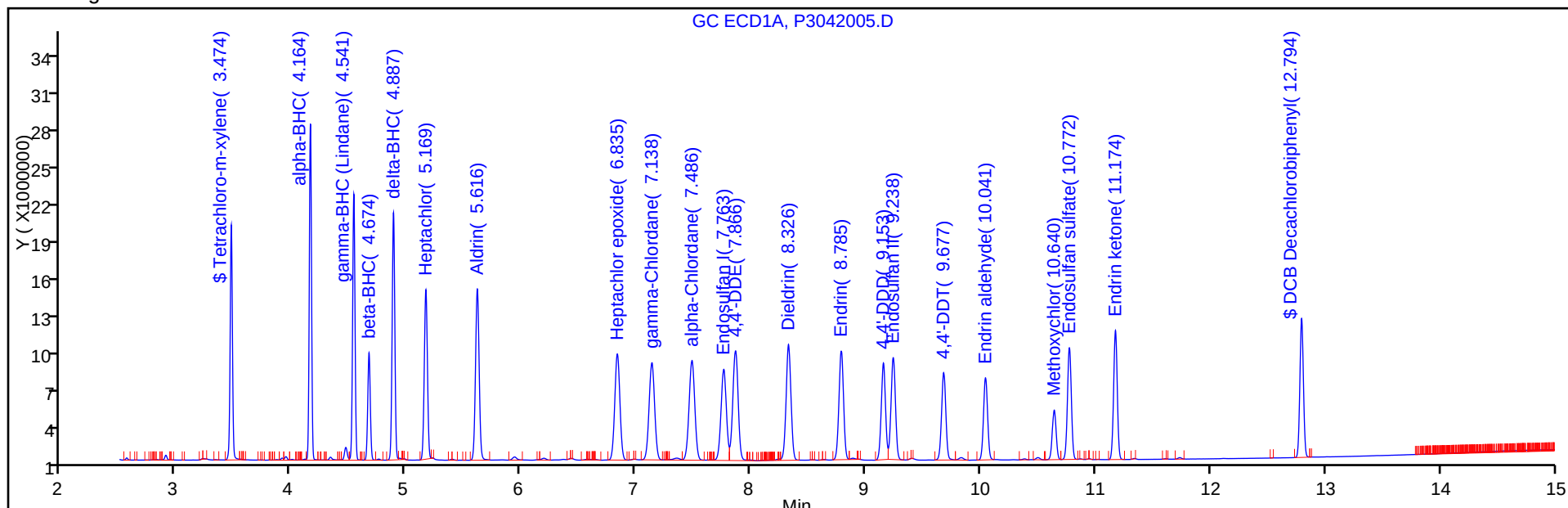
Operator ID: 402582

Injection Vol: 1.0 ul

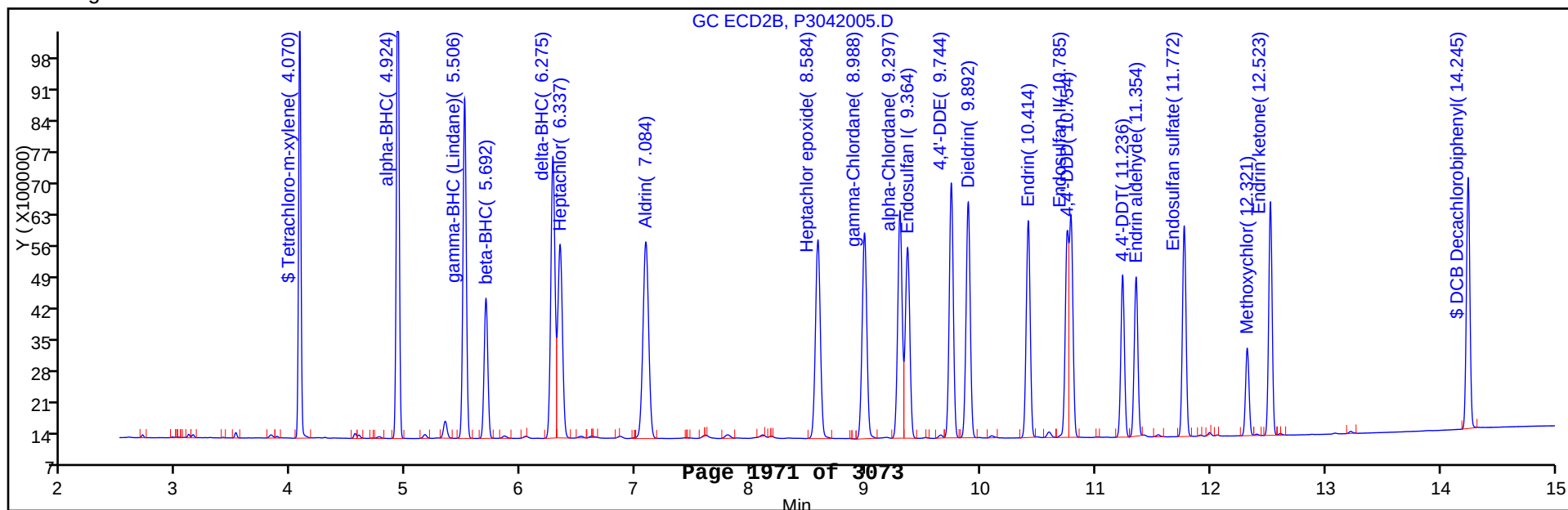
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22852-1
SDG No.: _____
Lab Sample ID: CCV 240-82857/7 Calibration Date: 04/20/2013 15:02
Instrument ID: A2HP3 Calib Start Date: 03/14/2013 16:40
GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 03/14/2013 18:00
Lab File ID: P3042007.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Ave	48953063	39016393		0.797	1.00	-20.3*	20.0
Toxaphene Peak 2	Ave	49795684	39778076		0.799	1.00	-20.1*	20.0
Toxaphene Peak 3	Ave	41014572	30214040		0.737	1.00	-26.3*	20.0
Toxaphene Peak 4	Ave	31176774	24752636		0.794	1.00	-20.6*	20.0
Toxaphene Peak 5	Ave	26157631	20527785		0.785	1.00	-21.5*	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22852-1
SDG No.: _____
Lab Sample ID: CCV 240-82857/7 Calibration Date: 04/20/2013 15:02
Instrument ID: A2HP3 Calib Start Date: 03/14/2013 16:40
GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 03/14/2013 18:00
Lab File ID: P3042007.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	10.23	10.20	10.26
Toxaphene Peak 2	10.58	10.55	10.61
Toxaphene Peak 3	10.73	10.70	10.76
Toxaphene Peak 4	11.14	11.11	11.17
Toxaphene Peak 5	11.42	11.39	11.45

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP3\20130420-19105.b\P3042007.D
 Lims ID: CCV TOX3 Client ID:
 Inject. Date: 20-Apr-2013 15:02:50 Dil. Factor: 1.0000
 Sample Type: CCV
 Sample ID: 240-0019105-007
 Misc. Info.:
 Operator: 402582 Instrument ID: A2HP3
 Injection Vol: 1.0 ul ALS Bottle#: 7
 Lims Batch ID: 82857 Lims Sample ID: 7
 Sublist: chrom-PEST3*sub5
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCCChrom\ChromData\A2HP3\20130420-19105.b\PEST3.m
 Last Update: 22-Apr-2013 10:30:55 Calib Date: 16-Apr-2013 14:58:16
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP3\20130416-18914.b\P3041609.D
 Limit Group: GC 8081 D0D ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK028

First Level Reviewer: shockr

Date: 22-Apr-2013 09:24:57

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	1	10.234	10.234	0.000	39016393	0.7970		100.0	M
1	2	10.577	10.577	0.000	39778076	0.7988	81.1- 121.1	102.0	M
1	3	10.727	10.727	0.000	30214040	0.7367	65.0- 105.0	77.4	M
1	4	11.144	11.144	0.000	24752636	0.7939	43.1- 83.1	63.4	M
1	5	11.417	11.417	0.000	20527785	0.7848	32.5- 72.5	52.6	M
Average of Peak Amounts =						0.7822			
2	100	10.338	10.338	0.000	15287776	0.9055		100.0	M
2	2	10.933	10.933	0.000	18988738	0.8818	108.3- 148.3	124.2	M
2	3	11.356	11.356	0.000	22562985	0.8668	134.7- 174.7	147.6	M
2	4	12.099	12.099	0.000	25461210	0.8399	157.2- 197.2	166.5	M
2	5	12.662	12.662	0.000	10030417	0.8206	51.7- 91.7	65.6	M
Average of Peak Amounts =						0.8629			
						RPD = 9.81			

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 22-Apr-2013 10:30:55

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP3\20130420-19105.b\P3042007.D

Injection Date: 20-Apr-2013 15:02:50

Limit Group: GC 8081 D0D ICAL

Client ID:

Instrument ID: A2HP3

Lims Batch ID: 82857

Lims Sample ID: 7

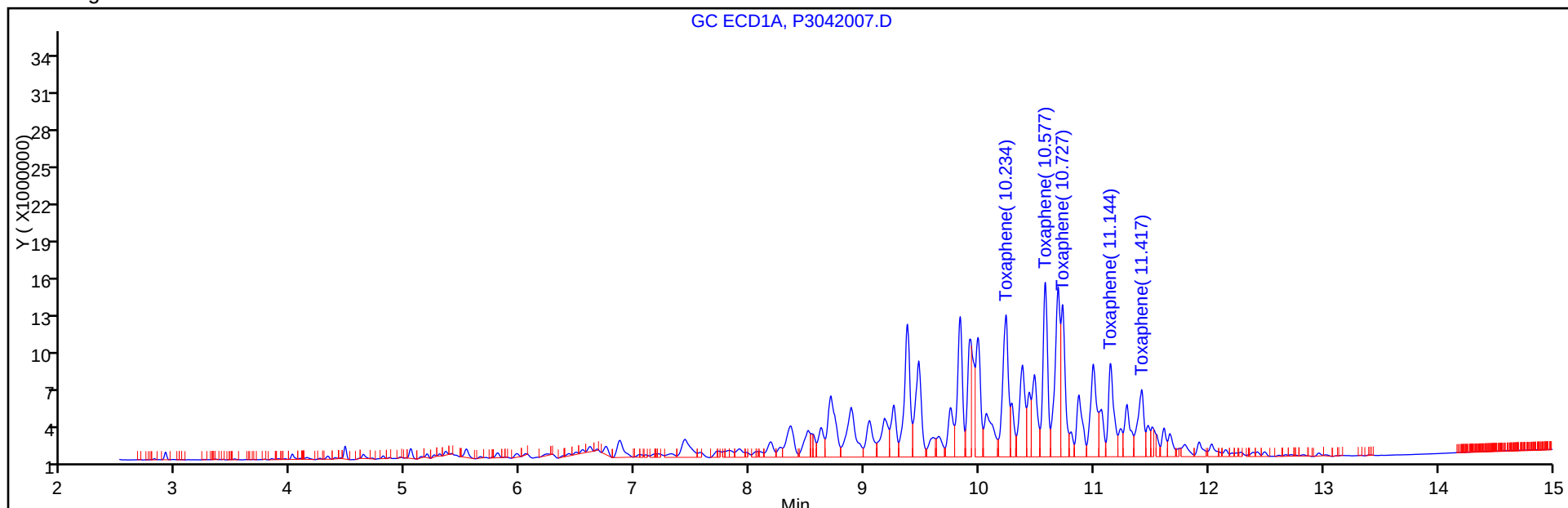
Operator ID: 402582

Injection Vol: 1.0 ul

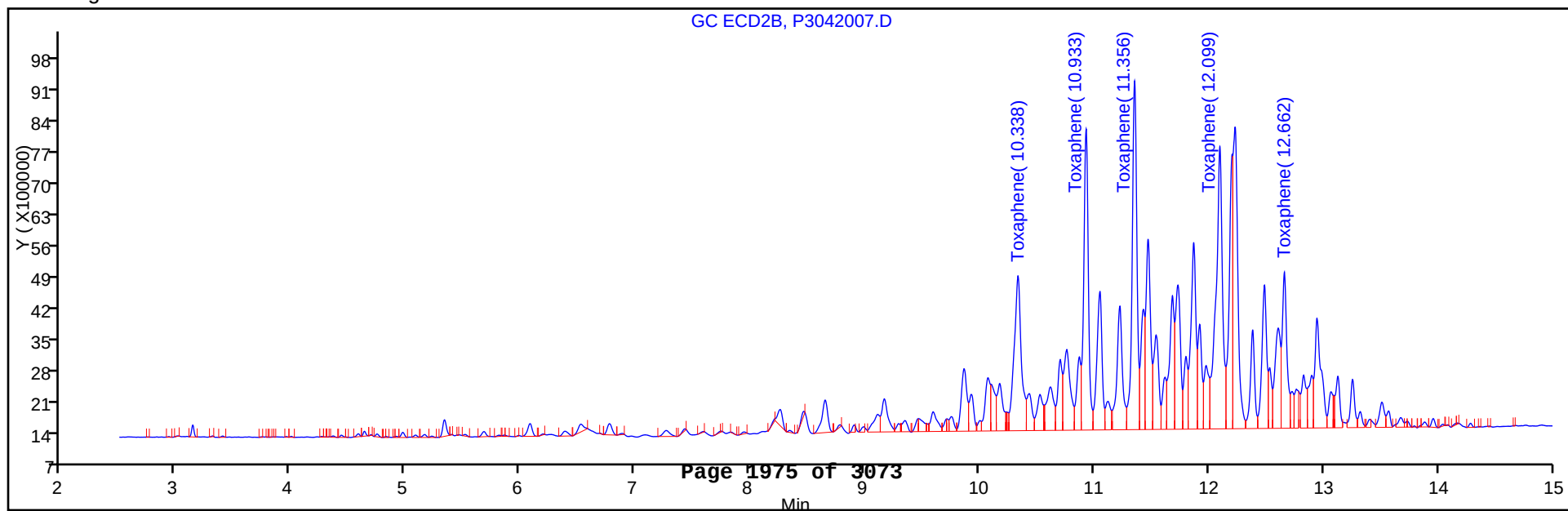
Column Type:

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\A2HP3\20130420-19105.b\P3042007.D

Injection Date: 20-Apr-2013 15:02:50

Limit Group: GC 8081 D0D ICAL

Client ID:

Instrument ID: A2HP3

Lims Batch ID: 82857

Lims Sample ID: 7

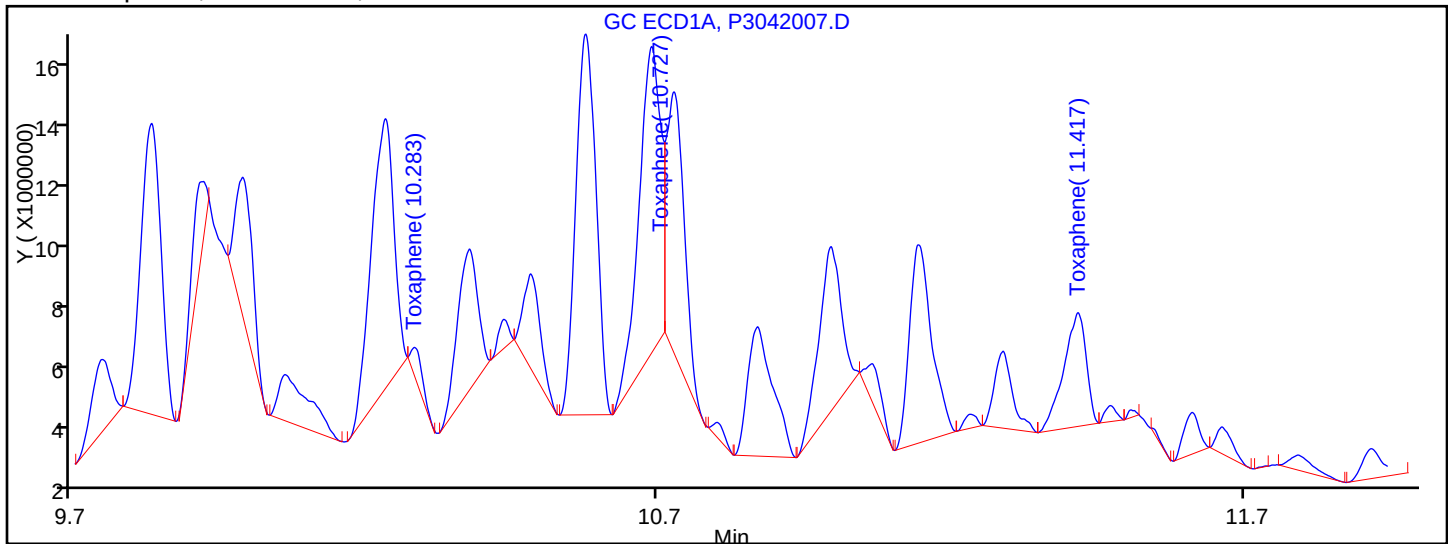
Operator ID: 402582

Injection Vol: 1.0 ul

Column Type:

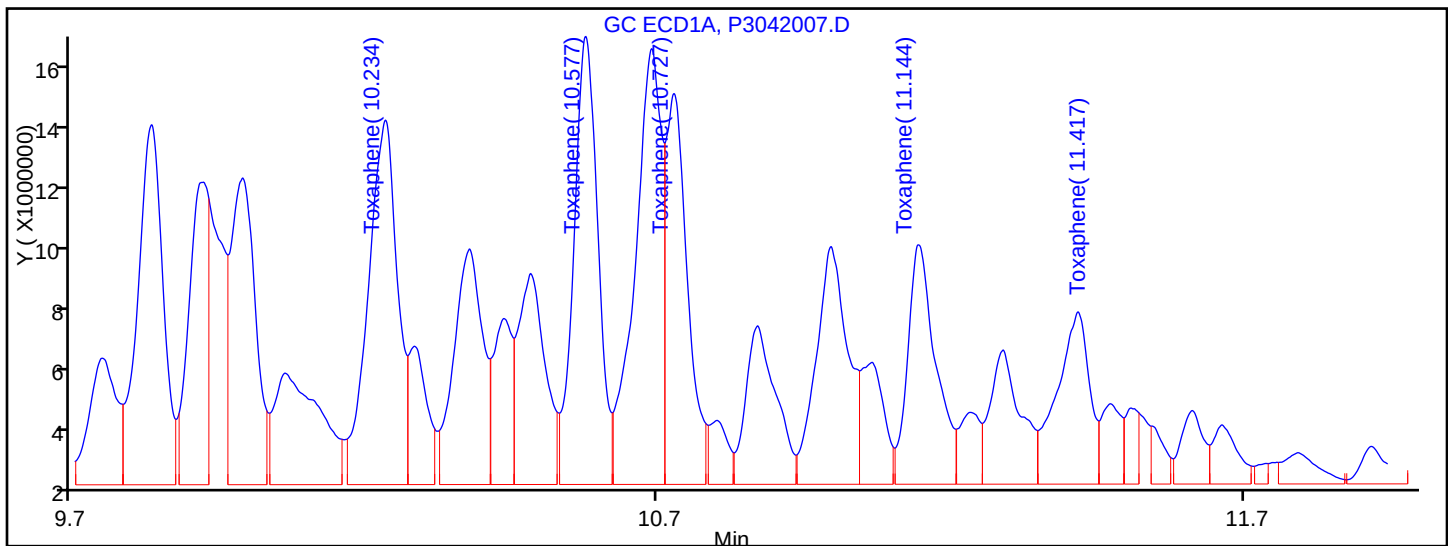
Column Dia:

30 Toxaphene, Detector: 1, GC ECD1A



Processing Integration Results

RT = 10.283	Response = 1293321	M
RT = 0.000	Response = 0	M
RT = 10.727	Response = 16422405	M
RT = 0.000	Response = 0	M
RT = 11.417	Response = 9281651	M



Manual Integration Results

RT = 10.234	Response = 39016393	M
RT = 10.577	Response = 39778076	M
RT = 10.727	Response = 30214040	M
RT = 11.144	Response = 24752636	M
RT = 11.417	Response = 20527785	M

Reviewer: shockr, 22-Apr-2013 09:28:14

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22852-1
SDG No.: _____
Lab Sample ID: CCV 240-82857/7 Calibration Date: 04/20/2013 15:02
Instrument ID: A2HP3 Calib Start Date: 03/14/2013 16:40
GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 03/14/2013 18:00
Lab File ID: P3042007.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Ave	16883134	15287776		0.906	1.00	-9.4	20.0
Toxaphene Peak 2	Ave	21534081	18988738		0.882	1.00	-11.8	20.0
Toxaphene Peak 3	Ave	26029451	22562985		0.867	1.00	-13.3	20.0
Toxaphene Peak 4	Ave	30315481	25461210		0.840	1.00	-16.0	20.0
Toxaphene Peak 5	Ave	12222975	10030417		0.821	1.00	-17.9	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22852-1
SDG No.: _____
Lab Sample ID: CCV 240-82857/7 Calibration Date: 04/20/2013 15:02
Instrument ID: A2HP3 Calib Start Date: 03/14/2013 16:40
GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 03/14/2013 18:00
Lab File ID: P3042007.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	10.34	10.31	10.37
Toxaphene Peak 2	10.93	10.90	10.96
Toxaphene Peak 3	11.36	11.33	11.39
Toxaphene Peak 4	12.10	12.07	12.13
Toxaphene Peak 5	12.66	12.63	12.69

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP3\20130420-19105.b\P3042007.D
 Lims ID: CCV TOX3 Client ID:
 Inject. Date: 20-Apr-2013 15:02:50 Dil. Factor: 1.0000
 Sample Type: CCV
 Sample ID: 240-0019105-007
 Misc. Info.:
 Operator: 402582 Instrument ID: A2HP3
 Injection Vol: 1.0 ul ALS Bottle#: 7
 Lims Batch ID: 82857 Lims Sample ID: 7
 Sublist: chrom-PEST3*sub5
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCCChrom\ChromData\A2HP3\20130420-19105.b\PEST3.m
 Last Update: 22-Apr-2013 10:30:55 Calib Date: 16-Apr-2013 14:58:16
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP3\20130416-18914.b\P3041609.D
 Limit Group: GC 8081 D0D ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK028

First Level Reviewer: shockr

Date: 22-Apr-2013 09:24:57

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	1	10.234	10.234	0.000	39016393	0.7970		100.0	M
1	2	10.577	10.577	0.000	39778076	0.7988	81.1- 121.1	102.0	M
1	3	10.727	10.727	0.000	30214040	0.7367	65.0- 105.0	77.4	M
1	4	11.144	11.144	0.000	24752636	0.7939	43.1- 83.1	63.4	M
1	5	11.417	11.417	0.000	20527785	0.7848	32.5- 72.5	52.6	M
Average of Peak Amounts =						0.7822			
2	100	10.338	10.338	0.000	15287776	0.9055		100.0	M
2	2	10.933	10.933	0.000	18988738	0.8818	108.3- 148.3	124.2	M
2	3	11.356	11.356	0.000	22562985	0.8668	134.7- 174.7	147.6	M
2	4	12.099	12.099	0.000	25461210	0.8399	157.2- 197.2	166.5	M
2	5	12.662	12.662	0.000	10030417	0.8206	51.7- 91.7	65.6	M
Average of Peak Amounts =						0.8629			
						RPD = 9.81			

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 22-Apr-2013 10:30:56

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP3\20130420-19105.b\P3042007.D

Injection Date: 20-Apr-2013 15:02:50

Limit Group: GC 8081 D0D ICAL

Client ID:

Instrument ID: A2HP3

Lims Batch ID: 82857

Lims Sample ID: 7

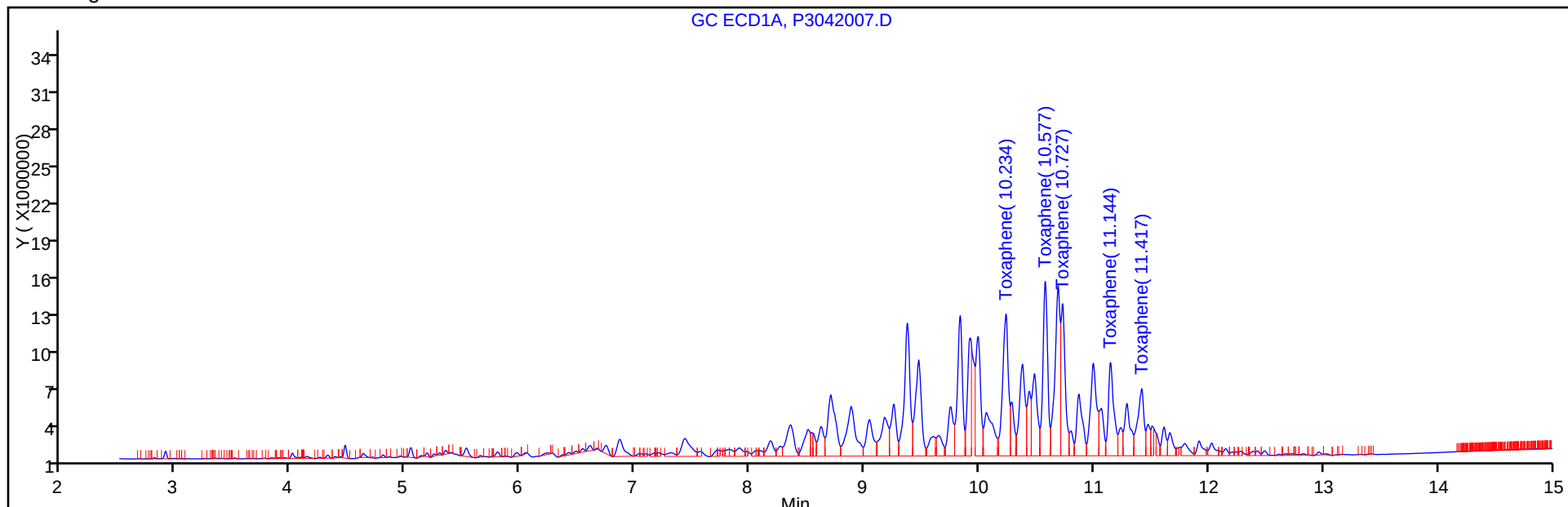
Operator ID: 402582

Injection Vol: 1.0 ul

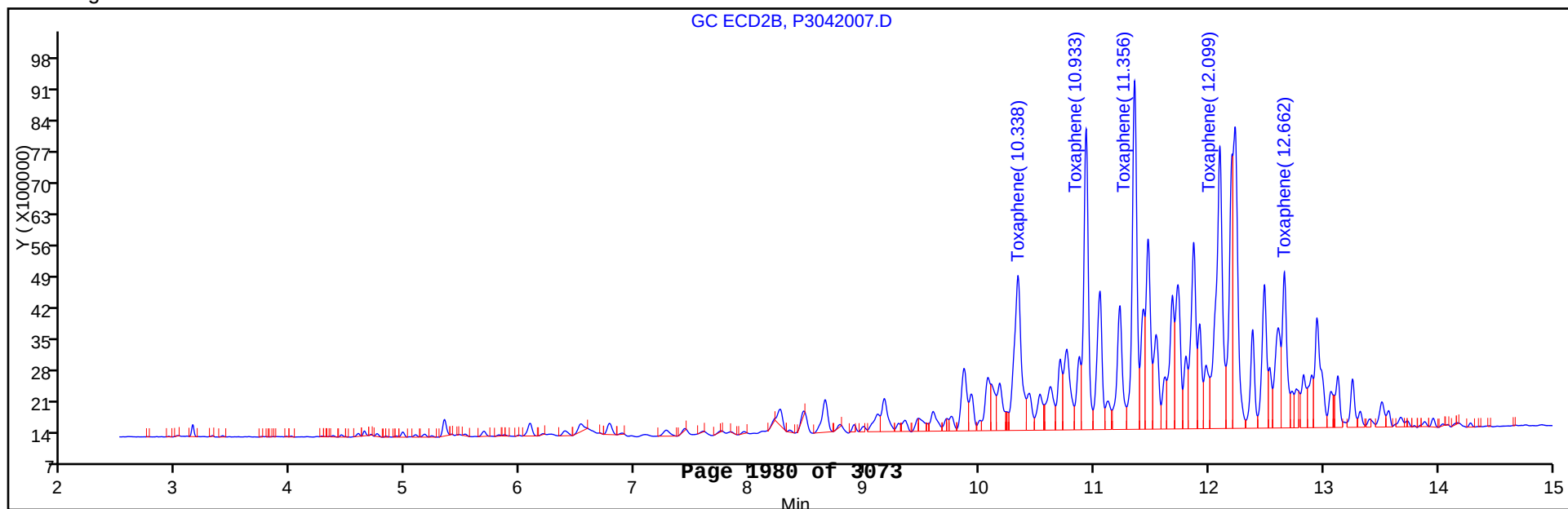
Column Type:

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\A2HP3\20130420-19105.b\P3042007.D

Injection Date: 20-Apr-2013 15:02:50

Limit Group: GC 8081 D0D ICAL

Client ID:

Instrument ID: A2HP3

Lims Batch ID: 82857

Lims Sample ID: 7

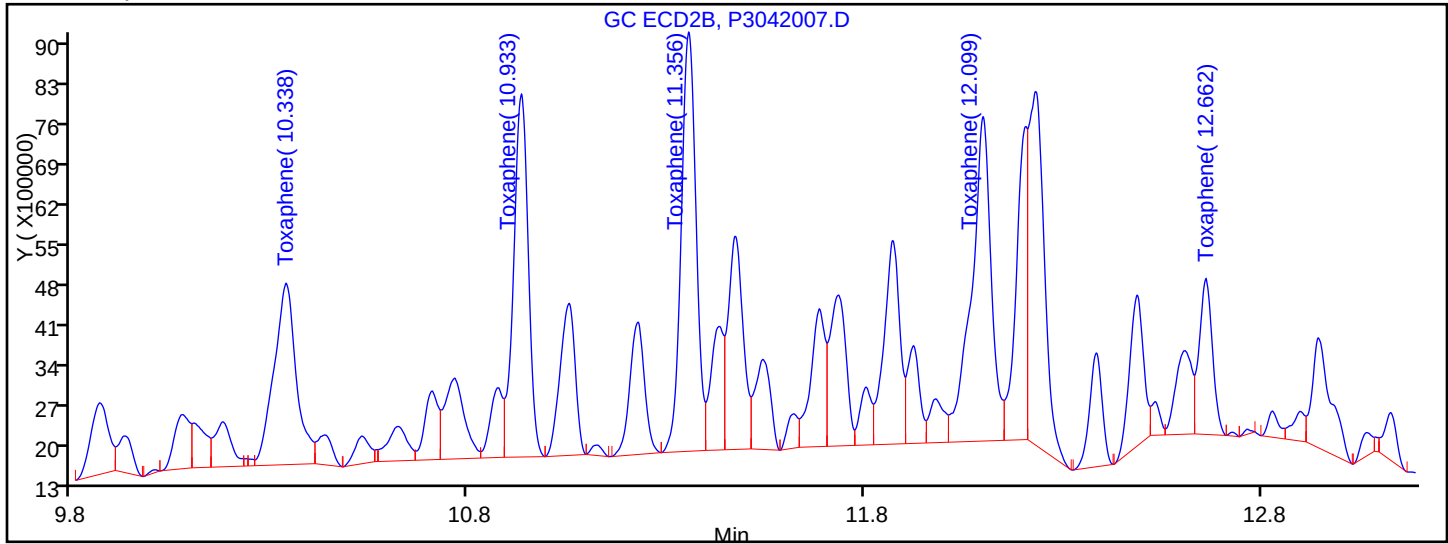
Operator ID: 402582

Injection Vol: 1.0 ul

Column Type:

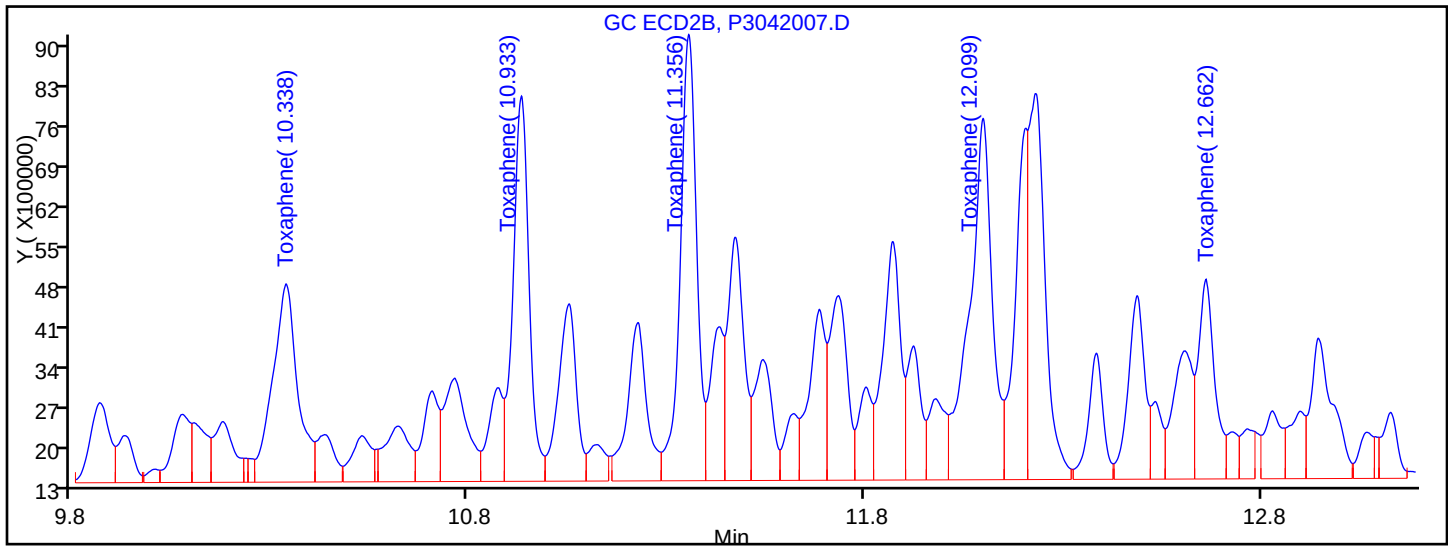
Column Dia:

30 Toxaphene, Detector: 2, GC ecd2b



Processing Integration Results

RT = 10.338	Response = 12413234	M
RT = 10.933	Response = 16316231	M
RT = 11.356	Response = 19083876	M
RT = 12.099	Response = 19713085	M
RT = 12.662	Response = 6279639	M



Manual Integration Results

RT = 10.338	Response = 15287776	M
RT = 10.933	Response = 18988738	M
RT = 11.356	Response = 22562985	M
RT = 12.099	Response = 25461210	M
RT = 12.662	Response = 10030417	M

Reviewer: shockr, 22-Apr-2013 09:24:57

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22852-1
 SDG No.: _____
 Lab Sample ID: CCV 240-82857/27 Calibration Date: 04/20/2013 21:45
 Instrument ID: A2HP3 Calib Start Date: 03/14/2013 14:20
 GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 03/14/2013 16:00
 Lab File ID: P3042027.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	1623707372	1624471360		0.0250	0.0250	0.0	20.0
gamma-BHC (Lindane)	Ave	1455203462	1363275200		0.0234	0.0250	-6.3	20.0
beta-BHC	Ave	618486639	593170600		0.0240	0.0250	-4.1	20.0
delta-BHC	Ave	1480196914	1448134720		0.0245	0.0250	-2.2	20.0
Heptachlor	Ave	1288059053	1042350360		0.0202	0.0250	-19.1	20.0
Aldrin	Ave	1359987606	1340776480		0.0246	0.0250	-1.4	20.0
Heptachlor epoxide	Ave	1229987574	1195665880		0.0243	0.0250	-2.8	20.0
gamma-Chlordane	Ave	1263492565	1217975960		0.0241	0.0250	-3.6	20.0
alpha-Chlordane	Ave	1289702829	1256223880		0.0244	0.0250	-2.6	20.0
Endosulfan I	Ave	1152636801	1085640080		0.0235	0.0250	-5.8	20.0
4,4'-DDE	Ave	1266505227	1212381640		0.0239	0.0250	-4.3	20.0
Dieldrin	Ave	1268423751	1217705320		0.0240	0.0250	-4.0	20.0
Endrin	Ave	1189138903	1065095760		0.0224	0.0250	-10.4	20.0
4,4'-DDD	Ave	970323691	1122996880		0.0289	0.0250	15.7	20.0
Endosulfan II	Ave	1094573989	993013400		0.0227	0.0250	-9.3	20.0
4,4'-DDT	Ave	922210777	376653120		0.0102	0.0250	-59.2*	20.0
Endrin aldehyde	Ave	880698493	726426520		0.0206	0.0250	-17.5	20.0
Methoxychlor	Ave	461419504	236187600		0.0128	0.0250	-48.8*	20.0
Endosulfan sulfate	Ave	981061458	900278680		0.0229	0.0250	-8.2	20.0
Endrin ketone	Ave	1144648217	868671480		0.0190	0.0250	-24.1*	20.0
Tetrachloro-m-xylene	Ave	1100163513	1040396280		0.0236	0.0250	-5.4	20.0
DCB Decachlorobiphenyl	Ave	960238458	907583160		0.0236	0.0250	-5.5	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22852-1
 SDG No.: _____
 Lab Sample ID: CCV 240-82857/27 Calibration Date: 04/20/2013 21:45
 Instrument ID: A2HP3 Calib Start Date: 03/14/2013 14:20
 GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 03/14/2013 16:00
 Lab File ID: P3042027.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.16	4.13	4.19
gamma-BHC (Lindane)	4.54	4.51	4.57
beta-BHC	4.67	4.64	4.70
delta-BHC	4.89	4.86	4.92
Heptachlor	5.17	5.14	5.20
Aldrin	5.62	5.59	5.65
Heptachlor epoxide	6.84	6.81	6.87
gamma-Chlordane	7.14	7.11	7.17
alpha-Chlordane	7.48	7.45	7.51
Endosulfan I	7.76	7.73	7.79
4,4'-DDE	7.86	7.83	7.89
Dieldrin	8.33	8.30	8.36
Endrin	8.78	8.75	8.81
4,4'-DDD	9.15	9.12	9.18
Endosulfan II	9.24	9.21	9.27
4,4'-DDT	9.68	9.65	9.71
Endrin aldehyde	10.04	10.01	10.07
Methoxychlor	10.64	10.61	10.67
Endosulfan sulfate	10.77	10.74	10.80
Endrin ketone	11.17	11.14	11.20
Tetrachloro-m-xylene	3.47	3.44	3.50
DCB Decachlorobiphenyl	12.79	12.76	12.82

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP3\20130420-19105.b\P3042027.D
 Lims ID: CCV AB3 Client ID:
 Inject. Date: 20-Apr-2013 21:45:20 Dil. Factor: 1.0000
 Sample Type: CCV
 Sample ID: 240-0019105-027
 Misc. Info.:
 Operator: 402582 Instrument ID: A2HP3
 Injection Vol: 1.0 ul ALS Bottle#: 27
 Lims Batch ID: 82857 Lims Sample ID: 27
 Sublist: chrom-PEST3*sub7
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCCChrom\ChromData\A2HP3\20130420-19105.b\PEST3.m
 Last Update: 22-Apr-2013 10:31:14 Calib Date: 16-Apr-2013 14:58:16
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP3\20130416-18914.b\P3041609.D
 Limit Group: GC 8081 D0D ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK028

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

\$ 29 Tetrachloro-m-xylene

1	100	3.474	3.474	0.000	26009907	0.0236			
2	100	4.069	4.069	0.000	13390111	0.0222			

RPD = 6.42

5 alpha-BHC

1	100	4.164	4.164	0.000	40611784	0.0250			
2	100	4.923	4.923	0.000	20441329	0.0265			

RPD = 5.97

20 gamma-BHC (Lindane)

1	100	4.540	4.540	0.000	34081880	0.0234			
2	100	5.505	5.505	0.000	17111089	0.0253			

RPD = 7.61

7 beta-BHC

1	100	4.674	4.674	0.000	14829265	0.0240			
2	100	5.690	5.690	0.000	7679142	0.0260			

RPD = 7.98

11 delta-BHC

1	100	4.887	4.887	0.000	36203368	0.0245			
2	100	6.273	6.273	0.000	18601147	0.0267			

RPD = 8.91

22 Heptachlor

1	100	5.168	5.168	0.000	26058759	0.0202			
2	100	6.335	6.335	0.000	11963394	0.0205			

RPD = 1.43

4 Aldrin

1	100	5.618	5.618	0.000	33519412	0.0246			
2	100	7.081	7.081	0.000	17107780	0.0257			

RPD = 4.12

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.835	6.835	0.000	29891647	0.0243			
2	100	8.581	8.581	0.000	14970428	0.0258			
						RPD = 5.79			
21 gamma-Chlordane									
1	100	7.137	7.137	0.000	30449399	0.0241			
2	100	8.985	8.985	0.000	15090703	0.0257			
						RPD = 6.53			
6 alpha-Chlordane									
1	100	7.484	7.484	0.000	31405597	0.0244			
2	100	9.295	9.295	0.000	15213025	0.0249			
						RPD = 2.33			
14 Endosulfan I									
1	100	7.760	7.760	0.000	27141002	0.0235			
2	100	9.362	9.362	0.000	13154770	0.0248			
						RPD = 5.02			
2 4,4'-DDE									
1	100	7.860	7.860	0.000	30309541	0.0239			
2	100	9.741	9.741	0.000	14541068	0.0238			
						RPD = 0.37			
13 Dieldrin									
1	100	8.327	8.327	0.000	30442633	0.0240			
2	100	9.889	9.889	0.000	14541826	0.0245			
						RPD = 1.92			
17 Endrin									
1	100	8.782	8.782	0.000	26627394	0.0224			
2	100	10.411	10.411	0.000	12521435	0.0234			
						RPD = 4.27			
1 4,4'-DDD									
1	100	9.151	9.151	0.000	28074922	0.0289			
2	100	10.752	10.752	0.000	13848503	0.0324			
						RPD = 11.27			
15 Endosulfan II									
1	100	9.238	9.238	0.000	24825335	0.0227			
2	100	10.783	10.783	0.000	12700794	0.0262			
						RPD = 14.26			
3 4,4'-DDT									
1	100	9.676	9.676	0.000	9416328	0.0102			
2	100	11.234	11.234	0.000	4073391	0.0103			
						RPD = 0.85			
18 Endrin aldehyde									
1	100	10.043	10.043	0.000	18160663	0.0206			
2	100	11.351	11.351	0.000	8513911	0.0216			
						RPD = 4.41			
27 Methoxychlor									
1	100	10.639	10.639	0.000	5904690	0.0128			
2	100	12.319	12.319	0.000	2417555	0.0121			
						RPD = 5.46			

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

16 Endosulfan sulfate

1 100 10.771 10.771 0.000 22506967 0.0229

2 100 11.769 11.769 0.000 10991091 0.0249

RPD = 8.00

19 Endrin ketone

1 100 11.173 11.173 0.000 21716787 0.0190

2 100 12.521 12.521 0.000 10594774 0.0211

RPD = 10.73

\$ 10 DCB Decachlorobiphenyl

1 100 12.794 12.794 0.000 22689579 0.0236

2 100 14.242 14.242 0.000 12493078 0.0260

RPD = 9.51

Report Date: 22-Apr-2013 10:31:15

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP3\20130420-19105.b\P3042027.D

Injection Date: 20-Apr-2013 21:45:20

Limit Group: GC 8081 D0D ICAL

Client ID:

Instrument ID: A2HP3

Lims Batch ID: 82857

Lims Sample ID: 27

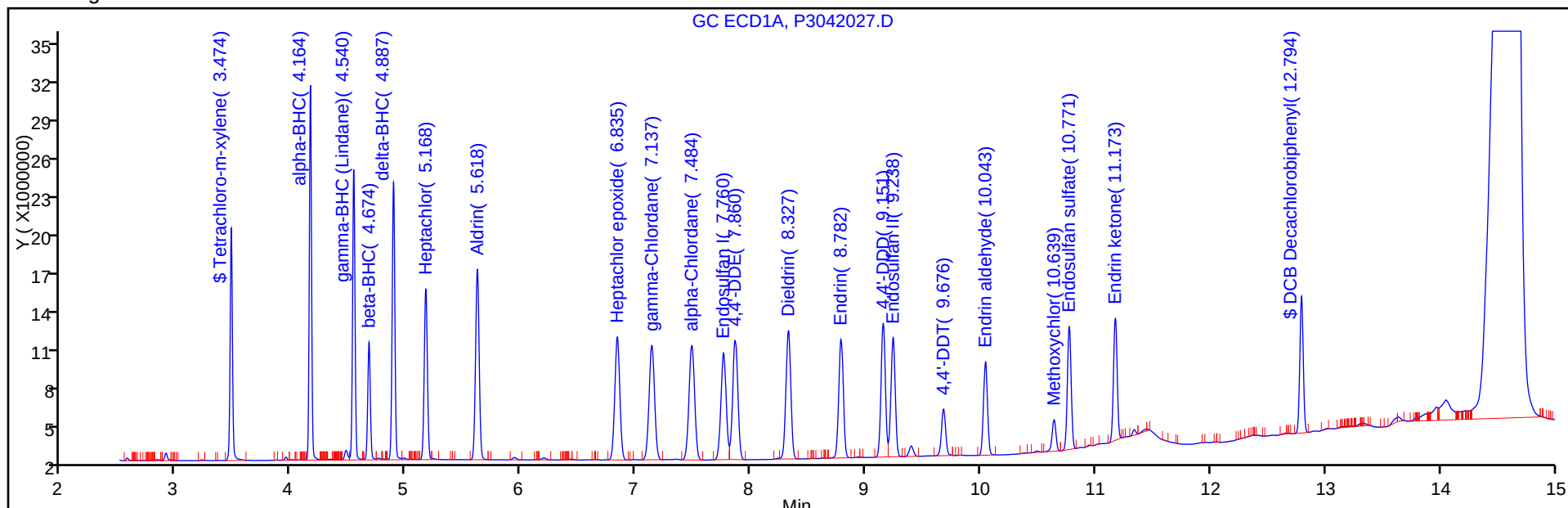
Operator ID: 402582

Injection Vol: 1.0 ul

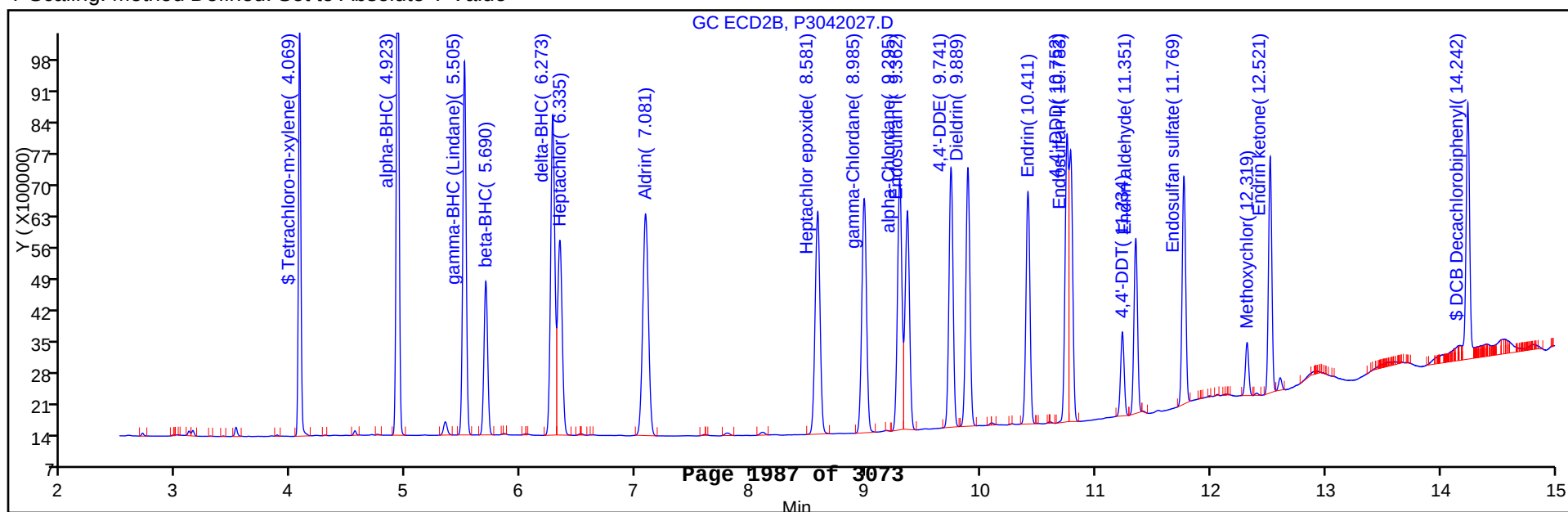
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22852-1
 SDG No.: _____
 Lab Sample ID: CCV 240-82857/27 Calibration Date: 04/20/2013 21:45
 Instrument ID: A2HP3 Calib Start Date: 03/14/2013 14:20
 GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 03/14/2013 16:00
 Lab File ID: P3042027.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	769922401	817653160		0.0265	0.0250	6.2	20.0
gamma-BHC (Lindane)	Ave	677058072	684443560		0.0253	0.0250	1.1	20.0
beta-BHC	Ave	295707343	307165680		0.0260	0.0250	3.9	20.0
delta-BHC	Ave	695621800	744045880		0.0267	0.0250	7.0	20.0
Heptachlor	Ave	582970513	478535760		0.0205	0.0250	-17.9	20.0
Aldrin	Ave	666083583	684311200		0.0257	0.0250	2.7	20.0
Heptachlor epoxide	Ave	581320598	598817120		0.0258	0.0250	3.0	20.0
gamma-Chlordane	Ave	586604093	603628120		0.0257	0.0250	2.9	20.0
alpha-Chlordane	Ave	610326008	608521000		0.0249	0.0250	-0.3	20.0
Endosulfan I	Ave	531325762	526190800		0.0248	0.0250	-1.0	20.0
4,4'-DDE	Ave	609850598	581642720		0.0238	0.0250	-4.6	20.0
Dieldrin	Ave	594383876	581673040		0.0245	0.0250	-2.1	20.0
Endrin	Ave	535793583	500857400		0.0234	0.0250	-6.5	20.0
4,4'-DDD	Ave	427546511	553940120		0.0324	0.0250	29.6*	20.0
Endosulfan II	Ave	485472127	508031760		0.0262	0.0250	4.6	20.0
4,4'-DDT	Ave	395546624	162935640		0.0103	0.0250	-58.8*	20.0
Endrin aldehyde	Ave	395073591	340556440		0.0216	0.0250	-13.8	20.0
Endosulfan sulfate	Ave	442236050	439643640		0.0249	0.0250	-0.6	20.0
Methoxychlor	Ave	199518519	96702200		0.0121	0.0250	-51.5*	20.0
Endrin ketone	Ave	501538938	423790960		0.0211	0.0250	-15.5	20.0
Tetrachloro-m-xylene	Ave	603960426	535604440		0.0222	0.0250	-11.3	20.0
DCB Decachlorobiphenyl	Ave	480698861	499723120		0.0260	0.0250	4.0	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22852-1
 SDG No.: _____
 Lab Sample ID: CCV 240-82857/27 Calibration Date: 04/20/2013 21:45
 Instrument ID: A2HP3 Calib Start Date: 03/14/2013 14:20
 GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 03/14/2013 16:00
 Lab File ID: P3042027.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.92	4.89	4.95
gamma-BHC (Lindane)	5.51	5.48	5.54
beta-BHC	5.69	5.66	5.72
delta-BHC	6.27	6.24	6.30
Heptachlor	6.34	6.31	6.37
Aldrin	7.08	7.05	7.11
Heptachlor epoxide	8.58	8.55	8.61
gamma-Chlordane	8.99	8.96	9.02
alpha-Chlordane	9.30	9.27	9.33
Endosulfan I	9.36	9.33	9.39
4,4'-DDE	9.74	9.71	9.77
Dieldrin	9.89	9.86	9.92
Endrin	10.41	10.38	10.44
4,4'-DDD	10.75	10.72	10.78
Endosulfan II	10.78	10.75	10.81
4,4'-DDT	11.23	11.20	11.26
Endrin aldehyde	11.35	11.32	11.38
Endosulfan sulfate	11.77	11.74	11.80
Methoxychlor	12.32	12.29	12.35
Endrin ketone	12.52	12.49	12.55
Tetrachloro-m-xylene	4.07	4.04	4.10
DCB Decachlorobiphenyl	14.24	14.21	14.27

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP3\20130420-19105.b\P3042027.D
 Lims ID: CCV AB3 Client ID:
 Inject. Date: 20-Apr-2013 21:45:20 Dil. Factor: 1.0000
 Sample Type: CCV
 Sample ID: 240-0019105-027
 Misc. Info.:
 Operator: 402582 Instrument ID: A2HP3
 Injection Vol: 1.0 ul ALS Bottle#: 27
 Lims Batch ID: 82857 Lims Sample ID: 27
 Sublist: chrom-PEST3*sub7
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCCChrom\ChromData\A2HP3\20130420-19105.b\PEST3.m
 Last Update: 22-Apr-2013 10:31:14 Calib Date: 16-Apr-2013 14:58:16
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP3\20130416-18914.b\P3041609.D
 Limit Group: GC 8081 D0D ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK028

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

\$ 29 Tetrachloro-m-xylene

1	100	3.474	3.474	0.000	26009907	0.0236			
2	100	4.069	4.069	0.000	13390111	0.0222			

RPD = 6.42

5 alpha-BHC

1	100	4.164	4.164	0.000	40611784	0.0250			
2	100	4.923	4.923	0.000	20441329	0.0265			

RPD = 5.97

20 gamma-BHC (Lindane)

1	100	4.540	4.540	0.000	34081880	0.0234			
2	100	5.505	5.505	0.000	17111089	0.0253			

RPD = 7.61

7 beta-BHC

1	100	4.674	4.674	0.000	14829265	0.0240			
2	100	5.690	5.690	0.000	7679142	0.0260			

RPD = 7.98

11 delta-BHC

1	100	4.887	4.887	0.000	36203368	0.0245			
2	100	6.273	6.273	0.000	18601147	0.0267			

RPD = 8.91

22 Heptachlor

1	100	5.168	5.168	0.000	26058759	0.0202			
2	100	6.335	6.335	0.000	11963394	0.0205			

RPD = 1.43

4 Aldrin

1	100	5.618	5.618	0.000	33519412	0.0246			
2	100	7.081	7.081	0.000	17107780	0.0257			

RPD = 4.12

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.835	6.835	0.000	29891647	0.0243			
2	100	8.581	8.581	0.000	14970428	0.0258			
						RPD = 5.79			
21 gamma-Chlordane									
1	100	7.137	7.137	0.000	30449399	0.0241			
2	100	8.985	8.985	0.000	15090703	0.0257			
						RPD = 6.53			
6 alpha-Chlordane									
1	100	7.484	7.484	0.000	31405597	0.0244			
2	100	9.295	9.295	0.000	15213025	0.0249			
						RPD = 2.33			
14 Endosulfan I									
1	100	7.760	7.760	0.000	27141002	0.0235			
2	100	9.362	9.362	0.000	13154770	0.0248			
						RPD = 5.02			
2 4,4'-DDE									
1	100	7.860	7.860	0.000	30309541	0.0239			
2	100	9.741	9.741	0.000	14541068	0.0238			
						RPD = 0.37			
13 Dieldrin									
1	100	8.327	8.327	0.000	30442633	0.0240			
2	100	9.889	9.889	0.000	14541826	0.0245			
						RPD = 1.92			
17 Endrin									
1	100	8.782	8.782	0.000	26627394	0.0224			
2	100	10.411	10.411	0.000	12521435	0.0234			
						RPD = 4.27			
1 4,4'-DDD									
1	100	9.151	9.151	0.000	28074922	0.0289			
2	100	10.752	10.752	0.000	13848503	0.0324			
						RPD = 11.27			
15 Endosulfan II									
1	100	9.238	9.238	0.000	24825335	0.0227			
2	100	10.783	10.783	0.000	12700794	0.0262			
						RPD = 14.26			
3 4,4'-DDT									
1	100	9.676	9.676	0.000	9416328	0.0102			
2	100	11.234	11.234	0.000	4073391	0.0103			
						RPD = 0.85			
18 Endrin aldehyde									
1	100	10.043	10.043	0.000	18160663	0.0206			
2	100	11.351	11.351	0.000	8513911	0.0216			
						RPD = 4.41			
27 Methoxychlor									
1	100	10.639	10.639	0.000	5904690	0.0128			
2	100	12.319	12.319	0.000	2417555	0.0121			
						RPD = 5.46			

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

16 Endosulfan sulfate

1	100	10.771	10.771	0.000	22506967	0.0229			
2	100	11.769	11.769	0.000	10991091	0.0249			
RPD = 8.00									

19 Endrin ketone

1	100	11.173	11.173	0.000	21716787	0.0190			
2	100	12.521	12.521	0.000	10594774	0.0211			
RPD = 10.73									

\$ 10 DCB Decachlorobiphenyl

1	100	12.794	12.794	0.000	22689579	0.0236			
2	100	14.242	14.242	0.000	12493078	0.0260			
RPD = 9.51									

Report Date: 22-Apr-2013 10:31:15

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP3\20130420-19105.b\P3042027.D

Injection Date: 20-Apr-2013 21:45:20

Limit Group: GC 8081 D0D ICAL

Client ID:

Instrument ID: A2HP3

Lims Batch ID: 82857

Lims Sample ID: 27

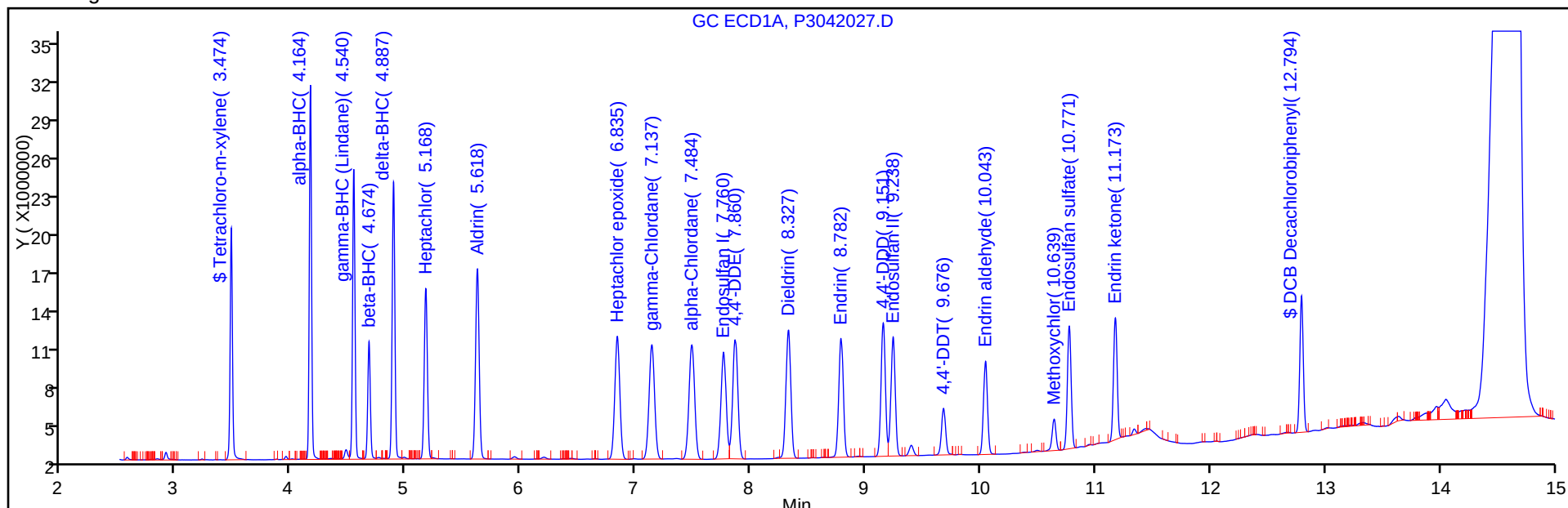
Operator ID: 402582

Injection Vol: 1.0 ul

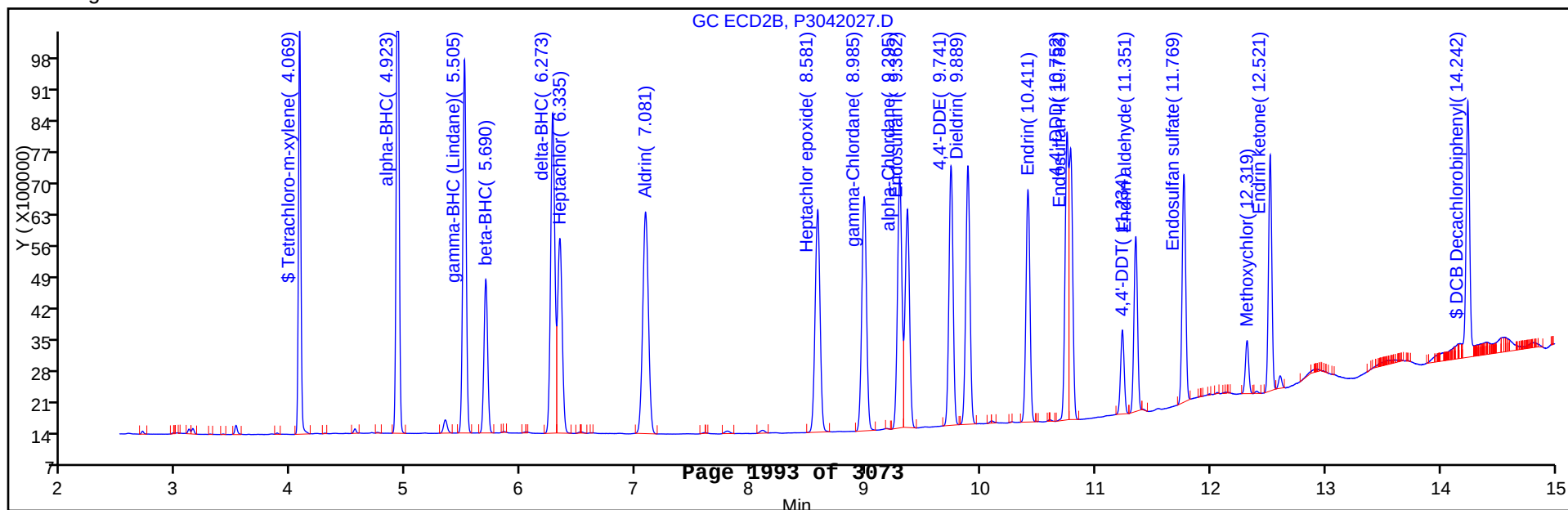
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22852-1
 SDG No.: _____
 Lab Sample ID: CCV 240-82857/36 Calibration Date: 04/21/2013 00:46
 Instrument ID: A2HP3 Calib Start Date: 03/14/2013 16:40
 GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 03/14/2013 18:00
 Lab File ID: P3042036.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Ave	48953063	30218556		0.617	1.00	-38.3*	20.0
Toxaphene Peak 2	Ave	49795684	27372334		0.550	1.00	-45.0*	20.0
Toxaphene Peak 3	Ave	41014572	14398200		0.351	1.00	-64.9*	20.0
Toxaphene Peak 4	Ave	31176774	15777795		0.506	1.00	-49.4*	20.0
Toxaphene Peak 5	Ave	26157631	3907564		0.149	1.00	-85.1*	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22852-1
SDG No.: _____
Lab Sample ID: CCV 240-82857/36 Calibration Date: 04/21/2013 00:46
Instrument ID: A2HP3 Calib Start Date: 03/14/2013 16:40
GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 03/14/2013 18:00
Lab File ID: P3042036.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	10.23	10.20	10.26
Toxaphene Peak 2	10.57	10.54	10.60
Toxaphene Peak 3	10.72	10.69	10.75
Toxaphene Peak 4	11.14	11.11	11.17
Toxaphene Peak 5	11.41	11.38	11.44

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130420-19105.b\P3042036.D
 Lims ID: CCV TOX3 Client ID:
 Inject. Date: 21-Apr-2013 00:46:03 Dil. Factor: 1.0000
 Sample Type: CCV
 Sample ID: 240-0019105-036
 Misc. Info.:
 Operator: 402582 Instrument ID: A2HP3
 Injection Vol: 1.0 ul ALS Bottle#: 36
 Lims Batch ID: 82857 Lims Sample ID: 36
 Sublist: chrom-PEST3*sub5
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCChrom\ChromData\A2HP3\20130420-19105.b\PEST3.m
 Last Update: 22-Apr-2013 10:31:21 Calib Date: 16-Apr-2013 14:58:16
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCChrom\ChromData\A2HP3\20130416-18914.b\P3041609.D
 Limit Group: GC 8081 D0D ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK028

First Level Reviewer: shockr

Date: 22-Apr-2013 10:28:36

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	1	10.230	10.230	0.000	30218556	0.6173		100.0	M
1	2	10.573	10.573	0.000	27372334	0.5497	81.1- 121.1	90.6	M
1	3	10.724	10.724	0.000	14398200	0.3511	65.0- 105.0	47.6	M
1	4	11.144	11.144	0.000	15777795	0.5061	43.1- 83.1	52.2	M
1	5	11.411	11.411	0.000	3907564	0.1494	32.5- 72.5	12.9	M
Average of Peak Amounts =						0.4347			
2	100	10.337	10.337	0.000	14435195	0.8550		100.0	
2	2	10.929	10.929	0.000	15790371	0.7333	108.3- 148.3	109.4	
2	3	11.357	11.357	0.000	16974442	0.6521	134.7- 174.7	117.6	
2	4	12.097	12.097	0.000	15269758	0.5037	157.2- 197.2	105.8	
2	5	12.658	12.658	0.000	5805838	0.4750	51.7- 91.7	40.2	
Average of Peak Amounts =						0.6438			
						RPD = 38.78			

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 22-Apr-2013 10:31:21

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP3\20130420-19105.b\P3042036.D

Injection Date: 21-Apr-2013 00:46:03

Limit Group: GC 8081 D0D ICAL

Client ID:

Instrument ID: A2HP3

Lims Batch ID: 82857

Lims Sample ID: 36

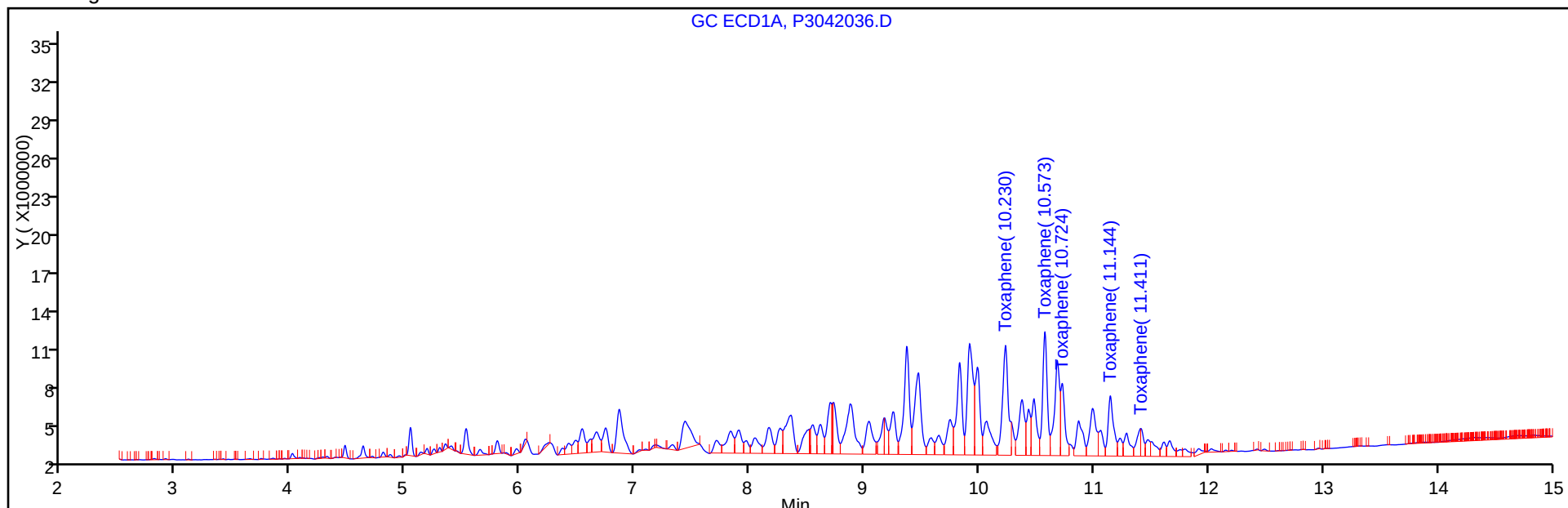
Operator ID: 402582

Injection Vol: 1.0 ul

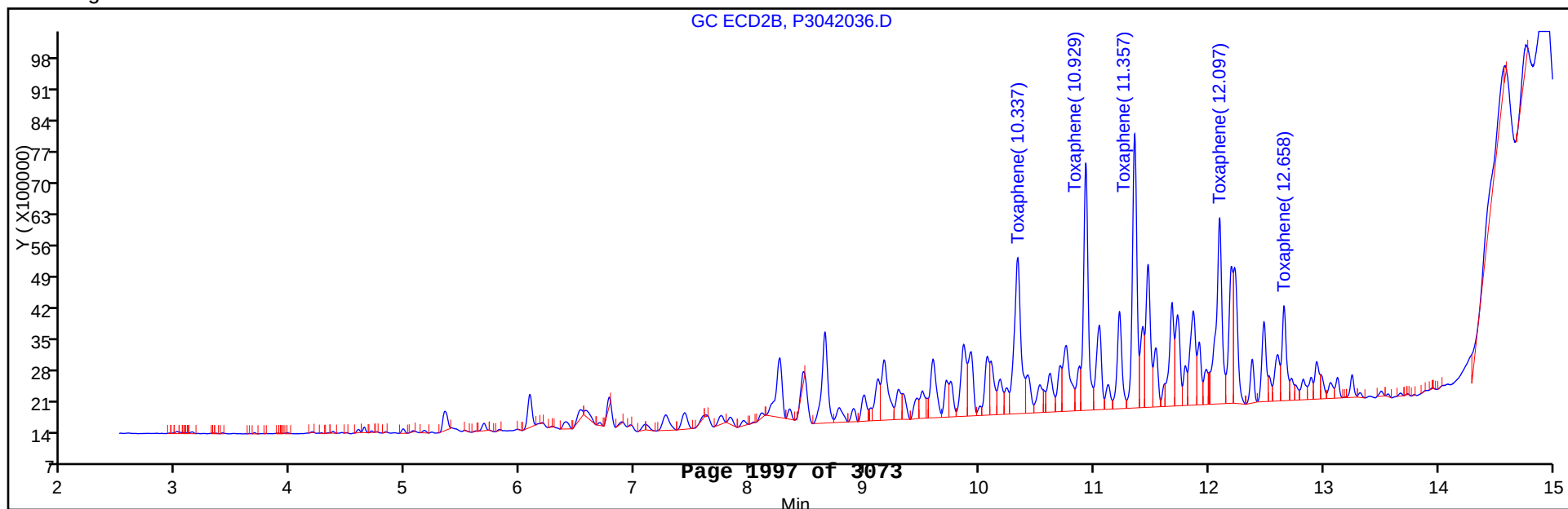
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP3\20130420-19105.b\P3042036.D

Injection Date: 21-Apr-2013 00:46:03

Limit Group: GC 8081 D0D ICAL

Client ID:

Instrument ID: A2HP3

Lims Batch ID: 82857

Lims Sample ID: 36

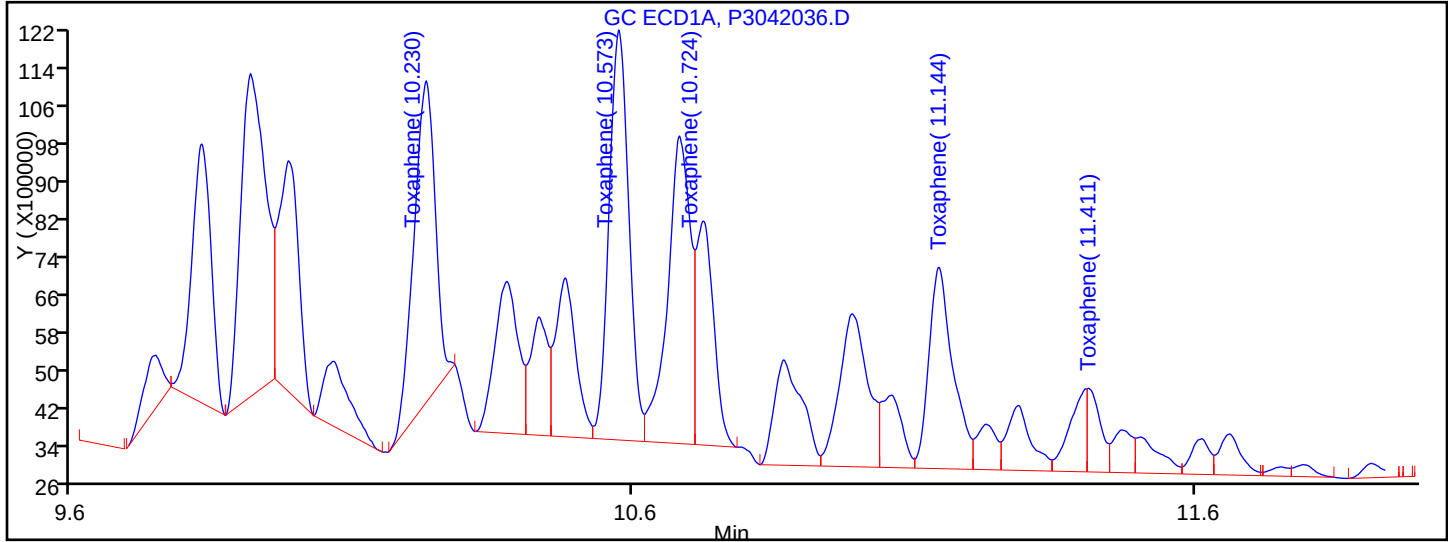
Operator ID: 402582

Injection Vol: 1.0 ul

Column Type:

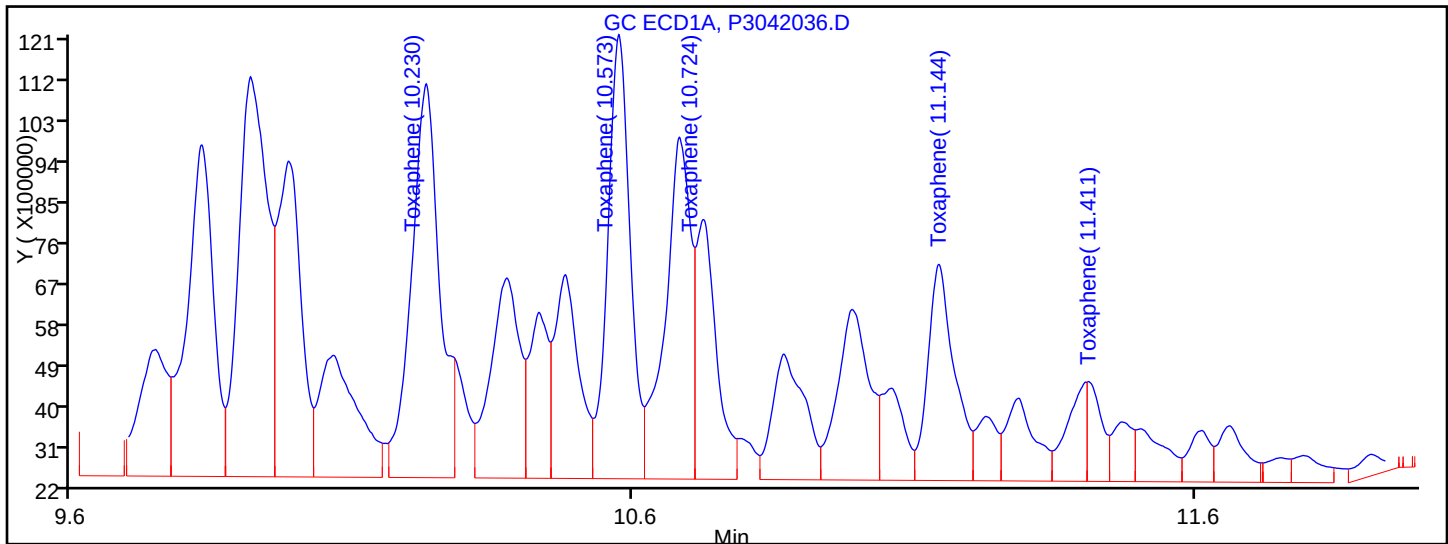
Column Dia:

30 Toxaphene, Detector: 1, GC ECD1A



Processing Integration Results

RT = 10.230	Response = 18315371	M
RT = 10.573	Response = 21615272	M
RT = 10.724	Response = 10244171	M
RT = 11.144	Response = 12881685	M
RT = 11.411	Response = 2923595	M



Manual Integration Results

RT = 10.230	Response = 30218556	M
RT = 10.573	Response = 27372334	M
RT = 10.724	Response = 14398200	M
RT = 11.144	Response = 15777795	M
RT = 11.411	Response = 3907564	M

Reviewer: shockr, 22-Apr-2013 10:28:36

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22852-1
SDG No.: _____
Lab Sample ID: CCV 240-82857/36 Calibration Date: 04/21/2013 00:46
Instrument ID: A2HP3 Calib Start Date: 03/14/2013 16:40
GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 03/14/2013 18:00
Lab File ID: P3042036.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Ave	16883134	14435195		0.855	1.00	-14.5	20.0
Toxaphene Peak 2	Ave	21534081	15790371		0.733	1.00	-26.7*	20.0
Toxaphene Peak 3	Ave	26029451	16974442		0.652	1.00	-34.8*	20.0
Toxaphene Peak 4	Ave	30315481	15269758		0.504	1.00	-49.6*	20.0
Toxaphene Peak 5	Ave	12222975	5805838		0.475	1.00	-52.5*	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22852-1
SDG No.: _____
Lab Sample ID: CCV 240-82857/36 Calibration Date: 04/21/2013 00:46
Instrument ID: A2HP3 Calib Start Date: 03/14/2013 16:40
GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 03/14/2013 18:00
Lab File ID: P3042036.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	10.34	10.31	10.37
Toxaphene Peak 2	10.93	10.90	10.96
Toxaphene Peak 3	11.36	11.33	11.39
Toxaphene Peak 4	12.10	12.07	12.13
Toxaphene Peak 5	12.66	12.63	12.69

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP3\20130420-19105.b\P3042036.D
 Lims ID: CCV TOX3 Client ID:
 Inject. Date: 21-Apr-2013 00:46:03 Dil. Factor: 1.0000
 Sample Type: CCV
 Sample ID: 240-0019105-036
 Misc. Info.:
 Operator: 402582 Instrument ID: A2HP3
 Injection Vol: 1.0 ul ALS Bottle#: 36
 Lims Batch ID: 82857 Lims Sample ID: 36
 Sublist: chrom-PEST3*sub5
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCCChrom\ChromData\A2HP3\20130420-19105.b\PEST3.m
 Last Update: 22-Apr-2013 10:31:21 Calib Date: 16-Apr-2013 14:58:16
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP3\20130416-18914.b\P3041609.D
 Limit Group: GC 8081 D0D ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK028

First Level Reviewer: shockr

Date: 22-Apr-2013 10:28:36

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	1	10.230	10.230	0.000	30218556	0.6173		100.0	M
1	2	10.573	10.573	0.000	27372334	0.5497	81.1- 121.1	90.6	M
1	3	10.724	10.724	0.000	14398200	0.3511	65.0- 105.0	47.6	M
1	4	11.144	11.144	0.000	15777795	0.5061	43.1- 83.1	52.2	M
1	5	11.411	11.411	0.000	3907564	0.1494	32.5- 72.5	12.9	M
Average of Peak Amounts =						0.4347			
2	100	10.337	10.337	0.000	14435195	0.8550		100.0	
2	2	10.929	10.929	0.000	15790371	0.7333	108.3- 148.3	109.4	
2	3	11.357	11.357	0.000	16974442	0.6521	134.7- 174.7	117.6	
2	4	12.097	12.097	0.000	15269758	0.5037	157.2- 197.2	105.8	
2	5	12.658	12.658	0.000	5805838	0.4750	51.7- 91.7	40.2	
Average of Peak Amounts =						0.6438			
						RPD = 38.78			

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 22-Apr-2013 10:31:22

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP3\20130420-19105.b\IP3042036.D

Injection Date: 21-Apr-2013 00:46:03

Limit Group: GC 8081 D0D ICAL

Client ID:

Instrument ID: A2HP3

Lims Batch ID: 82857

Lims Sample ID: 36

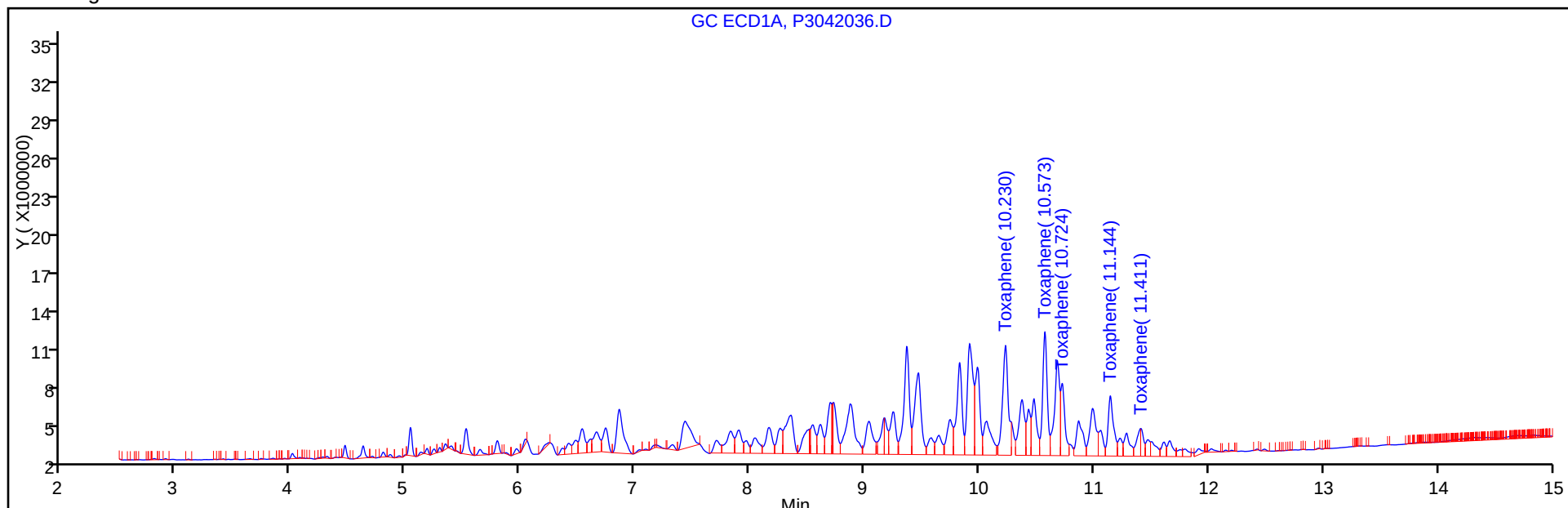
Operator ID: 402582

Injection Vol: 1.0 ul

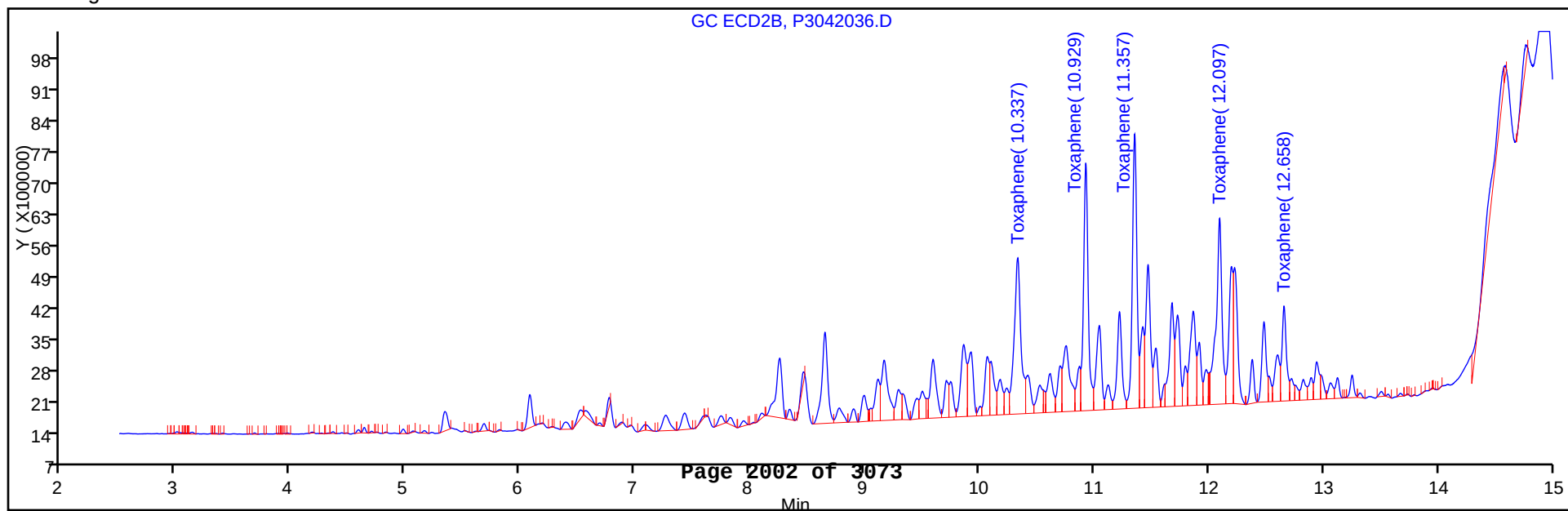
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22852-1
 SDG No.: _____
 Lab Sample ID: CCV 240-82857/38 Calibration Date: 04/21/2013 01:26
 Instrument ID: A2HP3 Calib Start Date: 03/14/2013 14:20
 GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 03/14/2013 16:00
 Lab File ID: P3042038.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	1623707372	1686818040		0.0260	0.0250	3.9	20.0
gamma-BHC (Lindane)	Ave	1455203462	1413535920		0.0243	0.0250	-2.9	20.0
beta-BHC	Ave	618486639	610862320		0.0247	0.0250	-1.2	20.0
delta-BHC	Ave	1480196914	1499441400		0.0253	0.0250	1.3	20.0
Heptachlor	Ave	1288059053	1113696640		0.0216	0.0250	-13.5	20.0
Aldrin	Ave	1359987606	1413559680		0.0260	0.0250	3.9	20.0
Heptachlor epoxide	Ave	1229987574	1250161800		0.0254	0.0250	1.6	20.0
gamma-Chlordane	Ave	1263492565	1286714400		0.0255	0.0250	1.8	20.0
alpha-Chlordane	Ave	1289702829	1325095760		0.0257	0.0250	2.7	20.0
Endosulfan I	Ave	1152636801	1139512280		0.0247	0.0250	-1.1	20.0
4,4'-DDE	Ave	1266505227	1285018800		0.0254	0.0250	1.5	20.0
Dieldrin	Ave	1268423751	1293605160		0.0255	0.0250	2.0	20.0
Endrin	Ave	1189138903	1152109480		0.0242	0.0250	-3.1	20.0
4,4'-DDD	Ave	970323691	1208594920		0.0311	0.0250	24.6*	20.0
Endosulfan II	Ave	1094573989	1086007640		0.0248	0.0250	-0.8	20.0
4,4'-DDT	Ave	922210777	431699920		0.0117	0.0250	-53.2*	20.0
Endrin aldehyde	Ave	880698493	771286840		0.0219	0.0250	-12.4	20.0
Methoxychlor	Ave	461419504	286715840		0.0155	0.0250	-37.9*	20.0
Endosulfan sulfate	Ave	981061458	1006653520		0.0257	0.0250	2.6	20.0
Endrin ketone	Ave	1144648217	1016770840		0.0222	0.0250	-11.2	20.0
Tetrachloro-m-xylene	Ave	1100163513	1067866280		0.0243	0.0250	-2.9	20.0
DCB Decachlorobiphenyl	Ave	960238458	1012355440		0.0264	0.0250	5.4	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22852-1
 SDG No.: _____
 Lab Sample ID: CCV 240-82857/38 Calibration Date: 04/21/2013 01:26
 Instrument ID: A2HP3 Calib Start Date: 03/14/2013 14:20
 GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 03/14/2013 16:00
 Lab File ID: P3042038.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.16	4.13	4.19
gamma-BHC (Lindane)	4.54	4.51	4.57
beta-BHC	4.67	4.64	4.70
delta-BHC	4.89	4.86	4.92
Heptachlor	5.17	5.14	5.20
Aldrin	5.62	5.59	5.65
Heptachlor epoxide	6.83	6.80	6.86
gamma-Chlordane	7.13	7.10	7.16
alpha-Chlordane	7.48	7.45	7.51
Endosulfan I	7.76	7.73	7.79
4,4'-DDE	7.86	7.83	7.89
Dieldrin	8.33	8.30	8.36
Endrin	8.78	8.75	8.81
4,4'-DDD	9.15	9.12	9.18
Endosulfan II	9.24	9.21	9.27
4,4'-DDT	9.68	9.65	9.71
Endrin aldehyde	10.04	10.01	10.07
Methoxychlor	10.64	10.61	10.67
Endosulfan sulfate	10.77	10.74	10.80
Endrin ketone	11.17	11.14	11.20
Tetrachloro-m-xylene	3.47	3.44	3.50
DCB Decachlorobiphenyl	12.79	12.76	12.82

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP3\20130420-19105.b\P3042038.D
 Lims ID: CCV AB3 Client ID:
 Inject. Date: 21-Apr-2013 01:26:15 Dil. Factor: 1.0000
 Sample Type: CCV
 Sample ID: 240-0019105-038
 Misc. Info.:
 Operator: 402582 Instrument ID: A2HP3
 Injection Vol: 1.0 ul ALS Bottle#: 38
 Lims Batch ID: 82857 Lims Sample ID: 38
 Sublist: chrom-PEST3*sub7
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCCChrom\ChromData\A2HP3\20130420-19105.b\PEST3.m
 Last Update: 22-Apr-2013 10:31:24 Calib Date: 16-Apr-2013 14:58:16
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP3\20130416-18914.b\P3041609.D
 Limit Group: GC 8081 D0D ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK028

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

\$ 29 Tetrachloro-m-xylene

1	100	3.474	3.474	0.000	26696657	0.0243			
2	100	4.069	4.069	0.000	14061527	0.0233			

RPD = 4.14

5 alpha-BHC

1	100	4.162	4.162	0.000	42170451	0.0260			
2	100	4.922	4.922	0.000	21425564	0.0278			

RPD = 6.90

20 gamma-BHC (Lindane)

1	100	4.540	4.540	0.000	35338398	0.0243			
2	100	5.505	5.505	0.000	17846489	0.0264			

RPD = 8.19

7 beta-BHC

1	100	4.673	4.673	0.000	15271558	0.0247			
2	100	5.690	5.690	0.000	8017076	0.0271			

RPD = 9.34

11 delta-BHC

1	100	4.886	4.886	0.000	37486035	0.0253			
2	100	6.272	6.272	0.000	19132348	0.0275			

RPD = 8.25

22 Heptachlor

1	100	5.167	5.167	0.000	27842416	0.0216			
2	100	6.334	6.334	0.000	12936252	0.0222			

RPD = 2.62

4 Aldrin

1	100	5.616	5.616	0.000	35338992	0.0260			
2	100	7.081	7.081	0.000	18041203	0.0271			

RPD = 4.15

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.834	6.834	0.000	31254045	0.0254			
2	100	8.580	8.580	0.000	15781774	0.0271			
						RPD = 6.61			
21 gamma-Chlordane									
1	100	7.133	7.133	0.000	32167860	0.0255			
2	100	8.985	8.985	0.000	16085539	0.0274			
						RPD = 7.42			
6 alpha-Chlordane									
1	100	7.483	7.483	0.000	33127394	0.0257			
2	100	9.293	9.293	0.000	16474507	0.0270			
						RPD = 4.96			
14 Endosulfan I									
1	100	7.760	7.760	0.000	28487807	0.0247			
2	100	9.360	9.360	0.000	13975371	0.0263			
						RPD = 6.22			
2 4,4'-DDE									
1	100	7.860	7.860	0.000	32125470	0.0254			
2	100	9.740	9.740	0.000	15899278	0.0261			
						RPD = 2.74			
13 Dieldrin									
1	100	8.325	8.325	0.000	32340129	0.0255			
2	100	9.888	9.888	0.000	15841687	0.0267			
						RPD = 4.43			
17 Endrin									
1	100	8.782	8.782	0.000	28802737	0.0242			
2	100	10.411	10.411	0.000	13780832	0.0257			
						RPD = 6.00			
1 4,4'-DDD									
1	100	9.150	9.150	0.000	30214873	0.0311			
2	100	10.750	10.750	0.000	15598332	0.0365			
						RPD = 15.81			
15 Endosulfan II									
1	100	9.236	9.236	0.000	27150191	0.0248			
2	100	10.782	10.782	0.000	13100340	0.0270			
						RPD = 8.42			
3 4,4'-DDT									
1	100	9.677	9.677	0.000	10792498	0.0117			
2	100	11.233	11.233	0.000	4645030	0.0117			
						RPD = 0.35			
18 Endrin aldehyde									
1	100	10.040	10.040	0.000	19282171	0.0219			
2	100	11.350	11.350	0.000	9253871	0.0234			
						RPD = 6.75			
27 Methoxychlor									
1	100	10.638	10.638	0.000	7167896	0.0155			
2	100	12.318	12.318	0.000	3046265	0.0153			
						RPD = 1.73			

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

16 Endosulfan sulfate

1	100	10.770	10.770	0.000	25166338	0.0257			
2	100	11.770	11.770	0.000	12440164	0.0281			

RPD = 9.21

19 Endrin ketone

1	100	11.171	11.171	0.000	25419271	0.0222			
2	100	12.519	12.519	0.000	12152753	0.0242			

RPD = 8.72

\$ 10 DCB Decachlorobiphenyl

1	100	12.792	12.792	0.000	25308886	0.0264			
2	100	14.241	14.241	0.000	12971815	0.0270			

RPD = 2.36

Report Date: 22-Apr-2013 10:31:24

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP3\20130420-19105.b\P3042038.D

Injection Date: 21-Apr-2013 01:26:15

Limit Group: GC 8081 D0D ICAL

Client ID:

Instrument ID: A2HP3

Lims Batch ID: 82857

Lims Sample ID: 38

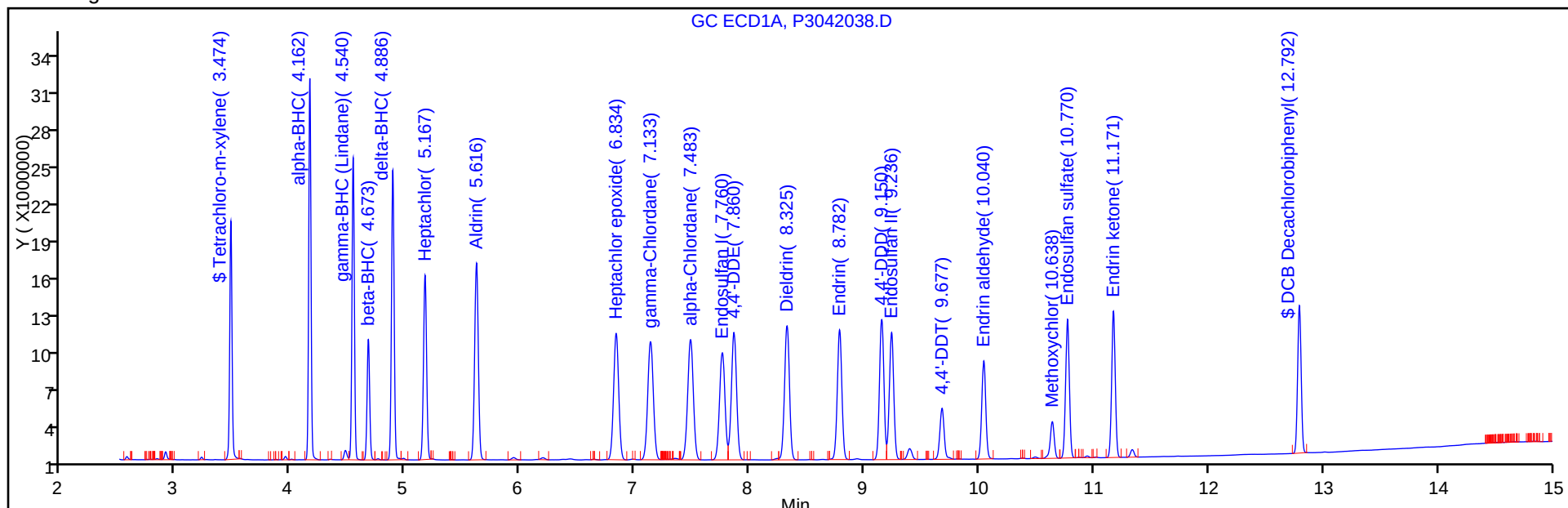
Operator ID: 402582

Injection Vol: 1.0 ul

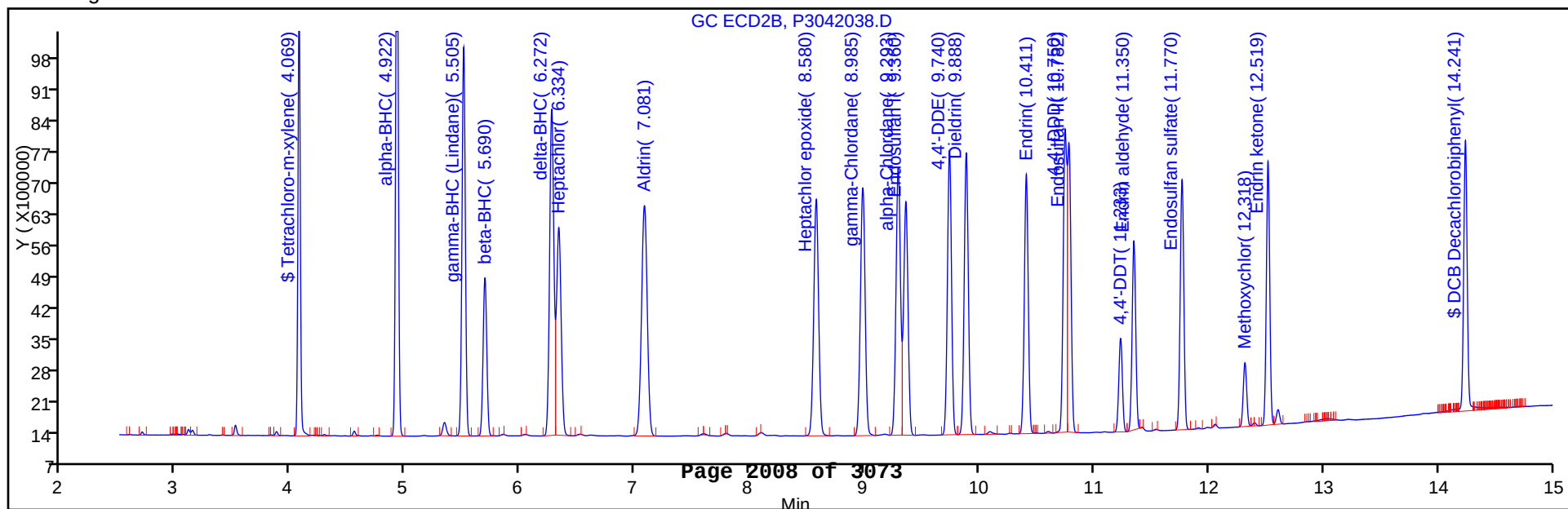
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22852-1
 SDG No.: _____
 Lab Sample ID: CCV 240-82857/38 Calibration Date: 04/21/2013 01:26
 Instrument ID: A2HP3 Calib Start Date: 03/14/2013 14:20
 GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 03/14/2013 16:00
 Lab File ID: P3042038.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	769922401	857022560		0.0278	0.0250	11.3	20.0
gamma-BHC (Lindane)	Ave	677058072	713859560		0.0264	0.0250	5.4	20.0
beta-BHC	Ave	295707343	320683040		0.0271	0.0250	8.4	20.0
delta-BHC	Ave	695621800	765293920		0.0275	0.0250	10.0	20.0
Heptachlor	Ave	582970513	517450080		0.0222	0.0250	-11.2	20.0
Aldrin	Ave	666083583	721648120		0.0271	0.0250	8.3	20.0
Heptachlor epoxide	Ave	581320598	631270960		0.0271	0.0250	8.6	20.0
gamma-Chlordane	Ave	586604093	643421560		0.0274	0.0250	9.7	20.0
alpha-Chlordane	Ave	610326008	658980280		0.0270	0.0250	8.0	20.0
Endosulfan I	Ave	531325762	559014840		0.0263	0.0250	5.2	20.0
4,4'-DDE	Ave	609850598	635971120		0.0261	0.0250	4.3	20.0
Dieldrin	Ave	594383876	633667480		0.0267	0.0250	6.6	20.0
Endrin	Ave	535793583	551233280		0.0257	0.0250	2.9	20.0
4,4'-DDD	Ave	427546511	623933280		0.0365	0.0250	45.9*	20.0
Endosulfan II	Ave	485472127	524013600		0.0270	0.0250	7.9	20.0
4,4'-DDT	Ave	395546624	185801200		0.0117	0.0250	-53.0*	20.0
Endrin aldehyde	Ave	395073591	370154840		0.0234	0.0250	-6.3	20.0
Endosulfan sulfate	Ave	442236050	497606560		0.0281	0.0250	12.5	20.0
Methoxychlor	Ave	199518519	121850600		0.0153	0.0250	-38.9*	20.0
Endrin ketone	Ave	501538938	486110120		0.0242	0.0250	-3.1	20.0
Tetrachloro-m-xylene	Ave	603960426	562461080		0.0233	0.0250	-6.9	20.0
DCB Decachlorobiphenyl	Ave	480698861	518872600		0.0270	0.0250	7.9	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22852-1
 SDG No.: _____
 Lab Sample ID: CCV 240-82857/38 Calibration Date: 04/21/2013 01:26
 Instrument ID: A2HP3 Calib Start Date: 03/14/2013 14:20
 GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 03/14/2013 16:00
 Lab File ID: P3042038.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.92	4.89	4.95
gamma-BHC (Lindane)	5.51	5.48	5.54
beta-BHC	5.69	5.66	5.72
delta-BHC	6.27	6.24	6.30
Heptachlor	6.33	6.30	6.36
Aldrin	7.08	7.05	7.11
Heptachlor epoxide	8.58	8.55	8.61
gamma-Chlordane	8.99	8.96	9.02
alpha-Chlordane	9.29	9.26	9.32
Endosulfan I	9.36	9.33	9.39
4,4'-DDE	9.74	9.71	9.77
Dieldrin	9.89	9.86	9.92
Endrin	10.41	10.38	10.44
4,4'-DDD	10.75	10.72	10.78
Endosulfan II	10.78	10.75	10.81
4,4'-DDT	11.23	11.20	11.26
Endrin aldehyde	11.35	11.32	11.38
Endosulfan sulfate	11.77	11.74	11.80
Methoxychlor	12.32	12.29	12.35
Endrin ketone	12.52	12.49	12.55
Tetrachloro-m-xylene	4.07	4.04	4.10
DCB Decachlorobiphenyl	14.24	14.21	14.27

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP3\20130420-19105.b\P3042038.D
 Lims ID: CCV AB3 Client ID:
 Inject. Date: 21-Apr-2013 01:26:15 Dil. Factor: 1.0000
 Sample Type: CCV
 Sample ID: 240-0019105-038
 Misc. Info.:
 Operator: 402582 Instrument ID: A2HP3
 Injection Vol: 1.0 ul ALS Bottle#: 38
 Lims Batch ID: 82857 Lims Sample ID: 38
 Sublist: chrom-PEST3*sub7
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCCChrom\ChromData\A2HP3\20130420-19105.b\PEST3.m
 Last Update: 22-Apr-2013 10:31:24 Calib Date: 16-Apr-2013 14:58:16
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP3\20130416-18914.b\P3041609.D
 Limit Group: GC 8081 D0D ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK028

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

\$ 29 Tetrachloro-m-xylene

1	100	3.474	3.474	0.000	26696657	0.0243			
2	100	4.069	4.069	0.000	14061527	0.0233			

RPD = 4.14

5 alpha-BHC

1	100	4.162	4.162	0.000	42170451	0.0260			
2	100	4.922	4.922	0.000	21425564	0.0278			

RPD = 6.90

20 gamma-BHC (Lindane)

1	100	4.540	4.540	0.000	35338398	0.0243			
2	100	5.505	5.505	0.000	17846489	0.0264			

RPD = 8.19

7 beta-BHC

1	100	4.673	4.673	0.000	15271558	0.0247			
2	100	5.690	5.690	0.000	8017076	0.0271			

RPD = 9.34

11 delta-BHC

1	100	4.886	4.886	0.000	37486035	0.0253			
2	100	6.272	6.272	0.000	19132348	0.0275			

RPD = 8.25

22 Heptachlor

1	100	5.167	5.167	0.000	27842416	0.0216			
2	100	6.334	6.334	0.000	12936252	0.0222			

RPD = 2.62

4 Aldrin

1	100	5.616	5.616	0.000	35338992	0.0260			
2	100	7.081	7.081	0.000	18041203	0.0271			

RPD = 4.15

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.834	6.834	0.000	31254045	0.0254			
2	100	8.580	8.580	0.000	15781774	0.0271			
						RPD = 6.61			
21 gamma-Chlordane									
1	100	7.133	7.133	0.000	32167860	0.0255			
2	100	8.985	8.985	0.000	16085539	0.0274			
						RPD = 7.42			
6 alpha-Chlordane									
1	100	7.483	7.483	0.000	33127394	0.0257			
2	100	9.293	9.293	0.000	16474507	0.0270			
						RPD = 4.96			
14 Endosulfan I									
1	100	7.760	7.760	0.000	28487807	0.0247			
2	100	9.360	9.360	0.000	13975371	0.0263			
						RPD = 6.22			
2 4,4'-DDE									
1	100	7.860	7.860	0.000	32125470	0.0254			
2	100	9.740	9.740	0.000	15899278	0.0261			
						RPD = 2.74			
13 Dieldrin									
1	100	8.325	8.325	0.000	32340129	0.0255			
2	100	9.888	9.888	0.000	15841687	0.0267			
						RPD = 4.43			
17 Endrin									
1	100	8.782	8.782	0.000	28802737	0.0242			
2	100	10.411	10.411	0.000	13780832	0.0257			
						RPD = 6.00			
1 4,4'-DDD									
1	100	9.150	9.150	0.000	30214873	0.0311			
2	100	10.750	10.750	0.000	15598332	0.0365			
						RPD = 15.81			
15 Endosulfan II									
1	100	9.236	9.236	0.000	27150191	0.0248			
2	100	10.782	10.782	0.000	13100340	0.0270			
						RPD = 8.42			
3 4,4'-DDT									
1	100	9.677	9.677	0.000	10792498	0.0117			
2	100	11.233	11.233	0.000	4645030	0.0117			
						RPD = 0.35			
18 Endrin aldehyde									
1	100	10.040	10.040	0.000	19282171	0.0219			
2	100	11.350	11.350	0.000	9253871	0.0234			
						RPD = 6.75			
27 Methoxychlor									
1	100	10.638	10.638	0.000	7167896	0.0155			
2	100	12.318	12.318	0.000	3046265	0.0153			
						RPD = 1.73			

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

16 Endosulfan sulfate

1	100	10.770	10.770	0.000	25166338	0.0257			
2	100	11.770	11.770	0.000	12440164	0.0281			

RPD = 9.21

19 Endrin ketone

1	100	11.171	11.171	0.000	25419271	0.0222			
2	100	12.519	12.519	0.000	12152753	0.0242			

RPD = 8.72

\$ 10 DCB Decachlorobiphenyl

1	100	12.792	12.792	0.000	25308886	0.0264			
2	100	14.241	14.241	0.000	12971815	0.0270			

RPD = 2.36

Report Date: 22-Apr-2013 10:31:25

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP3\20130420-19105.b\P3042038.D

Injection Date: 21-Apr-2013 01:26:15

Limit Group: GC 8081 D0D ICAL

Client ID:

Instrument ID: A2HP3

Lims Batch ID: 82857

Lims Sample ID: 38

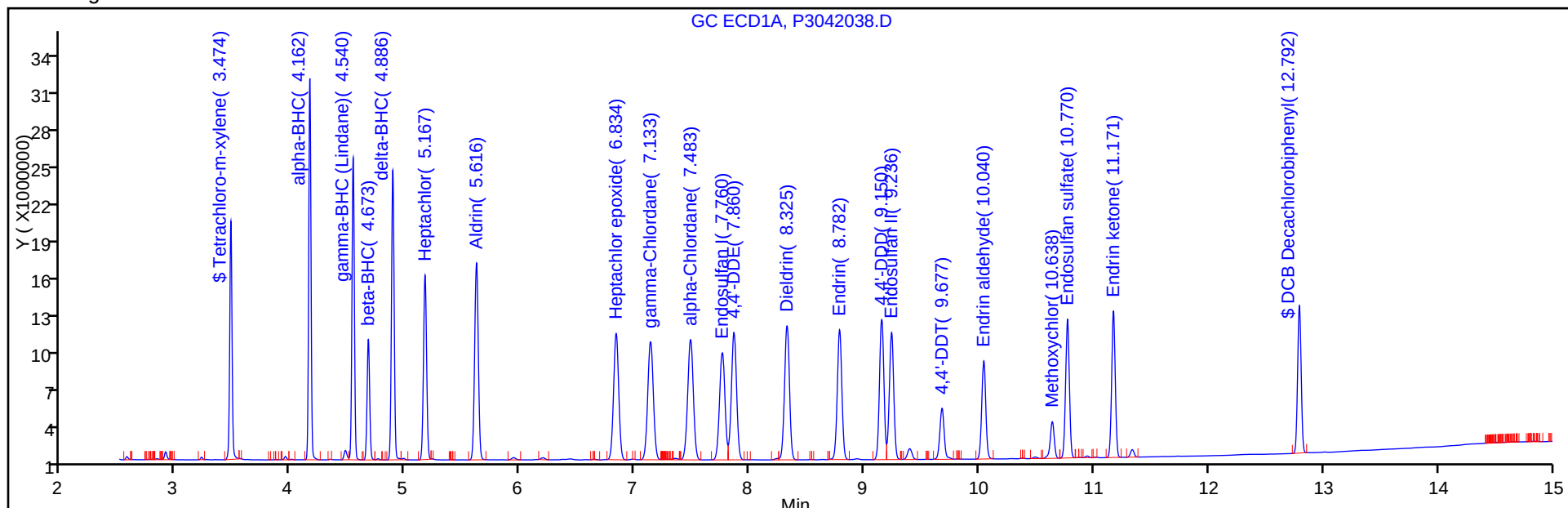
Operator ID: 402582

Injection Vol: 1.0 ul

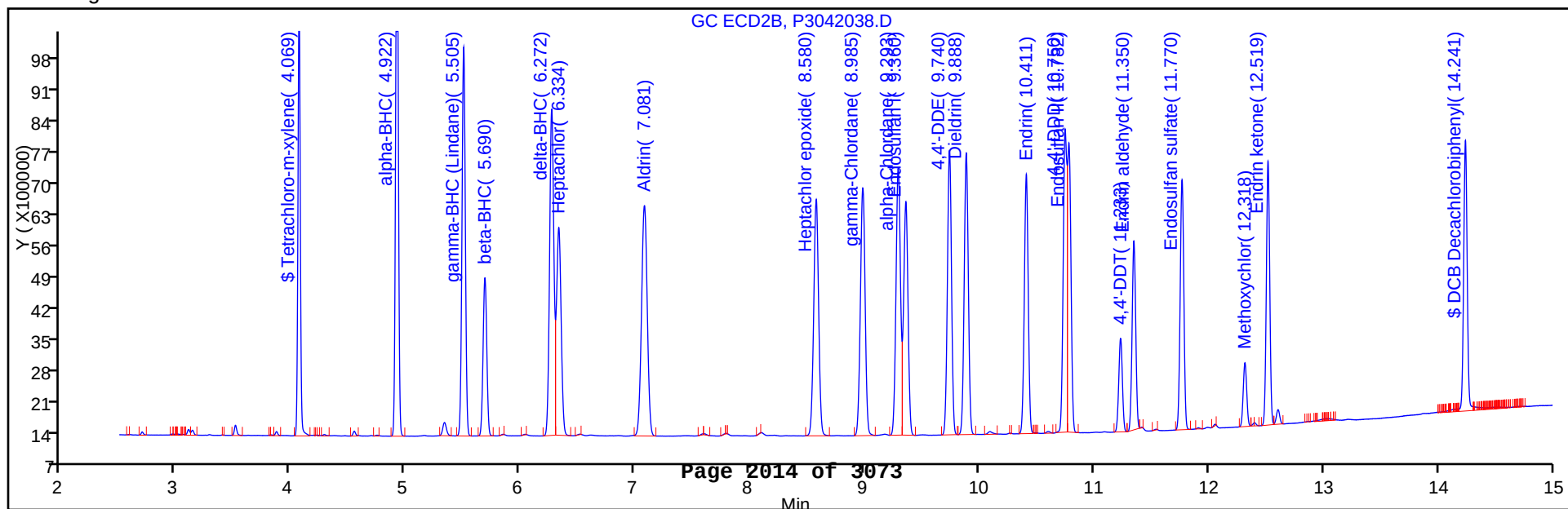
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22852-1
SDG No.: _____
Lab Sample ID: ICV 240-83061/10 Calibration Date: 04/22/2013 20:33
Instrument ID: A2HP3 Calib Start Date: 04/22/2013 18:52
GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 04/22/2013 20:13
Lab File ID: P3042210.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Ave	38294747	42754851		1.12	1.00	11.6	20.0
Toxaphene Peak 2	Ave	36690952	34702782		0.946	1.00	-5.4	20.0
Toxaphene Peak 3	Ave	28834208	38839702		1.35	1.00	34.7*	20.0
Toxaphene Peak 4	Ave	23017922	29385098		1.28	1.00	27.7*	20.0
Toxaphene Peak 5	Ave	18081479	23056828		1.28	1.00	27.5*	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22852-1
SDG No.: _____
Lab Sample ID: ICV 240-83061/10 Calibration Date: 04/22/2013 20:33
Instrument ID: A2HP3 Calib Start Date: 04/22/2013 18:52
GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 04/22/2013 20:13
Lab File ID: P3042210.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	10.22	10.20	10.26
Toxaphene Peak 2	10.57	10.54	10.60
Toxaphene Peak 3	10.72	10.69	10.75
Toxaphene Peak 4	11.14	11.11	11.17
Toxaphene Peak 5	11.41	11.38	11.44

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042210.D
 Lims ID: ICV TOX Client ID:
 Inject. Date: 22-Apr-2013 20:33:17 Dil. Factor: 1.0000
 Sample Type: ICV
 Sample ID: 240-0019145-010
 Misc. Info.:
 Operator: 402582 Instrument ID: A2HP3
 Injection Vol: 1.0 ul ALS Bottle#: 10
 Lims Batch ID: 83061 Lims Sample ID: 10
 Sublist:
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCChrom\ChromData\A2HP3\20130422-19145.b\PEST3.m
 Last Update: 23-Apr-2013 11:43:08 Calib Date: 23-Apr-2013 00:35:13
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042222.D
 Limit Group: GC 8081 D0D ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK013

First Level Reviewer: shockr

Date: 23-Apr-2013 09:15:24

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	1	10.223	10.226	-0.003	42754851	1.12		100.0	M
1	2	10.569	10.570	-0.001	34702782	0.9458	77.7- 117.7	81.2	M
1	3	10.721	10.719	0.002	38839702	1.35	57.0- 97.0	90.8	M
1	4	11.139	11.140	-0.001	29385098	1.28	39.5- 79.5	68.7	M
1	5	11.412	11.411	0.001	23056828	1.28	26.4- 66.4	53.9	M
Average of Peak Amounts =						1.19			
2	100	10.326	10.329	-0.003	12382909	0.8269		100.0	M
2	2	10.920	10.923	-0.003	11105333	0.6056	102.8- 142.8	89.7	M
2	3	11.343	11.344	-0.001	12517824	0.5839	124.4- 164.4	101.1	M
2	4	12.086	12.088	-0.002	19493606	0.8122	139.5- 179.5	157.4	M
2	5	12.647	12.649	-0.002	14284121	1.48	45.4- 85.4	115.4	M
Average of Peak Amounts =						0.8621			
						RPD = 32.14			

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 23-Apr-2013 11:43:11

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP3\20130422-19145.b\P3042210.D

Injection Date: 22-Apr-2013 20:33:17

Limit Group: GC 8081 D0D ICAL

Client ID:

Instrument ID: A2HP3

Lims Batch ID: 83061

Lims Sample ID: 10

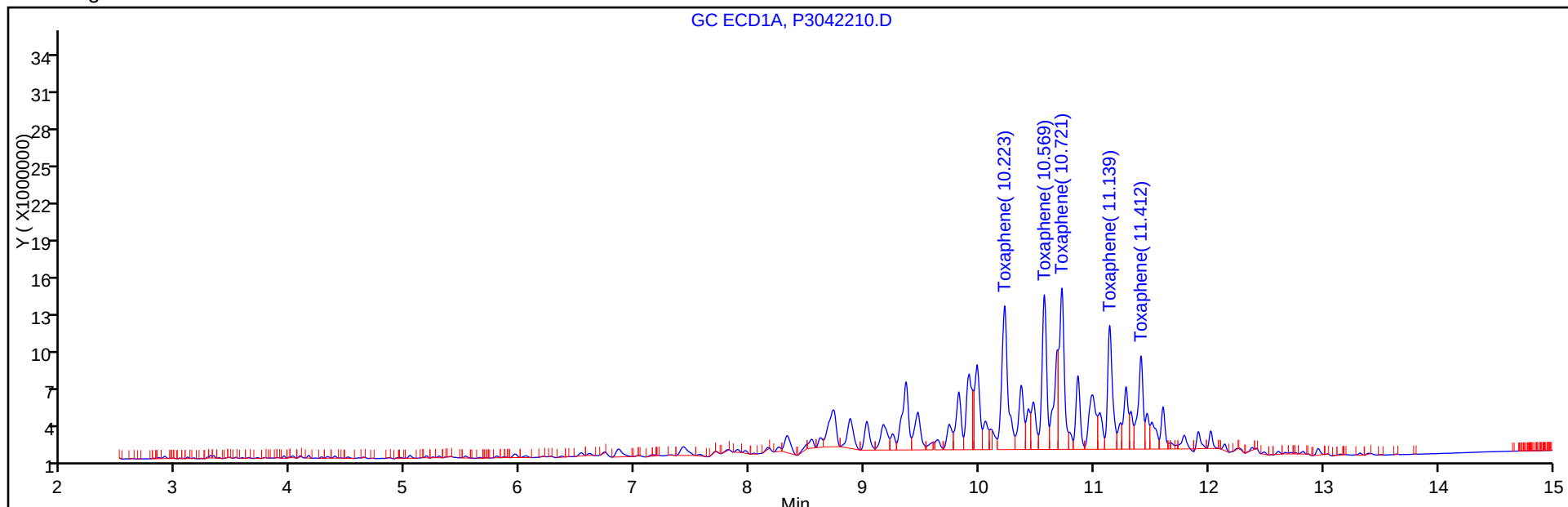
Operator ID: 402582

Injection Vol: 1.0 ul

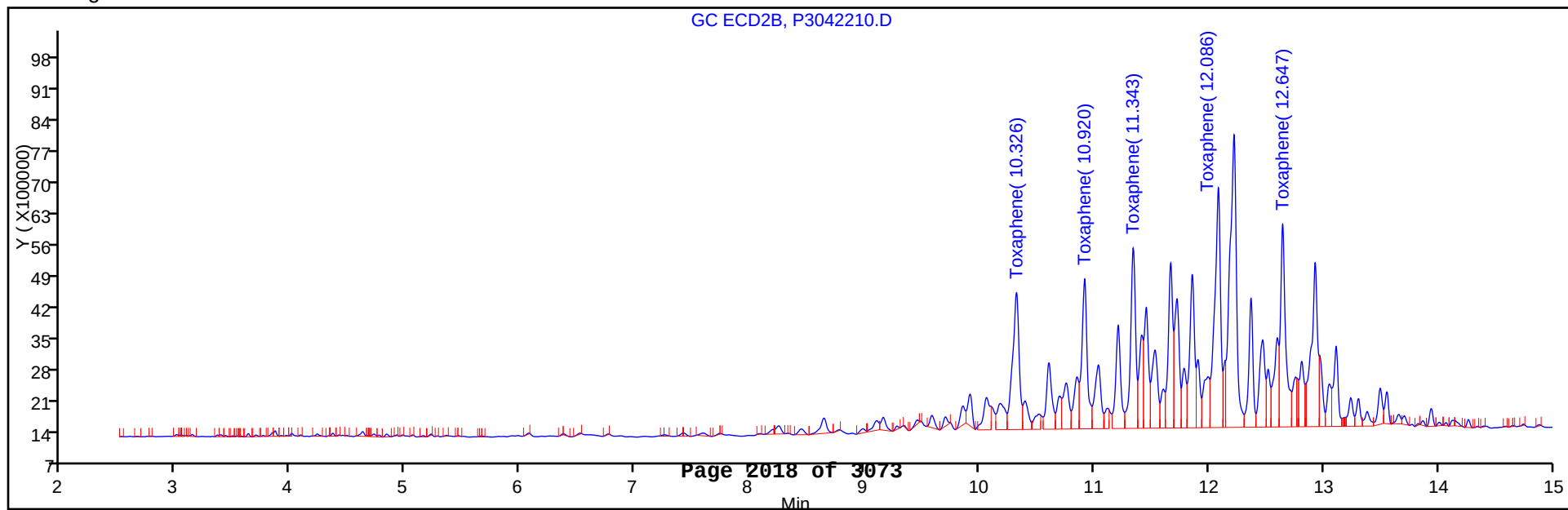
Column Type:

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\A2HP3\20130422-19145.b\P3042210.D

Injection Date: 22-Apr-2013 20:33:17

Limit Group: GC 8081 D0D ICAL

Client ID:

Instrument ID: A2HP3

Lims Batch ID: 83061

Lims Sample ID: 10

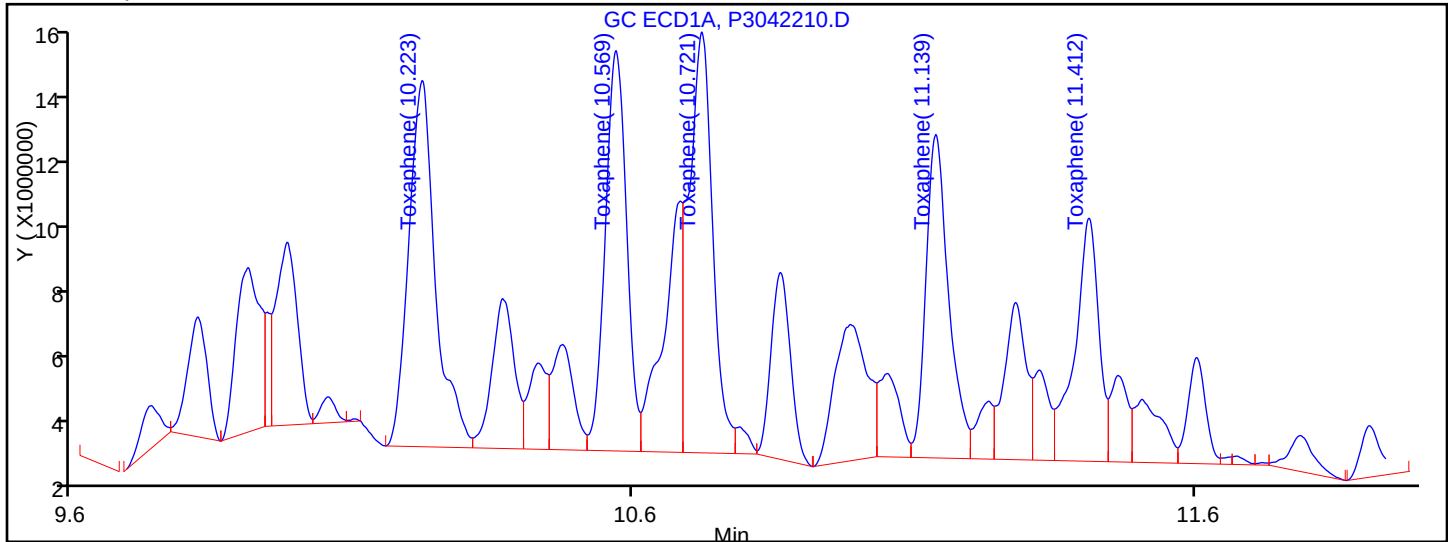
Operator ID: 402582

Injection Vol: 1.0 ul

Column Type:

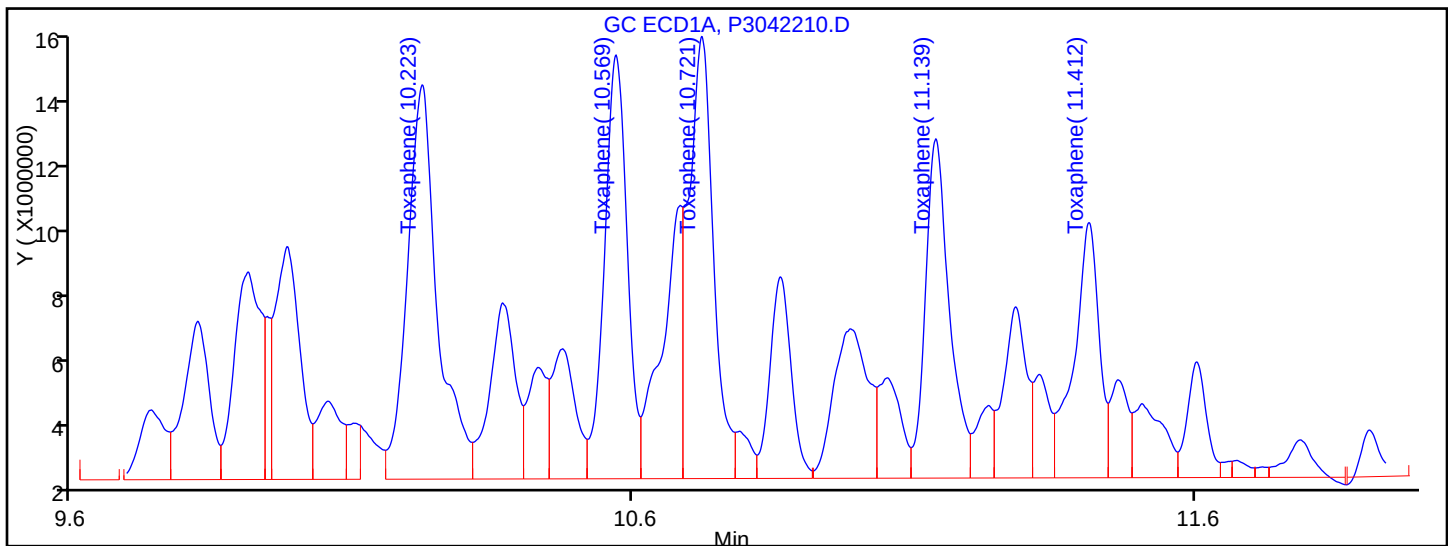
Column Dia:

30 Toxaphene, Detector: 1, GC ECD1A



Processing Integration Results

RT = 10.223	Response = 35244562	M
RT = 10.569	Response = 30793185	M
RT = 10.721	Response = 35399843	M
RT = 11.139	Response = 26499887	M
RT = 11.412	Response = 21002747	M



Manual Integration Results

RT = 10.223	Response = 42754851	M
RT = 10.569	Response = 34702782	M
RT = 10.721	Response = 38839702	M
RT = 11.139	Response = 29385098	M
RT = 11.412	Response = 23056828	M

Reviewer: shockr, 23-Apr-2013 09:15:24

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22852-1
SDG No.: _____
Lab Sample ID: ICV 240-83061/10 Calibration Date: 04/22/2013 20:33
Instrument ID: A2HP3 Calib Start Date: 04/22/2013 18:52
GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 04/22/2013 20:13
Lab File ID: P3042210.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Ave	14975845	12382909		0.827	1.00	-17.3	20.0
Toxaphene Peak 2	Ave	18337483	11105333		0.606	1.00	-39.4*	20.0
Toxaphene Peak 3	Ave	21437307	12517824		0.584	1.00	-41.6*	20.0
Toxaphene Peak 4	Ave	24002348	19493606		0.812	1.00	-18.8	20.0
Toxaphene Peak 5	Ave	9638555	14284121		1.48	1.00	48.2*	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22852-1
SDG No.: _____
Lab Sample ID: ICV 240-83061/10 Calibration Date: 04/22/2013 20:33
Instrument ID: A2HP3 Calib Start Date: 04/22/2013 18:52
GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 04/22/2013 20:13
Lab File ID: P3042210.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	10.33	10.30	10.36
Toxaphene Peak 2	10.92	10.89	10.95
Toxaphene Peak 3	11.34	11.31	11.37
Toxaphene Peak 4	12.09	12.06	12.12
Toxaphene Peak 5	12.65	12.62	12.68

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042210.D
 Lims ID: ICV TOX Client ID:
 Inject. Date: 22-Apr-2013 20:33:17 Dil. Factor: 1.0000
 Sample Type: ICV
 Sample ID: 240-0019145-010
 Misc. Info.:
 Operator: 402582 Instrument ID: A2HP3
 Injection Vol: 1.0 ul ALS Bottle#: 10
 Lims Batch ID: 83061 Lims Sample ID: 10
 Sublist:
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCChrom\ChromData\A2HP3\20130422-19145.b\PEST3.m
 Last Update: 23-Apr-2013 11:43:08 Calib Date: 23-Apr-2013 00:35:13
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042222.D
 Limit Group: GC 8081 D0D ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK013

First Level Reviewer: shockr

Date: 23-Apr-2013 09:15:24

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	1	10.223	10.226	-0.003	42754851	1.12		100.0	M
1	2	10.569	10.570	-0.001	34702782	0.9458	77.7- 117.7	81.2	M
1	3	10.721	10.719	0.002	38839702	1.35	57.0- 97.0	90.8	M
1	4	11.139	11.140	-0.001	29385098	1.28	39.5- 79.5	68.7	M
1	5	11.412	11.411	0.001	23056828	1.28	26.4- 66.4	53.9	M
Average of Peak Amounts =						1.19			
2	100	10.326	10.329	-0.003	12382909	0.8269		100.0	M
2	2	10.920	10.923	-0.003	11105333	0.6056	102.8- 142.8	89.7	M
2	3	11.343	11.344	-0.001	12517824	0.5839	124.4- 164.4	101.1	M
2	4	12.086	12.088	-0.002	19493606	0.8122	139.5- 179.5	157.4	M
2	5	12.647	12.649	-0.002	14284121	1.48	45.4- 85.4	115.4	M
Average of Peak Amounts =						0.8621			
						RPD = 32.14			

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 23-Apr-2013 11:43:11

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP3\20130422-19145.b\P3042210.D

Injection Date: 22-Apr-2013 20:33:17

Limit Group: GC 8081 D0D ICAL

Client ID:

Instrument ID: A2HP3

Lims Batch ID: 83061

Lims Sample ID: 10

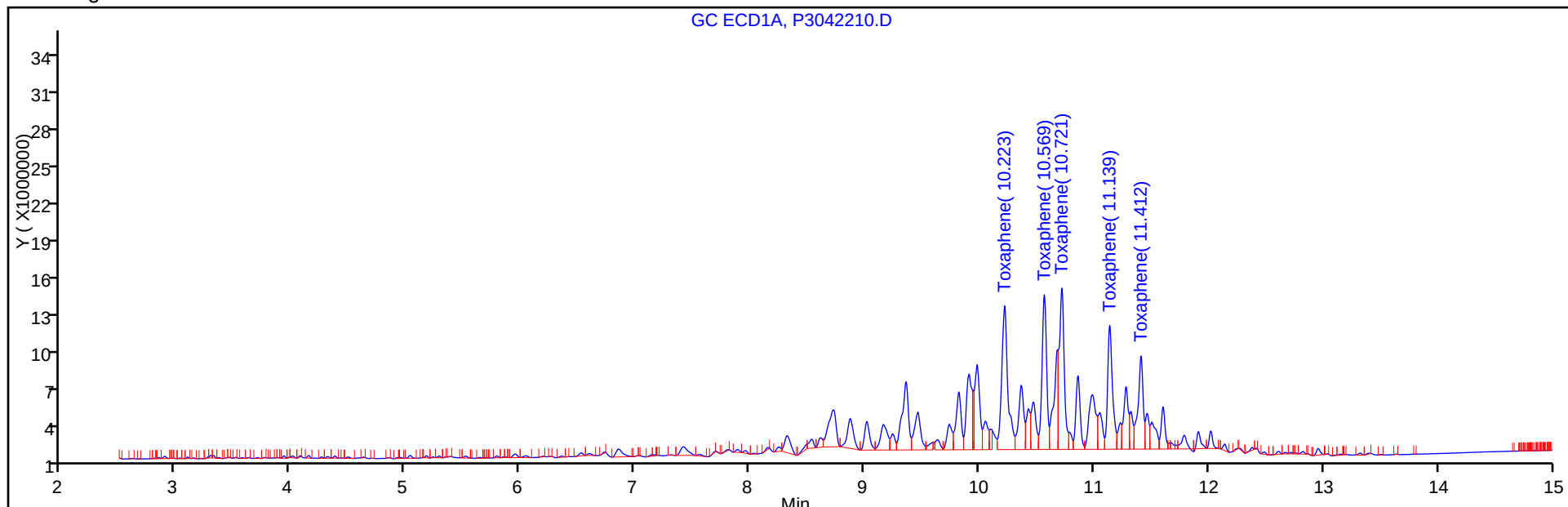
Operator ID: 402582

Injection Vol: 1.0 ul

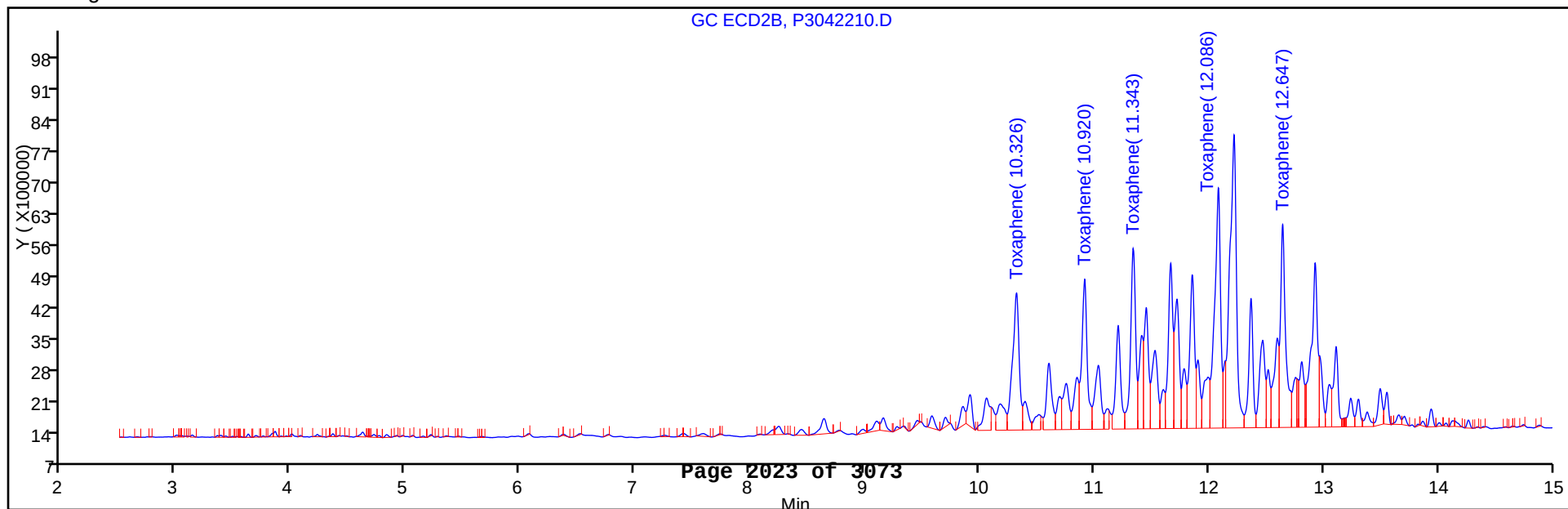
Column Type:

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\A2HP3\20130422-19145.b\P3042210.D

Injection Date: 22-Apr-2013 20:33:17

Limit Group: GC 8081 D0D ICAL

Client ID:

Instrument ID: A2HP3

Lims Batch ID: 83061

Lims Sample ID: 10

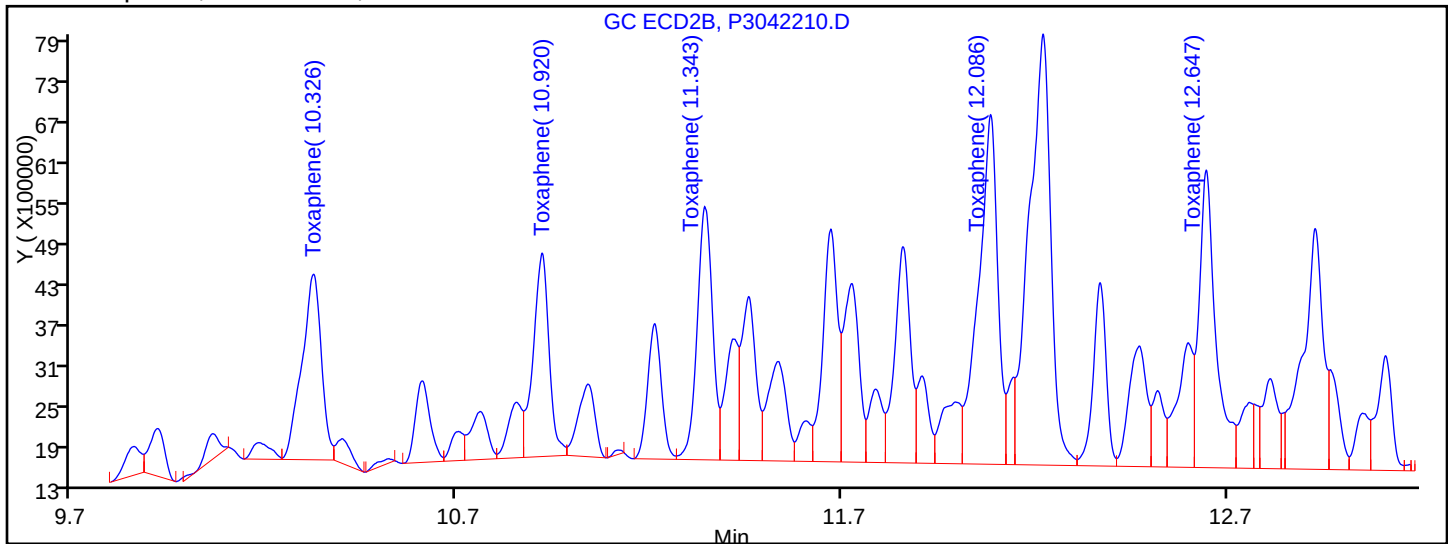
Operator ID: 402582

Injection Vol: 1.0 ul

Column Type:

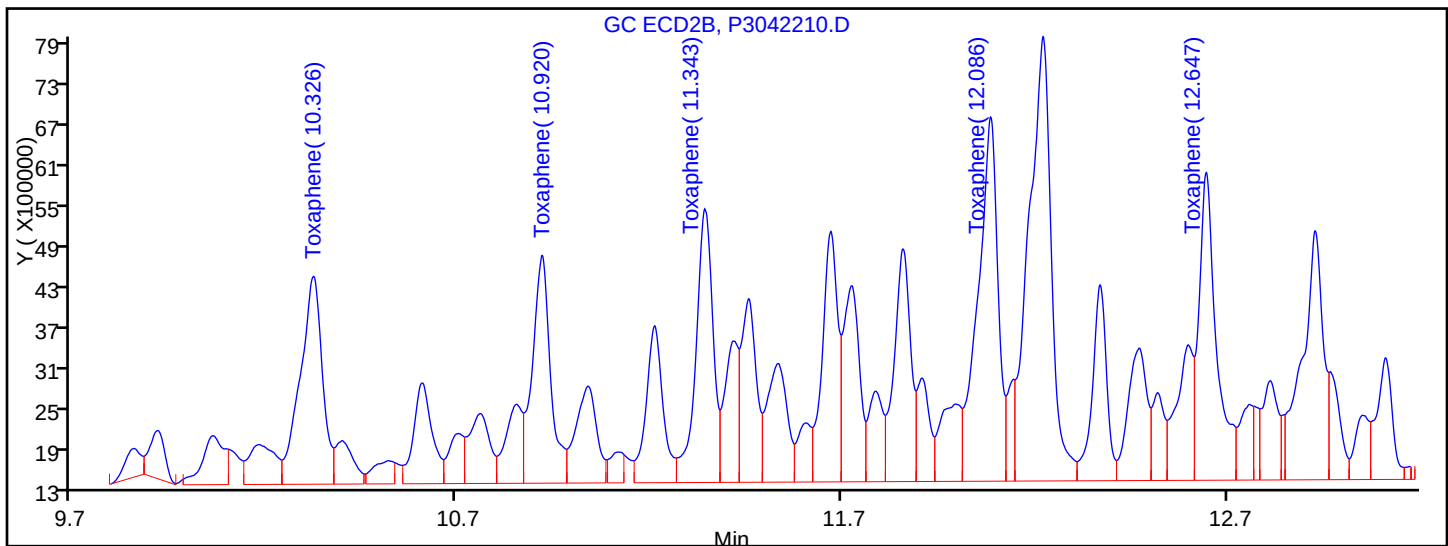
Column Dia:

30 Toxaphene, Detector: 2, GC ecd2b



Processing Integration Results

RT = 10.326	Response = 9687455	M
RT = 10.920	Response = 8631289	M
RT = 11.343	Response = 10427317	M
RT = 12.086	Response = 17977618	M
RT = 12.647	Response = 13278905	M



Manual Integration Results

RT = 10.326	Response = 12382909	M
RT = 10.920	Response = 11105333	M
RT = 11.343	Response = 12517824	M
RT = 12.086	Response = 19493606	M
RT = 12.647	Response = 14284121	M

Reviewer: shockr, 23-Apr-2013 09:15:24

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22852-1
 SDG No.: _____
 Lab Sample ID: ICV 240-83061/23 Calibration Date: 04/23/2013 00:55
 Instrument ID: A2HP3 Calib Start Date: 04/22/2013 22:54
 GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 04/23/2013 00:35
 Lab File ID: P3042223.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	1359242943	1374007160		0.0253	0.0250	1.1	20.0
gamma-BHC (Lindane)	Ave	1208604110	1211952080		0.0251	0.0250	0.3	20.0
beta-BHC	Ave	519268069	514506400		0.0248	0.0250	-0.9	20.0
delta-BHC	Ave	1224286313	1221560360		0.0249	0.0250	-0.2	20.0
Heptachlor	Ave	1032014038	1004448080		0.0243	0.0250	-2.7	20.0
Aldrin	Ave	1088122939	1100273760		0.0253	0.0250	1.1	20.0
Heptachlor epoxide	Ave	992844247	983297080		0.0248	0.0250	-1.0	20.0
gamma-Chlordane	Ave	998864799	979041880		0.0245	0.0250	-2.0	20.0
alpha-Chlordane	Ave	1023188492	979992600		0.0239	0.0250	-4.2	20.0
Endosulfan I	Ave	906422798	887866720		0.0245	0.0250	-2.0	20.0
4,4'-DDE	Ave	968863059	940999000		0.0243	0.0250	-2.9	20.0
Dieldrin	Ave	998340371	975692480		0.0244	0.0250	-2.3	20.0
Endrin	Ave	929514238	885790440		0.0238	0.0250	-4.7	20.0
4,4'-DDD	Ave	747950398	721782640		0.0241	0.0250	-3.5	20.0
Endosulfan II	Ave	839808708	813750200		0.0242	0.0250	-3.1	20.0
4,4'-DDT	Ave	703196613	681998400		0.0242	0.0250	-3.0	20.0
Endrin aldehyde	Ave	644279437	621524600		0.0241	0.0250	-3.5	20.0
Methoxychlor	Ave	353664852	342393840		0.0242	0.0250	-3.2	20.0
Endosulfan sulfate	Ave	775754698	762841680		0.0246	0.0250	-1.7	20.0
Endrin ketone	Ave	898237216	845988200		0.0235	0.0250	-5.8	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22852-1
 SDG No.: _____
 Lab Sample ID: ICV 240-83061/23 Calibration Date: 04/23/2013 00:55
 Instrument ID: A2HP3 Calib Start Date: 04/22/2013 22:54
 GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 04/23/2013 00:35
 Lab File ID: P3042223.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.16	4.13	4.19
gamma-BHC (Lindane)	4.54	4.51	4.57
beta-BHC	4.67	4.64	4.70
delta-BHC	4.89	4.85	4.91
Heptachlor	5.17	5.14	5.20
Aldrin	5.61	5.58	5.64
Heptachlor epoxide	6.83	6.80	6.86
gamma-Chlordane	7.13	7.10	7.16
alpha-Chlordane	7.48	7.44	7.50
Endosulfan I	7.75	7.72	7.78
4,4'-DDE	7.86	7.82	7.88
Dieldrin	8.32	8.29	8.35
Endrin	8.78	8.75	8.81
4,4'-DDD	9.14	9.12	9.18
Endosulfan II	9.23	9.20	9.26
4,4'-DDT	9.67	9.64	9.70
Endrin aldehyde	10.04	10.01	10.07
Methoxychlor	10.64	10.61	10.67
Endosulfan sulfate	10.77	10.74	10.80
Endrin ketone	11.17	11.14	11.20

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP3\20130422-19145.b\P3042223.D
 Lims ID: ICV AB Client ID:
 Inject. Date: 23-Apr-2013 00:55:21 Dil. Factor: 1.0000
 Sample Type: ICV
 Sample ID: 240-0019145-023
 Misc. Info.:
 Operator: 402582 Instrument ID: A2HP3
 Injection Vol: 1.0 ul ALS Bottle#: 23
 Lims Batch ID: 83061 Lims Sample ID: 23
 Sublist:
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCCChrom\ChromData\A2HP3\20130422-19145.b\PEST3.m
 Last Update: 23-Apr-2013 10:54:09 Calib Date: 23-Apr-2013 00:35:13
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP3\20130422-19145.b\P3042222.D
 Limit Group: GC 8081 D0D 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
5 alpha-BHC									
1	100	4.161	4.161	0.000	34350179	0.0253			
2	100	4.919	4.918	0.001	17469562	0.0245			
						RPD = 3.25			
20 gamma-BHC (Lindane)									
1	100	4.539	4.539	0.000	30298802	0.0251			
2	100	5.499	5.498	0.001	15134718	0.0241			
						RPD = 3.76			
7 beta-BHC									
1	100	4.671	4.671	0.000	12862660	0.0248			
2	100	5.684	5.684	0.000	6860524	0.0246			
						RPD = 0.62			
11 delta-BHC									
1	100	4.885	4.884	0.001	30539009	0.0249			
2	100	6.266	6.265	0.001	15780754	0.0243			
						RPD = 2.57			
22 Heptachlor									
1	100	5.165	5.165	0.000	25111202	0.0243			
2	100	6.327	6.327	0.000	11589103	0.0234			
						RPD = 3.69			
4 Aldrin									
1	100	5.612	5.611	0.001	27506844	0.0253			
2	100	7.071	7.073	-0.002	14229636	0.0246			
						RPD = 2.83			
23 Heptachlor epoxide									
1	100	6.828	6.826	0.002	24582427	0.0248			
2	100	8.571	8.571	0.000	12559929	0.0245			
						RPD = 1.25			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
21 gamma-Chlordane									
1	100	7.128	7.125	0.003	24476047	0.0245			
2	100	8.979	8.977	0.002	12344861	0.0243			
						RPD = 0.98			
6 alpha-Chlordane									
1	100	7.475	7.474	0.001	24499815	0.0239			
2	100	9.287	9.288	-0.001	12366428	0.0237			
						RPD = 1.19			
14 Endosulfan I									
1	100	7.751	7.751	0.000	22196668	0.0245			
2	100	9.355	9.352	0.003	11054234	0.0241			
						RPD = 1.70			
2 4,4'-DDE									
1	100	7.855	7.853	0.002	23524975	0.0243			
2	100	9.734	9.734	0.000	11923013	0.0240			
						RPD = 1.19			
13 Dieldrin									
1	100	8.316	8.315	0.001	24392312	0.0244			
2	100	9.881	9.881	0.000	12143127	0.0243			
						RPD = 0.70			
17 Endrin									
1	100	8.777	8.776	0.001	22144761	0.0238			
2	100	10.403	10.403	0.000	10784054	0.0235			
						RPD = 1.31			
1 4,4'-DDD									
1	100	9.143	9.145	-0.002	18044566	0.0241			
2	100	10.745	10.744	0.001	7980078	0.0229			
						RPD = 5.27			
15 Endosulfan II									
1	100	9.230	9.229	0.001	20343755	0.0242			
2	100	10.775	10.775	0.000	10497428	0.0246			
						RPD = 1.37			
3 4,4'-DDT									
1	100	9.671	9.671	0.000	17049960	0.0242			
2	100	11.225	11.224	0.001	7420868	0.0240			
						RPD = 1.19			
18 Endrin aldehyde									
1	100	10.035	10.035	0.000	15538115	0.0241			
2	100	11.340	11.341	-0.001	7696656	0.0238			
						RPD = 1.29			
27 Methoxychlor									
1	100	10.635	10.635	0.000	8559846	0.0242			
2	100	12.308	12.308	0.000	3695985	0.0240			
						RPD = 0.98			
16 Endosulfan sulfate									
1	100	10.767	10.767	0.000	19071042	0.0246			
2	100	11.760	11.759	0.001	9327300	0.0243			
						RPD = 1.26			

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

19 Endrin ketone

1 100 11.169 11.168 0.001 21149705 0.0235

2 100 12.510 12.510 0.000 9923529 0.0231

RPD = 1.98

Report Date: 23-Apr-2013 11:40:42

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP3\20130422-19145.b\P3042223.D

Injection Date: 23-Apr-2013 00:55:21

Limit Group: GC 8081 D0D ICAL

Client ID:

Instrument ID: A2HP3

Lims Batch ID: 83061

Lims Sample ID: 23

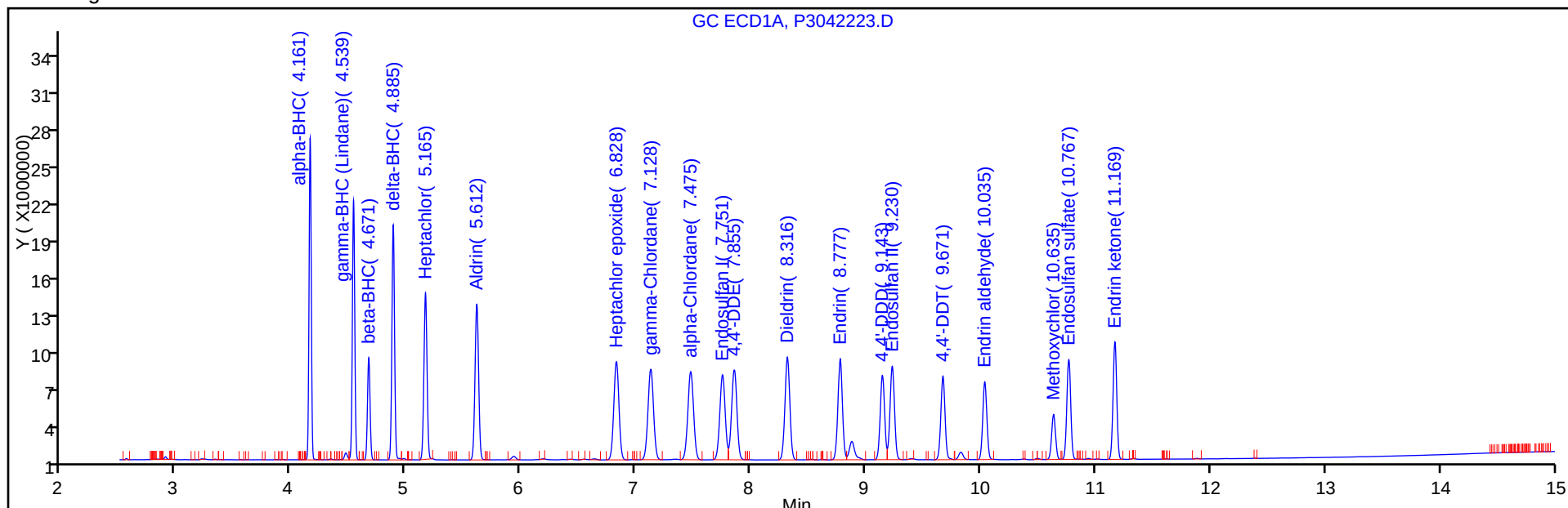
Operator ID: 402582

Injection Vol: 1.0 ul

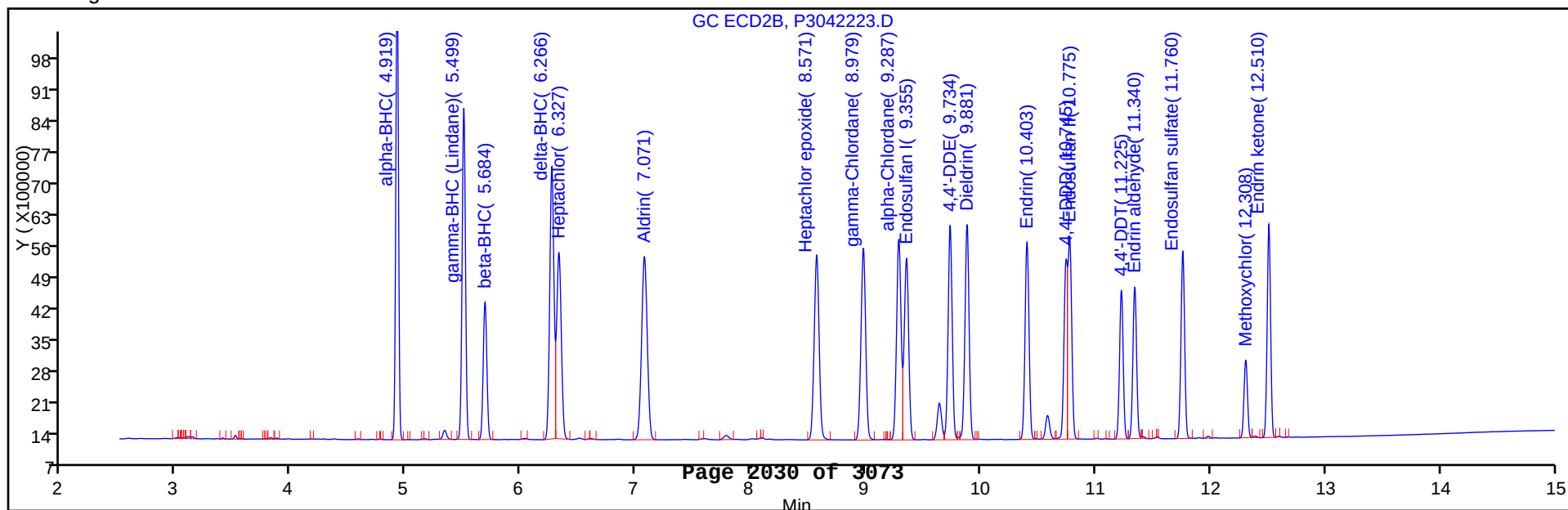
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22852-1
 SDG No.: _____
 Lab Sample ID: ICV 240-83061/23 Calibration Date: 04/23/2013 00:55
 Instrument ID: A2HP3 Calib Start Date: 04/22/2013 22:54
 GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 04/23/2013 00:35
 Lab File ID: P3042223.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	714126036	698782480		0.0245	0.0250	-2.1	20.0
gamma-BHC (Lindane)	Ave	626844478	605388720		0.0241	0.0250	-3.4	20.0
beta-BHC	Ave	278685187	274420960		0.0246	0.0250	-1.5	20.0
delta-BHC	Ave	649094974	631230160		0.0243	0.0250	-2.8	20.0
Heptachlor	Ave	494206075	463564120		0.0234	0.0250	-6.2	20.0
Aldrin	Ave	579038535	569185440		0.0246	0.0250	-1.7	20.0
Heptachlor epoxide	Ave	513668973	502397160		0.0245	0.0250	-2.2	20.0
gamma-Chlordane	Ave	508733248	493794440		0.0243	0.0250	-2.9	20.0
alpha-Chlordane	Ave	522623723	494657120		0.0237	0.0250	-5.4	20.0
Endosulfan I	Ave	459163342	442169360		0.0241	0.0250	-3.7	20.0
4,4'-DDE	Ave	496902560	476920520		0.0240	0.0250	-4.0	20.0
Dieldrin	Ave	500474757	485725080		0.0243	0.0250	-2.9	20.0
Endrin	Ave	458610093	431362160		0.0235	0.0250	-5.9	20.0
4,4'-DDD	Ave	348673589	319203120		0.0229	0.0250	-8.5	20.0
Endosulfan II	Ave	427445028	419897120		0.0246	0.0250	-1.8	20.0
4,4'-DDT	Ave	309716187	296834720		0.0240	0.0250	-4.2	20.0
Endrin aldehyde	Ave	323271966	307866240		0.0238	0.0250	-4.8	20.0
Endosulfan sulfate	Ave	384218328	373092000		0.0243	0.0250	-2.9	20.0
Methoxychlor	Ave	154205847	147839400		0.0240	0.0250	-4.1	20.0
Endrin ketone	Ave	429863795	396941160		0.0231	0.0250	-7.7	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22852-1
 SDG No.: _____
 Lab Sample ID: ICV 240-83061/23 Calibration Date: 04/23/2013 00:55
 Instrument ID: A2HP3 Calib Start Date: 04/22/2013 22:54
 GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 04/23/2013 00:35
 Lab File ID: P3042223.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.92	4.89	4.95
gamma-BHC (Lindane)	5.50	5.47	5.53
beta-BHC	5.68	5.65	5.71
delta-BHC	6.27	6.24	6.30
Heptachlor	6.33	6.30	6.36
Aldrin	7.07	7.04	7.10
Heptachlor epoxide	8.57	8.54	8.60
gamma-Chlordane	8.98	8.95	9.01
alpha-Chlordane	9.29	9.26	9.32
Endosulfan I	9.36	9.32	9.38
4,4'-DDE	9.73	9.70	9.76
Dieldrin	9.88	9.85	9.91
Endrin	10.40	10.37	10.43
4,4'-DDD	10.75	10.71	10.77
Endosulfan II	10.78	10.75	10.81
4,4'-DDT	11.23	11.19	11.25
Endrin aldehyde	11.34	11.31	11.37
Endosulfan sulfate	11.76	11.73	11.79
Methoxychlor	12.31	12.28	12.34
Endrin ketone	12.51	12.48	12.54

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042223.D
 Lims ID: ICV AB Client ID:
 Inject. Date: 23-Apr-2013 00:55:21 Dil. Factor: 1.0000
 Sample Type: ICV
 Sample ID: 240-0019145-023
 Misc. Info.:
 Operator: 402582 Instrument ID: A2HP3
 Injection Vol: 1.0 ul ALS Bottle#: 23
 Lims Batch ID: 83061 Lims Sample ID: 23
 Sublist:
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCChrom\ChromData\A2HP3\20130422-19145.b\PEST3.m
 Last Update: 23-Apr-2013 10:54:09 Calib Date: 23-Apr-2013 00:35:13
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042222.D
 Limit Group: GC 8081 D0D 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
5 alpha-BHC									
1	100	4.161	4.161	0.000	34350179	0.0253			
2	100	4.919	4.918	0.001	17469562	0.0245			
						RPD = 3.25			
20 gamma-BHC (Lindane)									
1	100	4.539	4.539	0.000	30298802	0.0251			
2	100	5.499	5.498	0.001	15134718	0.0241			
						RPD = 3.76			
7 beta-BHC									
1	100	4.671	4.671	0.000	12862660	0.0248			
2	100	5.684	5.684	0.000	6860524	0.0246			
						RPD = 0.62			
11 delta-BHC									
1	100	4.885	4.884	0.001	30539009	0.0249			
2	100	6.266	6.265	0.001	15780754	0.0243			
						RPD = 2.57			
22 Heptachlor									
1	100	5.165	5.165	0.000	25111202	0.0243			
2	100	6.327	6.327	0.000	11589103	0.0234			
						RPD = 3.69			
4 Aldrin									
1	100	5.612	5.611	0.001	27506844	0.0253			
2	100	7.071	7.073	-0.002	14229636	0.0246			
						RPD = 2.83			
23 Heptachlor epoxide									
1	100	6.828	6.826	0.002	24582427	0.0248			
2	100	8.571	8.571	0.000	12559929	0.0245			
						RPD = 1.25			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
21 gamma-Chlordane									
1	100	7.128	7.125	0.003	24476047	0.0245			
2	100	8.979	8.977	0.002	12344861	0.0243			
						RPD = 0.98			
6 alpha-Chlordane									
1	100	7.475	7.474	0.001	24499815	0.0239			
2	100	9.287	9.288	-0.001	12366428	0.0237			
						RPD = 1.19			
14 Endosulfan I									
1	100	7.751	7.751	0.000	22196668	0.0245			
2	100	9.355	9.352	0.003	11054234	0.0241			
						RPD = 1.70			
2 4,4'-DDE									
1	100	7.855	7.853	0.002	23524975	0.0243			
2	100	9.734	9.734	0.000	11923013	0.0240			
						RPD = 1.19			
13 Dieldrin									
1	100	8.316	8.315	0.001	24392312	0.0244			
2	100	9.881	9.881	0.000	12143127	0.0243			
						RPD = 0.70			
17 Endrin									
1	100	8.777	8.776	0.001	22144761	0.0238			
2	100	10.403	10.403	0.000	10784054	0.0235			
						RPD = 1.31			
1 4,4'-DDD									
1	100	9.143	9.145	-0.002	18044566	0.0241			
2	100	10.745	10.744	0.001	7980078	0.0229			
						RPD = 5.27			
15 Endosulfan II									
1	100	9.230	9.229	0.001	20343755	0.0242			
2	100	10.775	10.775	0.000	10497428	0.0246			
						RPD = 1.37			
3 4,4'-DDT									
1	100	9.671	9.671	0.000	17049960	0.0242			
2	100	11.225	11.224	0.001	7420868	0.0240			
						RPD = 1.19			
18 Endrin aldehyde									
1	100	10.035	10.035	0.000	15538115	0.0241			
2	100	11.340	11.341	-0.001	7696656	0.0238			
						RPD = 1.29			
27 Methoxychlor									
1	100	10.635	10.635	0.000	8559846	0.0242			
2	100	12.308	12.308	0.000	3695985	0.0240			
						RPD = 0.98			
16 Endosulfan sulfate									
1	100	10.767	10.767	0.000	19071042	0.0246			
2	100	11.760	11.759	0.001	9327300	0.0243			
						RPD = 1.26			

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

19 Endrin ketone

1 100 11.169 11.168 0.001 21149705 0.0235

2 100 12.510 12.510 0.000 9923529 0.0231

RPD = 1.98

Report Date: 23-Apr-2013 11:40:42

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP3\20130422-19145.b\P3042223.D

Injection Date: 23-Apr-2013 00:55:21

Limit Group: GC 8081 D0D ICAL

Client ID:

Instrument ID: A2HP3

Lims Batch ID: 83061

Lims Sample ID: 23

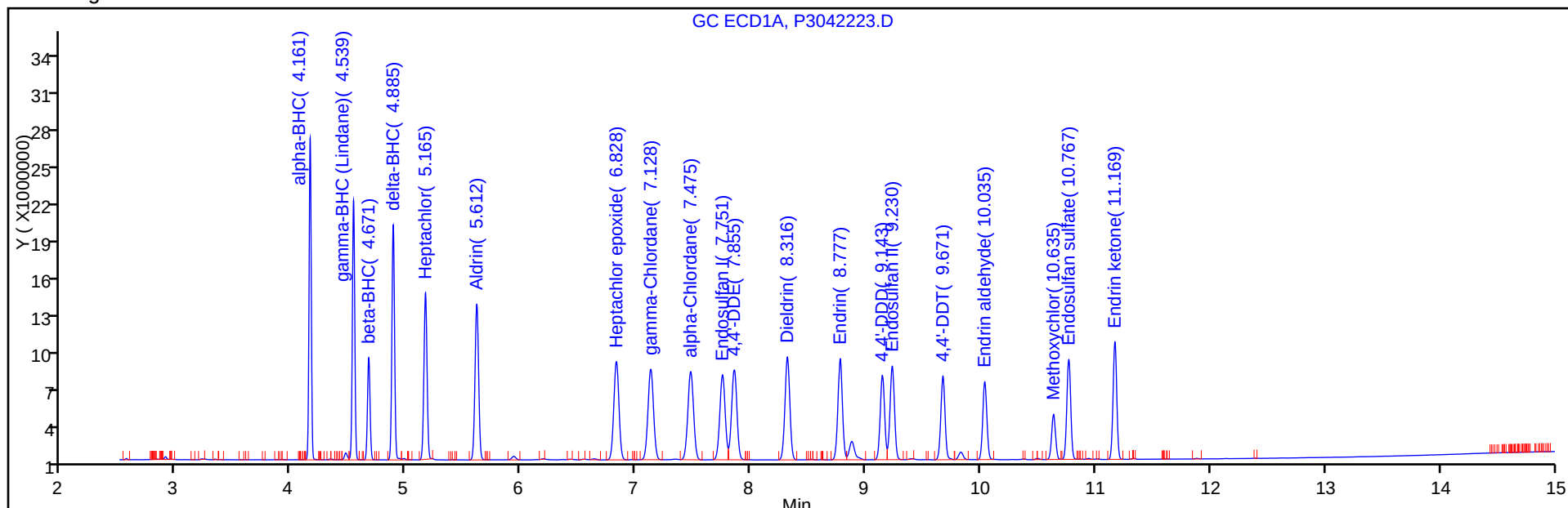
Operator ID: 402582

Injection Vol: 1.0 ul

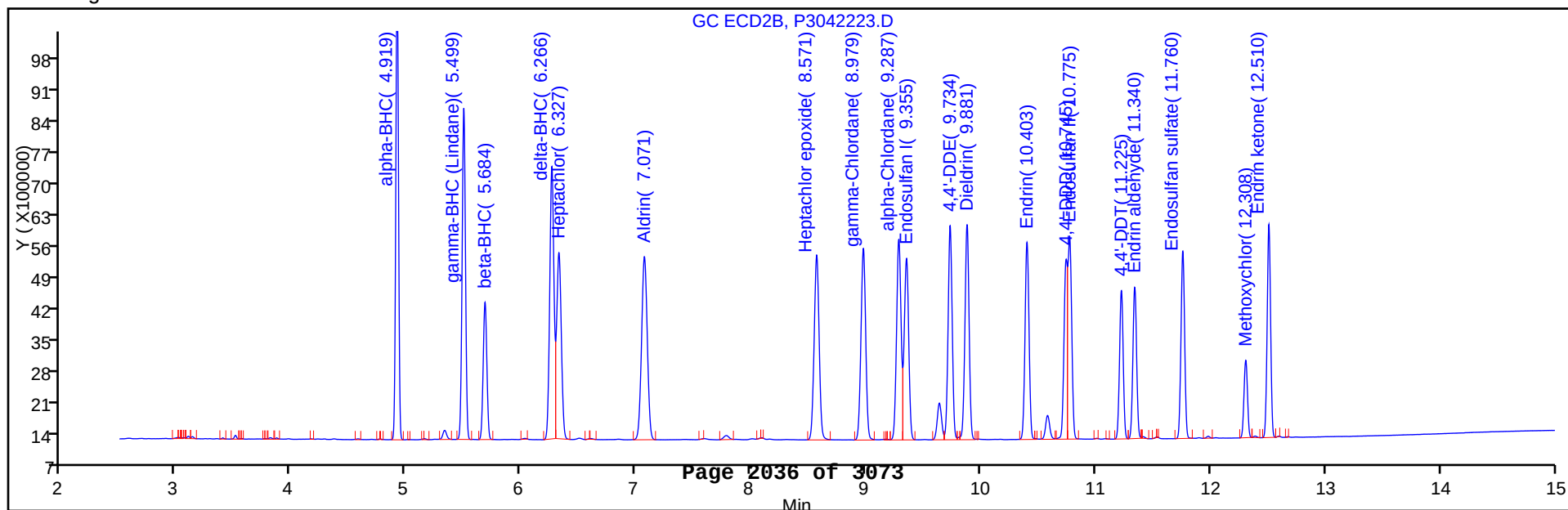
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22852-1
 SDG No.: _____
 Lab Sample ID: CCV 240-83400/5 Calibration Date: 04/24/2013 11:29
 Instrument ID: A2HP3 Calib Start Date: 04/22/2013 22:54
 GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 04/23/2013 00:35
 Lab File ID: P3042405.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	1359242943	1413943960		0.0260	0.0250	4.0	20.0
gamma-BHC (Lindane)	Ave	1208604110	1245845440		0.0258	0.0250	3.1	20.0
beta-BHC	Ave	519268069	529497800		0.0255	0.0250	2.0	20.0
delta-BHC	Ave	1224286313	1242999880		0.0254	0.0250	1.5	20.0
Heptachlor	Ave	1032014038	1052520640		0.0255	0.0250	2.0	20.0
Aldrin	Ave	1088122939	1184004240		0.0272	0.0250	8.8	20.0
Heptachlor epoxide	Ave	992844247	1031107920		0.0260	0.0250	3.9	20.0
gamma-Chlordane	Ave	998864799	1033424800		0.0259	0.0250	3.5	20.0
alpha-Chlordane	Ave	1023188492	1074215640		0.0262	0.0250	5.0	20.0
Endosulfan I	Ave	906422798	947111280		0.0261	0.0250	4.5	20.0
4,4'-DDE	Ave	968863059	1082825080		0.0279	0.0250	11.8	20.0
Dieldrin	Ave	998340371	1043960720		0.0261	0.0250	4.6	20.0
Endrin	Ave	929514238	944353480		0.0254	0.0250	1.6	20.0
4,4'-DDD	Ave	747950398	823073320		0.0275	0.0250	10.0	20.0
Endosulfan II	Ave	839808708	907382680		0.0270	0.0250	8.0	20.0
4,4'-DDT	Ave	703196613	777269040		0.0276	0.0250	10.5	20.0
Endrin aldehyde	Ave	644279437	698807520		0.0271	0.0250	8.5	20.0
Methoxychlor	Ave	353664852	425426520		0.0301	0.0250	20.3*	20.0
Endosulfan sulfate	Ave	775754698	847499320		0.0273	0.0250	9.2	20.0
Endrin ketone	Ave	898237216	1022324000		0.0285	0.0250	13.8	20.0
Tetrachloro-m-xylene	Ave	882328290	969830760		0.0275	0.0250	9.9	20.0
DCB Decachlorobiphenyl	Ave	827157224	927393080		0.0280	0.0250	12.1	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22852-1
 SDG No.: _____
 Lab Sample ID: CCV 240-83400/5 Calibration Date: 04/24/2013 11:29
 Instrument ID: A2HP3 Calib Start Date: 04/22/2013 22:54
 GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 04/23/2013 00:35
 Lab File ID: P3042405.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.16	4.13	4.19
gamma-BHC (Lindane)	4.54	4.51	4.57
beta-BHC	4.67	4.64	4.70
delta-BHC	4.88	4.85	4.91
Heptachlor	5.16	5.13	5.19
Aldrin	5.61	5.58	5.64
Heptachlor epoxide	6.82	6.79	6.85
gamma-Chlordane	7.12	7.09	7.15
alpha-Chlordane	7.47	7.44	7.50
Endosulfan I	7.74	7.71	7.77
4,4'-DDE	7.84	7.81	7.87
Dieldrin	8.31	8.28	8.34
Endrin	8.77	8.74	8.80
4,4'-DDD	9.14	9.11	9.17
Endosulfan II	9.22	9.19	9.25
4,4'-DDT	9.66	9.63	9.69
Endrin aldehyde	10.03	10.00	10.06
Methoxychlor	10.63	10.60	10.66
Endosulfan sulfate	10.76	10.73	10.79
Endrin ketone	11.16	11.13	11.19
Tetrachloro-m-xylene	3.47	3.44	3.50
DCB Decachlorobiphenyl	12.78	12.75	12.81

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP3\20130424-19209.b\P3042405.D
 Lims ID: CCV AB3 Client ID:
 Inject. Date: 24-Apr-2013 11:29:12 Dil. Factor: 1.0000
 Sample Type: CCVRT
 Sample ID: 240-0019209-005
 Misc. Info.:
 Operator: 402582 Instrument ID: A2HP3
 Injection Vol: 1.0 ul ALS Bottle#: 5
 Lims Batch ID: 83400 Lims Sample ID: 5
 Sublist: chrom-PEST3*sub7
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCCChrom\ChromData\A2HP3\20130424-19209.b\PEST3.m
 Last Update: 25-Apr-2013 07:51:57 Calib Date: 23-Apr-2013 17:41:50
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP3\20130423-19186.b\P3042315.D
 Limit Group: GC 8081 D0D ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK034

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

\$ 29 Tetrachloro-m-xylene

1	100	3.471	3.471	0.000	24245769	0.0275			
2	100	4.064	4.064	0.000	13100293	0.0273			

RPD = 0.71

5 alpha-BHC

1	100	4.158	4.158	0.000	35348599	0.0260			
2	100	4.915	4.915	0.000	18154237	0.0254			

RPD = 2.27

20 gamma-BHC (Lindane)

1	100	4.536	4.536	0.000	31146136	0.0258			
2	100	5.493	5.493	0.000	15799787	0.0252			

RPD = 2.22

7 beta-BHC

1	100	4.667	4.667	0.000	13237445	0.0255			
2	100	5.678	5.678	0.000	7091259	0.0254			

RPD = 0.18

11 delta-BHC

1	100	4.880	4.880	0.000	31074997	0.0254			
2	100	6.259	6.259	0.000	16178125	0.0249			

RPD = 1.82

22 Heptachlor

1	100	5.161	5.161	0.000	26313016	0.0255			
2	100	6.321	6.321	0.000	12452575	0.0252			

RPD = 1.18

4 Aldrin

1	100	5.607	5.607	0.000	29600106	0.0272			
2	100	7.065	7.065	0.000	15323614	0.0265			

RPD = 2.75

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.819	6.819	0.000	25777698	0.0260			
2	100	8.565	8.565	0.000	13123419	0.0255			
						RPD = 1.61			
21 gamma-Chlordane									
1	100	7.118	7.118	0.000	25835620	0.0259			
2	100	8.972	8.972	0.000	13046500	0.0256			
						RPD = 0.85			
6 alpha-Chlordane									
1	100	7.467	7.467	0.000	26855391	0.0262			
2	100	9.280	9.280	0.000	13506686	0.0258			
						RPD = 1.55			
14 Endosulfan I									
1	100	7.744	7.744	0.000	23677782	0.0261			
2	100	9.347	9.347	0.000	11715915	0.0255			
						RPD = 2.35			
2 4,4'-DDE									
1	100	7.844	7.844	0.000	27070627	0.0279			
2	100	9.727	9.727	0.000	13504593	0.0272			
						RPD = 2.77			
13 Dieldrin									
1	100	8.307	8.307	0.000	26099018	0.0261			
2	100	9.873	9.873	0.000	12896793	0.0258			
						RPD = 1.44			
17 Endrin									
1	100	8.769	8.769	0.000	23608837	0.0254			
2	100	10.397	10.397	0.000	11648026	0.0254			
						RPD = 0.00			
1 4,4'-DDD									
1	100	9.136	9.136	0.000	20576833	0.0275			
2	100	10.737	10.737	0.000	9513991	0.0273			
						RPD = 0.82			
15 Endosulfan II									
1	100	9.222	9.222	0.000	22684567	0.0270			
2	100	10.767	10.767	0.000	11643544	0.0272			
						RPD = 0.84			
3 4,4'-DDT									
1	100	9.663	9.663	0.000	19431726	0.0276			
2	100	11.217	11.217	0.000	8626443	0.0279			
						RPD = 0.79			
18 Endrin aldehyde									
1	100	10.029	10.029	0.000	17470188	0.0271			
2	100	11.333	11.333	0.000	8672215	0.0268			
						RPD = 1.07			
27 Methoxychlor									
1	100	10.627	10.627	0.000	10635663	0.0301			
2	100	12.300	12.300	0.000	4766009	0.0309			
						RPD = 2.74			

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

16 Endosulfan sulfate

1	100	10.760	10.760	0.000	21187483	0.0273			
2	100	11.752	11.752	0.000	10507291	0.0273			

RPD = 0.13

19 Endrin ketone

1	100	11.161	11.161	0.000	25558100	0.0285			
2	100	12.501	12.501	0.000	12219349	0.0284			

RPD = 0.10

\$ 10 DCB Decachlorobiphenyl

1	100	12.784	12.784	0.000	23184827	0.0280			
2	100	14.217	14.217	0.000	11921908	0.0276			

RPD = 1.54

Report Date: 25-Apr-2013 07:51:57

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP3\20130424-19209.b\P3042405.D

Injection Date: 24-Apr-2013 11:29:12

Limit Group: GC 8081 D0D ICAL

Client ID:

Instrument ID: A2HP3

Lims Batch ID: 83400

Lims Sample ID: 5

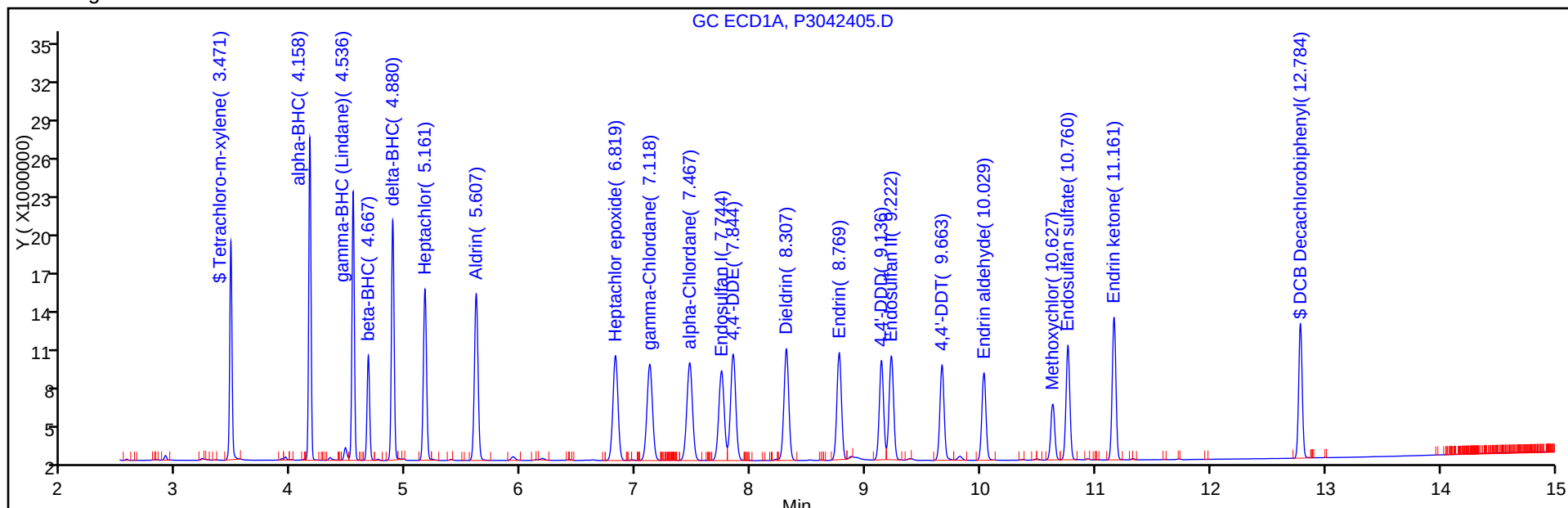
Operator ID: 402582

Injection Vol: 1.0 ul

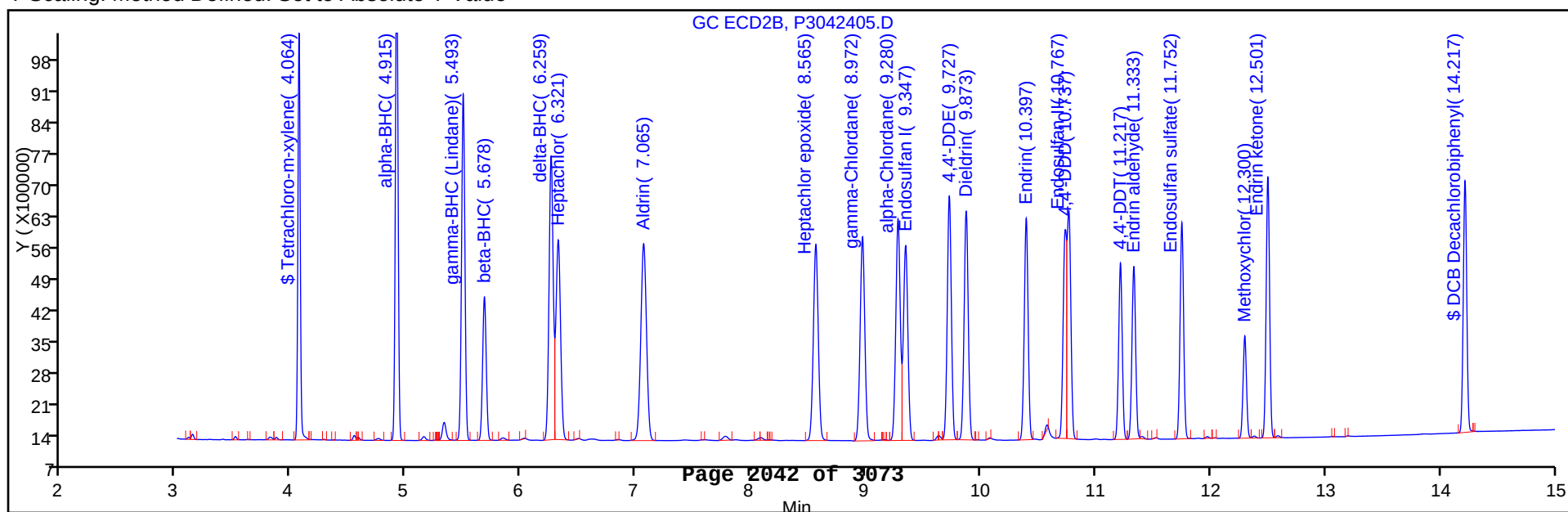
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22852-1
 SDG No.: _____
 Lab Sample ID: CCV 240-83400/5 Calibration Date: 04/24/2013 11:29
 Instrument ID: A2HP3 Calib Start Date: 04/22/2013 22:54
 GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 04/23/2013 00:35
 Lab File ID: P3042405.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	714126036	726169480		0.0254	0.0250	1.7	20.0
gamma-BHC (Lindane)	Ave	626844478	631991480		0.0252	0.0250	0.8	20.0
beta-BHC	Ave	278685187	283650360		0.0254	0.0250	1.8	20.0
delta-BHC	Ave	649094974	647125000		0.0249	0.0250	-0.3	20.0
Heptachlor	Ave	494206075	498103000		0.0252	0.0250	0.8	20.0
Aldrin	Ave	579038535	612944560		0.0265	0.0250	5.9	20.0
Heptachlor epoxide	Ave	513668973	524936760		0.0255	0.0250	2.2	20.0
gamma-Chlordane	Ave	508733248	521860000		0.0256	0.0250	2.6	20.0
alpha-Chlordane	Ave	522623723	540267440		0.0258	0.0250	3.4	20.0
Endosulfan I	Ave	459163342	468636600		0.0255	0.0250	2.1	20.0
4,4'-DDE	Ave	496902560	540183720		0.0272	0.0250	8.7	20.0
Dieldrin	Ave	500474757	515871720		0.0258	0.0250	3.1	20.0
Endrin	Ave	458610093	465921040		0.0254	0.0250	1.6	20.0
4,4'-DDD	Ave	348673589	380559640		0.0273	0.0250	9.1	20.0
Endosulfan II	Ave	427445028	465741760		0.0272	0.0250	9.0	20.0
4,4'-DDT	Ave	309716187	345057720		0.0279	0.0250	11.4	20.0
Endrin aldehyde	Ave	323271966	346888600		0.0268	0.0250	7.3	20.0
Endosulfan sulfate	Ave	384218328	420291640		0.0273	0.0250	9.4	20.0
Methoxychlor	Ave	154205847	190640360		0.0309	0.0250	23.6*	20.0
Endrin ketone	Ave	429863795	488773960		0.0284	0.0250	13.7	20.0
Tetrachloro-m-xylene	Ave	480112544	524011720		0.0273	0.0250	9.1	20.0
DCB Decachlorobiphenyl	Ave	431941305	476876320		0.0276	0.0250	10.4	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22852-1
 SDG No.: _____
 Lab Sample ID: CCV 240-83400/5 Calibration Date: 04/24/2013 11:29
 Instrument ID: A2HP3 Calib Start Date: 04/22/2013 22:54
 GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 04/23/2013 00:35
 Lab File ID: P3042405.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.92	4.89	4.95
gamma-BHC (Lindane)	5.49	5.46	5.52
beta-BHC	5.68	5.65	5.71
delta-BHC	6.26	6.23	6.29
Heptachlor	6.32	6.29	6.35
Aldrin	7.07	7.04	7.10
Heptachlor epoxide	8.57	8.54	8.60
gamma-Chlordane	8.97	8.94	9.00
alpha-Chlordane	9.28	9.25	9.31
Endosulfan I	9.35	9.32	9.38
4,4'-DDE	9.73	9.70	9.76
Dieldrin	9.87	9.84	9.90
Endrin	10.40	10.37	10.43
4,4'-DDD	10.74	10.71	10.77
Endosulfan II	10.77	10.74	10.80
4,4'-DDT	11.22	11.19	11.25
Endrin aldehyde	11.33	11.30	11.36
Endosulfan sulfate	11.75	11.72	11.78
Methoxychlor	12.30	12.27	12.33
Endrin ketone	12.50	12.47	12.53
Tetrachloro-m-xylene	4.06	4.03	4.09
DCB Decachlorobiphenyl	14.22	14.19	14.25

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP3\20130424-19209.b\P3042405.D
 Lims ID: CCV AB3 Client ID:
 Inject. Date: 24-Apr-2013 11:29:12 Dil. Factor: 1.0000
 Sample Type: CCVRT
 Sample ID: 240-0019209-005
 Misc. Info.:
 Operator: 402582 Instrument ID: A2HP3
 Injection Vol: 1.0 ul ALS Bottle#: 5
 Lims Batch ID: 83400 Lims Sample ID: 5
 Sublist: chrom-PEST3*sub7
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCCChrom\ChromData\A2HP3\20130424-19209.b\PEST3.m
 Last Update: 25-Apr-2013 07:51:57 Calib Date: 23-Apr-2013 17:41:50
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP3\20130423-19186.b\P3042315.D
 Limit Group: GC 8081 D0D ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK034

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

\$ 29 Tetrachloro-m-xylene

1	100	3.471	3.471	0.000	24245769	0.0275			
2	100	4.064	4.064	0.000	13100293	0.0273			

RPD = 0.71

5 alpha-BHC

1	100	4.158	4.158	0.000	35348599	0.0260			
2	100	4.915	4.915	0.000	18154237	0.0254			

RPD = 2.27

20 gamma-BHC (Lindane)

1	100	4.536	4.536	0.000	31146136	0.0258			
2	100	5.493	5.493	0.000	15799787	0.0252			

RPD = 2.22

7 beta-BHC

1	100	4.667	4.667	0.000	13237445	0.0255			
2	100	5.678	5.678	0.000	7091259	0.0254			

RPD = 0.18

11 delta-BHC

1	100	4.880	4.880	0.000	31074997	0.0254			
2	100	6.259	6.259	0.000	16178125	0.0249			

RPD = 1.82

22 Heptachlor

1	100	5.161	5.161	0.000	26313016	0.0255			
2	100	6.321	6.321	0.000	12452575	0.0252			

RPD = 1.18

4 Aldrin

1	100	5.607	5.607	0.000	29600106	0.0272			
2	100	7.065	7.065	0.000	15323614	0.0265			

RPD = 2.75

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.819	6.819	0.000	25777698	0.0260			
2	100	8.565	8.565	0.000	13123419	0.0255			
						RPD = 1.61			
21 gamma-Chlordane									
1	100	7.118	7.118	0.000	25835620	0.0259			
2	100	8.972	8.972	0.000	13046500	0.0256			
						RPD = 0.85			
6 alpha-Chlordane									
1	100	7.467	7.467	0.000	26855391	0.0262			
2	100	9.280	9.280	0.000	13506686	0.0258			
						RPD = 1.55			
14 Endosulfan I									
1	100	7.744	7.744	0.000	23677782	0.0261			
2	100	9.347	9.347	0.000	11715915	0.0255			
						RPD = 2.35			
2 4,4'-DDE									
1	100	7.844	7.844	0.000	27070627	0.0279			
2	100	9.727	9.727	0.000	13504593	0.0272			
						RPD = 2.77			
13 Dieldrin									
1	100	8.307	8.307	0.000	26099018	0.0261			
2	100	9.873	9.873	0.000	12896793	0.0258			
						RPD = 1.44			
17 Endrin									
1	100	8.769	8.769	0.000	23608837	0.0254			
2	100	10.397	10.397	0.000	11648026	0.0254			
						RPD = 0.00			
1 4,4'-DDD									
1	100	9.136	9.136	0.000	20576833	0.0275			
2	100	10.737	10.737	0.000	9513991	0.0273			
						RPD = 0.82			
15 Endosulfan II									
1	100	9.222	9.222	0.000	22684567	0.0270			
2	100	10.767	10.767	0.000	11643544	0.0272			
						RPD = 0.84			
3 4,4'-DDT									
1	100	9.663	9.663	0.000	19431726	0.0276			
2	100	11.217	11.217	0.000	8626443	0.0279			
						RPD = 0.79			
18 Endrin aldehyde									
1	100	10.029	10.029	0.000	17470188	0.0271			
2	100	11.333	11.333	0.000	8672215	0.0268			
						RPD = 1.07			
27 Methoxychlor									
1	100	10.627	10.627	0.000	10635663	0.0301			
2	100	12.300	12.300	0.000	4766009	0.0309			
						RPD = 2.74			

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

16 Endosulfan sulfate

1	100	10.760	10.760	0.000	21187483	0.0273			
2	100	11.752	11.752	0.000	10507291	0.0273			

RPD = 0.13

19 Endrin ketone

1	100	11.161	11.161	0.000	25558100	0.0285			
2	100	12.501	12.501	0.000	12219349	0.0284			

RPD = 0.10

\$ 10 DCB Decachlorobiphenyl

1	100	12.784	12.784	0.000	23184827	0.0280			
2	100	14.217	14.217	0.000	11921908	0.0276			

RPD = 1.54

Report Date: 25-Apr-2013 07:51:57

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP3\20130424-19209.b\P3042405.D

Injection Date: 24-Apr-2013 11:29:12

Limit Group: GC 8081 D0D ICAL

Client ID:

Instrument ID: A2HP3

Lims Batch ID: 83400

Lims Sample ID: 5

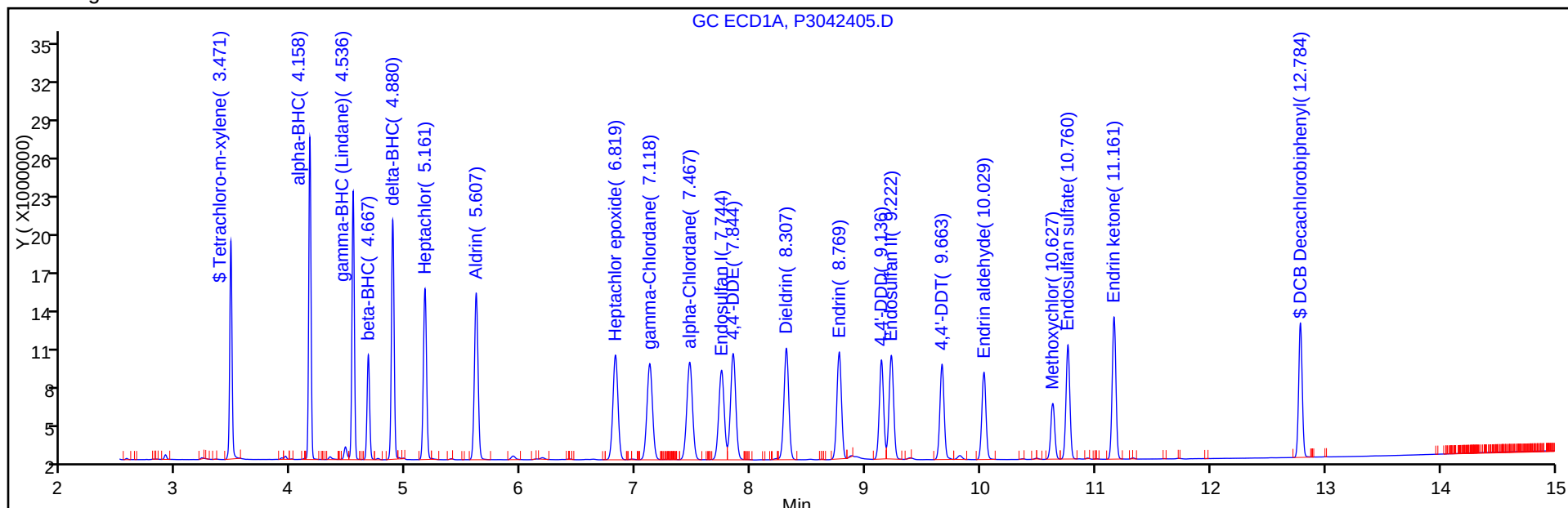
Operator ID: 402582

Injection Vol: 1.0 ul

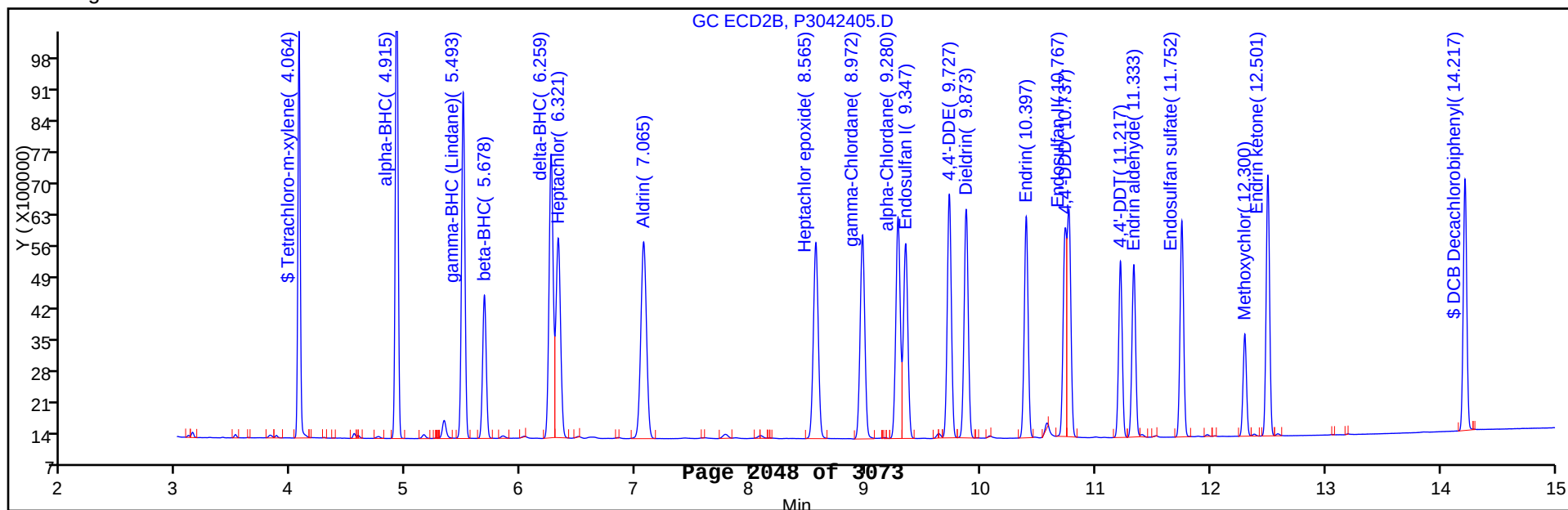
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22852-1
 SDG No.: _____
 Lab Sample ID: CCV 240-83400/24 Calibration Date: 04/24/2013 17:52
 Instrument ID: A2HP3 Calib Start Date: 04/22/2013 22:54
 GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 04/23/2013 00:35
 Lab File ID: P3042424.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	1359242943	1583425240		0.0291	0.0250	16.5	20.0
gamma-BHC (Lindane)	Ave	1208604110	1366017000		0.0283	0.0250	13.0	20.0
beta-BHC	Ave	519268069	585440800		0.0282	0.0250	12.7	20.0
delta-BHC	Ave	1224286313	1354056840		0.0276	0.0250	10.6	20.0
Heptachlor	Ave	1032014038	1195781920		0.0290	0.0250	15.9	20.0
Aldrin	Ave	1088122939	1337946480		0.0307	0.0250	23.0*	20.0
Heptachlor epoxide	Ave	992844247	1178031040		0.0297	0.0250	18.7	20.0
gamma-Chlordane	Ave	998864799	1182217280		0.0296	0.0250	18.4	20.0
alpha-Chlordane	Ave	1023188492	1232363760		0.0301	0.0250	20.4*	20.0
Endosulfan I	Ave	906422798	1082112880		0.0298	0.0250	19.4	20.0
4,4'-DDE	Ave	968863059	1234525040		0.0319	0.0250	27.4*	20.0
Dieldrin	Ave	998340371	1209333520		0.0303	0.0250	21.1*	20.0
Endrin	Ave	929514238	1141722040		0.0307	0.0250	22.8*	20.0
4,4'-DDD	Ave	747950398	974140200		0.0326	0.0250	30.2*	20.0
Endosulfan II	Ave	839808708	1026939080		0.0306	0.0250	22.3*	20.0
4,4'-DDT	Ave	703196613	819277120		0.0291	0.0250	16.5	20.0
Endrin aldehyde	Ave	644279437	777584320		0.0302	0.0250	20.7*	20.0
Methoxychlor	Ave	353664852	458046320		0.0324	0.0250	29.5*	20.0
Endosulfan sulfate	Ave	775754698	925471400		0.0298	0.0250	19.3	20.0
Endrin ketone	Ave	898237216	1133159680		0.0315	0.0250	26.2*	20.0
Tetrachloro-m-xylene	Ave	882328290	1031857880		0.0292	0.0250	16.9	20.0
DCB Decachlorobiphenyl	Ave	827157224	949827320		0.0287	0.0250	14.8	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22852-1
 SDG No.: _____
 Lab Sample ID: CCV 240-83400/24 Calibration Date: 04/24/2013 17:52
 Instrument ID: A2HP3 Calib Start Date: 04/22/2013 22:54
 GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 04/23/2013 00:35
 Lab File ID: P3042424.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.16	4.13	4.19
gamma-BHC (Lindane)	4.54	4.51	4.57
beta-BHC	4.67	4.64	4.70
delta-BHC	4.88	4.85	4.91
Heptachlor	5.16	5.13	5.19
Aldrin	5.61	5.58	5.64
Heptachlor epoxide	6.82	6.79	6.85
gamma-Chlordane	7.12	7.09	7.15
alpha-Chlordane	7.47	7.44	7.50
Endosulfan I	7.75	7.72	7.78
4,4'-DDE	7.85	7.82	7.88
Dieldrin	8.31	8.28	8.34
Endrin	8.77	8.74	8.80
4,4'-DDD	9.14	9.11	9.17
Endosulfan II	9.23	9.20	9.26
4,4'-DDT	9.67	9.64	9.70
Endrin aldehyde	10.03	10.00	10.06
Methoxychlor	10.63	10.60	10.66
Endosulfan sulfate	10.76	10.73	10.79
Endrin ketone	11.17	11.14	11.20
Tetrachloro-m-xylene	3.47	3.44	3.50
DCB Decachlorobiphenyl	12.79	12.76	12.82

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP3\20130424-19209.b\P3042424.D
 Lims ID: CCV AB3 Client ID:
 Inject. Date: 24-Apr-2013 17:52:41 Dil. Factor: 1.0000
 Sample Type: CCV
 Sample ID: 240-0019209-005
 Misc. Info.:
 Operator: 402582 Instrument ID: A2HP3
 Injection Vol: 1.0 ul ALS Bottle#: 24
 Lims Batch ID: 83400 Lims Sample ID: 24
 Sublist: chrom-PEST3*sub7
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCCChrom\ChromData\A2HP3\20130424-19209.b\PEST3.m
 Last Update: 25-Apr-2013 07:51:37 Calib Date: 23-Apr-2013 17:41:50
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP3\20130423-19186.b\P3042315.D
 Limit Group: GC 8081 D0D ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK034

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

\$ 29 Tetrachloro-m-xylene

1	100	3.471	3.471	0.000	25796447	0.0292			
2	100	4.064	4.064	0.000	13886038	0.0289			

RPD = 1.08

5 alpha-BHC

1	100	4.159	4.159	0.000	39585631	0.0291			
2	100	4.915	4.915	0.000	20675841	0.0290			

RPD = 0.59

20 gamma-BHC (Lindane)

1	100	4.537	4.537	0.000	34150425	0.0283			
2	100	5.494	5.494	0.000	17692215	0.0282			

RPD = 0.11

7 beta-BHC

1	100	4.669	4.669	0.000	14636020	0.0282			
2	100	5.679	5.679	0.000	7862305	0.0282			

RPD = 0.09

11 delta-BHC

1	100	4.882	4.882	0.000	33851421	0.0276			
2	100	6.259	6.259	0.000	17871261	0.0275			

RPD = 0.43

22 Heptachlor

1	100	5.163	5.163	0.000	29894548	0.0290			
2	100	6.322	6.322	0.000	14306619	0.0289			

RPD = 0.06

4 Aldrin

1	100	5.609	5.609	0.000	33448662	0.0307			
2	100	7.064	7.064	0.000	17419264	0.0301			

RPD = 2.16

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.822	6.822	0.000	29450776	0.0297			
2	100	8.565	8.565	0.000	15210276	0.0296			
						RPD = 0.18			
21 gamma-Chlordane									
1	100	7.121	7.121	0.000	29555432	0.0296			
2	100	8.970	8.970	0.000	15173207	0.0298			
						RPD = 0.80			
6 alpha-Chlordane									
1	100	7.470	7.470	0.000	30809094	0.0301			
2	100	9.280	9.280	0.000	15541067	0.0297			
						RPD = 1.25			
14 Endosulfan I									
1	100	7.746	7.746	0.000	27052822	0.0298			
2	100	9.346	9.346	0.000	13628294	0.0297			
						RPD = 0.55			
2 4,4'-DDE									
1	100	7.850	7.850	0.000	30863126	0.0319			
2	100	9.727	9.727	0.000	15425529	0.0310			
						RPD = 2.58			
13 Dieldrin									
1	100	8.310	8.310	0.000	30233338	0.0303			
2	100	9.874	9.874	0.000	15021787	0.0300			
						RPD = 0.89			
17 Endrin									
1	100	8.771	8.771	0.000	28543051	0.0307			
2	100	10.396	10.396	0.000	13924927	0.0304			
						RPD = 1.13			
1 4,4'-DDD									
1	100	9.139	9.139	0.000	24353505	0.0326			
2	100	10.736	10.736	0.000	12132514	0.0348			
						RPD = 6.64			
15 Endosulfan II									
1	100	9.225	9.225	0.000	25673477	0.0306			
2	100	10.766	10.766	0.000	12829216	0.0300			
						RPD = 1.84			
3 4,4'-DDT									
1	100	9.668	9.668	0.000	20481928	0.0291			
2	100	11.217	11.217	0.000	9075975	0.0293			
						RPD = 0.61			
18 Endrin aldehyde									
1	100	10.030	10.030	0.000	19439608	0.0302			
2	100	11.333	11.333	0.000	9638828	0.0298			
						RPD = 1.19			
27 Methoxychlor									
1	100	10.630	10.630	0.000	11451158	0.0324			
2	100	12.299	12.299	0.000	5057543	0.0328			
						RPD = 1.29			

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

16 Endosulfan sulfate

1	100	10.763	10.763	0.000	23136785	0.0298			
2	100	11.752	11.752	0.000	11654425	0.0303			

RPD = 1.69

19 Endrin ketone

1	100	11.165	11.165	0.000	28328992	0.0315			
2	100	12.501	12.501	0.000	13547244	0.0315			

RPD = 0.07

\$ 10 DCB Decachlorobiphenyl

1	100	12.787	12.787	0.000	23745683	0.0287			
2	100	14.217	14.217	0.000	12282007	0.0284			

RPD = 0.96

Report Date: 25-Apr-2013 07:51:38

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP3\20130424-19209.b\P3042424.D

Injection Date: 24-Apr-2013 17:52:41

Limit Group: GC 8081 D0D ICAL

Client ID:

Instrument ID: A2HP3

Lims Batch ID: 83400

Lims Sample ID: 24

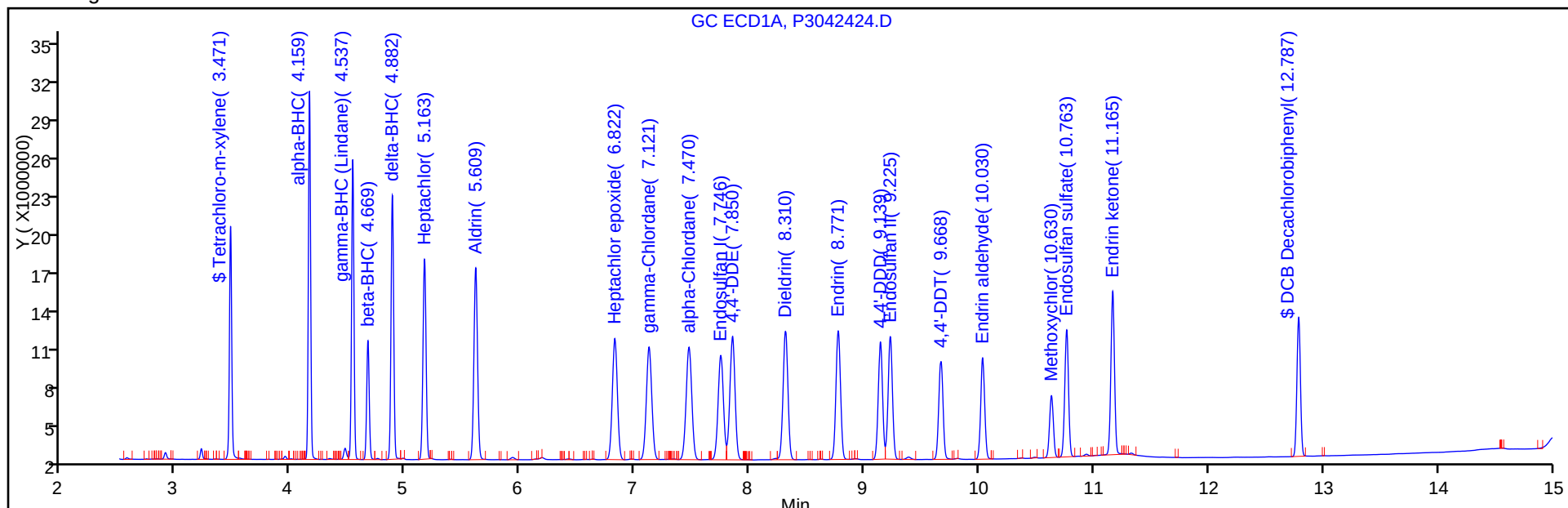
Operator ID: 402582

Injection Vol: 1.0 ul

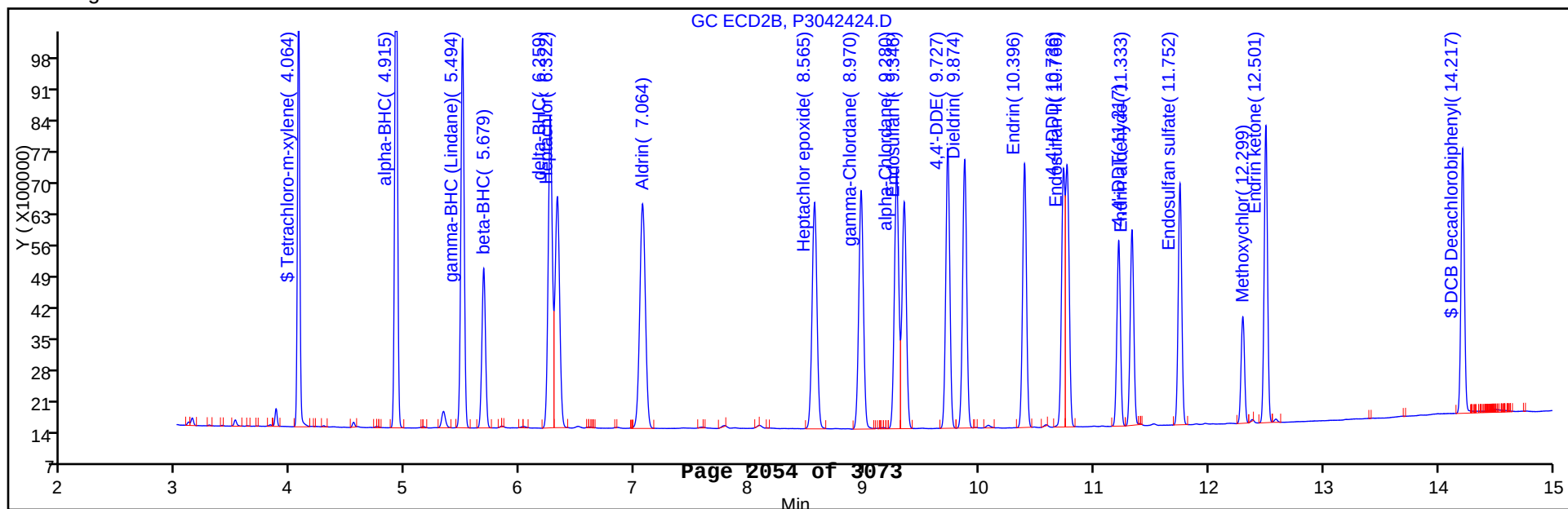
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22852-1
 SDG No.: _____
 Lab Sample ID: CCV 240-83400/24 Calibration Date: 04/24/2013 17:52
 Instrument ID: A2HP3 Calib Start Date: 04/22/2013 22:54
 GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 04/23/2013 00:35
 Lab File ID: P3042424.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	714126036	827033640		0.0290	0.0250	15.8	20.0
gamma-BHC (Lindane)	Ave	626844478	707688600		0.0282	0.0250	12.9	20.0
beta-BHC	Ave	278685187	314492200		0.0282	0.0250	12.8	20.0
delta-BHC	Ave	649094974	714850440		0.0275	0.0250	10.1	20.0
Heptachlor	Ave	494206075	572264760		0.0289	0.0250	15.8	20.0
Aldrin	Ave	579038535	696770560		0.0301	0.0250	20.3*	20.0
Heptachlor epoxide	Ave	513668973	608411040		0.0296	0.0250	18.4	20.0
gamma-Chlordane	Ave	508733248	606928280		0.0298	0.0250	19.3	20.0
alpha-Chlordane	Ave	522623723	621642680		0.0297	0.0250	18.9	20.0
Endosulfan I	Ave	459163342	545131760		0.0297	0.0250	18.7	20.0
4,4'-DDE	Ave	496902560	617021160		0.0310	0.0250	24.2*	20.0
Dieldrin	Ave	500474757	600871480		0.0300	0.0250	20.1*	20.0
Endrin	Ave	458610093	556997080		0.0304	0.0250	21.5*	20.0
4,4'-DDD	Ave	348673589	485300560		0.0348	0.0250	39.2*	20.0
Endosulfan II	Ave	427445028	513168640		0.0300	0.0250	20.1*	20.0
4,4'-DDT	Ave	309716187	363039000		0.0293	0.0250	17.2	20.0
Endrin aldehyde	Ave	323271966	385553120		0.0298	0.0250	19.3	20.0
Endosulfan sulfate	Ave	384218328	466177000		0.0303	0.0250	21.3*	20.0
Methoxychlor	Ave	154205847	202301720		0.0328	0.0250	31.2*	20.0
Endrin ketone	Ave	429863795	541889760		0.0315	0.0250	26.1*	20.0
Tetrachloro-m-xylene	Ave	480112544	555441520		0.0289	0.0250	15.7	20.0
DCB Decachlorobiphenyl	Ave	431941305	491280280		0.0284	0.0250	13.7	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22852-1
 SDG No.: _____
 Lab Sample ID: CCV 240-83400/24 Calibration Date: 04/24/2013 17:52
 Instrument ID: A2HP3 Calib Start Date: 04/22/2013 22:54
 GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 04/23/2013 00:35
 Lab File ID: P3042424.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.92	4.89	4.95
gamma-BHC (Lindane)	5.49	5.46	5.52
beta-BHC	5.68	5.65	5.71
delta-BHC	6.26	6.23	6.29
Heptachlor	6.32	6.29	6.35
Aldrin	7.06	7.03	7.09
Heptachlor epoxide	8.57	8.54	8.60
gamma-Chlordane	8.97	8.94	9.00
alpha-Chlordane	9.28	9.25	9.31
Endosulfan I	9.35	9.32	9.38
4,4'-DDE	9.73	9.70	9.76
Dieldrin	9.87	9.84	9.90
Endrin	10.40	10.37	10.43
4,4'-DDD	10.74	10.71	10.77
Endosulfan II	10.77	10.74	10.80
4,4'-DDT	11.22	11.19	11.25
Endrin aldehyde	11.33	11.30	11.36
Endosulfan sulfate	11.75	11.72	11.78
Methoxychlor	12.30	12.27	12.33
Endrin ketone	12.50	12.47	12.53
Tetrachloro-m-xylene	4.06	4.03	4.09
DCB Decachlorobiphenyl	14.22	14.19	14.25

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP3\20130424-19209.b\P3042424.D
 Lims ID: CCV AB3 Client ID:
 Inject. Date: 24-Apr-2013 17:52:41 Dil. Factor: 1.0000
 Sample Type: CCV
 Sample ID: 240-0019209-005
 Misc. Info.:
 Operator: 402582 Instrument ID: A2HP3
 Injection Vol: 1.0 ul ALS Bottle#: 24
 Lims Batch ID: 83400 Lims Sample ID: 24
 Sublist: chrom-PEST3*sub7
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCCChrom\ChromData\A2HP3\20130424-19209.b\PEST3.m
 Last Update: 25-Apr-2013 07:51:37 Calib Date: 23-Apr-2013 17:41:50
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP3\20130423-19186.b\P3042315.D
 Limit Group: GC 8081 D0D ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK034

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

\$ 29 Tetrachloro-m-xylene

1	100	3.471	3.471	0.000	25796447	0.0292			
2	100	4.064	4.064	0.000	13886038	0.0289			

RPD = 1.08

5 alpha-BHC

1	100	4.159	4.159	0.000	39585631	0.0291			
2	100	4.915	4.915	0.000	20675841	0.0290			

RPD = 0.59

20 gamma-BHC (Lindane)

1	100	4.537	4.537	0.000	34150425	0.0283			
2	100	5.494	5.494	0.000	17692215	0.0282			

RPD = 0.11

7 beta-BHC

1	100	4.669	4.669	0.000	14636020	0.0282			
2	100	5.679	5.679	0.000	7862305	0.0282			

RPD = 0.09

11 delta-BHC

1	100	4.882	4.882	0.000	33851421	0.0276			
2	100	6.259	6.259	0.000	17871261	0.0275			

RPD = 0.43

22 Heptachlor

1	100	5.163	5.163	0.000	29894548	0.0290			
2	100	6.322	6.322	0.000	14306619	0.0289			

RPD = 0.06

4 Aldrin

1	100	5.609	5.609	0.000	33448662	0.0307			
2	100	7.064	7.064	0.000	17419264	0.0301			

RPD = 2.16

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.822	6.822	0.000	29450776	0.0297			
2	100	8.565	8.565	0.000	15210276	0.0296			
						RPD = 0.18			
21 gamma-Chlordane									
1	100	7.121	7.121	0.000	29555432	0.0296			
2	100	8.970	8.970	0.000	15173207	0.0298			
						RPD = 0.80			
6 alpha-Chlordane									
1	100	7.470	7.470	0.000	30809094	0.0301			
2	100	9.280	9.280	0.000	15541067	0.0297			
						RPD = 1.25			
14 Endosulfan I									
1	100	7.746	7.746	0.000	27052822	0.0298			
2	100	9.346	9.346	0.000	13628294	0.0297			
						RPD = 0.55			
2 4,4'-DDE									
1	100	7.850	7.850	0.000	30863126	0.0319			
2	100	9.727	9.727	0.000	15425529	0.0310			
						RPD = 2.58			
13 Dieldrin									
1	100	8.310	8.310	0.000	30233338	0.0303			
2	100	9.874	9.874	0.000	15021787	0.0300			
						RPD = 0.89			
17 Endrin									
1	100	8.771	8.771	0.000	28543051	0.0307			
2	100	10.396	10.396	0.000	13924927	0.0304			
						RPD = 1.13			
1 4,4'-DDD									
1	100	9.139	9.139	0.000	24353505	0.0326			
2	100	10.736	10.736	0.000	12132514	0.0348			
						RPD = 6.64			
15 Endosulfan II									
1	100	9.225	9.225	0.000	25673477	0.0306			
2	100	10.766	10.766	0.000	12829216	0.0300			
						RPD = 1.84			
3 4,4'-DDT									
1	100	9.668	9.668	0.000	20481928	0.0291			
2	100	11.217	11.217	0.000	9075975	0.0293			
						RPD = 0.61			
18 Endrin aldehyde									
1	100	10.030	10.030	0.000	19439608	0.0302			
2	100	11.333	11.333	0.000	9638828	0.0298			
						RPD = 1.19			
27 Methoxychlor									
1	100	10.630	10.630	0.000	11451158	0.0324			
2	100	12.299	12.299	0.000	5057543	0.0328			
						RPD = 1.29			

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

16 Endosulfan sulfate

1	100	10.763	10.763	0.000	23136785	0.0298			
2	100	11.752	11.752	0.000	11654425	0.0303			
RPD = 1.69									

19 Endrin ketone

1	100	11.165	11.165	0.000	28328992	0.0315			
2	100	12.501	12.501	0.000	13547244	0.0315			
RPD = 0.07									

\$ 10 DCB Decachlorobiphenyl

1	100	12.787	12.787	0.000	23745683	0.0287			
2	100	14.217	14.217	0.000	12282007	0.0284			
RPD = 0.96									

Report Date: 25-Apr-2013 07:51:38

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP3\20130424-19209.b\P3042424.D

Injection Date: 24-Apr-2013 17:52:41

Limit Group: GC 8081 D0D ICAL

Client ID:

Instrument ID: A2HP3

Lims Batch ID: 83400

Lims Sample ID: 24

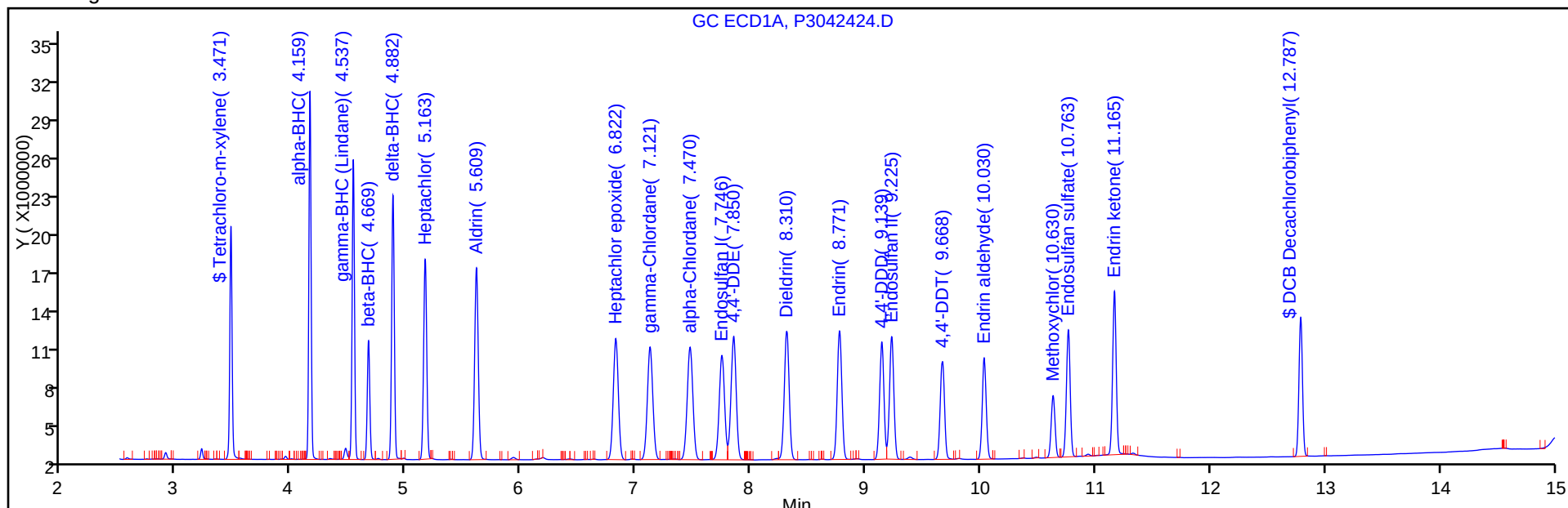
Operator ID: 402582

Injection Vol: 1.0 ul

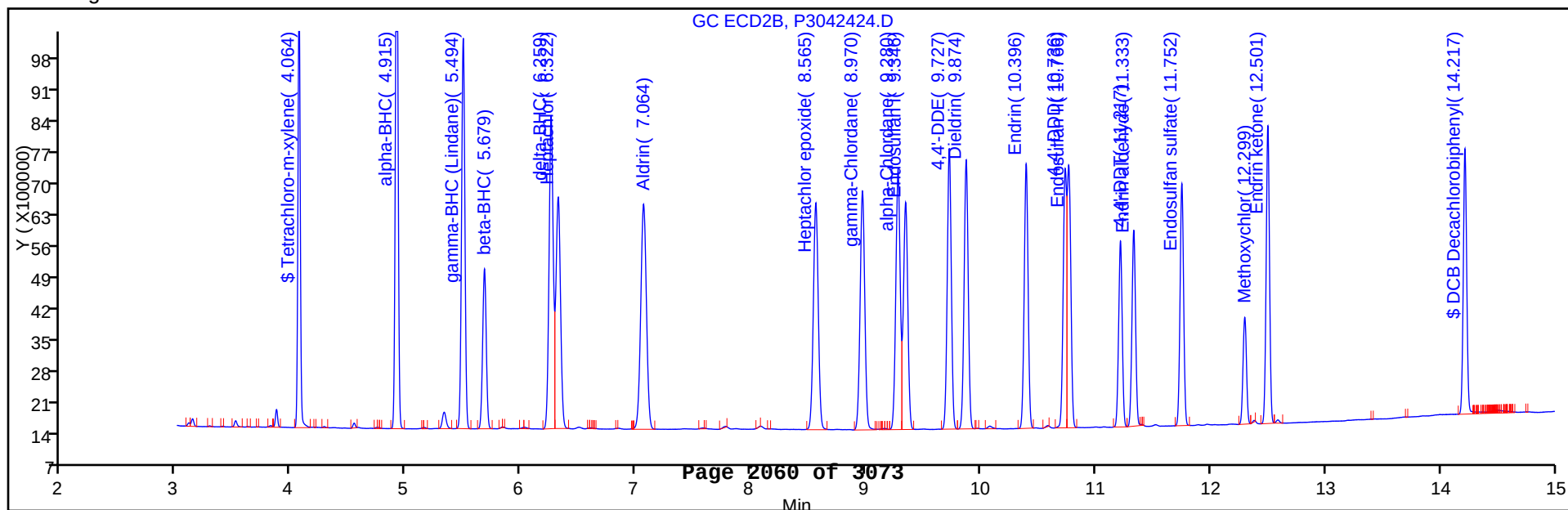
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22852-1
SDG No.: _____
Lab Sample ID: CCV 240-83400/25 Calibration Date: 04/24/2013 18:12
Instrument ID: A2HP3 Calib Start Date: 04/22/2013 18:52
GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 04/22/2013 20:13
Lab File ID: P3042425.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Ave	38294747	39882930		1.04	1.00	4.1	20.0
Toxaphene Peak 2	Ave	36690952	39985314		1.09	1.00	9.0	20.0
Toxaphene Peak 3	Ave	28834208	30286180		1.05	1.00	5.0	20.0
Toxaphene Peak 4	Ave	23017922	27819490		1.21	1.00	20.9*	20.0
Toxaphene Peak 5	Ave	18081479	15013011		0.830	1.00	-17.0	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22852-1
SDG No.: _____
Lab Sample ID: CCV 240-83400/25 Calibration Date: 04/24/2013 18:12
Instrument ID: A2HP3 Calib Start Date: 04/22/2013 18:52
GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 04/22/2013 20:13
Lab File ID: P3042425.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	10.22	10.19	10.25
Toxaphene Peak 2	10.57	10.54	10.60
Toxaphene Peak 3	10.72	10.69	10.75
Toxaphene Peak 4	11.13	11.10	11.16
Toxaphene Peak 5	11.40	11.37	11.43

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP3\20130424-19209.b\P3042425.D
 Lims ID: CCV TOX3 Client ID:
 Inject. Date: 24-Apr-2013 18:12:50 Dil. Factor: 1.0000
 Sample Type: CCV
 Sample ID: 240-0019209-006
 Misc. Info.:
 Operator: 402582 Instrument ID: A2HP3
 Injection Vol: 1.0 ul ALS Bottle#: 25
 Lims Batch ID: 83400 Lims Sample ID: 25
 Sublist: chrom-PEST3*sub5
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCCChrom\ChromData\A2HP3\20130424-19209.b\PEST3.m
 Last Update: 25-Apr-2013 07:51:35 Calib Date: 23-Apr-2013 17:41:50
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP3\20130423-19186.b\P3042315.D
 Limit Group: GC 8081 D0D ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK034

First Level Reviewer: shockr

Date: 25-Apr-2013 07:12:36

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	1	10.218	10.218	0.000	39882930	1.04		100.0	
1	2	10.565	10.565	0.000	39985314	1.09	77.7- 117.7	100.3	
1	3	10.717	10.717	0.000	30286180	1.05	57.0- 97.0	75.9	
1	4	11.134	11.134	0.000	27819490	1.21	39.5- 79.5	69.8	
1	5	11.404	11.404	0.000	15013011	0.8303	26.4- 66.4	37.6	
Average of Peak Amounts =						1.04			
2	100	10.320	10.320	0.000	17901309	1.20		100.0	M
2	2	10.915	10.915	0.000	22794884	1.24	102.8- 142.8	127.3	M
2	3	11.336	11.336	0.000	24698521	1.15	124.4- 164.4	138.0	M
2	4	12.077	12.077	0.000	25721504	1.07	139.5- 179.5	143.7	M
2	5	12.638	12.638	0.000	9622267	1.00	45.4- 85.4	53.8	M
Average of Peak Amounts =						1.13			
						RPD = 8.09			

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 25-Apr-2013 07:51:36

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP3\20130424-19209.b\IP3042425.D

Injection Date: 24-Apr-2013 18:12:50

Limit Group: GC 8081 D0D ICAL

Client ID:

Instrument ID: A2HP3

Lims Batch ID: 83400

Lims Sample ID: 25

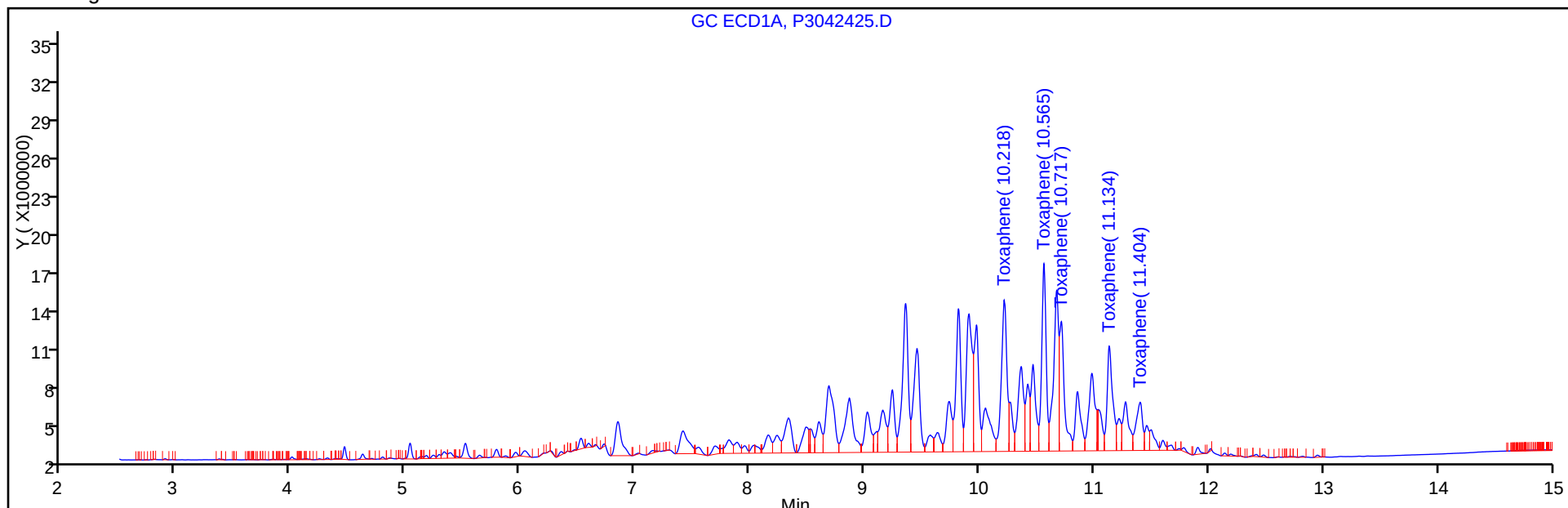
Operator ID: 402582

Injection Vol: 1.0 ul

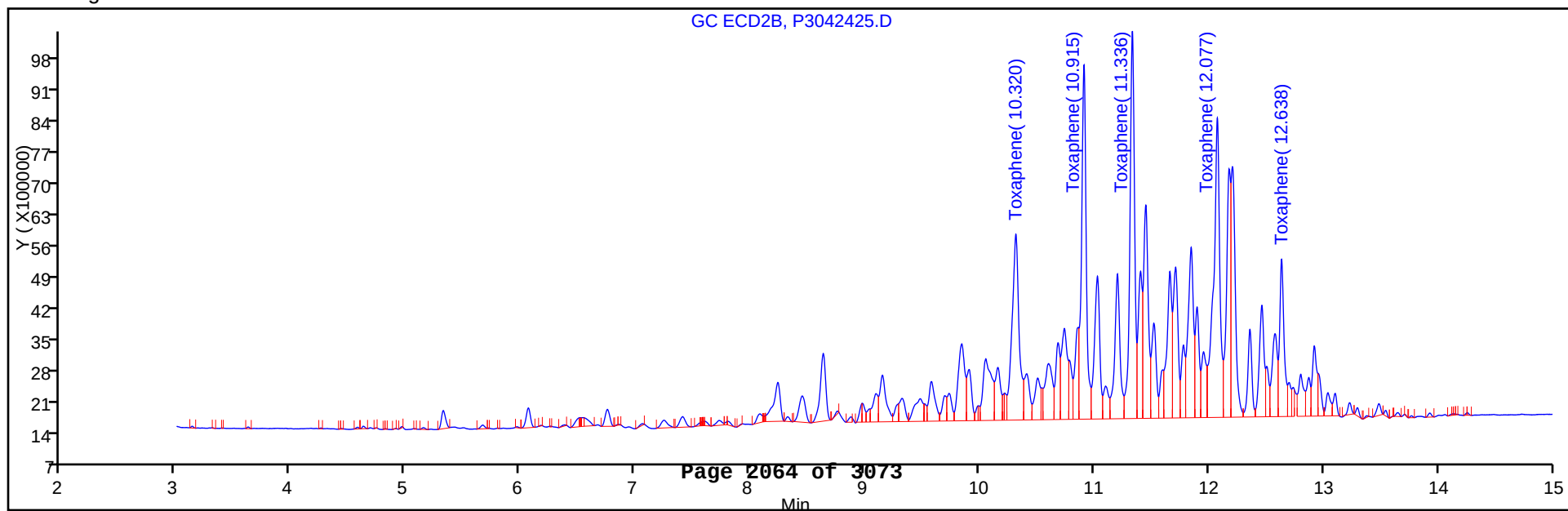
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22852-1
SDG No.: _____
Lab Sample ID: CCV 240-83400/25 Calibration Date: 04/24/2013 18:12
Instrument ID: A2HP3 Calib Start Date: 04/22/2013 18:52
GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 04/22/2013 20:13
Lab File ID: P3042425.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Ave	14975845	17901309		1.20	1.00	19.5	20.0
Toxaphene Peak 2	Ave	18337483	22794884		1.24	1.00	24.3*	20.0
Toxaphene Peak 3	Ave	21437307	24698521		1.15	1.00	15.2	20.0
Toxaphene Peak 4	Ave	24002348	25721504		1.07	1.00	7.2	20.0
Toxaphene Peak 5	Ave	9638555	9622267		0.998	1.00	-0.2	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22852-1
SDG No.: _____
Lab Sample ID: CCV 240-83400/25 Calibration Date: 04/24/2013 18:12
Instrument ID: A2HP3 Calib Start Date: 04/22/2013 18:52
GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 04/22/2013 20:13
Lab File ID: P3042425.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	10.32	10.29	10.35
Toxaphene Peak 2	10.92	10.89	10.95
Toxaphene Peak 3	11.34	11.31	11.37
Toxaphene Peak 4	12.08	12.05	12.11
Toxaphene Peak 5	12.64	12.61	12.67

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP3\20130424-19209.b\P3042425.D
 Lims ID: CCV TOX3 Client ID:
 Inject. Date: 24-Apr-2013 18:12:50 Dil. Factor: 1.0000
 Sample Type: CCV
 Sample ID: 240-0019209-006
 Misc. Info.:
 Operator: 402582 Instrument ID: A2HP3
 Injection Vol: 1.0 ul ALS Bottle#: 25
 Lims Batch ID: 83400 Lims Sample ID: 25
 Sublist: chrom-PEST3*sub5
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCCChrom\ChromData\A2HP3\20130424-19209.b\PEST3.m
 Last Update: 25-Apr-2013 07:51:35 Calib Date: 23-Apr-2013 17:41:50
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP3\20130423-19186.b\P3042315.D
 Limit Group: GC 8081 D0D ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK034

First Level Reviewer: shockr

Date: 25-Apr-2013 07:12:36

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	1	10.218	10.218	0.000	39882930	1.04		100.0	
1	2	10.565	10.565	0.000	39985314	1.09	77.7- 117.7	100.3	
1	3	10.717	10.717	0.000	30286180	1.05	57.0- 97.0	75.9	
1	4	11.134	11.134	0.000	27819490	1.21	39.5- 79.5	69.8	
1	5	11.404	11.404	0.000	15013011	0.8303	26.4- 66.4	37.6	
Average of Peak Amounts =						1.04			
2	100	10.320	10.320	0.000	17901309	1.20		100.0	M
2	2	10.915	10.915	0.000	22794884	1.24	102.8- 142.8	127.3	M
2	3	11.336	11.336	0.000	24698521	1.15	124.4- 164.4	138.0	M
2	4	12.077	12.077	0.000	25721504	1.07	139.5- 179.5	143.7	M
2	5	12.638	12.638	0.000	9622267	1.00	45.4- 85.4	53.8	M
Average of Peak Amounts =						1.13			
						RPD = 8.09			

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 25-Apr-2013 07:51:37

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP3\20130424-19209.b\IP3042425.D

Injection Date: 24-Apr-2013 18:12:50

Limit Group: GC 8081 D0D ICAL

Client ID:

Instrument ID: A2HP3

Lims Batch ID: 83400

Lims Sample ID: 25

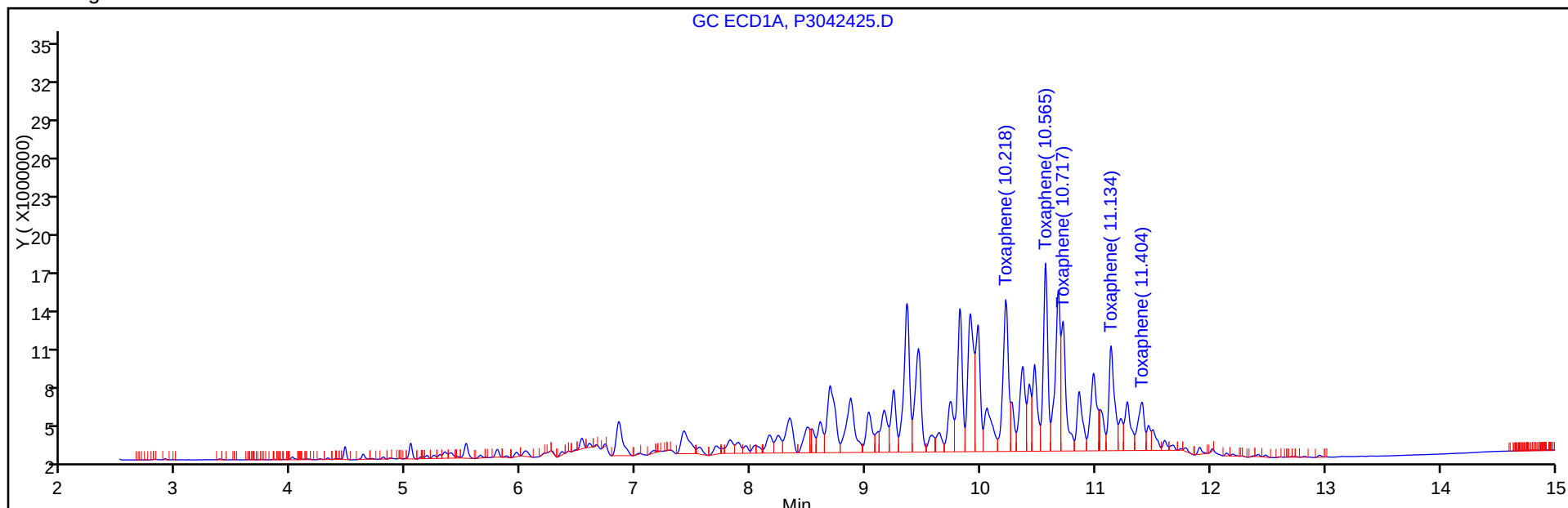
Operator ID: 402582

Injection Vol: 1.0 ul

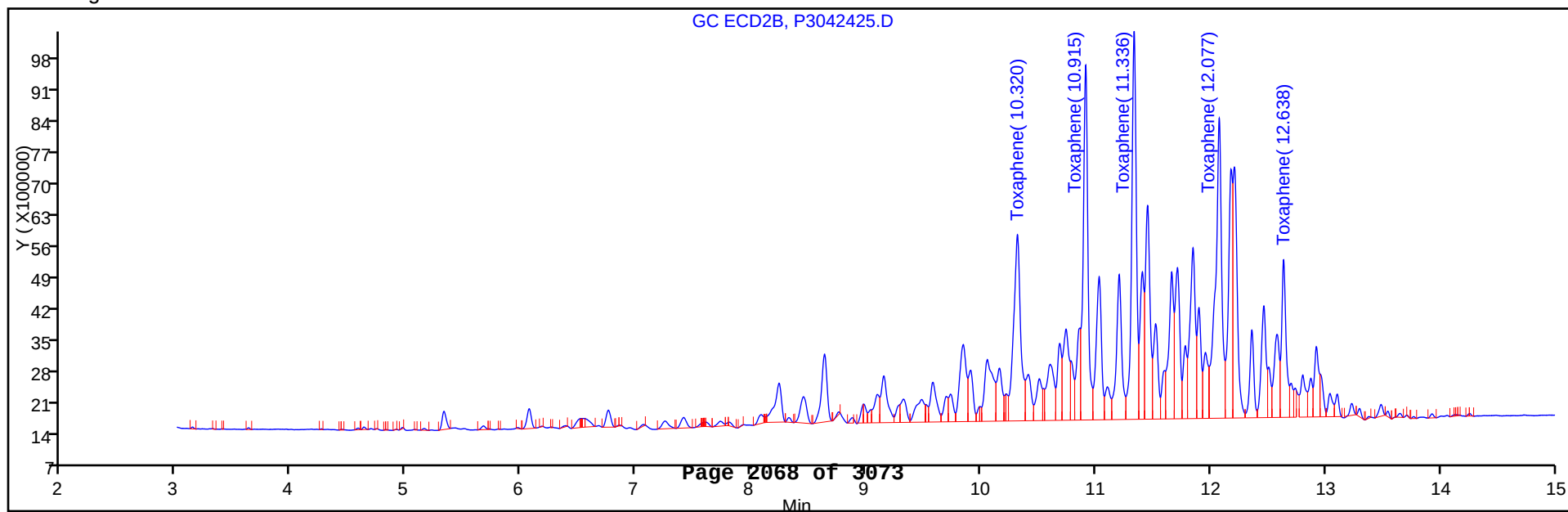
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP3\20130424-19209.b\P3042425.D

Injection Date: 24-Apr-2013 18:12:50

Limit Group: GC 8081 D0D ICAL

Client ID:

Instrument ID: A2HP3

Lims Batch ID: 83400

Lims Sample ID: 25

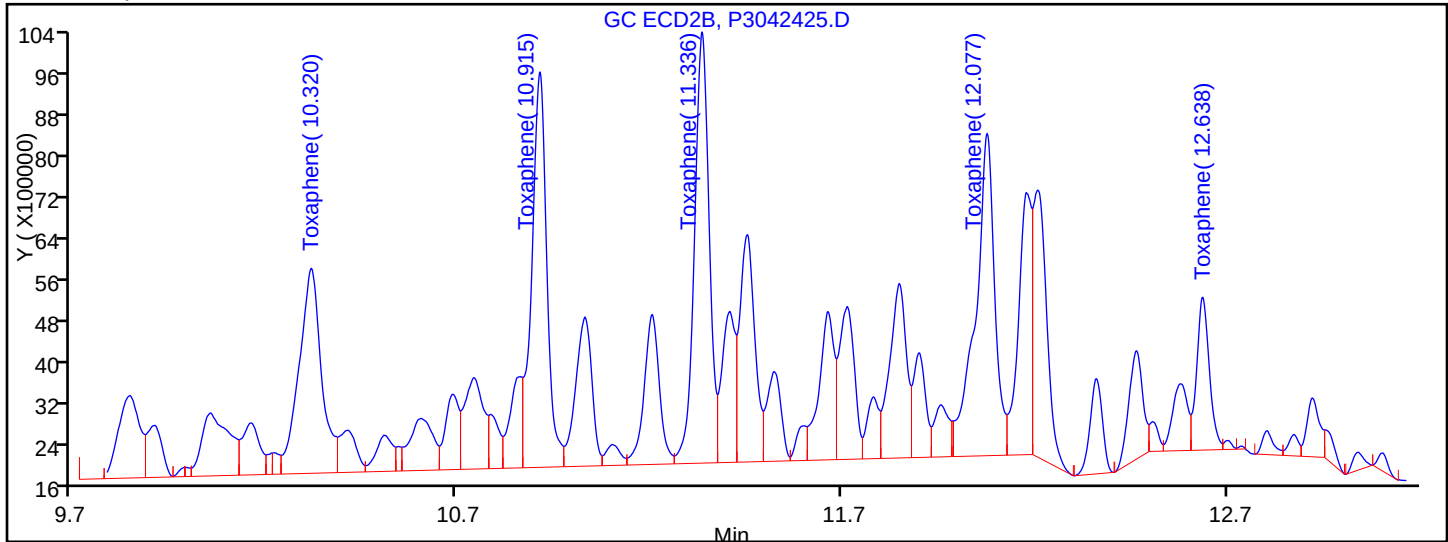
Operator ID: 402582

Injection Vol: 1.0 ul

Column Type:

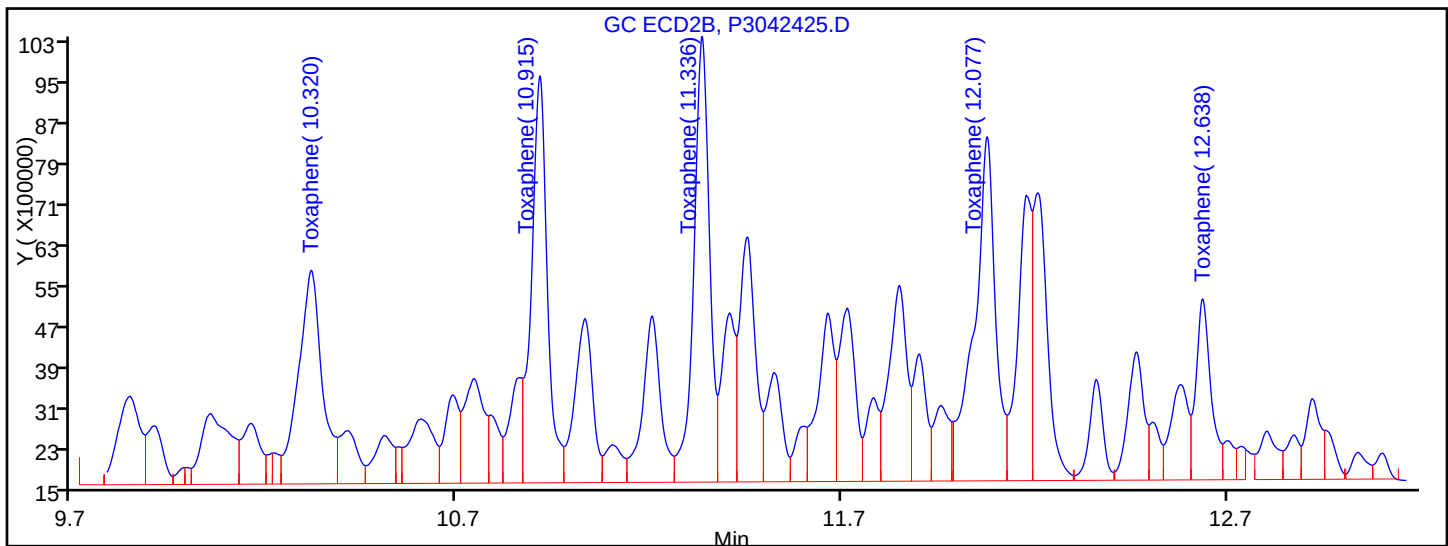
Column Dia:

30 Toxaphene, Detector: 2, GC ecd2b



Processing Integration Results

RT = 10.320	Response = 16090343	M
RT = 10.915	Response = 20857169	M
RT = 11.336	Response = 22227562	M
RT = 12.077	Response = 21680943	M
RT = 12.638	Response = 6762053	M



Manual Integration Results

RT = 10.320	Response = 17901309	M
RT = 10.915	Response = 22794884	M
RT = 11.336	Response = 24698521	M
RT = 12.077	Response = 25721504	M
RT = 12.638	Response = 9622267	M

Reviewer: shockr, 25-Apr-2013 07:12:36

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22852-1
 SDG No.: _____
 Lab Sample ID: CCV 240-83400/38 Calibration Date: 04/24/2013 22:35
 Instrument ID: A2HP3 Calib Start Date: 04/22/2013 22:54
 GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 04/23/2013 00:35
 Lab File ID: P3042438.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	1359242943	1579382960		0.0290	0.0250	16.2	20.0
gamma-BHC (Lindane)	Ave	1208604110	1348782920		0.0279	0.0250	11.6	20.0
beta-BHC	Ave	519268069	584094360		0.0281	0.0250	12.5	20.0
delta-BHC	Ave	1224286313	1230458480		0.0251	0.0250	0.5	20.0
Heptachlor	Ave	1032014038	1049704160		0.0254	0.0250	1.7	20.0
Aldrin	Ave	1088122939	1343372720		0.0309	0.0250	23.5*	20.0
Heptachlor epoxide	Ave	992844247	1187078000		0.0299	0.0250	19.6	20.0
gamma-Chlordane	Ave	998864799	1218187840		0.0305	0.0250	22.0*	20.0
alpha-Chlordane	Ave	1023188492	1258056680		0.0307	0.0250	23.0*	20.0
Endosulfan I	Ave	906422798	1051982000		0.0290	0.0250	16.1	20.0
4,4'-DDE	Ave	968863059	1227534640		0.0317	0.0250	26.7*	20.0
Dieldrin	Ave	998340371	1217414320		0.0305	0.0250	21.9*	20.0
Endrin	Ave	929514238	1096147640		0.0295	0.0250	17.9	20.0
4,4'-DDD	Ave	747950398	1047748160		0.0350	0.0250	40.1*	20.0
Endosulfan II	Ave	839808708	1001911680		0.0298	0.0250	19.3	20.0
4,4'-DDT	Ave	703196613	490030840		0.0174	0.0250	-30.3*	20.0
Endrin aldehyde	Ave	644279437	617961600		0.0240	0.0250	-4.1	20.0
Methoxychlor	Ave	353664852	319879760		0.0226	0.0250	-9.6	20.0
Endosulfan sulfate	Ave	775754698	877491680		0.0283	0.0250	13.1	20.0
Endrin ketone	Ave	898237216	933852120		0.0260	0.0250	4.0	20.0
Tetrachloro-m-xylene	Ave	882328290	1018497720		0.0289	0.0250	15.4	20.0
DCB Decachlorobiphenyl	Ave	827157224	932039320		0.0282	0.0250	12.7	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22852-1
 SDG No.: _____
 Lab Sample ID: CCV 240-83400/38 Calibration Date: 04/24/2013 22:35
 Instrument ID: A2HP3 Calib Start Date: 04/22/2013 22:54
 GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 04/23/2013 00:35
 Lab File ID: P3042438.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.16	4.13	4.19
gamma-BHC (Lindane)	4.54	4.51	4.57
beta-BHC	4.67	4.64	4.70
delta-BHC	4.88	4.85	4.91
Heptachlor	5.16	5.13	5.19
Aldrin	5.61	5.58	5.64
Heptachlor epoxide	6.82	6.79	6.85
gamma-Chlordane	7.12	7.09	7.15
alpha-Chlordane	7.47	7.44	7.50
Endosulfan I	7.75	7.72	7.78
4,4'-DDE	7.85	7.82	7.88
Dieldrin	8.31	8.28	8.34
Endrin	8.77	8.74	8.80
4,4'-DDD	9.14	9.11	9.17
Endosulfan II	9.22	9.19	9.25
4,4'-DDT	9.67	9.64	9.70
Endrin aldehyde	10.03	10.00	10.06
Methoxychlor	10.63	10.60	10.66
Endosulfan sulfate	10.76	10.73	10.79
Endrin ketone	11.16	11.13	11.19
Tetrachloro-m-xylene	3.47	3.44	3.50
DCB Decachlorobiphenyl	12.79	12.76	12.82

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP3\20130424-19209.b\P3042438.D
 Lims ID: CCV AB3 Client ID:
 Inject. Date: 24-Apr-2013 22:35:01 Dil. Factor: 1.0000
 Sample Type: CCV
 Sample ID: 240-0019209-038
 Misc. Info.:
 Operator: 402582 Instrument ID: A2HP3
 Injection Vol: 1.0 ul ALS Bottle#: 38
 Lims Batch ID: 83400 Lims Sample ID: 38
 Sublist: chrom-PEST3*sub7
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCCChrom\ChromData\A2HP3\20130424-19209.b\PEST3.m
 Last Update: 25-Apr-2013 07:51:26 Calib Date: 23-Apr-2013 17:41:50
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP3\20130423-19186.b\P3042315.D
 Limit Group: GC 8081 D0D ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK034

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

\$ 29 Tetrachloro-m-xylene

1	100	3.471	3.471	0.000	25462443	0.0289			
2	100	4.064	4.064	0.000	13606460	0.0283			

RPD = 1.81

5 alpha-BHC

1	100	4.159	4.159	0.000	39484574	0.0290			
2	100	4.915	4.915	0.000	20899825	0.0293			

RPD = 0.75

20 gamma-BHC (Lindane)

1	100	4.537	4.537	0.000	33719573	0.0279			
2	100	5.494	5.494	0.000	17747274	0.0283			

RPD = 1.47

7 beta-BHC

1	100	4.669	4.669	0.000	14602359	0.0281			
2	100	5.678	5.678	0.000	7982115	0.0286			

RPD = 1.84

11 delta-BHC

1	100	4.882	4.882	0.000	30761462	0.0251			
2	100	6.259	6.259	0.000	16389466	0.0252			

RPD = 0.49

22 Heptachlor

1	100	5.162	5.162	0.000	26242604	0.0254			
2	100	6.319	6.319	0.000	12190117	0.0247			

RPD = 3.04

4 Aldrin

1	100	5.610	5.610	0.000	33584318	0.0309			
2	100	7.064	7.064	0.000	17884578	0.0309			

RPD = 0.07

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.821	6.821	0.000	29676950	0.0299			
2	100	8.563	8.563	0.000	15468897	0.0301			
						RPD = 0.75			
21 gamma-Chlordane									
1	100	7.120	7.120	0.000	30454696	0.0305			
2	100	8.969	8.969	0.000	15776432	0.0310			
						RPD = 1.70			
6 alpha-Chlordane									
1	100	7.469	7.469	0.000	31451417	0.0307			
2	100	9.278	9.278	0.000	16061103	0.0307			
						RPD = 0.02			
14 Endosulfan I									
1	100	7.745	7.745	0.000	26299550	0.0290			
2	100	9.346	9.346	0.000	13309411	0.0290			
						RPD = 0.10			
2 4,4'-DDE									
1	100	7.849	7.849	0.000	30688366	0.0317			
2	100	9.725	9.725	0.000	15555659	0.0313			
						RPD = 1.17			
13 Dieldrin									
1	100	8.309	8.309	0.000	30435358	0.0305			
2	100	9.872	9.872	0.000	15349240	0.0307			
						RPD = 0.60			
17 Endrin									
1	100	8.769	8.769	0.000	27403691	0.0295			
2	100	10.395	10.395	0.000	13470068	0.0294			
						RPD = 0.37			
1 4,4'-DDD									
1	100	9.136	9.136	0.000	26193704	0.0350			
2	100	10.734	10.734	0.000	13273664	0.0381			
						RPD = 8.34			
15 Endosulfan II									
1	100	9.221	9.221	0.000	25047792	0.0298			
2	100	10.765	10.765	0.000	12807182	0.0300			
						RPD = 0.46			
3 4,4'-DDT									
1	100	9.665	9.665	0.000	12250771	0.0174			
2	100	11.216	11.216	0.000	5587473	0.0180			
						RPD = 3.49			
18 Endrin aldehyde									
1	100	10.029	10.029	0.000	15449040	0.0240			
2	100	11.332	11.332	0.000	7677354	0.0237			
						RPD = 0.96			
27 Methoxychlor									
1	100	10.630	10.630	0.000	7996994	0.0226			
2	100	12.297	12.297	0.000	3506528	0.0227			
						RPD = 0.56			

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

16 Endosulfan sulfate

1	100	10.761	10.761	0.000	21937292	0.0283			
2	100	11.750	11.750	0.000	11208572	0.0292			

RPD = 3.11

19 Endrin ketone

1	100	11.161	11.161	0.000	23346303	0.0260			
2	100	12.499	12.499	0.000	11497791	0.0267			

RPD = 2.87

\$ 10 DCB Decachlorobiphenyl

1	100	12.785	12.785	0.000	23300983	0.0282			
2	100	14.216	14.216	0.000	11818428	0.0274			

RPD = 2.91

Report Date: 25-Apr-2013 07:51:27

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP3\20130424-19209.b\P3042438.D

Injection Date: 24-Apr-2013 22:35:01

Limit Group: GC 8081 D0D ICAL

Client ID:

Instrument ID: A2HP3

Lims Batch ID: 83400

Lims Sample ID: 38

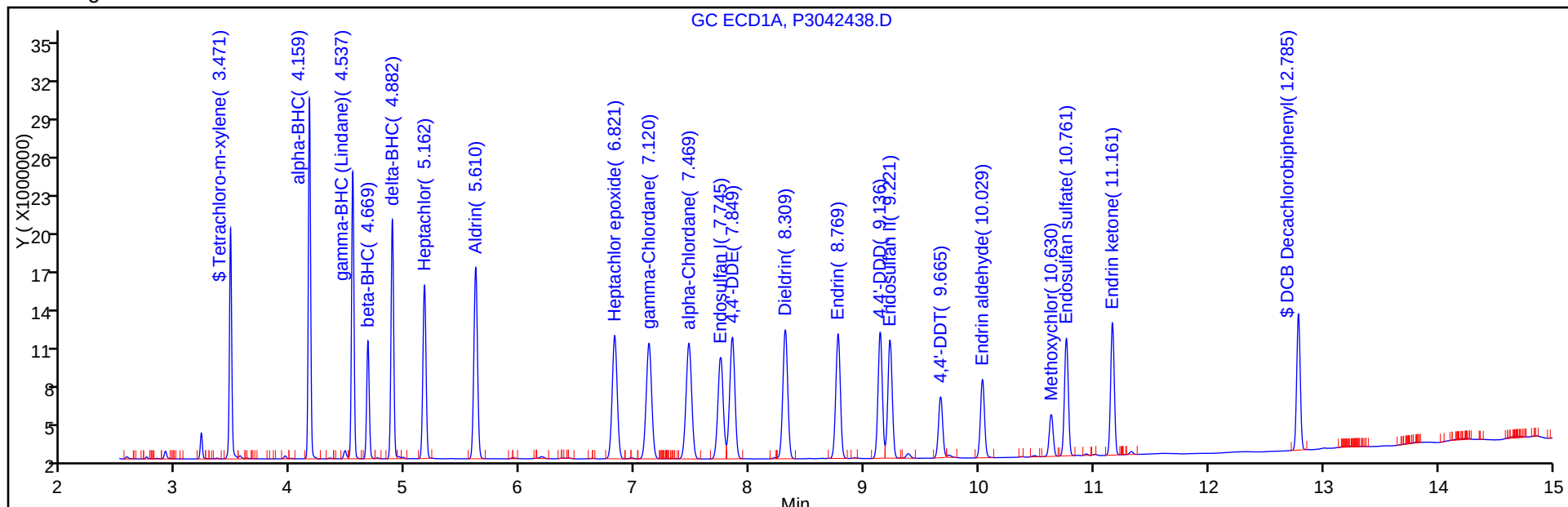
Operator ID: 402582

Injection Vol: 1.0 ul

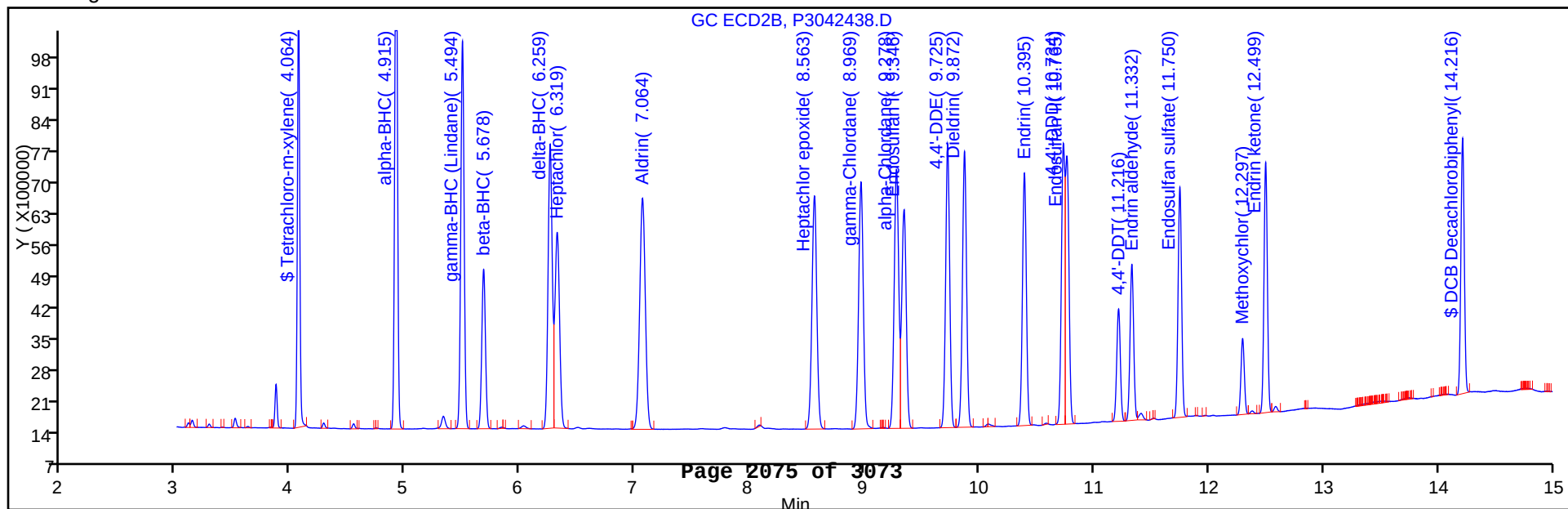
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22852-1
 SDG No.: _____
 Lab Sample ID: CCV 240-83400/38 Calibration Date: 04/24/2013 22:35
 Instrument ID: A2HP3 Calib Start Date: 04/22/2013 22:54
 GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 04/23/2013 00:35
 Lab File ID: P3042438.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	714126036	835993000		0.0293	0.0250	17.1	20.0
gamma-BHC (Lindane)	Ave	626844478	709890960		0.0283	0.0250	13.2	20.0
beta-BHC	Ave	278685187	319284600		0.0286	0.0250	14.6	20.0
delta-BHC	Ave	649094974	655578640		0.0252	0.0250	1.0	20.0
Heptachlor	Ave	494206075	487604680		0.0247	0.0250	-1.3	20.0
Aldrin	Ave	579038535	715383120		0.0309	0.0250	23.5*	20.0
Heptachlor epoxide	Ave	513668973	618755880		0.0301	0.0250	20.5*	20.0
gamma-Chlordane	Ave	508733248	631057280		0.0310	0.0250	24.0*	20.0
alpha-Chlordane	Ave	522623723	642444120		0.0307	0.0250	22.9*	20.0
Endosulfan I	Ave	459163342	532376440		0.0290	0.0250	15.9	20.0
4,4'-DDE	Ave	496902560	622226360		0.0313	0.0250	25.2*	20.0
Dieldrin	Ave	500474757	613969600		0.0307	0.0250	22.7*	20.0
Endrin	Ave	458610093	538802720		0.0294	0.0250	17.5	20.0
4,4'-DDD	Ave	348673589	530946560		0.0381	0.0250	52.3*	20.0
Endosulfan II	Ave	427445028	512287280		0.0300	0.0250	19.8	20.0
4,4'-DDT	Ave	309716187	223498920		0.0180	0.0250	-27.8*	20.0
Endrin aldehyde	Ave	323271966	307094160		0.0237	0.0250	-5.0	20.0
Endosulfan sulfate	Ave	384218328	448342880		0.0292	0.0250	16.7	20.0
Methoxychlor	Ave	154205847	140261120		0.0227	0.0250	-9.0	20.0
Endrin ketone	Ave	429863795	459911640		0.0267	0.0250	7.0	20.0
Tetrachloro-m-xylene	Ave	480112544	544258400		0.0283	0.0250	13.4	20.0
DCB Decachlorobiphenyl	Ave	431941305	472737120		0.0274	0.0250	9.4	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22852-1
 SDG No.: _____
 Lab Sample ID: CCV 240-83400/38 Calibration Date: 04/24/2013 22:35
 Instrument ID: A2HP3 Calib Start Date: 04/22/2013 22:54
 GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 04/23/2013 00:35
 Lab File ID: P3042438.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.92	4.89	4.95
gamma-BHC (Lindane)	5.49	5.46	5.52
beta-BHC	5.68	5.65	5.71
delta-BHC	6.26	6.23	6.29
Heptachlor	6.32	6.29	6.35
Aldrin	7.06	7.03	7.09
Heptachlor epoxide	8.56	8.53	8.59
gamma-Chlordane	8.97	8.94	9.00
alpha-Chlordane	9.28	9.25	9.31
Endosulfan I	9.35	9.32	9.38
4,4'-DDE	9.73	9.70	9.76
Dieldrin	9.87	9.84	9.90
Endrin	10.40	10.37	10.43
4,4'-DDD	10.73	10.70	10.76
Endosulfan II	10.77	10.74	10.80
4,4'-DDT	11.22	11.19	11.25
Endrin aldehyde	11.33	11.30	11.36
Endosulfan sulfate	11.75	11.72	11.78
Methoxychlor	12.30	12.27	12.33
Endrin ketone	12.50	12.47	12.53
Tetrachloro-m-xylene	4.06	4.03	4.09
DCB Decachlorobiphenyl	14.22	14.19	14.25

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP3\20130424-19209.b\P3042438.D
 Lims ID: CCV AB3 Client ID:
 Inject. Date: 24-Apr-2013 22:35:01 Dil. Factor: 1.0000
 Sample Type: CCV
 Sample ID: 240-0019209-038
 Misc. Info.:
 Operator: 402582 Instrument ID: A2HP3
 Injection Vol: 1.0 ul ALS Bottle#: 38
 Lims Batch ID: 83400 Lims Sample ID: 38
 Sublist: chrom-PEST3*sub7
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCCChrom\ChromData\A2HP3\20130424-19209.b\PEST3.m
 Last Update: 25-Apr-2013 07:51:26 Calib Date: 23-Apr-2013 17:41:50
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP3\20130423-19186.b\P3042315.D
 Limit Group: GC 8081 D0D ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK034

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

\$ 29 Tetrachloro-m-xylene

1	100	3.471	3.471	0.000	25462443	0.0289			
2	100	4.064	4.064	0.000	13606460	0.0283			

RPD = 1.81

5 alpha-BHC

1	100	4.159	4.159	0.000	39484574	0.0290			
2	100	4.915	4.915	0.000	20899825	0.0293			

RPD = 0.75

20 gamma-BHC (Lindane)

1	100	4.537	4.537	0.000	33719573	0.0279			
2	100	5.494	5.494	0.000	17747274	0.0283			

RPD = 1.47

7 beta-BHC

1	100	4.669	4.669	0.000	14602359	0.0281			
2	100	5.678	5.678	0.000	7982115	0.0286			

RPD = 1.84

11 delta-BHC

1	100	4.882	4.882	0.000	30761462	0.0251			
2	100	6.259	6.259	0.000	16389466	0.0252			

RPD = 0.49

22 Heptachlor

1	100	5.162	5.162	0.000	26242604	0.0254			
2	100	6.319	6.319	0.000	12190117	0.0247			

RPD = 3.04

4 Aldrin

1	100	5.610	5.610	0.000	33584318	0.0309			
2	100	7.064	7.064	0.000	17884578	0.0309			

RPD = 0.07

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.821	6.821	0.000	29676950	0.0299			
2	100	8.563	8.563	0.000	15468897	0.0301			
						RPD = 0.75			
21 gamma-Chlordane									
1	100	7.120	7.120	0.000	30454696	0.0305			
2	100	8.969	8.969	0.000	15776432	0.0310			
						RPD = 1.70			
6 alpha-Chlordane									
1	100	7.469	7.469	0.000	31451417	0.0307			
2	100	9.278	9.278	0.000	16061103	0.0307			
						RPD = 0.02			
14 Endosulfan I									
1	100	7.745	7.745	0.000	26299550	0.0290			
2	100	9.346	9.346	0.000	13309411	0.0290			
						RPD = 0.10			
2 4,4'-DDE									
1	100	7.849	7.849	0.000	30688366	0.0317			
2	100	9.725	9.725	0.000	15555659	0.0313			
						RPD = 1.17			
13 Dieldrin									
1	100	8.309	8.309	0.000	30435358	0.0305			
2	100	9.872	9.872	0.000	15349240	0.0307			
						RPD = 0.60			
17 Endrin									
1	100	8.769	8.769	0.000	27403691	0.0295			
2	100	10.395	10.395	0.000	13470068	0.0294			
						RPD = 0.37			
1 4,4'-DDD									
1	100	9.136	9.136	0.000	26193704	0.0350			
2	100	10.734	10.734	0.000	13273664	0.0381			
						RPD = 8.34			
15 Endosulfan II									
1	100	9.221	9.221	0.000	25047792	0.0298			
2	100	10.765	10.765	0.000	12807182	0.0300			
						RPD = 0.46			
3 4,4'-DDT									
1	100	9.665	9.665	0.000	12250771	0.0174			
2	100	11.216	11.216	0.000	5587473	0.0180			
						RPD = 3.49			
18 Endrin aldehyde									
1	100	10.029	10.029	0.000	15449040	0.0240			
2	100	11.332	11.332	0.000	7677354	0.0237			
						RPD = 0.96			
27 Methoxychlor									
1	100	10.630	10.630	0.000	7996994	0.0226			
2	100	12.297	12.297	0.000	3506528	0.0227			
						RPD = 0.56			

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

16 Endosulfan sulfate

1	100	10.761	10.761	0.000	21937292	0.0283			
2	100	11.750	11.750	0.000	11208572	0.0292			

RPD = 3.11

19 Endrin ketone

1	100	11.161	11.161	0.000	23346303	0.0260			
2	100	12.499	12.499	0.000	11497791	0.0267			

RPD = 2.87

\$ 10 DCB Decachlorobiphenyl

1	100	12.785	12.785	0.000	23300983	0.0282			
2	100	14.216	14.216	0.000	11818428	0.0274			

RPD = 2.91

Report Date: 25-Apr-2013 07:51:27

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP3\20130424-19209.b\P3042438.D

Injection Date: 24-Apr-2013 22:35:01

Limit Group: GC 8081 D0D ICAL

Client ID:

Instrument ID: A2HP3

Lims Batch ID: 83400

Lims Sample ID: 38

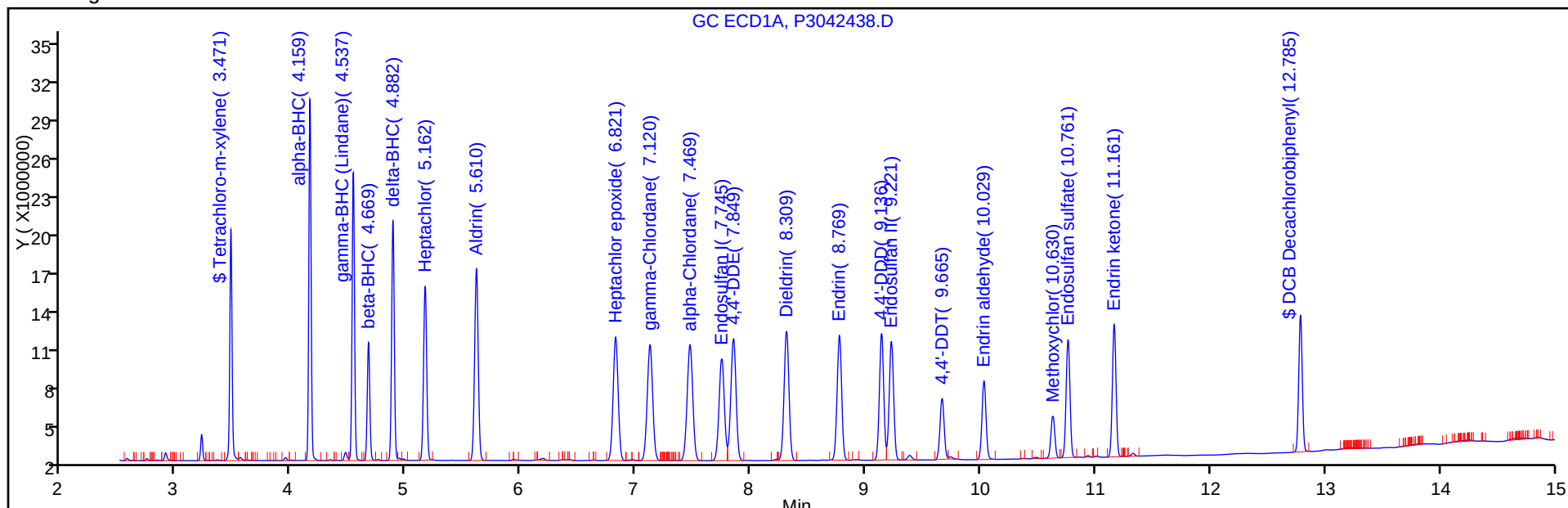
Operator ID: 402582

Injection Vol: 1.0 ul

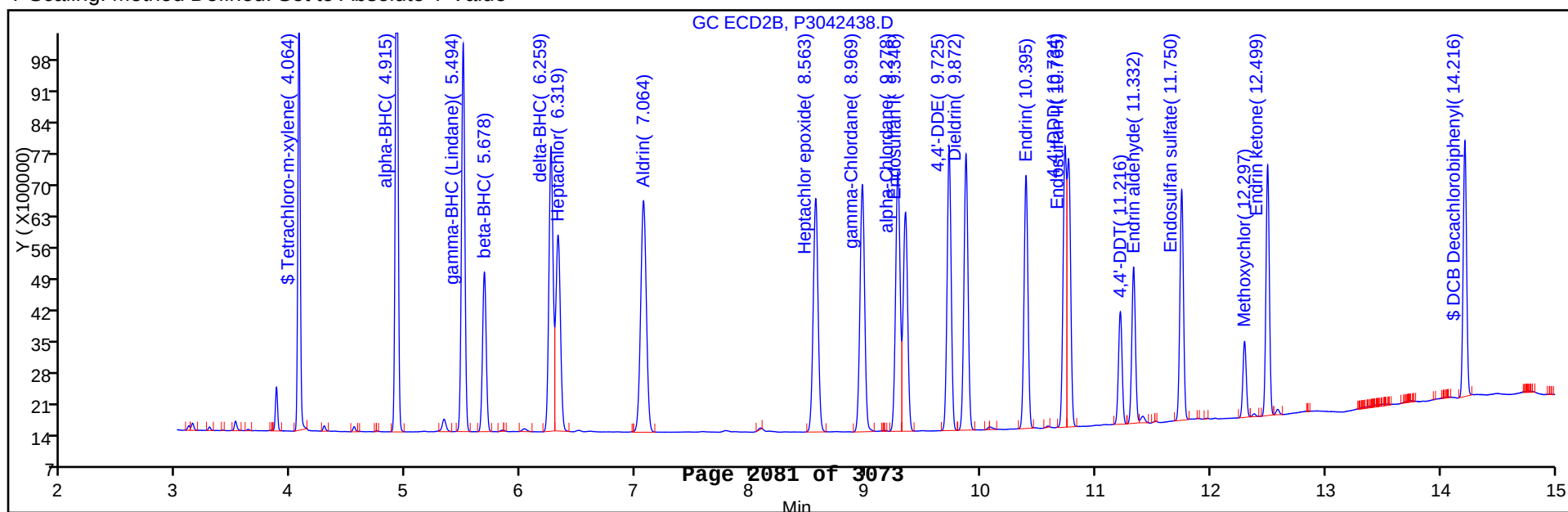
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22852-1
SDG No.: _____
Lab Sample ID: CCV 240-83482/5 Calibration Date: 04/25/2013 09:17
Instrument ID: A2HP3 Calib Start Date: 04/22/2013 18:52
GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 04/22/2013 20:13
Lab File ID: P3042505.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Ave	38294747	36819256		0.961	1.00	-3.9	20.0
Toxaphene Peak 2	Ave	36690952	37331335		1.02	1.00	1.7	20.0
Toxaphene Peak 3	Ave	28834208	28883820		1.00	1.00	0.2	20.0
Toxaphene Peak 4	Ave	23017922	23161890		1.01	1.00	0.6	20.0
Toxaphene Peak 5	Ave	18081479	18046169		0.998	1.00	-0.2	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22852-1
SDG No.: _____
Lab Sample ID: CCV 240-83482/5 Calibration Date: 04/25/2013 09:17
Instrument ID: A2HP3 Calib Start Date: 04/22/2013 18:52
GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 04/22/2013 20:13
Lab File ID: P3042505.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	10.22	10.19	10.25
Toxaphene Peak 2	10.56	10.53	10.59
Toxaphene Peak 3	10.72	10.69	10.75
Toxaphene Peak 4	11.14	11.11	11.17
Toxaphene Peak 5	11.41	11.38	11.44

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP3\20130425-19246.b\P3042505.D
 Lims ID: CCV TOX3 Client ID:
 Inject. Date: 25-Apr-2013 09:17:01 Dil. Factor: 1.0000
 Sample Type: CCV
 Sample ID: 240-0019246-005
 Misc. Info.:
 Operator: 402582 Instrument ID: A2HP3
 Injection Vol: 1.0 ul ALS Bottle#: 5
 Lims Batch ID: 83482 Lims Sample ID: 5
 Sublist: chrom-PEST3*sub5
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCCChrom\ChromData\A2HP3\20130425-19246.b\PEST3.m
 Last Update: 25-Apr-2013 15:39:58 Calib Date: 23-Apr-2013 17:41:50
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP3\20130423-19186.b\P3042315.D
 Limit Group: GC 8081 D0D ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK034

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

30 Toxaphene

1	1	10.220	10.220	0.000	36819256	0.9615		100.0	
1	2	10.564	10.564	0.000	37331335	1.02	77.7- 117.7	101.4	
1	3	10.718	10.718	0.000	28883820	1.00	57.0- 97.0	78.4	
1	4	11.135	11.135	0.000	23161890	1.01	39.5- 79.5	62.9	
1	5	11.407	11.407	0.000	18046169	1.00	26.4- 66.4	49.0	

Average of Peak Amounts = 1.00

2	100	10.324	10.324	0.000	13934769	0.9305		100.0	
2	2	10.917	10.917	0.000	18306247	1.00	102.8- 142.8	131.4	
2	3	11.339	11.339	0.000	21607723	1.01	124.4- 164.4	155.1	
2	4	12.081	12.081	0.000	24295909	1.01	139.5- 179.5	174.4	
2	5	12.641	12.641	0.000	9693578	1.01	45.4- 85.4	69.6	

Average of Peak Amounts = 0.99

RPD = 0.61

Report Date: 25-Apr-2013 15:39:58

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP3\20130425-19246.b\P3042505.D

Injection Date: 25-Apr-2013 09:17:01

Limit Group: GC 8081 D0D ICAL

Client ID:

Instrument ID: A2HP3

Lims Batch ID: 83482

Lims Sample ID: 5

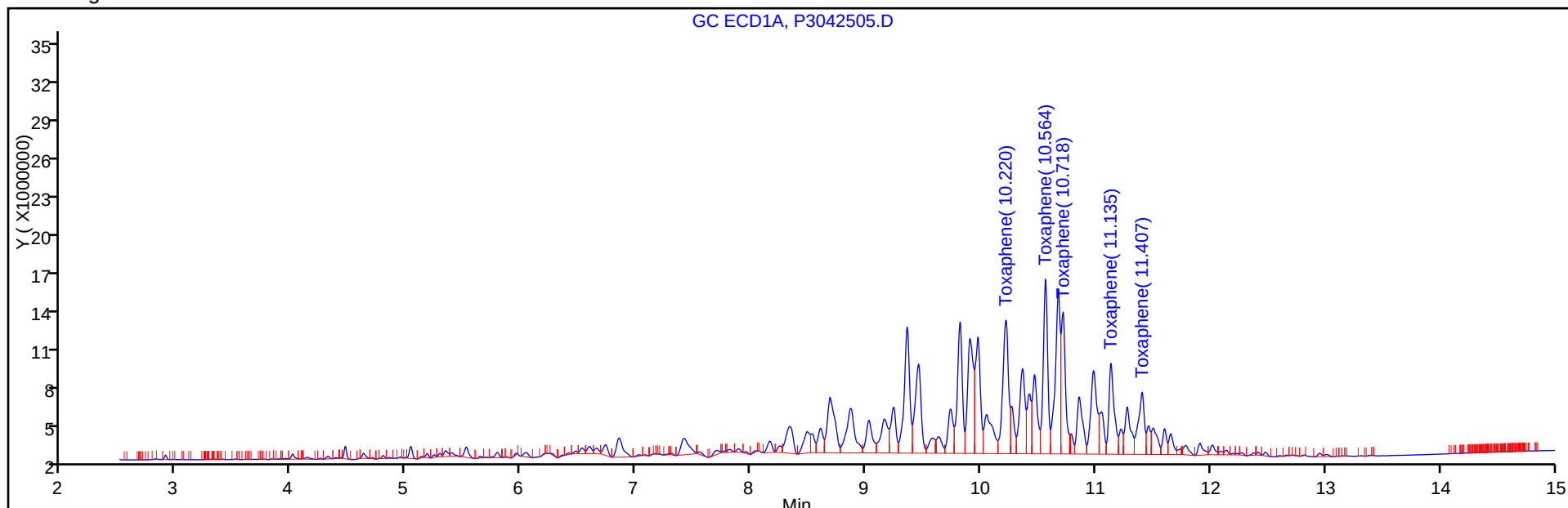
Operator ID: 402582

Injection Vol: 1.0 ul

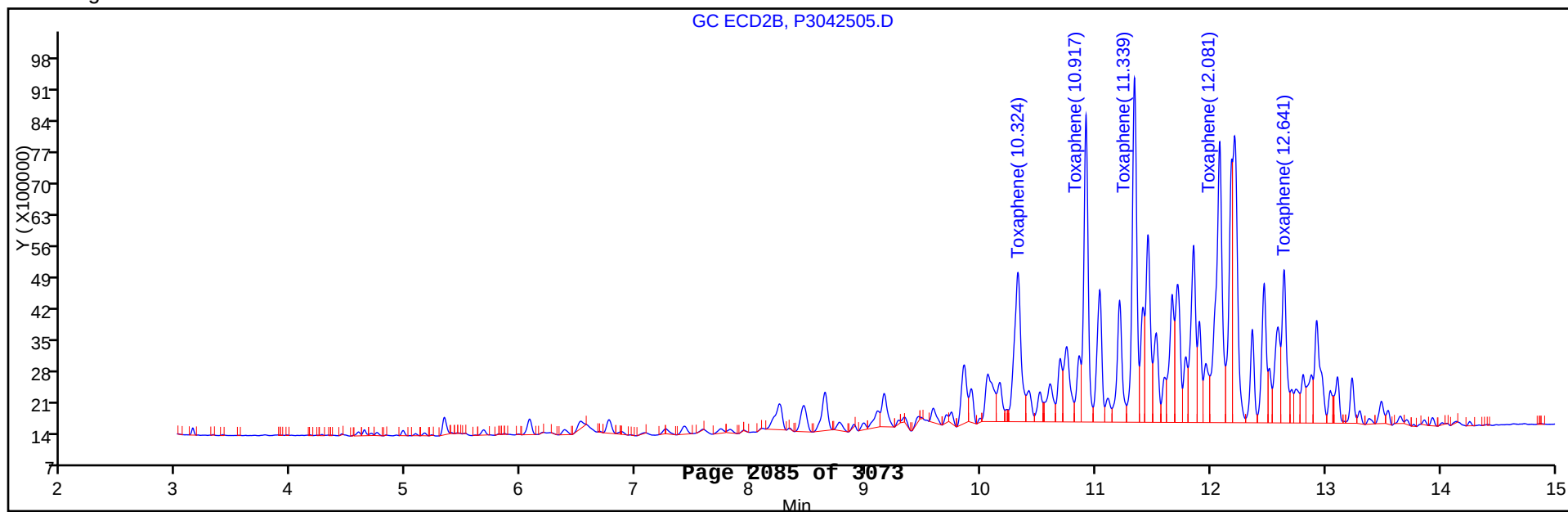
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22852-1
SDG No.: _____
Lab Sample ID: CCV 240-83482/5 Calibration Date: 04/25/2013 09:17
Instrument ID: A2HP3 Calib Start Date: 04/22/2013 18:52
GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 04/22/2013 20:13
Lab File ID: P3042505.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Ave	14975845	13934769		0.930	1.00	-7.0	20.0
Toxaphene Peak 2	Ave	18337483	18306247		0.998	1.00	-0.2	20.0
Toxaphene Peak 3	Ave	21437307	21607723		1.01	1.00	0.8	20.0
Toxaphene Peak 4	Ave	24002348	24295909		1.01	1.00	1.2	20.0
Toxaphene Peak 5	Ave	9638555	9693578		1.01	1.00	0.6	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22852-1
SDG No.: _____
Lab Sample ID: CCV 240-83482/5 Calibration Date: 04/25/2013 09:17
Instrument ID: A2HP3 Calib Start Date: 04/22/2013 18:52
GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 04/22/2013 20:13
Lab File ID: P3042505.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	10.32	10.29	10.35
Toxaphene Peak 2	10.92	10.89	10.95
Toxaphene Peak 3	11.34	11.31	11.37
Toxaphene Peak 4	12.08	12.05	12.11
Toxaphene Peak 5	12.64	12.61	12.67

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP3\20130425-19246.b\P3042505.D
 Lims ID: CCV TOX3 Client ID:
 Inject. Date: 25-Apr-2013 09:17:01 Dil. Factor: 1.0000
 Sample Type: CCV
 Sample ID: 240-0019246-005
 Misc. Info.:
 Operator: 402582 Instrument ID: A2HP3
 Injection Vol: 1.0 ul ALS Bottle#: 5
 Lims Batch ID: 83482 Lims Sample ID: 5
 Sublist: chrom-PEST3*sub5
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCCChrom\ChromData\A2HP3\20130425-19246.b\PEST3.m
 Last Update: 25-Apr-2013 15:39:58 Calib Date: 23-Apr-2013 17:41:50
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP3\20130423-19186.b\P3042315.D
 Limit Group: GC 8081 D0D ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK034

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

30 Toxaphene

1	1	10.220	10.220	0.000	36819256	0.9615		100.0	
1	2	10.564	10.564	0.000	37331335	1.02	77.7- 117.7	101.4	
1	3	10.718	10.718	0.000	28883820	1.00	57.0- 97.0	78.4	
1	4	11.135	11.135	0.000	23161890	1.01	39.5- 79.5	62.9	
1	5	11.407	11.407	0.000	18046169	1.00	26.4- 66.4	49.0	
Average of Peak Amounts =						1.00			
2	100	10.324	10.324	0.000	13934769	0.9305		100.0	
2	2	10.917	10.917	0.000	18306247	1.00	102.8- 142.8	131.4	
2	3	11.339	11.339	0.000	21607723	1.01	124.4- 164.4	155.1	
2	4	12.081	12.081	0.000	24295909	1.01	139.5- 179.5	174.4	
2	5	12.641	12.641	0.000	9693578	1.01	45.4- 85.4	69.6	
Average of Peak Amounts =						0.99			

RPD = 0.61

Report Date: 25-Apr-2013 15:39:58

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP3\20130425-19246.b\P3042505.D

Injection Date: 25-Apr-2013 09:17:01

Limit Group: GC 8081 D0D ICAL

Client ID:

Instrument ID: A2HP3

Lims Batch ID: 83482

Lims Sample ID: 5

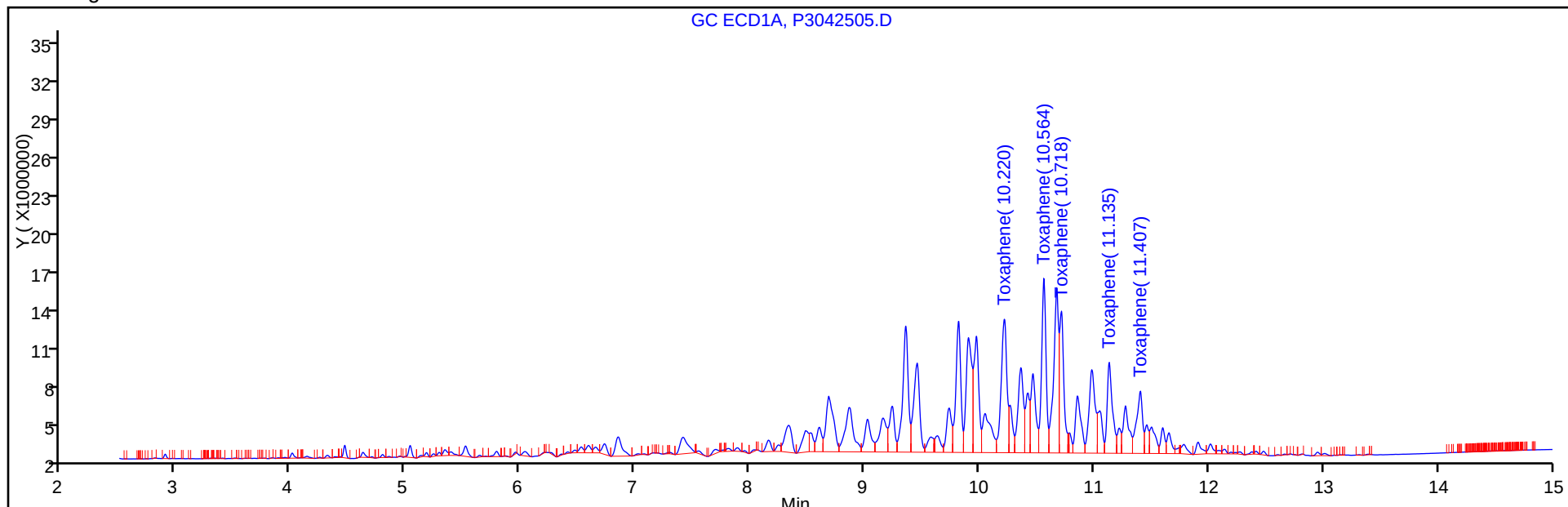
Operator ID: 402582

Injection Vol: 1.0 ul

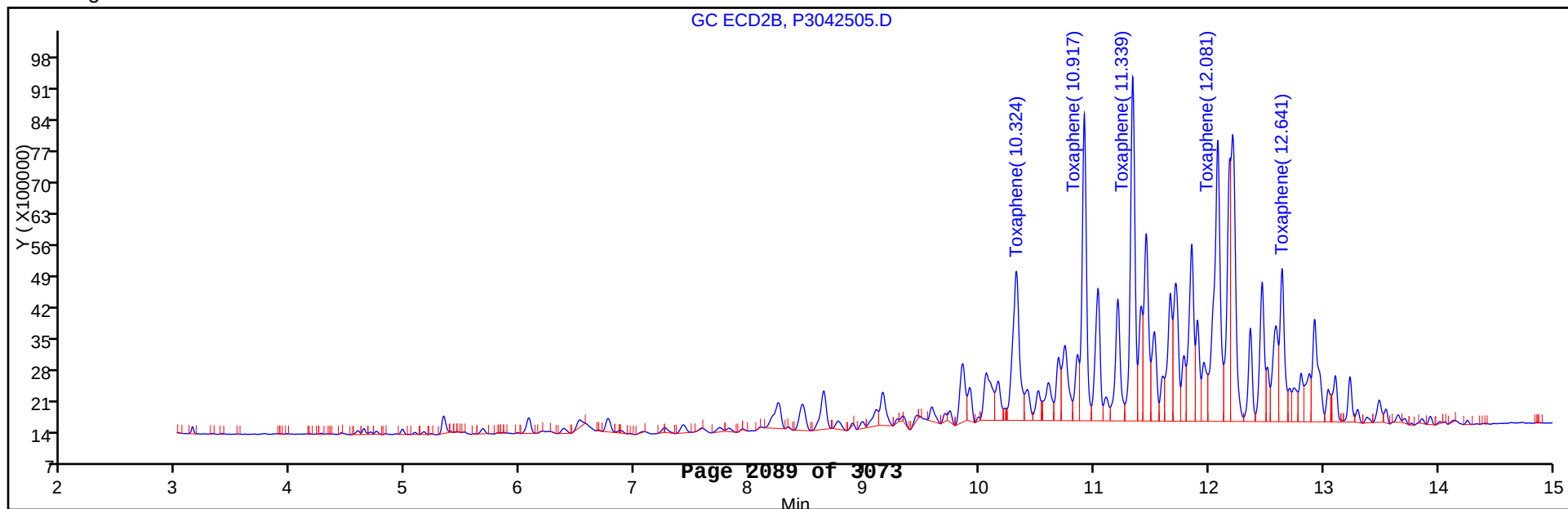
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22852-1
 SDG No.: _____
 Lab Sample ID: CCV 240-83482/7 Calibration Date: 04/25/2013 09:57
 Instrument ID: A2HP3 Calib Start Date: 04/22/2013 22:54
 GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 04/23/2013 00:35
 Lab File ID: P3042507.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	1359242943	1490635640		0.0274	0.0250	9.7	20.0
gamma-BHC (Lindane)	Ave	1208604110	1275592560		0.0264	0.0250	5.5	20.0
beta-BHC	Ave	519268069	542916000		0.0261	0.0250	4.6	20.0
delta-BHC	Ave	1224286313	1314804160		0.0268	0.0250	7.4	20.0
Heptachlor	Ave	1032014038	1065534080		0.0258	0.0250	3.2	20.0
Aldrin	Ave	1088122939	1301102320		0.0299	0.0250	19.6	20.0
Heptachlor epoxide	Ave	992844247	1046484360		0.0264	0.0250	5.4	20.0
gamma-Chlordane	Ave	998864799	1073549040		0.0269	0.0250	7.5	20.0
alpha-Chlordane	Ave	1023188492	1120288120		0.0274	0.0250	9.5	20.0
Endosulfan I	Ave	906422798	963997680		0.0266	0.0250	6.4	20.0
4,4'-DDE	Ave	968863059	1127891800		0.0291	0.0250	16.4	20.0
Dieldrin	Ave	998340371	1063517520		0.0266	0.0250	6.5	20.0
Endrin	Ave	929514238	953202560		0.0256	0.0250	2.5	20.0
4,4'-DDD	Ave	747950398	824296400		0.0276	0.0250	10.2	20.0
Endosulfan II	Ave	839808708	910824200		0.0271	0.0250	8.5	20.0
4,4'-DDT	Ave	703196613	743089720		0.0264	0.0250	5.7	20.0
Endrin aldehyde	Ave	644279437	673058120		0.0261	0.0250	4.5	20.0
Methoxychlor	Ave	353664852	405759800		0.0287	0.0250	14.7	20.0
Endosulfan sulfate	Ave	775754698	848119560		0.0273	0.0250	9.3	20.0
Endrin ketone	Ave	898237216	984986720		0.0274	0.0250	9.7	20.0
Tetrachloro-m-xylene	Ave	882328290	978379280		0.0277	0.0250	10.9	20.0
DCB Decachlorobiphenyl	Ave	827157224	941691240		0.0285	0.0250	13.8	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22852-1
 SDG No.: _____
 Lab Sample ID: CCV 240-83482/7 Calibration Date: 04/25/2013 09:57
 Instrument ID: A2HP3 Calib Start Date: 04/22/2013 22:54
 GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 04/23/2013 00:35
 Lab File ID: P3042507.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.16	4.13	4.19
gamma-BHC (Lindane)	4.54	4.51	4.57
beta-BHC	4.67	4.64	4.70
delta-BHC	4.88	4.85	4.91
Heptachlor	5.16	5.13	5.19
Aldrin	5.61	5.58	5.64
Heptachlor epoxide	6.82	6.79	6.85
gamma-Chlordane	7.12	7.09	7.15
alpha-Chlordane	7.47	7.44	7.50
Endosulfan I	7.75	7.72	7.78
4,4'-DDE	7.85	7.82	7.88
Dieldrin	8.31	8.28	8.34
Endrin	8.77	8.74	8.80
4,4'-DDD	9.14	9.11	9.17
Endosulfan II	9.22	9.19	9.25
4,4'-DDT	9.67	9.64	9.70
Endrin aldehyde	10.03	10.00	10.06
Methoxychlor	10.63	10.60	10.66
Endosulfan sulfate	10.76	10.73	10.79
Endrin ketone	11.16	11.13	11.19
Tetrachloro-m-xylene	3.47	3.44	3.50
DCB Decachlorobiphenyl	12.79	12.76	12.82

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP3\20130425-19246.b\P3042507.D
 Lims ID: CCV AB3 Client ID:
 Inject. Date: 25-Apr-2013 09:57:18 Dil. Factor: 1.0000
 Sample Type: CCVRT
 Sample ID: 240-0019246-007
 Misc. Info.:
 Operator: 402582 Instrument ID: A2HP3
 Injection Vol: 1.0 ul ALS Bottle#: 7
 Lims Batch ID: 83482 Lims Sample ID: 7
 Sublist: chrom-PEST3*sub7
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCCChrom\ChromData\A2HP3\20130425-19246.b\PEST3.m
 Last Update: 25-Apr-2013 15:40:01 Calib Date: 23-Apr-2013 17:41:50
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP3\20130423-19186.b\P3042315.D
 Limit Group: GC 8081 D0D ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK034

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

\$ 29 Tetrachloro-m-xylene

1	100	3.472	3.472	0.000	24459482	0.0277			
2	100	4.066	4.066	0.000	13421376	0.0280			

RPD = 0.84

5 alpha-BHC

1	100	4.160	4.160	0.000	37265891	0.0274			
2	100	4.917	4.917	0.000	19445373	0.0272			

RPD = 0.68

20 gamma-BHC (Lindane)

1	100	4.537	4.537	0.000	31889814	0.0264			
2	100	5.496	5.496	0.000	16498286	0.0263			

RPD = 0.25

7 beta-BHC

1	100	4.670	4.670	0.000	13572900	0.0261			
2	100	5.681	5.681	0.000	7390290	0.0265			

RPD = 1.44

11 delta-BHC

1	100	4.883	4.883	0.000	32870104	0.0268			
2	100	6.262	6.262	0.000	17125375	0.0264			

RPD = 1.75

22 Heptachlor

1	100	5.163	5.163	0.000	26638352	0.0258			
2	100	6.325	6.325	0.000	12478885	0.0253			

RPD = 2.20

4 Aldrin

1	100	5.611	5.611	0.000	32527558	0.0299			
2	100	7.068	7.068	0.000	17086921	0.0295			

RPD = 1.29

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.823	6.823	0.000	26162109	0.0264			
2	100	8.568	8.568	0.000	13531717	0.0263			
						RPD = 0.03			
21 gamma-Chlordane									
1	100	7.123	7.123	0.000	26838726	0.0269			
2	100	8.973	8.973	0.000	13836539	0.0272			
						RPD = 1.22			
6 alpha-Chlordane									
1	100	7.470	7.470	0.000	28007203	0.0274			
2	100	9.282	9.282	0.000	14193115	0.0272			
						RPD = 0.79			
14 Endosulfan I									
1	100	7.747	7.747	0.000	24099942	0.0266			
2	100	9.349	9.349	0.000	12147626	0.0265			
						RPD = 0.50			
2 4,4'-DDE									
1	100	7.850	7.850	0.000	28197295	0.0291			
2	100	9.729	9.729	0.000	14221133	0.0286			
						RPD = 1.68			
13 Dieldrin									
1	100	8.312	8.312	0.000	26587938	0.0266			
2	100	9.875	9.875	0.000	13322011	0.0266			
						RPD = 0.05			
17 Endrin									
1	100	8.771	8.771	0.000	23830064	0.0256			
2	100	10.398	10.398	0.000	11646269	0.0254			
						RPD = 0.95			
1 4,4'-DDD									
1	100	9.139	9.139	0.000	20607410	0.0276			
2	100	10.737	10.737	0.000	10062561	0.0289			
						RPD = 4.64			
15 Endosulfan II									
1	100	9.223	9.223	0.000	22770605	0.0271			
2	100	10.768	10.768	0.000	11650129	0.0273			
						RPD = 0.52			
3 4,4'-DDT									
1	100	9.665	9.665	0.000	18577243	0.0264			
2	100	11.218	11.218	0.000	8209323	0.0265			
						RPD = 0.33			
18 Endrin aldehyde									
1	100	10.030	10.030	0.000	16826453	0.0261			
2	100	11.335	11.335	0.000	8230525	0.0255			
						RPD = 2.55			
27 Methoxychlor									
1	100	10.631	10.631	0.000	10143995	0.0287			
2	100	12.300	12.300	0.000	4509501	0.0292			
						RPD = 1.94			

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

16 Endosulfan sulfate

1	100	10.762	10.762	0.000	21202989	0.0273			
2	100	11.752	11.752	0.000	10710037	0.0279			

RPD = 1.97

19 Endrin ketone

1	100	11.164	11.164	0.000	24624668	0.0274			
2	100	12.502	12.502	0.000	11964654	0.0278			

RPD = 1.52

\$ 10 DCB Decachlorobiphenyl

1	100	12.785	12.785	0.000	23542281	0.0285			
2	100	14.217	14.217	0.000	12256229	0.0284			

RPD = 0.31

Report Date: 25-Apr-2013 15:40:02

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP3\20130425-19246.b\P3042507.D

Injection Date: 25-Apr-2013 09:57:18

Limit Group: GC 8081 D0D ICAL

Client ID:

Instrument ID: A2HP3

Lims Batch ID: 83482

Lims Sample ID: 7

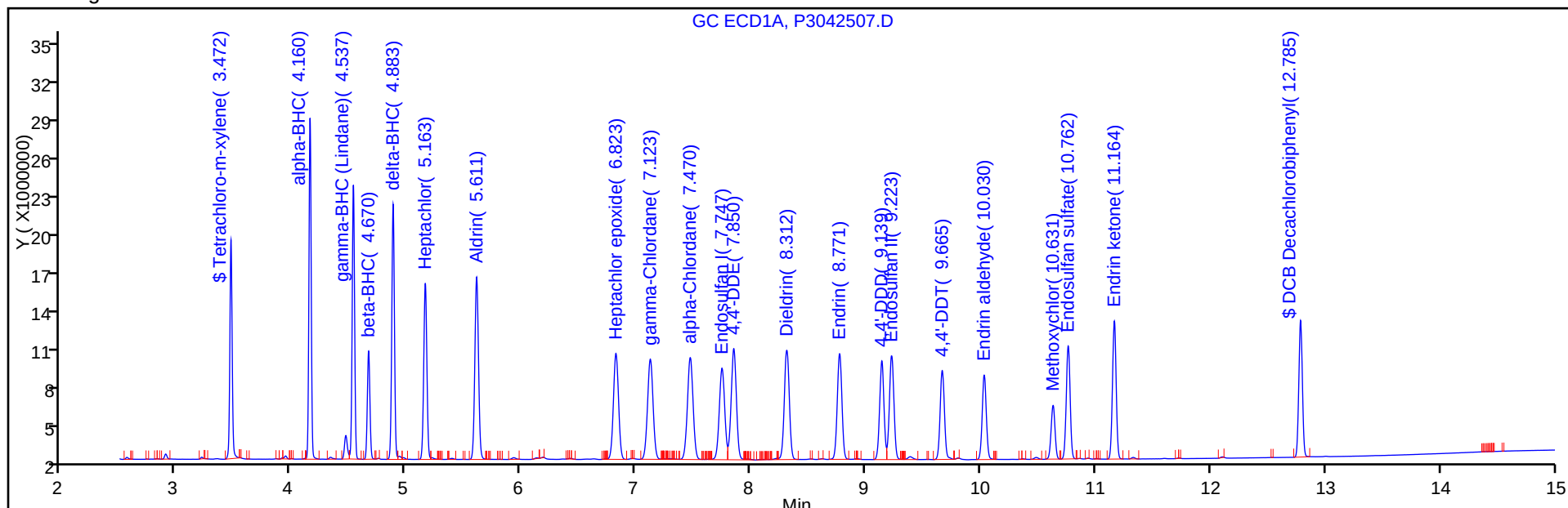
Operator ID: 402582

Injection Vol: 1.0 ul

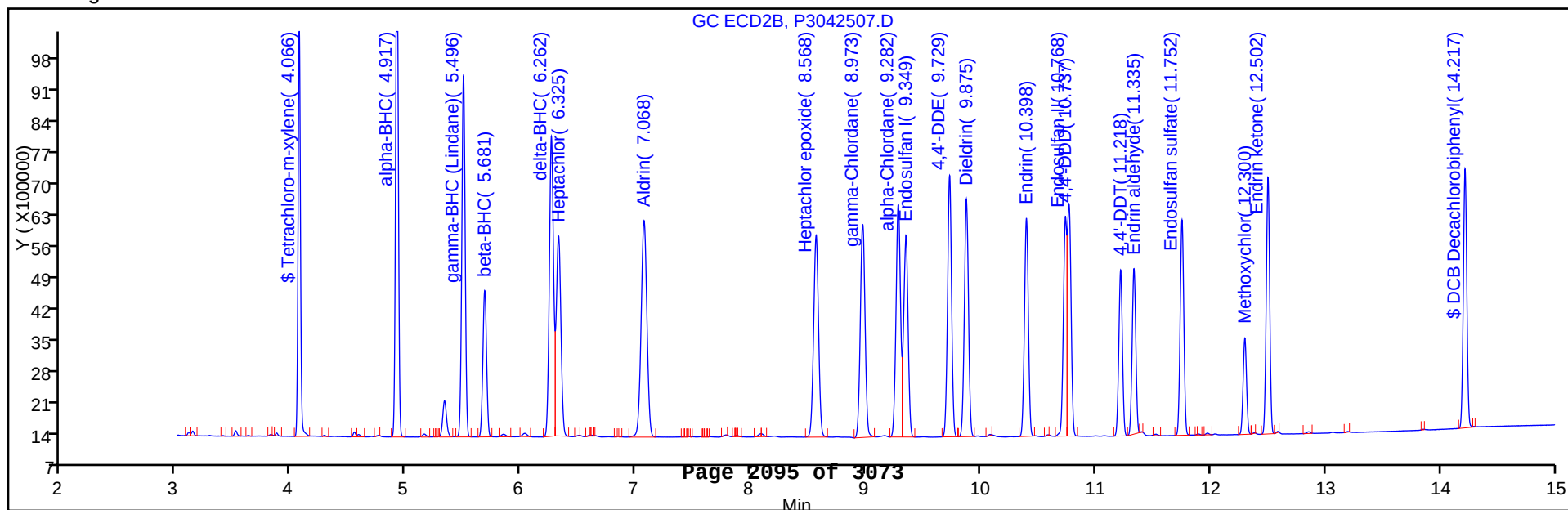
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22852-1
 SDG No.: _____
 Lab Sample ID: CCV 240-83482/7 Calibration Date: 04/25/2013 09:57
 Instrument ID: A2HP3 Calib Start Date: 04/22/2013 22:54
 GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 04/23/2013 00:35
 Lab File ID: P3042507.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	714126036	777814920		0.0272	0.0250	8.9	20.0
gamma-BHC (Lindane)	Ave	626844478	659931440		0.0263	0.0250	5.3	20.0
beta-BHC	Ave	278685187	295611600		0.0265	0.0250	6.1	20.0
delta-BHC	Ave	649094974	685015000		0.0264	0.0250	5.5	20.0
Heptachlor	Ave	494206075	499155400		0.0253	0.0250	1.0	20.0
Aldrin	Ave	579038535	683476840		0.0295	0.0250	18.0	20.0
Heptachlor epoxide	Ave	513668973	541268680		0.0263	0.0250	5.4	20.0
gamma-Chlordane	Ave	508733248	553461560		0.0272	0.0250	8.8	20.0
alpha-Chlordane	Ave	522623723	567724600		0.0272	0.0250	8.6	20.0
Endosulfan I	Ave	459163342	485905040		0.0265	0.0250	5.8	20.0
4,4'-DDE	Ave	496902560	568845320		0.0286	0.0250	14.5	20.0
Dieldrin	Ave	500474757	532880440		0.0266	0.0250	6.5	20.0
Endrin	Ave	458610093	465850760		0.0254	0.0250	1.6	20.0
4,4'-DDD	Ave	348673589	402502440		0.0289	0.0250	15.4	20.0
Endosulfan II	Ave	427445028	466005160		0.0273	0.0250	9.0	20.0
4,4'-DDT	Ave	309716187	328372920		0.0265	0.0250	6.0	20.0
Endrin aldehyde	Ave	323271966	329221000		0.0255	0.0250	1.8	20.0
Endosulfan sulfate	Ave	384218328	428401480		0.0279	0.0250	11.5	20.0
Methoxychlor	Ave	154205847	180380040		0.0292	0.0250	17.0	20.0
Endrin ketone	Ave	429863795	478586160		0.0278	0.0250	11.3	20.0
Tetrachloro-m-xylene	Ave	480112544	536855040		0.0280	0.0250	11.8	20.0
DCB Decachlorobiphenyl	Ave	431941305	490249160		0.0284	0.0250	13.5	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22852-1
 SDG No.: _____
 Lab Sample ID: CCV 240-83482/7 Calibration Date: 04/25/2013 09:57
 Instrument ID: A2HP3 Calib Start Date: 04/22/2013 22:54
 GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 04/23/2013 00:35
 Lab File ID: P3042507.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.92	4.89	4.95
gamma-BHC (Lindane)	5.50	5.47	5.53
beta-BHC	5.68	5.65	5.71
delta-BHC	6.26	6.23	6.29
Heptachlor	6.33	6.30	6.36
Aldrin	7.07	7.04	7.10
Heptachlor epoxide	8.57	8.54	8.60
gamma-Chlordane	8.97	8.94	9.00
alpha-Chlordane	9.28	9.25	9.31
Endosulfan I	9.35	9.32	9.38
4,4'-DDE	9.73	9.70	9.76
Dieldrin	9.88	9.85	9.91
Endrin	10.40	10.37	10.43
4,4'-DDD	10.74	10.71	10.77
Endosulfan II	10.77	10.74	10.80
4,4'-DDT	11.22	11.19	11.25
Endrin aldehyde	11.34	11.31	11.37
Endosulfan sulfate	11.75	11.72	11.78
Methoxychlor	12.30	12.27	12.33
Endrin ketone	12.50	12.47	12.53
Tetrachloro-m-xylene	4.07	4.04	4.10
DCB Decachlorobiphenyl	14.22	14.19	14.25

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP3\20130425-19246.b\P3042507.D
 Lims ID: CCV AB3 Client ID:
 Inject. Date: 25-Apr-2013 09:57:18 Dil. Factor: 1.0000
 Sample Type: CCVRT
 Sample ID: 240-0019246-007
 Misc. Info.:
 Operator: 402582 Instrument ID: A2HP3
 Injection Vol: 1.0 ul ALS Bottle#: 7
 Lims Batch ID: 83482 Lims Sample ID: 7
 Sublist: chrom-PEST3*sub7
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCCChrom\ChromData\A2HP3\20130425-19246.b\PEST3.m
 Last Update: 25-Apr-2013 15:40:01 Calib Date: 23-Apr-2013 17:41:50
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP3\20130423-19186.b\P3042315.D
 Limit Group: GC 8081 D0D ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK034

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

\$ 29 Tetrachloro-m-xylene

1	100	3.472	3.472	0.000	24459482	0.0277			
2	100	4.066	4.066	0.000	13421376	0.0280			

RPD = 0.84

5 alpha-BHC

1	100	4.160	4.160	0.000	37265891	0.0274			
2	100	4.917	4.917	0.000	19445373	0.0272			

RPD = 0.68

20 gamma-BHC (Lindane)

1	100	4.537	4.537	0.000	31889814	0.0264			
2	100	5.496	5.496	0.000	16498286	0.0263			

RPD = 0.25

7 beta-BHC

1	100	4.670	4.670	0.000	13572900	0.0261			
2	100	5.681	5.681	0.000	7390290	0.0265			

RPD = 1.44

11 delta-BHC

1	100	4.883	4.883	0.000	32870104	0.0268			
2	100	6.262	6.262	0.000	17125375	0.0264			

RPD = 1.75

22 Heptachlor

1	100	5.163	5.163	0.000	26638352	0.0258			
2	100	6.325	6.325	0.000	12478885	0.0253			

RPD = 2.20

4 Aldrin

1	100	5.611	5.611	0.000	32527558	0.0299			
2	100	7.068	7.068	0.000	17086921	0.0295			

RPD = 1.29

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.823	6.823	0.000	26162109	0.0264			
2	100	8.568	8.568	0.000	13531717	0.0263			
						RPD = 0.03			
21 gamma-Chlordane									
1	100	7.123	7.123	0.000	26838726	0.0269			
2	100	8.973	8.973	0.000	13836539	0.0272			
						RPD = 1.22			
6 alpha-Chlordane									
1	100	7.470	7.470	0.000	28007203	0.0274			
2	100	9.282	9.282	0.000	14193115	0.0272			
						RPD = 0.79			
14 Endosulfan I									
1	100	7.747	7.747	0.000	24099942	0.0266			
2	100	9.349	9.349	0.000	12147626	0.0265			
						RPD = 0.50			
2 4,4'-DDE									
1	100	7.850	7.850	0.000	28197295	0.0291			
2	100	9.729	9.729	0.000	14221133	0.0286			
						RPD = 1.68			
13 Dieldrin									
1	100	8.312	8.312	0.000	26587938	0.0266			
2	100	9.875	9.875	0.000	13322011	0.0266			
						RPD = 0.05			
17 Endrin									
1	100	8.771	8.771	0.000	23830064	0.0256			
2	100	10.398	10.398	0.000	11646269	0.0254			
						RPD = 0.95			
1 4,4'-DDD									
1	100	9.139	9.139	0.000	20607410	0.0276			
2	100	10.737	10.737	0.000	10062561	0.0289			
						RPD = 4.64			
15 Endosulfan II									
1	100	9.223	9.223	0.000	22770605	0.0271			
2	100	10.768	10.768	0.000	11650129	0.0273			
						RPD = 0.52			
3 4,4'-DDT									
1	100	9.665	9.665	0.000	18577243	0.0264			
2	100	11.218	11.218	0.000	8209323	0.0265			
						RPD = 0.33			
18 Endrin aldehyde									
1	100	10.030	10.030	0.000	16826453	0.0261			
2	100	11.335	11.335	0.000	8230525	0.0255			
						RPD = 2.55			
27 Methoxychlor									
1	100	10.631	10.631	0.000	10143995	0.0287			
2	100	12.300	12.300	0.000	4509501	0.0292			
						RPD = 1.94			

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

16 Endosulfan sulfate

1	100	10.762	10.762	0.000	21202989	0.0273			
2	100	11.752	11.752	0.000	10710037	0.0279			

RPD = 1.97

19 Endrin ketone

1	100	11.164	11.164	0.000	24624668	0.0274			
2	100	12.502	12.502	0.000	11964654	0.0278			

RPD = 1.52

\$ 10 DCB Decachlorobiphenyl

1	100	12.785	12.785	0.000	23542281	0.0285			
2	100	14.217	14.217	0.000	12256229	0.0284			

RPD = 0.31

Report Date: 25-Apr-2013 15:40:02

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP3\20130425-19246.b\P3042507.D

Injection Date: 25-Apr-2013 09:57:18

Limit Group: GC 8081 D0D ICAL

Client ID:

Instrument ID: A2HP3

Lims Batch ID: 83482

Lims Sample ID: 7

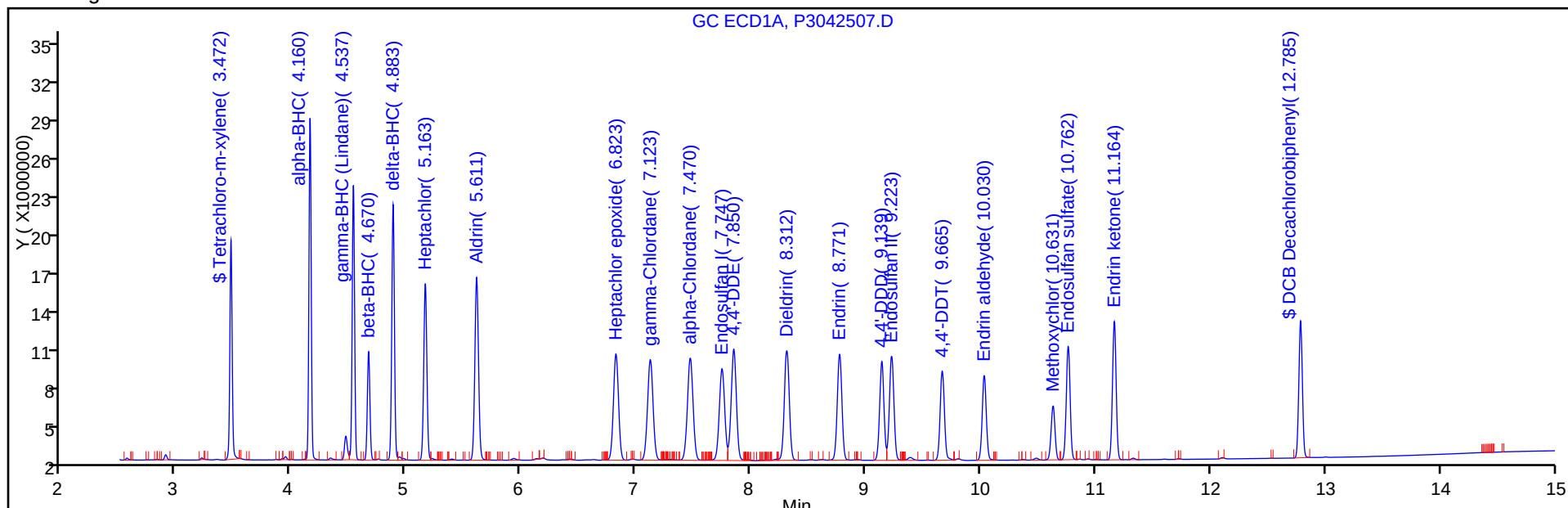
Operator ID: 402582

Injection Vol: 1.0 ul

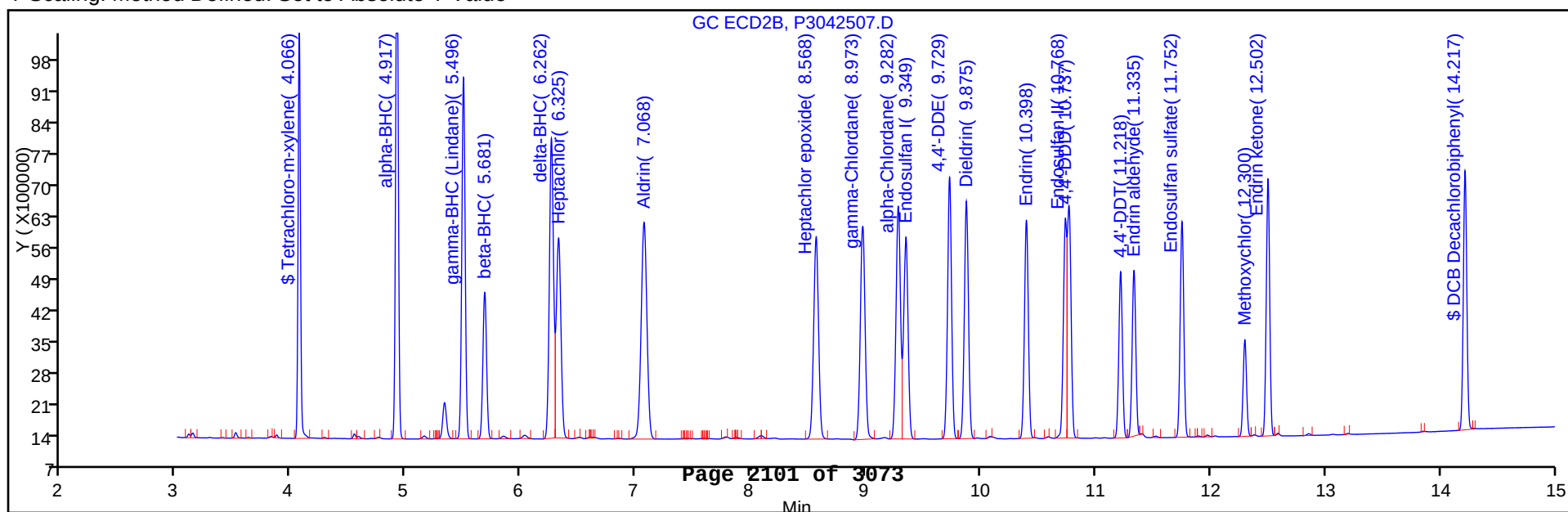
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22852-1
 SDG No.: _____
 Lab Sample ID: CCV 240-83482/12 Calibration Date: 04/25/2013 11:38
 Instrument ID: A2HP3 Calib Start Date: 04/22/2013 22:54
 GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 04/23/2013 00:35
 Lab File ID: P3042512.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	1359242943	1516212120		0.0279	0.0250	11.5	20.0
gamma-BHC (Lindane)	Ave	1208604110	1302101840		0.0269	0.0250	7.7	20.0
beta-BHC	Ave	519268069	548837200		0.0264	0.0250	5.7	20.0
delta-BHC	Ave	1224286313	1335435240		0.0273	0.0250	9.1	20.0
Heptachlor	Ave	1032014038	1090337880		0.0264	0.0250	5.7	20.0
Aldrin	Ave	1088122939	1293230560		0.0297	0.0250	18.8	20.0
Heptachlor epoxide	Ave	992844247	1081341520		0.0272	0.0250	8.9	20.0
gamma-Chlordane	Ave	998864799	1105662560		0.0277	0.0250	10.7	20.0
alpha-Chlordane	Ave	1023188492	1143865160		0.0279	0.0250	11.8	20.0
Endosulfan I	Ave	906422798	997757840		0.0275	0.0250	10.1	20.0
4,4'-DDE	Ave	968863059	1111836160		0.0287	0.0250	14.8	20.0
Dieldrin	Ave	998340371	1100219080		0.0276	0.0250	10.2	20.0
Endrin	Ave	929514238	941082480		0.0253	0.0250	1.2	20.0
4,4'-DDD	Ave	747950398	778226920		0.0260	0.0250	4.0	20.0
Endosulfan II	Ave	839808708	883916280		0.0263	0.0250	5.3	20.0
4,4'-DDT	Ave	703196613	729008760		0.0259	0.0250	3.7	20.0
Endrin aldehyde	Ave	644279437	636869040		0.0247	0.0250	-1.2	20.0
Methoxychlor	Ave	353664852	437199680		0.0309	0.0250	23.6*	20.0
Endosulfan sulfate	Ave	775754698	824076440		0.0266	0.0250	6.2	20.0
Endrin ketone	Ave	898237216	952911800		0.0265	0.0250	6.1	20.0
Tetrachloro-m-xylene	Ave	882328290	985020680		0.0279	0.0250	11.6	20.0
DCB Decachlorobiphenyl	Ave	827157224	921052480		0.0278	0.0250	11.4	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22852-1
 SDG No.: _____
 Lab Sample ID: CCV 240-83482/12 Calibration Date: 04/25/2013 11:38
 Instrument ID: A2HP3 Calib Start Date: 04/22/2013 22:54
 GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 04/23/2013 00:35
 Lab File ID: P3042512.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.16	4.13	4.19
gamma-BHC (Lindane)	4.54	4.51	4.57
beta-BHC	4.67	4.64	4.70
delta-BHC	4.88	4.85	4.91
Heptachlor	5.16	5.13	5.19
Aldrin	5.61	5.58	5.64
Heptachlor epoxide	6.82	6.79	6.85
gamma-Chlordane	7.12	7.09	7.15
alpha-Chlordane	7.47	7.44	7.50
Endosulfan I	7.75	7.72	7.78
4,4'-DDE	7.85	7.82	7.88
Dieldrin	8.31	8.28	8.34
Endrin	8.77	8.74	8.80
4,4'-DDD	9.14	9.11	9.17
Endosulfan II	9.22	9.19	9.25
4,4'-DDT	9.67	9.64	9.70
Endrin aldehyde	10.03	10.00	10.06
Methoxychlor	10.63	10.60	10.66
Endosulfan sulfate	10.76	10.73	10.79
Endrin ketone	11.16	11.13	11.19
Tetrachloro-m-xylene	3.47	3.44	3.50
DCB Decachlorobiphenyl	12.79	12.76	12.82

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP3\20130425-19246.b\P3042512.D
 Lims ID: CCV AB3 Client ID:
 Inject. Date: 25-Apr-2013 11:38:09 Dil. Factor: 1.0000
 Sample Type: CCVRT
 Sample ID: 240-0019246-012
 Misc. Info.:
 Operator: 402582 Instrument ID: A2HP3
 Injection Vol: 1.0 ul ALS Bottle#: 12
 Lims Batch ID: 83482 Lims Sample ID: 12
 Sublist: chrom-PEST3*sub7
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCCChrom\ChromData\A2HP3\20130425-19246.b\PEST3.m
 Last Update: 25-Apr-2013 15:40:10 Calib Date: 23-Apr-2013 17:41:50
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP3\20130423-19186.b\P3042315.D
 Limit Group: GC 8081 D0D ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK034

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

\$ 29 Tetrachloro-m-xylene

1	100	3.471	3.472	-0.001	24625517	0.0279			
2	100	4.066	4.066	0.000	13144997	0.0274			

RPD = 1.92

5 alpha-BHC

1	100	4.160	4.160	0.000	37905303	0.0279			
2	100	4.916	4.917	-0.001	19885863	0.0278			

RPD = 0.15

20 gamma-BHC (Lindane)

1	100	4.537	4.537	0.000	32552546	0.0269			
2	100	5.495	5.496	-0.001	17024454	0.0272			

RPD = 0.83

7 beta-BHC

1	100	4.670	4.670	0.000	13720930	0.0264			
2	100	5.680	5.681	-0.001	7486249	0.0269			

RPD = 1.65

11 delta-BHC

1	100	4.882	4.883	-0.001	33385881	0.0273			
2	100	6.260	6.262	-0.002	17415906	0.0268			

RPD = 1.62

22 Heptachlor

1	100	5.163	5.163	0.000	27258447	0.0264			
2	100	6.323	6.325	-0.002	13183262	0.0267			

RPD = 0.99

4 Aldrin

1	100	5.609	5.611	-0.002	32330764	0.0297			
2	100	7.068	7.068	0.000	17039113	0.0294			

RPD = 0.97

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.822	6.823	-0.001	27033538	0.0272			
2	100	8.566	8.568	-0.002	13991958	0.0272			
						RPD = 0.04			
21 gamma-Chlordane									
1	100	7.122	7.123	-0.001	27641564	0.0277			
2	100	8.973	8.973	0.000	14316594	0.0281			
						RPD = 1.68			
6 alpha-Chlordane									
1	100	7.469	7.470	-0.001	28596629	0.0279			
2	100	9.282	9.282	0.000	14550440	0.0278			
						RPD = 0.39			
14 Endosulfan I									
1	100	7.746	7.747	-0.001	24943946	0.0275			
2	100	9.346	9.349	-0.003	12746391	0.0278			
						RPD = 0.87			
2 4,4'-DDE									
1	100	7.849	7.850	-0.001	27795904	0.0287			
2	100	9.728	9.729	-0.001	14109894	0.0284			
						RPD = 1.03			
13 Dieldrin									
1	100	8.312	8.312	0.000	27505477	0.0276			
2	100	9.874	9.875	-0.001	13690228	0.0274			
						RPD = 0.72			
17 Endrin									
1	100	8.771	8.771	0.000	23527062	0.0253			
2	100	10.398	10.398	0.000	11620359	0.0253			
						RPD = 0.11			
1 4,4'-DDD									
1	100	9.138	9.139	-0.001	19455673	0.0260			
2	100	10.736	10.737	-0.001	9891255	0.0284			
						RPD = 8.67			
15 Endosulfan II									
1	100	9.223	9.223	0.000	22097907	0.0263			
2	100	10.768	10.768	0.000	11918382	0.0279			
						RPD = 5.79			
3 4,4'-DDT									
1	100	9.666	9.665	0.001	18225219	0.0259			
2	100	11.217	11.218	-0.001	8241874	0.0266			
						RPD = 2.64			
18 Endrin aldehyde									
1	100	10.030	10.030	0.000	15921726	0.0247			
2	100	11.334	11.335	-0.001	8160462	0.0252			
						RPD = 2.13			
27 Methoxychlor									
1	100	10.628	10.631	-0.003	10929992	0.0309			
2	100	12.300	12.300	0.000	4910621	0.0318			
						RPD = 2.99			

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

16 Endosulfan sulfate

1	100	10.762	10.762	0.000	20601911	0.0266			
2	100	11.753	11.752	0.001	10532990	0.0274			

RPD = 3.18

19 Endrin ketone

1	100	11.162	11.164	-0.002	23822795	0.0265			
2	100	12.501	12.502	-0.001	11751419	0.0273			

RPD = 3.03

\$ 10 DCB Decachlorobiphenyl

1	100	12.785	12.785	0.000	23026312	0.0278			
2	100	14.218	14.217	0.001	11792910	0.0273			

RPD = 1.94

Report Date: 25-Apr-2013 15:40:11

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP3\20130425-19246.b\P3042512.D

Injection Date: 25-Apr-2013 11:38:09

Limit Group: GC 8081 D0D ICAL

Client ID:

Instrument ID: A2HP3

Lims Batch ID: 83482

Lims Sample ID: 12

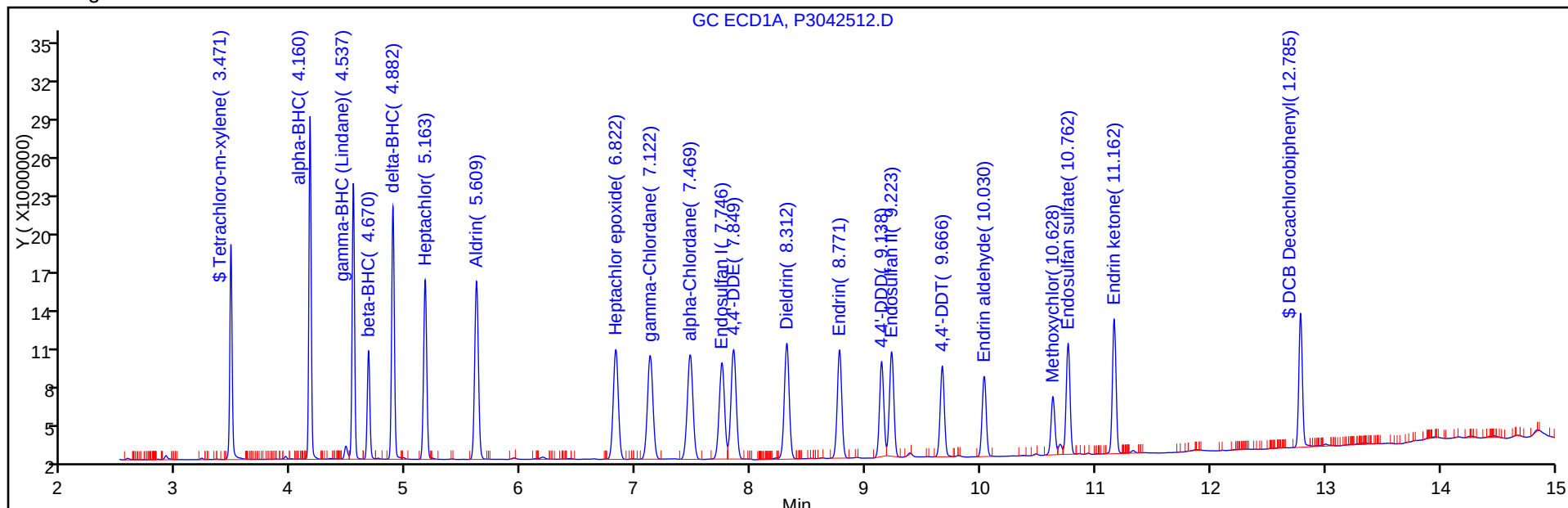
Operator ID: 402582

Injection Vol: 1.0 ul

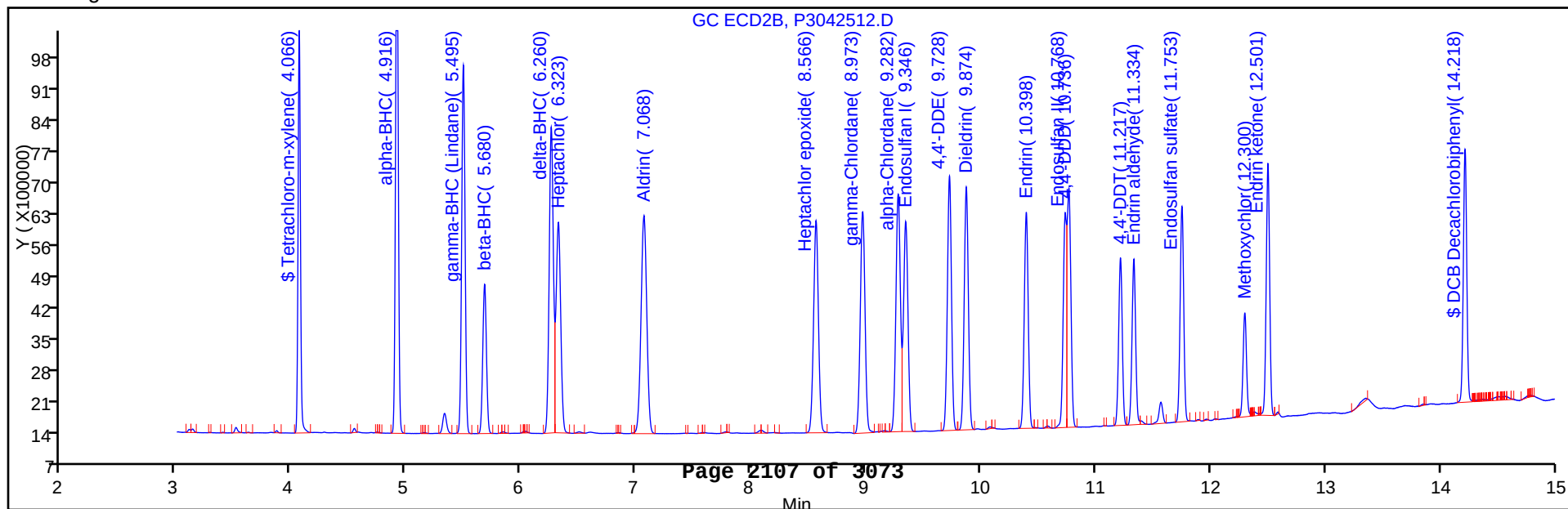
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22852-1
 SDG No.: _____
 Lab Sample ID: CCV 240-83482/12 Calibration Date: 04/25/2013 11:38
 Instrument ID: A2HP3 Calib Start Date: 04/22/2013 22:54
 GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 04/23/2013 00:35
 Lab File ID: P3042512.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	714126036	795434520		0.0278	0.0250	11.4	20.0
gamma-BHC (Lindane)	Ave	626844478	680978160		0.0272	0.0250	8.6	20.0
beta-BHC	Ave	278685187	299449960		0.0269	0.0250	7.5	20.0
delta-BHC	Ave	649094974	696636240		0.0268	0.0250	7.3	20.0
Heptachlor	Ave	494206075	527330480		0.0267	0.0250	6.7	20.0
Aldrin	Ave	579038535	681564520		0.0294	0.0250	17.7	20.0
Heptachlor epoxide	Ave	513668973	559678320		0.0272	0.0250	9.0	20.0
gamma-Chlordane	Ave	508733248	572663760		0.0281	0.0250	12.6	20.0
alpha-Chlordane	Ave	522623723	582017600		0.0278	0.0250	11.4	20.0
Endosulfan I	Ave	459163342	509855640		0.0278	0.0250	11.0	20.0
4,4'-DDE	Ave	496902560	564395760		0.0284	0.0250	13.6	20.0
Dieldrin	Ave	500474757	547609120		0.0274	0.0250	9.4	20.0
Endrin	Ave	458610093	464814360		0.0253	0.0250	1.4	20.0
4,4'-DDD	Ave	348673589	395650200		0.0284	0.0250	13.5	20.0
Endosulfan II	Ave	427445028	476735280		0.0279	0.0250	11.5	20.0
4,4'-DDT	Ave	309716187	329674960		0.0266	0.0250	6.4	20.0
Endrin aldehyde	Ave	323271966	326418480		0.0252	0.0250	1.0	20.0
Endosulfan sulfate	Ave	384218328	421319600		0.0274	0.0250	9.7	20.0
Methoxychlor	Ave	154205847	196424840		0.0318	0.0250	27.4*	20.0
Endrin ketone	Ave	429863795	470056760		0.0273	0.0250	9.4	20.0
Tetrachloro-m-xylene	Ave	480112544	525799880		0.0274	0.0250	9.5	20.0
DCB Decachlorobiphenyl	Ave	431941305	471716400		0.0273	0.0250	9.2	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22852-1
 SDG No.: _____
 Lab Sample ID: CCV 240-83482/12 Calibration Date: 04/25/2013 11:38
 Instrument ID: A2HP3 Calib Start Date: 04/22/2013 22:54
 GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 04/23/2013 00:35
 Lab File ID: P3042512.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.92	4.89	4.95
gamma-BHC (Lindane)	5.50	5.47	5.53
beta-BHC	5.68	5.65	5.71
delta-BHC	6.26	6.23	6.29
Heptachlor	6.32	6.30	6.36
Aldrin	7.07	7.04	7.10
Heptachlor epoxide	8.57	8.54	8.60
gamma-Chlordane	8.97	8.94	9.00
alpha-Chlordane	9.28	9.25	9.31
Endosulfan I	9.35	9.32	9.38
4,4'-DDE	9.73	9.70	9.76
Dieldrin	9.87	9.85	9.91
Endrin	10.40	10.37	10.43
4,4'-DDD	10.74	10.71	10.77
Endosulfan II	10.77	10.74	10.80
4,4'-DDT	11.22	11.19	11.25
Endrin aldehyde	11.33	11.31	11.37
Endosulfan sulfate	11.75	11.72	11.78
Methoxychlor	12.30	12.27	12.33
Endrin ketone	12.50	12.47	12.53
Tetrachloro-m-xylene	4.07	4.04	4.10
DCB Decachlorobiphenyl	14.22	14.19	14.25

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP3\20130425-19246.b\P3042512.D
 Lims ID: CCV AB3 Client ID:
 Inject. Date: 25-Apr-2013 11:38:09 Dil. Factor: 1.0000
 Sample Type: CCVRT
 Sample ID: 240-0019246-012
 Misc. Info.:
 Operator: 402582 Instrument ID: A2HP3
 Injection Vol: 1.0 ul ALS Bottle#: 12
 Lims Batch ID: 83482 Lims Sample ID: 12
 Sublist: chrom-PEST3*sub7
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCCChrom\ChromData\A2HP3\20130425-19246.b\PEST3.m
 Last Update: 25-Apr-2013 15:40:10 Calib Date: 23-Apr-2013 17:41:50
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP3\20130423-19186.b\P3042315.D
 Limit Group: GC 8081 D0D ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK034

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

\$ 29 Tetrachloro-m-xylene

1	100	3.471	3.472	-0.001	24625517	0.0279			
2	100	4.066	4.066	0.000	13144997	0.0274			

RPD = 1.92

5 alpha-BHC

1	100	4.160	4.160	0.000	37905303	0.0279			
2	100	4.916	4.917	-0.001	19885863	0.0278			

RPD = 0.15

20 gamma-BHC (Lindane)

1	100	4.537	4.537	0.000	32552546	0.0269			
2	100	5.495	5.496	-0.001	17024454	0.0272			

RPD = 0.83

7 beta-BHC

1	100	4.670	4.670	0.000	13720930	0.0264			
2	100	5.680	5.681	-0.001	7486249	0.0269			

RPD = 1.65

11 delta-BHC

1	100	4.882	4.883	-0.001	33385881	0.0273			
2	100	6.260	6.262	-0.002	17415906	0.0268			

RPD = 1.62

22 Heptachlor

1	100	5.163	5.163	0.000	27258447	0.0264			
2	100	6.323	6.325	-0.002	13183262	0.0267			

RPD = 0.99

4 Aldrin

1	100	5.609	5.611	-0.002	32330764	0.0297			
2	100	7.068	7.068	0.000	17039113	0.0294			

RPD = 0.97

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.822	6.823	-0.001	27033538	0.0272			
2	100	8.566	8.568	-0.002	13991958	0.0272			
						RPD = 0.04			
21 gamma-Chlordane									
1	100	7.122	7.123	-0.001	27641564	0.0277			
2	100	8.973	8.973	0.000	14316594	0.0281			
						RPD = 1.68			
6 alpha-Chlordane									
1	100	7.469	7.470	-0.001	28596629	0.0279			
2	100	9.282	9.282	0.000	14550440	0.0278			
						RPD = 0.39			
14 Endosulfan I									
1	100	7.746	7.747	-0.001	24943946	0.0275			
2	100	9.346	9.349	-0.003	12746391	0.0278			
						RPD = 0.87			
2 4,4'-DDE									
1	100	7.849	7.850	-0.001	27795904	0.0287			
2	100	9.728	9.729	-0.001	14109894	0.0284			
						RPD = 1.03			
13 Dieldrin									
1	100	8.312	8.312	0.000	27505477	0.0276			
2	100	9.874	9.875	-0.001	13690228	0.0274			
						RPD = 0.72			
17 Endrin									
1	100	8.771	8.771	0.000	23527062	0.0253			
2	100	10.398	10.398	0.000	11620359	0.0253			
						RPD = 0.11			
1 4,4'-DDD									
1	100	9.138	9.139	-0.001	19455673	0.0260			
2	100	10.736	10.737	-0.001	9891255	0.0284			
						RPD = 8.67			
15 Endosulfan II									
1	100	9.223	9.223	0.000	22097907	0.0263			
2	100	10.768	10.768	0.000	11918382	0.0279			
						RPD = 5.79			
3 4,4'-DDT									
1	100	9.666	9.665	0.001	18225219	0.0259			
2	100	11.217	11.218	-0.001	8241874	0.0266			
						RPD = 2.64			
18 Endrin aldehyde									
1	100	10.030	10.030	0.000	15921726	0.0247			
2	100	11.334	11.335	-0.001	8160462	0.0252			
						RPD = 2.13			
27 Methoxychlor									
1	100	10.628	10.631	-0.003	10929992	0.0309			
2	100	12.300	12.300	0.000	4910621	0.0318			
						RPD = 2.99			

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

16 Endosulfan sulfate

1	100	10.762	10.762	0.000	20601911	0.0266			
2	100	11.753	11.752	0.001	10532990	0.0274			

RPD = 3.18

19 Endrin ketone

1	100	11.162	11.164	-0.002	23822795	0.0265			
2	100	12.501	12.502	-0.001	11751419	0.0273			

RPD = 3.03

\$ 10 DCB Decachlorobiphenyl

1	100	12.785	12.785	0.000	23026312	0.0278			
2	100	14.218	14.217	0.001	11792910	0.0273			

RPD = 1.94

Report Date: 25-Apr-2013 15:40:11

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP3\20130425-19246.b\P3042512.D

Injection Date: 25-Apr-2013 11:38:09

Limit Group: GC 8081 D0D ICAL

Client ID:

Instrument ID: A2HP3

Lims Batch ID: 83482

Lims Sample ID: 12

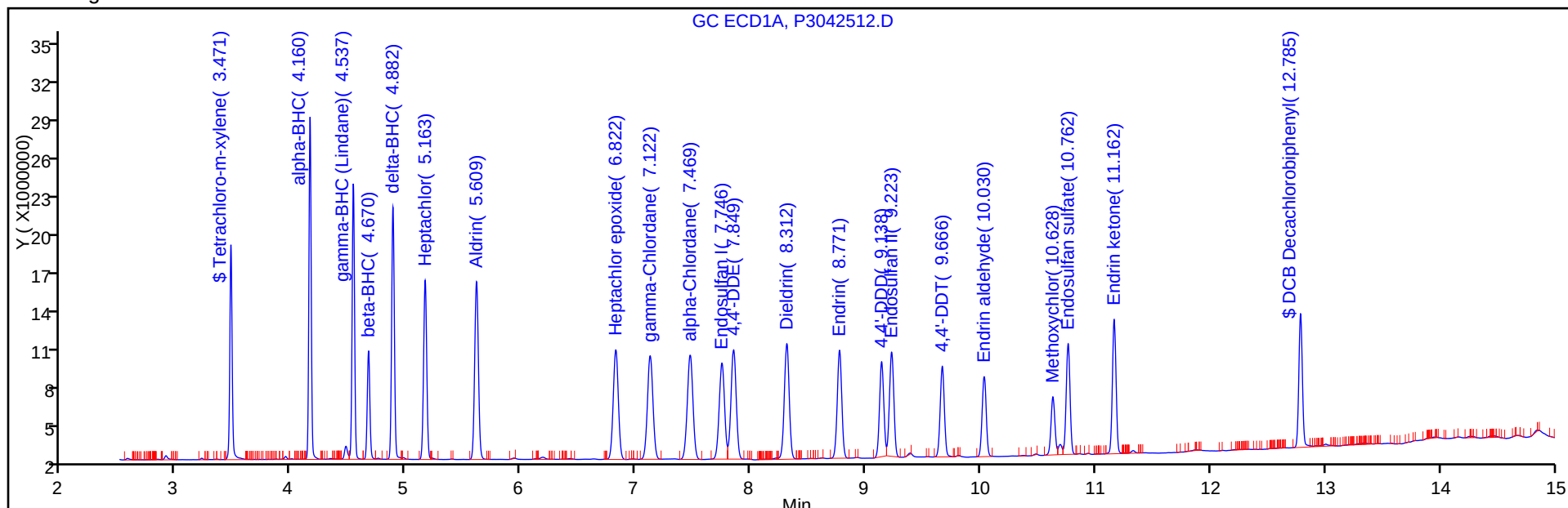
Operator ID: 402582

Injection Vol: 1.0 ul

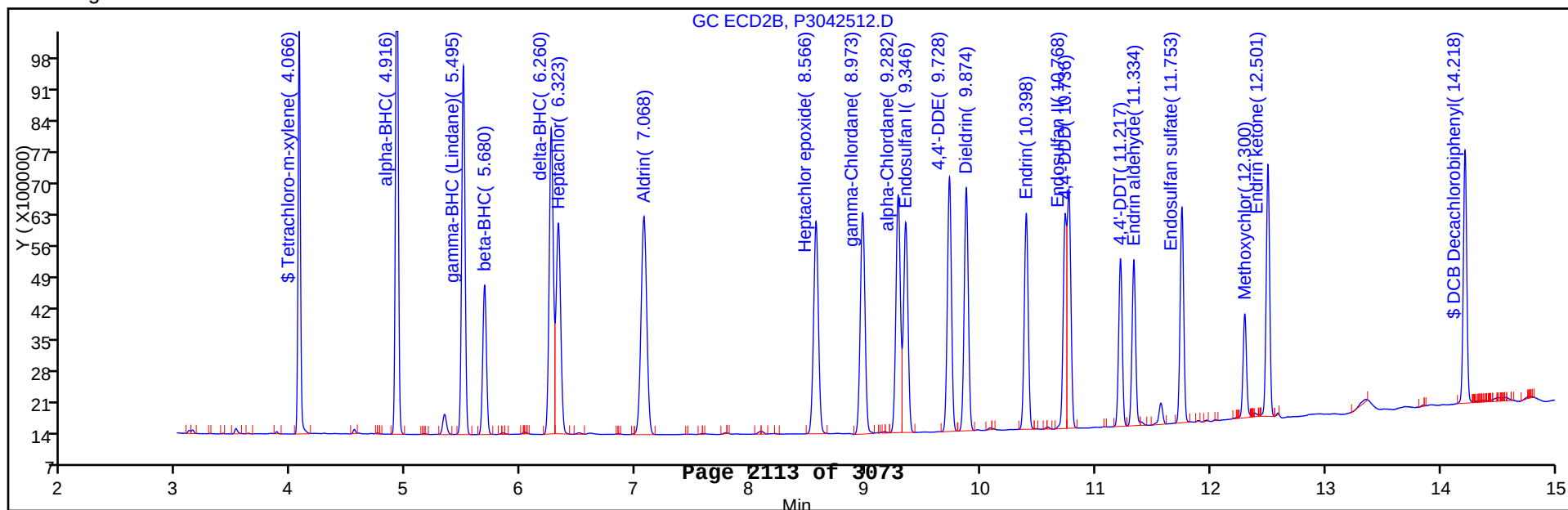
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22852-1
SDG No.: _____
Lab Sample ID: CCV 240-83482/21 Calibration Date: 04/25/2013 14:39
Instrument ID: A2HP3 Calib Start Date: 04/22/2013 18:52
GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 04/22/2013 20:13
Lab File ID: P3042521.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Ave	38294747	42462771		1.11	1.00	10.9	20.0
Toxaphene Peak 2	Ave	36690952	34617958		0.944	1.00	-5.6	20.0
Toxaphene Peak 3	Ave	28834208	23180752		0.804	1.00	-19.6	20.0
Toxaphene Peak 4	Ave	23017922	21110636		0.917	1.00	-8.3	20.0
Toxaphene Peak 5	Ave	18081479	12577149		0.696	1.00	-30.4 *	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22852-1
SDG No.: _____
Lab Sample ID: CCV 240-83482/21 Calibration Date: 04/25/2013 14:39
Instrument ID: A2HP3 Calib Start Date: 04/22/2013 18:52
GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 04/22/2013 20:13
Lab File ID: P3042521.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	10.22	10.19	10.25
Toxaphene Peak 2	10.56	10.53	10.59
Toxaphene Peak 3	10.72	10.69	10.75
Toxaphene Peak 4	11.14	11.11	11.17
Toxaphene Peak 5	11.41	11.38	11.44

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130425-19246.b\P3042521.D
 Lims ID: CCV TOX3 Client ID:
 Inject. Date: 25-Apr-2013 14:39:45 Dil. Factor: 1.0000
 Sample Type: CCV
 Sample ID: 240-0019246-021
 Misc. Info.:
 Operator: 402582 Instrument ID: A2HP3
 Injection Vol: 1.0 ul ALS Bottle#: 21
 Lims Batch ID: 83482 Lims Sample ID: 21
 Sublist: chrom-PEST3*sub5
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCChrom\ChromData\A2HP3\20130425-19246.b\PEST3.m
 Last Update: 26-Apr-2013 15:52:53 Calib Date: 23-Apr-2013 17:41:50
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCChrom\ChromData\A2HP3\20130423-19186.b\P3042315.D
 Limit Group: GC 8081 D0D ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK026

First Level Reviewer: shockr

Date: 25-Apr-2013 15:06:06

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	1	10.218	10.218	0.000	42462771	1.11		100.0	
1	2	10.564	10.564	0.000	34617958	0.9435	77.7- 117.7	81.5	
1	3	10.717	10.717	0.000	23180752	0.8039	57.0- 97.0	54.6	
1	4	11.135	11.135	0.000	21110636	0.9171	39.5- 79.5	49.7	
1	5	11.405	11.405	0.000	12577149	0.6956	26.4- 66.4	29.6	
Average of Peak Amounts =						0.8938			
2	100	10.321	10.321	0.000	15546103	1.04		100.0	M
2	2	10.915	10.915	0.000	19402833	1.06	102.8- 142.8	124.8	M
2	3	11.338	11.338	0.000	22071414	1.03	124.4- 164.4	142.0	M
2	4	12.079	12.079	0.000	27314080	1.14	139.5- 179.5	175.7	M
2	5	12.639	12.639	0.000	9446138	0.9800	45.4- 85.4	60.8	M
Average of Peak Amounts =						1.05			
						RPD = 15.95			

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 26-Apr-2013 15:52:53

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP3\20130425-19246.b\P3042521.D

Injection Date: 25-Apr-2013 14:39:45

Limit Group: GC 8081 D0D ICAL

Client ID:

Instrument ID: A2HP3

Lims Batch ID: 83482

Lims Sample ID: 21

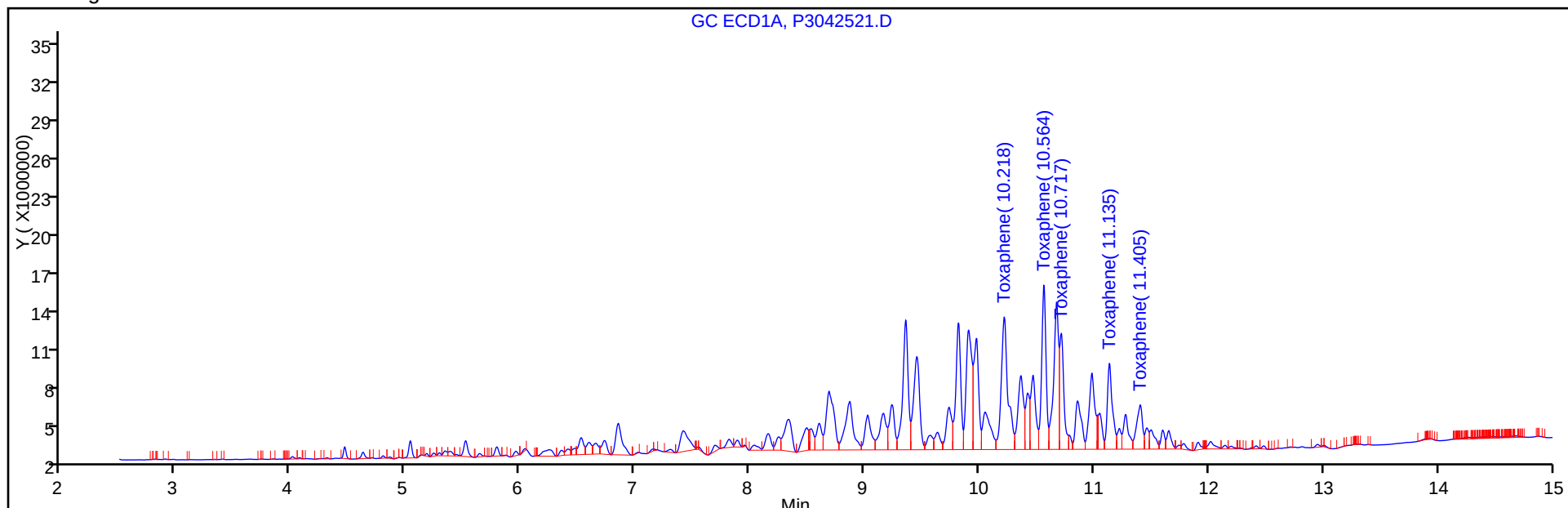
Operator ID: 402582

Injection Vol: 1.0 ul

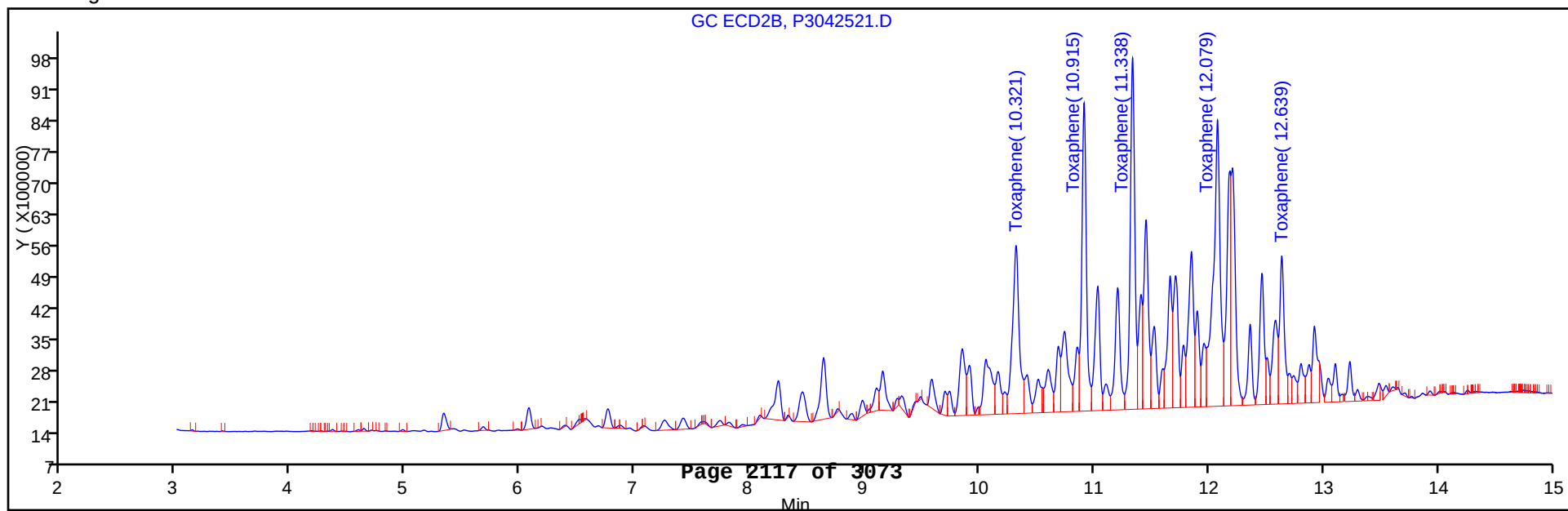
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22852-1
SDG No.: _____
Lab Sample ID: CCV 240-83482/21 Calibration Date: 04/25/2013 14:39
Instrument ID: A2HP3 Calib Start Date: 04/22/2013 18:52
GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 04/22/2013 20:13
Lab File ID: P3042521.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Ave	14975845	15546103		1.04	1.00	3.8	20.0
Toxaphene Peak 2	Ave	18337483	19402833		1.06	1.00	5.8	20.0
Toxaphene Peak 3	Ave	21437307	22071414		1.03	1.00	3.0	20.0
Toxaphene Peak 4	Ave	24002348	27314080		1.14	1.00	13.8	20.0
Toxaphene Peak 5	Ave	9638555	9446138		0.980	1.00	-2.0	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22852-1
SDG No.: _____
Lab Sample ID: CCV 240-83482/21 Calibration Date: 04/25/2013 14:39
Instrument ID: A2HP3 Calib Start Date: 04/22/2013 18:52
GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 04/22/2013 20:13
Lab File ID: P3042521.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	10.32	10.29	10.35
Toxaphene Peak 2	10.92	10.89	10.95
Toxaphene Peak 3	11.34	11.31	11.37
Toxaphene Peak 4	12.08	12.05	12.11
Toxaphene Peak 5	12.64	12.61	12.67

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP3\20130425-19246.b\P3042521.D
 Lims ID: CCV TOX3 Client ID:
 Inject. Date: 25-Apr-2013 14:39:45 Dil. Factor: 1.0000
 Sample Type: CCV
 Sample ID: 240-0019246-021
 Misc. Info.:
 Operator: 402582 Instrument ID: A2HP3
 Injection Vol: 1.0 ul ALS Bottle#: 21
 Lims Batch ID: 83482 Lims Sample ID: 21
 Sublist: chrom-PEST3*sub5
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCCChrom\ChromData\A2HP3\20130425-19246.b\PEST3.m
 Last Update: 26-Apr-2013 15:52:53 Calib Date: 23-Apr-2013 17:41:50
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP3\20130423-19186.b\P3042315.D
 Limit Group: GC 8081 D0D ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK026

First Level Reviewer: shockr

Date: 25-Apr-2013 15:06:06

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	1	10.218	10.218	0.000	42462771	1.11		100.0	
1	2	10.564	10.564	0.000	34617958	0.9435	77.7- 117.7	81.5	
1	3	10.717	10.717	0.000	23180752	0.8039	57.0- 97.0	54.6	
1	4	11.135	11.135	0.000	21110636	0.9171	39.5- 79.5	49.7	
1	5	11.405	11.405	0.000	12577149	0.6956	26.4- 66.4	29.6	
Average of Peak Amounts =						0.8938			
2	100	10.321	10.321	0.000	15546103	1.04		100.0	M
2	2	10.915	10.915	0.000	19402833	1.06	102.8- 142.8	124.8	M
2	3	11.338	11.338	0.000	22071414	1.03	124.4- 164.4	142.0	M
2	4	12.079	12.079	0.000	27314080	1.14	139.5- 179.5	175.7	M
2	5	12.639	12.639	0.000	9446138	0.9800	45.4- 85.4	60.8	M
Average of Peak Amounts =						1.05			
						RPD = 15.95			

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 26-Apr-2013 15:52:53

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP3\20130425-19246.b\P3042521.D

Injection Date: 25-Apr-2013 14:39:45

Limit Group: GC 8081 D0D ICAL

Client ID:

Instrument ID: A2HP3

Lims Batch ID: 83482

Lims Sample ID: 21

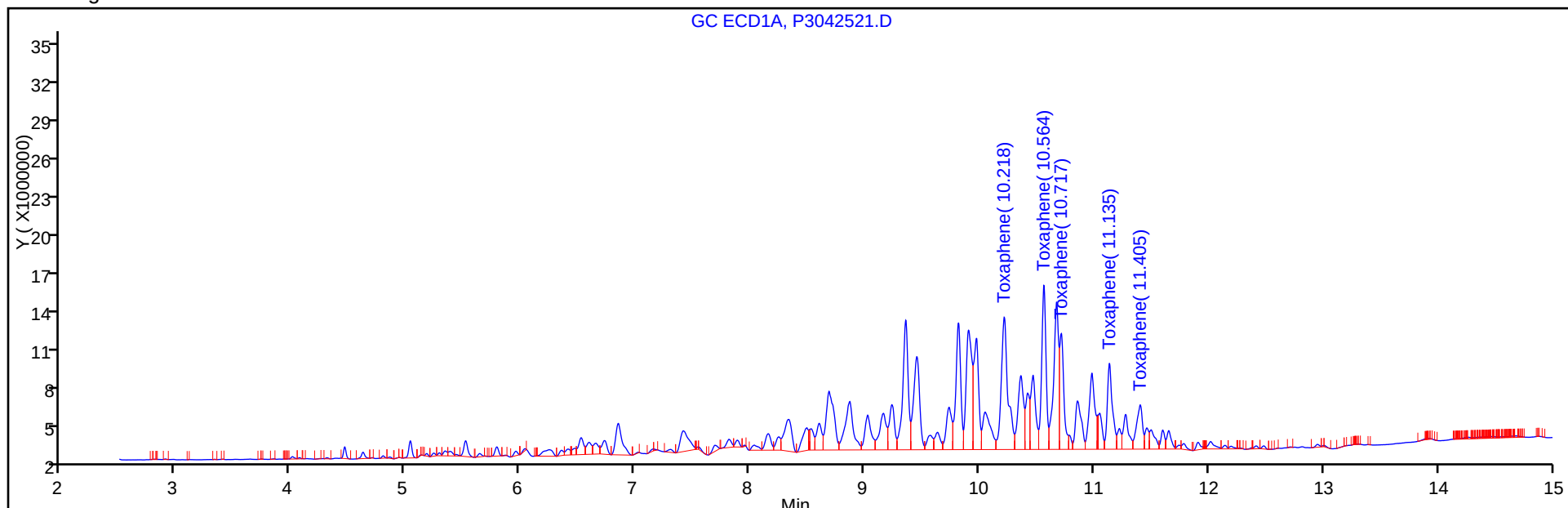
Operator ID: 402582

Injection Vol: 1.0 ul

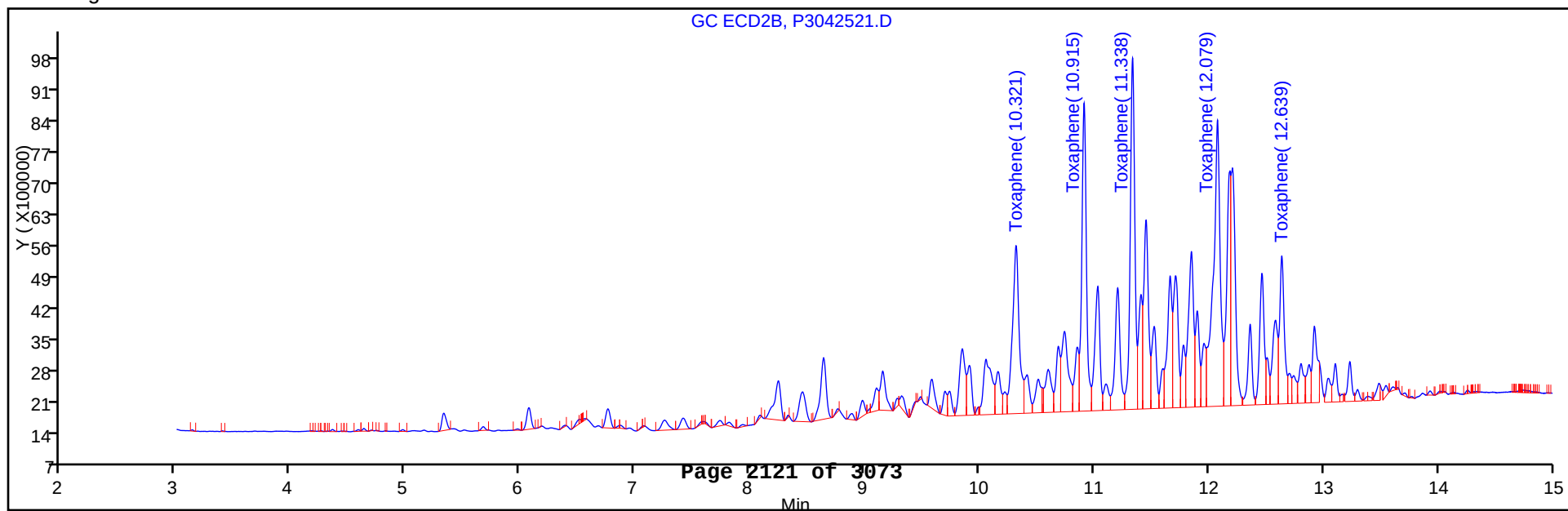
Column Type:

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\A2HP3\20130425-19246.b\P3042521.D

Injection Date: 25-Apr-2013 14:39:45

Limit Group: GC 8081 D0D ICAL

Client ID:

Instrument ID: A2HP3

Lims Batch ID: 83482

Lims Sample ID: 21

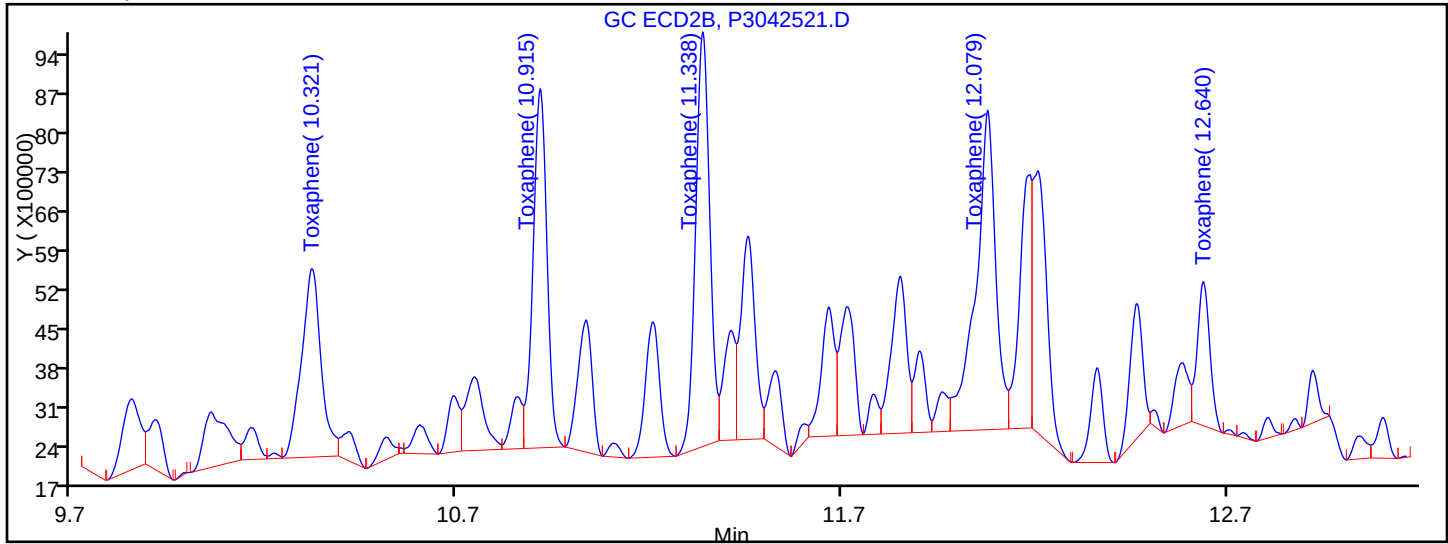
Operator ID: 402582

Injection Vol: 1.0 ul

Column Type:

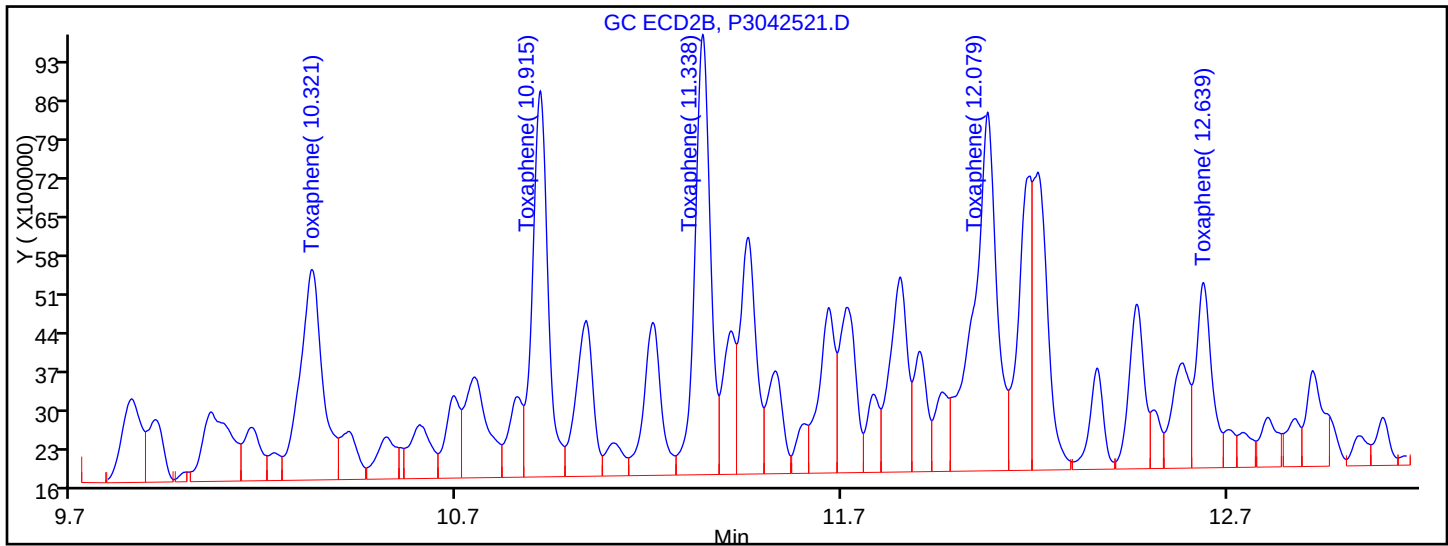
Column Dia:

30 Toxaphene, Detector: 2, GC ecd2b



Processing Integration Results

RT = 10.321	Response = 11887010	M
RT = 10.915	Response = 16007028	M
RT = 11.338	Response = 18875511	M
RT = 12.079	Response = 20629193	M
RT = 12.640	Response = 5839568	M



Manual Integration Results

RT = 10.321	Response = 15546103	M
RT = 10.915	Response = 19402833	M
RT = 11.338	Response = 22071414	M
RT = 12.079	Response = 27314080	M
RT = 12.639	Response = 9446138	M

Reviewer: shockr, 25-Apr-2013 15:06:06

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22852-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 240-81726/21-A
 Matrix: Solid Lab File ID: P3041914.D
 Analysis Method: 8081/DOD Date Collected: _____
 Extraction Method: 3540C Date Extracted: 04/12/2013 11:07
 Sample wt/vol: 30.00(g) Date Analyzed: 04/19/2013 15:17
 Con. Extract Vol.: 10(mL) Dilution Factor: 1
 Injection Volume: 1(uL) GC Column: CLP-1 ID: 0.53(mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 82685 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	4,4'-DDD	0.67	U	2.0	0.67	0.62
72-55-9	4,4'-DDE	0.67	U	1.7	0.67	0.39
50-29-3	4,4'-DDT	0.67	U	2.0	0.67	0.63
309-00-2	Aldrin	1.3	U	4.0	1.3	1.2
319-84-6	alpha-BHC	1.3	U	2.5	1.3	0.73
5103-71-9	alpha-Chlordane	1.3	U	3.0	1.3	0.94
319-85-7	beta-BHC	1.3	U	3.5	1.3	1.1
319-86-8	delta-BHC	1.3	U	4.0	1.3	1.2
60-57-1	Dieldrin	0.67	U	1.7	0.67	0.47
959-98-8	Endosulfan I	0.67	U	1.7	0.67	0.52
33213-65-9	Endosulfan II	1.3	U	2.5	1.3	0.82
1031-07-8	Endosulfan sulfate	1.3	U	3.0	1.3	0.87
72-20-8	Endrin	0.67	U	1.7	0.67	0.50
7421-93-4	Endrin aldehyde	1.3	U	3.0	1.3	1.0
53494-70-5	Endrin ketone	0.67	U	2.0	0.67	0.63
58-89-9	gamma-BHC (Lindane)	1.3	U	2.5	1.3	0.74
5103-74-2	gamma-Chlordane	0.67	U	1.7	0.67	0.42
76-44-8	Heptachlor	1.3	U	3.5	1.3	1.1
1024-57-3	Heptachlor epoxide	1.3	U	2.5	1.3	0.80
72-43-5	Methoxychlor	3.3	U	5.0	3.3	1.5
8001-35-2	Toxaphene	20	U	67	20	19

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	64		55-130
877-09-8	Tetrachloro-m-xylene	59	Q	70-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP3\20130419-19054.b\P3041914.D
 Lims ID: MB 240-81726/21-A Client ID:
 Inject. Date: 19-Apr-2013 15:17:17 Dil. Factor: 1.0000
 Sample Type: MB
 Sample ID: 240-0019054-014
 Misc. Info.:
 Operator: 402582 Instrument ID: A2HP3
 Injection Vol: 1.0 ul ALS Bottle#: 14
 Lims Batch ID: 82685 Lims Sample ID: 14
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCCChrom\ChromData\A2HP3\20130419-19054.b\PEST3.m
 Last Update: 20-Apr-2013 07:39:36 Calib Date: 16-Apr-2013 14:58:16
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP3\20130416-18914.b\P3041609.D
 Limit Group: GC 8081 D0D ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK028

First Level Reviewer: shockr

Date: 19-Apr-2013 16:50:05

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

\$ 29 Tetrachloro-m-xylene

1	100	3.477	3.490	-0.013	12929838	0.0118			
2	100	4.075	4.092	-0.017	6940422	0.0115			

RPD = 2.25

12 Diallate

1	100	3.751							
1	2	4.058							
2	100	4.331							
2	2	4.667							

24 Hexachlorobenzene

1	100	3.963							
2	100	4.709							

5 alpha-BHC

1	100	4.181							
2	100	4.949							

20 gamma-BHC (Lindane)

1	100	4.561							
2	100	5.533							

7 beta-BHC

1	100	4.695							
2	100	5.719							

11 delta-BHC

1	100	4.910							
2	100	6.304							

1

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
8 Chlordane (technical)									1
1	100		5.080						
1	2		5.939						
1	3		7.174						
1	4		7.517						
2	100		6.059						
2	2		7.630						
2	3		9.010						
2	4		9.316						
22 Heptachlor									
1	100		5.194						
2	100		6.366						
4 Aldrin									
1	100		5.644						
2	100		7.115						
25 Isodrin									1
1	100		6.228						
2	100		8.129						
23 Heptachlor epoxide									
1	100		6.870						
2	100		8.607						
21 gamma-Chlordane									1
1	100		7.172						
2	100		9.012						
6 alpha-Chlordane									
1	100		7.520						
2	100		9.322						
14 Endosulfan I									1
1	100		7.795						
2	100		9.388						
2 4,4'-DDE									
1	100		7.897						
2	100		9.766						
28 Mirex									
1	100		8.279						
2	100		9.197						
13 Dieldrin									1
1	100		8.357						
2	100		9.914						
17 Endrin									
1	100		8.816						
2	100		10.435						
26 Kepone									
1	100		8.885						
2	100		10.592						
1 4,4'-DDD									1
1	100		9.182						
2	100		10.775						

Data File: \\NCC\Chrom\ChromData\A2HP3\20130419-19054.b\P3041914.D

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

15 Endosulfan II

1	100	9.268
2	100	10.807

9 Chlorobenzilate

1	100	9.275
2	100	10.585

1

3 4,4'-DDT

1	100	9.706
2	100	11.256

1

18 Endrin aldehyde

1	100	10.070
2	100	11.374

30 Toxaphene

1	1	10.261
1	2	10.605
1	3	10.758
1	4	11.174
1	5	11.446
2	100	10.363
2	2	10.953
2	3	11.373
2	4	12.117
2	5	12.677

1

27 Methoxychlor

1	100	10.667
2	100	12.336

16 Endosulfan sulfate

1	100	10.800
2	100	11.791

19 Endrin ketone

1	100	11.201
2	100	12.539

\$ 10 DCB Decachlorobiphenyl

1	100	12.816	12.824	-0.008	12271058	0.0128
2	100	14.235	14.253	-0.018	6014759	0.0125

RPD = 2.11

QC Flag Legend

Processing Flags

1 - Missing Peaks

Report Date: 20-Apr-2013 07:39:40

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP3\20130419-19054.b\P3041914.D

Injection Date: 19-Apr-2013 15:17:17

Limit Group: GC 8081 D0D ICAL

Client ID:

Instrument ID: A2HP3

Lims Batch ID: 82685

Lims Sample ID: 14

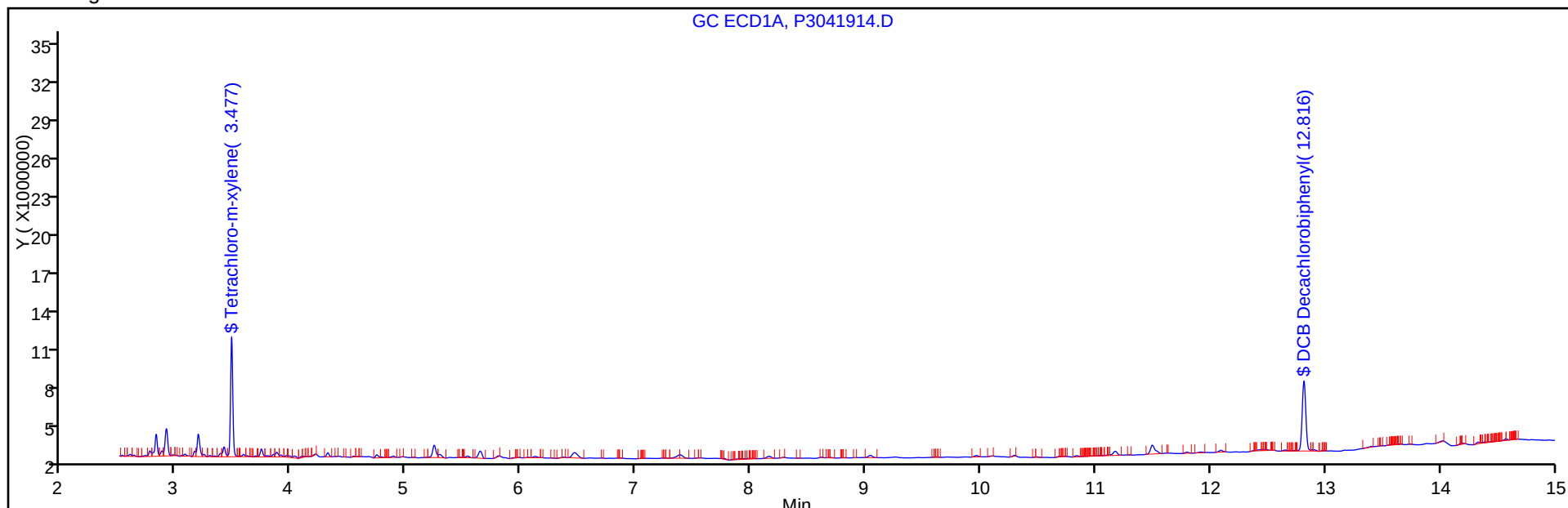
Operator ID: 402582

Injection Vol: 1.0 ul

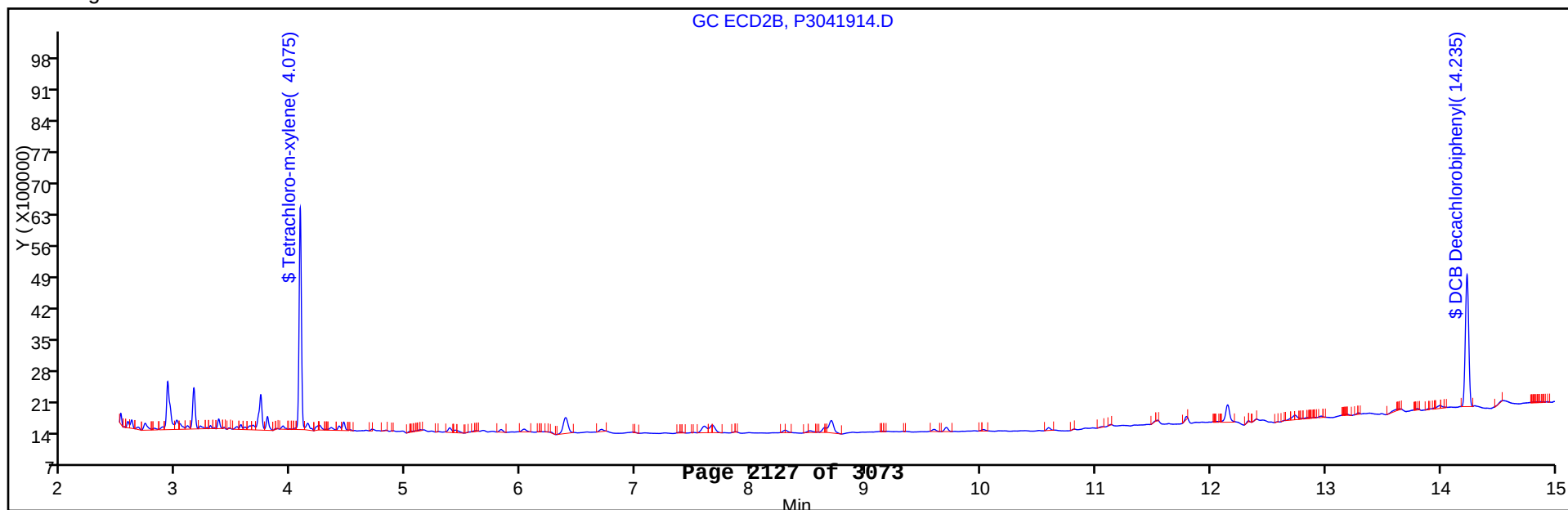
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22852-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 240-81726/21-A
Matrix: Solid Lab File ID: P3041914.D
Analysis Method: 8081/DOD Date Collected: _____
Extraction Method: 3540C Date Extracted: 04/12/2013 11:07
Sample wt/vol: 30.00(g) Date Analyzed: 04/19/2013 15:17
Con. Extract Vol.: 10(mL) Dilution Factor: 1
Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 82685 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	63		55-130
877-09-8	Tetrachloro-m-xylene	57	Q	70-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP3\20130419-19054.b\P3041914.D
 Lims ID: MB 240-81726/21-A Client ID:
 Inject. Date: 19-Apr-2013 15:17:17 Dil. Factor: 1.0000
 Sample Type: MB
 Sample ID: 240-0019054-014
 Misc. Info.:
 Operator: 402582 Instrument ID: A2HP3
 Injection Vol: 1.0 ul ALS Bottle#: 14
 Lims Batch ID: 82685 Lims Sample ID: 14
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCCChrom\ChromData\A2HP3\20130419-19054.b\PEST3.m
 Last Update: 20-Apr-2013 07:39:36 Calib Date: 16-Apr-2013 14:58:16
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP3\20130416-18914.b\P3041609.D
 Limit Group: GC 8081 D0D ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK028

First Level Reviewer: shockr

Date: 19-Apr-2013 16:50:05

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

\$ 29 Tetrachloro-m-xylene

1	100	3.477	3.490	-0.013	12929838	0.0118			
2	100	4.075	4.092	-0.017	6940422	0.0115			

RPD = 2.25

12 Diallate

1	100	3.751							
1	2	4.058							
2	100	4.331							
2	2	4.667							

24 Hexachlorobenzene

1	100	3.963							
2	100	4.709							

5 alpha-BHC

1	100	4.181							
2	100	4.949							

20 gamma-BHC (Lindane)

1	100	4.561							
2	100	5.533							

7 beta-BHC

1	100	4.695							
2	100	5.719							

11 delta-BHC

1	100	4.910							
2	100	6.304							

1

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
8 Chlordane (technical)									1
1	100		5.080						
1	2		5.939						
1	3		7.174						
1	4		7.517						
2	100		6.059						
2	2		7.630						
2	3		9.010						
2	4		9.316						
22 Heptachlor									
1	100		5.194						
2	100		6.366						
4 Aldrin									
1	100		5.644						
2	100		7.115						
25 Isodrin									1
1	100		6.228						
2	100		8.129						
23 Heptachlor epoxide									
1	100		6.870						
2	100		8.607						
21 gamma-Chlordane									1
1	100		7.172						
2	100		9.012						
6 alpha-Chlordane									
1	100		7.520						
2	100		9.322						
14 Endosulfan I									1
1	100		7.795						
2	100		9.388						
2 4,4'-DDE									
1	100		7.897						
2	100		9.766						
28 Mirex									
1	100		8.279						
2	100		9.197						
13 Dieldrin									1
1	100		8.357						
2	100		9.914						
17 Endrin									
1	100		8.816						
2	100		10.435						
26 Kepone									
1	100		8.885						
2	100		10.592						
1 4,4'-DDD									1
1	100		9.182						
2	100		10.775						

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

15 Endosulfan II

1	100	9.268
2	100	10.807

9 Chlorobenzilate

1	100	9.275
2	100	10.585

3 4,4'-DDT

1	100	9.706
2	100	11.256

18 Endrin aldehyde

1	100	10.070
2	100	11.374

30 Toxaphene

1	1	10.261
1	2	10.605
1	3	10.758
1	4	11.174
1	5	11.446
2	100	10.363
2	2	10.953
2	3	11.373
2	4	12.117
2	5	12.677

27 Methoxychlor

1	100	10.667
2	100	12.336

16 Endosulfan sulfate

1	100	10.800
2	100	11.791

19 Endrin ketone

1	100	11.201
2	100	12.539

\$ 10 DCB Decachlorobiphenyl

1	100	12.816	12.824	-0.008	12271058	0.0128
2	100	14.235	14.253	-0.018	6014759	0.0125

RPD = 2.11

QC Flag Legend

Processing Flags

1 - Missing Peaks

Report Date: 20-Apr-2013 07:39:40

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP3\20130419-19054.b\P3041914.D

Injection Date: 19-Apr-2013 15:17:17

Limit Group: GC 8081 D0D ICAL

Client ID:

Instrument ID: A2HP3

Lims Batch ID: 82685

Lims Sample ID: 14

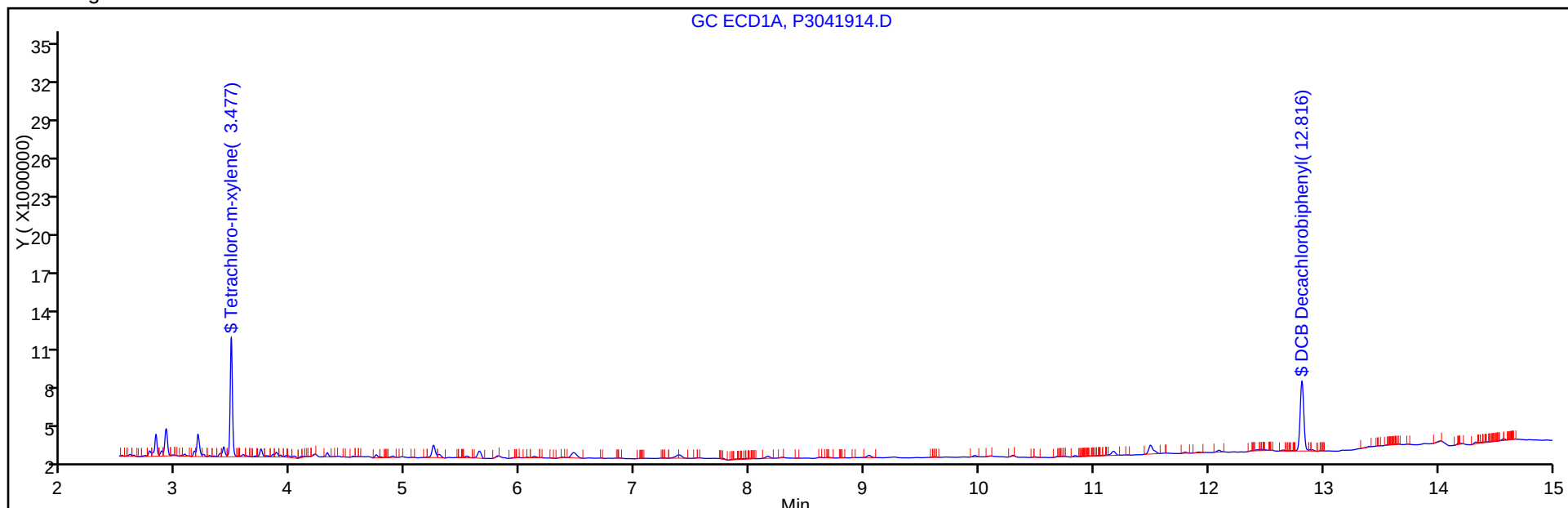
Operator ID: 402582

Injection Vol: 1.0 ul

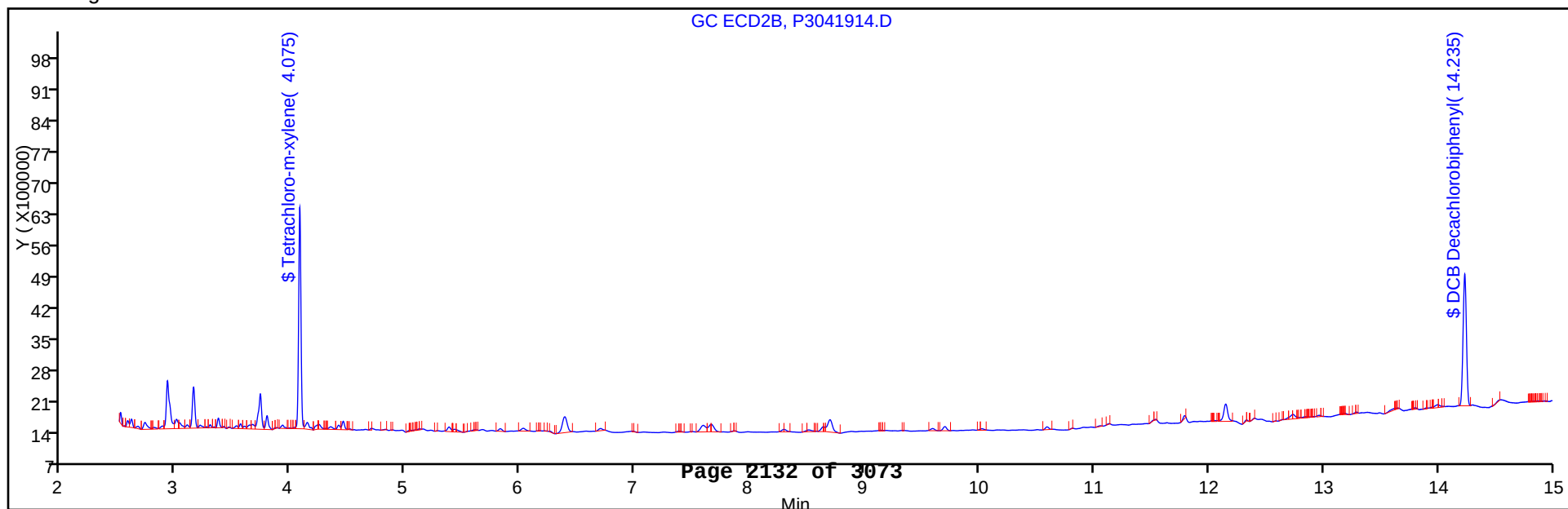
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22852-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 240-83135/18-A
 Matrix: Solid Lab File ID: P3042436.D
 Analysis Method: 8081/DOD Date Collected: _____
 Extraction Method: 3540C Date Extracted: 04/23/2013 08:54
 Sample wt/vol: 30.00(g) Date Analyzed: 04/24/2013 21:54
 Con. Extract Vol.: 10(mL) Dilution Factor: 1
 Injection Volume: 1(uL) GC Column: CLP-1 ID: 0.53(mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 83400 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	4,4'-DDD	0.67	U	2.0	0.67	0.62
72-55-9	4,4'-DDE	0.67	U	1.7	0.67	0.39
50-29-3	4,4'-DDT	0.67	U	2.0	0.67	0.63
309-00-2	Aldrin	1.3	U	4.0	1.3	1.2
319-84-6	alpha-BHC	1.3	U	2.5	1.3	0.73
5103-71-9	alpha-Chlordane	1.3	U	3.0	1.3	0.94
319-85-7	beta-BHC	1.3	U	3.5	1.3	1.1
319-86-8	delta-BHC	1.3	U	4.0	1.3	1.2
60-57-1	Dieldrin	0.67	U	1.7	0.67	0.47
959-98-8	Endosulfan I	0.67	U	1.7	0.67	0.52
33213-65-9	Endosulfan II	1.3	U	2.5	1.3	0.82
1031-07-8	Endosulfan sulfate	1.3	U	3.0	1.3	0.87
72-20-8	Endrin	0.67	U	1.7	0.67	0.50
7421-93-4	Endrin aldehyde	1.3	U	3.0	1.3	1.0
53494-70-5	Endrin ketone	0.67	U	2.0	0.67	0.63
58-89-9	gamma-BHC (Lindane)	1.3	U	2.5	1.3	0.74
5103-74-2	gamma-Chlordane	0.67	U	1.7	0.67	0.42
76-44-8	Heptachlor	1.3	U	3.5	1.3	1.1
1024-57-3	Heptachlor epoxide	1.3	U	2.5	1.3	0.80
72-43-5	Methoxychlor	3.3	U	5.0	3.3	1.5
8001-35-2	Toxaphene	20	U	67	20	19

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	91		55-130
877-09-8	Tetrachloro-m-xylene	119		70-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP3\20130424-19209.b\P3042436.D
 Lims ID: MB 240-83135/18-A Client ID:
 Inject. Date: 24-Apr-2013 21:54:41 Dil. Factor: 1.0000
 Sample Type: MB
 Sample ID: 240-0019209-036
 Misc. Info.:
 Operator: 402582 Instrument ID: A2HP3
 Injection Vol: 1.0 ul ALS Bottle#: 36
 Lims Batch ID: 83400 Lims Sample ID: 36
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCCChrom\ChromData\A2HP3\20130424-19209.b\PEST3.m
 Last Update: 25-Apr-2013 07:51:26 Calib Date: 23-Apr-2013 17:41:50
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP3\20130423-19186.b\P3042315.D
 Limit Group: GC 8081 D0D ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK034

First Level Reviewer: shockr

Date: 25-Apr-2013 07:23:49

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

\$ 29 Tetrachloro-m-xylene

1	100	3.471	3.471	0.000	20971477	0.0238			
2	100	4.068	4.064	0.004	16613166	0.0346			

RPD = 37.12

12 Diallate

1	100		3.734						
1	2		4.041						
2	100		4.309						
2	2		4.644						

24 Hexachlorobenzene

1	100		3.944						
2	100		4.681						

5 alpha-BHC

1	100		4.159						
2	100		4.915						

20 gamma-BHC (Lindane)

1	100		4.537						
2	100		5.494						

7 beta-BHC

1	100		4.669						
2	100		5.679						

11 delta-BHC

1	100		4.882						
2	100		6.259						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
8 Chlordane (technical)									1
1	100		5.049						
1	2		5.898						
1	3		7.121						
1	4		7.462						
2	100		6.017						
2	2		7.584						
2	3		8.968						
2	4		9.279						
22 Heptachlor									
1	100		5.163						
2	100		6.322						
4 Aldrin									
1	100		5.609						
2	100		7.064						
25 Isodrin									
1	100		6.191						
2	100		8.092						
23 Heptachlor epoxide									
1	100		6.822						
2	100		8.565						
21 gamma-Chlordane									
1	100		7.121						
2	100		8.970						
6 alpha-Chlordane									
1	100		7.470						
2	100		9.280						
14 Endosulfan I									1
1	100		7.746						
2	100		9.346						
2 4,4'-DDE									
1	100		7.850						
2	100		9.727						
28 Mirex									
1	100	8.303	8.279	0.024	12980	0			
2	100	9.190	9.197	-0.007	9841	0			
									RPD = 0.00
13 Dieldrin									
1	100		8.310						
2	100		9.874						
17 Endrin									
1	100		8.771						
2	100		10.396						
26 Kepone									1
1	100		8.847						
2	100		10.561						
1 4,4'-DDD									1
1	100		9.139						
2	100		10.736						

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

15 Endosulfan II

1	100	9.225
2	100	10.766

9 Chlorobenzilate

1	100	9.243
2	100	10.562

3 4,4'-DDT

1	100	9.668
2	100	11.217

1

18 Endrin aldehyde

1	100	10.030
2	100	11.333

30 Toxaphene

1	1	10.218
1	2	10.565
1	3	10.717
1	4	11.134
1	5	11.404
2	100	10.320
2	2	10.915
2	3	11.336
2	4	12.077
2	5	12.638

1

27 Methoxychlor

1	100	10.630
2	100	12.299

16 Endosulfan sulfate

1	100	10.763
2	100	11.752

19 Endrin ketone

1	100	11.165
2	100	12.501

\$ 10 DCB Decachlorobiphenyl

1	100	12.786	12.787	-0.001	15091941	0.0182
2	100	14.215	14.217	-0.002	7982577	0.0185

RPD = 1.28

QC Flag Legend

Processing Flags

1 - Missing Peaks

Report Date: 25-Apr-2013 07:51:28

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCCchrom\ChromData\A2HP3\20130424-19209.b\IP3042436.D

Injection Date: 24-Apr-2013 21:54:41

Limit Group: GC 8081 D0D ICAL

Client ID:

Instrument ID: A2HP3

Lims Batch ID: 83400

Lims Sample ID: 36

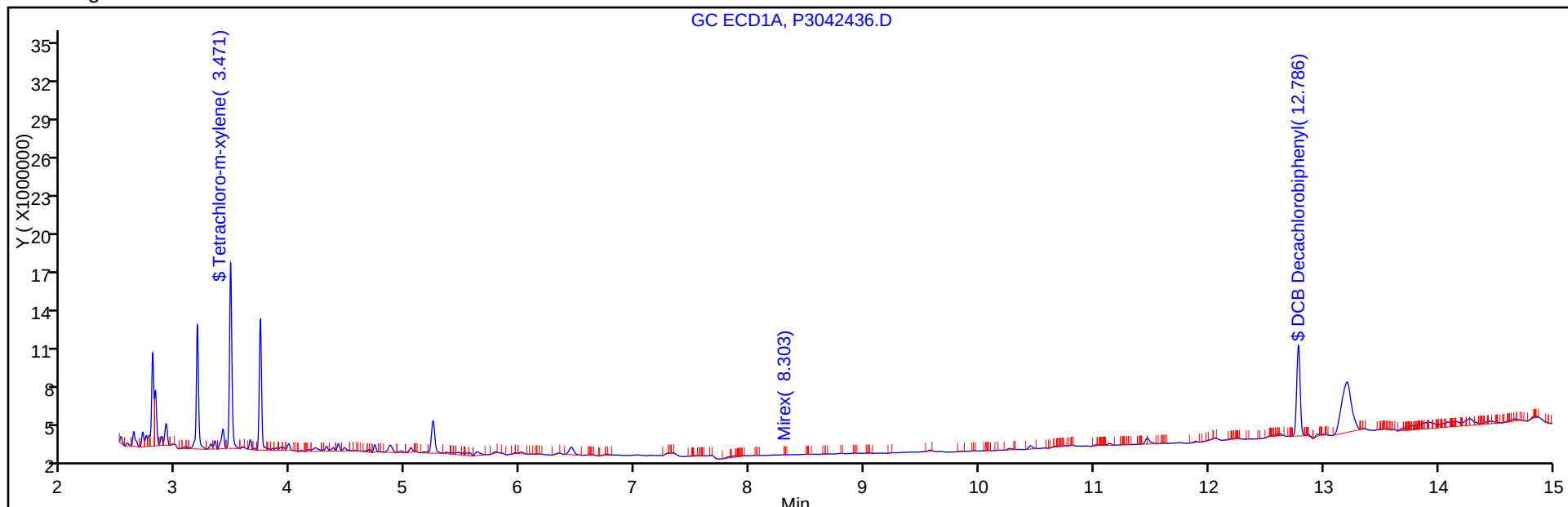
Operator ID: 402582

Injection Vol: 1.0 ul

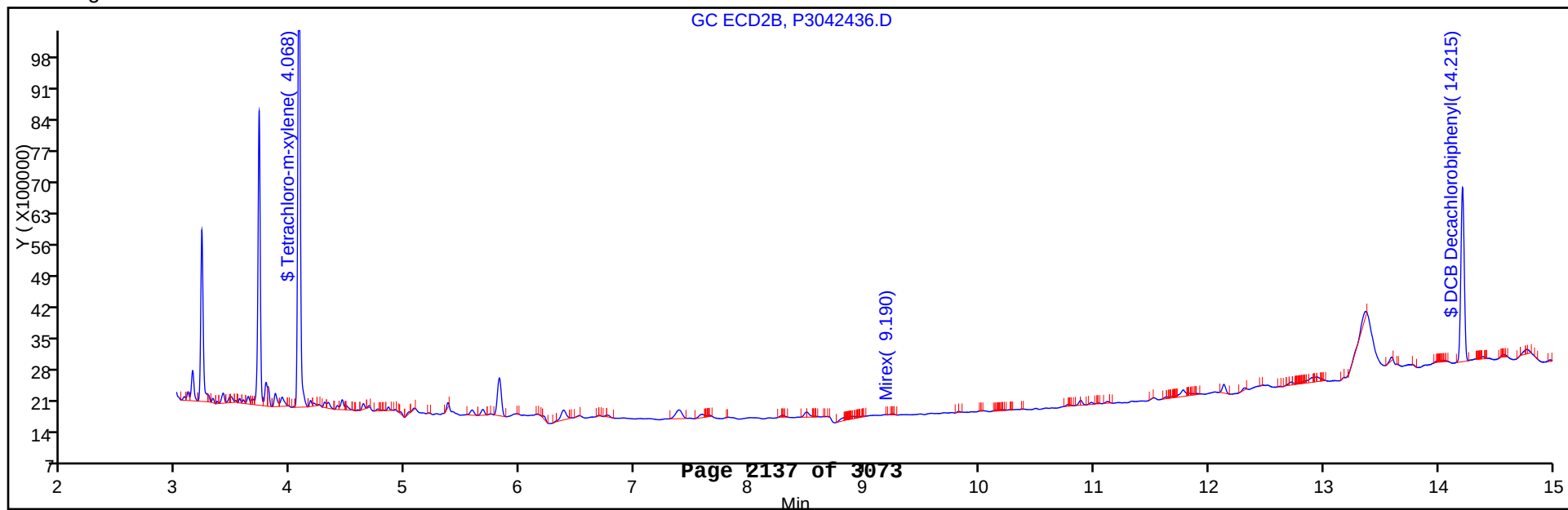
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22852-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 240-83135/18-A
Matrix: Solid Lab File ID: P3042436.D
Analysis Method: 8081/DOD Date Collected: _____
Extraction Method: 3540C Date Extracted: 04/23/2013 08:54
Sample wt/vol: 30.00(g) Date Analyzed: 04/24/2013 21:54
Con. Extract Vol.: 10(mL) Dilution Factor: 1
Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 83400 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	92		55-130
877-09-8	Tetrachloro-m-xylene	173	Q	70-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP3\20130424-19209.b\P3042436.D
 Lims ID: MB 240-83135/18-A Client ID:
 Inject. Date: 24-Apr-2013 21:54:41 Dil. Factor: 1.0000
 Sample Type: MB
 Sample ID: 240-0019209-036
 Misc. Info.:
 Operator: 402582 Instrument ID: A2HP3
 Injection Vol: 1.0 ul ALS Bottle#: 36
 Lims Batch ID: 83400 Lims Sample ID: 36
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCCChrom\ChromData\A2HP3\20130424-19209.b\PEST3.m
 Last Update: 25-Apr-2013 07:51:26 Calib Date: 23-Apr-2013 17:41:50
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP3\20130423-19186.b\P3042315.D
 Limit Group: GC 8081 D0D ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK034

First Level Reviewer: shockr

Date: 25-Apr-2013 07:23:49

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

\$ 29 Tetrachloro-m-xylene

1	100	3.471	3.471	0.000	20971477	0.0238			
2	100	4.068	4.064	0.004	16613166	0.0346			

RPD = 37.12

12 Diallate

1	100	3.734							
1	2	4.041							
2	100	4.309							
2	2	4.644							

24 Hexachlorobenzene

1	100	3.944							
2	100	4.681							

5 alpha-BHC

1	100	4.159							
2	100	4.915							

20 gamma-BHC (Lindane)

1	100	4.537							
2	100	5.494							

7 beta-BHC

1	100	4.669							
2	100	5.679							

11 delta-BHC

1	100	4.882							
2	100	6.259							

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
8 Chlordane (technical)									1
1	100		5.049						
1	2		5.898						
1	3		7.121						
1	4		7.462						
2	100		6.017						
2	2		7.584						
2	3		8.968						
2	4		9.279						
22 Heptachlor									
1	100		5.163						
2	100		6.322						
4 Aldrin									
1	100		5.609						
2	100		7.064						
25 Isodrin									
1	100		6.191						
2	100		8.092						
23 Heptachlor epoxide									
1	100		6.822						
2	100		8.565						
21 gamma-Chlordane									
1	100		7.121						
2	100		8.970						
6 alpha-Chlordane									
1	100		7.470						
2	100		9.280						
14 Endosulfan I									1
1	100		7.746						
2	100		9.346						
2 4,4'-DDE									
1	100		7.850						
2	100		9.727						
28 Mirex									
1	100	8.303	8.279	0.024	12980	0			
2	100	9.190	9.197	-0.007	9841	0			
									RPD = 0.00
13 Dieldrin									
1	100		8.310						
2	100		9.874						
17 Endrin									
1	100		8.771						
2	100		10.396						
26 Kepone									1
1	100		8.847						
2	100		10.561						
1 4,4'-DDD									1
1	100		9.139						
2	100		10.736						

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

15 Endosulfan II

1	100	9.225
2	100	10.766

9 Chlorobenzilate

1	100	9.243
2	100	10.562

3 4,4'-DDT

1	100	9.668
2	100	11.217

1

18 Endrin aldehyde

1	100	10.030
2	100	11.333

30 Toxaphene

1	1	10.218
1	2	10.565
1	3	10.717
1	4	11.134
1	5	11.404
2	100	10.320
2	2	10.915
2	3	11.336
2	4	12.077
2	5	12.638

1

27 Methoxychlor

1	100	10.630
2	100	12.299

16 Endosulfan sulfate

1	100	10.763
2	100	11.752

19 Endrin ketone

1	100	11.165
2	100	12.501

\$ 10 DCB Decachlorobiphenyl

1	100	12.786	12.787	-0.001	15091941	0.0182
2	100	14.215	14.217	-0.002	7982577	0.0185

RPD = 1.28

QC Flag Legend

Processing Flags

1 - Missing Peaks

Report Date: 25-Apr-2013 07:51:28

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP3\20130424-19209.b\P3042436.D

Injection Date: 24-Apr-2013 21:54:41

Limit Group: GC 8081 D0D ICAL

Client ID:

Instrument ID: A2HP3

Lims Batch ID: 83400

Lims Sample ID: 36

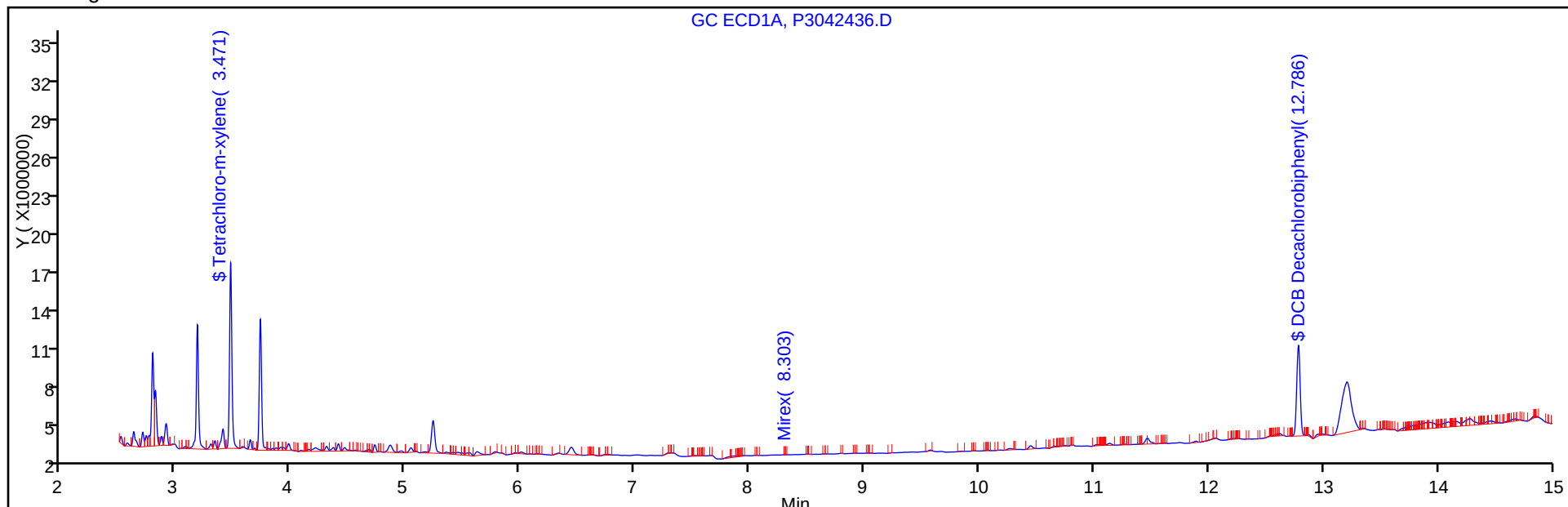
Operator ID: 402582

Injection Vol: 1.0 ul

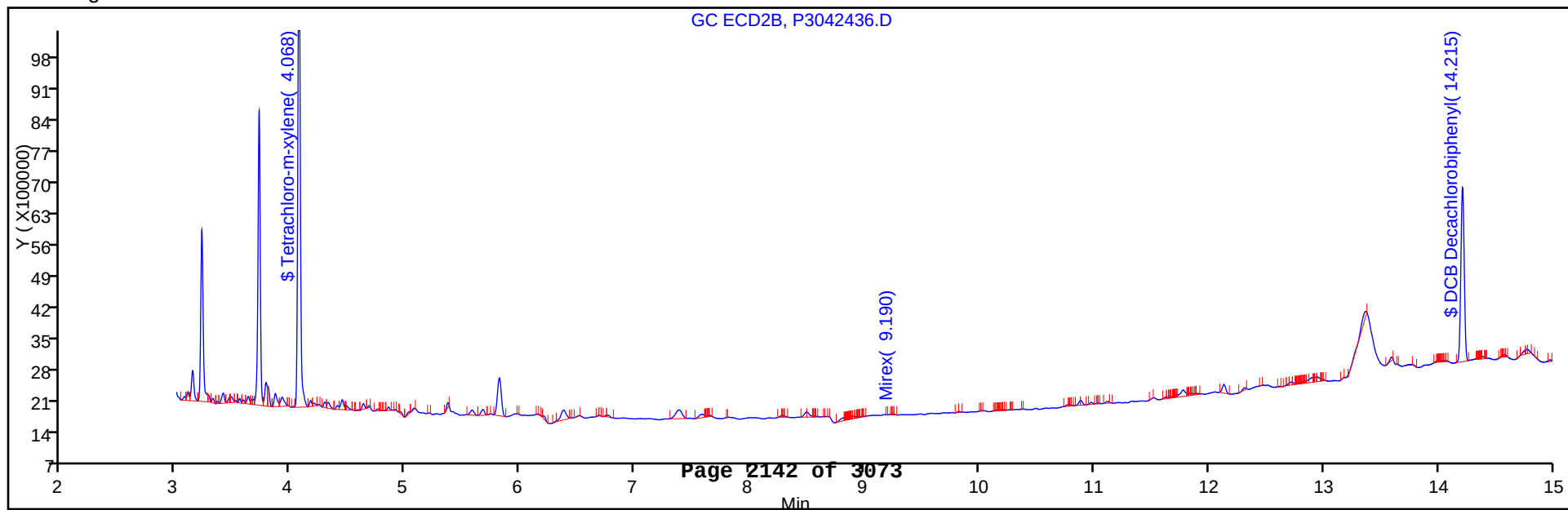
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22852-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 240-81726/22-A
 Matrix: Solid Lab File ID: P3041915.D
 Analysis Method: 8081/DOD Date Collected: _____
 Extraction Method: 3540C Date Extracted: 04/12/2013 11:07
 Sample wt/vol: 30.00(g) Date Analyzed: 04/19/2013 15:37
 Con. Extract Vol.: 10(mL) Dilution Factor: 1
 Injection Volume: 1(uL) GC Column: CLP-1 ID: 0.53(mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 82685 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	4,4'-DDD	33.9		2.0	0.67	0.62
72-55-9	4,4'-DDE	28.1		1.7	0.67	0.39
50-29-3	4,4'-DDT	32.9		2.0	0.67	0.63
309-00-2	Aldrin	26.3		4.0	1.3	1.2
319-84-6	alpha-BHC	30.7		2.5	1.3	0.73
5103-71-9	alpha-Chlordane	28.5		3.0	1.3	0.94
319-85-7	beta-BHC	29.5		3.5	1.3	1.1
319-86-8	delta-BHC	31.8		4.0	1.3	1.2
60-57-1	Dieldrin	32.2		1.7	0.67	0.47
959-98-8	Endosulfan I	21.7		1.7	0.67	0.52
33213-65-9	Endosulfan II	26.3		2.5	1.3	0.82
1031-07-8	Endosulfan sulfate	30.9		3.0	1.3	0.87
72-20-8	Endrin	32.4		1.7	0.67	0.50
7421-93-4	Endrin aldehyde	24.9		3.0	1.3	1.0
53494-70-5	Endrin ketone	28.9		2.0	0.67	0.63
58-89-9	gamma-BHC (Lindane)	31.1		2.5	1.3	0.74
5103-74-2	gamma-Chlordane	31.5		1.7	0.67	0.42
76-44-8	Heptachlor	33.7		3.5	1.3	1.1
1024-57-3	Heptachlor epoxide	31.5		2.5	1.3	0.80
72-43-5	Methoxychlor	32.7		5.0	3.3	1.5

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	85		55-130
877-09-8	Tetrachloro-m-xylene	95		70-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130419-19054.b\P3041915.D
 Lims ID: LCS 240-81726/22-A Client ID:
 Inject. Date: 19-Apr-2013 15:37:30 Dil. Factor: 1.0000
 Sample Type: LCS
 Sample ID: 240-0019054-015
 Misc. Info.:
 Operator: 402582 Instrument ID: A2HP3
 Injection Vol: 1.0 ul ALS Bottle#: 15
 Lims Batch ID: 82685 Lims Sample ID: 15
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCChrom\ChromData\A2HP3\20130419-19054.b\PEST3.m
 Last Update: 20-Apr-2013 07:39:36 Calib Date: 16-Apr-2013 14:58:16
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCChrom\ChromData\A2HP3\20130416-18914.b\P3041609.D
 Limit Group: GC 8081 D0D ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK028

First Level Reviewer: shockr

Date: 19-Apr-2013 16:53:03

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

\$ 29 Tetrachloro-m-xylene

1	100	3.482	3.490	-0.008	20867465	0.0190			
2	100	4.077	4.092	-0.015	12312622	0.0204			

RPD = 7.21

5 alpha-BHC

1	100	4.172	4.181	-0.009	149335227	0.0920			
2	100	4.927	4.949	-0.022	85998567	0.1117			

RPD = 19.37

20 gamma-BHC (Lindane)

1	100	4.551	4.561	-0.010	135955197	0.0934			
2	100	5.506	5.533	-0.027	72290686	0.1068			

RPD = 13.33

7 beta-BHC

1	100	4.684	4.695	-0.011	54805398	0.0886			
2	100	5.689	5.719	-0.030	30463520	0.1030			

RPD = 15.04

11 delta-BHC

1	100	4.899	4.910	-0.011	141251960	0.0954			
2	100	6.271	6.304	-0.033	73411387	0.1055			

RPD = 10.06

22 Heptachlor

1	100	5.183	5.194	-0.011	130322379	0.1012			
2	100	6.334	6.366	-0.032	63304929	0.1086			

RPD = 7.07

4 Aldrin

1	100	5.635	5.644	-0.009	107172678	0.0788			
2	100	7.079	7.115	-0.036	69742782	0.1047			

RPD = 28.23

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.867	6.870	-0.003	116414303	0.0946			
2	100	8.578	8.607	-0.029	65939369	0.1134			
						RPD = 18.05			
21 gamma-Chlordane									
1	100	7.172	7.172	0.000	119316337	0.0944			
2	100	8.985	9.012	-0.027	62428164	0.1064			
						RPD = 11.94			
6 alpha-Chlordane									
1	100	7.520	7.520	0.000	110363587	0.0856			
2	100	9.295	9.322	-0.027	61498167	0.1008			
						RPD = 16.30			
14 Endosulfan I									
1	100	7.795	7.795	0.000	75052783	0.0651			
2	100	9.361	9.388	-0.027	46254519	0.0871			
						RPD = 28.84			
2 4,4'-DDE									
1	100	7.900	7.897	0.003	106941906	0.0844			
2	100	9.740	9.766	-0.026	61515656	0.1009			
						RPD = 17.73			
13 Dieldrin									
1	100	8.357	8.357	0.000	122462647	0.0965			
2	100	9.888	9.914	-0.026	63175598	0.1063			
						RPD = 9.60			
17 Endrin									
1	100	8.816	8.816	0.000	115645868	0.0973			
2	100	10.412	10.435	-0.023	59727489	0.1115			
						RPD = 13.63			
1 4,4'-DDD									
1	100	9.179	9.182	-0.003	98681203	0.1017			
2	100	10.750	10.775	-0.025	54419137	0.1273			
						RPD = 22.35			
15 Endosulfan II									
1	100	9.266	9.268	-0.002	86318871	0.0789			
2	100	10.783	10.807	-0.024	43820395	0.0903			
						RPD = 13.48			
3 4,4'-DDT									
1	100	9.704	9.706	-0.002	90938934	0.0986			
2	100	11.231	11.256	-0.025	41613636	0.1052			
						RPD = 6.47			
18 Endrin aldehyde									
1	100	10.067	10.070	-0.003	65893735	0.0748			
2	100	11.347	11.374	-0.027	34307939	0.0868			
						RPD = 14.87			
27 Methoxychlor									
1	100	10.664	10.667	-0.003	45327556	0.0982			
2	100	12.309	12.336	-0.027	20819460	0.1043			
						RPD = 6.04			

Data File: \\NCCChrom\ChromData\A2HP3\20130419-19054.b\P3041915.D

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

16 Endosulfan sulfate

1	100	10.797	10.800	-0.003	90830062	0.0926			
2	100	11.765	11.791	-0.026	48214292	0.1090			

RPD = 16.31

19 Endrin ketone

1	100	11.200	11.201	-0.001	99205356	0.0867			
2	100	12.512	12.539	-0.027	51856105	0.1034			

RPD = 17.60

\$ 10 DCB Decachlorobiphenyl

1	100	12.841	12.824	0.017	16368746	0.0170			M
2	100	14.225	14.253	-0.028	8213728	0.0171			M

RPD = 0.24

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 20-Apr-2013 07:39:41

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP3\20130419-19054.b\P3041915.D

Injection Date: 19-Apr-2013 15:37:30

Limit Group: GC 8081 D0D ICAL

Client ID:

Instrument ID: A2HP3

Lims Batch ID: 82685

Lims Sample ID: 15

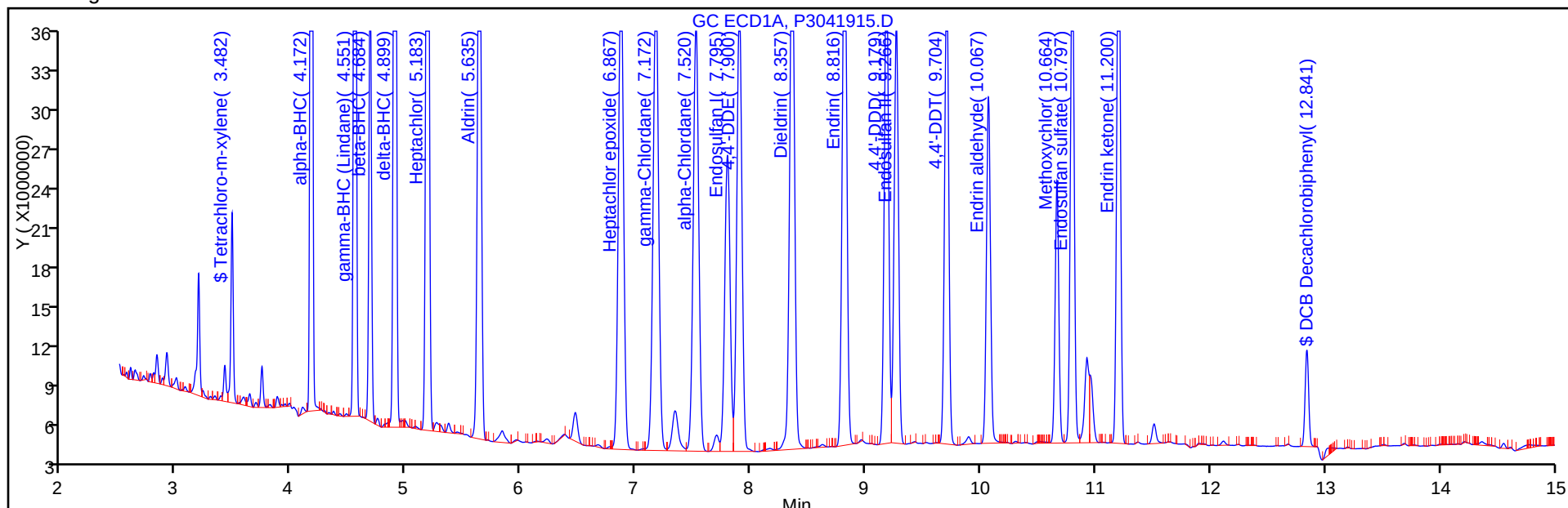
Operator ID: 402582

Injection Vol: 1.0 ul

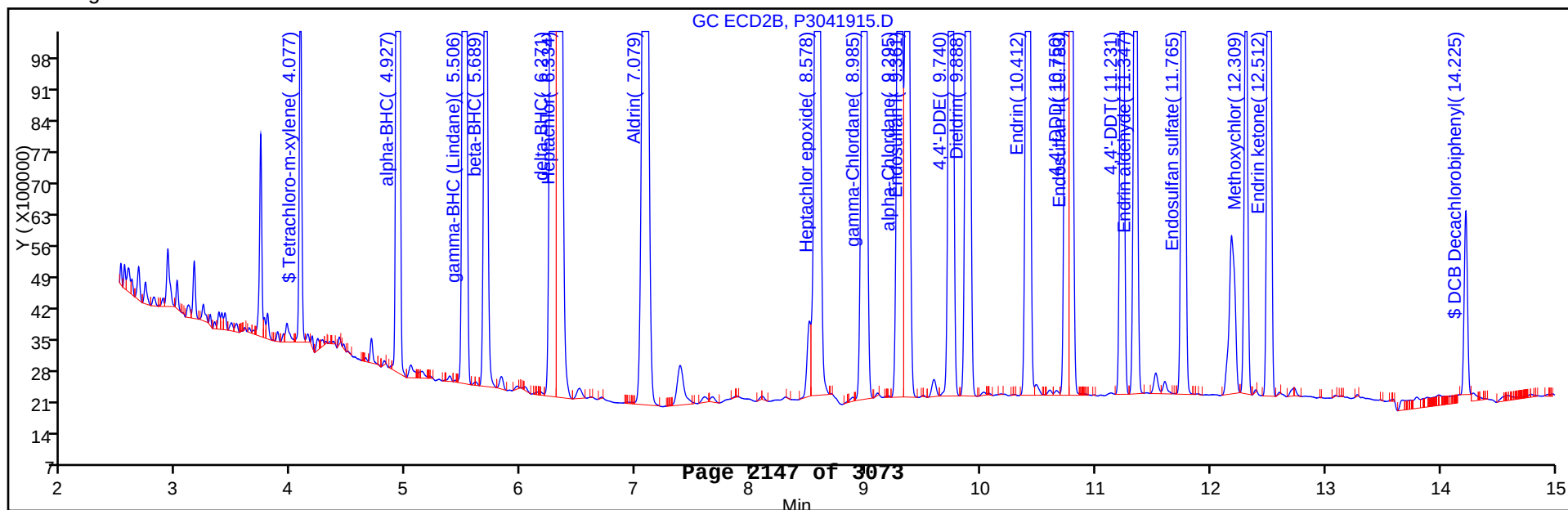
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22852-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: LCS 240-81726/22-A
Matrix: Solid Lab File ID: P3041915.D
Analysis Method: 8081/DOD Date Collected: _____
Extraction Method: 3540C Date Extracted: 04/12/2013 11:07
Sample wt/vol: 30.00(g) Date Analyzed: 04/19/2013 15:37
Con. Extract Vol.: 10(mL) Dilution Factor: 1
Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 82685 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	85	<i>M</i>	55-130
877-09-8	Tetrachloro-m-xylene	102		70-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130419-19054.b\P3041915.D
 Lims ID: LCS 240-81726/22-A Client ID:
 Inject. Date: 19-Apr-2013 15:37:30 Dil. Factor: 1.0000
 Sample Type: LCS
 Sample ID: 240-0019054-015
 Misc. Info.:
 Operator: 402582 Instrument ID: A2HP3
 Injection Vol: 1.0 ul ALS Bottle#: 15
 Lims Batch ID: 82685 Lims Sample ID: 15
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCChrom\ChromData\A2HP3\20130419-19054.b\PEST3.m
 Last Update: 20-Apr-2013 07:39:36 Calib Date: 16-Apr-2013 14:58:16
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCChrom\ChromData\A2HP3\20130416-18914.b\P3041609.D
 Limit Group: GC 8081 D0D ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK028

First Level Reviewer: shockr

Date: 19-Apr-2013 16:53:03

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

\$ 29 Tetrachloro-m-xylene

1	100	3.482	3.490	-0.008	20867465	0.0190			
2	100	4.077	4.092	-0.015	12312622	0.0204			

RPD = 7.21

5 alpha-BHC

1	100	4.172	4.181	-0.009	149335227	0.0920			
2	100	4.927	4.949	-0.022	85998567	0.1117			

RPD = 19.37

20 gamma-BHC (Lindane)

1	100	4.551	4.561	-0.010	135955197	0.0934			
2	100	5.506	5.533	-0.027	72290686	0.1068			

RPD = 13.33

7 beta-BHC

1	100	4.684	4.695	-0.011	54805398	0.0886			
2	100	5.689	5.719	-0.030	30463520	0.1030			

RPD = 15.04

11 delta-BHC

1	100	4.899	4.910	-0.011	141251960	0.0954			
2	100	6.271	6.304	-0.033	73411387	0.1055			

RPD = 10.06

22 Heptachlor

1	100	5.183	5.194	-0.011	130322379	0.1012			
2	100	6.334	6.366	-0.032	63304929	0.1086			

RPD = 7.07

4 Aldrin

1	100	5.635	5.644	-0.009	107172678	0.0788			
2	100	7.079	7.115	-0.036	69742782	0.1047			

RPD = 28.23

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.867	6.870	-0.003	116414303	0.0946			
2	100	8.578	8.607	-0.029	65939369	0.1134			
						RPD = 18.05			
21 gamma-Chlordane									
1	100	7.172	7.172	0.000	119316337	0.0944			
2	100	8.985	9.012	-0.027	62428164	0.1064			
						RPD = 11.94			
6 alpha-Chlordane									
1	100	7.520	7.520	0.000	110363587	0.0856			
2	100	9.295	9.322	-0.027	61498167	0.1008			
						RPD = 16.30			
14 Endosulfan I									
1	100	7.795	7.795	0.000	75052783	0.0651			
2	100	9.361	9.388	-0.027	46254519	0.0871			
						RPD = 28.84			
2 4,4'-DDE									
1	100	7.900	7.897	0.003	106941906	0.0844			
2	100	9.740	9.766	-0.026	61515656	0.1009			
						RPD = 17.73			
13 Dieldrin									
1	100	8.357	8.357	0.000	122462647	0.0965			
2	100	9.888	9.914	-0.026	63175598	0.1063			
						RPD = 9.60			
17 Endrin									
1	100	8.816	8.816	0.000	115645868	0.0973			
2	100	10.412	10.435	-0.023	59727489	0.1115			
						RPD = 13.63			
1 4,4'-DDD									
1	100	9.179	9.182	-0.003	98681203	0.1017			
2	100	10.750	10.775	-0.025	54419137	0.1273			
						RPD = 22.35			
15 Endosulfan II									
1	100	9.266	9.268	-0.002	86318871	0.0789			
2	100	10.783	10.807	-0.024	43820395	0.0903			
						RPD = 13.48			
3 4,4'-DDT									
1	100	9.704	9.706	-0.002	90938934	0.0986			
2	100	11.231	11.256	-0.025	41613636	0.1052			
						RPD = 6.47			
18 Endrin aldehyde									
1	100	10.067	10.070	-0.003	65893735	0.0748			
2	100	11.347	11.374	-0.027	34307939	0.0868			
						RPD = 14.87			
27 Methoxychlor									
1	100	10.664	10.667	-0.003	45327556	0.0982			
2	100	12.309	12.336	-0.027	20819460	0.1043			
						RPD = 6.04			

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

16 Endosulfan sulfate

1	100	10.797	10.800	-0.003	90830062	0.0926			
2	100	11.765	11.791	-0.026	48214292	0.1090			
RPD = 16.31									

19 Endrin ketone

1	100	11.200	11.201	-0.001	99205356	0.0867			
2	100	12.512	12.539	-0.027	51856105	0.1034			
RPD = 17.60									

\$ 10 DCB Decachlorobiphenyl

1	100	12.841	12.824	0.017	16368746	0.0170			M
2	100	14.225	14.253	-0.028	8213728	0.0171			M
RPD = 0.24									

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 20-Apr-2013 07:39:41

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP3\20130419-19054.b\P3041915.D

Injection Date: 19-Apr-2013 15:37:30

Limit Group: GC 8081 D0D ICAL

Client ID:

Instrument ID: A2HP3

Lims Batch ID: 82685

Lims Sample ID: 15

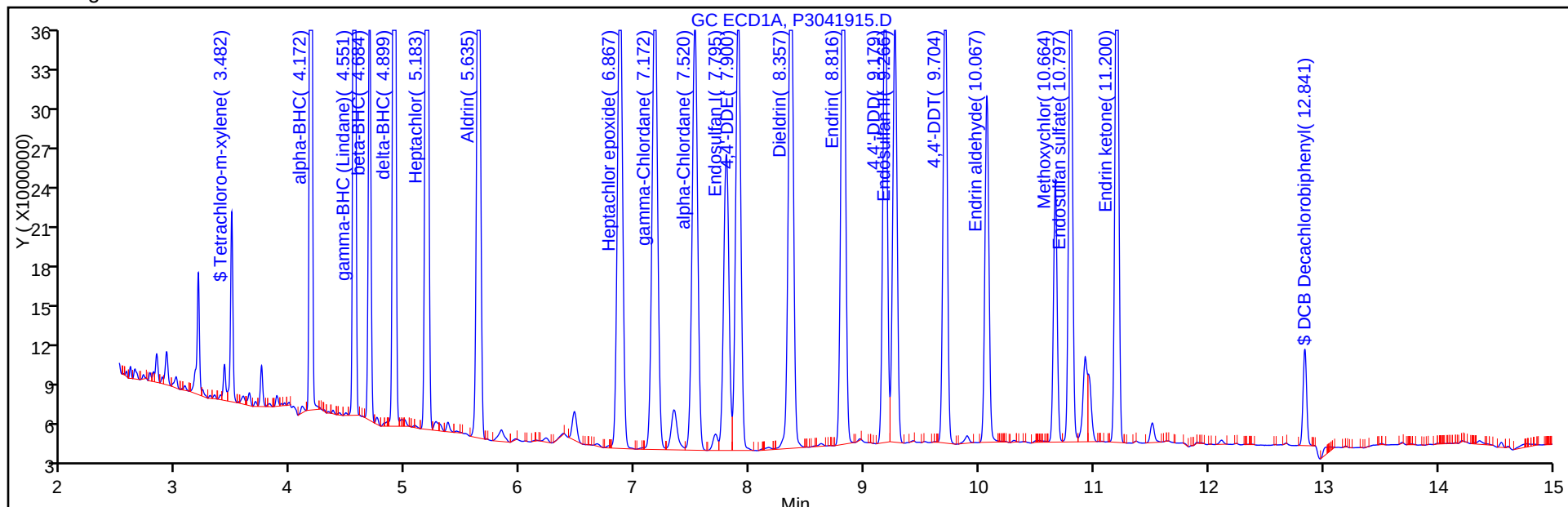
Operator ID: 402582

Injection Vol: 1.0 ul

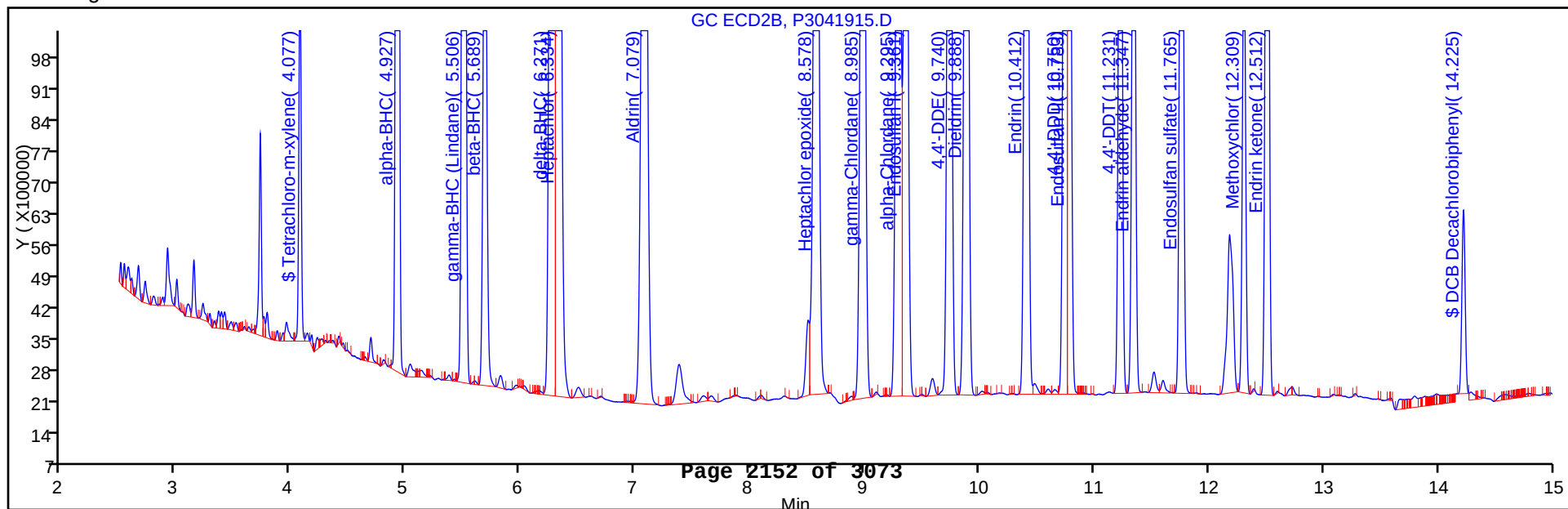
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP3\20130419-19054.b\P3041915.D

Injection Date: 19-Apr-2013 15:37:30

Limit Group: GC 8081 D0D ICAL

Client ID:

Instrument ID: A2HP3

Lims Batch ID: 82685

Lims Sample ID: 15

Operator ID: 402582

Injection Vol: 1.0 ul

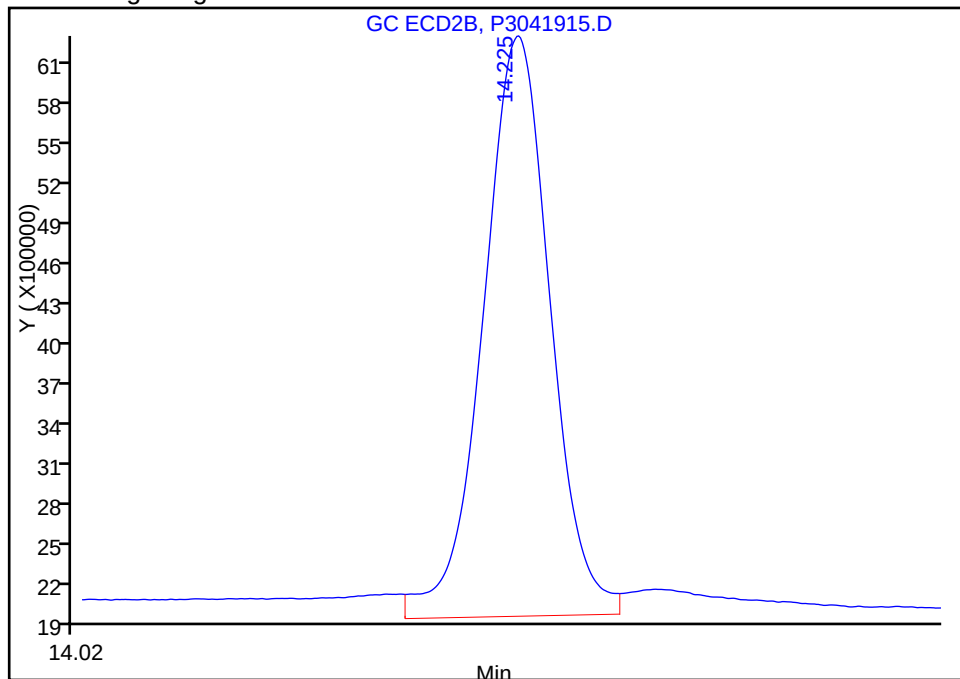
Column Type:

Column Dia:

\$ 10 DCB Decachlorobiphenyl, Signal: 2, Type: quant, RT: 14.25, Det: GC ecd2b

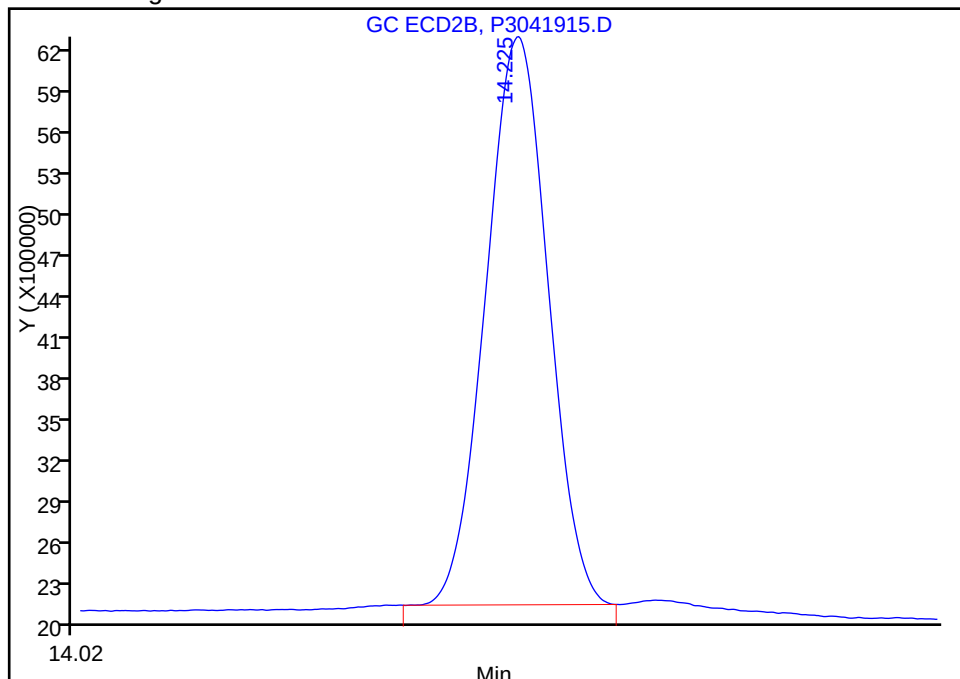
RT: 14.22
Response: 9199751
Amount: 0.019138

Processing Integration Results



RT: 14.22
Response: 8213728
Amount: 0.017087

Manual Integration Results



Reviewer: shockr, 19-Apr-2013 16:53:03

Audit Action: Manually Integrated

Audit Reason: Baseline Event

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22852-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 240-83135/19-A
 Matrix: Solid Lab File ID: P3042437.D
 Analysis Method: 8081/DOD Date Collected: _____
 Extraction Method: 3540C Date Extracted: 04/23/2013 08:54
 Sample wt/vol: 30.00(g) Date Analyzed: 04/24/2013 22:14
 Con. Extract Vol.: 10(mL) Dilution Factor: 1
 Injection Volume: 1(uL) GC Column: CLP-1 ID: 0.53(mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 83400 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	4,4'-DDD	40.7		2.0	0.67	0.62
72-55-9	4,4'-DDE	35.1		1.7	0.67	0.39
50-29-3	4,4'-DDT	30.5	M	2.0	0.67	0.63
309-00-2	Aldrin	27.5		4.0	1.3	1.2
319-84-6	alpha-BHC	32.3		2.5	1.3	0.73
5103-71-9	alpha-Chlordane	32.8		3.0	1.3	0.94
319-85-7	beta-BHC	30.5		3.5	1.3	1.1
319-86-8	delta-BHC	34.1		4.0	1.3	1.2
60-57-1	Dieldrin	35.4		1.7	0.67	0.47
959-98-8	Endosulfan I	29.5		1.7	0.67	0.52
33213-65-9	Endosulfan II	36.0		2.5	1.3	0.82
1031-07-8	Endosulfan sulfate	35.5		3.0	1.3	0.87
72-20-8	Endrin	34.5		1.7	0.67	0.50
7421-93-4	Endrin aldehyde	36.5		3.0	1.3	1.0
53494-70-5	Endrin ketone	33.9		2.0	0.67	0.63
58-89-9	gamma-BHC (Lindane)	32.0		2.5	1.3	0.74
5103-74-2	gamma-Chlordane	35.7		1.7	0.67	0.42
76-44-8	Heptachlor	28.4		3.5	1.3	1.1
1024-57-3	Heptachlor epoxide	34.8		2.5	1.3	0.80
72-43-5	Methoxychlor	34.8		5.0	3.3	1.5

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	90		55-130
877-09-8	Tetrachloro-m-xylene	131	Q	70-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130424-19209.b\P3042437.D
 Lims ID: LCS 240-83135/19-A Client ID:
 Inject. Date: 24-Apr-2013 22:14:49 Dil. Factor: 1.0000
 Sample Type: LCS
 Sample ID: 240-0019209-037
 Misc. Info.:
 Operator: 402582 Instrument ID: A2HP3
 Injection Vol: 1.0 ul ALS Bottle#: 37
 Lims Batch ID: 83400 Lims Sample ID: 37
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCChrom\ChromData\A2HP3\20130424-19209.b\PEST3.m
 Last Update: 26-Apr-2013 09:16:41 Calib Date: 23-Apr-2013 17:41:50
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCChrom\ChromData\A2HP3\20130423-19186.b\P3042315.D
 Limit Group: GC 8081 D0D ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK026

First Level Reviewer: shockr

Date: 26-Apr-2013 09:16:40

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

\$ 29 Tetrachloro-m-xylene

1	100	3.472	3.471	0.001	23185398	0.0263			
2	100	4.068	4.064	0.004	17108496	0.0356			

RPD = 30.23

5 alpha-BHC

1	100	4.161	4.159	0.002	131884985	0.0970			
2	100	4.916	4.915	0.001	75003380	0.1050			

RPD = 7.92

20 gamma-BHC (Lindane)

1	100	4.538	4.537	0.001	115879740	0.0959			
2	100	5.495	5.494	0.001	64261541	0.1025			

RPD = 6.69

7 beta-BHC

1	100	4.670	4.669	0.001	47535353	0.0915			
2	100	5.678	5.679	-0.001	27012291	0.0969			

RPD = 5.71

11 delta-BHC

1	100	4.882	4.882	0.000	125394859	0.1024			
2	100	6.259	6.259	0.000	59716930	0.0920			

RPD = 10.72

22 Heptachlor

1	100	5.162	5.163	-0.001	87868670	0.0851			
2	100	6.321	6.322	-0.001	39852033	0.0806			

RPD = 5.43

4 Aldrin

1	100	5.609	5.609	0.000	89900520	0.0826			
2	100	7.065	7.064	0.001	62769540	0.1084			

RPD = 26.99

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.821	6.822	-0.001	103532572	0.1043			
2	100	8.565	8.565	0.000	55817961	0.1087			
						RPD = 4.12			
21 gamma-Chlordane									
1	100	7.120	7.121	-0.001	107031465	0.1072			
2	100	8.971	8.970	0.001	56493009	0.1110			
						RPD = 3.57			
6 alpha-Chlordane									
1	100	7.470	7.470	0.000	100696138	0.0984			
2	100	9.280	9.280	0.000	55053230	0.1053			
						RPD = 6.80			
14 Endosulfan I									
1	100	7.745	7.746	-0.001	80278561	0.0886			
2	100	9.346	9.346	0.000	51386212	0.1119			
						RPD = 23.29			
2 4,4'-DDE									
1	100	7.846	7.850	-0.004	102033107	0.1053			
2	100	9.727	9.727	0.000	55782974	0.1123			
						RPD = 6.39			
13 Dieldrin									
1	100	8.311	8.310	0.001	106069647	0.1062			
2	100	9.873	9.874	-0.001	56430106	0.1128			
						RPD = 5.94			
17 Endrin									
1	100	8.771	8.771	0.000	96190320	0.1035			
2	100	10.395	10.396	-0.001	49527448	0.1080			
						RPD = 4.27			
1 4,4'-DDD									
1	100	9.136	9.139	-0.003	91215033	0.1220			
2	100	10.735	10.736	-0.001	48349487	0.1387			
						RPD = 12.83			
15 Endosulfan II									
1	100	9.224	9.225	-0.001	90780522	0.1081			
2	100	10.766	10.766	0.000	49042094	0.1147			
						RPD = 5.96			
3 4,4'-DDT									
1	100	9.665	9.668	-0.003	64256335	0.0914			M
2	100	11.216	11.217	-0.001	29210016	0.0943			M
						RPD = 3.16			
18 Endrin aldehyde									
1	100	10.031	10.030	0.001	70592429	0.1096			
2	100	11.333	11.333	0.000	36233815	0.1121			
						RPD = 2.27			
27 Methoxychlor									
1	100	10.629	10.630	-0.001	36968487	0.1045			
2	100	12.299	12.299	0.000	16360812	0.1061			
						RPD = 1.49			

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

16 Endosulfan sulfate

1	100	10.761	10.763	-0.002	82621405	0.1065			
2	100	11.750	11.752	-0.002	43451699	0.1131			

RPD = 6.00

19 Endrin ketone

1	100	11.163	11.165	-0.002	91307571	0.1017			
2	100	12.501	12.501	0.000	48351355	0.1125			

RPD = 10.11

\$ 10 DCB Decachlorobiphenyl

1	100	12.785	12.787	-0.002	14883592	0.0180			
2	100	14.216	14.217	-0.001	8072303	0.0187			

RPD = 3.79

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 26-Apr-2013 09:16:41

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP3\20130424-19209.b\P3042437.D

Injection Date: 24-Apr-2013 22:14:49

Limit Group: GC 8081 D0D ICAL

Client ID:

Instrument ID: A2HP3

Lims Batch ID: 83400

Lims Sample ID: 37

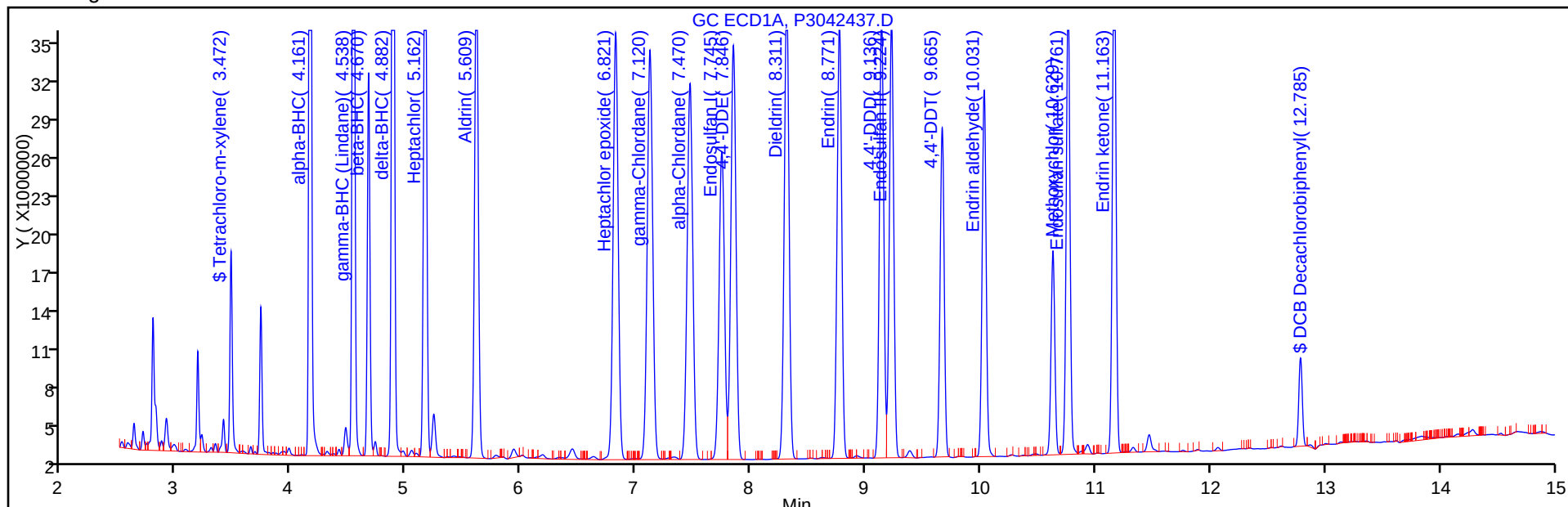
Operator ID: 402582

Injection Vol: 1.0 ul

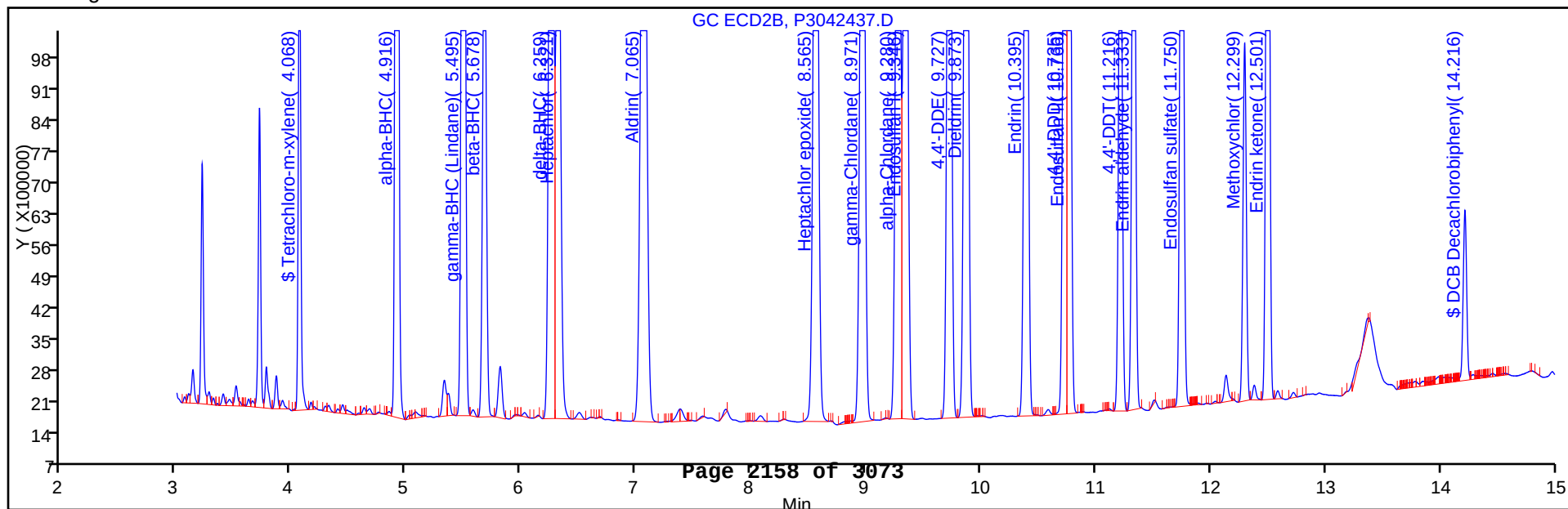
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton

Data File: \\NCCchrom\ChromData\A2HP3\20130424-19209.b\P3042437.D

Injection Date: 24-Apr-2013 22:14:49

Limit Group: GC 8081 D0D ICAL

Client ID:

Instrument ID: A2HP3

Lims Batch ID: 83400

Lims Sample ID: 37

Operator ID: 402582

Injection Vol: 1.0 ul

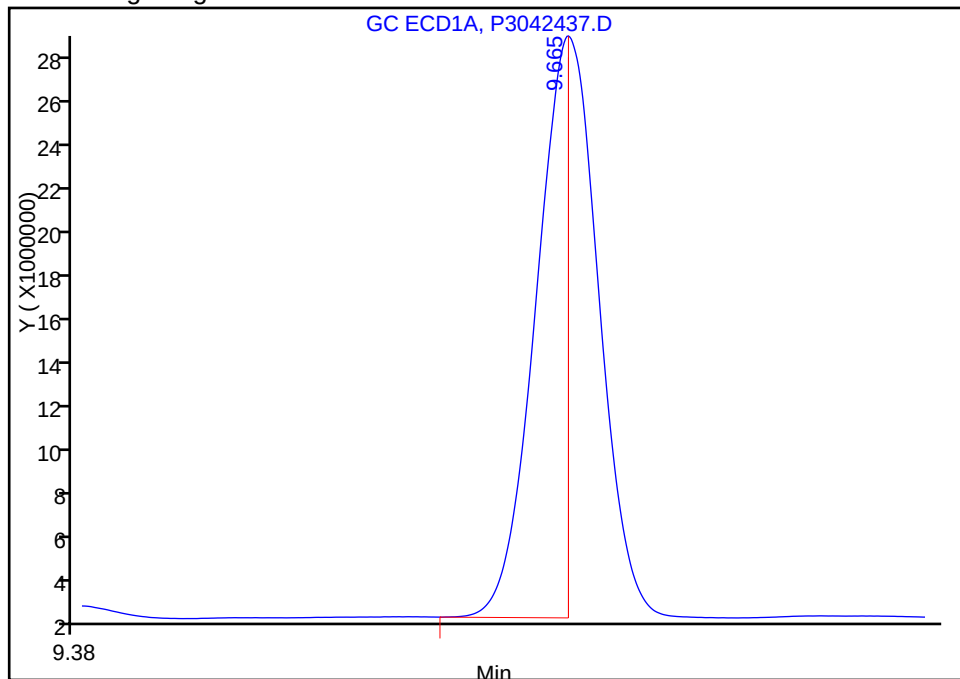
Column Type:

Column Dia:

3 4,4'-DDT, Signal: 1, Type: quant, RT: 9.67, Det: GC ECD1A

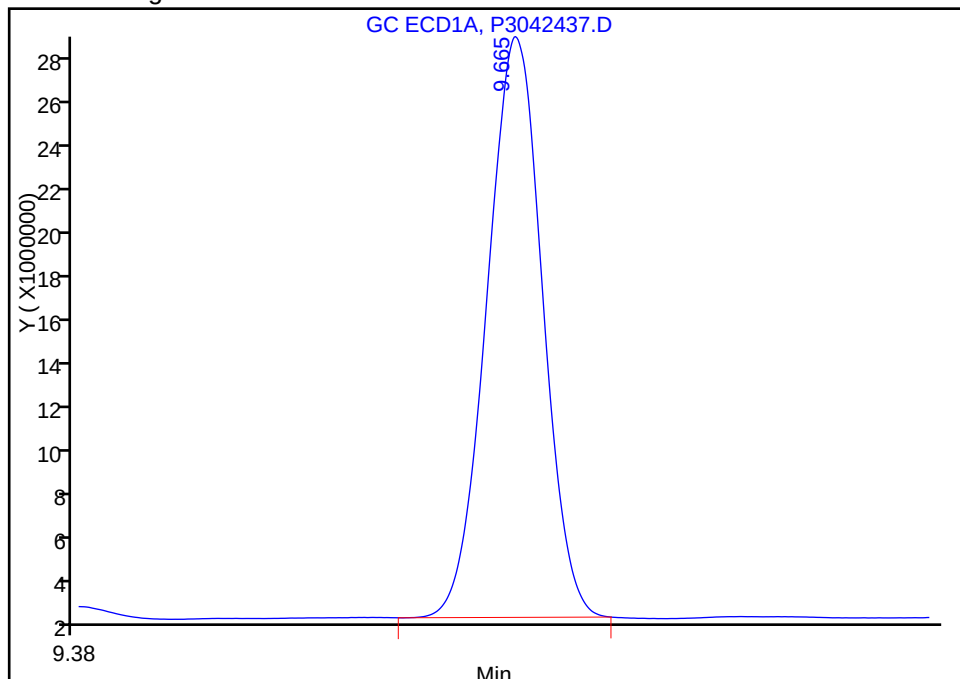
RT: 9.66
Response: 32825227
Amount: 0.046680

Processing Integration Results



RT: 9.66
Response: 64256335
Amount: 0.091377

Manual Integration Results



Reviewer: shockr, 26-Apr-2013 09:16:40

Audit Action: Manually Integrated

Audit Reason: Baseline Event

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22852-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: LCS 240-83135/19-A
Matrix: Solid Lab File ID: P3042437.D
Analysis Method: 8081/DOD Date Collected: _____
Extraction Method: 3540C Date Extracted: 04/23/2013 08:54
Sample wt/vol: 30.00(g) Date Analyzed: 04/24/2013 22:14
Con. Extract Vol.: 10(mL) Dilution Factor: 1
Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 83400 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	93		55-130
877-09-8	Tetrachloro-m-xylene	178	Q	70-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130424-19209.b\P3042437.D
 Lims ID: LCS 240-83135/19-A Client ID:
 Inject. Date: 24-Apr-2013 22:14:49 Dil. Factor: 1.0000
 Sample Type: LCS
 Sample ID: 240-0019209-037
 Misc. Info.:
 Operator: 402582 Instrument ID: A2HP3
 Injection Vol: 1.0 ul ALS Bottle#: 37
 Lims Batch ID: 83400 Lims Sample ID: 37
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCChrom\ChromData\A2HP3\20130424-19209.b\PEST3.m
 Last Update: 26-Apr-2013 09:16:41 Calib Date: 23-Apr-2013 17:41:50
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCChrom\ChromData\A2HP3\20130423-19186.b\P3042315.D
 Limit Group: GC 8081 D0D ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK026

First Level Reviewer: shockr

Date: 26-Apr-2013 09:16:40

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

\$ 29 Tetrachloro-m-xylene

1	100	3.472	3.471	0.001	23185398	0.0263			
2	100	4.068	4.064	0.004	17108496	0.0356			

RPD = 30.23

5 alpha-BHC

1	100	4.161	4.159	0.002	131884985	0.0970			
2	100	4.916	4.915	0.001	75003380	0.1050			

RPD = 7.92

20 gamma-BHC (Lindane)

1	100	4.538	4.537	0.001	115879740	0.0959			
2	100	5.495	5.494	0.001	64261541	0.1025			

RPD = 6.69

7 beta-BHC

1	100	4.670	4.669	0.001	47535353	0.0915			
2	100	5.678	5.679	-0.001	27012291	0.0969			

RPD = 5.71

11 delta-BHC

1	100	4.882	4.882	0.000	125394859	0.1024			
2	100	6.259	6.259	0.000	59716930	0.0920			

RPD = 10.72

22 Heptachlor

1	100	5.162	5.163	-0.001	87868670	0.0851			
2	100	6.321	6.322	-0.001	39852033	0.0806			

RPD = 5.43

4 Aldrin

1	100	5.609	5.609	0.000	89900520	0.0826			
2	100	7.065	7.064	0.001	62769540	0.1084			

RPD = 26.99

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.821	6.822	-0.001	103532572	0.1043			
2	100	8.565	8.565	0.000	55817961	0.1087			
						RPD = 4.12			
21 gamma-Chlordane									
1	100	7.120	7.121	-0.001	107031465	0.1072			
2	100	8.971	8.970	0.001	56493009	0.1110			
						RPD = 3.57			
6 alpha-Chlordane									
1	100	7.470	7.470	0.000	100696138	0.0984			
2	100	9.280	9.280	0.000	55053230	0.1053			
						RPD = 6.80			
14 Endosulfan I									
1	100	7.745	7.746	-0.001	80278561	0.0886			
2	100	9.346	9.346	0.000	51386212	0.1119			
						RPD = 23.29			
2 4,4'-DDE									
1	100	7.846	7.850	-0.004	102033107	0.1053			
2	100	9.727	9.727	0.000	55782974	0.1123			
						RPD = 6.39			
13 Dieldrin									
1	100	8.311	8.310	0.001	106069647	0.1062			
2	100	9.873	9.874	-0.001	56430106	0.1128			
						RPD = 5.94			
17 Endrin									
1	100	8.771	8.771	0.000	96190320	0.1035			
2	100	10.395	10.396	-0.001	49527448	0.1080			
						RPD = 4.27			
1 4,4'-DDD									
1	100	9.136	9.139	-0.003	91215033	0.1220			
2	100	10.735	10.736	-0.001	48349487	0.1387			
						RPD = 12.83			
15 Endosulfan II									
1	100	9.224	9.225	-0.001	90780522	0.1081			
2	100	10.766	10.766	0.000	49042094	0.1147			
						RPD = 5.96			
3 4,4'-DDT									
1	100	9.665	9.668	-0.003	64256335	0.0914			M
2	100	11.216	11.217	-0.001	29210016	0.0943			M
						RPD = 3.16			
18 Endrin aldehyde									
1	100	10.031	10.030	0.001	70592429	0.1096			
2	100	11.333	11.333	0.000	36233815	0.1121			
						RPD = 2.27			
27 Methoxychlor									
1	100	10.629	10.630	-0.001	36968487	0.1045			
2	100	12.299	12.299	0.000	16360812	0.1061			
						RPD = 1.49			

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

16 Endosulfan sulfate

1	100	10.761	10.763	-0.002	82621405	0.1065			
2	100	11.750	11.752	-0.002	43451699	0.1131			
RPD = 6.00									

19 Endrin ketone

1	100	11.163	11.165	-0.002	91307571	0.1017			
2	100	12.501	12.501	0.000	48351355	0.1125			
RPD = 10.11									

\$ 10 DCB Decachlorobiphenyl

1	100	12.785	12.787	-0.002	14883592	0.0180			
2	100	14.216	14.217	-0.001	8072303	0.0187			
RPD = 3.79									

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 26-Apr-2013 09:16:41

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCCrom\ChromData\A2HP3\20130424-19209.b\P3042437.D

Injection Date: 24-Apr-2013 22:14:49

Limit Group: GC 8081 D0D ICAL

Client ID:

Instrument ID: A2HP3

Lims Batch ID: 83400

Lims Sample ID: 37

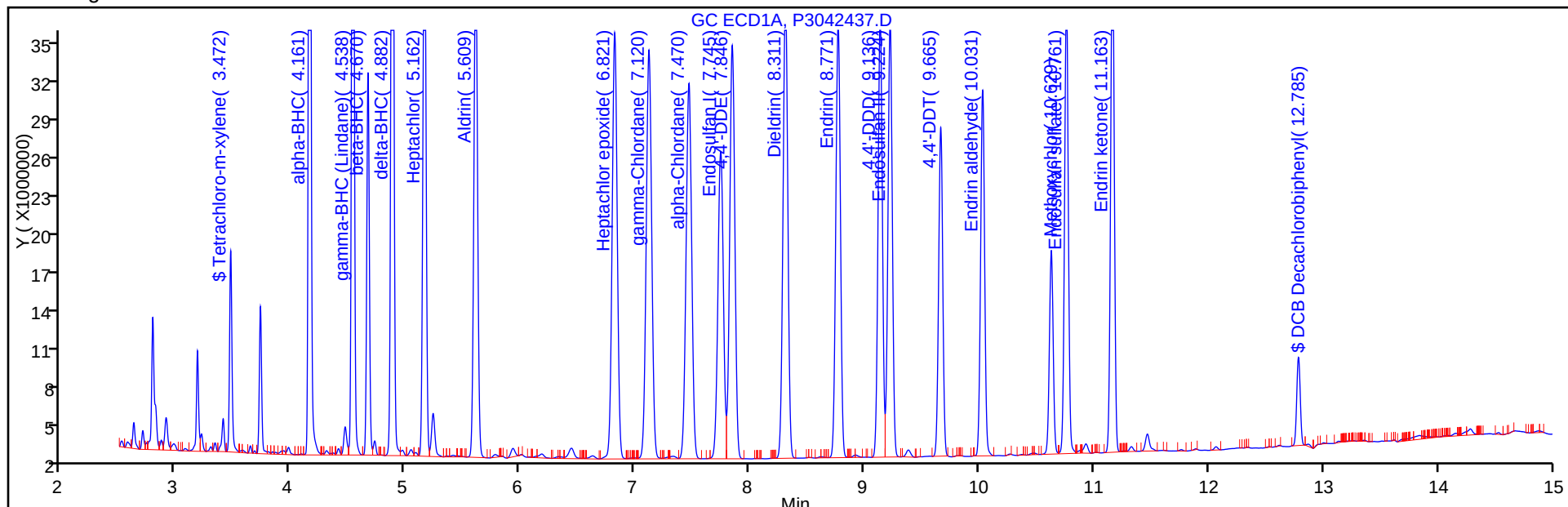
Operator ID: 402582

Injection Vol: 1.0 ul

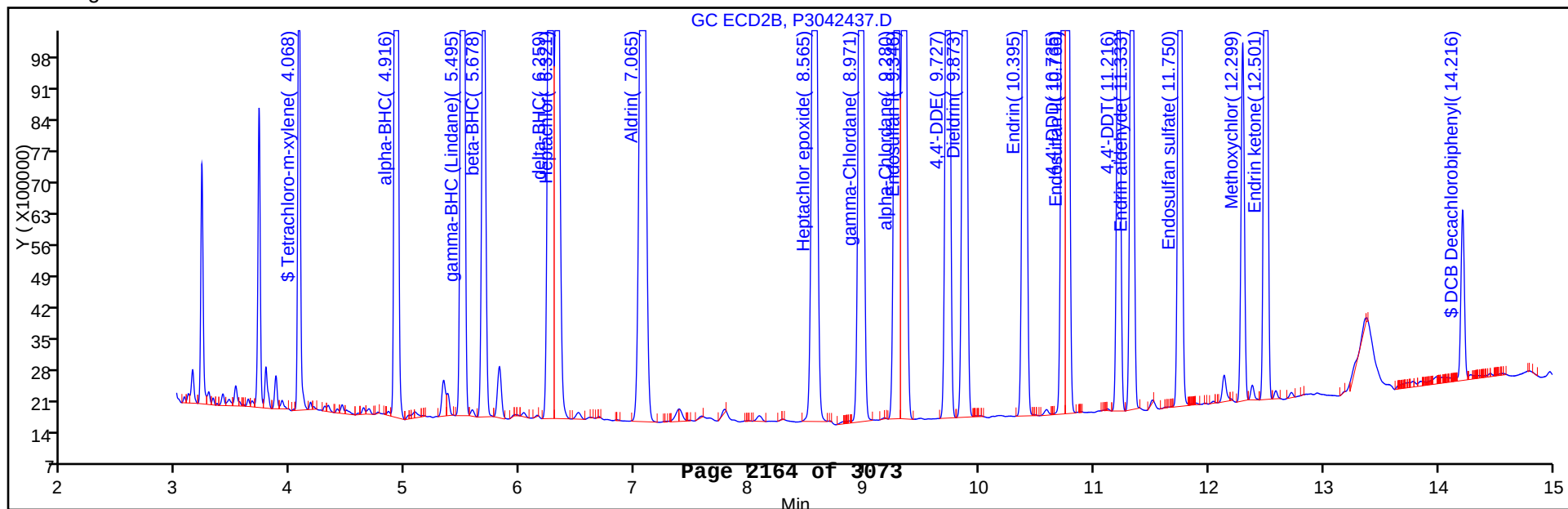
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22852-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MRL 240-82685/6
 Matrix: Solid Lab File ID: P3041906.D
 Analysis Method: 8081/DOD Date Collected: _____
 Extraction Method: _____ Date Extracted: _____
 Sample wt/vol: 1(mL) Date Analyzed: 04/19/2013 12:05
 Con. Extract Vol.: _____ Dilution Factor: 1
 Injection Volume: 1(uL) GC Column: CLP-1 ID: 0.53(mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 82685 Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	4,4'-DDD	0.00539		0.0050	0.0010	0.00096
72-55-9	4,4'-DDE	0.00528		0.0050	0.0010	0.00097
50-29-3	4,4'-DDT	0.00649		0.0050	0.0030	0.0016
309-00-2	Aldrin	0.00525		0.0050	0.0010	0.00082
319-84-6	alpha-BHC	0.00515		0.0050	0.0010	0.00070
5103-71-9	alpha-Chlordane	0.00559		0.0050	0.0010	0.0014
319-85-7	beta-BHC	0.00590		0.0050	0.0010	0.00084
319-86-8	delta-BHC	0.00527		0.0050	0.0010	0.00087
60-57-1	Dieldrin	0.00536		0.0050	0.0010	0.00075
959-98-8	Endosulfan I	0.00588		0.0050	0.0010	0.0013
33213-65-9	Endosulfan II	0.00571		0.0050	0.0010	0.0012
1031-07-8	Endosulfan sulfate	0.00597		0.0050	0.0010	0.0011
72-20-8	Endrin	0.00563		0.0050	0.0010	0.0011
7421-93-4	Endrin aldehyde	0.00611		0.0050	0.0010	0.0011
53494-70-5	Endrin ketone	0.00605		0.0050	0.0010	0.00078
58-89-9	gamma-BHC (Lindane)	0.00534		0.0050	0.0010	0.00064
5103-74-2	gamma-Chlordane	0.00558		0.0050	0.0010	0.0012
76-44-8	Heptachlor	0.00612		0.0050	0.0010	0.00080
1024-57-3	Heptachlor epoxide	0.00578		0.0050	0.0010	0.00071
72-43-5	Methoxychlor	0.00772	J ^	0.010	0.0030	0.0032

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	124		50-150
877-09-8	Tetrachloro-m-xylene	103		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP3\20130419-19054.b\P3041906.D
 Lims ID: MRL Client ID:
 Inject. Date: 19-Apr-2013 12:05:50 Dil. Factor: 1.0000
 Sample Type: MRL
 Sample ID: 240-0019054-006
 Misc. Info.:
 Operator: 402582 Instrument ID: A2HP3
 Injection Vol: 1.0 ul ALS Bottle#: 6
 Lims Batch ID: 82685 Lims Sample ID: 6
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCCChrom\ChromData\A2HP3\20130419-19054.b\PEST3.m
 Last Update: 20-Apr-2013 07:39:31 Calib Date: 16-Apr-2013 14:58:16
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP3\20130416-18914.b\P3041609.D
 Limit Group: GC 8081 D0D ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK028

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

\$ 29 Tetrachloro-m-xylene

1	100	3.490	3.490	0.000	5660169	0.005145			
2	100	4.093	4.092	0.001	2901912	0.004805			

RPD = 6.84

12 Diallate

1	100		3.751						
1	2		4.058						
2	100		4.331						
2	2		4.667						

1

24 Hexachlorobenzene

1	100		3.963						
2	100		4.709						

5 alpha-BHC

1	100	4.182	4.181	0.001	8354640	0.005145			
2	100	4.948	4.949	-0.001	4118324	0.005349			

RPD = 3.88

20 gamma-BHC (Lindane)

1	100	4.562	4.561	0.001	7768479	0.005338			
2	100	5.532	5.533	-0.001	3888190	0.005743			

RPD = 7.30

7 beta-BHC

1	100	4.695	4.695	0.000	3651597	0.005904			
2	100	5.719	5.719	0.000	1934184	0.006541			

RPD = 10.23

11 delta-BHC

1	100	4.910	4.910	0.000	7803060	0.005272			
2	100	6.303	6.304	-0.001	3970697	0.005708			

RPD = 7.95

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
8 Chlordane (technical)									1
1	100		5.071						
1	2		5.936						
1	3		7.176						
1	4		7.524						
2	100		6.031						
2	2		7.601						
2	3		8.985						
2	4		9.294						
22 Heptachlor									
1	100	5.195	5.194	0.001	7878470	0.006117			
2	100	6.365	6.366	-0.001	3731787	0.006401			
						RPD = 4.55			
4 Aldrin									
1	100	5.645	5.644	0.001	7137164	0.005248			
2	100	7.114	7.115	-0.001	3663446	0.005500			
						RPD = 4.69			
25 Isodrin									
1	100		6.228						
2	100		8.129						
23 Heptachlor epoxide									
1	100	6.873	6.870	0.003	7114713	0.005784			
2	100	8.608	8.607	0.001	3519463	0.006054			
						RPD = 4.56			
21 gamma-Chlordane									
1	100	7.173	7.172	0.001	7049094	0.005579			
2	100	9.012	9.012	0.000	3478002	0.005929			
						RPD = 6.08			
6 alpha-Chlordane									
1	100	7.523	7.520	0.003	7204124	0.005586			
2	100	9.320	9.322	-0.002	3537479	0.005796			
						RPD = 3.69			
14 Endosulfan I									
1	100	7.796	7.795	0.001	6775982	0.005879			
2	100	9.387	9.388	-0.001	3246888	0.006111			
						RPD = 3.87			
2 4,4'-DDE									
1	100	7.896	7.897	-0.001	6691400	0.005283			
2	100	9.767	9.766	0.001	3180547	0.005215			
						RPD = 1.30			
28 Mirex									1
1	100		8.279						
2	100		9.197						
13 Dieldrin									
1	100	8.359	8.357	0.002	6796684	0.005358			
2	100	9.913	9.914	-0.001	3340082	0.005619			
						RPD = 4.76			
17 Endrin									
1	100	8.816	8.816	0.000	6700483	0.005635			
2	100	10.435	10.435	0.000	3249440	0.006065			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
26 Kepone									
1	100		8.885						1
2	100		10.592						
1 4,4'-DDD									
1	100	9.181	9.182	-0.001	5232701	0.005393			
2	100	10.776	10.775	0.001	2390862	0.005592			
RPD = 3.63									
15 Endosulfan II									
1	100	9.269	9.268	0.001	6247036	0.005707			
2	100	10.808	10.807	0.001	3189342	0.006570			
RPD = 14.05									
9 Chlorobenzilate									
1	100		9.275						1
2	100		10.585						
3 4,4'-DDT									
1	100	9.709	9.706	0.003	5987496	0.006493			
2	100	11.255	11.256	-0.001	2638187	0.006670			
RPD = 2.69									
18 Endrin aldehyde									
1	100	10.073	10.070	0.003	5383114	0.006112			
2	100	11.372	11.374	-0.002	2632359	0.006663			
RPD = 8.62									
30 Toxaphene									
1	1		10.259						1
1	2		10.607						
1	3		10.756						
1	4		11.175						
1	5		11.442						
2	100		10.333						
2	2		10.932						
2	3		11.354						
2	4		12.094						
2	5		12.655						
27 Methoxychlor									
1	100	10.670	10.667	0.003	3563183	0.007722			
2	100	12.336	12.336	0.000	1573091	0.007884			
RPD = 2.08									
16 Endosulfan sulfate									
1	100	10.803	10.800	0.003	5860034	0.005973			
2	100	11.790	11.791	-0.001	2901498	0.006561			
RPD = 9.38									
19 Endrin ketone									
1	100	11.204	11.201	0.003	6922278	0.006048			
2	100	12.539	12.539	0.000	3334238	0.006648			
RPD = 9.46									
\$ 10 DCB Decachlorobiphenyl									
1	100	12.825	12.824	0.001	5976147	0.006224			
2	100	14.253	14.253	0.000	3155810	0.006565			
RPD = 5.34									

QC Flag Legend

Processing Flags

1 - Missing Peaks

Report Date: 20-Apr-2013 07:39:32

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP3\20130419-19054.b\P3041906.D

Injection Date: 19-Apr-2013 12:05:50

Limit Group: GC 8081 D0D ICAL

Client ID:

Instrument ID: A2HP3

Lims Batch ID: 82685

Lims Sample ID: 6

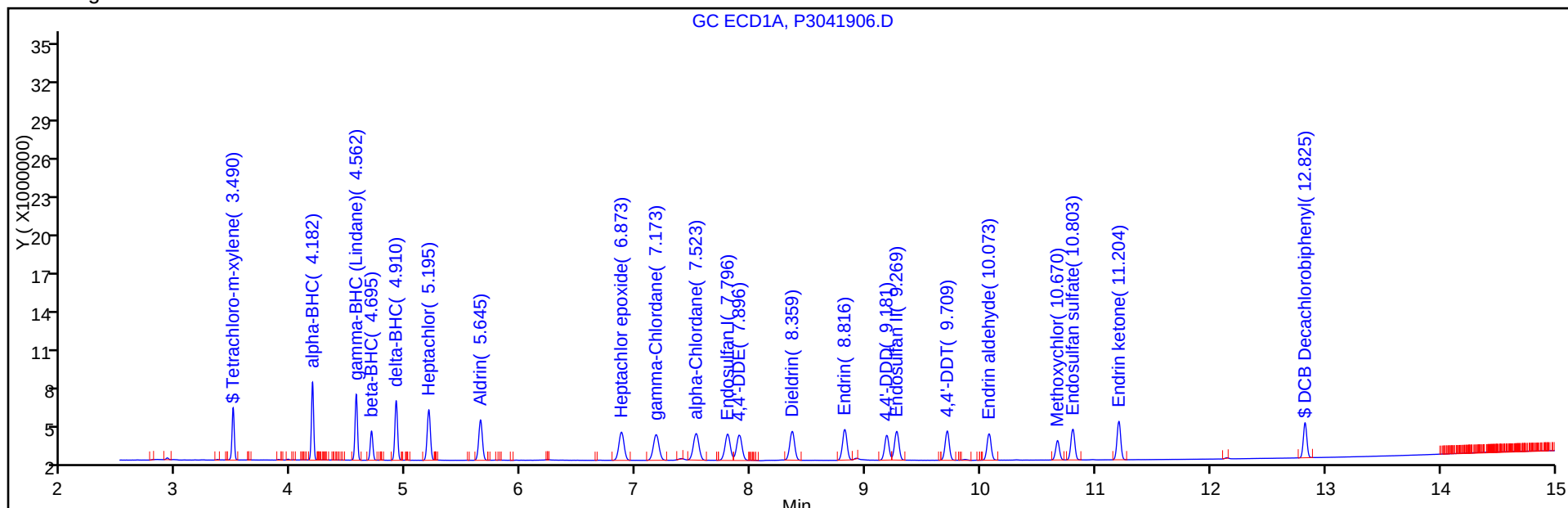
Operator ID: 402582

Injection Vol: 1.0 ul

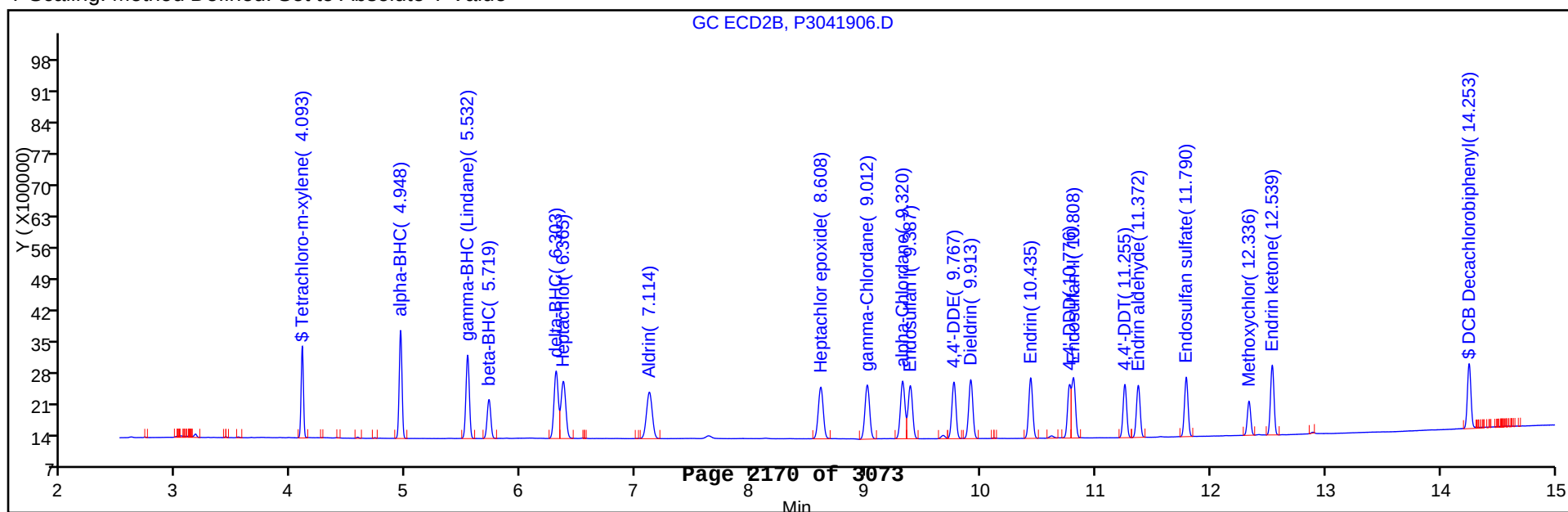
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22852-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MRL 240-82685/6

Matrix: Solid Lab File ID: P3041906.D

Analysis Method: 8081/DOD Date Collected: _____

Extraction Method: _____ Date Extracted: _____

Sample wt/vol: 1(mL) Date Analyzed: 04/19/2013 12:05

Con. Extract Vol.: _____ Dilution Factor: 1

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

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

Analysis Batch No.: 82685 Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	4,4'-DDD	0.00559		0.0050	0.0010	0.00096
72-55-9	4,4'-DDE	0.00522		0.0050	0.0010	0.00097
50-29-3	4,4'-DDT	0.00667	^	0.0050	0.0030	0.0016
309-00-2	Aldrin	0.00550		0.0050	0.0010	0.00082
319-84-6	alpha-BHC	0.00535		0.0050	0.0010	0.00070
5103-71-9	alpha-Chlordane	0.00580		0.0050	0.0010	0.0014
319-85-7	beta-BHC	0.00654	^	0.0050	0.0010	0.00084
319-86-8	delta-BHC	0.00571		0.0050	0.0010	0.00087
60-57-1	Dieldrin	0.00562		0.0050	0.0010	0.00075
959-98-8	Endosulfan I	0.00611		0.0050	0.0010	0.0013
33213-65-9	Endosulfan II	0.00657	^	0.0050	0.0010	0.0012
1031-07-8	Endosulfan sulfate	0.00656	^	0.0050	0.0010	0.0011
72-20-8	Endrin	0.00606		0.0050	0.0010	0.0011
7421-93-4	Endrin aldehyde	0.00666	^	0.0050	0.0010	0.0011
53494-70-5	Endrin ketone	0.00665	^	0.0050	0.0010	0.00078
58-89-9	gamma-BHC (Lindane)	0.00574		0.0050	0.0010	0.00064
5103-74-2	gamma-Chlordane	0.00593		0.0050	0.0010	0.0012
76-44-8	Heptachlor	0.00640		0.0050	0.0010	0.00080
1024-57-3	Heptachlor epoxide	0.00605		0.0050	0.0010	0.00071
72-43-5	Methoxychlor	0.00788	J ^	0.010	0.0030	0.0032

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	131	Q	50-150
877-09-8	Tetrachloro-m-xylene	96		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP3\20130419-19054.b\P3041906.D
 Lims ID: MRL Client ID:
 Inject. Date: 19-Apr-2013 12:05:50 Dil. Factor: 1.0000
 Sample Type: MRL
 Sample ID: 240-0019054-006
 Misc. Info.:
 Operator: 402582 Instrument ID: A2HP3
 Injection Vol: 1.0 ul ALS Bottle#: 6
 Lims Batch ID: 82685 Lims Sample ID: 6
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCCChrom\ChromData\A2HP3\20130419-19054.b\PEST3.m
 Last Update: 20-Apr-2013 07:39:31 Calib Date: 16-Apr-2013 14:58:16
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP3\20130416-18914.b\P3041609.D
 Limit Group: GC 8081 D0D ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK028

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

\$ 29 Tetrachloro-m-xylene

1	100	3.490	3.490	0.000	5660169	0.005145			
2	100	4.093	4.092	0.001	2901912	0.004805			

RPD = 6.84

12 Diallate

1	100		3.751						
1	2		4.058						
2	100		4.331						
2	2		4.667						

1

24 Hexachlorobenzene

1	100		3.963						
2	100		4.709						

5 alpha-BHC

1	100	4.182	4.181	0.001	8354640	0.005145			
2	100	4.948	4.949	-0.001	4118324	0.005349			

RPD = 3.88

20 gamma-BHC (Lindane)

1	100	4.562	4.561	0.001	7768479	0.005338			
2	100	5.532	5.533	-0.001	3888190	0.005743			

RPD = 7.30

7 beta-BHC

1	100	4.695	4.695	0.000	3651597	0.005904			
2	100	5.719	5.719	0.000	1934184	0.006541			

RPD = 10.23

11 delta-BHC

1	100	4.910	4.910	0.000	7803060	0.005272			
2	100	6.303	6.304	-0.001	3970697	0.005708			

RPD = 7.95

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
8 Chlordane (technical)									1
1	100		5.071						
1	2		5.936						
1	3		7.176						
1	4		7.524						
2	100		6.031						
2	2		7.601						
2	3		8.985						
2	4		9.294						
22 Heptachlor									
1	100	5.195	5.194	0.001	7878470	0.006117			
2	100	6.365	6.366	-0.001	3731787	0.006401			
						RPD = 4.55			
4 Aldrin									
1	100	5.645	5.644	0.001	7137164	0.005248			
2	100	7.114	7.115	-0.001	3663446	0.005500			
						RPD = 4.69			
25 Isodrin									
1	100		6.228						
2	100		8.129						
23 Heptachlor epoxide									
1	100	6.873	6.870	0.003	7114713	0.005784			
2	100	8.608	8.607	0.001	3519463	0.006054			
						RPD = 4.56			
21 gamma-Chlordane									
1	100	7.173	7.172	0.001	7049094	0.005579			
2	100	9.012	9.012	0.000	3478002	0.005929			
						RPD = 6.08			
6 alpha-Chlordane									
1	100	7.523	7.520	0.003	7204124	0.005586			
2	100	9.320	9.322	-0.002	3537479	0.005796			
						RPD = 3.69			
14 Endosulfan I									
1	100	7.796	7.795	0.001	6775982	0.005879			
2	100	9.387	9.388	-0.001	3246888	0.006111			
						RPD = 3.87			
2 4,4'-DDE									
1	100	7.896	7.897	-0.001	6691400	0.005283			
2	100	9.767	9.766	0.001	3180547	0.005215			
						RPD = 1.30			
28 Mirex									1
1	100		8.279						
2	100		9.197						
13 Dieldrin									
1	100	8.359	8.357	0.002	6796684	0.005358			
2	100	9.913	9.914	-0.001	3340082	0.005619			
						RPD = 4.76			
17 Endrin									
1	100	8.816	8.816	0.000	6700483	0.005635			
2	100	10.435	10.435	0.000	3249440	0.006065			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
26 Kepone									1
1	100		8.885						
2	100		10.592						
1 4,4'-DDD									
1	100	9.181	9.182	-0.001	5232701	0.005393			
2	100	10.776	10.775	0.001	2390862	0.005592			
RPD = 3.63									
15 Endosulfan II									
1	100	9.269	9.268	0.001	6247036	0.005707			
2	100	10.808	10.807	0.001	3189342	0.006570			
RPD = 14.05									
9 Chlorobenzilate									1
1	100		9.275						
2	100		10.585						
3 4,4'-DDT									
1	100	9.709	9.706	0.003	5987496	0.006493			
2	100	11.255	11.256	-0.001	2638187	0.006670			
RPD = 2.69									
18 Endrin aldehyde									
1	100	10.073	10.070	0.003	5383114	0.006112			
2	100	11.372	11.374	-0.002	2632359	0.006663			
RPD = 8.62									
30 Toxaphene									1
1	1		10.259						
1	2		10.607						
1	3		10.756						
1	4		11.175						
1	5		11.442						
2	100		10.333						
2	2		10.932						
2	3		11.354						
2	4		12.094						
2	5		12.655						
27 Methoxychlor									
1	100	10.670	10.667	0.003	3563183	0.007722			
2	100	12.336	12.336	0.000	1573091	0.007884			
RPD = 2.08									
16 Endosulfan sulfate									
1	100	10.803	10.800	0.003	5860034	0.005973			
2	100	11.790	11.791	-0.001	2901498	0.006561			
RPD = 9.38									
19 Endrin ketone									
1	100	11.204	11.201	0.003	6922278	0.006048			
2	100	12.539	12.539	0.000	3334238	0.006648			
RPD = 9.46									
\$ 10 DCB Decachlorobiphenyl									
1	100	12.825	12.824	0.001	5976147	0.006224			
2	100	14.253	14.253	0.000	3155810	0.006565			
RPD = 5.34									

QC Flag Legend

Processing Flags

1 - Missing Peaks

Report Date: 20-Apr-2013 07:39:32

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP3\20130419-19054.b\P3041906.D

Injection Date: 19-Apr-2013 12:05:50

Limit Group: GC 8081 D0D ICAL

Client ID:

Instrument ID: A2HP3

Lims Batch ID: 82685

Lims Sample ID: 6

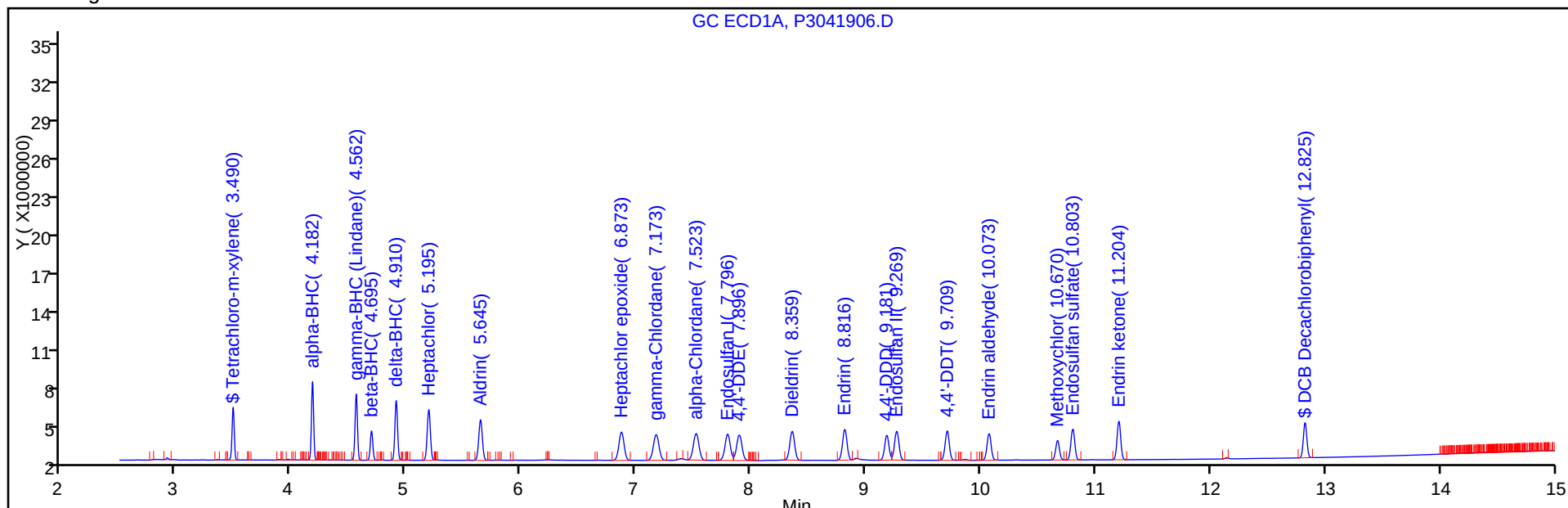
Operator ID: 402582

Injection Vol: 1.0 ul

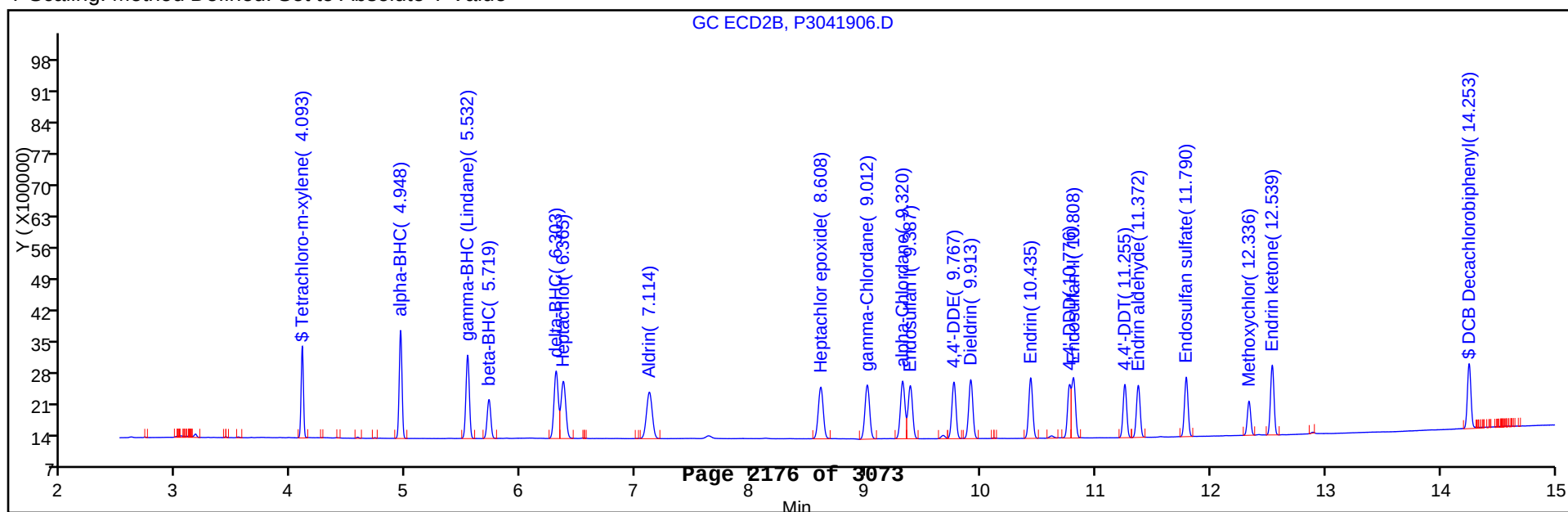
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22852-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MRL 240-82685/41
 Matrix: Solid Lab File ID: P3041920.D
 Analysis Method: 8081/DOD Date Collected: _____
 Extraction Method: _____ Date Extracted: _____
 Sample wt/vol: 1(mL) Date Analyzed: 04/19/2013 17:18
 Con. Extract Vol.: 1.0(mL) Dilution Factor: 1
 Injection Volume: 1(uL) GC Column: CLP-1 ID: 0.53(mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 82685 Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	4,4'-DDD	0.00619		0.0050	0.0010	0.00096
72-55-9	4,4'-DDE	0.00512		0.0050	0.0010	0.00097
50-29-3	4,4'-DDT	0.00409	J	0.0050	0.0030	0.0016
309-00-2	Aldrin	0.00518		0.0050	0.0010	0.00082
319-84-6	alpha-BHC	0.00494	J	0.0050	0.0010	0.00070
5103-71-9	alpha-Chlordane	0.00564		0.0050	0.0010	0.0014
319-85-7	beta-BHC	0.00580		0.0050	0.0010	0.00084
319-86-8	delta-BHC	0.00513		0.0050	0.0010	0.00087
60-57-1	Dieldrin	0.00533		0.0050	0.0010	0.00075
959-98-8	Endosulfan I	0.00575		0.0050	0.0010	0.0013
33213-65-9	Endosulfan II	0.00569		0.0050	0.0010	0.0012
1031-07-8	Endosulfan sulfate	0.00579		0.0050	0.0010	0.0011
72-20-8	Endrin	0.00565		0.0050	0.0010	0.0011
7421-93-4	Endrin aldehyde	0.00582		0.0050	0.0010	0.0011
53494-70-5	Endrin ketone	0.00541		0.0050	0.0010	0.00078
58-89-9	gamma-BHC (Lindane)	0.00514		0.0050	0.0010	0.00064
5103-74-2	gamma-Chlordane	0.00552		0.0050	0.0010	0.0012
76-44-8	Heptachlor	0.00577		0.0050	0.0010	0.00080
1024-57-3	Heptachlor epoxide	0.00566		0.0050	0.0010	0.00071
72-43-5	Methoxychlor	0.00543	J	0.010	0.0030	0.0032

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	120		50-150
877-09-8	Tetrachloro-m-xylene	102		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP3\20130419-19054.b\P3041920.D
 Lims ID: MRL Client ID:
 Inject. Date: 19-Apr-2013 17:18:24 Dil. Factor: 1.0000
 Sample Type: MRL
 Sample ID: 240-0019054-006
 Misc. Info.:
 Operator: 402582 Instrument ID: A2HP3
 Injection Vol: 1.0 ul ALS Bottle#: 41
 Lims Batch ID: 82685 Lims Sample ID: 41
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCCChrom\ChromData\A2HP3\20130419-19054.b\PEST3.m
 Last Update: 27-Apr-2013 09:51:36 Calib Date: 16-Apr-2013 14:58:16
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP3\20130416-18914.b\P3041609.D
 Limit Group: GC 8081 D0D ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK012

First Level Reviewer: vandorenc

Date: 27-Apr-2013 09:51:36

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

\$ 29 Tetrachloro-m-xylene

1	100	3.482	3.481	0.001	5597334	0.005088			
2	100	4.075	4.076	-0.001	2867401	0.004748			

RPD = 6.92

12 Diallate

1	100		3.751						
1	2		4.058						
2	100		4.331						
2	2		4.667						

24 Hexachlorobenzene

1	100		3.954						
2	100		4.688						

5 alpha-BHC

1	100	4.173	4.172	0.001	8026615	0.004943			
2	100	4.926	4.926	0.000	4011488	0.005210			

RPD = 5.26

20 gamma-BHC (Lindane)

1	100	4.554	4.552	0.002	7486530	0.005145			
2	100	5.506	5.506	0.000	3751550	0.005541			

RPD = 7.42

7 beta-BHC

1	100	4.687	4.686	0.001	3585184	0.005797			
2	100	5.690	5.691	-0.001	1897242	0.006416			

RPD = 10.14

11 delta-BHC

1	100	4.903	4.902	0.001	7586074	0.005125			
2	100	6.273	6.271	0.002	3847259	0.005531			

RPD = 7.61

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
8 Chlordane (technical)									
1	100		5.071						
1	2		5.936						
1	3		7.176						
1	4		7.524						
2	100		6.031						
2	2		7.601						
2	3		8.985						
2	4		9.294						
22 Heptachlor									
1	100	5.187	5.187	0.000	7428657	0.005767			
2	100	6.335	6.335	0.000	3533722	0.006062			
							RPD = 4.98		
4 Aldrin									
1	100	5.640	5.641	-0.001	7042430	0.005178			
2	100	7.080	7.080	0.000	3615699	0.005428			
							RPD = 4.71		
25 Isodrin									
1	100		6.227						
2	100		8.099						
23 Heptachlor epoxide									
1	100	6.875	6.876	-0.001	6967330	0.005665			
2	100	8.580	8.580	0.000	3428781	0.005898			
							RPD = 4.04		
21 gamma-Chlordane									
1	100	7.181	7.181	0.000	6975473	0.005521			
2	100	8.985	8.986	-0.001	3392669	0.005784			
							RPD = 4.65		
6 alpha-Chlordane									
1	100	7.531	7.531	0.000	7270786	0.005638			
2	100	9.295	9.296	-0.001	3479364	0.005701			
							RPD = 1.12		
14 Endosulfan I									
1	100	7.805	7.804	0.001	6623802	0.005747			
2	100	9.363	9.362	0.001	3170172	0.005967			
							RPD = 3.75		
2 4,4'-DDE									
1	100	7.908	7.906	0.002	6487242	0.005122			
2	100	9.742	9.742	0.000	3099774	0.005083			
							RPD = 0.77		
28 Mirex									
1	100		8.279						
2	100		9.197						
13 Dieldrin									
1	100	8.368	8.364	0.004	6760577	0.005330			
2	100	9.890	9.889	0.001	3255311	0.005477			
							RPD = 2.72		
17 Endrin									
1	100	8.823	8.821	0.002	6713264	0.005645			
2	100	10.412	10.412	0.000	3142521	0.005865			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
26 Kepone									
1	100		8.890						
2	100		10.569						
1 4,4'-DDD									
1	100	9.189	9.186	0.003	6006639	0.006190			
2	100	10.749	10.751	-0.002	2756985	0.006448			
						RPD = 4.08			
15 Endosulfan II									
1	100	9.273	9.273	0.000	6232709	0.005694			
2	100	10.783	10.784	-0.001	3095445	0.006376			
						RPD = 11.30			
9 Chlorobenzilate									
1	100		9.275						
2	100		10.585						
3 4,4'-DDT									
1	100	9.710	9.711	-0.001	3771548	0.004090			
2	100	11.231	11.232	-0.001	1675750	0.004237			
						RPD = 3.53			
18 Endrin aldehyde									
1	100	10.073	10.075	-0.002	5128214	0.005823			
2	100	11.347	11.350	-0.003	2513177	0.006361			
						RPD = 8.84			
30 Toxaphene									
1	1		10.263						
1	2		10.612						
1	3		10.761						
1	4		11.182						
1	5		11.457						
2	100		10.335						
2	2		10.928						
2	3		11.349						
2	4		12.090						
2	5		12.649						
27 Methoxychlor									
1	100	10.676	10.672	0.004	2504054	0.005427			
2	100	12.311	12.314	-0.003	1093044	0.005478			
						RPD = 0.95			
16 Endosulfan sulfate									
1	100	10.811	10.804	0.007	5677160	0.005787			
2	100	11.764	11.766	-0.002	2821322	0.006380			
						RPD = 9.75			
19 Endrin ketone									
1	100	11.213	11.206	0.007	6193274	0.005411			
2	100	12.513	12.516	-0.003	2944488	0.005871			
						RPD = 8.16			
\$ 10 DCB Decachlorobiphenyl									
1	100	12.853	12.850	0.003	5770469	0.006009			
2	100	14.227	14.229	-0.002	2995126	0.006231			
						RPD = 3.62			

Report Date: 27-Apr-2013 09:51:36

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP3\20130419-19054.b\P3041920.D

Injection Date: 19-Apr-2013 17:18:24

Limit Group: GC 8081 D0D ICAL

Client ID:

Instrument ID: A2HP3

Lims Batch ID: 82685

Lims Sample ID: 41

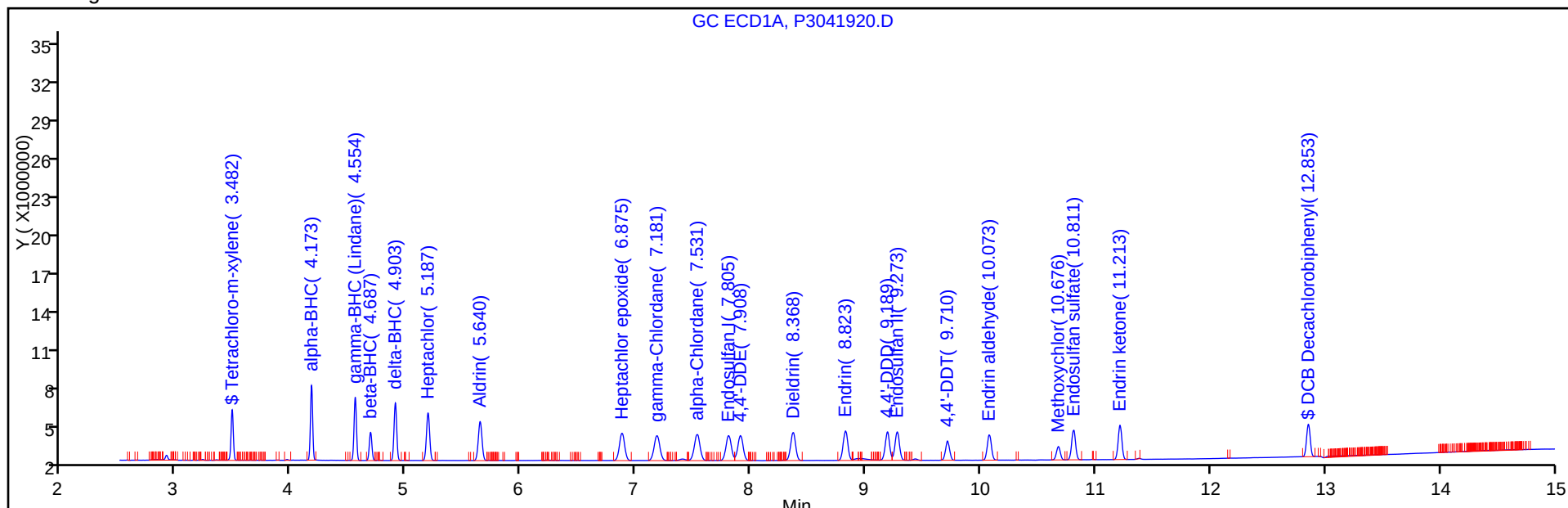
Operator ID: 402582

Injection Vol: 1.0 ul

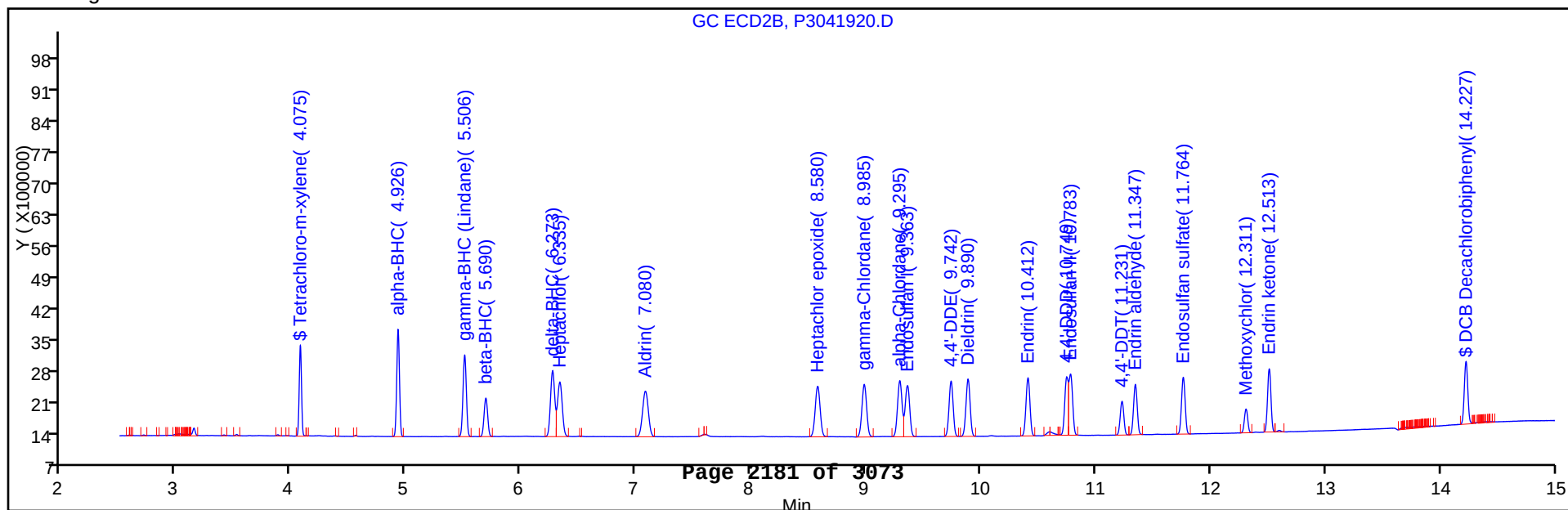
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22852-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MRL 240-82685/41
 Matrix: Solid Lab File ID: P3041920.D
 Analysis Method: 8081/DOD Date Collected: _____
 Extraction Method: _____ Date Extracted: _____
 Sample wt/vol: 1(mL) Date Analyzed: 04/19/2013 17:18
 Con. Extract Vol.: 1.0(mL) Dilution Factor: 1
 Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 82685 Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	4,4'-DDD	0.00645		0.0050	0.0010	0.00096
72-55-9	4,4'-DDE	0.00508		0.0050	0.0010	0.00097
50-29-3	4,4'-DDT	0.00424	J	0.0050	0.0030	0.0016
309-00-2	Aldrin	0.00543		0.0050	0.0010	0.00082
319-84-6	alpha-BHC	0.00521		0.0050	0.0010	0.00070
5103-71-9	alpha-Chlordane	0.00570		0.0050	0.0010	0.0014
319-85-7	beta-BHC	0.00642		0.0050	0.0010	0.00084
319-86-8	delta-BHC	0.00553		0.0050	0.0010	0.00087
60-57-1	Dieldrin	0.00548		0.0050	0.0010	0.00075
959-98-8	Endosulfan I	0.00597		0.0050	0.0010	0.0013
33213-65-9	Endosulfan II	0.00638		0.0050	0.0010	0.0012
1031-07-8	Endosulfan sulfate	0.00638		0.0050	0.0010	0.0011
72-20-8	Endrin	0.00587		0.0050	0.0010	0.0011
7421-93-4	Endrin aldehyde	0.00636		0.0050	0.0010	0.0011
53494-70-5	Endrin ketone	0.00587		0.0050	0.0010	0.00078
58-89-9	gamma-BHC (Lindane)	0.00554		0.0050	0.0010	0.00064
5103-74-2	gamma-Chlordane	0.00578		0.0050	0.0010	0.0012
76-44-8	Heptachlor	0.00606		0.0050	0.0010	0.00080
1024-57-3	Heptachlor epoxide	0.00590		0.0050	0.0010	0.00071
72-43-5	Methoxychlor	0.00548	J	0.010	0.0030	0.0032

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	125		50-150
877-09-8	Tetrachloro-m-xylene	95		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP3\20130419-19054.b\P3041920.D
 Lims ID: MRL Client ID:
 Inject. Date: 19-Apr-2013 17:18:24 Dil. Factor: 1.0000
 Sample Type: MRL
 Sample ID: 240-0019054-006
 Misc. Info.:
 Operator: 402582 Instrument ID: A2HP3
 Injection Vol: 1.0 ul ALS Bottle#: 41
 Lims Batch ID: 82685 Lims Sample ID: 41
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCCChrom\ChromData\A2HP3\20130419-19054.b\PEST3.m
 Last Update: 27-Apr-2013 09:51:36 Calib Date: 16-Apr-2013 14:58:16
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP3\20130416-18914.b\P3041609.D
 Limit Group: GC 8081 D0D ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK012

First Level Reviewer: vandorenc

Date: 27-Apr-2013 09:51:36

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

\$ 29 Tetrachloro-m-xylene

1	100	3.482	3.481	0.001	5597334	0.005088			
2	100	4.075	4.076	-0.001	2867401	0.004748			

RPD = 6.92

12 Diallate

1	100		3.751						
1	2		4.058						
2	100		4.331						
2	2		4.667						

24 Hexachlorobenzene

1	100		3.954						
2	100		4.688						

5 alpha-BHC

1	100	4.173	4.172	0.001	8026615	0.004943			
2	100	4.926	4.926	0.000	4011488	0.005210			

RPD = 5.26

20 gamma-BHC (Lindane)

1	100	4.554	4.552	0.002	7486530	0.005145			
2	100	5.506	5.506	0.000	3751550	0.005541			

RPD = 7.42

7 beta-BHC

1	100	4.687	4.686	0.001	3585184	0.005797			
2	100	5.690	5.691	-0.001	1897242	0.006416			

RPD = 10.14

11 delta-BHC

1	100	4.903	4.902	0.001	7586074	0.005125			
2	100	6.273	6.271	0.002	3847259	0.005531			

RPD = 7.61

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
8 Chlordane (technical)									
1	100		5.071						
1	2		5.936						
1	3		7.176						
1	4		7.524						
2	100		6.031						
2	2		7.601						
2	3		8.985						
2	4		9.294						
22 Heptachlor									
1	100	5.187	5.187	0.000	7428657	0.005767			
2	100	6.335	6.335	0.000	3533722	0.006062			
							RPD = 4.98		
4 Aldrin									
1	100	5.640	5.641	-0.001	7042430	0.005178			
2	100	7.080	7.080	0.000	3615699	0.005428			
							RPD = 4.71		
25 Isodrin									
1	100		6.227						
2	100		8.099						
23 Heptachlor epoxide									
1	100	6.875	6.876	-0.001	6967330	0.005665			
2	100	8.580	8.580	0.000	3428781	0.005898			
							RPD = 4.04		
21 gamma-Chlordane									
1	100	7.181	7.181	0.000	6975473	0.005521			
2	100	8.985	8.986	-0.001	3392669	0.005784			
							RPD = 4.65		
6 alpha-Chlordane									
1	100	7.531	7.531	0.000	7270786	0.005638			
2	100	9.295	9.296	-0.001	3479364	0.005701			
							RPD = 1.12		
14 Endosulfan I									
1	100	7.805	7.804	0.001	6623802	0.005747			
2	100	9.363	9.362	0.001	3170172	0.005967			
							RPD = 3.75		
2 4,4'-DDE									
1	100	7.908	7.906	0.002	6487242	0.005122			
2	100	9.742	9.742	0.000	3099774	0.005083			
							RPD = 0.77		
28 Mirex									
1	100		8.279						
2	100		9.197						
13 Dieldrin									
1	100	8.368	8.364	0.004	6760577	0.005330			
2	100	9.890	9.889	0.001	3255311	0.005477			
							RPD = 2.72		
17 Endrin									
1	100	8.823	8.821	0.002	6713264	0.005645			
2	100	10.412	10.412	0.000	3142521	0.005865			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
26 Kepone									
1	100		8.890						
2	100		10.569						
1 4,4'-DDD									
1	100	9.189	9.186	0.003	6006639	0.006190			
2	100	10.749	10.751	-0.002	2756985	0.006448			
						RPD = 4.08			
15 Endosulfan II									
1	100	9.273	9.273	0.000	6232709	0.005694			
2	100	10.783	10.784	-0.001	3095445	0.006376			
						RPD = 11.30			
9 Chlorobenzilate									
1	100		9.275						
2	100		10.585						
3 4,4'-DDT									
1	100	9.710	9.711	-0.001	3771548	0.004090			
2	100	11.231	11.232	-0.001	1675750	0.004237			
						RPD = 3.53			
18 Endrin aldehyde									
1	100	10.073	10.075	-0.002	5128214	0.005823			
2	100	11.347	11.350	-0.003	2513177	0.006361			
						RPD = 8.84			
30 Toxaphene									
1	1		10.263						
1	2		10.612						
1	3		10.761						
1	4		11.182						
1	5		11.457						
2	100		10.335						
2	2		10.928						
2	3		11.349						
2	4		12.090						
2	5		12.649						
27 Methoxychlor									
1	100	10.676	10.672	0.004	2504054	0.005427			
2	100	12.311	12.314	-0.003	1093044	0.005478			
						RPD = 0.95			
16 Endosulfan sulfate									
1	100	10.811	10.804	0.007	5677160	0.005787			
2	100	11.764	11.766	-0.002	2821322	0.006380			
						RPD = 9.75			
19 Endrin ketone									
1	100	11.213	11.206	0.007	6193274	0.005411			
2	100	12.513	12.516	-0.003	2944488	0.005871			
						RPD = 8.16			
\$ 10 DCB Decachlorobiphenyl									
1	100	12.853	12.850	0.003	5770469	0.006009			
2	100	14.227	14.229	-0.002	2995126	0.006231			
						RPD = 3.62			

Report Date: 27-Apr-2013 09:51:36

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP3\20130419-19054.b\P3041920.D

Injection Date: 19-Apr-2013 17:18:24

Limit Group: GC 8081 D0D ICAL

Client ID:

Instrument ID: A2HP3

Lims Batch ID: 82685

Lims Sample ID: 41

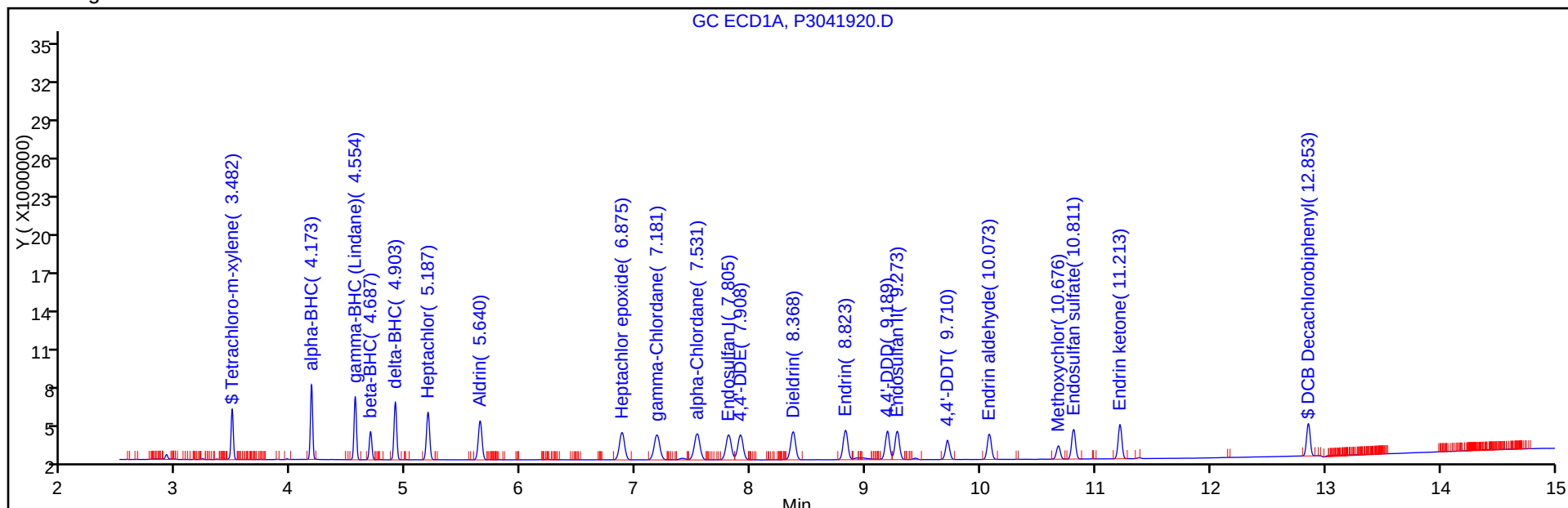
Operator ID: 402582

Injection Vol: 1.0 ul

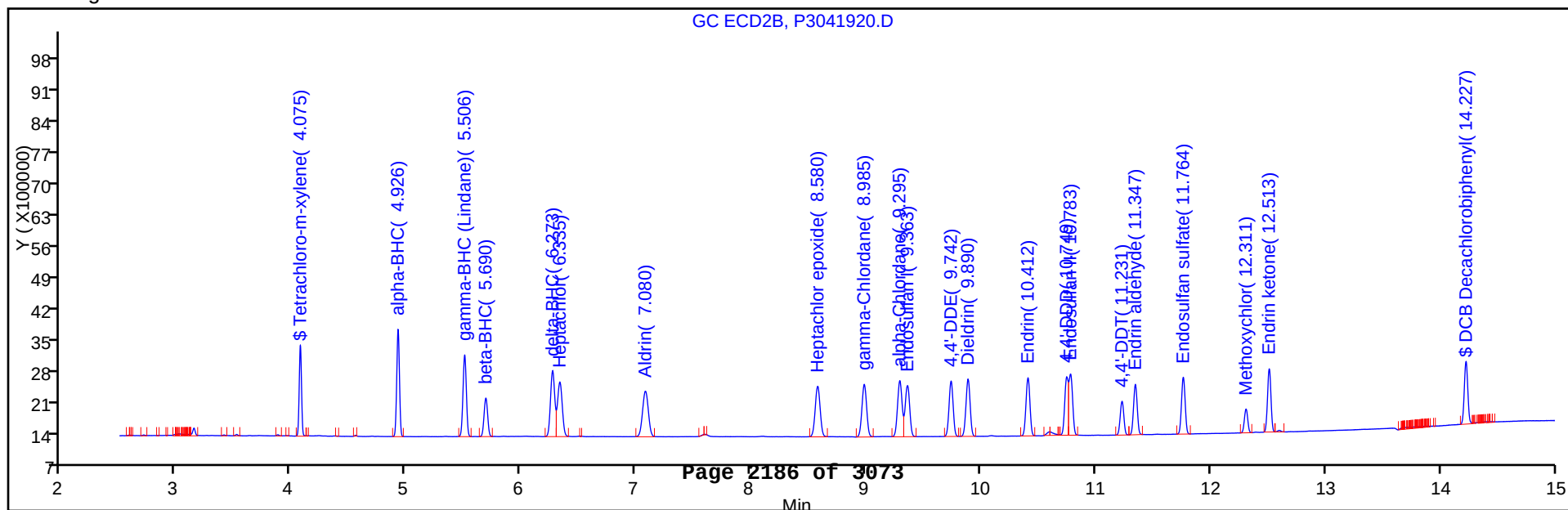
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22852-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MRL 240-82857/6
 Matrix: Solid Lab File ID: P3042006.D
 Analysis Method: 8081/DOD Date Collected: _____
 Extraction Method: _____ Date Extracted: _____
 Sample wt/vol: 1(mL) Date Analyzed: 04/20/2013 14:42
 Con. Extract Vol.: _____ Dilution Factor: 1
 Injection Volume: 1(uL) GC Column: CLP-1 ID: 0.53(mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 82857 Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	4,4'-DDD	0.00381	J	0.0050	0.0010	0.00096
72-55-9	4,4'-DDE	0.00451	J	0.0050	0.0010	0.00097
50-29-3	4,4'-DDT	0.00396	J	0.0050	0.0030	0.0016
309-00-2	Aldrin	0.00431	J	0.0050	0.0010	0.00082
319-84-6	alpha-BHC	0.00405	J	0.0050	0.0010	0.00070
5103-71-9	alpha-Chlordane	0.00447	J	0.0050	0.0010	0.0014
319-85-7	beta-BHC	0.00463	J	0.0050	0.0010	0.00084
319-86-8	delta-BHC	0.00387	J	0.0050	0.0010	0.00087
60-57-1	Dieldrin	0.00419	J	0.0050	0.0010	0.00075
959-98-8	Endosulfan I	0.00428	J	0.0050	0.0010	0.0013
33213-65-9	Endosulfan II	0.00409	J	0.0050	0.0010	0.0012
1031-07-8	Endosulfan sulfate	0.00445	J	0.0050	0.0010	0.0011
72-20-8	Endrin	0.00407	J	0.0050	0.0010	0.0011
7421-93-4	Endrin aldehyde	0.00402	J	0.0050	0.0010	0.0011
53494-70-5	Endrin ketone	0.00403	J	0.0050	0.0010	0.00078
58-89-9	gamma-BHC (Lindane)	0.00393	J	0.0050	0.0010	0.00064
5103-74-2	gamma-Chlordane	0.00419	J	0.0050	0.0010	0.0012
76-44-8	Heptachlor	0.00406	J	0.0050	0.0010	0.00080
1024-57-3	Heptachlor epoxide	0.00440	J	0.0050	0.0010	0.00071
72-43-5	Methoxychlor	0.00458	J	0.010	0.0030	0.0032
8001-35-2	Toxaphene	0.050	U	0.20	0.050	0.032

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	113		50-150
877-09-8	Tetrachloro-m-xylene	99		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP3\20130420-19105.b\P3042006.D
 Lims ID: MRL Client ID:
 Inject. Date: 20-Apr-2013 14:42:44 Dil. Factor: 1.0000
 Sample Type: MRL
 Sample ID: 240-0019105-006
 Misc. Info.:
 Operator: 402582 Instrument ID: A2HP3
 Injection Vol: 1.0 ul ALS Bottle#: 6
 Lims Batch ID: 82857 Lims Sample ID: 6
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCCChrom\ChromData\A2HP3\20130420-19105.b\PEST3.m
 Last Update: 22-Apr-2013 10:30:54 Calib Date: 16-Apr-2013 14:58:16
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP3\20130416-18914.b\P3041609.D
 Limit Group: GC 8081 D0D ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK028

First Level Reviewer: shockr

Date: 22-Apr-2013 09:21:45

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

\$ 29 Tetrachloro-m-xylene

1	100	3.475	3.474	0.001	5426238	0.004932			
2	100	4.071	4.070	0.001	2794932	0.004628			

RPD = 6.37

12 Diallate

1	100		3.751						
1	2		4.058						
2	100		4.331						
2	2		4.667						

24 Hexachlorobenzene

1	100		3.954						
2	100		4.688						

5 alpha-BHC

1	100	4.165	4.164	0.001	6577284	0.004051			
2	100	4.925	4.924	0.001	3255225	0.004228			

RPD = 4.28

20 gamma-BHC (Lindane)

1	100	4.542	4.541	0.001	5714941	0.003927			
2	100	5.506	5.506	0.000	2887715	0.004265			

RPD = 8.25

7 beta-BHC

1	100	4.675	4.674	0.001	2861732	0.004627			
2	100	5.692	5.692	0.000	1509217	0.005104			

RPD = 9.80

11 delta-BHC

1	100	4.888	4.887	0.001	5734551	0.003874			
2	100	6.275	6.275	0.000	2959923	0.004255			

RPD = 9.37

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
8 Chlordane (technical)									1
1	100		5.054						
1	2		5.907						
1	3		7.134						
1	4		7.477						
2	100		6.030						
2	2		7.602						
2	3		8.985						
2	4		9.293						
22 Heptachlor									
1	100	5.170	5.169	0.001	5228992	0.004060			
2	100	6.336	6.337	-0.001	2498322	0.004286			
						RPD = 5.41			
4 Aldrin									
1	100	5.618	5.616	0.002	5866528	0.004314			
2	100	7.083	7.084	-0.001	2975998	0.004468			
						RPD = 3.51			
25 Isodrin									
1	100		6.227						
2	100		8.099						
23 Heptachlor epoxide									
1	100	6.839	6.835	0.004	5414676	0.004402			
2	100	8.581	8.584	-0.003	2672295	0.004597			
						RPD = 4.33			
21 gamma-Chlordane									
1	100	7.140	7.138	0.002	5298815	0.004194			
2	100	8.986	8.988	-0.002	2628903	0.004482			
						RPD = 6.63			
6 alpha-Chlordane									
1	100	7.486	7.486	0.000	5761894	0.004468			
2	100	9.296	9.297	-0.001	2776201	0.004549			
						RPD = 1.80			
14 Endosulfan I									
1	100	7.763	7.763	0.000	4934327	0.004281			
2	100	9.362	9.364	-0.002	2324737	0.004375			
						RPD = 2.18			
2 4,4'-DDE									
1	100	7.866	7.866	0.000	5714521	0.004512			
2	100	9.744	9.744	0.000	2679032	0.004393			
						RPD = 2.68			
28 Mirex									
1	100		8.279						
2	100		9.197						
13 Dieldrin									
1	100	8.329	8.326	0.003	5310314	0.004187			
2	100	9.890	9.892	-0.002	2547560	0.004286			
						RPD = 2.35			
17 Endrin									
1	100	8.787	8.785	0.002	4840639	0.004071			
2	100	10.413	10.414	-0.001	2296065	0.004285			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
26 Kepone									
1	100		8.890						
2	100		10.569						
1 4,4'-DDD									
1	100	9.153	9.153	0.000	3692236	0.003805			
2	100	10.755	10.754	0.001	1637150	0.003829			
						RPD = 0.63			
15 Endosulfan II									
1	100	9.240	9.238	0.002	4475399	0.004089			
2	100	10.785	10.785	0.000	2287362	0.004712			
						RPD = 14.16			
9 Chlorobenzilate									
1	100		9.275						
2	100		10.585						
3 4,4'-DDT									
1	100	9.677	9.677	0.000	3650606	0.003959			
2	100	11.235	11.236	-0.001	1639613	0.004145			
						RPD = 4.61			
18 Endrin aldehyde									
1	100	10.043	10.041	0.002	3539950	0.004019			
2	100	11.351	11.354	-0.003	1726217	0.004369			
						RPD = 8.34			
30 Toxaphene									
1	1		10.230						
1	2		10.573						
1	3		10.724						
1	4		11.144						
1	5		11.411						
2	100		10.337						
2	2		10.929						
2	3		11.357						
2	4		12.097						
2	5		12.658						
27 Methoxychlor									
1	100	10.640	10.640	0.000	2111641	0.004576			
2	100	12.321	12.321	0.000	934773	0.004685			
						RPD = 2.35			
16 Endosulfan sulfate									
1	100	10.774	10.772	0.002	4361329	0.004446			
2	100	11.771	11.772	-0.001	2115769	0.004784			
						RPD = 7.34			
19 Endrin ketone									
1	100	11.175	11.174	0.001	4608659	0.004026			
2	100	12.524	12.523	0.001	2232948	0.004452			
						RPD = 10.05			
\$ 10 DCB Decachlorobiphenyl									
1	100	12.795	12.794	0.001	5428410	0.005653			
2	100	14.245	14.245	0.000	2794966	0.005814			
						RPD = 2.81			

QC Flag Legend

Processing Flags

1 - Missing Peaks

Report Date: 22-Apr-2013 10:30:55

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP3\20130420-19105.b\P3042006.D

Injection Date: 20-Apr-2013 14:42:44

Limit Group: GC 8081 D0D ICAL

Client ID:

Instrument ID: A2HP3

Lims Batch ID: 82857

Lims Sample ID: 6

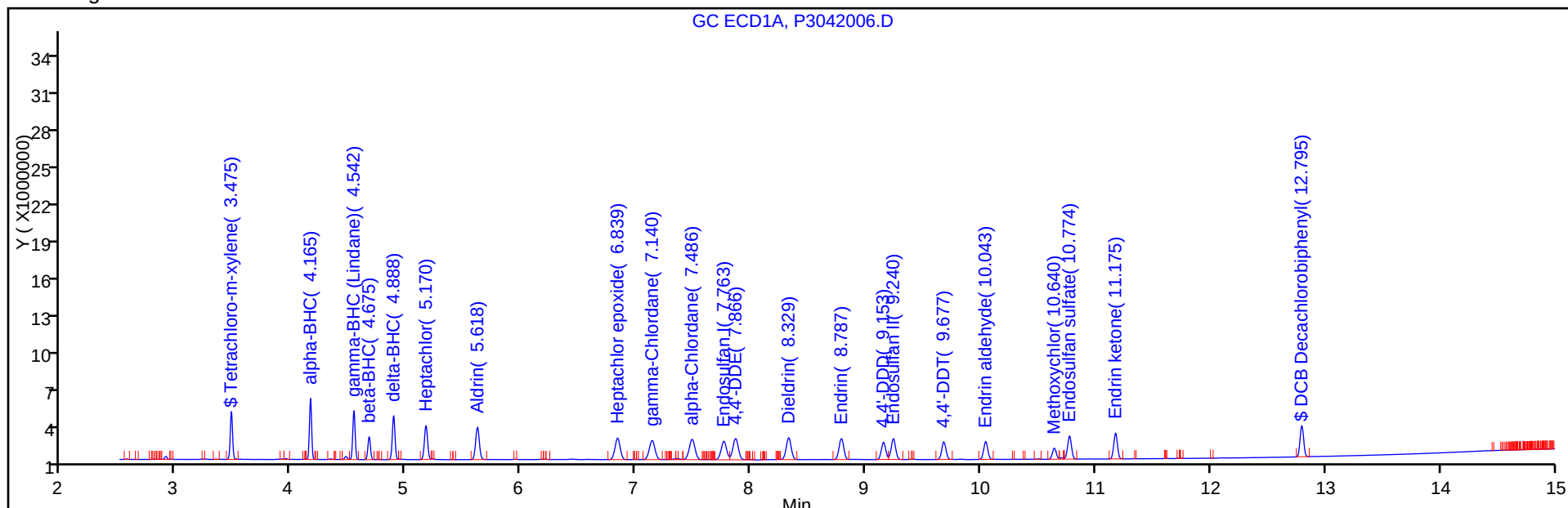
Operator ID: 402582

Injection Vol: 1.0 ul

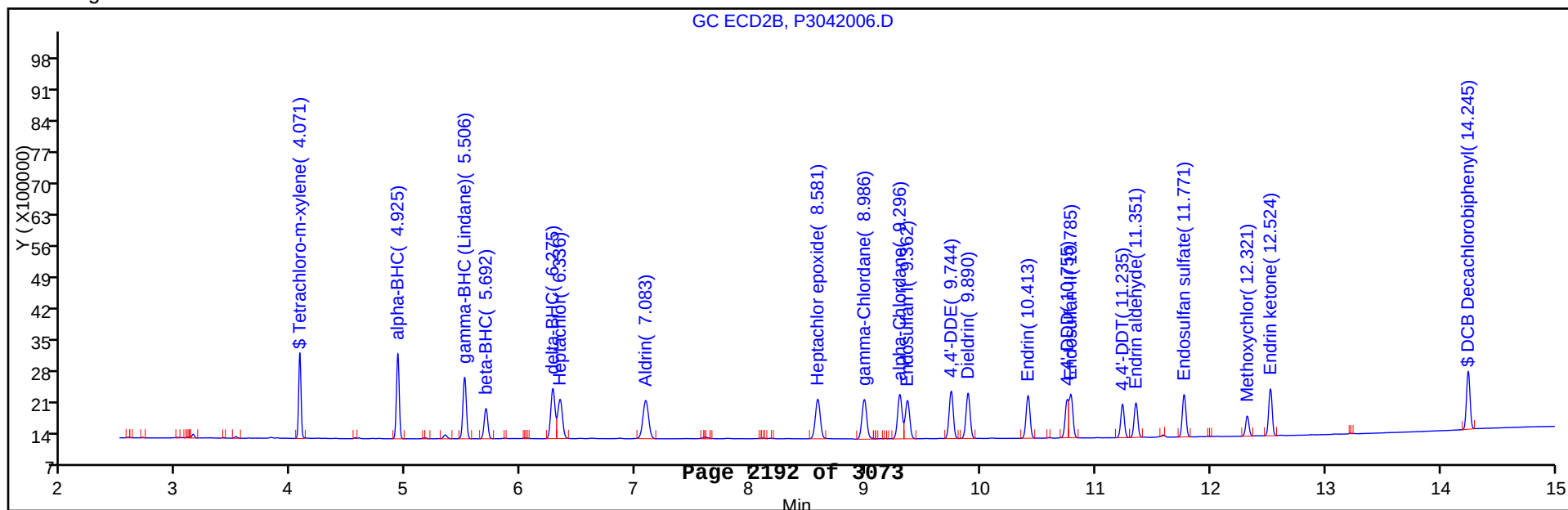
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22852-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MRL 240-82857/6

Matrix: Solid Lab File ID: P3042006.D

Analysis Method: 8081/DOD Date Collected: _____

Extraction Method: _____ Date Extracted: _____

Sample wt/vol: 1(mL) Date Analyzed: 04/20/2013 14:42

Con. Extract Vol.: _____ Dilution Factor: 1

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

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

Analysis Batch No.: 82857 Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	4,4'-DDD	0.00383	J	0.0050	0.0010	0.00096
72-55-9	4,4'-DDE	0.00439	J	0.0050	0.0010	0.00097
50-29-3	4,4'-DDT	0.00415	J	0.0050	0.0030	0.0016
309-00-2	Aldrin	0.00447	J	0.0050	0.0010	0.00082
319-84-6	alpha-BHC	0.00423	J	0.0050	0.0010	0.00070
5103-71-9	alpha-Chlordane	0.00455	J	0.0050	0.0010	0.0014
319-85-7	beta-BHC	0.00510		0.0050	0.0010	0.00084
319-86-8	delta-BHC	0.00426	J	0.0050	0.0010	0.00087
60-57-1	Dieldrin	0.00429	J	0.0050	0.0010	0.00075
959-98-8	Endosulfan I	0.00438	J	0.0050	0.0010	0.0013
33213-65-9	Endosulfan II	0.00471	J	0.0050	0.0010	0.0012
1031-07-8	Endosulfan sulfate	0.00478	J	0.0050	0.0010	0.0011
72-20-8	Endrin	0.00429	J	0.0050	0.0010	0.0011
7421-93-4	Endrin aldehyde	0.00437	J	0.0050	0.0010	0.0011
53494-70-5	Endrin ketone	0.00445	J	0.0050	0.0010	0.00078
58-89-9	gamma-BHC (Lindane)	0.00427	J	0.0050	0.0010	0.00064
5103-74-2	gamma-Chlordane	0.00448	J	0.0050	0.0010	0.0012
76-44-8	Heptachlor	0.00429	J	0.0050	0.0010	0.00080
1024-57-3	Heptachlor epoxide	0.00460	J	0.0050	0.0010	0.00071
72-43-5	Methoxychlor	0.00469	J	0.010	0.0030	0.0032
8001-35-2	Toxaphene	0.050	U	0.20	0.050	0.032

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	116		50-150
877-09-8	Tetrachloro-m-xylene	93		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP3\20130420-19105.b\P3042006.D
 Lims ID: MRL Client ID:
 Inject. Date: 20-Apr-2013 14:42:44 Dil. Factor: 1.0000
 Sample Type: MRL
 Sample ID: 240-0019105-006
 Misc. Info.:
 Operator: 402582 Instrument ID: A2HP3
 Injection Vol: 1.0 ul ALS Bottle#: 6
 Lims Batch ID: 82857 Lims Sample ID: 6
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCCChrom\ChromData\A2HP3\20130420-19105.b\PEST3.m
 Last Update: 22-Apr-2013 10:30:54 Calib Date: 16-Apr-2013 14:58:16
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP3\20130416-18914.b\P3041609.D
 Limit Group: GC 8081 D0D ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK028

First Level Reviewer: shockr

Date: 22-Apr-2013 09:21:45

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

\$ 29 Tetrachloro-m-xylene

1	100	3.475	3.474	0.001	5426238	0.004932			
2	100	4.071	4.070	0.001	2794932	0.004628			

RPD = 6.37

12 Diallate

1	100		3.751						
1	2		4.058						
2	100		4.331						
2	2		4.667						

24 Hexachlorobenzene

1	100		3.954						
2	100		4.688						

5 alpha-BHC

1	100	4.165	4.164	0.001	6577284	0.004051			
2	100	4.925	4.924	0.001	3255225	0.004228			

RPD = 4.28

20 gamma-BHC (Lindane)

1	100	4.542	4.541	0.001	5714941	0.003927			
2	100	5.506	5.506	0.000	2887715	0.004265			

RPD = 8.25

7 beta-BHC

1	100	4.675	4.674	0.001	2861732	0.004627			
2	100	5.692	5.692	0.000	1509217	0.005104			

RPD = 9.80

11 delta-BHC

1	100	4.888	4.887	0.001	5734551	0.003874			
2	100	6.275	6.275	0.000	2959923	0.004255			

RPD = 9.37

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
8 Chlordane (technical)									1
1	100		5.054						
1	2		5.907						
1	3		7.134						
1	4		7.477						
2	100		6.030						
2	2		7.602						
2	3		8.985						
2	4		9.293						
22 Heptachlor									
1	100	5.170	5.169	0.001	5228992	0.004060			
2	100	6.336	6.337	-0.001	2498322	0.004286			
						RPD = 5.41			
4 Aldrin									
1	100	5.618	5.616	0.002	5866528	0.004314			
2	100	7.083	7.084	-0.001	2975998	0.004468			
						RPD = 3.51			
25 Isodrin									
1	100		6.227						
2	100		8.099						
23 Heptachlor epoxide									
1	100	6.839	6.835	0.004	5414676	0.004402			
2	100	8.581	8.584	-0.003	2672295	0.004597			
						RPD = 4.33			
21 gamma-Chlordane									
1	100	7.140	7.138	0.002	5298815	0.004194			
2	100	8.986	8.988	-0.002	2628903	0.004482			
						RPD = 6.63			
6 alpha-Chlordane									
1	100	7.486	7.486	0.000	5761894	0.004468			
2	100	9.296	9.297	-0.001	2776201	0.004549			
						RPD = 1.80			
14 Endosulfan I									
1	100	7.763	7.763	0.000	4934327	0.004281			
2	100	9.362	9.364	-0.002	2324737	0.004375			
						RPD = 2.18			
2 4,4'-DDE									
1	100	7.866	7.866	0.000	5714521	0.004512			
2	100	9.744	9.744	0.000	2679032	0.004393			
						RPD = 2.68			
28 Mirex									
1	100		8.279						
2	100		9.197						
13 Dieldrin									
1	100	8.329	8.326	0.003	5310314	0.004187			
2	100	9.890	9.892	-0.002	2547560	0.004286			
						RPD = 2.35			
17 Endrin									
1	100	8.787	8.785	0.002	4840639	0.004071			
2	100	10.413	10.414	-0.001	2296065	0.004285			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
26 Kepone									
1	100		8.890						
2	100		10.569						
1 4,4'-DDD									
1	100	9.153	9.153	0.000	3692236	0.003805			
2	100	10.755	10.754	0.001	1637150	0.003829			
						RPD = 0.63			
15 Endosulfan II									
1	100	9.240	9.238	0.002	4475399	0.004089			
2	100	10.785	10.785	0.000	2287362	0.004712			
						RPD = 14.16			
9 Chlorobenzilate									
1	100		9.275						
2	100		10.585						
3 4,4'-DDT									
1	100	9.677	9.677	0.000	3650606	0.003959			
2	100	11.235	11.236	-0.001	1639613	0.004145			
						RPD = 4.61			
18 Endrin aldehyde									
1	100	10.043	10.041	0.002	3539950	0.004019			
2	100	11.351	11.354	-0.003	1726217	0.004369			
						RPD = 8.34			
30 Toxaphene									
1	1		10.230						
1	2		10.573						
1	3		10.724						
1	4		11.144						
1	5		11.411						
2	100		10.337						
2	2		10.929						
2	3		11.357						
2	4		12.097						
2	5		12.658						
27 Methoxychlor									
1	100	10.640	10.640	0.000	2111641	0.004576			
2	100	12.321	12.321	0.000	934773	0.004685			
						RPD = 2.35			
16 Endosulfan sulfate									
1	100	10.774	10.772	0.002	4361329	0.004446			
2	100	11.771	11.772	-0.001	2115769	0.004784			
						RPD = 7.34			
19 Endrin ketone									
1	100	11.175	11.174	0.001	4608659	0.004026			
2	100	12.524	12.523	0.001	2232948	0.004452			
						RPD = 10.05			
\$ 10 DCB Decachlorobiphenyl									
1	100	12.795	12.794	0.001	5428410	0.005653			
2	100	14.245	14.245	0.000	2794966	0.005814			
						RPD = 2.81			

QC Flag Legend

Processing Flags

1 - Missing Peaks

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP3\20130420-19105.b\P3042006.D

Injection Date: 20-Apr-2013 14:42:44

Limit Group: GC 8081 D0D ICAL

Client ID:

Instrument ID: A2HP3

Lims Batch ID: 82857

Lims Sample ID: 6

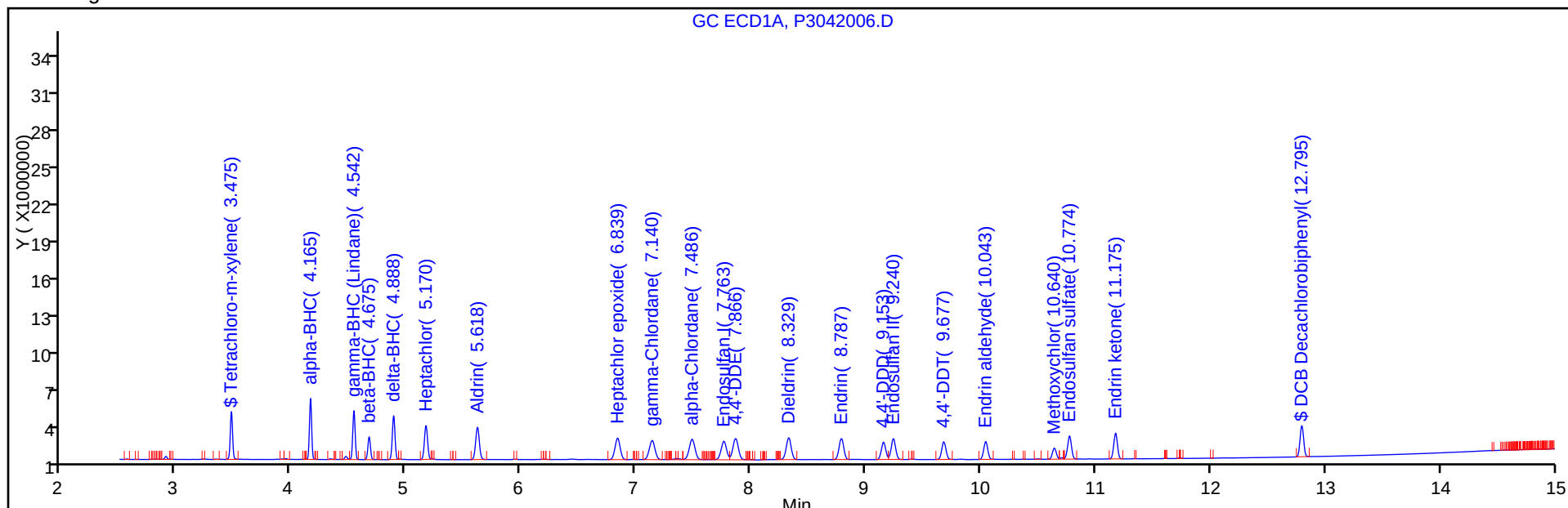
Operator ID: 402582

Injection Vol: 1.0 ul

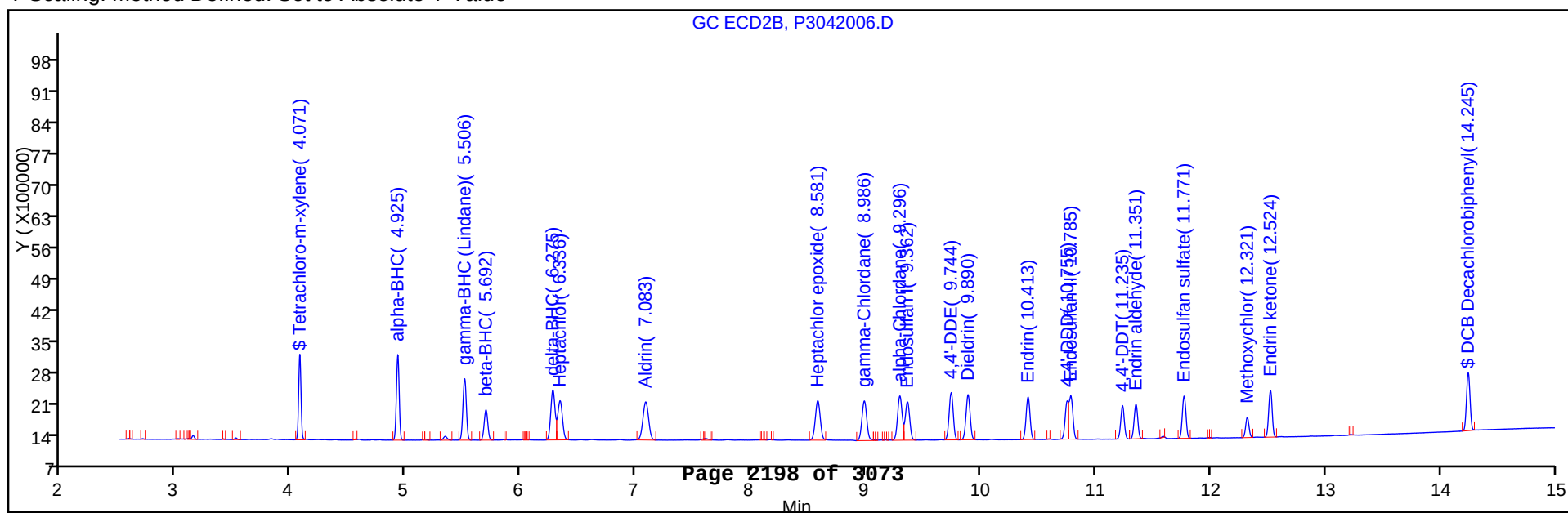
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22852-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MRL 240-82857/39

Matrix: Solid Lab File ID: P3042039.D

Analysis Method: 8081/DOD Date Collected: _____

Extraction Method: _____ Date Extracted: _____

Sample wt/vol: 1(mL) Date Analyzed: 04/21/2013 01:46

Con. Extract Vol.: _____ Dilution Factor: 1

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

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

Analysis Batch No.: 82857 Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	4,4'-DDD	0.00593		0.0050	0.0010	0.00096
72-55-9	4,4'-DDE	0.00491	J	0.0050	0.0010	0.00097
50-29-3	4,4'-DDT	0.0030	U ^	0.0050	0.0030	0.0016
309-00-2	Aldrin	0.00496	J	0.0050	0.0010	0.00082
319-84-6	alpha-BHC	0.00460	J	0.0050	0.0010	0.00070
5103-71-9	alpha-Chlordane	0.00508		0.0050	0.0010	0.0014
319-85-7	beta-BHC	0.00508		0.0050	0.0010	0.00084
319-86-8	delta-BHC	0.00445	J	0.0050	0.0010	0.00087
60-57-1	Dieldrin	0.00491	J	0.0050	0.0010	0.00075
959-98-8	Endosulfan I	0.00487	J	0.0050	0.0010	0.0013
33213-65-9	Endosulfan II	0.00483	J	0.0050	0.0010	0.0012
1031-07-8	Endosulfan sulfate	0.00519		0.0050	0.0010	0.0011
72-20-8	Endrin	0.00439	J	0.0050	0.0010	0.0011
7421-93-4	Endrin aldehyde	0.00446	J	0.0050	0.0010	0.0011
53494-70-5	Endrin ketone	0.00389	J	0.0050	0.0010	0.00078
58-89-9	gamma-BHC (Lindane)	0.00420	J	0.0050	0.0010	0.00064
5103-74-2	gamma-Chlordane	0.00494	J	0.0050	0.0010	0.0012
76-44-8	Heptachlor	0.00375	J	0.0050	0.0010	0.00080
1024-57-3	Heptachlor epoxide	0.00498	J	0.0050	0.0010	0.00071
72-43-5	Methoxychlor	0.0030	U ^	0.010	0.0030	0.0032
8001-35-2	Toxaphene	0.050	U	0.20	0.050	0.032

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	119		50-150
877-09-8	Tetrachloro-m-xylene	96		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP3\20130420-19105.b\P3042039.D
 Lims ID: MRL Client ID:
 Inject. Date: 21-Apr-2013 01:46:15 Dil. Factor: 1.0000
 Sample Type: MRL
 Sample ID: 240-0019105-039
 Misc. Info.:
 Operator: 402582 Instrument ID: A2HP3
 Injection Vol: 1.0 ul ALS Bottle#: 39
 Lims Batch ID: 82857 Lims Sample ID: 39
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCCChrom\ChromData\A2HP3\20130420-19105.b\PEST3.m
 Last Update: 22-Apr-2013 10:31:24 Calib Date: 16-Apr-2013 14:58:16
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP3\20130416-18914.b\P3041609.D
 Limit Group: GC 8081 D0D ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK028

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

\$ 29 Tetrachloro-m-xylene

1	100	3.474	3.474	0.000	5293843	0.004812			
2	100	4.070	4.069	0.001	2756221	0.004564			

RPD = 5.30

12 Diallate

1	100		3.751						
1	2		4.058						
2	100		4.331						
2	2		4.667						

1

24 Hexachlorobenzene

1	100		3.954						
2	100		4.688						

5 alpha-BHC

1	100	4.162	4.162	0.000	7471299	0.004601			
2	100	4.923	4.922	0.001	3660032	0.004754			

RPD = 3.26

20 gamma-BHC (Lindane)

1	100	4.540	4.540	0.000	6112350	0.004200			
2	100	5.503	5.505	-0.002	3083104	0.004554			

RPD = 8.07

7 beta-BHC

1	100	4.672	4.673	-0.001	3143560	0.005083			
2	100	5.690	5.690	0.000	1645412	0.005564			

RPD = 9.05

11 delta-BHC

1	100	4.885	4.886	-0.001	6591238	0.004453			
2	100	6.272	6.272	0.000	3340787	0.004803			

RPD = 7.56

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
8 Chlordane (technical)									
1	100	0.0	5.054	-5.054	0	0		100.0	
1	2	5.934	5.907	0.027	18328	0.000313	95.6- 135.6		
1	3	7.133	7.134	-0.001	6237688	0.0373	312.1- 352.1		
1	4	7.482	7.477	0.005	6548641	0.0261	466.3- 506.3		
Average of Peak Amounts =						0.0212			
2	100	0.0	6.030	-6.030	0	0		100.0	
2	2	7.594	7.602	-0.008	105201	0.004208	75.9- 115.9		
2	3	8.985	8.985	0.000	3124927	0.0419	251.4- 291.4		
2	4	9.294	9.293	0.001	3226208	0.0452	241.0- 281.0		
Average of Peak Amounts =						0.0305			
						RPD = 35.59			
22 Heptachlor									
1	100	5.167	5.167	0.000	4836451	0.003755			
2	100	6.334	6.334	0.000	2272233	0.003898			
						RPD = 3.73			
4 Aldrin									
1	100	5.615	5.616	-0.001	6751682	0.004965			
2	100	7.080	7.081	-0.001	3440156	0.005165			
						RPD = 3.95			
25 Isodrin									
1	100		6.227						
2	100		8.099						
23 Heptachlor epoxide									
1	100	6.832	6.834	-0.002	6127896	0.004982			
2	100	8.578	8.580	-0.002	3010296	0.005178			
						RPD = 3.86			
21 gamma-Chlordane									
1	100	7.133	7.133	0.000	6237688	0.004937			
2	100	8.985	8.985	0.000	3124927	0.005327			
						RPD = 7.60			
6 alpha-Chlordane									
1	100	7.482	7.483	-0.001	6548641	0.005078			
2	100	9.294	9.293	0.001	3226208	0.005286			
						RPD = 4.02			
14 Endosulfan I									
1	100	7.757	7.760	-0.003	5614032	0.004871			
2	100	9.360	9.360	0.000	2682148	0.005048			
						RPD = 3.58			
2 4,4'-DDE									
1	100	7.860	7.860	0.000	6223181	0.004914			
2	100	9.740	9.740	0.000	2964172	0.004860			
						RPD = 1.09			
28 Mirex									
1	100	8.255	8.279	-0.024	14022	0			
2	100	9.193	9.197	-0.004	8097	0			
						RPD = 0.00			
13 Dieldrin									
1	100	8.322	8.325	-0.003	6226793	0.004909			
2	100	9.888	9.888	0.000	2958204	0.004977			
						RPD = 1.37			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
17 Endrin									
1	100	8.781	8.782	-0.001	5222116	0.004392			
2	100	10.410	10.411	-0.001	2457391	0.004586			
						RPD = 4.34			
26 Kepone									
1	100		8.890						1
2	100		10.569						
1 4,4'-DDD									
1	100	9.150	9.150	0.000	5749562	0.005925			
2	100	10.751	10.750	0.001	2770613	0.006480			
						RPD = 8.95			
15 Endosulfan II									
1	100	9.235	9.236	-0.001	5283103	0.004827			
2	100	10.783	10.782	0.001	2886469	0.005946			
						RPD = 20.78			
9 Chlorobenzilate									
1	100		9.275						1
2	100		10.585						
3 4,4'-DDT									
1	100	9.674	9.677	-0.003	1200609	0.001302			
2	100	11.235	11.233	0.002	557313	0.001409			
						RPD = 7.90			
18 Endrin aldehyde									
1	100	10.040	10.040	0.000	3929612	0.004462			
2	100	11.349	11.350	-0.001	1866361	0.004724			
						RPD = 5.71			
30 Toxaphene									
1	1		10.230						1
1	2		10.573						
1	3		10.724						
1	4		11.144						
1	5		11.411						
2	100		10.337						
2	2		10.929						
2	3		11.357						
2	4		12.097						
2	5		12.658						
27 Methoxychlor									
1	100	10.638	10.638	0.000	1098685	0.002381			
2	100	12.317	12.318	-0.001	437379	0.002192			
						RPD = 8.26			
16 Endosulfan sulfate									
1	100	10.769	10.770	-0.001	5087487	0.005186			
2	100	11.769	11.770	-0.001	2536935	0.005737			
						RPD = 10.09			
19 Endrin ketone									
1	100	11.171	11.171	0.000	4448360	0.003886			
2	100	12.521	12.519	0.002	2150516	0.004288			
						RPD = 9.83			

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

\$ 10 DCB Decachlorobiphenyl

1	100	12.792	12.792	0.000	5691892	0.005928			
2	100	14.240	14.241	-0.001	2938056	0.006112			

RPD = 3.06

QC Flag Legend

Processing Flags

1 - Missing Peaks

Report Date: 22-Apr-2013 10:31:25

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP3\20130420-19105.b\P3042039.D

Injection Date: 21-Apr-2013 01:46:15

Limit Group: GC 8081 D0D ICAL

Client ID:

Instrument ID: A2HP3

Lims Batch ID: 82857

Lims Sample ID: 39

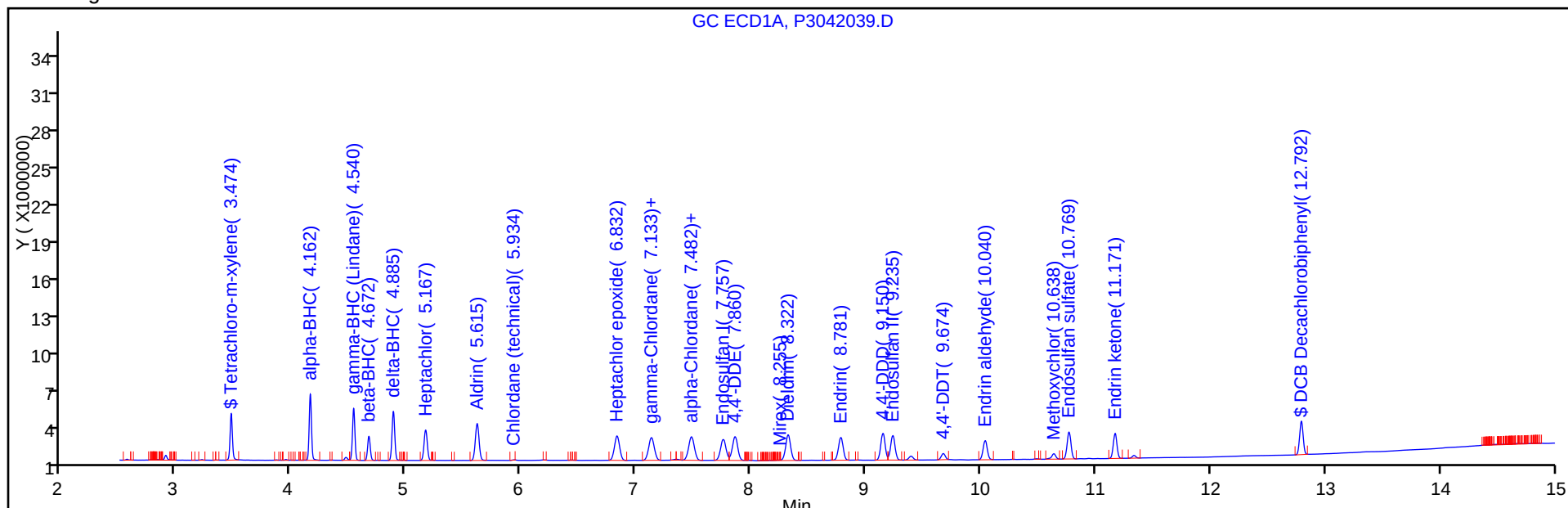
Operator ID: 402582

Injection Vol: 1.0 ul

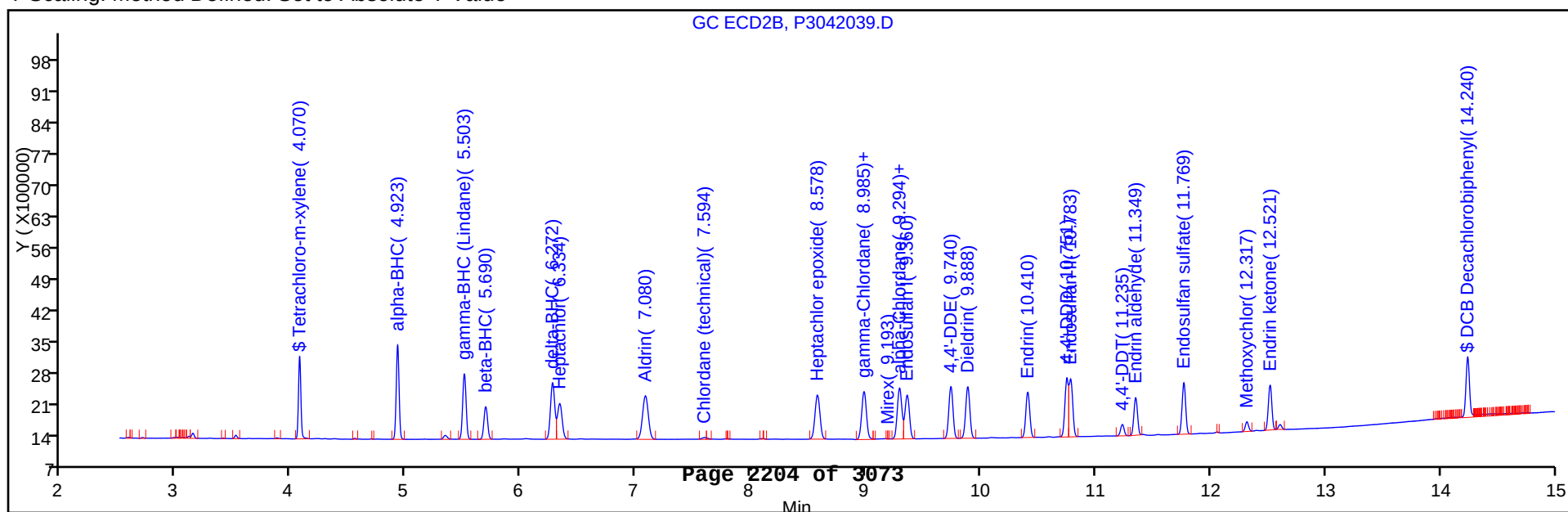
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22852-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MRL 240-82857/39

Matrix: Solid Lab File ID: P3042039.D

Analysis Method: 8081/DOD Date Collected: _____

Extraction Method: _____ Date Extracted: _____

Sample wt/vol: 1(mL) Date Analyzed: 04/21/2013 01:46

Con. Extract Vol.: _____ Dilution Factor: 1

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

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

Analysis Batch No.: 82857 Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	4,4'-DDD	0.00648		0.0050	0.0010	0.00096
72-55-9	4,4'-DDE	0.00486	J	0.0050	0.0010	0.00097
50-29-3	4,4'-DDT	0.0030	U ^	0.0050	0.0030	0.0016
309-00-2	Aldrin	0.00516		0.0050	0.0010	0.00082
319-84-6	alpha-BHC	0.00475	J	0.0050	0.0010	0.00070
5103-71-9	alpha-Chlordane	0.00529		0.0050	0.0010	0.0014
319-85-7	beta-BHC	0.00556		0.0050	0.0010	0.00084
319-86-8	delta-BHC	0.00480	J	0.0050	0.0010	0.00087
60-57-1	Dieldrin	0.00498	J	0.0050	0.0010	0.00075
959-98-8	Endosulfan I	0.00505		0.0050	0.0010	0.0013
33213-65-9	Endosulfan II	0.00595		0.0050	0.0010	0.0012
1031-07-8	Endosulfan sulfate	0.00574		0.0050	0.0010	0.0011
72-20-8	Endrin	0.00459	J	0.0050	0.0010	0.0011
7421-93-4	Endrin aldehyde	0.00472	J	0.0050	0.0010	0.0011
53494-70-5	Endrin ketone	0.00429	J	0.0050	0.0010	0.00078
58-89-9	gamma-BHC (Lindane)	0.00455	J	0.0050	0.0010	0.00064
5103-74-2	gamma-Chlordane	0.00533		0.0050	0.0010	0.0012
76-44-8	Heptachlor	0.00390	J	0.0050	0.0010	0.00080
1024-57-3	Heptachlor epoxide	0.00518		0.0050	0.0010	0.00071
72-43-5	Methoxychlor	0.0030	U ^	0.010	0.0030	0.0032
8001-35-2	Toxaphene	0.050	U	0.20	0.050	0.032

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	122		50-150
877-09-8	Tetrachloro-m-xylene	91		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP3\20130420-19105.b\P3042039.D
 Lims ID: MRL Client ID:
 Inject. Date: 21-Apr-2013 01:46:15 Dil. Factor: 1.0000
 Sample Type: MRL
 Sample ID: 240-0019105-039
 Misc. Info.:
 Operator: 402582 Instrument ID: A2HP3
 Injection Vol: 1.0 ul ALS Bottle#: 39
 Lims Batch ID: 82857 Lims Sample ID: 39
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCCChrom\ChromData\A2HP3\20130420-19105.b\PEST3.m
 Last Update: 22-Apr-2013 10:31:24 Calib Date: 16-Apr-2013 14:58:16
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP3\20130416-18914.b\P3041609.D
 Limit Group: GC 8081 D0D ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK028

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

\$ 29 Tetrachloro-m-xylene

1	100	3.474	3.474	0.000	5293843	0.004812			
2	100	4.070	4.069	0.001	2756221	0.004564			

RPD = 5.30

12 Diallate

1	100		3.751						
1	2		4.058						
2	100		4.331						
2	2		4.667						

1

24 Hexachlorobenzene

1	100		3.954						
2	100		4.688						

5 alpha-BHC

1	100	4.162	4.162	0.000	7471299	0.004601			
2	100	4.923	4.922	0.001	3660032	0.004754			

RPD = 3.26

20 gamma-BHC (Lindane)

1	100	4.540	4.540	0.000	6112350	0.004200			
2	100	5.503	5.505	-0.002	3083104	0.004554			

RPD = 8.07

7 beta-BHC

1	100	4.672	4.673	-0.001	3143560	0.005083			
2	100	5.690	5.690	0.000	1645412	0.005564			

RPD = 9.05

11 delta-BHC

1	100	4.885	4.886	-0.001	6591238	0.004453			
2	100	6.272	6.272	0.000	3340787	0.004803			

RPD = 7.56

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
8 Chlordane (technical)									
1	100	0.0	5.054	-5.054	0	0		100.0	
1	2	5.934	5.907	0.027	18328	0.000313	95.6- 135.6		
1	3	7.133	7.134	-0.001	6237688	0.0373	312.1- 352.1		
1	4	7.482	7.477	0.005	6548641	0.0261	466.3- 506.3		
Average of Peak Amounts =						0.0212			
2	100	0.0	6.030	-6.030	0	0		100.0	
2	2	7.594	7.602	-0.008	105201	0.004208	75.9- 115.9		
2	3	8.985	8.985	0.000	3124927	0.0419	251.4- 291.4		
2	4	9.294	9.293	0.001	3226208	0.0452	241.0- 281.0		
Average of Peak Amounts =						0.0305			
						RPD = 35.59			
22 Heptachlor									
1	100	5.167	5.167	0.000	4836451	0.003755			
2	100	6.334	6.334	0.000	2272233	0.003898			
						RPD = 3.73			
4 Aldrin									
1	100	5.615	5.616	-0.001	6751682	0.004965			
2	100	7.080	7.081	-0.001	3440156	0.005165			
						RPD = 3.95			
25 Isodrin									
1	100		6.227						
2	100		8.099						
23 Heptachlor epoxide									
1	100	6.832	6.834	-0.002	6127896	0.004982			
2	100	8.578	8.580	-0.002	3010296	0.005178			
						RPD = 3.86			
21 gamma-Chlordane									
1	100	7.133	7.133	0.000	6237688	0.004937			
2	100	8.985	8.985	0.000	3124927	0.005327			
						RPD = 7.60			
6 alpha-Chlordane									
1	100	7.482	7.483	-0.001	6548641	0.005078			
2	100	9.294	9.293	0.001	3226208	0.005286			
						RPD = 4.02			
14 Endosulfan I									
1	100	7.757	7.760	-0.003	5614032	0.004871			
2	100	9.360	9.360	0.000	2682148	0.005048			
						RPD = 3.58			
2 4,4'-DDE									
1	100	7.860	7.860	0.000	6223181	0.004914			
2	100	9.740	9.740	0.000	2964172	0.004860			
						RPD = 1.09			
28 Mirex									
1	100	8.255	8.279	-0.024	14022	0			
2	100	9.193	9.197	-0.004	8097	0			
						RPD = 0.00			
13 Dieldrin									
1	100	8.322	8.325	-0.003	6226793	0.004909			
2	100	9.888	9.888	0.000	2958204	0.004977			
						RPD = 1.37			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
17 Endrin									
1	100	8.781	8.782	-0.001	5222116	0.004392			
2	100	10.410	10.411	-0.001	2457391	0.004586			
						RPD = 4.34			
26 Kepone									
1	100		8.890						1
2	100		10.569						
1 4,4'-DDD									
1	100	9.150	9.150	0.000	5749562	0.005925			
2	100	10.751	10.750	0.001	2770613	0.006480			
						RPD = 8.95			
15 Endosulfan II									
1	100	9.235	9.236	-0.001	5283103	0.004827			
2	100	10.783	10.782	0.001	2886469	0.005946			
						RPD = 20.78			
9 Chlorobenzilate									
1	100		9.275						1
2	100		10.585						
3 4,4'-DDT									
1	100	9.674	9.677	-0.003	1200609	0.001302			
2	100	11.235	11.233	0.002	557313	0.001409			
						RPD = 7.90			
18 Endrin aldehyde									
1	100	10.040	10.040	0.000	3929612	0.004462			
2	100	11.349	11.350	-0.001	1866361	0.004724			
						RPD = 5.71			
30 Toxaphene									
1	1		10.230						1
1	2		10.573						
1	3		10.724						
1	4		11.144						
1	5		11.411						
2	100		10.337						
2	2		10.929						
2	3		11.357						
2	4		12.097						
2	5		12.658						
27 Methoxychlor									
1	100	10.638	10.638	0.000	1098685	0.002381			
2	100	12.317	12.318	-0.001	437379	0.002192			
						RPD = 8.26			
16 Endosulfan sulfate									
1	100	10.769	10.770	-0.001	5087487	0.005186			
2	100	11.769	11.770	-0.001	2536935	0.005737			
						RPD = 10.09			
19 Endrin ketone									
1	100	11.171	11.171	0.000	4448360	0.003886			
2	100	12.521	12.519	0.002	2150516	0.004288			
						RPD = 9.83			

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

\$ 10 DCB Decachlorobiphenyl

1	100	12.792	12.792	0.000	5691892	0.005928			
2	100	14.240	14.241	-0.001	2938056	0.006112			

RPD = 3.06

QC Flag Legend

Processing Flags

1 - Missing Peaks

Report Date: 22-Apr-2013 10:31:25

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP3\20130420-19105.b\P3042039.D

Injection Date: 21-Apr-2013 01:46:15

Limit Group: GC 8081 D0D ICAL

Client ID:

Instrument ID: A2HP3

Lims Batch ID: 82857

Lims Sample ID: 39

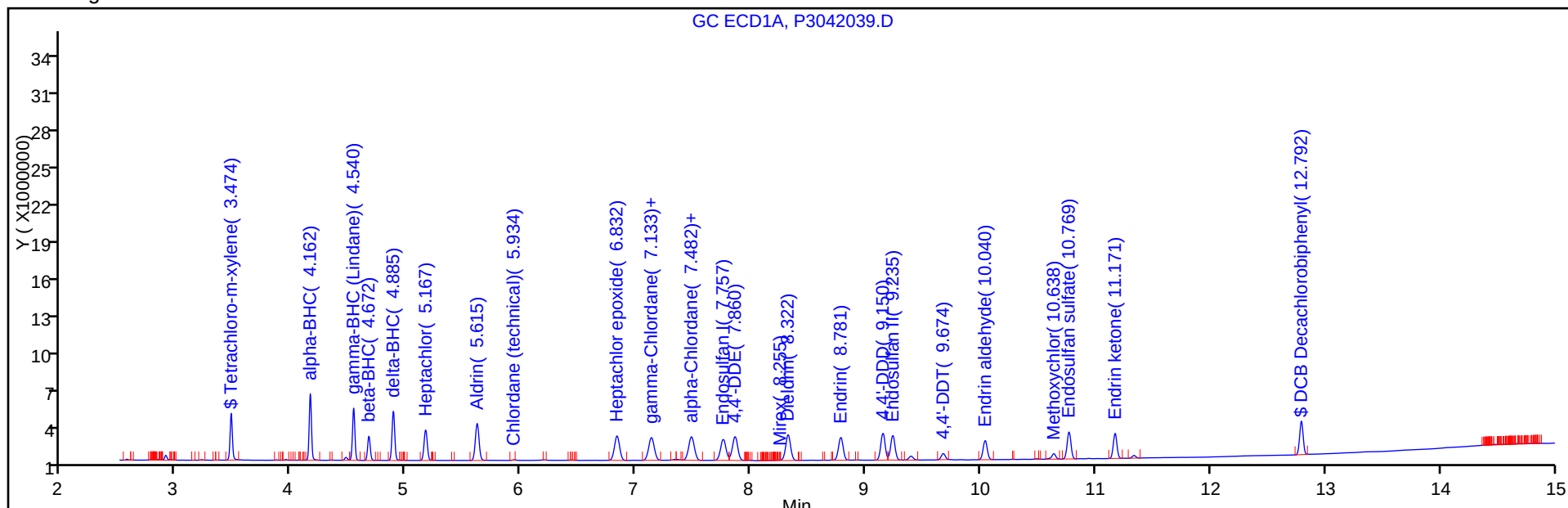
Operator ID: 402582

Injection Vol: 1.0 ul

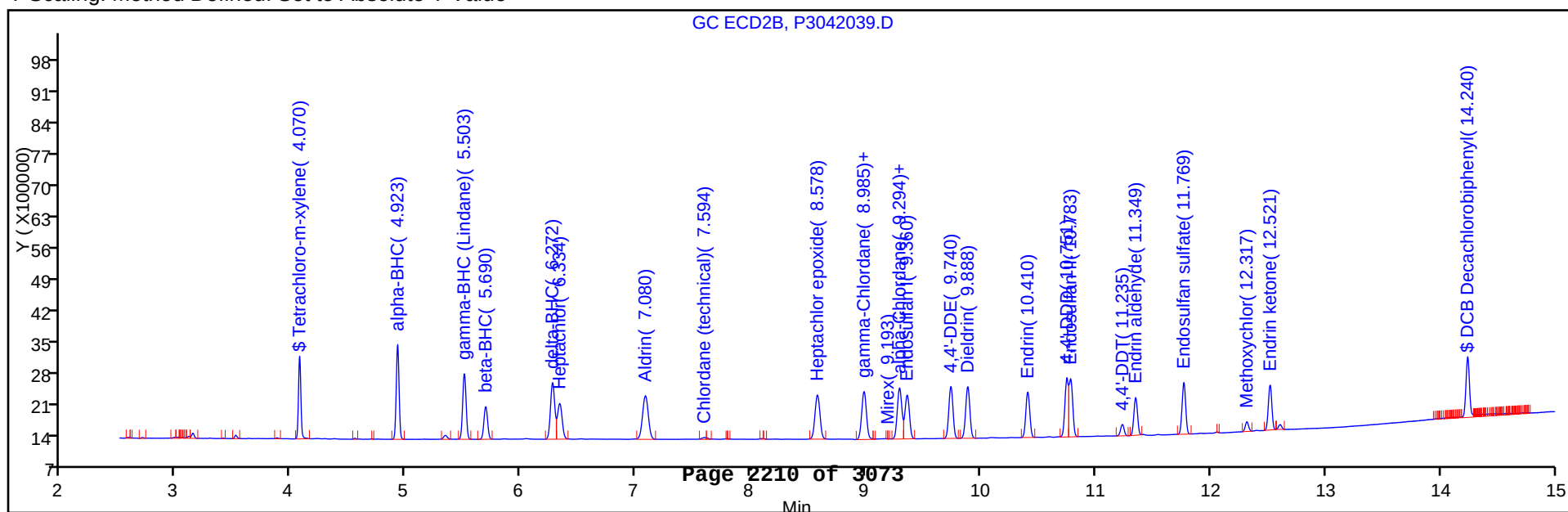
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22852-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MRL 240-83400/26
 Matrix: Solid Lab File ID: P3042426.D
 Analysis Method: 8081/DOD Date Collected: _____
 Extraction Method: _____ Date Extracted: _____
 Sample wt/vol: 1(mL) Date Analyzed: 04/24/2013 18:33
 Con. Extract Vol.: _____ Dilution Factor: 1
 Injection Volume: 1(uL) GC Column: CLP-1 ID: 0.53(mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 83400 Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	4,4'-DDD	0.00649		0.0050	0.0010	0.00096
72-55-9	4,4'-DDE	0.00634		0.0050	0.0010	0.00097
50-29-3	4,4'-DDT	0.00556		0.0050	0.0030	0.0016
309-00-2	Aldrin	0.00602		0.0050	0.0010	0.00082
319-84-6	alpha-BHC	0.00555		0.0050	0.0010	0.00070
5103-71-9	alpha-Chlordane	0.00635		0.0050	0.0010	0.0014
319-85-7	beta-BHC	0.00626		0.0050	0.0010	0.00084
319-86-8	delta-BHC	0.00522		0.0050	0.0010	0.00087
60-57-1	Dieldrin	0.00612		0.0050	0.0010	0.00075
959-98-8	Endosulfan I	0.00629		0.0050	0.0010	0.0013
33213-65-9	Endosulfan II	0.00648		0.0050	0.0010	0.0012
1031-07-8	Endosulfan sulfate	0.00607		0.0050	0.0010	0.0011
72-20-8	Endrin	0.00628		0.0050	0.0010	0.0011
7421-93-4	Endrin aldehyde	0.00641		0.0050	0.0010	0.0011
53494-70-5	Endrin ketone	0.00628	M	0.0050	0.0010	0.00078
58-89-9	gamma-BHC (Lindane)	0.00555		0.0050	0.0010	0.00064
5103-74-2	gamma-Chlordane	0.00617		0.0050	0.0010	0.0012
76-44-8	Heptachlor	0.00605		0.0050	0.0010	0.00080
1024-57-3	Heptachlor epoxide	0.00625		0.0050	0.0010	0.00071
72-43-5	Methoxychlor	0.00644	J	0.010	0.0030	0.0032

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	136	Q	50-150
877-09-8	Tetrachloro-m-xylene	123		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP3\20130424-19209.b\P3042426.D
 Lims ID: MRL Client ID:
 Inject. Date: 24-Apr-2013 18:33:04 Dil. Factor: 1.0000
 Sample Type: MRL
 Sample ID: 240-0019209-005
 Misc. Info.:
 Operator: 402582 Instrument ID: A2HP3
 Injection Vol: 1.0 ul ALS Bottle#: 26
 Lims Batch ID: 83400 Lims Sample ID: 26
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCCChrom\ChromData\A2HP3\20130424-19209.b\PEST3.m
 Last Update: 25-Apr-2013 07:51:26 Calib Date: 23-Apr-2013 17:41:50
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP3\20130423-19186.b\P3042315.D
 Limit Group: GC 8081 D0D ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK034

First Level Reviewer: shockr

Date: 25-Apr-2013 07:14:08

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

\$ 29 Tetrachloro-m-xylene

1	100	3.471	3.471	0.000	5416904	0.006139			
2	100	4.064	4.064	0.000	2852968	0.005942			

RPD = 3.26

12 Diallate

1	100		3.734						
1	2		4.041						
2	100		4.309						
2	2		4.644						

1

24 Hexachlorobenzene

1	100		3.944						
2	100		4.681						

5 alpha-BHC

1	100	4.160	4.159	0.001	7542451	0.005549			
2	100	4.915	4.915	0.000	3827310	0.005359			

RPD = 3.48

20 gamma-BHC (Lindane)

1	100	4.537	4.537	0.000	6709960	0.005552			
2	100	5.493	5.494	-0.001	3449403	0.005503			

RPD = 0.89

7 beta-BHC

1	100	4.670	4.669	0.001	3250125	0.006259			
2	100	5.678	5.679	-0.001	1761109	0.006319			

RPD = 0.96

11 delta-BHC

1	100	4.882	4.882	0.000	6390302	0.005220			
2	100	6.259	6.259	0.000	3426784	0.005279			

RPD = 1.14

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
8 Chlordane (technical)									
1	100	0.0	5.049	-5.049	0	0		100.0	
1	2	5.926	5.898	0.028	52285	0.001098	90.8- 130.8		
1	3	7.120	7.121	-0.001	6160758	0.0471	287.6- 327.6		
1	4	7.468	7.462	0.006	6492790	0.0337	429.9- 469.9		
Average of Peak Amounts =						0.0273			
2	100	6.036	6.017	0.019	19756	0.000856		100.0	
2	2	7.579	7.584	-0.005	35984	0.001560	81.9- 121.9	182.1	
2	3	8.969	8.968	0.001	3170517	0.0504	250.7- 290.7	16048.4	
2	4	9.279	9.279	0.000	3299839	0.0548	240.1- 280.1	16703.0	
Average of Peak Amounts =						0.0269			
						RPD = 1.44			
22 Heptachlor									
1	100	5.162	5.163	-0.001	6247941	0.006054			
2	100	6.321	6.322	-0.001	3085728	0.006244			
						RPD = 3.08			
4 Aldrin									
1	100	5.610	5.609	0.001	6549392	0.006019			
2	100	7.065	7.064	0.001	3473257	0.005998			
						RPD = 0.34			
25 Isodrin									
1	100		6.191						
2	100		8.092						
23 Heptachlor epoxide									
1	100	6.822	6.822	0.000	6200607	0.006245			
2	100	8.562	8.565	-0.003	3188415	0.006207			
						RPD = 0.61			
21 gamma-Chlordane									
1	100	7.120	7.121	-0.001	6160758	0.006168			
2	100	8.969	8.970	-0.001	3170517	0.006232			
						RPD = 1.04			
6 alpha-Chlordane									
1	100	7.468	7.470	-0.002	6492790	0.006346			
2	100	9.279	9.280	-0.001	3299839	0.006314			
						RPD = 0.50			
14 Endosulfan I									
1	100	7.747	7.746	0.001	5703822	0.006293			
2	100	9.345	9.346	-0.001	2878213	0.006268			
						RPD = 0.39			
2 4,4'-DDE									
1	100	7.848	7.850	-0.002	6145701	0.006343			
2	100	9.725	9.727	-0.002	3063856	0.006166			
						RPD = 2.83			
28 Mirex									
1	100		8.279						1
2	100		9.197						
13 Dieldrin									
1	100	8.311	8.310	0.001	6113791	0.006124			
2	100	9.872	9.874	-0.002	3054919	0.006104			
						RPD = 0.33			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags	
17 Endrin										
1	100	8.771	8.771	0.000	5840130	0.006283				
2	100	10.395	10.396	-0.001	2867206	0.006252				
						RPD = 0.50				
26 Kepone										
1	100		8.847							
2	100		10.561							
1 4,4'-DDD										
1	100	9.137	9.139	-0.002	4852011	0.006487				
2	100	10.736	10.736	0.000	2280159	0.006540				
						RPD = 0.81				
15 Endosulfan II										
1	100	9.226	9.225	0.001	5443661	0.006482				
2	100	10.766	10.766	0.000	2853620	0.006676				
						RPD = 2.95				
9 Chlorobenzilate										
1	100		9.243							
2	100		10.562							
3 4,4'-DDT										
1	100	9.666	9.668	-0.002	3907561	0.005557				
2	100	11.216	11.217	-0.001	1848805	0.005969				
						RPD = 7.16				
18 Endrin aldehyde										
1	100	10.031	10.030	0.001	4131211	0.006412				
2	100	11.332	11.333	-0.001	2176873	0.006734				
						RPD = 4.89				
30 Toxaphene										1
1	1		10.218							
1	2		10.565							
1	3		10.717							
1	4		11.134							
1	5		11.404							
2	100		10.320							
2	2		10.915							
2	3		11.336							
2	4		12.077							
2	5		12.638							
27 Methoxychlor										
1	100	10.631	10.630	0.001	2278401	0.006442				
2	100	12.297	12.299	-0.002	1108278	0.007187				
						RPD = 10.93				
16 Endosulfan sulfate										
1	100	10.762	10.763	-0.001	4708793	0.006070				
2	100	11.750	11.752	-0.002	2604969	0.006780				
						RPD = 11.05				
19 Endrin ketone										M
1	100	11.162	11.165	-0.003	5640921	0.006280			M	
2	100	12.500	12.501	-0.001	2920508	0.006794				
						RPD = 7.86				

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

\$ 10 DCB Decachlorobiphenyl

1	100	12.785	12.787	-0.002	5644570	0.006824			
2	100	14.216	14.217	-0.001	2919864	0.006760			

RPD = 0.95

QC Flag Legend

Processing Flags

1 - Missing Peaks

Review Flags

M - Manually Integrated

Report Date: 25-Apr-2013 07:51:34

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP3\20130424-19209.b\P3042426.D

Injection Date: 24-Apr-2013 18:33:04

Limit Group: GC 8081 D0D ICAL

Client ID:

Instrument ID: A2HP3

Lims Batch ID: 83400

Lims Sample ID: 26

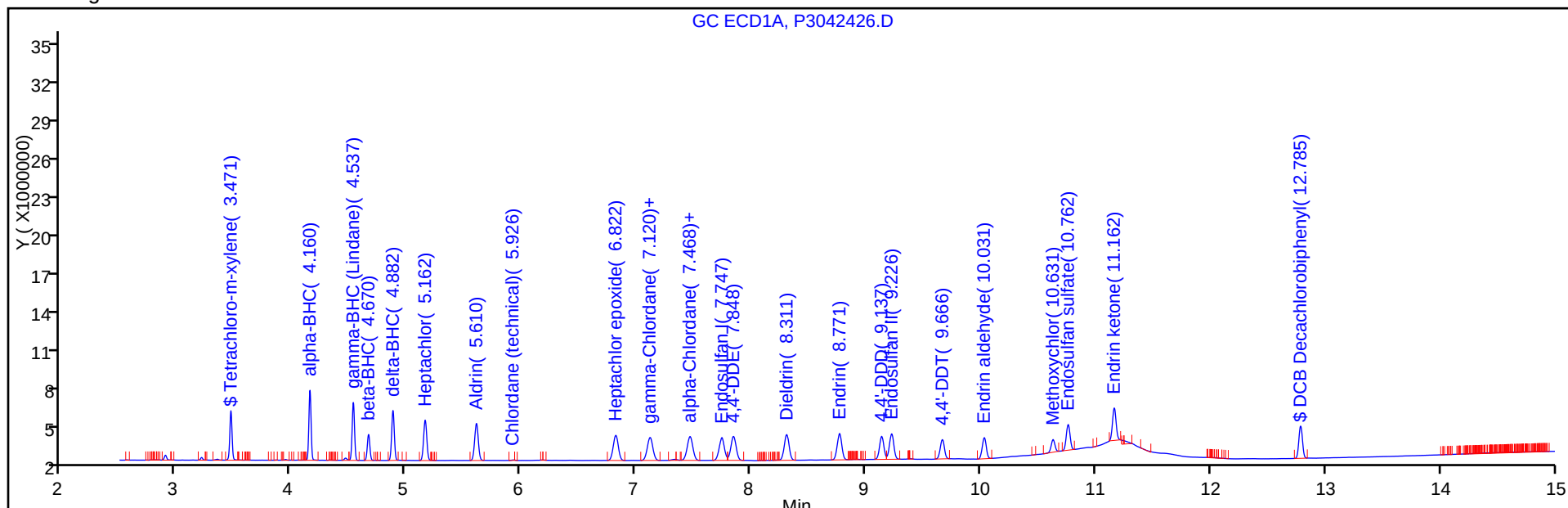
Operator ID: 402582

Injection Vol: 1.0 ul

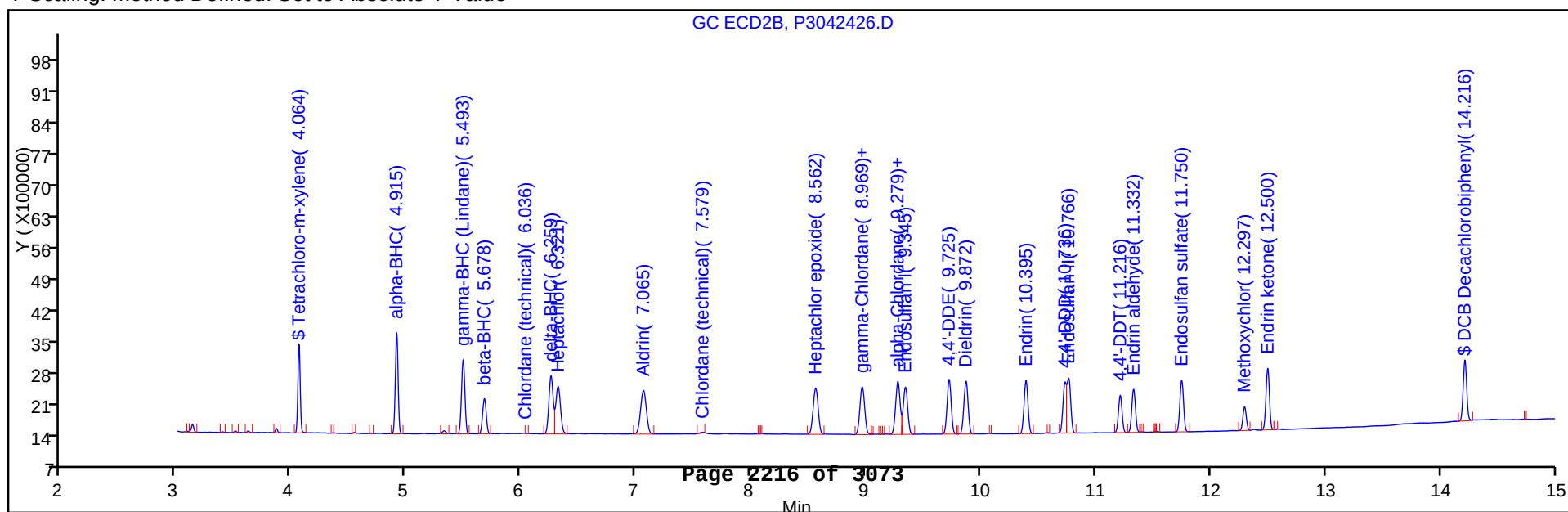
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP3\20130424-19209.b\P3042426.D

Injection Date: 24-Apr-2013 18:33:04

Limit Group: GC 8081 D0D ICAL

Client ID:

Instrument ID: A2HP3

Lims Batch ID: 83400

Lims Sample ID: 26

Operator ID: 402582

Injection Vol: 1.0 ul

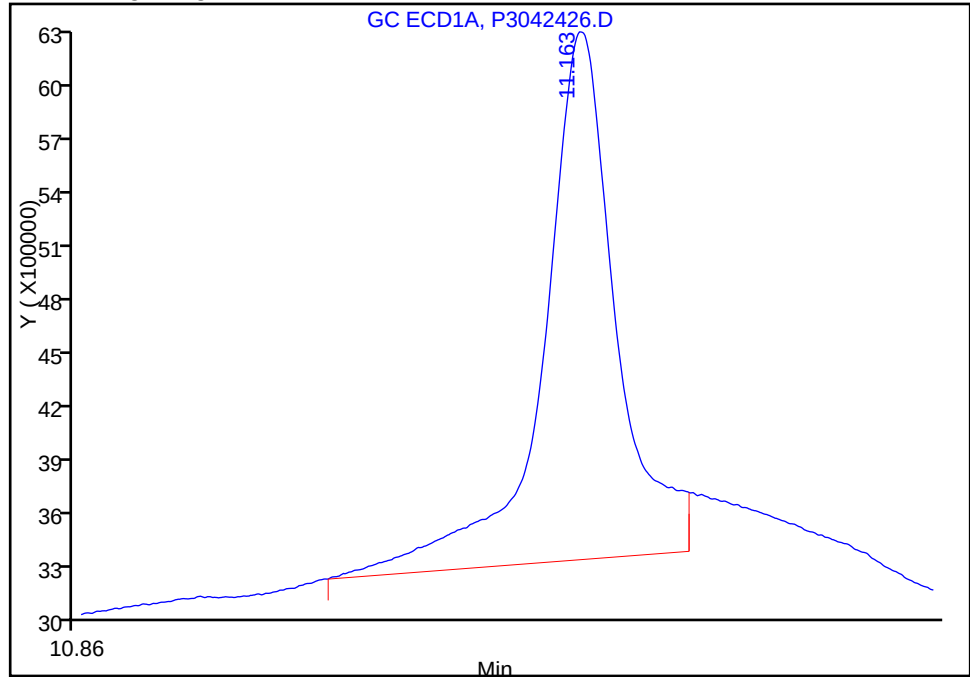
Column Type:

Column Dia:

19 Endrin ketone, Signal: 1, Type: quant, RT: 11.17, Det: GC ECD1A

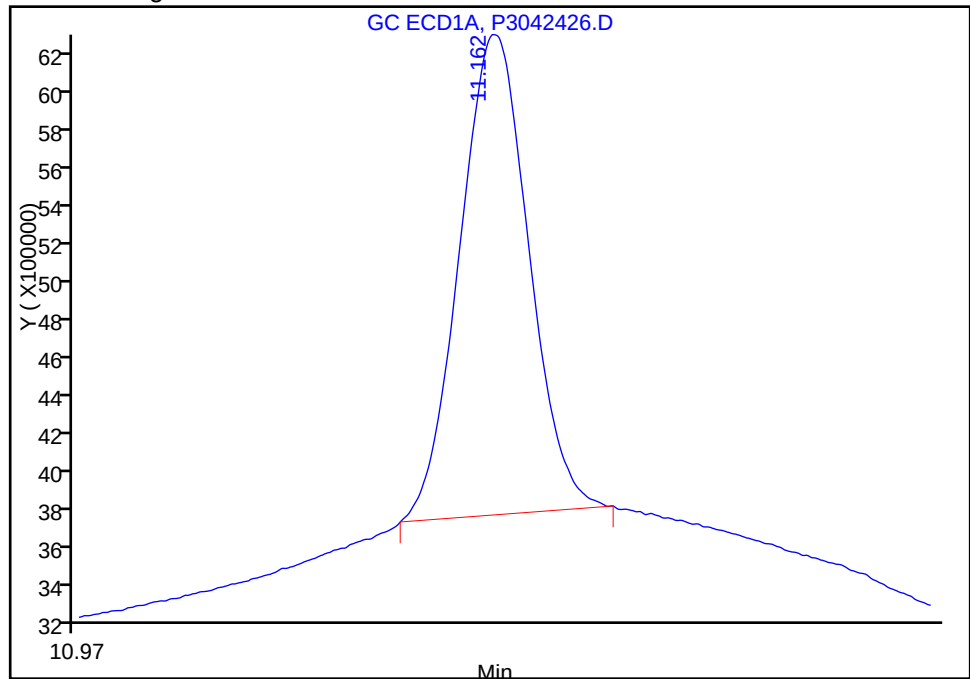
RT: 11.16
Response: 8832017
Amount: 0.009833

Processing Integration Results



RT: 11.16
Response: 5640921
Amount: 0.006280

Manual Integration Results



Reviewer: shockr, 25-Apr-2013 07:14:08

Audit Action: Manually Integrated

Audit Reason: Baseline Event

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22852-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MRL 240-83400/26

Matrix: Solid Lab File ID: P3042426.D

Analysis Method: 8081/DOD Date Collected: _____

Extraction Method: _____ Date Extracted: _____

Sample wt/vol: 1(mL) Date Analyzed: 04/24/2013 18:33

Con. Extract Vol.: _____ Dilution Factor: 1

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

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

Analysis Batch No.: 83400 Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	4,4'-DDD	0.00654	^	0.0050	0.0010	0.00096
72-55-9	4,4'-DDE	0.00617		0.0050	0.0010	0.00097
50-29-3	4,4'-DDT	0.00597		0.0050	0.0030	0.0016
309-00-2	Aldrin	0.00600		0.0050	0.0010	0.00082
319-84-6	alpha-BHC	0.00536		0.0050	0.0010	0.00070
5103-71-9	alpha-Chlordane	0.00631		0.0050	0.0010	0.0014
319-85-7	beta-BHC	0.00632		0.0050	0.0010	0.00084
319-86-8	delta-BHC	0.00528		0.0050	0.0010	0.00087
60-57-1	Dieldrin	0.00610		0.0050	0.0010	0.00075
959-98-8	Endosulfan I	0.00627		0.0050	0.0010	0.0013
33213-65-9	Endosulfan II	0.00668	^	0.0050	0.0010	0.0012
1031-07-8	Endosulfan sulfate	0.00678	^	0.0050	0.0010	0.0011
72-20-8	Endrin	0.00625		0.0050	0.0010	0.0011
7421-93-4	Endrin aldehyde	0.00673	^	0.0050	0.0010	0.0011
53494-70-5	Endrin ketone	0.00679	^	0.0050	0.0010	0.00078
58-89-9	gamma-BHC (Lindane)	0.00550		0.0050	0.0010	0.00064
5103-74-2	gamma-Chlordane	0.00623		0.0050	0.0010	0.0012
76-44-8	Heptachlor	0.00624		0.0050	0.0010	0.00080
1024-57-3	Heptachlor epoxide	0.00621		0.0050	0.0010	0.00071
72-43-5	Methoxychlor	0.00719	J ^	0.010	0.0030	0.0032

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	135	Q	50-150
877-09-8	Tetrachloro-m-xylene	119		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP3\20130424-19209.b\P3042426.D
 Lims ID: MRL Client ID:
 Inject. Date: 24-Apr-2013 18:33:04 Dil. Factor: 1.0000
 Sample Type: MRL
 Sample ID: 240-0019209-005
 Misc. Info.:
 Operator: 402582 Instrument ID: A2HP3
 Injection Vol: 1.0 ul ALS Bottle#: 26
 Lims Batch ID: 83400 Lims Sample ID: 26
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCCChrom\ChromData\A2HP3\20130424-19209.b\PEST3.m
 Last Update: 25-Apr-2013 07:51:26 Calib Date: 23-Apr-2013 17:41:50
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP3\20130423-19186.b\P3042315.D
 Limit Group: GC 8081 D0D ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK034

First Level Reviewer: shockr

Date: 25-Apr-2013 07:14:08

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

\$ 29 Tetrachloro-m-xylene

1	100	3.471	3.471	0.000	5416904	0.006139			
2	100	4.064	4.064	0.000	2852968	0.005942			

RPD = 3.26

12 Diallate

1	100		3.734						
1	2		4.041						
2	100		4.309						
2	2		4.644						

1

24 Hexachlorobenzene

1	100		3.944						
2	100		4.681						

5 alpha-BHC

1	100	4.160	4.159	0.001	7542451	0.005549			
2	100	4.915	4.915	0.000	3827310	0.005359			

RPD = 3.48

20 gamma-BHC (Lindane)

1	100	4.537	4.537	0.000	6709960	0.005552			
2	100	5.493	5.494	-0.001	3449403	0.005503			

RPD = 0.89

7 beta-BHC

1	100	4.670	4.669	0.001	3250125	0.006259			
2	100	5.678	5.679	-0.001	1761109	0.006319			

RPD = 0.96

11 delta-BHC

1	100	4.882	4.882	0.000	6390302	0.005220			
2	100	6.259	6.259	0.000	3426784	0.005279			

RPD = 1.14

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
8 Chlordane (technical)									
1	100	0.0	5.049	-5.049	0	0		100.0	
1	2	5.926	5.898	0.028	52285	0.001098	90.8- 130.8		
1	3	7.120	7.121	-0.001	6160758	0.0471	287.6- 327.6		
1	4	7.468	7.462	0.006	6492790	0.0337	429.9- 469.9		
Average of Peak Amounts =						0.0273			
2	100	6.036	6.017	0.019	19756	0.000856		100.0	
2	2	7.579	7.584	-0.005	35984	0.001560	81.9- 121.9	182.1	
2	3	8.969	8.968	0.001	3170517	0.0504	250.7- 290.7	16048.4	
2	4	9.279	9.279	0.000	3299839	0.0548	240.1- 280.1	16703.0	
Average of Peak Amounts =						0.0269			
						RPD = 1.44			
22 Heptachlor									
1	100	5.162	5.163	-0.001	6247941	0.006054			
2	100	6.321	6.322	-0.001	3085728	0.006244			
						RPD = 3.08			
4 Aldrin									
1	100	5.610	5.609	0.001	6549392	0.006019			
2	100	7.065	7.064	0.001	3473257	0.005998			
						RPD = 0.34			
25 Isodrin									
1	100		6.191						
2	100		8.092						
23 Heptachlor epoxide									
1	100	6.822	6.822	0.000	6200607	0.006245			
2	100	8.562	8.565	-0.003	3188415	0.006207			
						RPD = 0.61			
21 gamma-Chlordane									
1	100	7.120	7.121	-0.001	6160758	0.006168			
2	100	8.969	8.970	-0.001	3170517	0.006232			
						RPD = 1.04			
6 alpha-Chlordane									
1	100	7.468	7.470	-0.002	6492790	0.006346			
2	100	9.279	9.280	-0.001	3299839	0.006314			
						RPD = 0.50			
14 Endosulfan I									
1	100	7.747	7.746	0.001	5703822	0.006293			
2	100	9.345	9.346	-0.001	2878213	0.006268			
						RPD = 0.39			
2 4,4'-DDE									
1	100	7.848	7.850	-0.002	6145701	0.006343			
2	100	9.725	9.727	-0.002	3063856	0.006166			
						RPD = 2.83			
28 Mirex									
1	100		8.279						1
2	100		9.197						
13 Dieldrin									
1	100	8.311	8.310	0.001	6113791	0.006124			
2	100	9.872	9.874	-0.002	3054919	0.006104			
						RPD = 0.33			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags	
17 Endrin										
1	100	8.771	8.771	0.000	5840130	0.006283				
2	100	10.395	10.396	-0.001	2867206	0.006252				
						RPD = 0.50				
26 Kepone										
1	100		8.847							
2	100		10.561							
1 4,4'-DDD										
1	100	9.137	9.139	-0.002	4852011	0.006487				
2	100	10.736	10.736	0.000	2280159	0.006540				
						RPD = 0.81				
15 Endosulfan II										
1	100	9.226	9.225	0.001	5443661	0.006482				
2	100	10.766	10.766	0.000	2853620	0.006676				
						RPD = 2.95				
9 Chlorobenzilate										
1	100		9.243							
2	100		10.562							
3 4,4'-DDT										
1	100	9.666	9.668	-0.002	3907561	0.005557				
2	100	11.216	11.217	-0.001	1848805	0.005969				
						RPD = 7.16				
18 Endrin aldehyde										
1	100	10.031	10.030	0.001	4131211	0.006412				
2	100	11.332	11.333	-0.001	2176873	0.006734				
						RPD = 4.89				
30 Toxaphene										1
1	1		10.218							
1	2		10.565							
1	3		10.717							
1	4		11.134							
1	5		11.404							
2	100		10.320							
2	2		10.915							
2	3		11.336							
2	4		12.077							
2	5		12.638							
27 Methoxychlor										
1	100	10.631	10.630	0.001	2278401	0.006442				
2	100	12.297	12.299	-0.002	1108278	0.007187				
						RPD = 10.93				
16 Endosulfan sulfate										
1	100	10.762	10.763	-0.001	4708793	0.006070				
2	100	11.750	11.752	-0.002	2604969	0.006780				
						RPD = 11.05				
19 Endrin ketone										M
1	100	11.162	11.165	-0.003	5640921	0.006280			M	
2	100	12.500	12.501	-0.001	2920508	0.006794				
						RPD = 7.86				

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

\$ 10 DCB Decachlorobiphenyl

1	100	12.785	12.787	-0.002	5644570	0.006824			
2	100	14.216	14.217	-0.001	2919864	0.006760			

RPD = 0.95

QC Flag Legend

Processing Flags

1 - Missing Peaks

Review Flags

M - Manually Integrated

Report Date: 25-Apr-2013 07:51:35

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP3\20130424-19209.b\P3042426.D

Injection Date: 24-Apr-2013 18:33:04

Limit Group: GC 8081 D0D ICAL

Client ID:

Instrument ID: A2HP3

Lims Batch ID: 83400

Lims Sample ID: 26

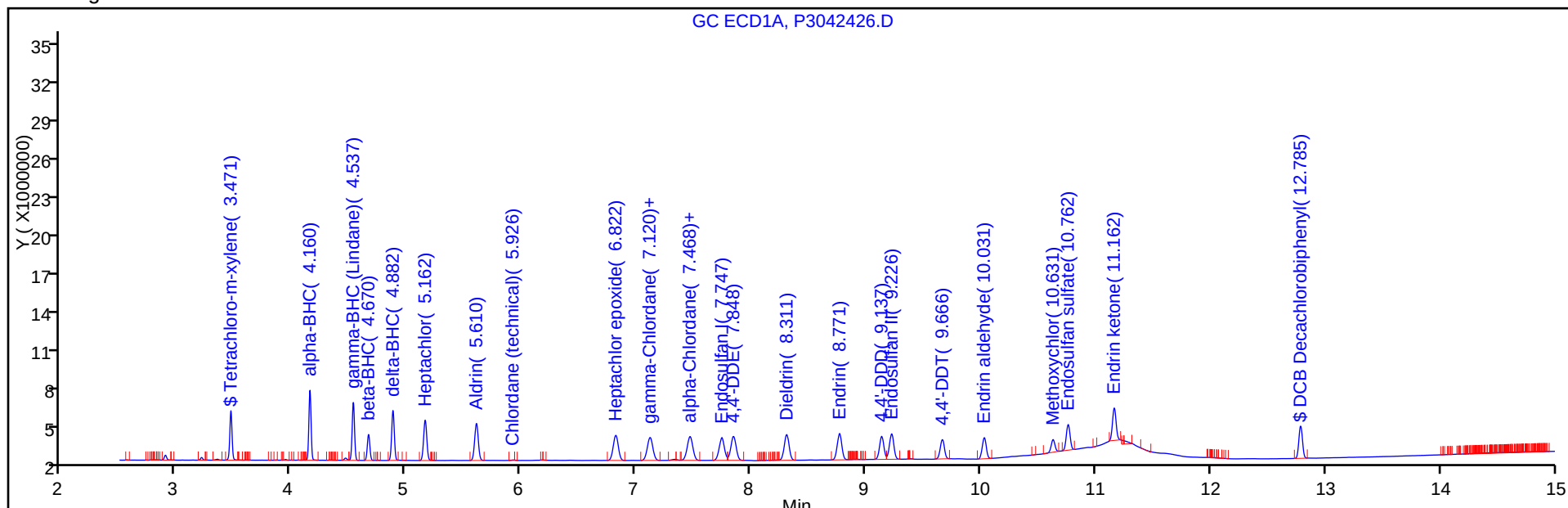
Operator ID: 402582

Injection Vol: 1.0 ul

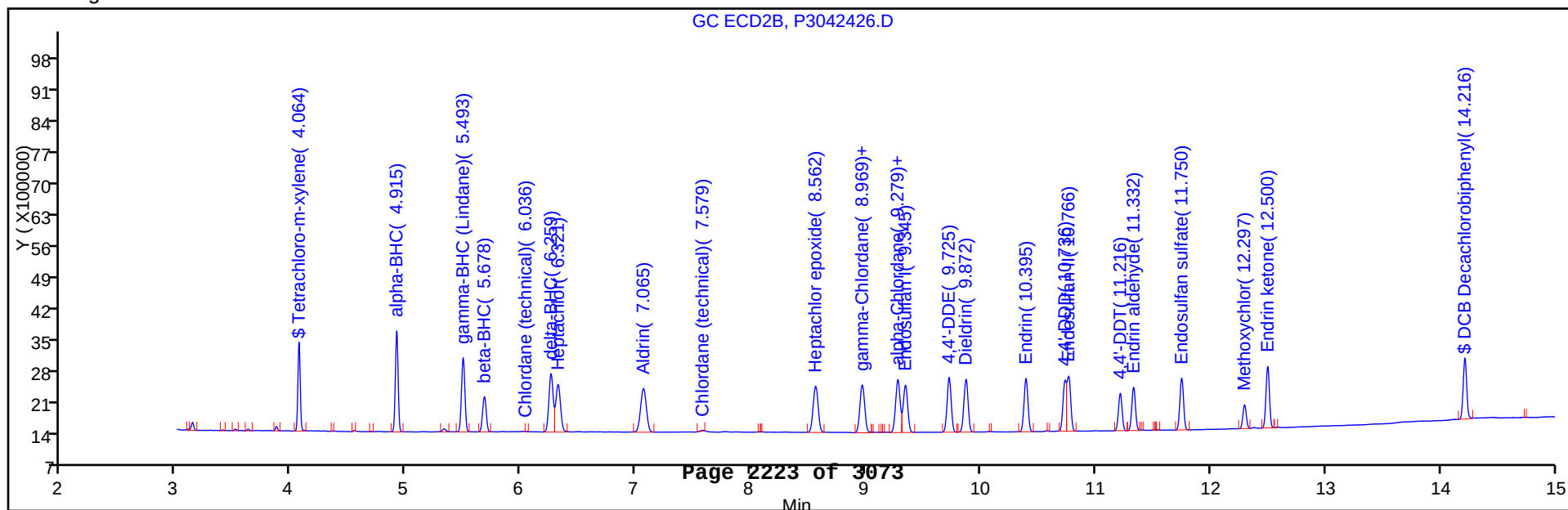
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22852-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MRL 240-83400/52
 Matrix: Solid Lab File ID: P3042439.D
 Analysis Method: 8081/DOD Date Collected: _____
 Extraction Method: _____ Date Extracted: _____
 Sample wt/vol: 1(mL) Date Analyzed: 04/24/2013 22:55
 Con. Extract Vol.: _____ Dilution Factor: 1
 Injection Volume: 1(uL) GC Column: CLP-1 ID: 0.53(mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 83400 Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	4,4'-DDD	0.00694	^	0.0050	0.0010	0.00096
72-55-9	4,4'-DDE	0.00639		0.0050	0.0010	0.00097
50-29-3	4,4'-DDT	0.00329	J ^	0.0050	0.0030	0.0016
309-00-2	Aldrin	0.00606		0.0050	0.0010	0.00082
319-84-6	alpha-BHC	0.00551		0.0050	0.0010	0.00070
5103-71-9	alpha-Chlordane	0.00640		0.0050	0.0010	0.0014
319-85-7	beta-BHC	0.00626		0.0050	0.0010	0.00084
319-86-8	delta-BHC	0.00453	J	0.0050	0.0010	0.00087
60-57-1	Dieldrin	0.00613		0.0050	0.0010	0.00075
959-98-8	Endosulfan I	0.00618		0.0050	0.0010	0.0013
33213-65-9	Endosulfan II	0.00633		0.0050	0.0010	0.0012
1031-07-8	Endosulfan sulfate	0.00617		0.0050	0.0010	0.0011
72-20-8	Endrin	0.00592		0.0050	0.0010	0.0011
7421-93-4	Endrin aldehyde	0.00536		0.0050	0.0010	0.0011
53494-70-5	Endrin ketone	0.00554		0.0050	0.0010	0.00078
58-89-9	gamma-BHC (Lindane)	0.00544		0.0050	0.0010	0.00064
5103-74-2	gamma-Chlordane	0.00634		0.0050	0.0010	0.0012
76-44-8	Heptachlor	0.00536		0.0050	0.0010	0.00080
1024-57-3	Heptachlor epoxide	0.00633		0.0050	0.0010	0.00071
72-43-5	Methoxychlor	0.00459	J	0.010	0.0030	0.0032

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	130		50-150
877-09-8	Tetrachloro-m-xylene	120		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP3\20130424-19209.b\P3042439.D
 Lims ID: MRL Client ID:
 Inject. Date: 24-Apr-2013 22:55:08 Dil. Factor: 1.0000
 Sample Type: MRL
 Sample ID: 240-0019209-005
 Misc. Info.:
 Operator: 402582 Instrument ID: A2HP3
 Injection Vol: 1.0 ul ALS Bottle#: 39
 Lims Batch ID: 83400 Lims Sample ID: 52
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCCChrom\ChromData\A2HP3\20130424-19209.b\PEST3.m
 Last Update: 25-Apr-2013 07:51:18 Calib Date: 23-Apr-2013 17:41:50
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP3\20130423-19186.b\P3042315.D
 Limit Group: GC 8081 D0D ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK034

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

\$ 29 Tetrachloro-m-xylene

1	100	3.471	3.471	0.000	5314741	0.006024			
2	100	4.064	4.064	0.000	2835947	0.005907			

RPD = 1.96

12 Diallate

1	100		3.734						
1	2		4.041						
2	100		4.309						
2	2		4.644						

24 Hexachlorobenzene

1	100		3.944						
2	100		4.681						

5 alpha-BHC

1	100	4.159	4.159	0.000	7485916	0.005507			
2	100	4.914	4.915	-0.001	3839828	0.005377			

RPD = 2.40

20 gamma-BHC (Lindane)

1	100	4.536	4.537	-0.001	6575419	0.005441			
2	100	5.494	5.494	0.000	3372093	0.005379			

RPD = 1.13

7 beta-BHC

1	100	4.668	4.669	-0.001	3250938	0.006261			
2	100	5.678	5.678	0.000	1788268	0.006417			

RPD = 2.46

11 delta-BHC

1	100	4.881	4.882	-0.001	5551676	0.004535			
2	100	6.259	6.259	0.000	3104090	0.004782			

RPD = 5.31

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
8 Chlordane (technical)									1
1	100		5.049						
1	2		5.898						
1	3		7.121						
1	4		7.462						
2	100		6.017						
2	2		7.584						
2	3		8.968						
2	4		9.279						
22 Heptachlor									
1	100	5.161	5.162	-0.001	5536367	0.005365			
2	100	6.320	6.319	0.001	2676332	0.005415			
							RPD = 0.94		
4 Aldrin									
1	100	5.608	5.610	-0.002	6590352	0.006057			
2	100	7.063	7.064	-0.001	3536516	0.006108			
							RPD = 0.84		
25 Isodrin									
1	100		6.191						
2	100		8.092						
23 Heptachlor epoxide									
1	100	6.820	6.821	-0.001	6286436	0.006332			
2	100	8.564	8.563	0.001	3217386	0.006264			
							RPD = 1.08		
21 gamma-Chlordane									
1	100	7.121	7.120	0.001	6328534	0.006336			
2	100	8.968	8.969	-0.001	3201443	0.006293			
							RPD = 0.68		
6 alpha-Chlordane									
1	100	7.467	7.469	-0.002	6552977	0.006404			
2	100	9.278	9.278	0.000	3310790	0.006335			
							RPD = 1.09		
14 Endosulfan I									
1	100	7.742	7.745	-0.003	5601147	0.006179			
2	100	9.345	9.346	-0.001	2753001	0.005996			
							RPD = 3.02		
2 4,4'-DDE									
1	100	7.846	7.849	-0.003	6190873	0.006390			
2	100	9.726	9.725	0.001	3043800	0.006126			
							RPD = 4.22		
28 Mirex									1
1	100		8.279						
2	100		9.197						
13 Dieldrin									
1	100	8.307	8.309	-0.002	6119535	0.006130			
2	100	9.872	9.872	0.000	3095670	0.006185			
							RPD = 0.91		
17 Endrin									
1	100	8.769	8.769	0.000	5507267	0.005925			
2	100	10.395	10.395	0.000	2795972	0.006097			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
26 Kepone									
1	100		8.847						
2	100		10.561						
1 4,4'-DDD									
1	100	9.135	9.136	-0.001	5192289	0.006942			
2	100	10.733	10.734	-0.001	2511521	0.007203			
RPD = 3.69									
15 Endosulfan II									
1	100	9.224	9.221	0.003	5311944	0.006325			
2	100	10.766	10.765	0.001	2782491	0.006510			
RPD = 2.87									
9 Chlorobenzilate									
1	100		9.243						
2	100		10.562						
3 4,4'-DDT									
1	100	9.663	9.665	-0.002	2311534	0.003287			
2	100	11.216	11.216	0.000	1124398	0.003630			
RPD = 9.92									
18 Endrin aldehyde									
1	100	10.030	10.029	0.001	3455642	0.005364			
2	100	11.333	11.332	0.001	1726499	0.005341			
RPD = 0.43									
30 Toxaphene									
1	1		10.218						1
1	2		10.565						
1	3		10.717						
1	4		11.134						
1	5		11.404						
2	100		10.320						
2	2		10.915						
2	3		11.336						
2	4		12.077						
2	5		12.638						
27 Methoxychlor									
1	100	10.630	10.630	0.000	1622085	0.004587			
2	100	12.298	12.297	0.001	751346	0.004872			
RPD = 6.04									
16 Endosulfan sulfate									
1	100	10.760	10.761	-0.001	4782686	0.006165			
2	100	11.751	11.750	0.001	2396977	0.006239			
RPD = 1.18									
19 Endrin ketone									
1	100	11.162	11.161	0.001	4975948	0.005540			
2	100	12.500	12.499	0.001	2426949	0.005646			
RPD = 1.90									
\$ 10 DCB Decachlorobiphenyl									
1	100	12.785	12.785	0.000	5395483	0.006523			
2	100	14.216	14.216	0.000	2677795	0.006199			
RPD = 5.09									

QC Flag Legend

Processing Flags

1 - Missing Peaks

Report Date: 25-Apr-2013 07:51:26

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP3\20130424-19209.b\P3042439.D

Injection Date: 24-Apr-2013 22:55:08

Limit Group: GC 8081 D0D ICAL

Client ID:

Instrument ID: A2HP3

Lims Batch ID: 83400

Lims Sample ID: 52

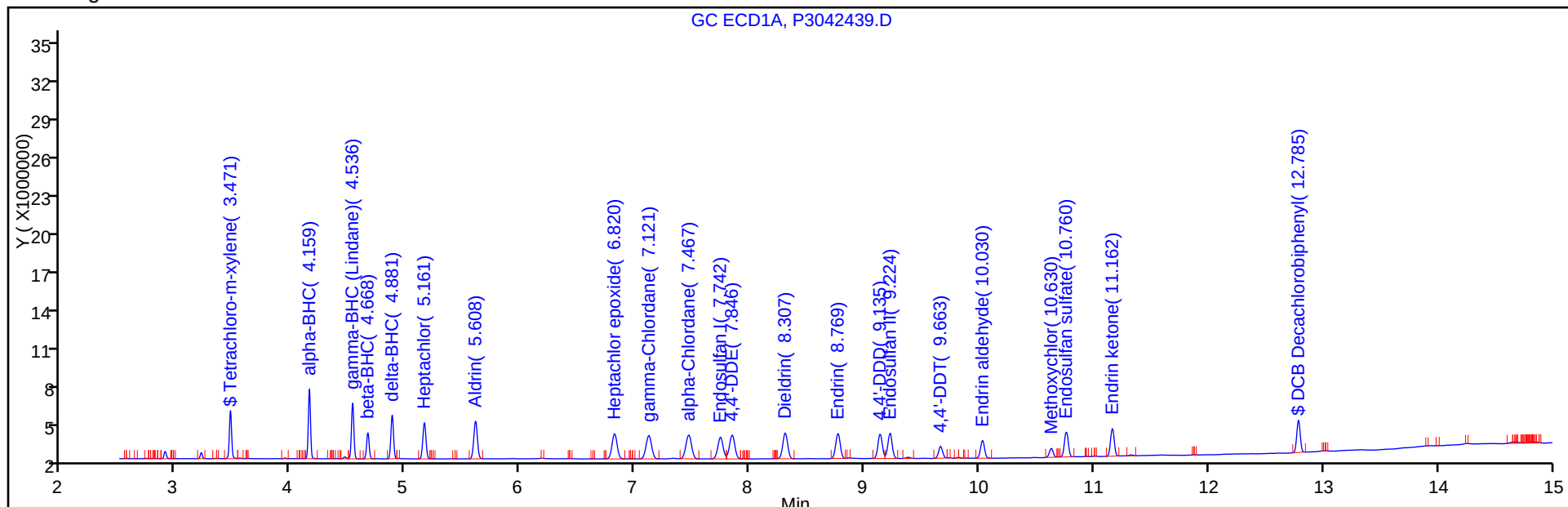
Operator ID: 402582

Injection Vol: 1.0 ul

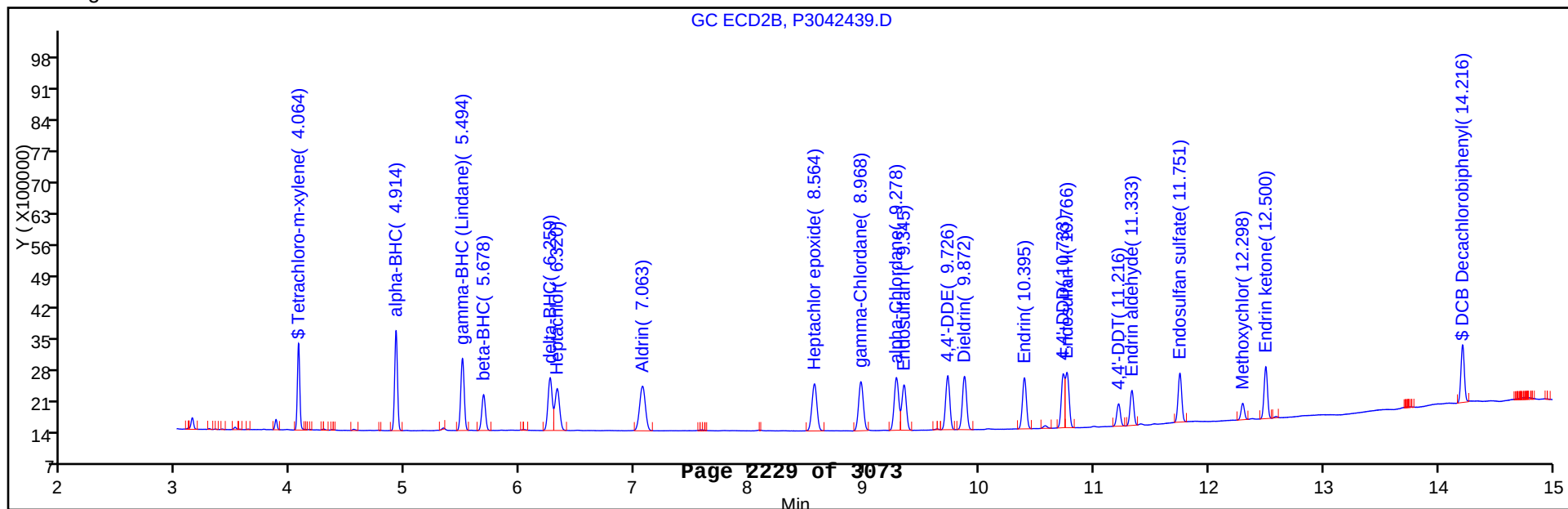
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22852-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MRL 240-83400/52

Matrix: Solid Lab File ID: P3042439.D

Analysis Method: 8081/DOD Date Collected: _____

Extraction Method: _____ Date Extracted: _____

Sample wt/vol: 1(mL) Date Analyzed: 04/24/2013 22:55

Con. Extract Vol.: _____ Dilution Factor: 1

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

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

Analysis Batch No.: 83400 Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	4,4'-DDD	0.00720	^	0.0050	0.0010	0.00096
72-55-9	4,4'-DDE	0.00613		0.0050	0.0010	0.00097
50-29-3	4,4'-DDT	0.00363	J	0.0050	0.0030	0.0016
309-00-2	Aldrin	0.00611		0.0050	0.0010	0.00082
319-84-6	alpha-BHC	0.00538		0.0050	0.0010	0.00070
5103-71-9	alpha-Chlordane	0.00633		0.0050	0.0010	0.0014
319-85-7	beta-BHC	0.00642		0.0050	0.0010	0.00084
319-86-8	delta-BHC	0.00478	J	0.0050	0.0010	0.00087
60-57-1	Dieldrin	0.00619		0.0050	0.0010	0.00075
959-98-8	Endosulfan I	0.00600		0.0050	0.0010	0.0013
33213-65-9	Endosulfan II	0.00651		0.0050	0.0010	0.0012
1031-07-8	Endosulfan sulfate	0.00624		0.0050	0.0010	0.0011
72-20-8	Endrin	0.00610		0.0050	0.0010	0.0011
7421-93-4	Endrin aldehyde	0.00534		0.0050	0.0010	0.0011
53494-70-5	Endrin ketone	0.00565		0.0050	0.0010	0.00078
58-89-9	gamma-BHC (Lindane)	0.00538		0.0050	0.0010	0.00064
5103-74-2	gamma-Chlordane	0.00629		0.0050	0.0010	0.0012
76-44-8	Heptachlor	0.00542		0.0050	0.0010	0.00080
1024-57-3	Heptachlor epoxide	0.00626		0.0050	0.0010	0.00071
72-43-5	Methoxychlor	0.00487	J	0.010	0.0030	0.0032

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	124		50-150
877-09-8	Tetrachloro-m-xylene	118		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP3\20130424-19209.b\P3042439.D
 Lims ID: MRL Client ID:
 Inject. Date: 24-Apr-2013 22:55:08 Dil. Factor: 1.0000
 Sample Type: MRL
 Sample ID: 240-0019209-005
 Misc. Info.:
 Operator: 402582 Instrument ID: A2HP3
 Injection Vol: 1.0 ul ALS Bottle#: 39
 Lims Batch ID: 83400 Lims Sample ID: 52
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCCChrom\ChromData\A2HP3\20130424-19209.b\PEST3.m
 Last Update: 25-Apr-2013 07:51:18 Calib Date: 23-Apr-2013 17:41:50
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP3\20130423-19186.b\P3042315.D
 Limit Group: GC 8081 D0D ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK034

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

\$ 29 Tetrachloro-m-xylene

1	100	3.471	3.471	0.000	5314741	0.006024			
2	100	4.064	4.064	0.000	2835947	0.005907			

RPD = 1.96

12 Diallate

1	100		3.734						
1	2		4.041						
2	100		4.309						
2	2		4.644						

24 Hexachlorobenzene

1	100		3.944						
2	100		4.681						

5 alpha-BHC

1	100	4.159	4.159	0.000	7485916	0.005507			
2	100	4.914	4.915	-0.001	3839828	0.005377			

RPD = 2.40

20 gamma-BHC (Lindane)

1	100	4.536	4.537	-0.001	6575419	0.005441			
2	100	5.494	5.494	0.000	3372093	0.005379			

RPD = 1.13

7 beta-BHC

1	100	4.668	4.669	-0.001	3250938	0.006261			
2	100	5.678	5.678	0.000	1788268	0.006417			

RPD = 2.46

11 delta-BHC

1	100	4.881	4.882	-0.001	5551676	0.004535			
2	100	6.259	6.259	0.000	3104090	0.004782			

RPD = 5.31

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
8 Chlordane (technical)									1
1	100		5.049						
1	2		5.898						
1	3		7.121						
1	4		7.462						
2	100		6.017						
2	2		7.584						
2	3		8.968						
2	4		9.279						
22 Heptachlor									
1	100	5.161	5.162	-0.001	5536367	0.005365			
2	100	6.320	6.319	0.001	2676332	0.005415			
							RPD = 0.94		
4 Aldrin									
1	100	5.608	5.610	-0.002	6590352	0.006057			
2	100	7.063	7.064	-0.001	3536516	0.006108			
							RPD = 0.84		
25 Isodrin									
1	100		6.191						
2	100		8.092						
23 Heptachlor epoxide									
1	100	6.820	6.821	-0.001	6286436	0.006332			
2	100	8.564	8.563	0.001	3217386	0.006264			
							RPD = 1.08		
21 gamma-Chlordane									
1	100	7.121	7.120	0.001	6328534	0.006336			
2	100	8.968	8.969	-0.001	3201443	0.006293			
							RPD = 0.68		
6 alpha-Chlordane									
1	100	7.467	7.469	-0.002	6552977	0.006404			
2	100	9.278	9.278	0.000	3310790	0.006335			
							RPD = 1.09		
14 Endosulfan I									
1	100	7.742	7.745	-0.003	5601147	0.006179			
2	100	9.345	9.346	-0.001	2753001	0.005996			
							RPD = 3.02		
2 4,4'-DDE									
1	100	7.846	7.849	-0.003	6190873	0.006390			
2	100	9.726	9.725	0.001	3043800	0.006126			
							RPD = 4.22		
28 Mirex									1
1	100		8.279						
2	100		9.197						
13 Dieldrin									
1	100	8.307	8.309	-0.002	6119535	0.006130			
2	100	9.872	9.872	0.000	3095670	0.006185			
							RPD = 0.91		
17 Endrin									
1	100	8.769	8.769	0.000	5507267	0.005925			
2	100	10.395	10.395	0.000	2795972	0.006097			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
26 Kepone									
1	100		8.847						
2	100		10.561						
1 4,4'-DDD									
1	100	9.135	9.136	-0.001	5192289	0.006942			
2	100	10.733	10.734	-0.001	2511521	0.007203			
RPD = 3.69									
15 Endosulfan II									
1	100	9.224	9.221	0.003	5311944	0.006325			
2	100	10.766	10.765	0.001	2782491	0.006510			
RPD = 2.87									
9 Chlorobenzilate									
1	100		9.243						
2	100		10.562						
3 4,4'-DDT									
1	100	9.663	9.665	-0.002	2311534	0.003287			
2	100	11.216	11.216	0.000	1124398	0.003630			
RPD = 9.92									
18 Endrin aldehyde									
1	100	10.030	10.029	0.001	3455642	0.005364			
2	100	11.333	11.332	0.001	1726499	0.005341			
RPD = 0.43									
30 Toxaphene									
1	1		10.218						1
1	2		10.565						
1	3		10.717						
1	4		11.134						
1	5		11.404						
2	100		10.320						
2	2		10.915						
2	3		11.336						
2	4		12.077						
2	5		12.638						
27 Methoxychlor									
1	100	10.630	10.630	0.000	1622085	0.004587			
2	100	12.298	12.297	0.001	751346	0.004872			
RPD = 6.04									
16 Endosulfan sulfate									
1	100	10.760	10.761	-0.001	4782686	0.006165			
2	100	11.751	11.750	0.001	2396977	0.006239			
RPD = 1.18									
19 Endrin ketone									
1	100	11.162	11.161	0.001	4975948	0.005540			
2	100	12.500	12.499	0.001	2426949	0.005646			
RPD = 1.90									
\$ 10 DCB Decachlorobiphenyl									
1	100	12.785	12.785	0.000	5395483	0.006523			
2	100	14.216	14.216	0.000	2677795	0.006199			
RPD = 5.09									

QC Flag Legend

Processing Flags

1 - Missing Peaks

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP3\20130424-19209.b\P3042439.D

Injection Date: 24-Apr-2013 22:55:08

Limit Group: GC 8081 D0D ICAL

Client ID:

Instrument ID: A2HP3

Lims Batch ID: 83400

Lims Sample ID: 52

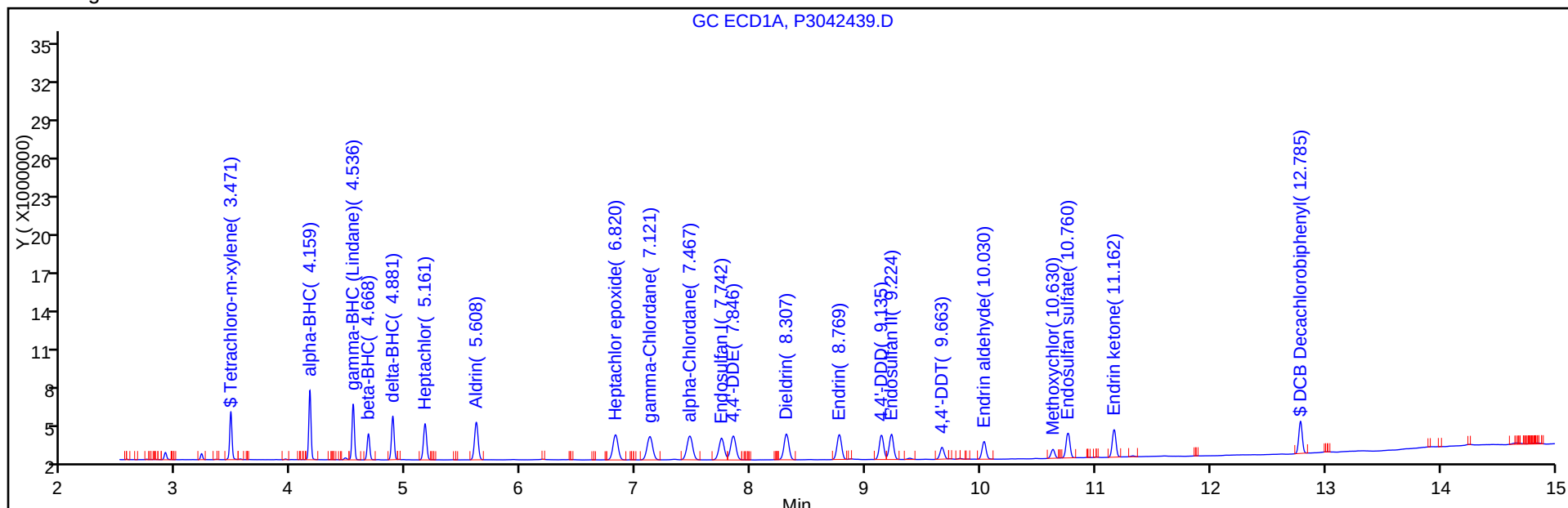
Operator ID: 402582

Injection Vol: 1.0 ul

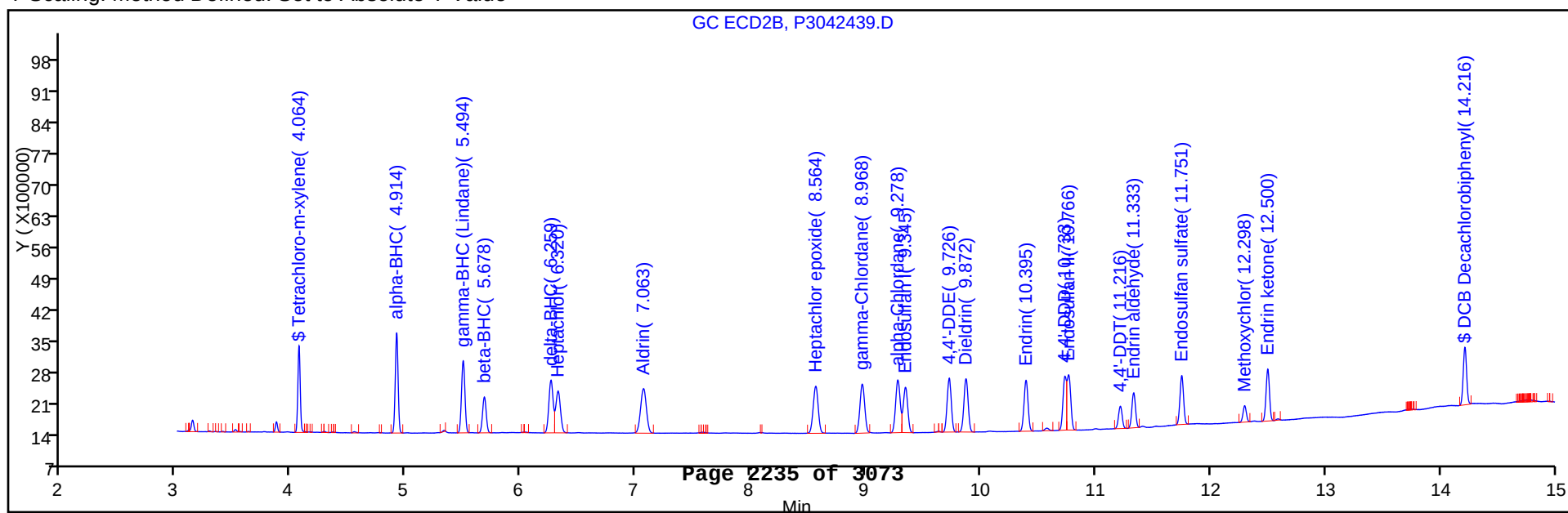
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22852-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MRL 240-83482/8
 Matrix: Solid Lab File ID: P3042508.D
 Analysis Method: 8081/DOD Date Collected: _____
 Extraction Method: _____ Date Extracted: _____
 Sample wt/vol: 1(mL) Date Analyzed: 04/25/2013 10:17
 Con. Extract Vol.: _____ Dilution Factor: 1
 Injection Volume: 1(uL) GC Column: CLP-1 ID: 0.53(mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 83482 Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	4,4'-DDD	0.00571		0.0050	0.0010	0.00096
72-55-9	4,4'-DDE	0.00589		0.0050	0.0010	0.00097
50-29-3	4,4'-DDT	0.00545		0.0050	0.0030	0.0016
309-00-2	Aldrin	0.00586		0.0050	0.0010	0.00082
319-84-6	alpha-BHC	0.00522		0.0050	0.0010	0.00070
5103-71-9	alpha-Chlordane	0.00587		0.0050	0.0010	0.0014
319-85-7	beta-BHC	0.00595		0.0050	0.0010	0.00084
319-86-8	delta-BHC	0.00512		0.0050	0.0010	0.00087
60-57-1	Dieldrin	0.00594		0.0050	0.0010	0.00075
959-98-8	Endosulfan I	0.00578		0.0050	0.0010	0.0013
33213-65-9	Endosulfan II	0.00603		0.0050	0.0010	0.0012
1031-07-8	Endosulfan sulfate	0.00624		0.0050	0.0010	0.0011
72-20-8	Endrin	0.00569		0.0050	0.0010	0.0011
7421-93-4	Endrin aldehyde	0.00615		0.0050	0.0010	0.0011
53494-70-5	Endrin ketone	0.00605		0.0050	0.0010	0.00078
58-89-9	gamma-BHC (Lindane)	0.00523		0.0050	0.0010	0.00064
5103-74-2	gamma-Chlordane	0.00572		0.0050	0.0010	0.0012
76-44-8	Heptachlor	0.00546		0.0050	0.0010	0.00080
1024-57-3	Heptachlor epoxide	0.00569		0.0050	0.0010	0.00071
72-43-5	Methoxychlor	0.00633	J	0.010	0.0030	0.0032
8001-35-2	Toxaphene	0.050	U	0.20	0.050	0.032

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	134	Q	50-150
877-09-8	Tetrachloro-m-xylene	119		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP3\20130425-19246.b\P3042508.D
 Lims ID: MRL Client ID:
 Inject. Date: 25-Apr-2013 10:17:33 Dil. Factor: 1.0000
 Sample Type: MRL
 Sample ID: 240-0019246-008
 Misc. Info.:
 Operator: 402582 Instrument ID: A2HP3
 Injection Vol: 1.0 ul ALS Bottle#: 8
 Lims Batch ID: 83482 Lims Sample ID: 8
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCCChrom\ChromData\A2HP3\20130425-19246.b\PEST3.m
 Last Update: 25-Apr-2013 15:40:01 Calib Date: 23-Apr-2013 17:41:50
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP3\20130423-19186.b\P3042315.D
 Limit Group: GC 8081 D0D ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK034

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

\$ 29 Tetrachloro-m-xylene

1	100	3.471	3.472	-0.001	5234116	0.005932			
2	100	4.066	4.066	0.000	2781942	0.005794			

RPD = 2.35

12 Diallate

1	100		3.734						
1	2		4.041						
2	100		4.309						
2	2		4.644						

1

24 Hexachlorobenzene

1	100		3.944						
2	100		4.681						

5 alpha-BHC

1	100	4.161	4.160	0.001	7093678	0.005219			
2	100	4.916	4.917	-0.001	3618909	0.005068			

RPD = 2.94

20 gamma-BHC (Lindane)

1	100	4.538	4.537	0.001	6321302	0.005230			
2	100	5.495	5.496	-0.001	3273222	0.005222			

RPD = 0.16

7 beta-BHC

1	100	4.670	4.670	0.000	3089678	0.005950			
2	100	5.681	5.681	0.000	1674952	0.006010			

RPD = 1.01

11 delta-BHC

1	100	4.882	4.883	-0.001	6264994	0.005117			
2	100	6.261	6.262	-0.001	3327377	0.005126			

RPD = 0.17

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
8 Chlordane (technical)									1
1	100		5.050						
1	2		5.900						
1	3		7.123						
1	4		7.464						
2	100		6.021						
2	2		7.589						
2	3		8.971						
2	4		9.281						
22 Heptachlor									
1	100	5.164	5.163	0.001	5631340	0.005457			
2	100	6.322	6.325	-0.003	2724599	0.005513			
							RPD = 1.03		
4 Aldrin									
1	100	5.610	5.611	-0.001	6378573	0.005862			
2	100	7.068	7.068	0.000	3382361	0.005841			
							RPD = 0.35		
25 Isodrin									
1	100		6.191						
2	100		8.092						
23 Heptachlor epoxide									
1	100	6.823	6.823	0.000	5653021	0.005694			
2	100	8.566	8.568	-0.002	2916633	0.005678			
							RPD = 0.28		
21 gamma-Chlordane									
1	100	7.122	7.123	-0.001	5709200	0.005716			
2	100	8.973	8.973	0.000	2935099	0.005769			
							RPD = 0.94		
6 alpha-Chlordane									
1	100	7.470	7.470	0.000	6001614	0.005866			
2	100	9.281	9.282	-0.001	3013761	0.005767			
							RPD = 1.70		
14 Endosulfan I									
1	100	7.747	7.747	0.000	5241648	0.005783			
2	100	9.348	9.349	-0.001	2604590	0.005672			
							RPD = 1.93		
2 4,4'-DDE									
1	100	7.850	7.850	0.000	5702433	0.005886			
2	100	9.727	9.729	-0.002	2858097	0.005752			
							RPD = 2.30		
28 Mirex									1
1	100		8.279						
2	100		9.197						
13 Dieldrin									
1	100	8.311	8.312	-0.001	5932694	0.005943			
2	100	9.874	9.875	-0.001	2769726	0.005534			
							RPD = 7.12		
17 Endrin									
1	100	8.771	8.771	0.000	5289119	0.005690			
2	100	10.396	10.398	-0.002	2532830	0.005523			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
26 Kepone									
1	100		8.847						1
2	100		10.561						
1 4,4'-DDD									
1	100	9.140	9.139	0.001	4272024	0.005712			
2	100	10.740	10.737	0.003	2044768	0.005864			
RPD = 2.64									
15 Endosulfan II									
1	100	9.224	9.223	0.001	5061679	0.006027			
2	100	10.768	10.768	0.000	2625041	0.006141			
RPD = 1.87									
9 Chlorobenzilate									
1	100		9.243						1
2	100		10.562						
3 4,4'-DDT									
1	100	9.666	9.665	0.001	3833989	0.005452			
2	100	11.218	11.218	0.000	1752100	0.005657			
RPD = 3.69									
18 Endrin aldehyde									
1	100	10.030	10.030	0.000	3962570	0.006150			
2	100	11.335	11.335	0.000	1909259	0.005906			
RPD = 4.05									
30 Toxaphene									
1	1		10.220						1
1	2		10.564						
1	3		10.718						
1	4		11.135						
1	5		11.407						
2	100		10.324						
2	2		10.917						
2	3		11.339						
2	4		12.081						
2	5		12.641						
27 Methoxychlor									
1	100	10.629	10.631	-0.002	2240464	0.006335			
2	100	12.300	12.300	0.000	979025	0.006349			
RPD = 0.22									
16 Endosulfan sulfate									
1	100	10.762	10.762	0.000	4843142	0.006243			
2	100	11.752	11.752	0.000	2441713	0.006355			
RPD = 1.78									
19 Endrin ketone									
1	100	11.162	11.164	-0.002	5432582	0.006048			
2	100	12.501	12.502	-0.001	2671739	0.006215			
RPD = 2.73									
\$ 10 DCB Decachlorobiphenyl									
1	100	12.785	12.785	0.000	5531443	0.006687			
2	100	14.216	14.217	-0.001	2924827	0.006771			
RPD = 1.25									

QC Flag Legend

Processing Flags

1 - Missing Peaks

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP3\20130425-19246.b\P3042508.D

Injection Date: 25-Apr-2013 10:17:33

Limit Group: GC 8081 D0D ICAL

Client ID:

Instrument ID: A2HP3

Lims Batch ID: 83482

Lims Sample ID: 8

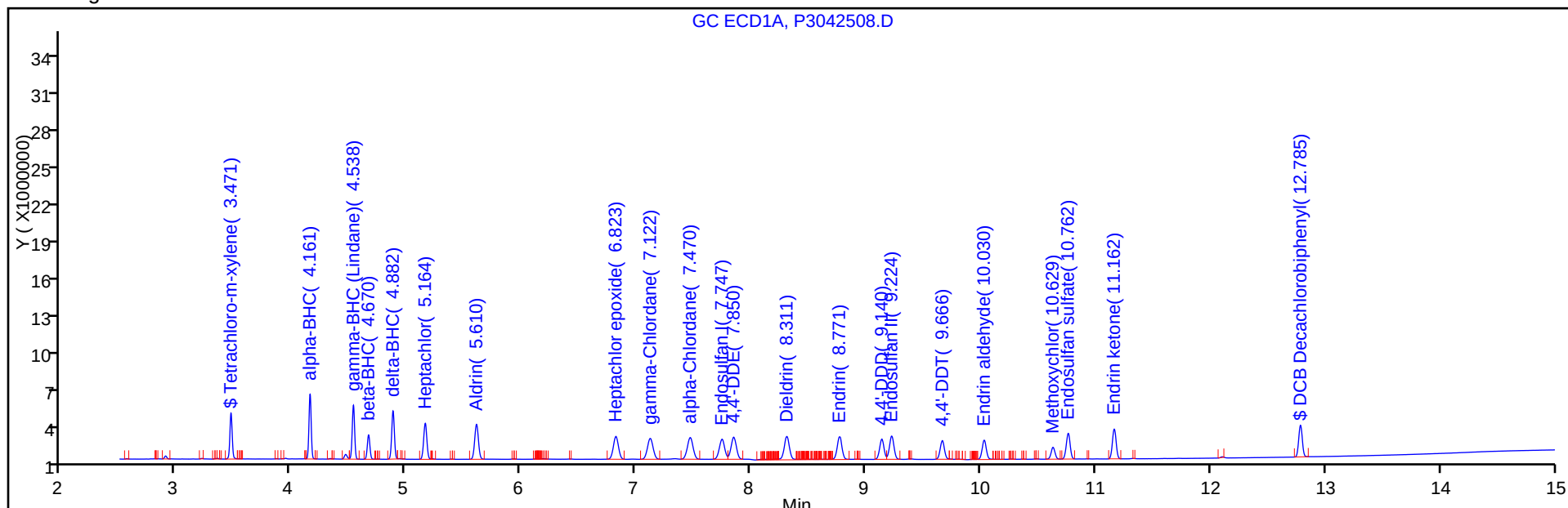
Operator ID: 402582

Injection Vol: 1.0 ul

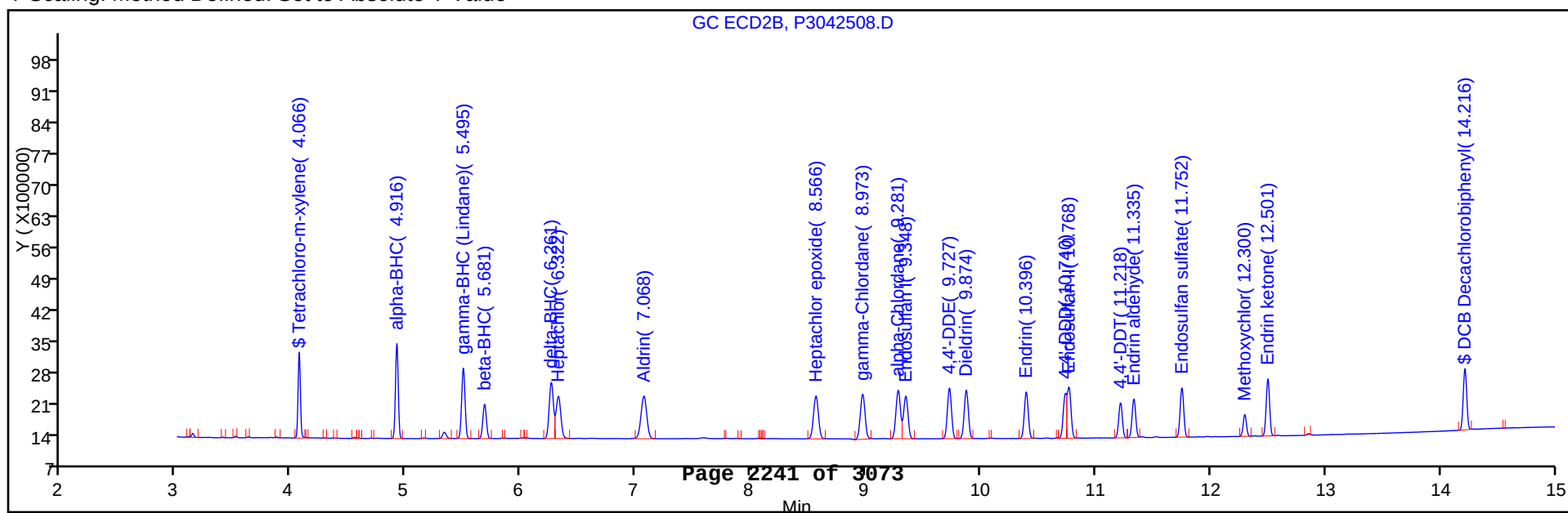
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22852-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MRL 240-83482/8

Matrix: Solid Lab File ID: P3042508.D

Analysis Method: 8081/DOD Date Collected: _____

Extraction Method: _____ Date Extracted: _____

Sample wt/vol: 1(mL) Date Analyzed: 04/25/2013 10:17

Con. Extract Vol.: _____ Dilution Factor: 1

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

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

Analysis Batch No.: 83482 Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	4,4'-DDD	0.00586		0.0050	0.0010	0.00096
72-55-9	4,4'-DDE	0.00575		0.0050	0.0010	0.00097
50-29-3	4,4'-DDT	0.00566		0.0050	0.0030	0.0016
309-00-2	Aldrin	0.00584		0.0050	0.0010	0.00082
319-84-6	alpha-BHC	0.00507		0.0050	0.0010	0.00070
5103-71-9	alpha-Chlordane	0.00577		0.0050	0.0010	0.0014
319-85-7	beta-BHC	0.00601		0.0050	0.0010	0.00084
319-86-8	delta-BHC	0.00513		0.0050	0.0010	0.00087
60-57-1	Dieldrin	0.00553		0.0050	0.0010	0.00075
959-98-8	Endosulfan I	0.00567		0.0050	0.0010	0.0013
33213-65-9	Endosulfan II	0.00614		0.0050	0.0010	0.0012
1031-07-8	Endosulfan sulfate	0.00636		0.0050	0.0010	0.0011
72-20-8	Endrin	0.00552		0.0050	0.0010	0.0011
7421-93-4	Endrin aldehyde	0.00591		0.0050	0.0010	0.0011
53494-70-5	Endrin ketone	0.00622		0.0050	0.0010	0.00078
58-89-9	gamma-BHC (Lindane)	0.00522		0.0050	0.0010	0.00064
5103-74-2	gamma-Chlordane	0.00577		0.0050	0.0010	0.0012
76-44-8	Heptachlor	0.00551		0.0050	0.0010	0.00080
1024-57-3	Heptachlor epoxide	0.00568		0.0050	0.0010	0.00071
72-43-5	Methoxychlor	0.00635	J	0.010	0.0030	0.0032
8001-35-2	Toxaphene	0.050	U	0.20	0.050	0.032

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	135	Q	50-150
877-09-8	Tetrachloro-m-xylene	116		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP3\20130425-19246.b\P3042508.D
 Lims ID: MRL Client ID:
 Inject. Date: 25-Apr-2013 10:17:33 Dil. Factor: 1.0000
 Sample Type: MRL
 Sample ID: 240-0019246-008
 Misc. Info.:
 Operator: 402582 Instrument ID: A2HP3
 Injection Vol: 1.0 ul ALS Bottle#: 8
 Lims Batch ID: 83482 Lims Sample ID: 8
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCCChrom\ChromData\A2HP3\20130425-19246.b\PEST3.m
 Last Update: 25-Apr-2013 15:40:01 Calib Date: 23-Apr-2013 17:41:50
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP3\20130423-19186.b\P3042315.D
 Limit Group: GC 8081 D0D ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK034

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

\$ 29 Tetrachloro-m-xylene

1	100	3.471	3.472	-0.001	5234116	0.005932			
2	100	4.066	4.066	0.000	2781942	0.005794			

RPD = 2.35

12 Diallate

1	100		3.734						
1	2		4.041						
2	100		4.309						
2	2		4.644						

1

24 Hexachlorobenzene

1	100		3.944						
2	100		4.681						

5 alpha-BHC

1	100	4.161	4.160	0.001	7093678	0.005219			
2	100	4.916	4.917	-0.001	3618909	0.005068			

RPD = 2.94

20 gamma-BHC (Lindane)

1	100	4.538	4.537	0.001	6321302	0.005230			
2	100	5.495	5.496	-0.001	3273222	0.005222			

RPD = 0.16

7 beta-BHC

1	100	4.670	4.670	0.000	3089678	0.005950			
2	100	5.681	5.681	0.000	1674952	0.006010			

RPD = 1.01

11 delta-BHC

1	100	4.882	4.883	-0.001	6264994	0.005117			
2	100	6.261	6.262	-0.001	3327377	0.005126			

RPD = 0.17

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
8 Chlordane (technical)									1
1	100		5.050						
1	2		5.900						
1	3		7.123						
1	4		7.464						
2	100		6.021						
2	2		7.589						
2	3		8.971						
2	4		9.281						
22 Heptachlor									
1	100	5.164	5.163	0.001	5631340	0.005457			
2	100	6.322	6.325	-0.003	2724599	0.005513			
							RPD = 1.03		
4 Aldrin									
1	100	5.610	5.611	-0.001	6378573	0.005862			
2	100	7.068	7.068	0.000	3382361	0.005841			
							RPD = 0.35		
25 Isodrin									
1	100		6.191						
2	100		8.092						
23 Heptachlor epoxide									
1	100	6.823	6.823	0.000	5653021	0.005694			
2	100	8.566	8.568	-0.002	2916633	0.005678			
							RPD = 0.28		
21 gamma-Chlordane									
1	100	7.122	7.123	-0.001	5709200	0.005716			
2	100	8.973	8.973	0.000	2935099	0.005769			
							RPD = 0.94		
6 alpha-Chlordane									
1	100	7.470	7.470	0.000	6001614	0.005866			
2	100	9.281	9.282	-0.001	3013761	0.005767			
							RPD = 1.70		
14 Endosulfan I									
1	100	7.747	7.747	0.000	5241648	0.005783			
2	100	9.348	9.349	-0.001	2604590	0.005672			
							RPD = 1.93		
2 4,4'-DDE									
1	100	7.850	7.850	0.000	5702433	0.005886			
2	100	9.727	9.729	-0.002	2858097	0.005752			
							RPD = 2.30		
28 Mirex									1
1	100		8.279						
2	100		9.197						
13 Dieldrin									
1	100	8.311	8.312	-0.001	5932694	0.005943			
2	100	9.874	9.875	-0.001	2769726	0.005534			
							RPD = 7.12		
17 Endrin									
1	100	8.771	8.771	0.000	5289119	0.005690			
2	100	10.396	10.398	-0.002	2532830	0.005523			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
26 Kepone									
1	100		8.847						1
2	100		10.561						
1 4,4'-DDD									
1	100	9.140	9.139	0.001	4272024	0.005712			
2	100	10.740	10.737	0.003	2044768	0.005864			
RPD = 2.64									
15 Endosulfan II									
1	100	9.224	9.223	0.001	5061679	0.006027			
2	100	10.768	10.768	0.000	2625041	0.006141			
RPD = 1.87									
9 Chlorobenzilate									
1	100		9.243						1
2	100		10.562						
3 4,4'-DDT									
1	100	9.666	9.665	0.001	3833989	0.005452			
2	100	11.218	11.218	0.000	1752100	0.005657			
RPD = 3.69									
18 Endrin aldehyde									
1	100	10.030	10.030	0.000	3962570	0.006150			
2	100	11.335	11.335	0.000	1909259	0.005906			
RPD = 4.05									
30 Toxaphene									
1	1		10.220						1
1	2		10.564						
1	3		10.718						
1	4		11.135						
1	5		11.407						
2	100		10.324						
2	2		10.917						
2	3		11.339						
2	4		12.081						
2	5		12.641						
27 Methoxychlor									
1	100	10.629	10.631	-0.002	2240464	0.006335			
2	100	12.300	12.300	0.000	979025	0.006349			
RPD = 0.22									
16 Endosulfan sulfate									
1	100	10.762	10.762	0.000	4843142	0.006243			
2	100	11.752	11.752	0.000	2441713	0.006355			
RPD = 1.78									
19 Endrin ketone									
1	100	11.162	11.164	-0.002	5432582	0.006048			
2	100	12.501	12.502	-0.001	2671739	0.006215			
RPD = 2.73									
\$ 10 DCB Decachlorobiphenyl									
1	100	12.785	12.785	0.000	5531443	0.006687			
2	100	14.216	14.217	-0.001	2924827	0.006771			
RPD = 1.25									

QC Flag Legend

Processing Flags

1 - Missing Peaks

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP3\20130425-19246.b\P3042508.D

Injection Date: 25-Apr-2013 10:17:33

Limit Group: GC 8081 D0D ICAL

Client ID:

Instrument ID: A2HP3

Lims Batch ID: 83482

Lims Sample ID: 8

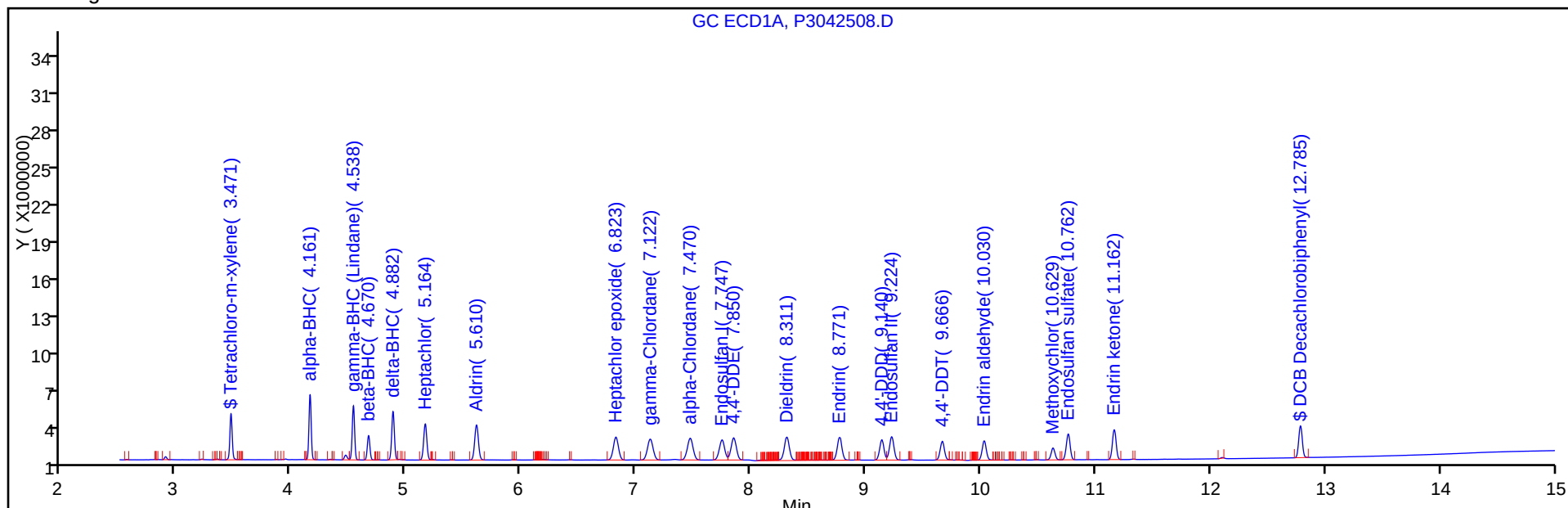
Operator ID: 402582

Injection Vol: 1.0 ul

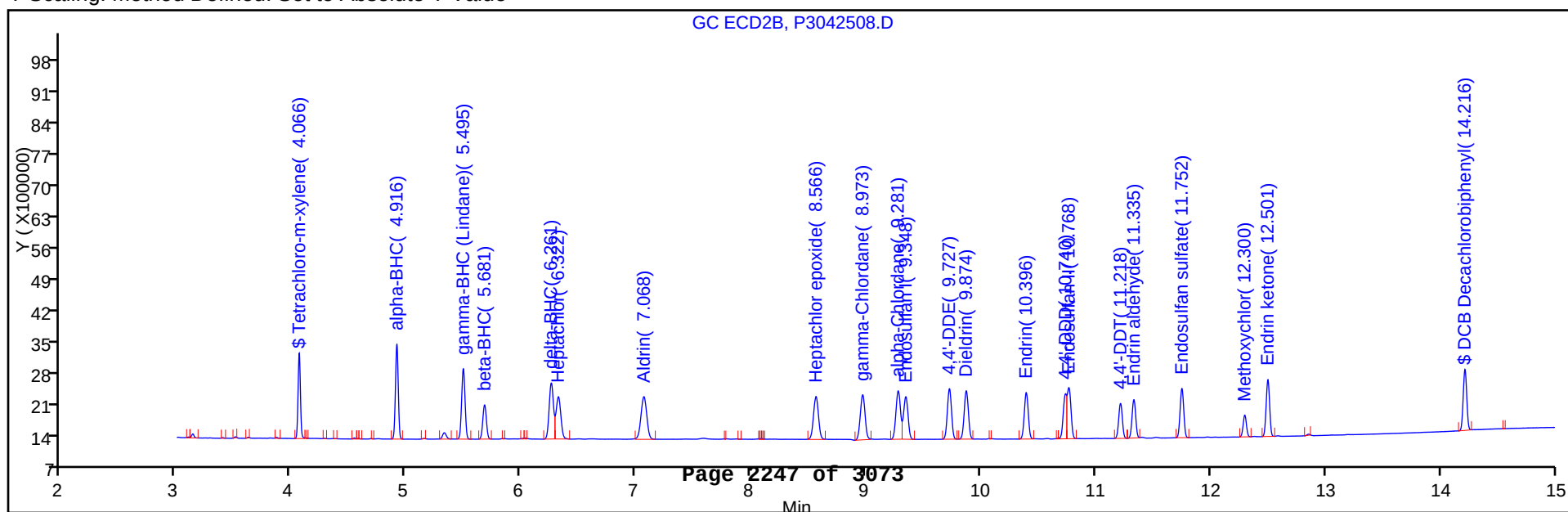
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22852-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MRL 240-83482/23
 Matrix: Solid Lab File ID: P3042523.D
 Analysis Method: 8081/DOD Date Collected: _____
 Extraction Method: _____ Date Extracted: _____
 Sample wt/vol: 1(mL) Date Analyzed: 04/25/2013 15:20
 Con. Extract Vol.: 1.0(mL) Dilution Factor: 1
 Injection Volume: 1(uL) GC Column: CLP-1 ID: 0.53(mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 83482 Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	4,4'-DDD	0.00639		0.0050	0.0010	0.00096
72-55-9	4,4'-DDE	0.00599		0.0050	0.0010	0.00097
50-29-3	4,4'-DDT	0.00457	J	0.0050	0.0030	0.0016
309-00-2	Aldrin	0.00593		0.0050	0.0010	0.00082
319-84-6	alpha-BHC	0.00541		0.0050	0.0010	0.00070
5103-71-9	alpha-Chlordane	0.00617		0.0050	0.0010	0.0014
319-85-7	beta-BHC	0.00612		0.0050	0.0010	0.00084
319-86-8	delta-BHC	0.00543		0.0050	0.0010	0.00087
60-57-1	Dieldrin	0.00587	M	0.0050	0.0010	0.00075
959-98-8	Endosulfan I	0.00622		0.0050	0.0010	0.0013
33213-65-9	Endosulfan II	0.00613		0.0050	0.0010	0.0012
1031-07-8	Endosulfan sulfate	0.00645		0.0050	0.0010	0.0011
72-20-8	Endrin	0.00559		0.0050	0.0010	0.0011
7421-93-4	Endrin aldehyde	0.00622		0.0050	0.0010	0.0011
53494-70-5	Endrin ketone	0.00635		0.0050	0.0010	0.00078
58-89-9	gamma-BHC (Lindane)	0.00541		0.0050	0.0010	0.00064
5103-74-2	gamma-Chlordane	0.00608		0.0050	0.0010	0.0012
76-44-8	Heptachlor	0.00546		0.0050	0.0010	0.00080
1024-57-3	Heptachlor epoxide	0.00608		0.0050	0.0010	0.00071
72-43-5	Methoxychlor	0.00639	J	0.010	0.0030	0.0032
8001-35-2	Toxaphene	0.050	U	0.20	0.050	0.032

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	133	Q	50-150
877-09-8	Tetrachloro-m-xylene	116		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP3\20130425-19246.b\P3042523.D
 Lims ID: MRL Client ID:
 Inject. Date: 25-Apr-2013 15:20:10 Dil. Factor: 1.0000
 Sample Type: MRL
 Sample ID: 240-0019246-023
 Misc. Info.:
 Operator: 402582 Instrument ID: A2HP3
 Injection Vol: 1.0 ul ALS Bottle#: 23
 Lims Batch ID: 83482 Lims Sample ID: 23
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCCChrom\ChromData\A2HP3\20130425-19246.b\PEST3.m
 Last Update: 26-Apr-2013 16:00:49 Calib Date: 23-Apr-2013 17:41:50
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP3\20130423-19186.b\P3042315.D
 Limit Group: GC 8081 D0D ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK026

First Level Reviewer: vandorenc

Date: 26-Apr-2013 15:53:12

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

\$ 29 Tetrachloro-m-xylene

1	100	3.472	3.472	0.000	5114728	0.005797			
2	100	4.067	4.066	0.001	2747145	0.005722			

RPD = 1.30

12 Diallate

1	100		3.734						
1	2		4.041						
2	100		4.309						
2	2		4.644						

1

24 Hexachlorobenzene

1	100		3.944						
2	100		4.681						

5 alpha-BHC

1	100	4.161	4.160	0.001	7349475	0.005407			
2	100	4.917	4.917	0.000	3763808	0.005271			

RPD = 2.56

20 gamma-BHC (Lindane)

1	100	4.538	4.537	0.001	6540160	0.005411			
2	100	5.496	5.497	-0.001	3403230	0.005429			

RPD = 0.33

7 beta-BHC

1	100	4.670	4.670	0.000	3178001	0.006120			
2	100	5.681	5.681	0.000	1735323	0.006227			

RPD = 1.73

11 delta-BHC

1	100	4.883	4.882	0.001	6643497	0.005426			
2	100	6.261	6.261	0.000	3522000	0.005426			

RPD = 0.01

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
8 Chlordane (technical)									1
1	100		5.050						
1	2		5.900						
1	3		7.123						
1	4		7.464						
2	100		6.021						
2	2		7.589						
2	3		8.971						
2	4		9.281						
22 Heptachlor									
1	100	5.163	5.163	0.000	5631357	0.005457			
2	100	6.323	6.323	0.000	2795237	0.005656			
							RPD = 3.59		
4 Aldrin									
1	100	5.610	5.611	-0.001	6451103	0.005929			
2	100	7.067	7.068	-0.001	3395159	0.005863			
							RPD = 1.11		
25 Isodrin									
1	100		6.191						
2	100		8.092						
23 Heptachlor epoxide									
1	100	6.823	6.823	0.000	6038404	0.006082			
2	100	8.567	8.567	0.000	3110438	0.006055			
							RPD = 0.44		
21 gamma-Chlordane									
1	100	7.122	7.122	0.000	6074508	0.006081			
2	100	8.972	8.973	-0.001	3110512	0.006114			
							RPD = 0.54		
6 alpha-Chlordane									
1	100	7.470	7.470	0.000	6316990	0.006174			
2	100	9.283	9.279	0.004	3179546	0.006084			
							RPD = 1.47		
14 Endosulfan I									
1	100	7.748	7.747	0.001	5636419	0.006218			
2	100	9.348	9.348	0.000	2793326	0.006084			
							RPD = 2.19		
2 4,4'-DDE									
1	100	7.850	7.849	0.001	5806108	0.005993			
2	100	9.728	9.727	0.001	2896417	0.005829			
							RPD = 2.77		
28 Mirex									1
1	100		8.279						
2	100		9.197						
13 Dieldrin									M
1	100	8.314	8.311	0.003	5858392	0.005868			M
2	100	9.876	9.876	0.000	2924628	0.005844			
							RPD = 0.42		
17 Endrin									
1	100	8.771	8.771	0.000	5196267	0.005590			
2	100	10.398	10.398	0.000	2540663	0.005540			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
26 Kepone									1
1	100		8.847						
2	100		10.561						
1 4,4'-DDD									
1	100	9.140	9.137	0.003	4780410	0.006391			
2	100	10.738	10.737	0.001	2382183	0.006832			
RPD = 6.67									
15 Endosulfan II									
1	100	9.226	9.225	0.001	5148936	0.006131			
2	100	10.770	10.767	0.003	2761812	0.006461			
RPD = 5.24									
9 Chlorobenzilate									1
1	100		9.243						
2	100		10.562						
3 4,4'-DDT									
1	100	9.666	9.664	0.002	3213597	0.004570			
2	100	11.218	11.218	0.000	1473200	0.004757			
RPD = 4.00									
18 Endrin aldehyde									
1	100	10.031	10.030	0.001	4006258	0.006218			
2	100	11.335	11.334	0.001	2014363	0.006231			
RPD = 0.21									
30 Toxaphene									1
1	1		10.218						
1	2		10.564						
1	3		10.717						
1	4		11.135						
1	5		11.405						
2	100		10.321						
2	2		10.915						
2	3		11.338						
2	4		12.079						
2	5		12.639						
27 Methoxychlor									
1	100	10.631	10.627	0.004	2259374	0.006388			
2	100	12.301	12.301	0.000	1012059	0.006563			
RPD = 2.70									
16 Endosulfan sulfate									
1	100	10.763	10.762	0.001	5001114	0.006447			
2	100	11.753	11.753	0.000	2545223	0.006624			
RPD = 2.72									
19 Endrin ketone									
1	100	11.164	11.164	0.000	5707490	0.006354			
2	100	12.503	12.502	0.001	2764539	0.006431			
RPD = 1.21									
\$ 10 DCB Decachlorobiphenyl									
1	100	12.786	12.785	0.001	5489169	0.006636			
2	100	14.219	14.218	0.001	2937575	0.006801			
RPD = 2.45									

QC Flag Legend

Processing Flags

1 - Missing Peaks

Review Flags

M - Manually Integrated

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP3\20130425-19246.b\P3042523.D

Injection Date: 25-Apr-2013 15:20:10

Limit Group: GC 8081 D0D ICAL

Client ID:

Instrument ID: A2HP3

Lims Batch ID: 83482

Lims Sample ID: 23

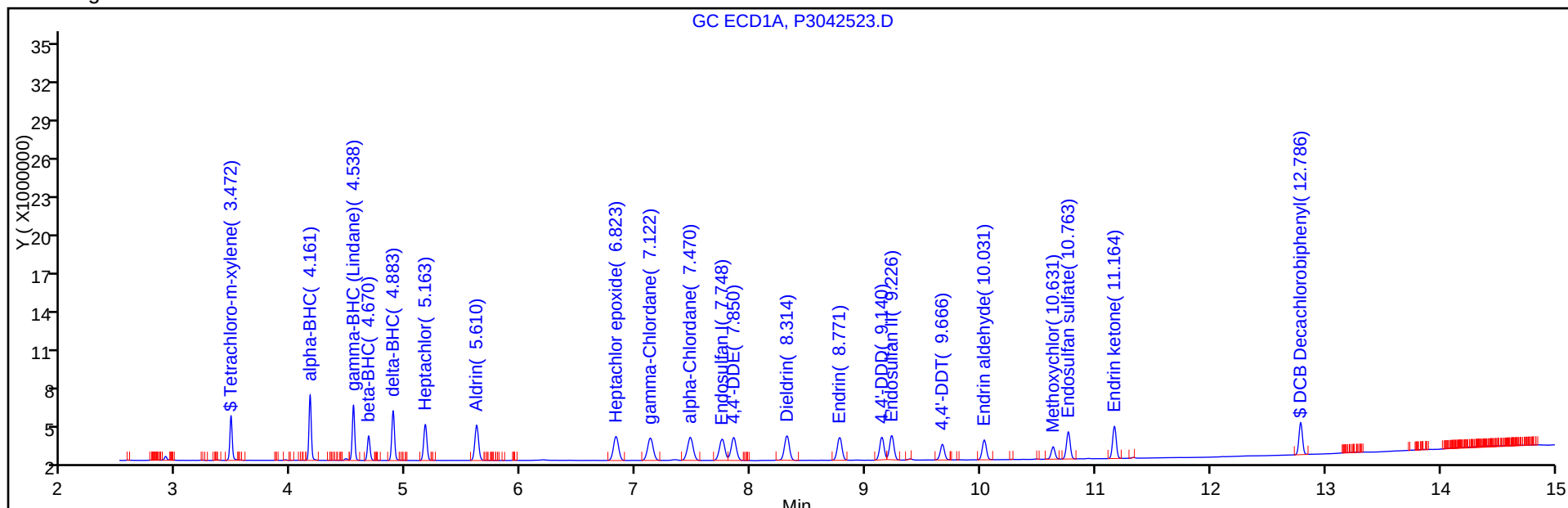
Operator ID: 402582

Injection Vol: 1.0 ul

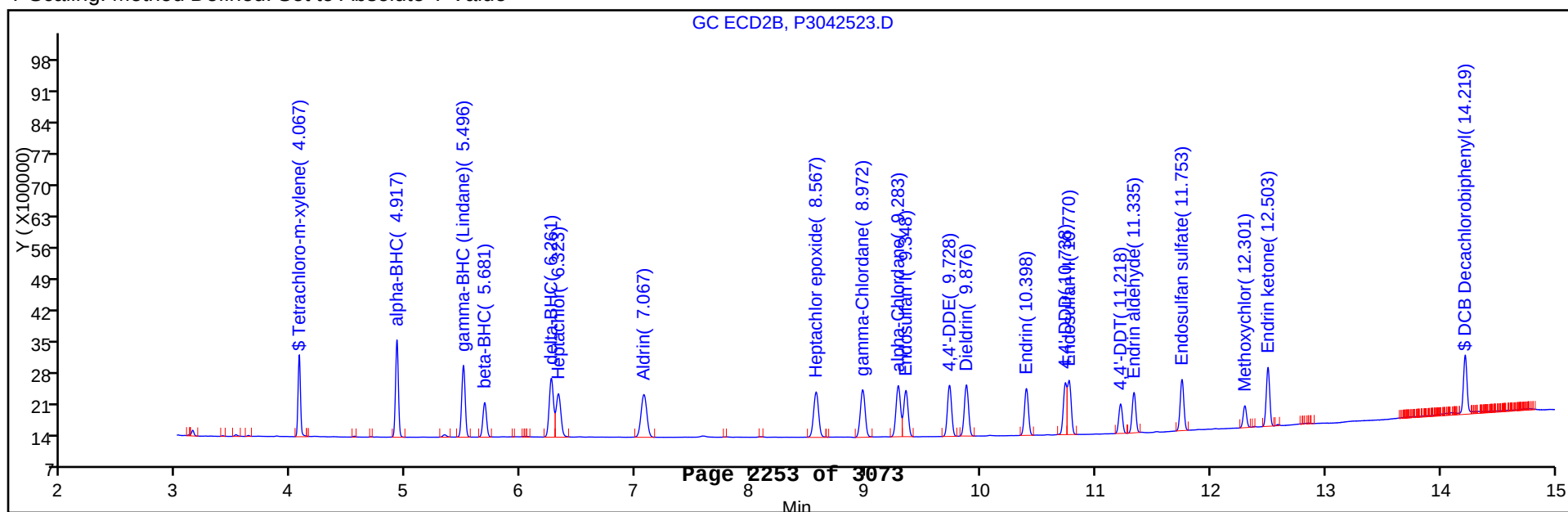
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP3\20130425-19246.b\P3042523.D

Injection Date: 25-Apr-2013 15:20:10

Limit Group: GC 8081 D0D ICAL

Client ID:

Instrument ID: A2HP3

Lims Batch ID: 83482

Lims Sample ID: 23

Operator ID: 402582

Injection Vol: 1.0 ul

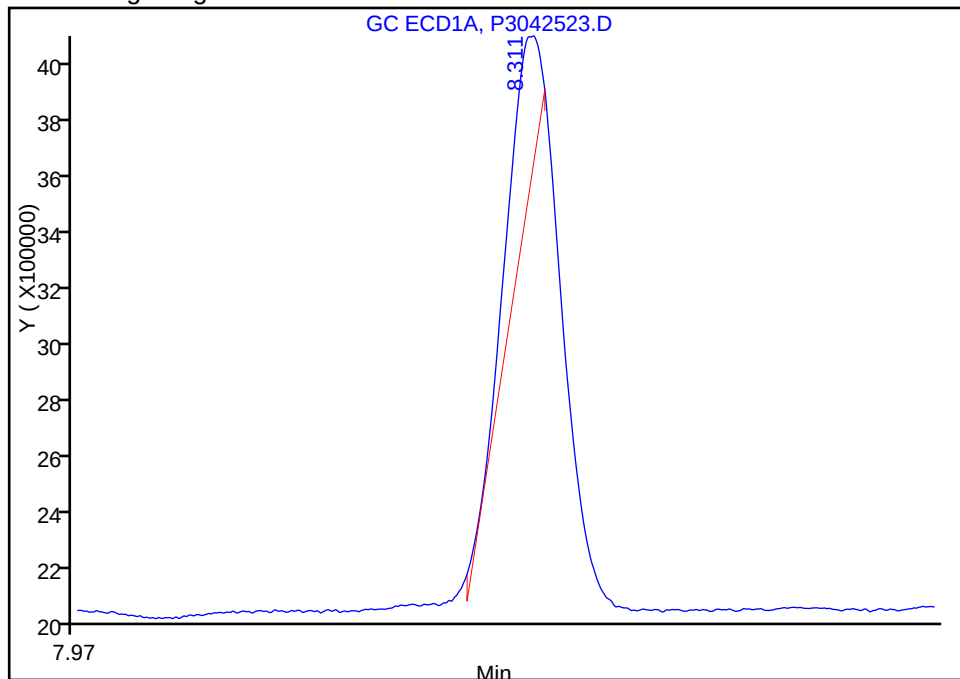
Column Type:

Column Dia:

13 Dieldrin, Signal: 1, Type: quant, RT: 8.31, Det: GC ECD1A

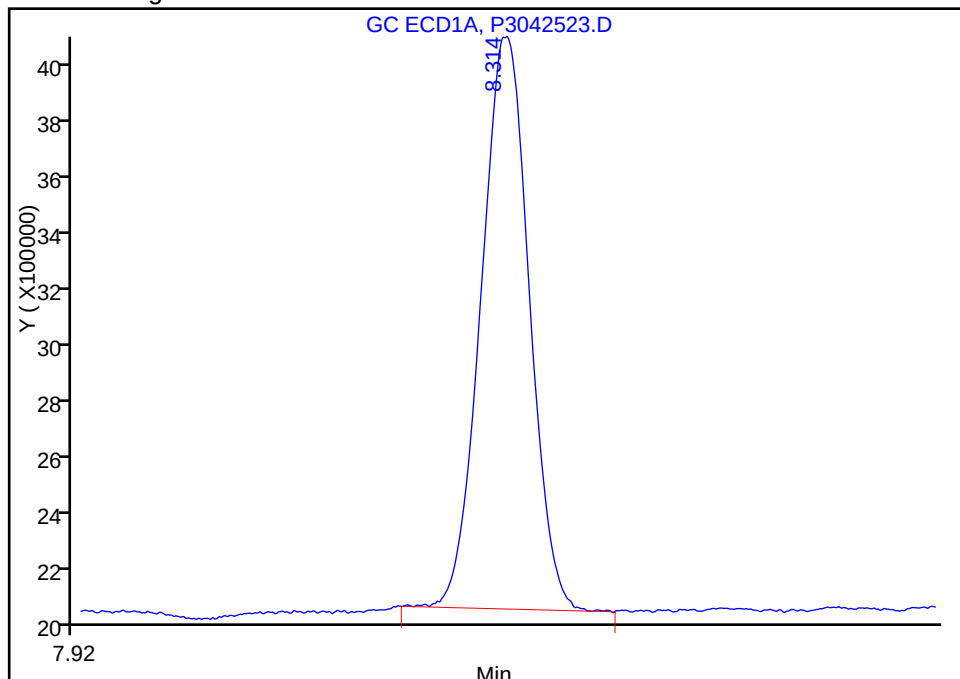
RT: 8.31
Response: 917017
Amount: 0.000919

Processing Integration Results



RT: 8.31
Response: 5858392
Amount: 0.005868

Manual Integration Results



Reviewer: vandorenc, 26-Apr-2013 16:00:49

Audit Action: Manually Integrated

Audit Reason: Baseline Event

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22852-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MRL 240-83482/23

Matrix: Solid Lab File ID: P3042523.D

Analysis Method: 8081/DOD Date Collected: _____

Extraction Method: _____ Date Extracted: _____

Sample wt/vol: 1(mL) Date Analyzed: 04/25/2013 15:20

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

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

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

Analysis Batch No.: 83482 Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	4,4'-DDD	0.00683	^	0.0050	0.0010	0.00096
72-55-9	4,4'-DDE	0.00583		0.0050	0.0010	0.00097
50-29-3	4,4'-DDT	0.00476	J	0.0050	0.0030	0.0016
309-00-2	Aldrin	0.00586		0.0050	0.0010	0.00082
319-84-6	alpha-BHC	0.00527		0.0050	0.0010	0.00070
5103-71-9	alpha-Chlordane	0.00608		0.0050	0.0010	0.0014
319-85-7	beta-BHC	0.00623		0.0050	0.0010	0.00084
319-86-8	delta-BHC	0.00543		0.0050	0.0010	0.00087
60-57-1	Dieldrin	0.00584		0.0050	0.0010	0.00075
959-98-8	Endosulfan I	0.00608		0.0050	0.0010	0.0013
33213-65-9	Endosulfan II	0.00646		0.0050	0.0010	0.0012
1031-07-8	Endosulfan sulfate	0.00662	^	0.0050	0.0010	0.0011
72-20-8	Endrin	0.00554		0.0050	0.0010	0.0011
7421-93-4	Endrin aldehyde	0.00623		0.0050	0.0010	0.0011
53494-70-5	Endrin ketone	0.00643		0.0050	0.0010	0.00078
58-89-9	gamma-BHC (Lindane)	0.00543		0.0050	0.0010	0.00064
5103-74-2	gamma-Chlordane	0.00611		0.0050	0.0010	0.0012
76-44-8	Heptachlor	0.00566		0.0050	0.0010	0.00080
1024-57-3	Heptachlor epoxide	0.00606		0.0050	0.0010	0.00071
72-43-5	Methoxychlor	0.00656	J ^	0.010	0.0030	0.0032
8001-35-2	Toxaphene	0.050	U	0.20	0.050	0.032

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	136	Q	50-150
877-09-8	Tetrachloro-m-xylene	114		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP3\20130425-19246.b\P3042523.D
 Lims ID: MRL Client ID:
 Inject. Date: 25-Apr-2013 15:20:10 Dil. Factor: 1.0000
 Sample Type: MRL
 Sample ID: 240-0019246-023
 Misc. Info.:
 Operator: 402582 Instrument ID: A2HP3
 Injection Vol: 1.0 ul ALS Bottle#: 23
 Lims Batch ID: 83482 Lims Sample ID: 23
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCCChrom\ChromData\A2HP3\20130425-19246.b\PEST3.m
 Last Update: 26-Apr-2013 16:00:49 Calib Date: 23-Apr-2013 17:41:50
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP3\20130423-19186.b\P3042315.D
 Limit Group: GC 8081 D0D ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK026

First Level Reviewer: vandorenc

Date: 26-Apr-2013 15:53:12

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

\$ 29 Tetrachloro-m-xylene

1	100	3.472	3.472	0.000	5114728	0.005797			
2	100	4.067	4.066	0.001	2747145	0.005722			

RPD = 1.30

12 Diallate

1	100		3.734						
1	2		4.041						
2	100		4.309						
2	2		4.644						

1

24 Hexachlorobenzene

1	100		3.944						
2	100		4.681						

5 alpha-BHC

1	100	4.161	4.160	0.001	7349475	0.005407			
2	100	4.917	4.917	0.000	3763808	0.005271			

RPD = 2.56

20 gamma-BHC (Lindane)

1	100	4.538	4.537	0.001	6540160	0.005411			
2	100	5.496	5.497	-0.001	3403230	0.005429			

RPD = 0.33

7 beta-BHC

1	100	4.670	4.670	0.000	3178001	0.006120			
2	100	5.681	5.681	0.000	1735323	0.006227			

RPD = 1.73

11 delta-BHC

1	100	4.883	4.882	0.001	6643497	0.005426			
2	100	6.261	6.261	0.000	3522000	0.005426			

RPD = 0.01

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
8 Chlordane (technical)									1
1	100		5.050						
1	2		5.900						
1	3		7.123						
1	4		7.464						
2	100		6.021						
2	2		7.589						
2	3		8.971						
2	4		9.281						
22 Heptachlor									
1	100	5.163	5.163	0.000	5631357	0.005457			
2	100	6.323	6.323	0.000	2795237	0.005656			
RPD = 3.59									
4 Aldrin									
1	100	5.610	5.611	-0.001	6451103	0.005929			
2	100	7.067	7.068	-0.001	3395159	0.005863			
RPD = 1.11									
25 Isodrin									
1	100		6.191						
2	100		8.092						
23 Heptachlor epoxide									
1	100	6.823	6.823	0.000	6038404	0.006082			
2	100	8.567	8.567	0.000	3110438	0.006055			
RPD = 0.44									
21 gamma-Chlordane									
1	100	7.122	7.122	0.000	6074508	0.006081			
2	100	8.972	8.973	-0.001	3110512	0.006114			
RPD = 0.54									
6 alpha-Chlordane									
1	100	7.470	7.470	0.000	6316990	0.006174			
2	100	9.283	9.279	0.004	3179546	0.006084			
RPD = 1.47									
14 Endosulfan I									
1	100	7.748	7.747	0.001	5636419	0.006218			
2	100	9.348	9.348	0.000	2793326	0.006084			
RPD = 2.19									
2 4,4'-DDE									
1	100	7.850	7.849	0.001	5806108	0.005993			
2	100	9.728	9.727	0.001	2896417	0.005829			
RPD = 2.77									
28 Mirex									1
1	100		8.279						
2	100		9.197						
13 Dieldrin									M
1	100	8.314	8.311	0.003	5858392	0.005868			M
2	100	9.876	9.876	0.000	2924628	0.005844			
RPD = 0.42									
17 Endrin									
1	100	8.771	8.771	0.000	5196267	0.005590			
2	100	10.398	10.398	0.000	2540663	0.005540			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
26 Kepone									
1	100		8.847						1
2	100		10.561						
1 4,4'-DDD									
1	100	9.140	9.137	0.003	4780410	0.006391			
2	100	10.738	10.737	0.001	2382183	0.006832			
RPD = 6.67									
15 Endosulfan II									
1	100	9.226	9.225	0.001	5148936	0.006131			
2	100	10.770	10.767	0.003	2761812	0.006461			
RPD = 5.24									
9 Chlorobenzilate									
1	100		9.243						1
2	100		10.562						
3 4,4'-DDT									
1	100	9.666	9.664	0.002	3213597	0.004570			
2	100	11.218	11.218	0.000	1473200	0.004757			
RPD = 4.00									
18 Endrin aldehyde									
1	100	10.031	10.030	0.001	4006258	0.006218			
2	100	11.335	11.334	0.001	2014363	0.006231			
RPD = 0.21									
30 Toxaphene									
1	1		10.218						1
1	2		10.564						
1	3		10.717						
1	4		11.135						
1	5		11.405						
2	100		10.321						
2	2		10.915						
2	3		11.338						
2	4		12.079						
2	5		12.639						
27 Methoxychlor									
1	100	10.631	10.627	0.004	2259374	0.006388			
2	100	12.301	12.301	0.000	1012059	0.006563			
RPD = 2.70									
16 Endosulfan sulfate									
1	100	10.763	10.762	0.001	5001114	0.006447			
2	100	11.753	11.753	0.000	2545223	0.006624			
RPD = 2.72									
19 Endrin ketone									
1	100	11.164	11.164	0.000	5707490	0.006354			
2	100	12.503	12.502	0.001	2764539	0.006431			
RPD = 1.21									
\$ 10 DCB Decachlorobiphenyl									
1	100	12.786	12.785	0.001	5489169	0.006636			
2	100	14.219	14.218	0.001	2937575	0.006801			
RPD = 2.45									

QC Flag Legend

Processing Flags

1 - Missing Peaks

Review Flags

M - Manually Integrated

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP3\20130425-19246.b\P3042523.D

Injection Date: 25-Apr-2013 15:20:10

Limit Group: GC 8081 D0D ICAL

Client ID:

Instrument ID: A2HP3

Lims Batch ID: 83482

Lims Sample ID: 23

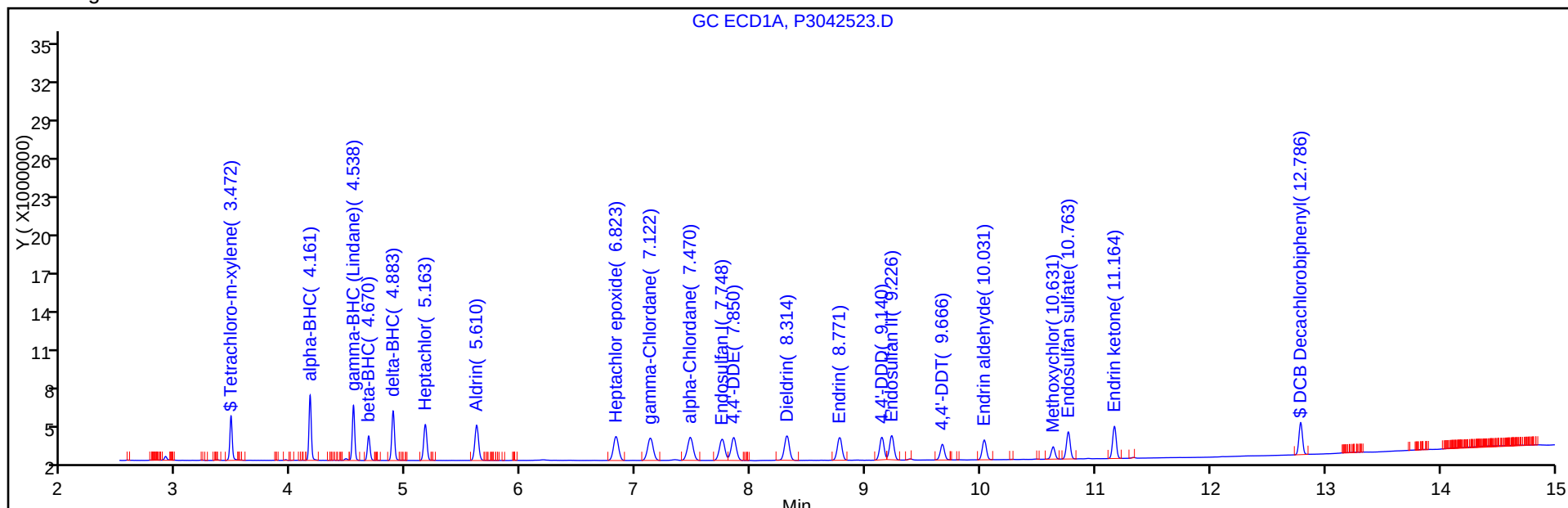
Operator ID: 402582

Injection Vol: 1.0 ul

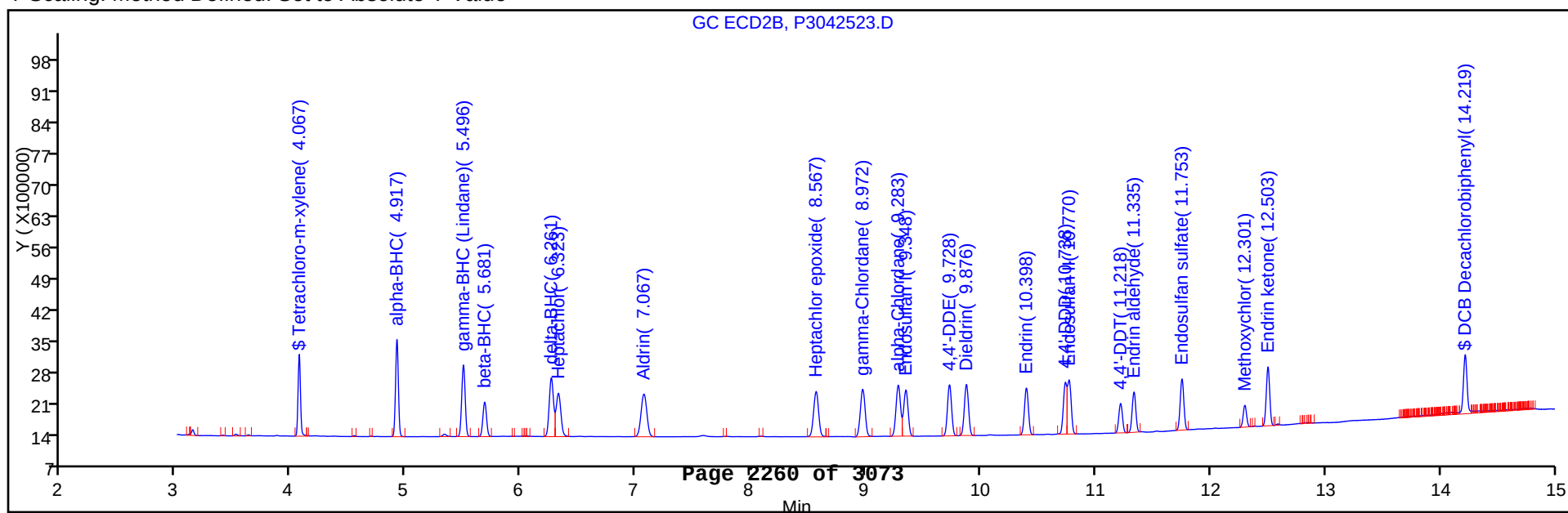
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica CantonJob No.: 240-22852-1

SDG No.: _____

Instrument ID: A2HP3Start Date: 03/14/2013 14:00Analysis Batch Number: 78295End Date: 03/14/2013 20:40

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
PEM 240-78295/12		03/14/2013 14:00	1	P3031412.D	CLP-1 0.53 (mm)
PEM 240-78295/12		03/14/2013 14:00	1	P3031412.D	CLP-2 0.53 (mm)
STD 240-78295/13 IC		03/14/2013 14:20	1	P3031413.D	CLP-1 0.53 (mm)
STD 240-78295/13 IC		03/14/2013 14:20	1	P3031413.D	CLP-2 0.53 (mm)
STD 240-78295/14 IC		03/14/2013 14:40	1	P3031414.D	CLP-1 0.53 (mm)
STD 240-78295/14 IC		03/14/2013 14:40	1	P3031414.D	CLP-2 0.53 (mm)
STD 240-78295/15 ICRT		03/14/2013 15:00	1	P3031415.D	CLP-1 0.53 (mm)
STD 240-78295/15 ICRT		03/14/2013 15:00	1	P3031415.D	CLP-2 0.53 (mm)
STD 240-78295/16 IC		03/14/2013 15:20	1	P3031416.D	CLP-1 0.53 (mm)
STD 240-78295/16 IC		03/14/2013 15:20	1	P3031416.D	CLP-2 0.53 (mm)
STD 240-78295/17 IC		03/14/2013 15:40	1	P3031417.D	CLP-1 0.53 (mm)
STD 240-78295/17 IC		03/14/2013 15:40	1	P3031417.D	CLP-2 0.53 (mm)
STD 240-78295/18 IC		03/14/2013 16:00	1	P3031418.D	CLP-1 0.53 (mm)
STD 240-78295/18 IC		03/14/2013 16:00	1	P3031418.D	CLP-2 0.53 (mm)
ICV 240-78295/19		03/14/2013 16:20	1	P3031419.D	CLP-1 0.53 (mm)
ICV 240-78295/19		03/14/2013 16:20	1	P3031419.D	CLP-2 0.53 (mm)
STD 240-78295/20 IC		03/14/2013 16:40	1	P3031420.D	CLP-1 0.53 (mm)
STD 240-78295/20 IC		03/14/2013 16:40	1	P3031420.D	CLP-2 0.53 (mm)
STD 240-78295/21 IC		03/14/2013 17:00	1	P3031421.D	CLP-1 0.53 (mm)
STD 240-78295/21 IC		03/14/2013 17:00	1	P3031421.D	CLP-2 0.53 (mm)
STD 240-78295/22 IC		03/14/2013 17:20	1	P3031422.D	CLP-1 0.53 (mm)
STD 240-78295/22 IC		03/14/2013 17:20	1	P3031422.D	CLP-2 0.53 (mm)
STD 240-78295/23 IC		03/14/2013 17:40	1	P3031423.D	CLP-1 0.53 (mm)
STD 240-78295/23 IC		03/14/2013 17:40	1	P3031423.D	CLP-2 0.53 (mm)
STD 240-78295/24 IC		03/14/2013 18:00	1	P3031424.D	CLP-1 0.53 (mm)
STD 240-78295/24 IC		03/14/2013 18:00	1	P3031424.D	CLP-2 0.53 (mm)
ICV 240-78295/25		03/14/2013 18:20	1	P3031425.D	CLP-1 0.53 (mm)
ICV 240-78295/25		03/14/2013 18:20	1	P3031425.D	CLP-2 0.53 (mm)
STD 240-78295/26 IC		03/14/2013 18:40	1		CLP-1 0.53 (mm)
STD 240-78295/26 IC		03/14/2013 18:40	1		CLP-2 0.53 (mm)
STD 240-78295/27 IC		03/14/2013 19:00	1		CLP-1 0.53 (mm)
STD 240-78295/27 IC		03/14/2013 19:00	1		CLP-2 0.53 (mm)
STD 240-78295/28 IC		03/14/2013 19:20	1		CLP-1 0.53 (mm)
STD 240-78295/28 IC		03/14/2013 19:20	1		CLP-2 0.53 (mm)
STD 240-78295/29 IC		03/14/2013 19:40	1		CLP-1 0.53 (mm)
STD 240-78295/29 IC		03/14/2013 19:40	1		CLP-2 0.53 (mm)
STD 240-78295/30 IC		03/14/2013 20:00	1		CLP-1 0.53 (mm)
STD 240-78295/30 IC		03/14/2013 20:00	1		CLP-2 0.53 (mm)
ICV 240-78295/31		03/14/2013 20:20	1		CLP-1 0.53 (mm)
ICV 240-78295/31		03/14/2013 20:20	1		CLP-2 0.53 (mm)
PEM 240-78295/32		03/14/2013 20:40	1		CLP-1 0.53 (mm)
PEM 240-78295/32		03/14/2013 20:40	1		CLP-2 0.53 (mm)

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica CantonJob No.: 240-22852-1

SDG No.: _____

Instrument ID: A2HP3Start Date: 04/19/2013 11:25Analysis Batch Number: 82685End Date: 04/20/2013 00:21

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
PEM 240-82685/4		04/19/2013 11:25	1	P3041904.D	CLP-1 0.53 (mm)
PEM 240-82685/4		04/19/2013 11:25	1	P3041904.D	CLP-2 0.53 (mm)
CCV 240-82685/5 CCVRT		04/19/2013 11:45	1	P3041905.D	CLP-1 0.53 (mm)
CCV 240-82685/5 CCVRT		04/19/2013 11:45	1	P3041905.D	CLP-2 0.53 (mm)
MRL 240-82685/6		04/19/2013 12:05	1	P3041906.D	CLP-1 0.53 (mm)
MRL 240-82685/6		04/19/2013 12:05	1	P3041906.D	CLP-2 0.53 (mm)
CCV 240-82685/7		04/19/2013 12:26	1	P3041907.D	CLP-1 0.53 (mm)
CCV 240-82685/7		04/19/2013 12:26	1	P3041907.D	CLP-2 0.53 (mm)
MB 240-81726/21-A		04/19/2013 15:17	1	P3041914.D	CLP-1 0.53 (mm)
MB 240-81726/21-A		04/19/2013 15:17	1	P3041914.D	CLP-2 0.53 (mm)
LCS 240-81726/22-A		04/19/2013 15:37	1	P3041915.D	CLP-1 0.53 (mm)
LCS 240-81726/22-A		04/19/2013 15:37	1	P3041915.D	CLP-2 0.53 (mm)
CCV 240-82685/16		04/19/2013 15:57	1	P3041916.D	CLP-1 0.53 (mm)
CCV 240-82685/16		04/19/2013 15:57	1	P3041916.D	CLP-2 0.53 (mm)
CCV 240-82685/19		04/19/2013 16:58	1	P3041919.D	CLP-1 0.53 (mm)
CCV 240-82685/19		04/19/2013 16:58	1	P3041919.D	CLP-2 0.53 (mm)
MRL 240-82685/41		04/19/2013 17:18	1	P3041920.D	CLP-1 0.53 (mm)
MRL 240-82685/41		04/19/2013 17:18	1	P3041920.D	CLP-2 0.53 (mm)
PEM 240-82685/20		04/19/2013 17:38	1		CLP-1 0.53 (mm)
PEM 240-82685/20		04/19/2013 17:38	1		CLP-2 0.53 (mm)
ZZZZZ		04/19/2013 17:58	1		CLP-1 0.53 (mm)
ZZZZZ		04/19/2013 17:58	1		CLP-2 0.53 (mm)
ZZZZZ		04/19/2013 18:18	1		CLP-1 0.53 (mm)
ZZZZZ		04/19/2013 18:18	1		CLP-2 0.53 (mm)
ZZZZZ		04/19/2013 18:39	10		CLP-1 0.53 (mm)
ZZZZZ		04/19/2013 18:39	10		CLP-2 0.53 (mm)
ZZZZZ		04/19/2013 18:59	1		CLP-1 0.53 (mm)
ZZZZZ		04/19/2013 18:59	1		CLP-2 0.53 (mm)
ZZZZZ		04/19/2013 19:19	1		CLP-1 0.53 (mm)
ZZZZZ		04/19/2013 19:19	1		CLP-2 0.53 (mm)
ZZZZZ		04/19/2013 19:39	1		CLP-1 0.53 (mm)
ZZZZZ		04/19/2013 19:39	1		CLP-2 0.53 (mm)
ZZZZZ		04/19/2013 19:59	1		CLP-1 0.53 (mm)
ZZZZZ		04/19/2013 19:59	1		CLP-2 0.53 (mm)
ZZZZZ		04/19/2013 20:19	2		CLP-1 0.53 (mm)
ZZZZZ		04/19/2013 20:19	2		CLP-2 0.53 (mm)
ZZZZZ		04/19/2013 20:40	2		CLP-1 0.53 (mm)
ZZZZZ		04/19/2013 20:40	2		CLP-2 0.53 (mm)
ZZZZZ		04/19/2013 21:00	2		CLP-1 0.53 (mm)
ZZZZZ		04/19/2013 21:00	2		CLP-2 0.53 (mm)
CCV 240-82685/31		04/19/2013 21:20	1		CLP-1 0.53 (mm)
CCV 240-82685/31		04/19/2013 21:20	1		CLP-2 0.53 (mm)
ZZZZZ		04/19/2013 21:40	20		CLP-1 0.53 (mm)
ZZZZZ		04/19/2013 21:40	20		CLP-2 0.53 (mm)

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-22852-1

SDG No.: _____

Instrument ID: A2HP3 Start Date: 04/19/2013 11:25Analysis Batch Number: 82685 End Date: 04/20/2013 00:21

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		04/19/2013 22:00	10		CLP-1 0.53 (mm)
ZZZZZ		04/19/2013 22:00	10		CLP-2 0.53 (mm)
ZZZZZ		04/19/2013 22:20	1		CLP-1 0.53 (mm)
ZZZZZ		04/19/2013 22:20	1		CLP-2 0.53 (mm)
ZZZZZ		04/19/2013 22:40	1		CLP-1 0.53 (mm)
ZZZZZ		04/19/2013 22:40	1		CLP-2 0.53 (mm)
ZZZZZ		04/19/2013 23:01	1		CLP-1 0.53 (mm)
ZZZZZ		04/19/2013 23:01	1		CLP-2 0.53 (mm)
ZZZZZ		04/19/2013 23:21	1		CLP-1 0.53 (mm)
ZZZZZ		04/19/2013 23:21	1		CLP-2 0.53 (mm)
CCV 240-82685/38		04/19/2013 23:41	1		CLP-1 0.53 (mm)
CCV 240-82685/38		04/19/2013 23:41	1		CLP-2 0.53 (mm)
CCV 240-82685/39		04/20/2013 00:01	1		CLP-1 0.53 (mm)
CCV 240-82685/39		04/20/2013 00:01	1		CLP-2 0.53 (mm)
ZZZZZ		04/20/2013 00:21	1		CLP-1 0.53 (mm)
ZZZZZ		04/20/2013 00:21	1		CLP-2 0.53 (mm)

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica CantonJob No.: 240-22852-1

SDG No.: _____

Instrument ID: A2HP3Start Date: 04/20/2013 14:02Analysis Batch Number: 82857End Date: 04/21/2013 01:46

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
PEM 240-82857/4		04/20/2013 14:02	1		CLP-1 0.53 (mm)
PEM 240-82857/4		04/20/2013 14:02	1		CLP-2 0.53 (mm)
CCV 240-82857/5 CCVRT		04/20/2013 14:22	1	P3042005.D	CLP-1 0.53 (mm)
CCV 240-82857/5 CCVRT		04/20/2013 14:22	1	P3042005.D	CLP-2 0.53 (mm)
MRL 240-82857/6		04/20/2013 14:42	1	P3042006.D	CLP-1 0.53 (mm)
MRL 240-82857/6		04/20/2013 14:42	1	P3042006.D	CLP-2 0.53 (mm)
CCV 240-82857/7		04/20/2013 15:02	1	P3042007.D	CLP-1 0.53 (mm)
CCV 240-82857/7		04/20/2013 15:02	1	P3042007.D	CLP-2 0.53 (mm)
CCV 240-82857/8		04/20/2013 15:23	1		CLP-1 0.53 (mm)
CCV 240-82857/8		04/20/2013 15:23	1		CLP-2 0.53 (mm)
ZZZZZ		04/20/2013 15:43	1		CLP-1 0.53 (mm)
ZZZZZ		04/20/2013 15:43	1		CLP-2 0.53 (mm)
ZZZZZ		04/20/2013 16:03	1		CLP-1 0.53 (mm)
ZZZZZ		04/20/2013 16:03	1		CLP-2 0.53 (mm)
ZZZZZ		04/20/2013 16:23	1		CLP-1 0.53 (mm)
ZZZZZ		04/20/2013 16:23	1		CLP-2 0.53 (mm)
ZZZZZ		04/20/2013 16:43	5		CLP-1 0.53 (mm)
ZZZZZ		04/20/2013 16:43	5		CLP-2 0.53 (mm)
ZZZZZ		04/20/2013 17:03	1		CLP-1 0.53 (mm)
ZZZZZ		04/20/2013 17:03	1		CLP-2 0.53 (mm)
ZZZZZ		04/20/2013 17:23	5		CLP-1 0.53 (mm)
ZZZZZ		04/20/2013 17:23	5		CLP-2 0.53 (mm)
CCV 240-82857/15		04/20/2013 17:43	1		CLP-1 0.53 (mm)
CCV 240-82857/15		04/20/2013 17:43	1		CLP-2 0.53 (mm)
ZZZZZ		04/20/2013 18:04	1		CLP-1 0.53 (mm)
ZZZZZ		04/20/2013 18:04	1		CLP-2 0.53 (mm)
ZZZZZ		04/20/2013 18:24	1		CLP-1 0.53 (mm)
ZZZZZ		04/20/2013 18:24	1		CLP-2 0.53 (mm)
ZZZZZ		04/20/2013 18:44	10		CLP-1 0.53 (mm)
ZZZZZ		04/20/2013 18:44	10		CLP-2 0.53 (mm)
ZZZZZ		04/20/2013 19:04	1		CLP-1 0.53 (mm)
ZZZZZ		04/20/2013 19:04	1		CLP-2 0.53 (mm)
ZZZZZ		04/20/2013 19:24	1		CLP-1 0.53 (mm)
ZZZZZ		04/20/2013 19:24	1		CLP-2 0.53 (mm)
ZZZZZ		04/20/2013 19:44	1		CLP-1 0.53 (mm)
ZZZZZ		04/20/2013 19:44	1		CLP-2 0.53 (mm)
ZZZZZ		04/20/2013 20:04	1		CLP-1 0.53 (mm)
ZZZZZ		04/20/2013 20:04	1		CLP-2 0.53 (mm)
ZZZZZ		04/20/2013 20:24	2		CLP-1 0.53 (mm)
ZZZZZ		04/20/2013 20:24	2		CLP-2 0.53 (mm)
ZZZZZ		04/20/2013 20:45	2		CLP-1 0.53 (mm)
ZZZZZ		04/20/2013 20:45	2		CLP-2 0.53 (mm)
ZZZZZ		04/20/2013 21:05	2		CLP-1 0.53 (mm)
ZZZZZ		04/20/2013 21:05	2		CLP-2 0.53 (mm)

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-22852-1

SDG No.: _____

Instrument ID: A2HP3 Start Date: 04/20/2013 14:02Analysis Batch Number: 82857 End Date: 04/21/2013 01:46

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
PEM 240-82857/26		04/20/2013 21:25	1	P3042026.D	CLP-1 0.53 (mm)
PEM 240-82857/26		04/20/2013 21:25	1	P3042026.D	CLP-2 0.53 (mm)
CCV 240-82857/27		04/20/2013 21:45	1	P3042027.D	CLP-1 0.53 (mm)
CCV 240-82857/27		04/20/2013 21:45	1	P3042027.D	CLP-2 0.53 (mm)
ZZZZZ		04/20/2013 22:05	20		CLP-1 0.53 (mm)
ZZZZZ		04/20/2013 22:05	20		CLP-2 0.53 (mm)
ZZZZZ		04/20/2013 22:25	10		CLP-1 0.53 (mm)
ZZZZZ		04/20/2013 22:25	10		CLP-2 0.53 (mm)
ZZZZZ		04/20/2013 22:45	1		CLP-1 0.53 (mm)
ZZZZZ		04/20/2013 22:45	1		CLP-2 0.53 (mm)
ZZZZZ		04/20/2013 23:05	1		CLP-1 0.53 (mm)
ZZZZZ		04/20/2013 23:05	1		CLP-2 0.53 (mm)
ZZZZZ		04/20/2013 23:25	1		CLP-1 0.53 (mm)
ZZZZZ		04/20/2013 23:25	1		CLP-2 0.53 (mm)
240-22852-1	068SB-0060M-0001,0002 -SO	04/20/2013 23:45	1	P3042033.D	CLP-1 0.53 (mm)
240-22852-1	068SB-0060M-0001,0002 -SO	04/20/2013 23:45	1	P3042033.D	CLP-2 0.53 (mm)
ZZZZZ		04/21/2013 00:05	1		CLP-1 0.53 (mm)
ZZZZZ		04/21/2013 00:05	1		CLP-2 0.53 (mm)
ZZZZZ		04/21/2013 00:25	1		CLP-1 0.53 (mm)
ZZZZZ		04/21/2013 00:25	1		CLP-2 0.53 (mm)
CCV 240-82857/36		04/21/2013 00:46	1	P3042036.D	CLP-1 0.53 (mm)
CCV 240-82857/36		04/21/2013 00:46	1	P3042036.D	CLP-2 0.53 (mm)
CCV 240-82857/37		04/21/2013 01:06	1		CLP-1 0.53 (mm)
CCV 240-82857/37		04/21/2013 01:06	1		CLP-2 0.53 (mm)
CCV 240-82857/38		04/21/2013 01:26	1	P3042038.D	CLP-1 0.53 (mm)
CCV 240-82857/38		04/21/2013 01:26	1	P3042038.D	CLP-2 0.53 (mm)
MRL 240-82857/39		04/21/2013 01:46	1	P3042039.D	CLP-1 0.53 (mm)
MRL 240-82857/39		04/21/2013 01:46	1	P3042039.D	CLP-2 0.53 (mm)

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica CantonJob No.: 240-22852-1

SDG No.: _____

Instrument ID: A2HP3Start Date: 04/22/2013 18:32Analysis Batch Number: 83061End Date: 04/23/2013 09:58

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
PEM 240-83061/4		04/22/2013 18:32	1	P3042204.D	CLP-1 0.53 (mm)
PEM 240-83061/4		04/22/2013 18:32	1	P3042204.D	CLP-2 0.53 (mm)
STD 240-83061/5 IC		04/22/2013 18:52	1	P3042205.D	CLP-1 0.53 (mm)
STD 240-83061/5 IC		04/22/2013 18:52	1	P3042205.D	CLP-2 0.53 (mm)
STD 240-83061/6 IC		04/22/2013 19:12	1	P3042206.D	CLP-1 0.53 (mm)
STD 240-83061/6 IC		04/22/2013 19:12	1	P3042206.D	CLP-2 0.53 (mm)
STD 240-83061/7 IC		04/22/2013 19:32	1	P3042207.D	CLP-1 0.53 (mm)
STD 240-83061/7 IC		04/22/2013 19:32	1	P3042207.D	CLP-2 0.53 (mm)
STD 240-83061/8 IC		04/22/2013 19:52	1	P3042208.D	CLP-1 0.53 (mm)
STD 240-83061/8 IC		04/22/2013 19:52	1	P3042208.D	CLP-2 0.53 (mm)
STD 240-83061/9 IC		04/22/2013 20:13	1	P3042209.D	CLP-1 0.53 (mm)
STD 240-83061/9 IC		04/22/2013 20:13	1	P3042209.D	CLP-2 0.53 (mm)
ICV 240-83061/10		04/22/2013 20:33	1	P3042210.D	CLP-1 0.53 (mm)
ICV 240-83061/10		04/22/2013 20:33	1	P3042210.D	CLP-2 0.53 (mm)
STD 240-83061/11 IC		04/22/2013 20:53	1		CLP-1 0.53 (mm)
STD 240-83061/11 IC		04/22/2013 20:53	1		CLP-2 0.53 (mm)
STD 240-83061/12 IC		04/22/2013 21:13	1		CLP-1 0.53 (mm)
STD 240-83061/12 IC		04/22/2013 21:13	1		CLP-2 0.53 (mm)
STD 240-83061/13 IC		04/22/2013 21:33	1		CLP-1 0.53 (mm)
STD 240-83061/13 IC		04/22/2013 21:33	1		CLP-2 0.53 (mm)
STD 240-83061/14 IC		04/22/2013 21:53	1		CLP-1 0.53 (mm)
STD 240-83061/14 IC		04/22/2013 21:53	1		CLP-2 0.53 (mm)
STD 240-83061/15 IC		04/22/2013 22:14	1		CLP-1 0.53 (mm)
STD 240-83061/15 IC		04/22/2013 22:14	1		CLP-2 0.53 (mm)
ICV 240-83061/16		04/22/2013 22:34	1		CLP-1 0.53 (mm)
ICV 240-83061/16		04/22/2013 22:34	1		CLP-2 0.53 (mm)
STD 240-83061/17 IC		04/22/2013 22:54	1	P3042217.D	CLP-1 0.53 (mm)
STD 240-83061/17 IC		04/22/2013 22:54	1	P3042217.D	CLP-2 0.53 (mm)
STD 240-83061/18 IC		04/22/2013 23:14	1	P3042218.D	CLP-1 0.53 (mm)
STD 240-83061/18 IC		04/22/2013 23:14	1	P3042218.D	CLP-2 0.53 (mm)
STD 240-83061/19 ICRT		04/22/2013 23:34	1	P3042219.D	CLP-1 0.53 (mm)
STD 240-83061/19 ICRT		04/22/2013 23:34	1	P3042219.D	CLP-2 0.53 (mm)
STD 240-83061/20 IC		04/22/2013 23:54	1	P3042220.D	CLP-1 0.53 (mm)
STD 240-83061/20 IC		04/22/2013 23:54	1	P3042220.D	CLP-2 0.53 (mm)
STD 240-83061/21 IC		04/23/2013 00:15	1	P3042221.D	CLP-1 0.53 (mm)
STD 240-83061/21 IC		04/23/2013 00:15	1	P3042221.D	CLP-2 0.53 (mm)
STD 240-83061/22 IC		04/23/2013 00:35	1	P3042222.D	CLP-1 0.53 (mm)
STD 240-83061/22 IC		04/23/2013 00:35	1	P3042222.D	CLP-2 0.53 (mm)
ICV 240-83061/23		04/23/2013 00:55	1	P3042223.D	CLP-1 0.53 (mm)
ICV 240-83061/23		04/23/2013 00:55	1	P3042223.D	CLP-2 0.53 (mm)
PEM 240-83061/24		04/23/2013 01:15	1		CLP-1 0.53 (mm)
PEM 240-83061/24		04/23/2013 01:15	1		CLP-2 0.53 (mm)
ZZZZZ		04/23/2013 01:35	1		CLP-1 0.53 (mm)
ZZZZZ		04/23/2013 01:35	1		CLP-2 0.53 (mm)

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica CantonJob No.: 240-22852-1

SDG No.: _____

Instrument ID: A2HP3Start Date: 04/22/2013 18:32Analysis Batch Number: 83061End Date: 04/23/2013 09:58

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		04/23/2013 01:55	1		CLP-1 0.53 (mm)
ZZZZZ		04/23/2013 01:55	1		CLP-2 0.53 (mm)
ZZZZZ		04/23/2013 02:16	1		CLP-1 0.53 (mm)
ZZZZZ		04/23/2013 02:16	1		CLP-2 0.53 (mm)
ZZZZZ		04/23/2013 02:36	1		CLP-1 0.53 (mm)
ZZZZZ		04/23/2013 02:36	1		CLP-2 0.53 (mm)
ZZZZZ		04/23/2013 02:56	5		CLP-1 0.53 (mm)
ZZZZZ		04/23/2013 02:56	5		CLP-2 0.53 (mm)
ZZZZZ		04/23/2013 03:16	1		CLP-1 0.53 (mm)
ZZZZZ		04/23/2013 03:16	1		CLP-2 0.53 (mm)
ZZZZZ		04/23/2013 03:36	5		CLP-1 0.53 (mm)
ZZZZZ		04/23/2013 03:36	5		CLP-2 0.53 (mm)
ZZZZZ		04/23/2013 03:56	1		CLP-1 0.53 (mm)
ZZZZZ		04/23/2013 03:56	1		CLP-2 0.53 (mm)
ZZZZZ		04/23/2013 04:16	1		CLP-1 0.53 (mm)
ZZZZZ		04/23/2013 04:16	1		CLP-2 0.53 (mm)
CCV 240-83061/34		04/23/2013 04:36	1		CLP-1 0.53 (mm)
CCV 240-83061/34		04/23/2013 04:36	1		CLP-2 0.53 (mm)
CCV 240-83061/35		04/23/2013 04:56	1		CLP-1 0.53 (mm)
CCV 240-83061/35		04/23/2013 04:56	1		CLP-2 0.53 (mm)
CCB 240-83061/36 CCV		04/23/2013 05:17	1		CLP-1 0.53 (mm)
CCB 240-83061/36 CCV		04/23/2013 05:17	1		CLP-2 0.53 (mm)
ZZZZZ		04/23/2013 05:37	1		CLP-1 0.53 (mm)
ZZZZZ		04/23/2013 05:37	1		CLP-2 0.53 (mm)
ZZZZZ		04/23/2013 05:57	2		CLP-1 0.53 (mm)
ZZZZZ		04/23/2013 05:57	2		CLP-2 0.53 (mm)
ZZZZZ		04/23/2013 06:17	2		CLP-1 0.53 (mm)
ZZZZZ		04/23/2013 06:17	2		CLP-2 0.53 (mm)
ZZZZZ		04/23/2013 06:37	5		CLP-1 0.53 (mm)
ZZZZZ		04/23/2013 06:37	5		CLP-2 0.53 (mm)
ZZZZZ		04/23/2013 06:57	5		CLP-1 0.53 (mm)
ZZZZZ		04/23/2013 06:57	5		CLP-2 0.53 (mm)
ZZZZZ		04/23/2013 07:17	20		CLP-1 0.53 (mm)
ZZZZZ		04/23/2013 07:17	20		CLP-2 0.53 (mm)
ZZZZZ		04/23/2013 07:37	10		CLP-1 0.53 (mm)
ZZZZZ		04/23/2013 07:37	10		CLP-2 0.53 (mm)
ZZZZZ		04/23/2013 07:58	1		CLP-1 0.53 (mm)
ZZZZZ		04/23/2013 07:58	1		CLP-2 0.53 (mm)
ZZZZZ		04/23/2013 08:18	1		CLP-1 0.53 (mm)
ZZZZZ		04/23/2013 08:18	1		CLP-2 0.53 (mm)
CCV 240-83061/46		04/23/2013 08:38	1		CLP-1 0.53 (mm)
CCV 240-83061/46		04/23/2013 08:38	1		CLP-2 0.53 (mm)
CCV 240-83061/47		04/23/2013 08:58	1		CLP-1 0.53 (mm)
CCV 240-83061/47		04/23/2013 08:58	1		CLP-2 0.53 (mm)
CCB 240-83061/48 CCV		04/23/2013 09:18	1		CLP-1 0.53 (mm)

8081/DOD

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-22852-1

SDG No.: _____

Instrument ID: A2HP3 Start Date: 04/22/2013 18:32Analysis Batch Number: 83061 End Date: 04/23/2013 09:58

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCB 240-83061/48 CCV		04/23/2013 09:18	1		CLP-2 0.53 (mm)
ZZZZZ		04/23/2013 09:38	1		CLP-1 0.53 (mm)
ZZZZZ		04/23/2013 09:38	1		CLP-2 0.53 (mm)
PEM 240-83061/50		04/23/2013 09:58	1		CLP-1 0.53 (mm)
PEM 240-83061/50		04/23/2013 09:58	1		CLP-2 0.53 (mm)

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica CantonJob No.: 240-22852-1

SDG No.: _____

Instrument ID: A2HP3Start Date: 04/24/2013 11:29Analysis Batch Number: 83400End Date: 04/25/2013 03:16

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 240-83400/5 CCVRT		04/24/2013 11:29	1	P3042405.D	CLP-1 0.53 (mm)
CCV 240-83400/5 CCVRT		04/24/2013 11:29	1	P3042405.D	CLP-2 0.53 (mm)
CCV 240-83400/24		04/24/2013 17:52	1	P3042424.D	CLP-1 0.53 (mm)
CCV 240-83400/24		04/24/2013 17:52	1	P3042424.D	CLP-2 0.53 (mm)
CCV 240-83400/25		04/24/2013 18:12	1	P3042425.D	CLP-1 0.53 (mm)
CCV 240-83400/25		04/24/2013 18:12	1	P3042425.D	CLP-2 0.53 (mm)
MRL 240-83400/26		04/24/2013 18:33	1	P3042426.D	CLP-1 0.53 (mm)
MRL 240-83400/26		04/24/2013 18:33	1	P3042426.D	CLP-2 0.53 (mm)
PEM 240-83400/27		04/24/2013 18:53	1	P3042427.D	CLP-1 0.53 (mm)
PEM 240-83400/27		04/24/2013 18:53	1	P3042427.D	CLP-2 0.53 (mm)
ZZZZZ		04/24/2013 19:13	1		CLP-1 0.53 (mm)
ZZZZZ		04/24/2013 19:13	1		CLP-2 0.53 (mm)
ZZZZZ		04/24/2013 19:33	1		CLP-1 0.53 (mm)
ZZZZZ		04/24/2013 19:33	1		CLP-2 0.53 (mm)
ZZZZZ		04/24/2013 19:53	10		CLP-1 0.53 (mm)
ZZZZZ		04/24/2013 19:53	10		CLP-2 0.53 (mm)
ZZZZZ		04/24/2013 20:13	1		CLP-1 0.53 (mm)
ZZZZZ		04/24/2013 20:13	1		CLP-2 0.53 (mm)
ZZZZZ		04/24/2013 20:34	1		CLP-1 0.53 (mm)
ZZZZZ		04/24/2013 20:34	1		CLP-2 0.53 (mm)
ZZZZZ		04/24/2013 20:54	1		CLP-1 0.53 (mm)
ZZZZZ		04/24/2013 20:54	1		CLP-2 0.53 (mm)
ZZZZZ		04/24/2013 21:14	1		CLP-1 0.53 (mm)
ZZZZZ		04/24/2013 21:14	1		CLP-2 0.53 (mm)
ZZZZZ		04/24/2013 21:34	1		CLP-1 0.53 (mm)
ZZZZZ		04/24/2013 21:34	1		CLP-2 0.53 (mm)
MB 240-83135/18-A		04/24/2013 21:54	1	P3042436.D	CLP-1 0.53 (mm)
MB 240-83135/18-A		04/24/2013 21:54	1	P3042436.D	CLP-2 0.53 (mm)
LCS 240-83135/19-A		04/24/2013 22:14	1	P3042437.D	CLP-1 0.53 (mm)
LCS 240-83135/19-A		04/24/2013 22:14	1	P3042437.D	CLP-2 0.53 (mm)
CCV 240-83400/38		04/24/2013 22:35	1	P3042438.D	CLP-1 0.53 (mm)
CCV 240-83400/38		04/24/2013 22:35	1	P3042438.D	CLP-2 0.53 (mm)
MRL 240-83400/52		04/24/2013 22:55	1	P3042439.D	CLP-1 0.53 (mm)
MRL 240-83400/52		04/24/2013 22:55	1	P3042439.D	CLP-2 0.53 (mm)
ZZZZZ		04/24/2013 23:15	1		CLP-1 0.53 (mm)
ZZZZZ		04/24/2013 23:15	1		CLP-2 0.53 (mm)
ZZZZZ		04/24/2013 23:35	1		CLP-1 0.53 (mm)
ZZZZZ		04/24/2013 23:35	1		CLP-2 0.53 (mm)
ZZZZZ		04/24/2013 23:55	5		CLP-1 0.53 (mm)
ZZZZZ		04/24/2013 23:55	5		CLP-2 0.53 (mm)
ZZZZZ		04/25/2013 00:15	2		CLP-1 0.53 (mm)
ZZZZZ		04/25/2013 00:15	2		CLP-2 0.53 (mm)
ZZZZZ		04/25/2013 00:35	5		CLP-1 0.53 (mm)
ZZZZZ		04/25/2013 00:35	5		CLP-2 0.53 (mm)

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-22852-1

SDG No.: _____

Instrument ID: A2HP3 Start Date: 04/24/2013 11:29Analysis Batch Number: 83400 End Date: 04/25/2013 03:16

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		04/25/2013 00:55	5		CLP-1 0.53 (mm)
ZZZZZ		04/25/2013 00:55	5		CLP-2 0.53 (mm)
ZZZZZ		04/25/2013 01:16	20		CLP-1 0.53 (mm)
ZZZZZ		04/25/2013 01:16	20		CLP-2 0.53 (mm)
ZZZZZ		04/25/2013 01:36	20		CLP-1 0.53 (mm)
ZZZZZ		04/25/2013 01:36	20		CLP-2 0.53 (mm)
ZZZZZ		04/25/2013 01:56	1		CLP-1 0.53 (mm)
ZZZZZ		04/25/2013 01:56	1		CLP-2 0.53 (mm)
ZZZZZ		04/25/2013 02:16	1		CLP-1 0.53 (mm)
ZZZZZ		04/25/2013 02:16	1		CLP-2 0.53 (mm)
CCV 240-83400/49		04/25/2013 02:36	1		CLP-1 0.53 (mm)
CCV 240-83400/49		04/25/2013 02:36	1		CLP-2 0.53 (mm)
CCV 240-83400/50		04/25/2013 02:56	1		CLP-1 0.53 (mm)
CCV 240-83400/50		04/25/2013 02:56	1		CLP-2 0.53 (mm)
ZZZZZ		04/25/2013 03:16	1		CLP-1 0.53 (mm)
ZZZZZ		04/25/2013 03:16	1		CLP-2 0.53 (mm)

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica CantonJob No.: 240-22852-1

SDG No.: _____

Instrument ID: A2HP3Start Date: 04/25/2013 08:56Analysis Batch Number: 83482End Date: 04/25/2013 15:20

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
PEM 240-83482/4		04/25/2013 08:56	1	P3042504.D	CLP-1 0.53 (mm)
PEM 240-83482/4		04/25/2013 08:56	1	P3042504.D	CLP-2 0.53 (mm)
CCV 240-83482/5		04/25/2013 09:17	1	P3042505.D	CLP-1 0.53 (mm)
CCV 240-83482/5		04/25/2013 09:17	1	P3042505.D	CLP-2 0.53 (mm)
CCV 240-83482/6		04/25/2013 09:37	1		CLP-1 0.53 (mm)
CCV 240-83482/6		04/25/2013 09:37	1		CLP-2 0.53 (mm)
CCV 240-83482/7 CCVRT		04/25/2013 09:57	1	P3042507.D	CLP-1 0.53 (mm)
CCV 240-83482/7 CCVRT		04/25/2013 09:57	1	P3042507.D	CLP-2 0.53 (mm)
MRL 240-83482/8		04/25/2013 10:17	1	P3042508.D	CLP-1 0.53 (mm)
MRL 240-83482/8		04/25/2013 10:17	1	P3042508.D	CLP-2 0.53 (mm)
ZZZZZ		04/25/2013 10:57	1		CLP-1 0.53 (mm)
ZZZZZ		04/25/2013 10:57	1		CLP-2 0.53 (mm)
240-22852-1 RE	068SB-0060M-0001,0002 -SO RE	04/25/2013 11:18	1	P3042511.D	CLP-1 0.53 (mm)
240-22852-1 RE	068SB-0060M-0001,0002 -SO RE	04/25/2013 11:18	1	P3042511.D	CLP-2 0.53 (mm)
CCV 240-83482/12 CCVRT		04/25/2013 11:38	1	P3042512.D	CLP-1 0.53 (mm)
CCV 240-83482/12 CCVRT		04/25/2013 11:38	1	P3042512.D	CLP-2 0.53 (mm)
ZZZZZ		04/25/2013 11:58	5		CLP-1 0.53 (mm)
ZZZZZ		04/25/2013 11:58	5		CLP-2 0.53 (mm)
ZZZZZ		04/25/2013 12:18	2		CLP-1 0.53 (mm)
ZZZZZ		04/25/2013 12:18	2		CLP-2 0.53 (mm)
ZZZZZ		04/25/2013 12:38	5		CLP-1 0.53 (mm)
ZZZZZ		04/25/2013 12:38	5		CLP-2 0.53 (mm)
ZZZZZ		04/25/2013 12:58	5		CLP-1 0.53 (mm)
ZZZZZ		04/25/2013 12:58	5		CLP-2 0.53 (mm)
ZZZZZ		04/25/2013 13:19	20		CLP-1 0.53 (mm)
ZZZZZ		04/25/2013 13:19	20		CLP-2 0.53 (mm)
ZZZZZ		04/25/2013 13:39	20		CLP-1 0.53 (mm)
ZZZZZ		04/25/2013 13:39	20		CLP-2 0.53 (mm)
ZZZZZ		04/25/2013 13:59	1		CLP-1 0.53 (mm)
ZZZZZ		04/25/2013 13:59	1		CLP-2 0.53 (mm)
ZZZZZ		04/25/2013 14:19	1		CLP-1 0.53 (mm)
ZZZZZ		04/25/2013 14:19	1		CLP-2 0.53 (mm)
CCV 240-83482/21		04/25/2013 14:39	1	P3042521.D	CLP-1 0.53 (mm)
CCV 240-83482/21		04/25/2013 14:39	1	P3042521.D	CLP-2 0.53 (mm)
CCV 240-83482/22		04/25/2013 14:59	1		CLP-1 0.53 (mm)
CCV 240-83482/22		04/25/2013 14:59	1		CLP-2 0.53 (mm)
MRL 240-83482/23		04/25/2013 15:20	1	P3042523.D	CLP-1 0.53 (mm)
MRL 240-83482/23		04/25/2013 15:20	1	P3042523.D	CLP-2 0.53 (mm)

GC SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-22852-1

SDG No.: _____

Batch Number: 81726 Batch Start Date: 04/12/13 14:25 Batch Analyst: Cerne, AmandaBatch Method: 3540C Batch End Date: 04/13/13 06:25

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	EX2/.2SURRW 00023	EXPSTNPDESSPW 00012	AnalysisComment	
240-22852-I-1-A	068SB-0060M-0001 ,0002-SO	3540C, 8081/DOD	T	29.76 g	10 mL	1 mL		Assoc w/ 81730	
MB 240-81726/21		3540C, 8081/DOD		30.00 g	10 mL	1 mL		Assoc w/ 81730	
LCS 240-81726/22		3540C, 8081/DOD		30.00 g	10 mL	1 mL	1 mL		

Batch Notes	
Balance ID	b037
Exchange Solvent Lot #	926691
Na2SO4 Lot Number	857446
Prep Solvent Lot #	928639

Basis	Basis Description
T	Total/NA

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

8081/DOD

Page 1 of 1

GC SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-22852-1

SDG No.: _____

Batch Number: 83135 Batch Start Date: 04/23/13 12:15 Batch Analyst: Shabani, JawadBatch Method: 3540C Batch End Date: 04/24/13 04:15

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	EX2/.2SURRW 00023	EXPSTNPDESSPW 00012		
240-22852-I-1-A	068SB-0060M-0001 ,0002-SO	3540C, 8081/DOD	T	30.39 g	10 mL	1 mL			
MB 240-83135/18		3540C, 8081/DOD		30.00 g	10 mL	1 mL			
LCS 240-83135/19		3540C, 8081/DOD		30.00 g	10 mL	1 mL	1 mL		

Batch Notes	
Balance ID	B036
Exchange Solvent Lot #	926691
Na2SO4 Lot Number	857446
Prep Solvent Lot #	950633

Basis	Basis Description
T	Total/NA

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

8081/DOD

Page 1 of 1

Method 8082 DOD

Polychlorinated Biphenyls (PCBs) by
Gas Chromatography by Method
8082/DOD

FORM II
PCBS SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-22852-1

SDG No.: _____

Matrix: Solid Level: Low

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

Client Sample ID	Lab Sample ID	TCX1 #	TCX2 #	DCB1 #	DCB2 #
068SB-0060M-0001,0 002-SO	240-22852-1	53	54	60	62
068SB-0061M-0001-S O	240-22852-2	60	59	65	70
	MB 240-81730/20-A	59	60	62	262 Q
	MB 240-81915/22-A	75	75	82	88
	LCS 240-81730/21-A	80	77	81	88
	LCS 240-81915/23-A	98	64	64	66

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

QC LIMITS
40-140
60-125

Column to be used to flag recovery values

FORM II
PCBS SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-22852-1

SDG No.: _____

Matrix: Water Level: Low

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

Client Sample ID	Lab Sample ID	TCX1 #	TCX2 #	DCB1 #	DCB2 #
	MRL 240-82363/4	101	108	119	125
	MRL 240-82363/26	117	130	136 Q	138 Q
	MRL 240-82392/4	114	118	126 Q	137 Q
	MRL 240-82392/12	115	122	149 Q	138 Q

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

QC LIMITS
50-150
50-150

Column to be used to flag recovery values

FORM II 8082/DOD

FORM III
PCBS LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-22852-1
SDG No.: _____
Matrix: Solid Level: Low Lab File ID: P4000024.D
Lab ID: LCS 240-81730/21-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Aroclor-1016	333	261	78	40-140	
Aroclor-1260	333	284	85	60-130	

Column to be used to flag recovery and RPD values

FORM III
PCBS LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-22852-1
SDG No.: _____
Matrix: Solid Level: Low Lab File ID: P4000010.D
Lab ID: LCS 240-81915/23-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Aroclor-1016	333	201	60	40-140	
Aroclor-1260	333	224	67	60-130	

Column to be used to flag recovery and RPD values

FORM III
PCBS METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-22852-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: P4000004.D
Lab ID: MRL 240-82363/4 Client ID: _____

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Aroclor-1016	0.0500	0.0497 J	99	70-130	
Aroclor-1016	0.0500	0.0483 J	97	70-130	
Aroclor-1260	0.0500	0.0506	101	70-130	
Aroclor-1260	0.0500	0.0495 J	99	70-130	

Column to be used to flag recovery and RPD values

FORM III
PCBS METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-22852-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: P4000026.D
Lab ID: MRL 240-82363/26 Client ID: _____

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Aroclor-1016	0.0500	0.0605	121	70-130	
Aroclor-1016	0.0500	0.0566	113	70-130	
Aroclor-1260	0.0500	0.0587	117	70-130	
Aroclor-1260	0.0500	0.0582	116	70-130	

Column to be used to flag recovery and RPD values

FORM III
PCBS METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-22852-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: P4000004.D
Lab ID: MRL 240-82392/4 Client ID: _____

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Aroclor-1016	0.0500	0.0577	115	70-130	
Aroclor-1016	0.0500	0.0565	113	70-130	
Aroclor-1260	0.0500	0.0585	117	70-130	
Aroclor-1260	0.0500	0.0583	117	70-130	

Column to be used to flag recovery and RPD values

FORM III
PCBS METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-22852-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: P4000012.D
Lab ID: MRL 240-82392/12 Client ID: _____

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Aroclor-1016	0.0500	0.0594	119	70-130	
Aroclor-1016	0.0500	0.0566	113	70-130	
Aroclor-1260	0.0500	0.0580	116	70-130	
Aroclor-1260	0.0500	0.0581	116	70-130	

Column to be used to flag recovery and RPD values

FORM IV
PCBS METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22852-1
SDG No.: _____
Lab Sample ID: MB 240-81730/20-A
Matrix: Solid Date Extracted: 04/12/2013 11:18
Lab File ID: (1) P4000013.D Lab File ID: (2) P4000013.D
Date Analyzed: (1) 04/18/2013 12:13 Date Analyzed: (2) 04/18/2013 12:13
Instrument ID: (1) A2HP4 Instrument ID: (2) A2HP4
GC Column: (1) CLP-2 ID: 0.53(mm) GC Column: (2) CLP-1 ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
068SB-0060M-0001,0002-SO	240-22852-1	04/18/2013 14:50	04/18/2013 14:50
	LCS 240-81730/21-A	04/18/2013 15:05	04/18/2013 15:05

FORM IV
PCBS METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22852-1
SDG No.: _____
Lab Sample ID: MB 240-81915/22-A
Matrix: Solid Date Extracted: 04/15/2013 09:45
Lab File ID: (1) P4000009.D Lab File ID: (2) P4000009.D
Date Analyzed: (1) 04/17/2013 18:50 Date Analyzed: (2) 04/17/2013 18:50
Instrument ID: (1) A2HP4 Instrument ID: (2) A2HP4
GC Column: (1) CLP-2 ID: 0.53(mm) GC Column: (2) CLP-1 ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
068SB-0061M-0001-SO	240-22852-2	04/17/2013 18:35	04/17/2013 18:35
	LCS 240-81915/23-A	04/17/2013 19:06	04/17/2013 19:06

FORM VIII
PCBS ANALYTICAL SEQUENCE

Lab Name: TestAmerica Canton Job No.: 240-22852-1
 SDG No.: _____
 Sample No.: CCV 240-82392/3 Date Analyzed: 04/17/2013 17:17
 Instrument ID: A2HP4 GC Column: CLP-1 ID: 0.53 (mm)
 Lab File ID (Standard): P4000003.D Heated Purge: (Y/N) N
 Calibration ID: 14533

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
CONTINUING CALIBRATION SURROGATE				1.28	6.62	
UPPER LIMIT				1.38	6.72	
LOWER LIMIT				1.18	6.52	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCV 240-82392/3 CCVRT		04/17/2013 17:17	P4000003.D	1.28	6.62	
240-22852-2	068SB-0061M-0001-SO	04/17/2013 18:35	P4000008.D	1.28	6.62	
MB 240-81915/22-A		04/17/2013 18:50	P4000009.D	1.28	6.62	
LCS 240-81915/23-A		04/17/2013 19:06	P4000010.D	1.28	6.62	
CCV 240-82392/11		04/17/2013 19:21	P4000011.D	1.28	6.62	

TCX = Tetrachloro-m-xylene
 DCB = DCB Decachlorobiphenyl

TCX RT Limit = ± 0.1 minutes of surrogate RT
 DCB RT Limit = ± 0.1 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII
PCBS ANALYTICAL SEQUENCE

Lab Name: TestAmerica Canton Job No.: 240-22852-1
 SDG No.: _____
 Sample No.: CCV 240-82392/3 Date Analyzed: 04/17/2013 17:17
 Instrument ID: A2HP4 GC Column: CLP-2 ID: 0.53 (mm)
 Lab File ID (Standard): P4000003.D Heated Purge: (Y/N) N
 Calibration ID: 14534

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
CONTINUING CALIBRATION SURROGATE				1.68	7.84	
UPPER LIMIT				1.78	7.94	
LOWER LIMIT				1.58	7.74	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCV 240-82392/3 CCVRT		04/17/2013 17:17	P4000003.D	1.68	7.84	
240-22852-2	068SB-0061M-0001-SO	04/17/2013 18:35	P4000008.D	1.68	7.84	
MB 240-81915/22-A		04/17/2013 18:50	P4000009.D	1.68	7.84	
LCS 240-81915/23-A		04/17/2013 19:06	P4000010.D	1.68	7.84	
CCV 240-82392/11		04/17/2013 19:21	P4000011.D	1.68	7.84	

TCX = Tetrachloro-m-xylene
 DCB = DCB Decachlorobiphenyl

TCX RT Limit = ± 0.1 minutes of surrogate RT
 DCB RT Limit = ± 0.1 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII
PCBS ANALYTICAL SEQUENCE

Lab Name: TestAmerica Canton Job No.: 240-22852-1
 SDG No.: _____
 Sample No.: CCV 240-82363/3 Date Analyzed: 04/18/2013 09:37
 Instrument ID: A2HP4 GC Column: CLP-1 ID: 0.53 (mm)
 Lab File ID (Standard): P4000003.D Heated Purge: (Y/N) N
 Calibration ID: 14533

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSS IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
CONTINUING CALIBRATION SURROGATE				1.28	6.62	
UPPER LIMIT				1.38	6.72	
LOWER LIMIT				1.18	6.52	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCV 240-82363/3 CCVRT		04/18/2013 09:37	P4000003.D	1.28	6.62	
MB 240-81730/20-A		04/18/2013 12:13	P4000013.D	1.28	6.63	
CCV 240-82363/14		04/18/2013 12:29	P4000014.D	1.28	6.62	
240-22852-1	068SB-0060M-0001,0002 -SO	04/18/2013 14:50	P4000023.D	1.28	6.62	
LCS 240-81730/21-A		04/18/2013 15:05	P4000024.D	1.28	6.62	
CCV 240-82363/25		04/18/2013 15:21	P4000025.D	1.28	6.62	

TCX = Tetrachloro-m-xylene
 DCB = DCB Decachlorobiphenyl

TCX RT Limit = ± 0.1 minutes of surrogate RT
 DCB RT Limit = ± 0.1 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII
PCBS ANALYTICAL SEQUENCE

Lab Name: TestAmerica Canton Job No.: 240-22852-1
 SDG No.: _____
 Sample No.: CCV 240-82363/3 Date Analyzed: 04/18/2013 09:37
 Instrument ID: A2HP4 GC Column: CLP-2 ID: 0.53 (mm)
 Lab File ID (Standard): P4000003.D Heated Purge: (Y/N) N
 Calibration ID: 14534

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSS IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
CONTINUING CALIBRATION SURROGATE				1.68	7.84	
UPPER LIMIT				1.78	7.94	
LOWER LIMIT				1.58	7.74	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCV 240-82363/3 CCVRT		04/18/2013 09:37	P4000003.D	1.68	7.84	
MB 240-81730/20-A		04/18/2013 12:13	P4000013.D	1.68	7.84	
CCV 240-82363/14		04/18/2013 12:29	P4000014.D	1.68	7.84	
240-22852-1	068SB-0060M-0001,0002 -SO	04/18/2013 14:50	P4000023.D	1.69	7.84	
LCS 240-81730/21-A		04/18/2013 15:05	P4000024.D	1.68	7.84	
CCV 240-82363/25		04/18/2013 15:21	P4000025.D	1.68	7.84	

TCX = Tetrachloro-m-xylene
 DCB = DCB Decachlorobiphenyl

TCX RT Limit = ± 0.1 minutes of surrogate RT
 DCB RT Limit = ± 0.1 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII
PCBS ANALYTICAL SEQUENCE

Lab Name: TestAmerica Canton Job No.: 240-22852-1
SDG No.: _____
Sample No.: CCV 240-82762/3 Date Analyzed: 04/19/2013 21:58
Instrument ID: A2HP4 GC Column: CLP-1 ID: 0.53 (mm)
Lab File ID (Standard): P4000003.D Heated Purge: (Y/N) N
Calibration ID: 14533

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSS IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
CONTINUING CALIBRATION SURROGATE				1.28	6.63	
UPPER LIMIT				1.38	6.73	
LOWER LIMIT				1.18	6.53	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCV 240-82762/3 CCVRT		04/19/2013 21:58	P4000003.D	1.28	6.63	
CCV 240-82762/13		04/20/2013 00:34	P4000013.D	1.28	6.63	

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

TCX RT Limit = ± 0.1 minutes of surrogate RT
DCB RT Limit = ± 0.1 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII
PCBS ANALYTICAL SEQUENCE

Lab Name: TestAmerica Canton Job No.: 240-22852-1
 SDG No.: _____
 Sample No.: CCV 240-82762/3 Date Analyzed: 04/19/2013 21:58
 Instrument ID: A2HP4 GC Column: CLP-2 ID: 0.53 (mm)
 Lab File ID (Standard): P4000003.D Heated Purge: (Y/N) N
 Calibration ID: 14534

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSS IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
CONTINUING CALIBRATION SURROGATE				1.69	7.85	
UPPER LIMIT				1.79	7.95	
LOWER LIMIT				1.59	7.75	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCV 240-82762/3 CCVRT		04/19/2013 21:58	P4000003.D	1.69	7.85	
CCV 240-82762/13		04/20/2013 00:34	P4000013.D	1.69	7.85	

TCX = Tetrachloro-m-xylene
 DCB = DCB Decachlorobiphenyl

TCX RT Limit = ± 0.1 minutes of surrogate RT
 DCB RT Limit = ± 0.1 minutes of surrogate RT

Column used to flag values outside QC limits

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22852-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 240-81730/21-A
 Instrument ID (1): A2HP4 Instrument ID (2): A2HP4
 Date Analyzed (1): 04/18/2013 15:05 Date Analyzed (2): 04/18/2013 15:05
 GC Column (1): CLP-2 ID: 0.53(mm) GC Column (2): CLP-1 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
Aroclor-1016	1	1	2.15	2.05	2.25	242	261	3.7
		2	2.54	2.44	2.64	245		
		3	2.99	2.89	3.09	286		
		4	3.13	3.03	3.23	262		
		5	3.24	3.14	3.34	270		
	2	1	1.55	1.45	1.65	235	271	
		2	1.83	1.73	1.93	262		
		3	2.22	2.12	2.32	299		
		4	2.34	2.24	2.44	286		
		5	2.72	2.62	2.82	270		
Aroclor-1260	1	1	4.95	4.84	5.04	265	284	6.2
		2	5.17	5.08	5.28	266		
		3	5.54	5.44	5.64	287		
		4	6.23	6.13	6.33	296		
		5	6.61	6.51	6.71	305		
	2	1	3.92	3.82	4.02	277	302	
		2	4.20	4.10	4.30	290		
		3	4.48	4.38	4.58	306		
		4	5.18	5.08	5.28	305		
		5	5.47	5.37	5.57	332		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22852-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 240-81915/23-A
 Instrument ID (1): A2HP4 Instrument ID (2): A2HP4
 Date Analyzed (1): 04/17/2013 19:06 Date Analyzed (2): 04/17/2013 19:06
 GC Column (1): CLP-2 ID: 0.53(mm) GC Column (2): CLP-1 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
Aroclor-1016	1	1	2.15	2.05	2.25	183	201	5.9
		2	2.54	2.44	2.64	197		
		3	2.99	2.89	3.09	221		
		4	3.13	3.03	3.23	190		
		5	3.23	3.13	3.33	215		
	2	1	1.55	1.45	1.65	193	213	
		2	1.83	1.73	1.93	207		
		3	2.22	2.12	2.32	232		
		4	2.34	2.24	2.44	238		
		5	2.72	2.62	2.82	196		
Aroclor-1260	1	1	4.94	4.84	5.04	206	224	1.6
		2	5.17	5.07	5.27	214		
		3	5.54	5.44	5.64	224		
		4	6.23	6.13	6.33	234		
		5	6.61	6.51	6.71	241		
	2	1	3.92	3.82	4.02	204	227	
		2	4.20	4.10	4.30	214		
		3	4.48	4.38	4.58	228		
		4	5.18	5.08	5.28	228		
		5	5.47	5.37	5.57	263		

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22852-1
SDG No.: _____
Client Sample ID: 068SB-0060M-0001,0002-SO Lab Sample ID: 240-22852-1
Matrix: Solid Lab File ID: P4000023.D
Analysis Method: 8082/DOD Date Collected: 04/04/2013 14:10
Extraction Method: 3540C Date Extracted: 04/12/2013 11:18
Sample wt/vol: 29.76(g) Date Analyzed: 04/18/2013 14:50
Con. Extract Vol.: 10 (mL) Dilution Factor: 1
Injection Volume: 1 (uL) GC Column: CLP-1 ID: 0.53 (mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 82363 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	54		40-140
2051-24-3	DCB Decachlorobiphenyl	62		60-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130417-18971.b\P4000023.D
 Lims ID: 240-22852-I-1-E Client ID: 068SB-0060M-0001,0002-SO
 Inject. Date: 18-Apr-2013 14:50:07 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 240-0018971-023
 Misc. Info.:
 Operator: Instrument ID: A2HP4
 Injection Vol: 1.0 uL ALS Bottle#: 23
 Lims Batch ID: 82363 Lims Sample ID: 23
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\Ncchrom\ChromData\A2HP4\20130417-18971.b\PCB4.m
 Last Update: 19-Apr-2013 14:48:03 Calib Date: 15-Apr-2013 10:24:45
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK027

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

\$ 2 Tetrachloro-m-xylene

1	44	1.278	1.275	0.003	17132765	0.0108			
2	2	1.685	1.683	0.002	16711199	0.0106			

RPD = 2.13

3 PCB-1221

1	2	1.405							
1	3	1.515							
1	4	1.544							
2	4	1.957							
2	5	2.089							
2	6	2.145							

4 PCB-1232

1	100	1.543							
1	2	1.826							
1	3	2.217							
1	4	2.337							
1	5	2.716							
2	6	2.143							
2	7	2.538							
2	8	2.990							
2	9	3.129							
2	10	3.738							

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

5 PCB-1242

1	100	1.544
1	2	1.826
1	3	2.218
1	4	2.338
1	5	2.717
2	6	2.143
2	7	2.539
2	8	2.991
2	9	3.129
2	10	3.738

6 PCB-1016

1	100	1.545
1	2	1.827
1	3	2.219
1	4	2.339
1	5	2.717
2	6	2.145
2	7	2.541
2	8	2.993
2	9	3.131
2	10	3.235

7 PCB-1248

1	86	1.825
1	2	2.216
1	3	2.716
1	4	3.293
1	5	3.726
2	6	2.538
2	7	2.990
2	8	3.739
2	9	4.013
2	10	4.735

8 PCB-1254

1	100	3.340
1	2	3.727
1	3	4.010
1	4	4.199
1	5	4.483
2	6	4.260
2	7	4.735
2	8	4.980
2	9	5.341
2	10	5.543

Data File: \\Ncchrom\ChromData\A2HP4\20130417-18971.b\P4000023.D

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

10 PCB-1260

1	100		3.916						
1	2		4.203						
1	3		4.483						
1	4		5.184						
1	5		5.467						
2	6		4.944						
2	7		5.175						
2	8		5.543						
2	9		6.228						
2	10		6.609						

\$ 12 DCB Decachlorobiphenyl

1	100	6.620	6.619	0.001	16443433	0.0123			
2	2	7.843	7.843	0.000	17342993	0.0119			

RPD = 3.38

Report Date: 19-Apr-2013 14:48:06

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130417-18971.b\P4000023.D

Injection Date: 18-Apr-2013 14:50:07

Limit Group: GC 8082A ICAL

Client ID: 068SB-0060M-0001,0002-SO

Instrument ID: A2HP4

Lims Batch ID: 82363

Lims Sample ID: 23

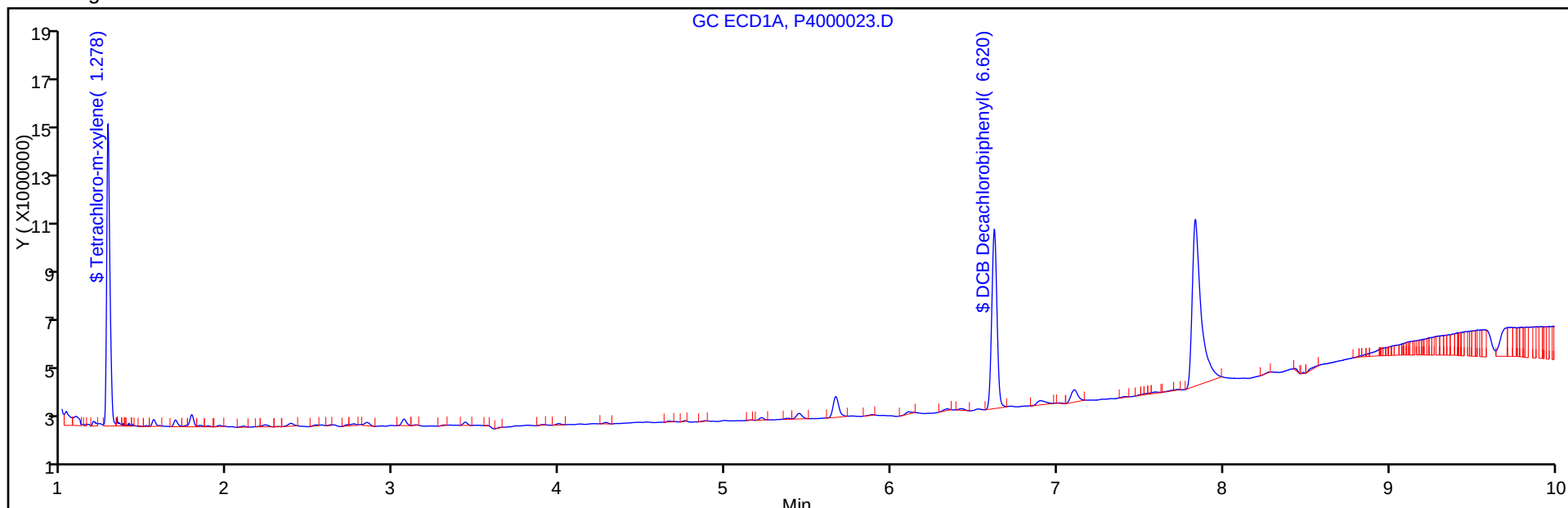
Operator ID:

Injection Vol: 1.0 uL

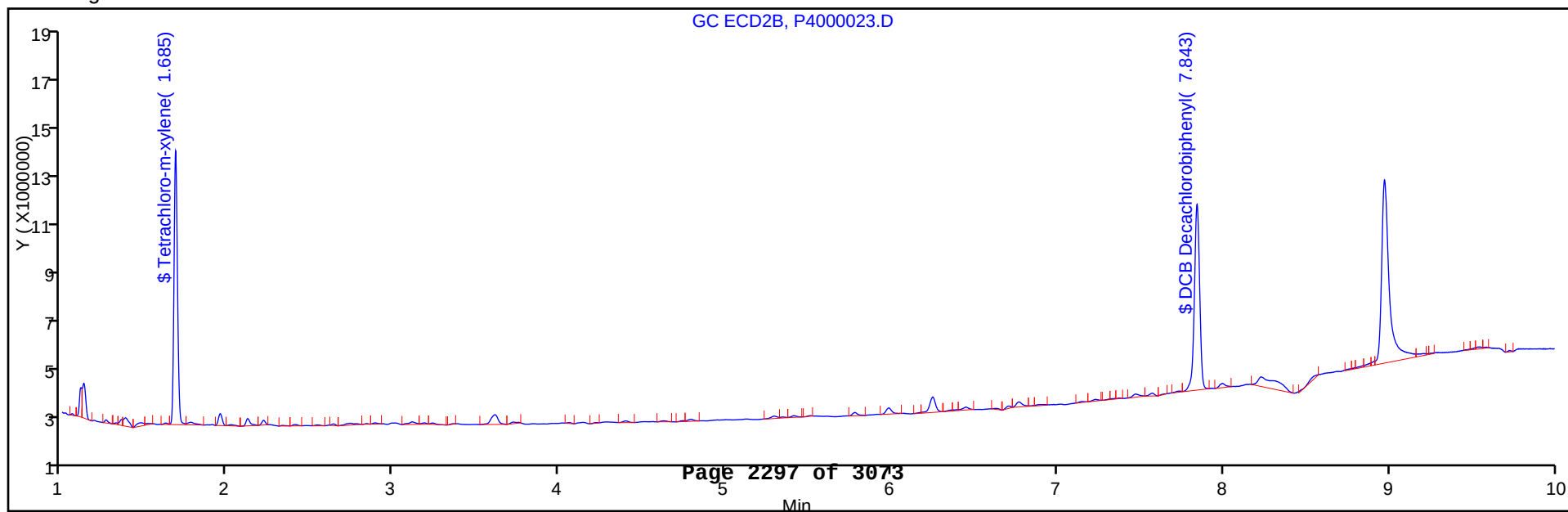
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22852-1
 SDG No.: _____
 Client Sample ID: 068SB-0060M-0001,0002-SO Lab Sample ID: 240-22852-1
 Matrix: Solid Lab File ID: P4000023.D
 Analysis Method: 8082/DOD Date Collected: 04/04/2013 14:10
 Extraction Method: 3540C Date Extracted: 04/12/2013 11:18
 Sample wt/vol: 29.76(g) Date Analyzed: 04/18/2013 14:50
 Con. Extract Vol.: 10(mL) Dilution Factor: 1
 Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 82363 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	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	25	U	55	25	17

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	53		40-140
2051-24-3	DCB Decachlorobiphenyl	60		60-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130417-18971.b\P4000023.D
 Lims ID: 240-22852-I-1-E Client ID: 068SB-0060M-0001,0002-SO
 Inject. Date: 18-Apr-2013 14:50:07 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 240-0018971-023
 Misc. Info.:
 Operator: Instrument ID: A2HP4
 Injection Vol: 1.0 uL ALS Bottle#: 23
 Lims Batch ID: 82363 Lims Sample ID: 23
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\Ncchrom\ChromData\A2HP4\20130417-18971.b\PCB4.m
 Last Update: 19-Apr-2013 14:48:03 Calib Date: 15-Apr-2013 10:24:45
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK027

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

\$ 2 Tetrachloro-m-xylene

1	44	1.278	1.275	0.003	17132765	0.0108			
2	2	1.685	1.683	0.002	16711199	0.0106			

RPD = 2.13

3 PCB-1221

1	2	1.405							
1	3	1.515							
1	4	1.544							
2	4	1.957							
2	5	2.089							
2	6	2.145							

4 PCB-1232

1	100	1.543							
1	2	1.826							
1	3	2.217							
1	4	2.337							
1	5	2.716							
2	6	2.143							
2	7	2.538							
2	8	2.990							
2	9	3.129							
2	10	3.738							

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

5 PCB-1242

1	100	1.544
1	2	1.826
1	3	2.218
1	4	2.338
1	5	2.717
2	6	2.143
2	7	2.539
2	8	2.991
2	9	3.129
2	10	3.738

6 PCB-1016

1	100	1.545
1	2	1.827
1	3	2.219
1	4	2.339
1	5	2.717
2	6	2.145
2	7	2.541
2	8	2.993
2	9	3.131
2	10	3.235

7 PCB-1248

1	86	1.825
1	2	2.216
1	3	2.716
1	4	3.293
1	5	3.726
2	6	2.538
2	7	2.990
2	8	3.739
2	9	4.013
2	10	4.735

8 PCB-1254

1	100	3.340
1	2	3.727
1	3	4.010
1	4	4.199
1	5	4.483
2	6	4.260
2	7	4.735
2	8	4.980
2	9	5.341
2	10	5.543

Data File: \\Ncchrom\ChromData\A2HP4\20130417-18971.b\P4000023.D

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

10 PCB-1260

1	100		3.916						
1	2		4.203						
1	3		4.483						
1	4		5.184						
1	5		5.467						
2	6		4.944						
2	7		5.175						
2	8		5.543						
2	9		6.228						
2	10		6.609						

\$ 12 DCB Decachlorobiphenyl

1	100	6.620	6.619	0.001	16443433	0.0123			
2	2	7.843	7.843	0.000	17342993	0.0119			

RPD = 3.38

Report Date: 19-Apr-2013 14:48:07

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130417-18971.b\P4000023.D

Injection Date: 18-Apr-2013 14:50:07

Limit Group: GC 8082A ICAL

Client ID: 068SB-0060M-0001,0002-SO

Instrument ID: A2HP4

Lims Batch ID: 82363

Lims Sample ID: 23

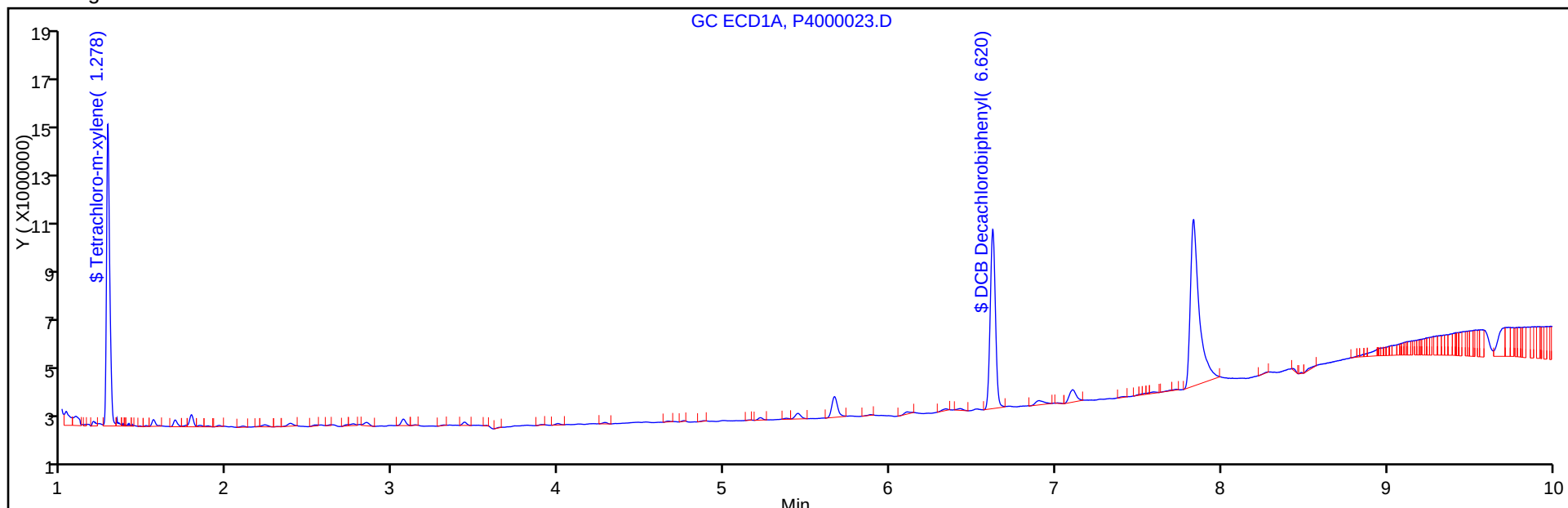
Operator ID:

Injection Vol: 1.0 uL

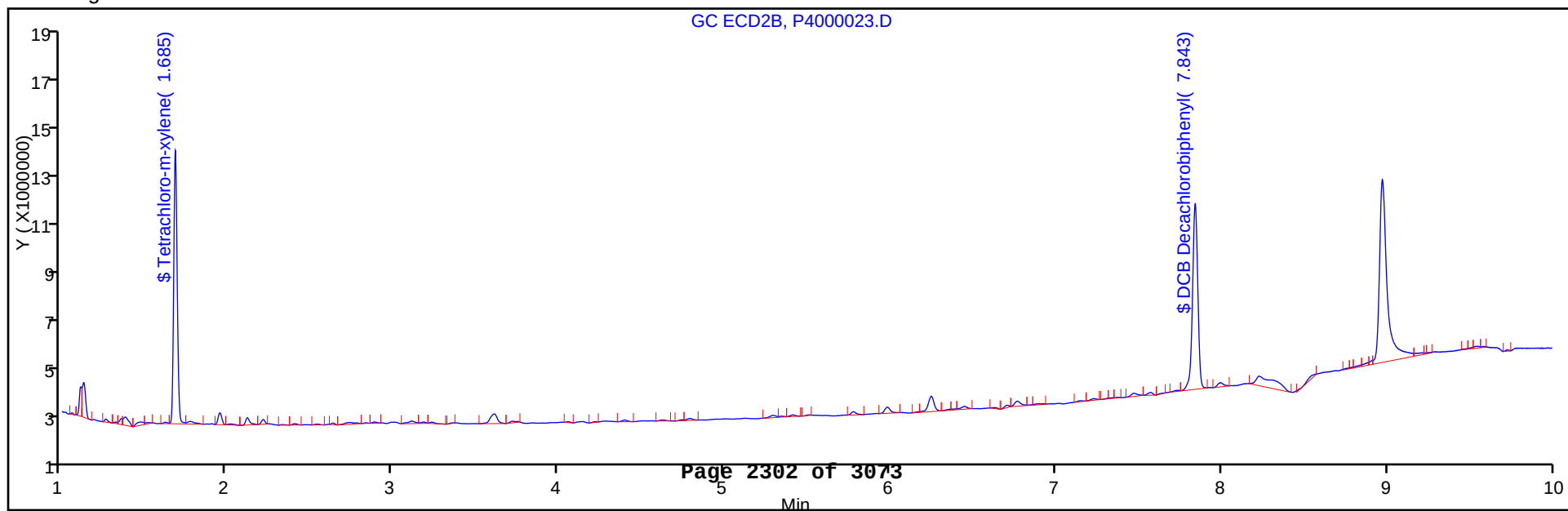
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22852-1
SDG No.: _____
Client Sample ID: 068SB-0061M-0001-SO Lab Sample ID: 240-22852-2
Matrix: Solid Lab File ID: P4000008.D
Analysis Method: 8082/DOD Date Collected: 04/04/2013 14:10
Extraction Method: 3540C Date Extracted: 04/15/2013 09:45
Sample wt/vol: 30.02(g) Date Analyzed: 04/17/2013 18:35
Con. Extract Vol.: 10.0(mL) Dilution Factor: 1
Injection Volume: 1(uL) GC Column: CLP-1 ID: 0.53(mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 82392 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	59		40-140
2051-24-3	DCB Decachlorobiphenyl	70		60-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130417-18977.b\P4000008.D
 Lims ID: 240-22852-C-2-B Client ID: 068SB-0061M-0001-SO
 Inject. Date: 17-Apr-2013 18:35:13 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 240-0018977-008
 Misc. Info.:
 Operator: Instrument ID: A2HP4
 Injection Vol: 1.0 uL ALS Bottle#: 8
 Lims Batch ID: 82392 Lims Sample ID: 8
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\Ncchrom\ChromData\A2HP4\20130417-18977.b\PCB4.m
 Last Update: 18-Apr-2013 10:27:45 Calib Date: 15-Apr-2013 10:24:45
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK014

First Level Reviewer: hassl

Date: 18-Apr-2013 10:27:45

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

\$ 2 Tetrachloro-m-xylene

1	44	1.275	1.275	0.000	18728598	0.0118			
2	2	1.683	1.683	0.000	18828188	0.0119			

RPD = 0.90

3 PCB-1221

1	2	1.406							
1	3	1.514							
1	4	1.543							
2	4	1.956							
2	5	2.087							
2	6	2.144							

4 PCB-1232

1	100	1.543							
1	2	1.824							
1	3	2.216							
1	4	2.336							
1	5	2.714							
2	6	2.143							
2	7	2.538							
2	8	2.989							
2	9	3.128							
2	10	3.736							

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

5 PCB-1242

1	100	1.543
1	2	1.825
1	3	2.216
1	4	2.336
1	5	2.715
2	6	2.142
2	7	2.538
2	8	2.990
2	9	3.128
2	10	3.738

6 PCB-1016

1	100	1.545
1	2	1.828
1	3	2.219
1	4	2.340
1	5	2.718
2	6	2.145
2	7	2.541
2	8	2.992
2	9	3.130
2	10	3.234

7 PCB-1248

1	86	1.824
1	2	2.215
1	3	2.715
1	4	3.292
1	5	3.725
2	6	2.538
2	7	2.989
2	8	3.737
2	9	4.013
2	10	4.735

8 PCB-1254

1	100	3.339
1	2	3.725
1	3	4.008
1	4	4.197
1	5	4.480
2	6	4.258
2	7	4.734
2	8	4.979
2	9	5.340
2	10	5.541

Data File: \\Ncchrom\ChromData\A2HP4\20130417-18977.b\P4000008.D

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

10 PCB-1260

1	100		3.915						
1	2		4.201						
1	3		4.482						
1	4		5.181						
1	5		5.465						
2	6		4.942						
2	7		5.171						
2	8		5.540						
2	9		6.225						
2	10		6.606						

\$ 12 DCB Decachlorobiphenyl

1	100	6.618	6.619	-0.001	18782516	0.0141
2	2	7.841	7.840	0.001	18970820	0.0130

RPD = 7.70

Report Date: 18-Apr-2013 10:27:46

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130417-18977.b\P4000008.D

Injection Date: 17-Apr-2013 18:35:13

Limit Group: GC 8082A ICAL

Client ID: 068SB-0061M-0001-SO

Instrument ID: A2HP4

Lims Batch ID: 82392

Lims Sample ID: 8

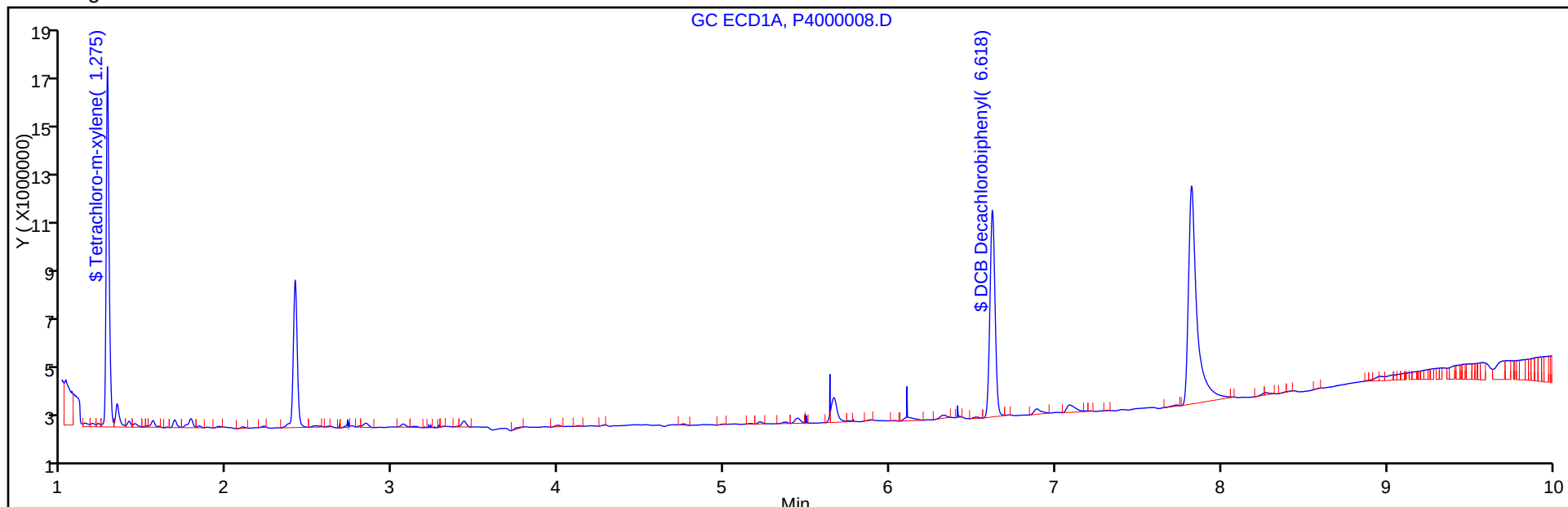
Operator ID:

Injection Vol: 1.0 uL

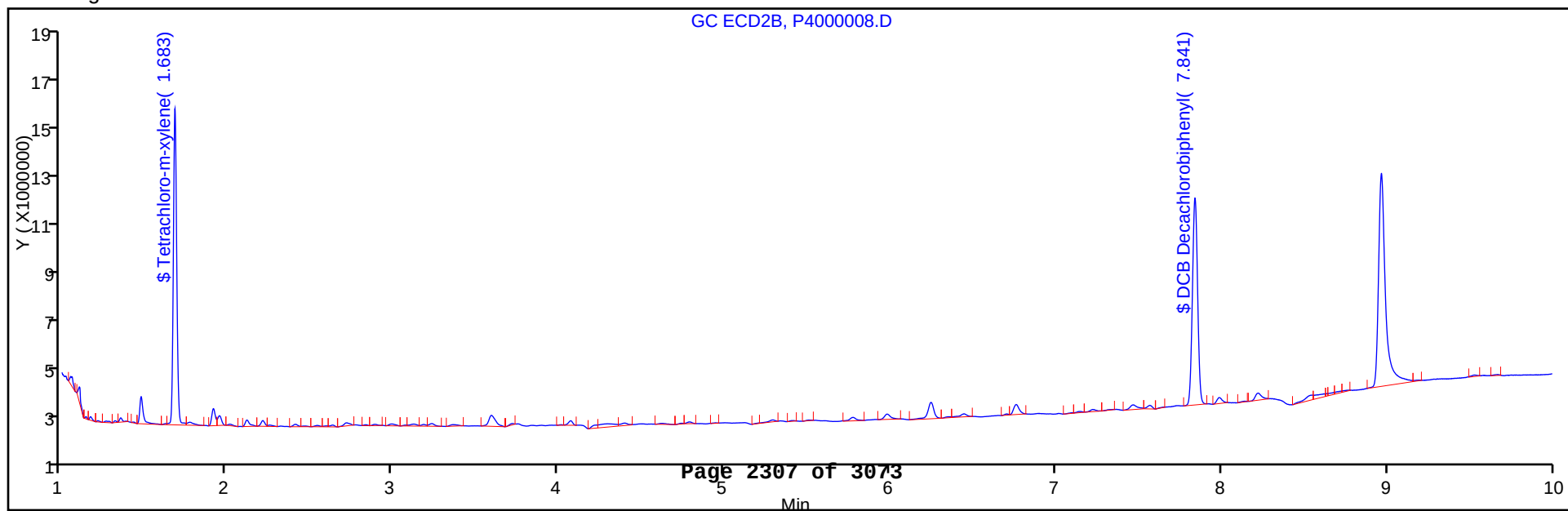
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22852-1

SDG No.: _____

Client Sample ID: 068SB-0061M-0001-SO Lab Sample ID: 240-22852-2

Matrix: Solid Lab File ID: P4000008.D

Analysis Method: 8082/DOD Date Collected: 04/04/2013 14:10

Extraction Method: 3540C Date Extracted: 04/15/2013 09:45

Sample wt/vol: 30.02(g) Date Analyzed: 04/17/2013 18:35

Con. Extract Vol.: 10.0(mL) Dilution Factor: 1

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

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

Analysis Batch No.: 82392 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	60		40-140
2051-24-3	DCB Decachlorobiphenyl	65		60-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130417-18977.b\P4000008.D
 Lims ID: 240-22852-C-2-B Client ID: 068SB-0061M-0001-SO
 Inject. Date: 17-Apr-2013 18:35:13 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 240-0018977-008
 Misc. Info.:
 Operator: Instrument ID: A2HP4
 Injection Vol: 1.0 uL ALS Bottle#: 8
 Lims Batch ID: 82392 Lims Sample ID: 8
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\Ncchrom\ChromData\A2HP4\20130417-18977.b\PCB4.m
 Last Update: 18-Apr-2013 10:27:45 Calib Date: 15-Apr-2013 10:24:45
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK014

First Level Reviewer: hassl

Date: 18-Apr-2013 10:27:45

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

\$ 2 Tetrachloro-m-xylene

1	44	1.275	1.275	0.000	18728598	0.0118			
2	2	1.683	1.683	0.000	18828188	0.0119			

RPD = 0.90

3 PCB-1221

1	2	1.406
1	3	1.514
1	4	1.543
2	4	1.956
2	5	2.087
2	6	2.144

4 PCB-1232

1	100	1.543
1	2	1.824
1	3	2.216
1	4	2.336
1	5	2.714
2	6	2.143
2	7	2.538
2	8	2.989
2	9	3.128
2	10	3.736

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

5 PCB-1242

1	100	1.543
1	2	1.825
1	3	2.216
1	4	2.336
1	5	2.715
2	6	2.142
2	7	2.538
2	8	2.990
2	9	3.128
2	10	3.738

6 PCB-1016

1	100	1.545
1	2	1.828
1	3	2.219
1	4	2.340
1	5	2.718
2	6	2.145
2	7	2.541
2	8	2.992
2	9	3.130
2	10	3.234

7 PCB-1248

1	86	1.824
1	2	2.215
1	3	2.715
1	4	3.292
1	5	3.725
2	6	2.538
2	7	2.989
2	8	3.737
2	9	4.013
2	10	4.735

8 PCB-1254

1	100	3.339
1	2	3.725
1	3	4.008
1	4	4.197
1	5	4.480
2	6	4.258
2	7	4.734
2	8	4.979
2	9	5.340
2	10	5.541

Data File: \\Ncchrom\ChromData\A2HP4\20130417-18977.b\P4000008.D

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

10 PCB-1260

1	100		3.915						
1	2		4.201						
1	3		4.482						
1	4		5.181						
1	5		5.465						
2	6		4.942						
2	7		5.171						
2	8		5.540						
2	9		6.225						
2	10		6.606						

\$ 12 DCB Decachlorobiphenyl

1	100	6.618	6.619	-0.001	18782516	0.0141			
2	2	7.841	7.840	0.001	18970820	0.0130			

RPD = 7.70

Report Date: 18-Apr-2013 10:27:46

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130417-18977.b\P4000008.D

Injection Date: 17-Apr-2013 18:35:13

Limit Group: GC 8082A ICAL

Client ID: 068SB-0061M-0001-SO

Instrument ID: A2HP4

Lims Batch ID: 82392

Lims Sample ID: 8

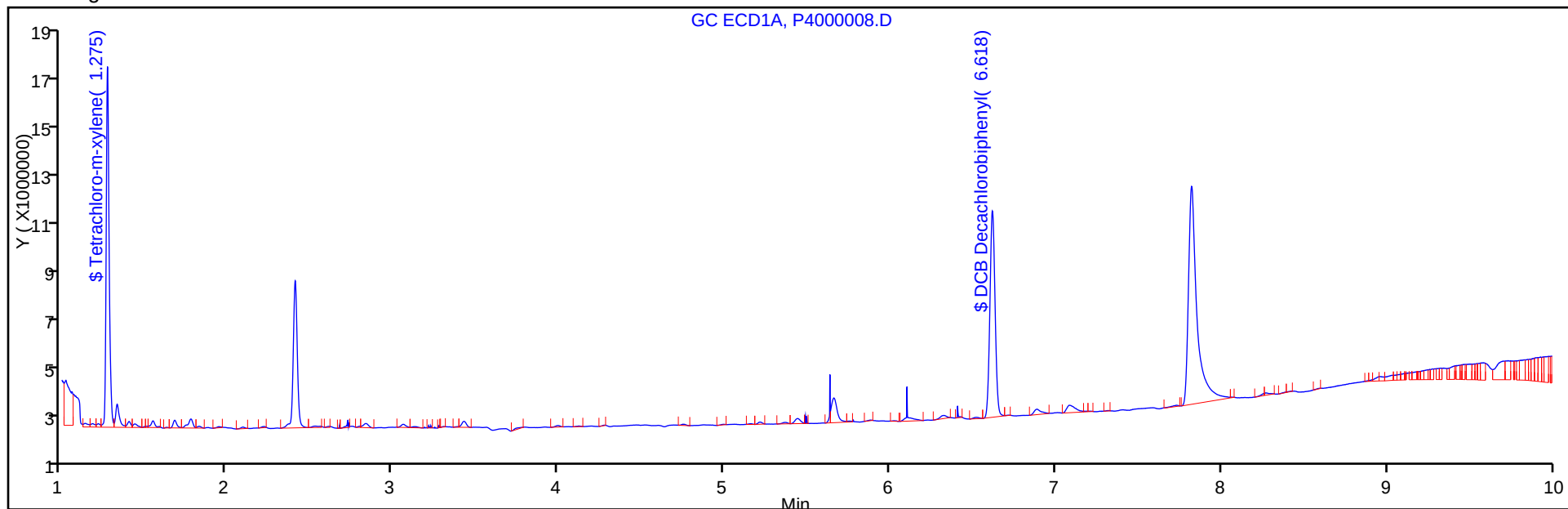
Operator ID:

Injection Vol: 1.0 uL

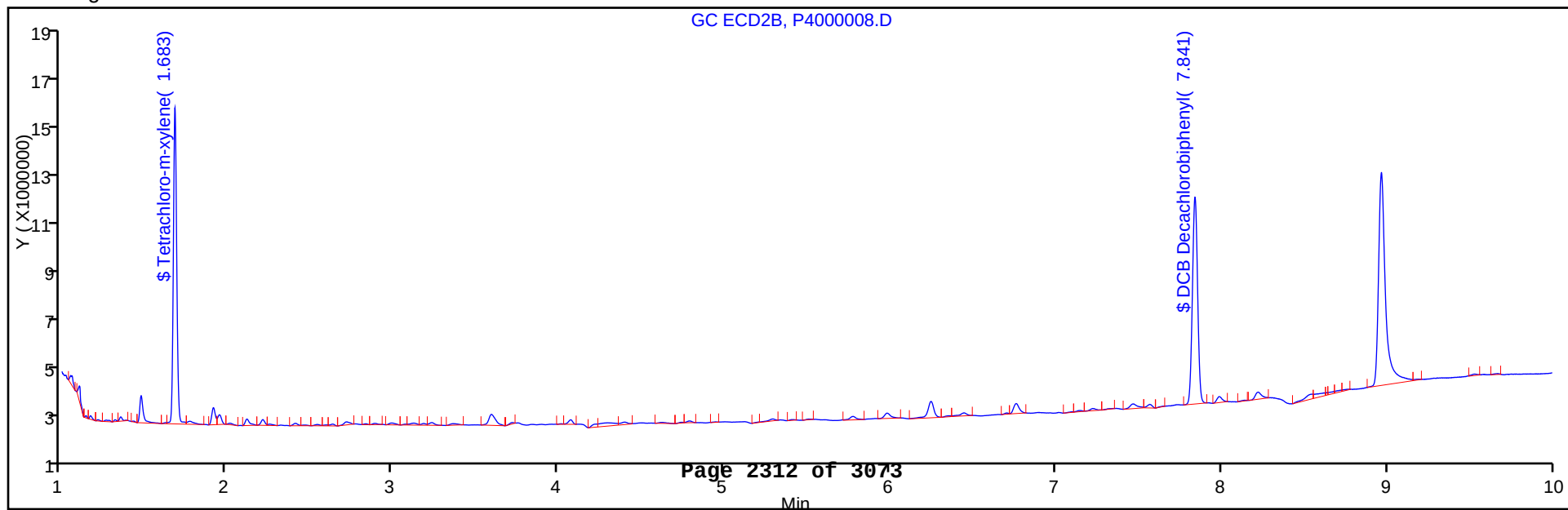
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22852-1 Analy Batch No.: 81761

SDG No.: _____

Instrument ID: A2HP4 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/14/2013 23:42 Calibration End Date: 04/15/2013 01:00 Calibration ID: 14509

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-81761/3	P4000003.D
Level 2	STD01 240-81761/4	P4000004.D
Level 3	STD02 240-81761/5	P4000005.D
Level 4	STD05 240-81761/6	P4000006.D
Level 5	STD1 240-81761/7	P4000007.D
Level 6	STD2 240-81761/8	P4000008.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
PCB-1232 Peak 1	1.538	1.538	1.539	1.539	1.539	1.538					1.438 - 1.638	1.539
PCB-1232 Peak 2	1.820	1.820	1.821	1.821	1.821	1.821					1.720 - 1.920	1.821
PCB-1232 Peak 3	2.210	2.211	2.211	2.211	2.213	2.211					2.110 - 2.310	2.211
PCB-1232 Peak 4	2.330	2.331	2.332	2.332	2.332	2.331					2.230 - 2.430	2.331
PCB-1232 Peak 5	2.707	2.709	2.709	2.710	2.709	2.708					2.607 - 2.807	2.709

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-22852-1 Analy Batch No.: 81761

SDG No.: _____

Instrument ID: A2HP4 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/14/2013 23:42 Calibration End Date: 04/15/2013 01:00 Calibration ID: 14509

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-81761/3	P4000003.D
Level 2	STD01 240-81761/4	P4000004.D
Level 3	STD02 240-81761/5	P4000005.D
Level 4	STD05 240-81761/6	P4000006.D
Level 5	STD1 240-81761/7	P4000007.D
Level 6	STD2 240-81761/8	P4000008.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								
PCB-1232 Peak 1	34691800 27056868	32818030 25878490	31171920	28251988	Ave		29978182.7				12.0		20.0			
PCB-1232 Peak 2	24420280 18766909	25395130 18136280	23820215	19737064	Ave		21712646.3				15.0		20.0			
PCB-1232 Peak 3	43703860 38931784	41496490 39453239	39555920	39098008	Ave		40373216.8				4.6		20.0			
PCB-1232 Peak 4	18512220 17039321	16713830 16969340	17382515	17509480	Ave		17354450.9				3.7		20.0			
PCB-1232 Peak 5	17975600 15263717	16238410 15003728	17032815	15707798	Ave		16203677.9				7.0		20.0			

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

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-22852-1 Analy Batch No.: 81761

SDG No.: _____

Instrument ID: A2HP4 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/14/2013 23:42 Calibration End Date: 04/15/2013 01:00 Calibration ID: 14509

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-81761/3	P4000003.D
Level 2	STD01 240-81761/4	P4000004.D
Level 3	STD02 240-81761/5	P4000005.D
Level 4	STD05 240-81761/6	P4000006.D
Level 5	STD1 240-81761/7	P4000007.D
Level 6	STD2 240-81761/8	P4000008.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1232 Peak 1	Ave	1734590 51756980	3281803	6234384	14125994	27056868	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1232 Peak 2	Ave	1221014 36272560	2539513	4764043	9868532	18766909	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1232 Peak 3	Ave	2185193 78906477	4149649	7911184	19549004	38931784	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1232 Peak 4	Ave	925611 33938679	1671383	3476503	8754740	17039321	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1232 Peak 5	Ave	898780 30007455	1623841	3406563	7853899	15263717	0.0500 2.00	0.100	0.200	0.500	1.00

Curve Type Legend:

Ave = Average

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000003.D
 Lims ID: STD005 1232 Client ID:
 Inject. Date: 14-Apr-2013 23:42:10 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 1
 Sample ID: 240-0018824-003
 Misc. Info.:
 Operator: Instrument ID: A2HP4
 Injection Vol: 1.0 ul ALS Bottle#: 3
 Lims Batch ID: 81761 Lims Sample ID: 3
 Sublist: chrom-PCB4*sub1
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\PCB4.m
 Last Update: 15-Apr-2013 13:04:34 Calib Date: 15-Apr-2013 10:24:45
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK026

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
4 PCB-1232									
1	100	1.538	1.538	0.000	1734590	0.0579		100.0	
1	2	1.820	1.820	0.000	1221014	0.0562	51.4- 101.4	70.4	
1	3	2.210	2.210	0.000	2185193	0.0541	101.9- 151.9	126.0	
1	4	2.330	2.330	0.000	925611	0.0533	30.8- 80.8	53.4	
1	5	2.707	2.707	0.000	898780	0.0555	29.6- 79.6	51.8	
Average of Peak Amounts =						0.0554			
2	6	2.136	2.136	0.000	1715989	0.0588		100.0	
2	7	2.531	2.531	0.000	1423247	0.0600	47.8- 107.8	82.9	
2	8	2.980	2.980	0.000	2325881	0.0547	111.9- 171.9	135.5	
2	9	3.120	3.120	0.000	1232586	0.0618	36.1- 96.1	71.8	
2	10	3.727	3.727	0.000	895382	0.0575	20.4- 80.4	52.2	
Average of Peak Amounts =						0.0585			
RPD = 5.51									

Report Date: 15-Apr-2013 13:04:35

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000003.D

Injection Date: 14-Apr-2013 23:42:10

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP4

Lims Batch ID: 81761

Lims Sample ID: 3

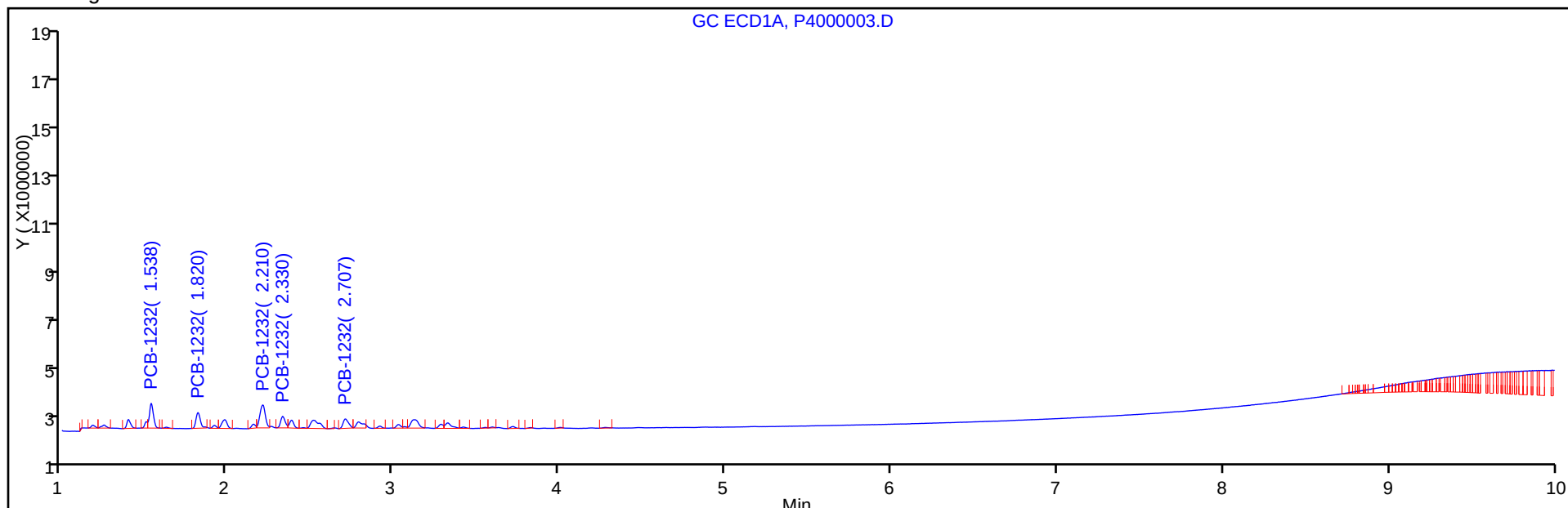
Operator ID:

Injection Vol: 1.0 ul

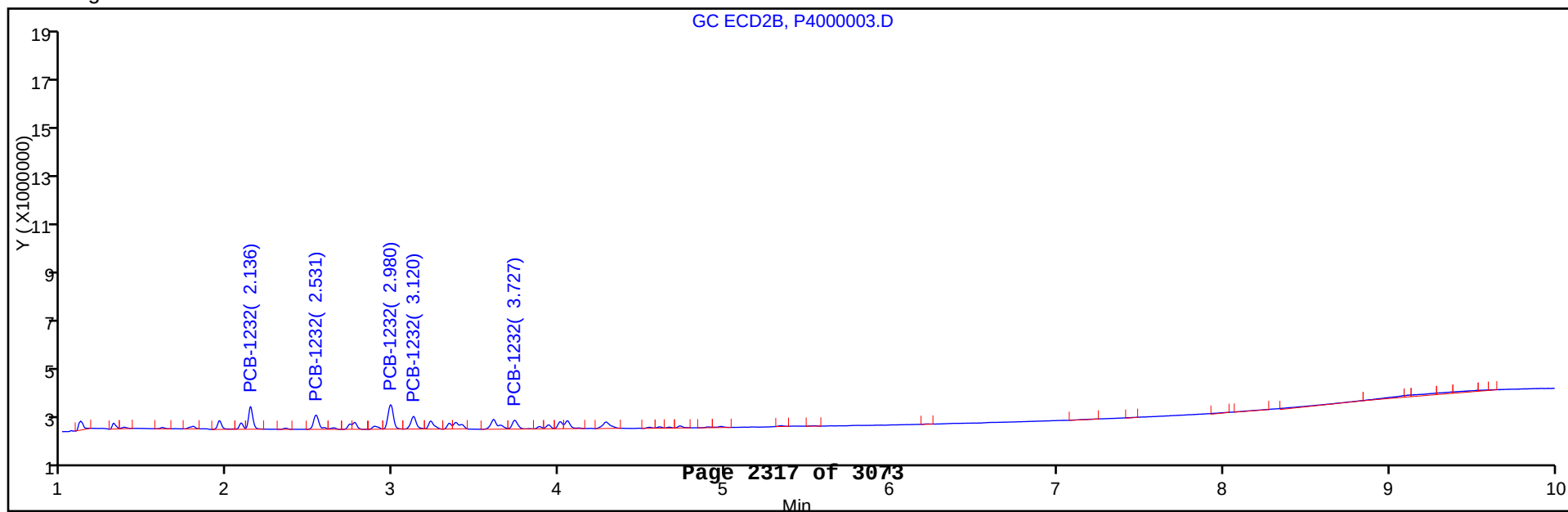
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000004.D
 Lims ID: STD01 1232 Client ID:
 Inject. Date: 14-Apr-2013 23:57:54 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 2
 Sample ID: 240-0018824-004
 Misc. Info.:
 Operator: Instrument ID: A2HP4
 Injection Vol: 1.0 ul ALS Bottle#: 4
 Lims Batch ID: 81761 Lims Sample ID: 4
 Sublist: chrom-PCB4*sub1
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\PCB4.m
 Last Update: 15-Apr-2013 13:04:36 Calib Date: 15-Apr-2013 10:24:45
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK026

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
4 PCB-1232									
1	100	1.538	1.538	0.000	3281803	0.1095		100.0	
1	2	1.820	1.820	0.000	2539513	0.1170	51.4- 101.4	77.4	
1	3	2.211	2.210	0.001	4149649	0.1028	101.9- 151.9	126.4	
1	4	2.331	2.330	0.001	1671383	0.0963	30.8- 80.8	50.9	
1	5	2.709	2.707	0.002	1623841	0.1002	29.6- 79.6	49.5	
Average of Peak Amounts =						0.1051			
2	6	2.137	2.136	0.001	3186451	0.1091		100.0	
2	7	2.532	2.531	0.001	2748679	0.1158	47.8- 107.8	86.3	
2	8	2.983	2.980	0.003	4441797	0.1044	111.9- 171.9	139.4	
2	9	3.122	3.120	0.002	2170154	0.1088	36.1- 96.1	68.1	
2	10	3.730	3.727	0.003	1667373	0.1071	20.4- 80.4	52.3	
Average of Peak Amounts =						0.1090			
						RPD = 3.64			

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000004.D

Injection Date: 14-Apr-2013 23:57:54

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP4

Lims Batch ID: 81761

Lims Sample ID: 4

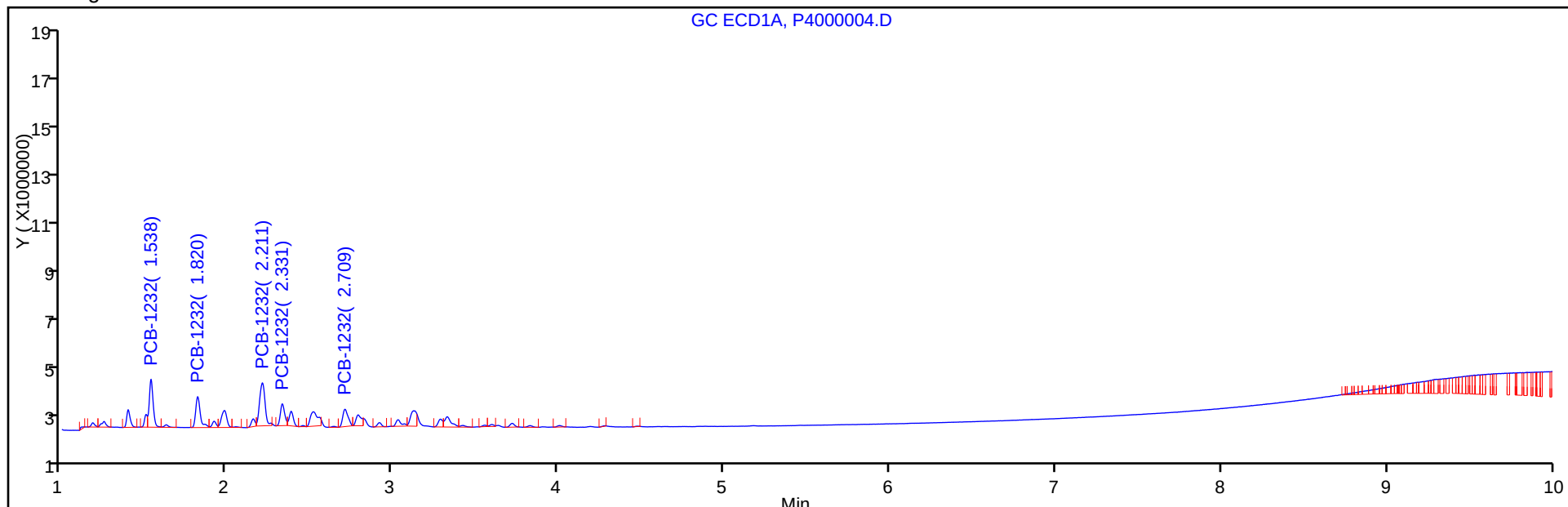
Operator ID:

Injection Vol: 1.0 ul

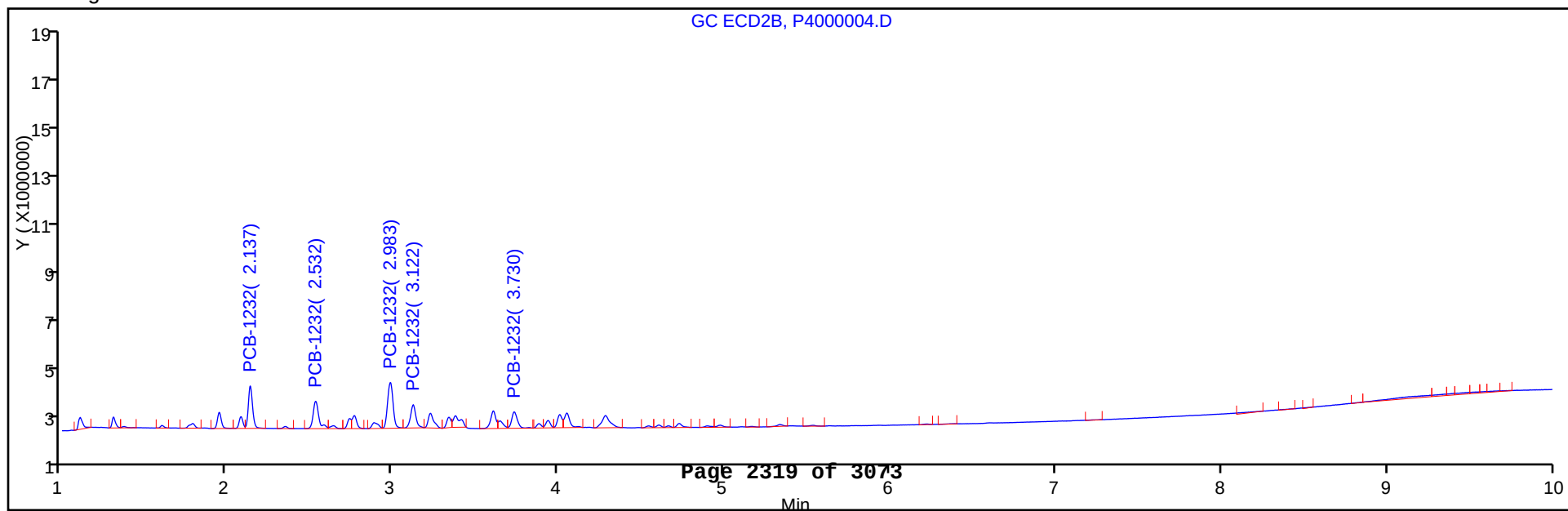
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000005.D
 Lims ID: STD02 1232 Client ID:
 Inject. Date: 15-Apr-2013 00:13:40 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 3
 Sample ID: 240-0018824-005
 Misc. Info.:
 Operator: Instrument ID: A2HP4
 Injection Vol: 1.0 ul ALS Bottle#: 5
 Lims Batch ID: 81761 Lims Sample ID: 5
 Sublist: chrom-PCB4*sub1
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\PCB4.m
 Last Update: 15-Apr-2013 13:04:37 Calib Date: 15-Apr-2013 10:24:45
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK026

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
4 PCB-1232									
1	100	1.539	1.538	0.001	6234384	0.2080		100.0	
1	2	1.821	1.820	0.001	4764043	0.2194	51.4- 101.4	76.4	
1	3	2.211	2.210	0.001	7911184	0.1960	101.9- 151.9	126.9	
1	4	2.332	2.330	0.002	3476503	0.2003	30.8- 80.8	55.8	
1	5	2.709	2.707	0.002	3406563	0.2102	29.6- 79.6	54.6	
Average of Peak Amounts =						0.2068			
2	6	2.138	2.136	0.002	5943640	0.2036		100.0	
2	7	2.533	2.531	0.002	4621768	0.1948	47.8- 107.8	77.8	
2	8	2.984	2.980	0.004	8433984	0.1982	111.9- 171.9	141.9	
2	9	3.122	3.120	0.002	3930765	0.1971	36.1- 96.1	66.1	
2	10	3.732	3.727	0.005	2996608	0.1924	20.4- 80.4	50.4	
Average of Peak Amounts =						0.1972			
RPD = 4.73									

Report Date: 15-Apr-2013 13:04:38

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000005.D

Injection Date: 15-Apr-2013 00:13:40

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP4

Lims Batch ID: 81761

Lims Sample ID: 5

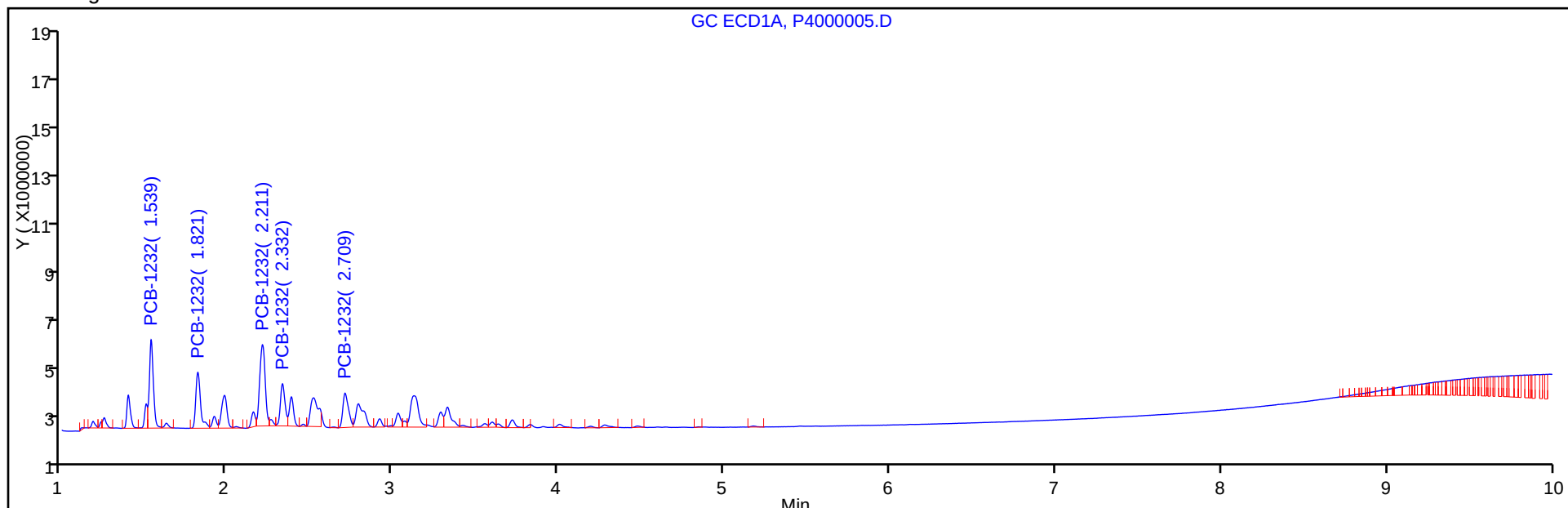
Operator ID:

Injection Vol: 1.0 ul

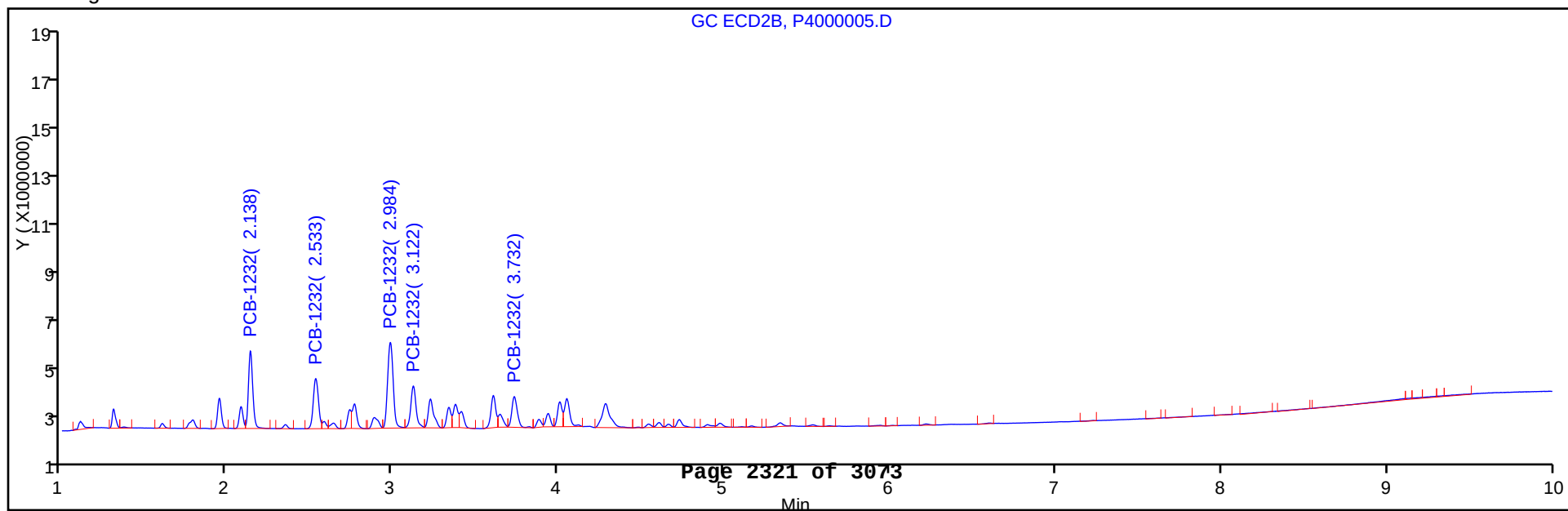
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000006.D
 Lims ID: STD05 1232 Client ID:
 Inject. Date: 15-Apr-2013 00:29:19 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 4
 Sample ID: 240-0018824-006
 Misc. Info.:
 Operator: Instrument ID: A2HP4
 Injection Vol: 1.0 ul ALS Bottle#: 6
 Lims Batch ID: 81761 Lims Sample ID: 6
 Sublist: chrom-PCB4*sub1
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\PCB4.m
 Last Update: 15-Apr-2013 13:04:38 Calib Date: 15-Apr-2013 10:24:45
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK026

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
4 PCB-1232									
1	100	1.539	1.538	0.001	14125994	0.4712		100.0	
1	2	1.821	1.820	0.001	9868532	0.4545	51.4- 101.4	69.9	
1	3	2.211	2.210	0.001	19549004	0.4842	101.9- 151.9	138.4	
1	4	2.332	2.330	0.002	8754740	0.5045	30.8- 80.8	62.0	
1	5	2.710	2.707	0.003	7853899	0.4847	29.6- 79.6	55.6	
Average of Peak Amounts =						0.4798			
2	6	2.139	2.136	0.003	13574790	0.4649		100.0	
2	7	2.534	2.531	0.003	11644076	0.4907	47.8- 107.8	85.8	
2	8	2.985	2.980	0.005	20093090	0.4722	111.9- 171.9	148.0	
2	9	3.123	3.120	0.003	8887201	0.4457	36.1- 96.1	65.5	
2	10	3.733	3.727	0.006	7197440	0.4622	20.4- 80.4	53.0	
Average of Peak Amounts =						0.4671			
RPD = 2.68									

Report Date: 15-Apr-2013 13:04:39

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000006.D

Injection Date: 15-Apr-2013 00:29:19

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP4

Lims Batch ID: 81761

Lims Sample ID: 6

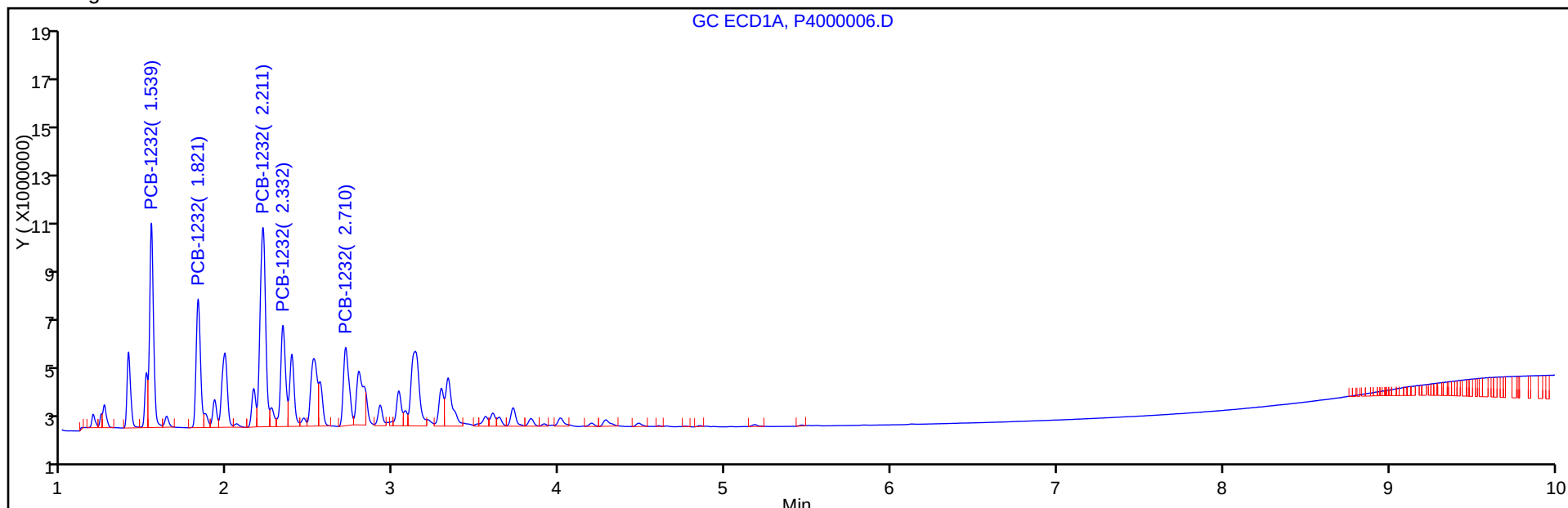
Operator ID:

Injection Vol: 1.0 ul

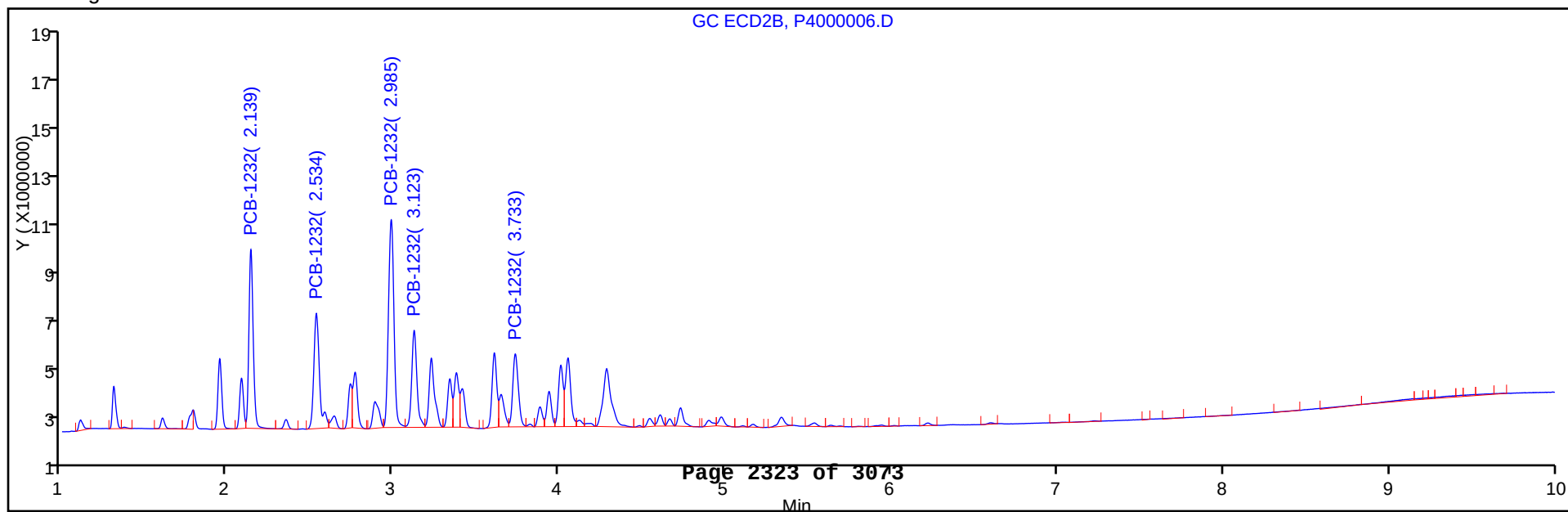
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000007.D
 Lims ID: STD1 1232 Client ID:
 Inject. Date: 15-Apr-2013 00:44:57 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 5
 Sample ID: 240-0018824-007
 Misc. Info.:
 Operator: Instrument ID: A2HP4
 Injection Vol: 1.0 ul ALS Bottle#: 7
 Lims Batch ID: 81761 Lims Sample ID: 7
 Sublist: chrom-PCB4*sub1
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\PCB4.m
 Last Update: 15-Apr-2013 13:04:40 Calib Date: 15-Apr-2013 10:24:45
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK026

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
4 PCB-1232									
1	100	1.539	1.538	0.001	27056868	0.9026		100.0	
1	2	1.821	1.820	0.001	18766909	0.8643	51.4- 101.4	69.4	
1	3	2.213	2.210	0.003	38931784	0.9643	101.9- 151.9	143.9	
1	4	2.332	2.330	0.002	17039321	0.9818	30.8- 80.8	63.0	
1	5	2.709	2.707	0.002	15263717	0.9420	29.6- 79.6	56.4	
Average of Peak Amounts =						0.9310			
2	6	2.138	2.136	0.002	26596872	0.9109		100.0	
2	7	2.533	2.531	0.002	20384639	0.8590	47.8- 107.8	76.6	
2	8	2.984	2.980	0.004	40746418	0.9576	111.9- 171.9	153.2	
2	9	3.123	3.120	0.003	17982813	0.9018	36.1- 96.1	67.6	
2	10	3.733	3.727	0.006	14725802	0.9456	20.4- 80.4	55.4	
Average of Peak Amounts =						0.9150			
						RPD = 1.74			

Report Date: 15-Apr-2013 13:04:41

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000007.D

Injection Date: 15-Apr-2013 00:44:57

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP4

Lims Batch ID: 81761

Lims Sample ID: 7

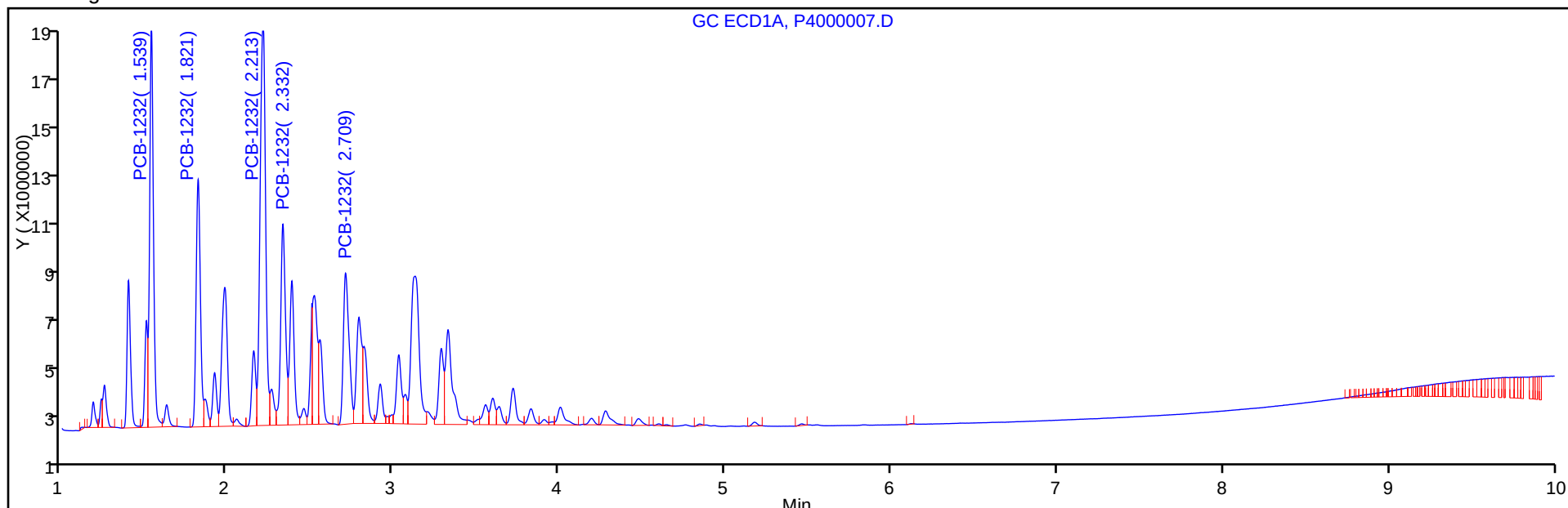
Operator ID:

Injection Vol: 1.0 ul

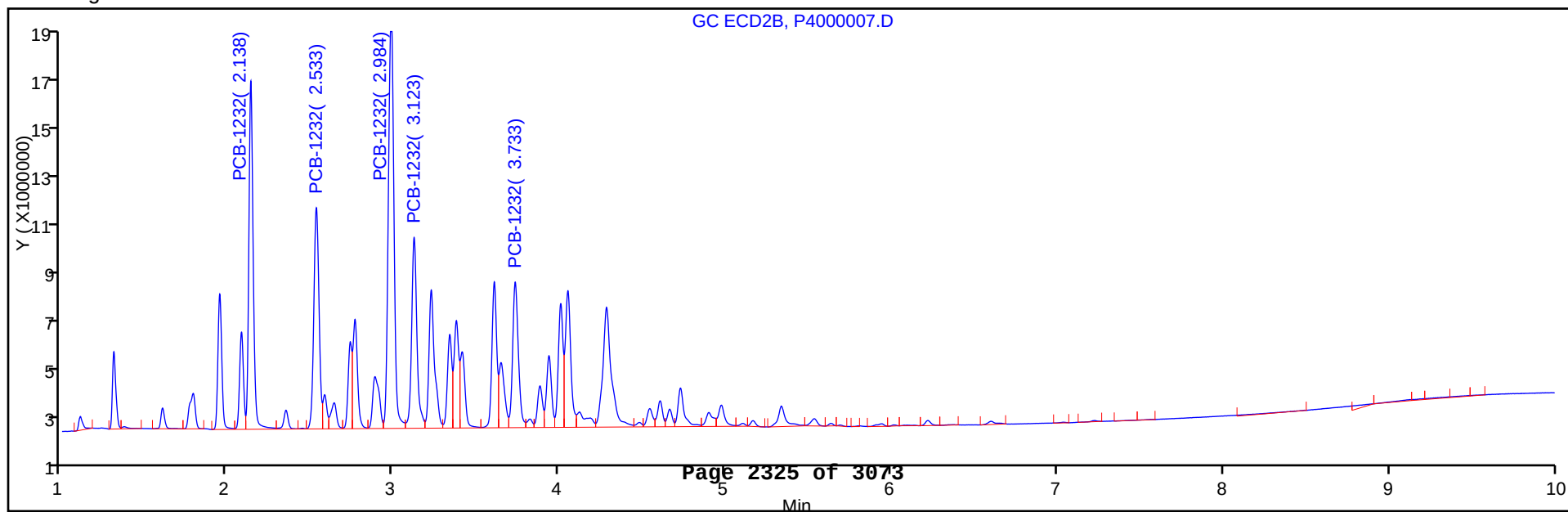
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000008.D
 Lims ID: STD2 1232 Client ID:
 Inject. Date: 15-Apr-2013 01:00:35 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 6
 Sample ID: 240-0018824-008
 Misc. Info.:
 Operator: Instrument ID: A2HP4
 Injection Vol: 1.0 ul ALS Bottle#: 8
 Lims Batch ID: 81761 Lims Sample ID: 8
 Sublist: chrom-PCB4*sub1
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\PCB4.m
 Last Update: 15-Apr-2013 13:04:41 Calib Date: 15-Apr-2013 10:24:45
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK026

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
4 PCB-1232									
1	100	1.538	1.538	0.000	51756980	1.73		100.0	
1	2	1.821	1.820	0.001	36272560	1.67	51.4- 101.4	70.1	
1	3	2.211	2.210	0.001	78906477	1.95	101.9- 151.9	152.5	
1	4	2.331	2.330	0.001	33938679	1.96	30.8- 80.8	65.6	
1	5	2.708	2.707	0.001	30007455	1.85	29.6- 79.6	58.0	
Average of Peak Amounts =						1.83			
2	6	2.138	2.136	0.002	51081361	1.75		100.0	
2	7	2.533	2.531	0.002	39302362	1.66	47.8- 107.8	76.9	
2	8	2.984	2.980	0.004	82540487	1.94	111.9- 171.9	161.6	
2	9	3.123	3.120	0.003	35771213	1.79	36.1- 96.1	70.0	
2	10	3.732	3.727	0.005	29503749	1.89	20.4- 80.4	57.8	
Average of Peak Amounts =						1.81			
RPD = 1.38									

Report Date: 15-Apr-2013 13:04:42

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000008.D

Injection Date: 15-Apr-2013 01:00:35

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP4

Lims Batch ID: 81761

Lims Sample ID: 8

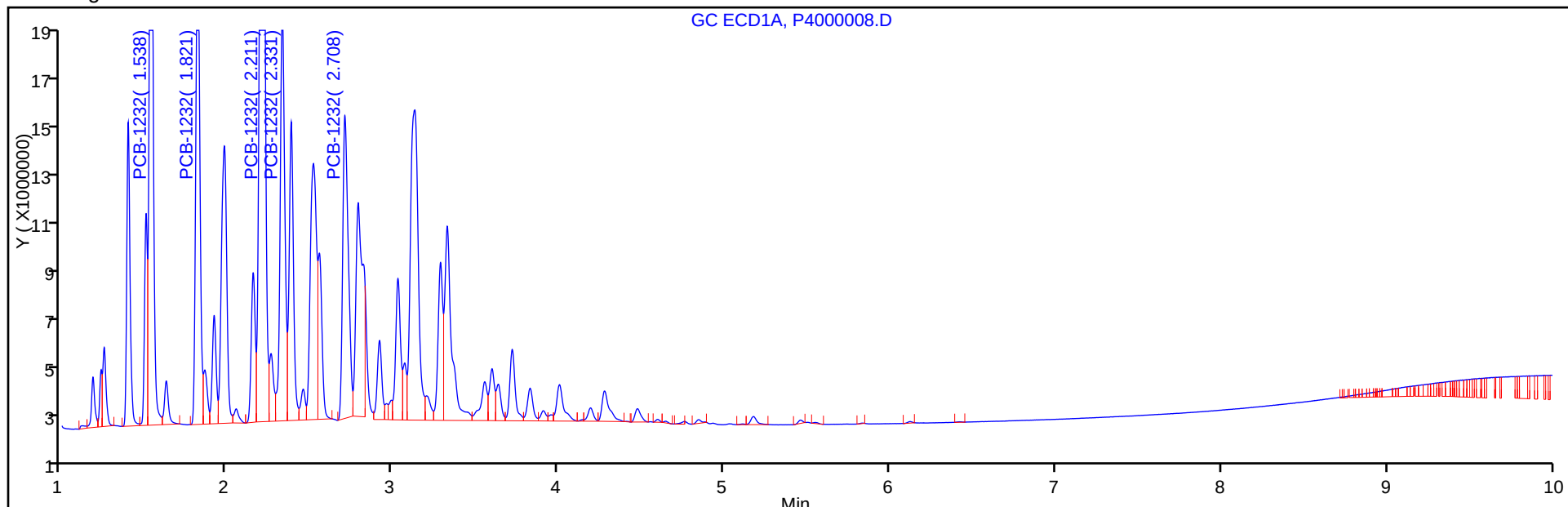
Operator ID:

Injection Vol: 1.0 ul

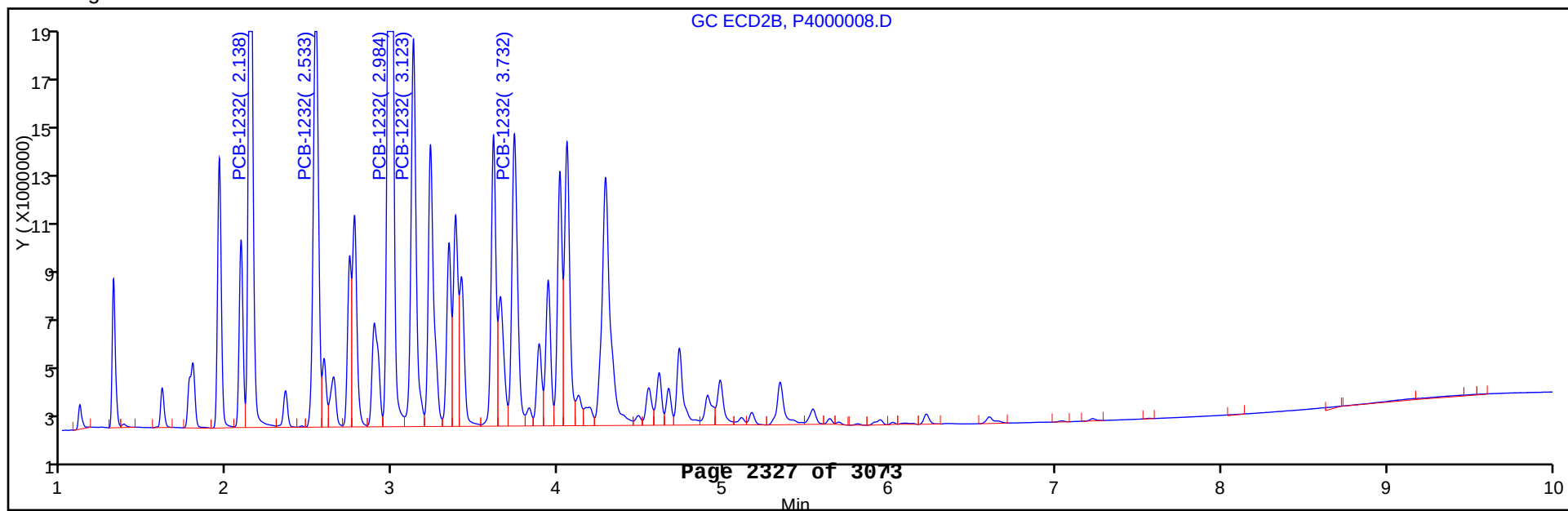
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22852-1 Analy Batch No.: 81761

SDG No.: _____

Instrument ID: A2HP4 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/14/2013 23:42 Calibration End Date: 04/15/2013 01:00 Calibration ID: 14510

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-81761/3	P4000003.D
Level 2	STD01 240-81761/4	P4000004.D
Level 3	STD02 240-81761/5	P4000005.D
Level 4	STD05 240-81761/6	P4000006.D
Level 5	STD1 240-81761/7	P4000007.D
Level 6	STD2 240-81761/8	P4000008.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
PCB-1232 Peak 1	2.136	2.137	2.138	2.139	2.138	2.138					2.036 - 2.236	2.138
PCB-1232 Peak 2	2.531	2.532	2.533	2.534	2.533	2.533					2.431 - 2.631	2.533
PCB-1232 Peak 3	2.980	2.983	2.984	2.985	2.984	2.984					2.880 - 3.080	2.983
PCB-1232 Peak 4	3.120	3.122	3.122	3.123	3.123	3.123					3.020 - 3.220	3.122
PCB-1232 Peak 5	3.727	3.730	3.732	3.733	3.733	3.732					3.627 - 3.827	3.731

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-22852-1 Analy Batch No.: 81761

SDG No.: _____

Instrument ID: A2HP4 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/14/2013 23:42 Calibration End Date: 04/15/2013 01:00 Calibration ID: 14510

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-81761/3	P4000003.D
Level 2	STD01 240-81761/4	P4000004.D
Level 3	STD02 240-81761/5	P4000005.D
Level 4	STD05 240-81761/6	P4000006.D
Level 5	STD1 240-81761/7	P4000007.D
Level 6	STD2 240-81761/8	P4000008.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								
PCB-1232 Peak 1	34319780 26596872	31864510 25540681	29718200	27149580	Ave		29198270.4				12.0		20.0			
PCB-1232 Peak 2	28464940 20384639	27486790 19651181	23108840	23288152	Ave		23730757.0				15.0		20.0			
PCB-1232 Peak 3	46517620 40746418	44417970 41270244	42169920	40186180	Ave		42551391.9				5.7		20.0			
PCB-1232 Peak 4	24651720 17982813	21701540 17885607	19653825	17774402	Ave		19941651.1				14.0		20.0			
PCB-1232 Peak 5	17907640 14725802	16673730 14751874	14983040	14394880	Ave		15572827.8				9.0		20.0			

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

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-22852-1 Analy Batch No.: 81761

SDG No.: _____

Instrument ID: A2HP4 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/14/2013 23:42 Calibration End Date: 04/15/2013 01:00 Calibration ID: 14510

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-81761/3	P4000003.D
Level 2	STD01 240-81761/4	P4000004.D
Level 3	STD02 240-81761/5	P4000005.D
Level 4	STD05 240-81761/6	P4000006.D
Level 5	STD1 240-81761/7	P4000007.D
Level 6	STD2 240-81761/8	P4000008.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1232 Peak 1	Ave	1715989 51081361	3186451	5943640	13574790	26596872	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1232 Peak 2	Ave	1423247 39302362	2748679	4621768	11644076	20384639	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1232 Peak 3	Ave	2325881 82540487	4441797	8433984	20093090	40746418	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1232 Peak 4	Ave	1232586 35771213	2170154	3930765	8887201	17982813	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1232 Peak 5	Ave	895382 29503749	1667373	2996608	7197440	14725802	0.0500 2.00	0.100	0.200	0.500	1.00

Curve Type Legend:

Ave = Average

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000003.D
 Lims ID: STD005 1232 Client ID:
 Inject. Date: 14-Apr-2013 23:42:10 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 1
 Sample ID: 240-0018824-003
 Misc. Info.:
 Operator: Instrument ID: A2HP4
 Injection Vol: 1.0 ul ALS Bottle#: 3
 Lims Batch ID: 81761 Lims Sample ID: 3
 Sublist: chrom-PCB4*sub1
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\PCB4.m
 Last Update: 15-Apr-2013 13:04:34 Calib Date: 15-Apr-2013 10:24:45
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK026

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
4 PCB-1232									
1	100	1.538	1.538	0.000	1734590	0.0579		100.0	
1	2	1.820	1.820	0.000	1221014	0.0562	51.4- 101.4	70.4	
1	3	2.210	2.210	0.000	2185193	0.0541	101.9- 151.9	126.0	
1	4	2.330	2.330	0.000	925611	0.0533	30.8- 80.8	53.4	
1	5	2.707	2.707	0.000	898780	0.0555	29.6- 79.6	51.8	
Average of Peak Amounts =						0.0554			
2	6	2.136	2.136	0.000	1715989	0.0588		100.0	
2	7	2.531	2.531	0.000	1423247	0.0600	47.8- 107.8	82.9	
2	8	2.980	2.980	0.000	2325881	0.0547	111.9- 171.9	135.5	
2	9	3.120	3.120	0.000	1232586	0.0618	36.1- 96.1	71.8	
2	10	3.727	3.727	0.000	895382	0.0575	20.4- 80.4	52.2	
Average of Peak Amounts =						0.0585			
RPD = 5.51									

Report Date: 15-Apr-2013 13:04:35

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000003.D

Injection Date: 14-Apr-2013 23:42:10

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP4

Lims Batch ID: 81761

Lims Sample ID: 3

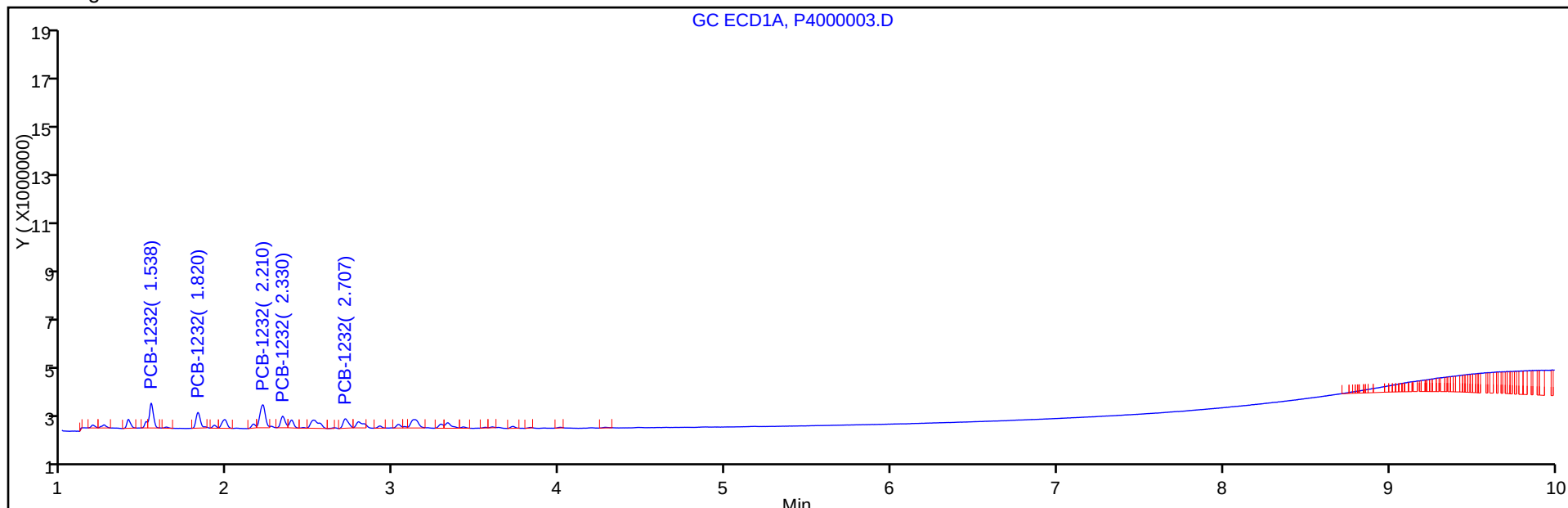
Operator ID:

Injection Vol: 1.0 ul

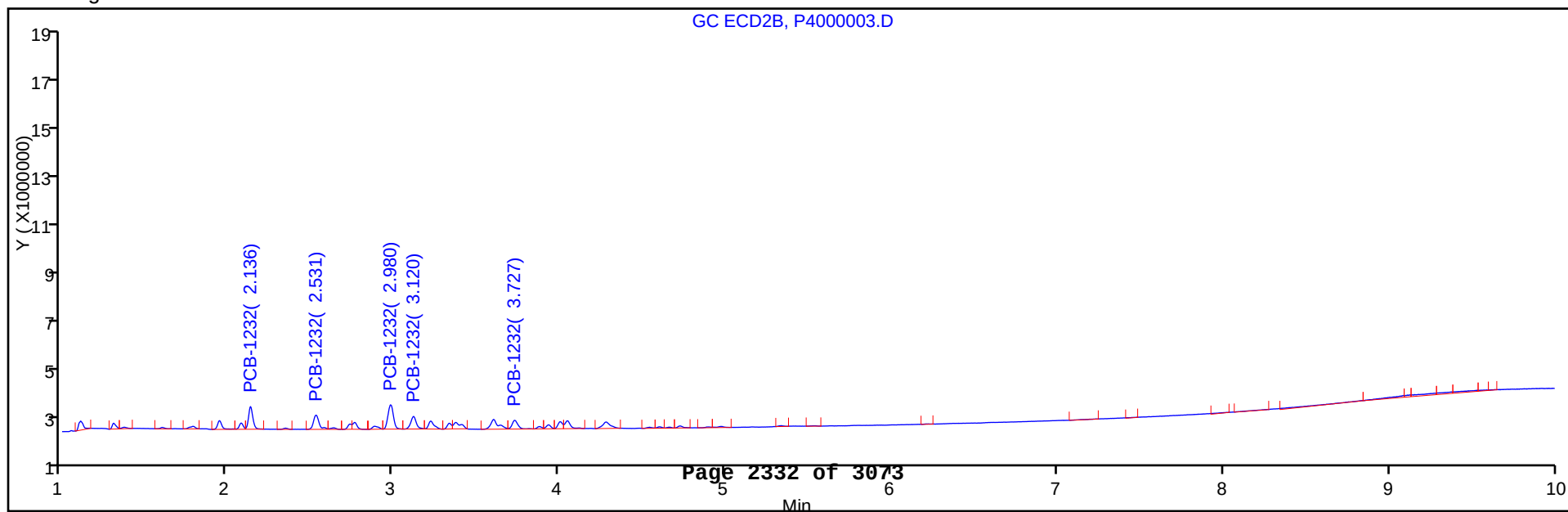
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000004.D
 Lims ID: STD01 1232 Client ID:
 Inject. Date: 14-Apr-2013 23:57:54 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 2
 Sample ID: 240-0018824-004
 Misc. Info.:
 Operator: Instrument ID: A2HP4
 Injection Vol: 1.0 ul ALS Bottle#: 4
 Lims Batch ID: 81761 Lims Sample ID: 4
 Sublist: chrom-PCB4*sub1
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\PCB4.m
 Last Update: 15-Apr-2013 13:04:36 Calib Date: 15-Apr-2013 10:24:45
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK026

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
4 PCB-1232									
1	100	1.538	1.538	0.000	3281803	0.1095		100.0	
1	2	1.820	1.820	0.000	2539513	0.1170	51.4- 101.4	77.4	
1	3	2.211	2.210	0.001	4149649	0.1028	101.9- 151.9	126.4	
1	4	2.331	2.330	0.001	1671383	0.0963	30.8- 80.8	50.9	
1	5	2.709	2.707	0.002	1623841	0.1002	29.6- 79.6	49.5	
Average of Peak Amounts =						0.1051			
2	6	2.137	2.136	0.001	3186451	0.1091		100.0	
2	7	2.532	2.531	0.001	2748679	0.1158	47.8- 107.8	86.3	
2	8	2.983	2.980	0.003	4441797	0.1044	111.9- 171.9	139.4	
2	9	3.122	3.120	0.002	2170154	0.1088	36.1- 96.1	68.1	
2	10	3.730	3.727	0.003	1667373	0.1071	20.4- 80.4	52.3	
Average of Peak Amounts =						0.1090			
RPD = 3.64									

Report Date: 15-Apr-2013 13:04:37

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000004.D

Injection Date: 14-Apr-2013 23:57:54

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP4

Lims Batch ID: 81761

Lims Sample ID: 4

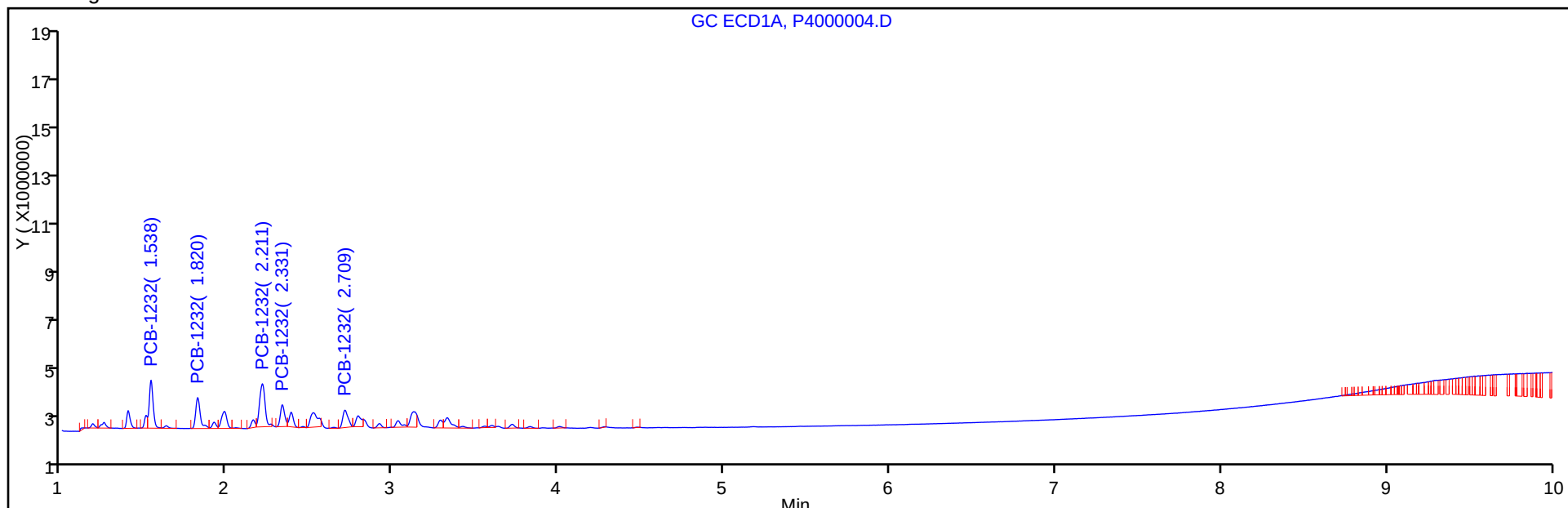
Operator ID:

Injection Vol: 1.0 ul

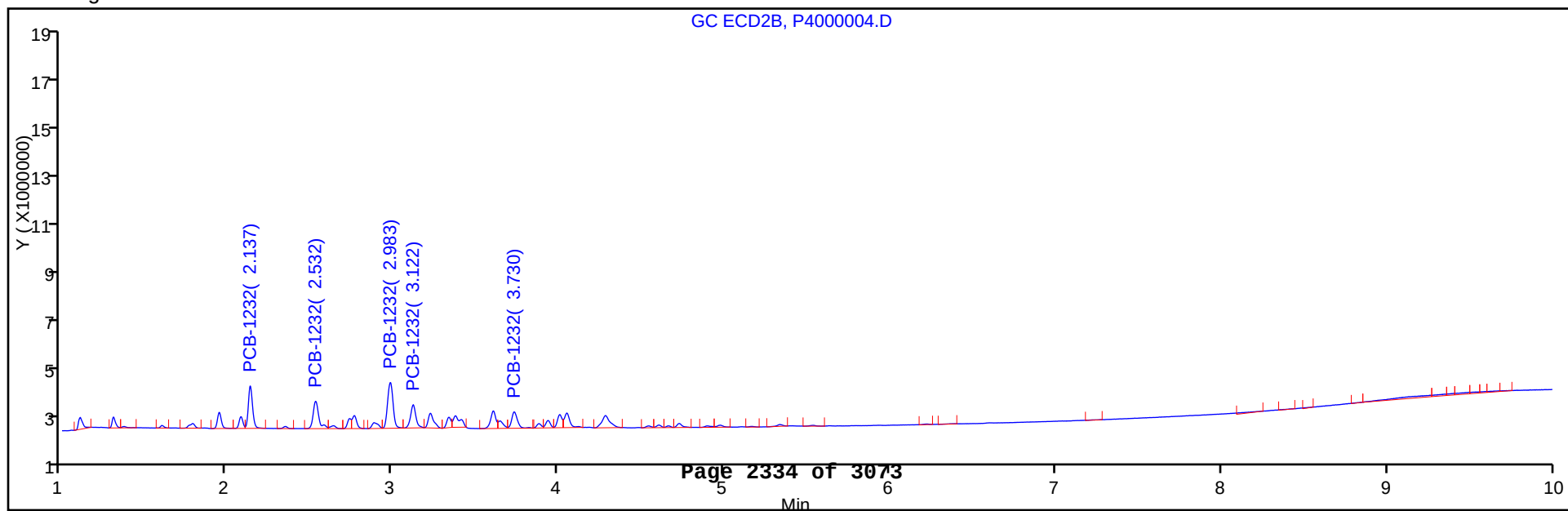
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000005.D
 Lims ID: STD02 1232 Client ID:
 Inject. Date: 15-Apr-2013 00:13:40 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 3
 Sample ID: 240-0018824-005
 Misc. Info.:
 Operator: Instrument ID: A2HP4
 Injection Vol: 1.0 ul ALS Bottle#: 5
 Lims Batch ID: 81761 Lims Sample ID: 5
 Sublist: chrom-PCB4*sub1
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\PCB4.m
 Last Update: 15-Apr-2013 13:04:37 Calib Date: 15-Apr-2013 10:24:45
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK026

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
4 PCB-1232									
1	100	1.539	1.538	0.001	6234384	0.2080		100.0	
1	2	1.821	1.820	0.001	4764043	0.2194	51.4- 101.4	76.4	
1	3	2.211	2.210	0.001	7911184	0.1960	101.9- 151.9	126.9	
1	4	2.332	2.330	0.002	3476503	0.2003	30.8- 80.8	55.8	
1	5	2.709	2.707	0.002	3406563	0.2102	29.6- 79.6	54.6	
Average of Peak Amounts =						0.2068			
2	6	2.138	2.136	0.002	5943640	0.2036		100.0	
2	7	2.533	2.531	0.002	4621768	0.1948	47.8- 107.8	77.8	
2	8	2.984	2.980	0.004	8433984	0.1982	111.9- 171.9	141.9	
2	9	3.122	3.120	0.002	3930765	0.1971	36.1- 96.1	66.1	
2	10	3.732	3.727	0.005	2996608	0.1924	20.4- 80.4	50.4	
Average of Peak Amounts =						0.1972			
RPD = 4.73									

Report Date: 15-Apr-2013 13:04:38

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000005.D

Injection Date: 15-Apr-2013 00:13:40

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP4

Lims Batch ID: 81761

Lims Sample ID: 5

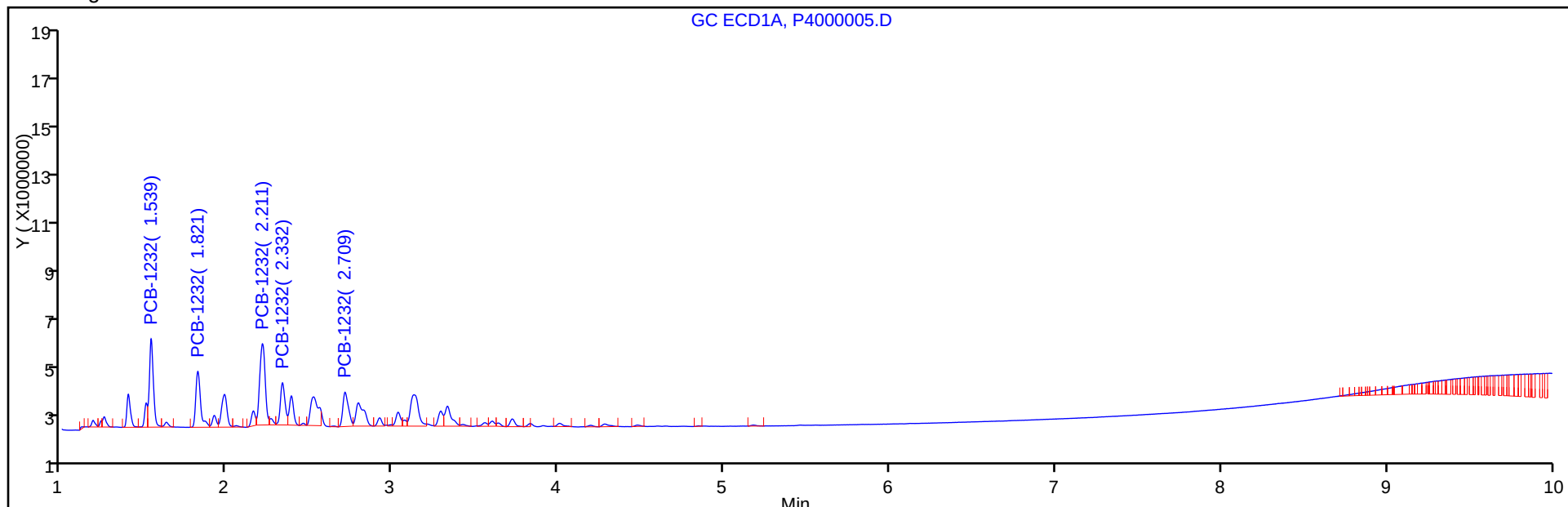
Operator ID:

Injection Vol: 1.0 ul

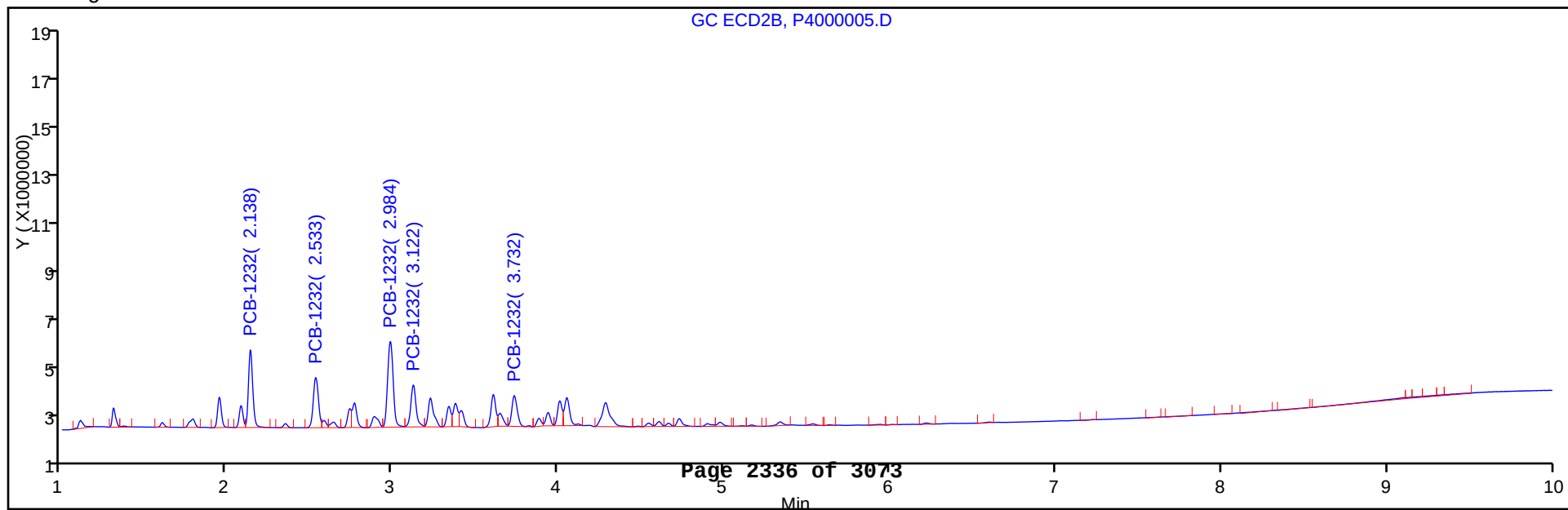
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000006.D
 Lims ID: STD05 1232 Client ID:
 Inject. Date: 15-Apr-2013 00:29:19 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 4
 Sample ID: 240-0018824-006
 Misc. Info.:
 Operator: Instrument ID: A2HP4
 Injection Vol: 1.0 ul ALS Bottle#: 6
 Lims Batch ID: 81761 Lims Sample ID: 6
 Sublist: chrom-PCB4*sub1
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\PCB4.m
 Last Update: 15-Apr-2013 13:04:38 Calib Date: 15-Apr-2013 10:24:45
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK026

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
4 PCB-1232									
1	100	1.539	1.538	0.001	14125994	0.4712		100.0	
1	2	1.821	1.820	0.001	9868532	0.4545	51.4- 101.4	69.9	
1	3	2.211	2.210	0.001	19549004	0.4842	101.9- 151.9	138.4	
1	4	2.332	2.330	0.002	8754740	0.5045	30.8- 80.8	62.0	
1	5	2.710	2.707	0.003	7853899	0.4847	29.6- 79.6	55.6	
Average of Peak Amounts =						0.4798			
2	6	2.139	2.136	0.003	13574790	0.4649		100.0	
2	7	2.534	2.531	0.003	11644076	0.4907	47.8- 107.8	85.8	
2	8	2.985	2.980	0.005	20093090	0.4722	111.9- 171.9	148.0	
2	9	3.123	3.120	0.003	8887201	0.4457	36.1- 96.1	65.5	
2	10	3.733	3.727	0.006	7197440	0.4622	20.4- 80.4	53.0	
Average of Peak Amounts =						0.4671			
RPD = 2.68									

Report Date: 15-Apr-2013 13:04:39

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000006.D

Injection Date: 15-Apr-2013 00:29:19

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP4

Lims Batch ID: 81761

Lims Sample ID: 6

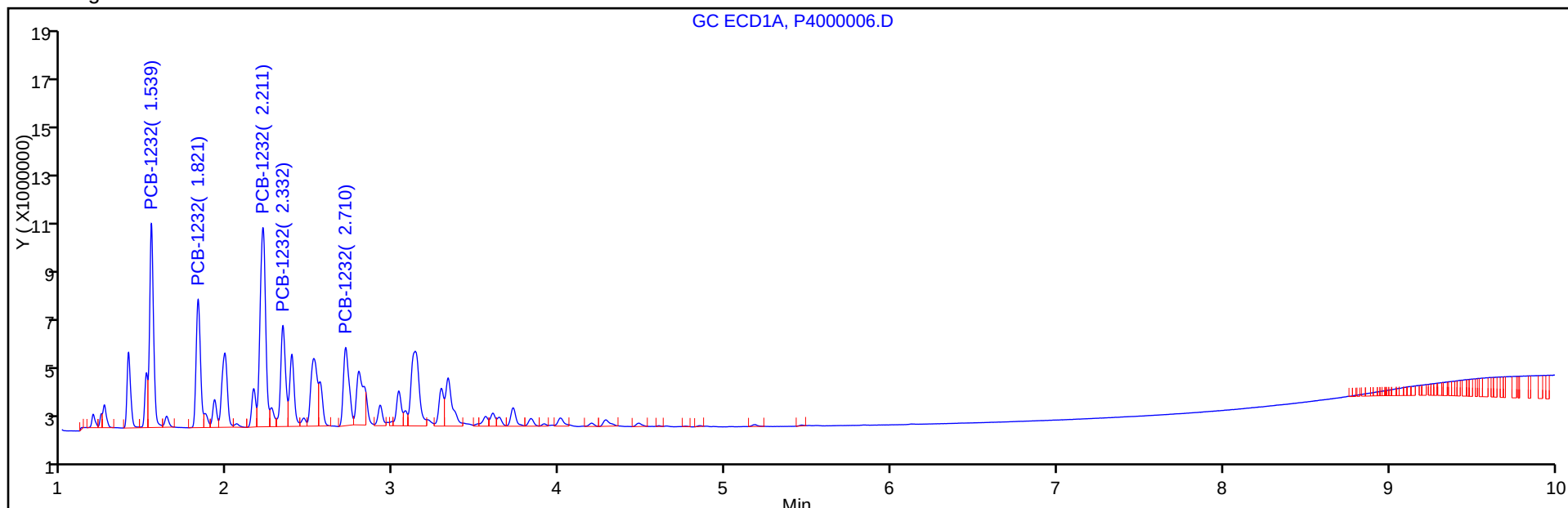
Operator ID:

Injection Vol: 1.0 ul

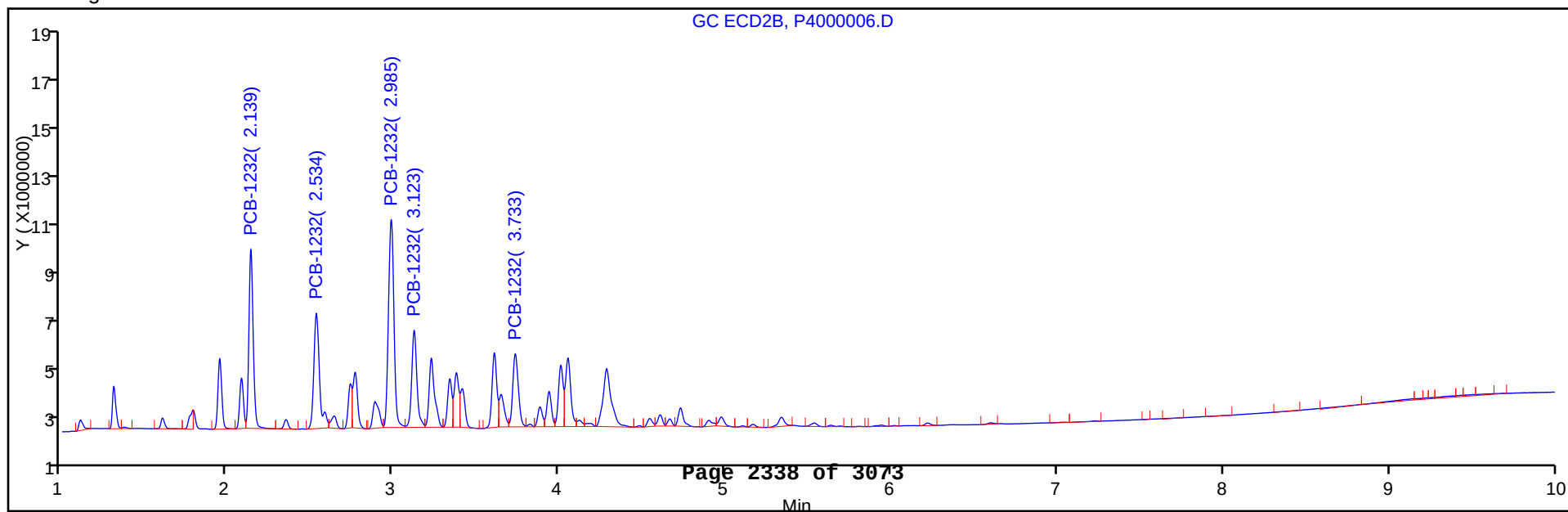
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000007.D
 Lims ID: STD1 1232 Client ID:
 Inject. Date: 15-Apr-2013 00:44:57 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 5
 Sample ID: 240-0018824-007
 Misc. Info.:
 Operator: Instrument ID: A2HP4
 Injection Vol: 1.0 ul ALS Bottle#: 7
 Lims Batch ID: 81761 Lims Sample ID: 7
 Sublist: chrom-PCB4*sub1
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\PCB4.m
 Last Update: 15-Apr-2013 13:04:40 Calib Date: 15-Apr-2013 10:24:45
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK026

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
4 PCB-1232									
1	100	1.539	1.538	0.001	27056868	0.9026		100.0	
1	2	1.821	1.820	0.001	18766909	0.8643	51.4- 101.4	69.4	
1	3	2.213	2.210	0.003	38931784	0.9643	101.9- 151.9	143.9	
1	4	2.332	2.330	0.002	17039321	0.9818	30.8- 80.8	63.0	
1	5	2.709	2.707	0.002	15263717	0.9420	29.6- 79.6	56.4	
Average of Peak Amounts =						0.9310			
2	6	2.138	2.136	0.002	26596872	0.9109		100.0	
2	7	2.533	2.531	0.002	20384639	0.8590	47.8- 107.8	76.6	
2	8	2.984	2.980	0.004	40746418	0.9576	111.9- 171.9	153.2	
2	9	3.123	3.120	0.003	17982813	0.9018	36.1- 96.1	67.6	
2	10	3.733	3.727	0.006	14725802	0.9456	20.4- 80.4	55.4	
Average of Peak Amounts =						0.9150			
RPD = 1.74									

Report Date: 15-Apr-2013 13:04:41

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000007.D

Injection Date: 15-Apr-2013 00:44:57

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP4

Lims Batch ID: 81761

Lims Sample ID: 7

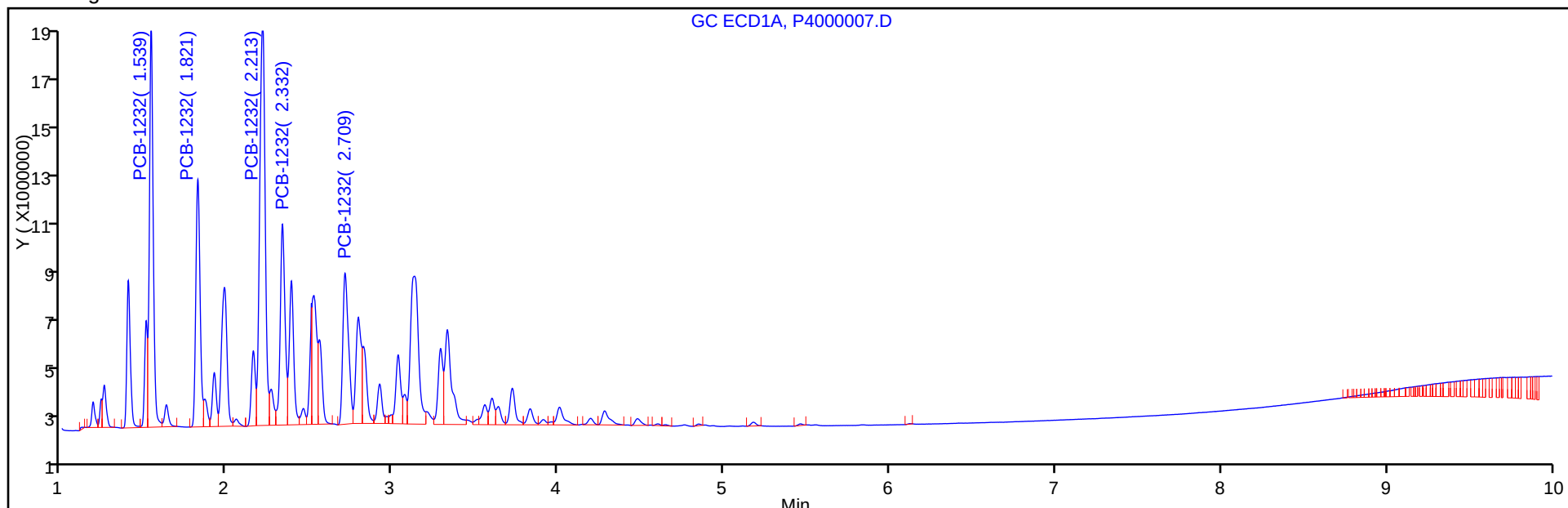
Operator ID:

Injection Vol: 1.0 ul

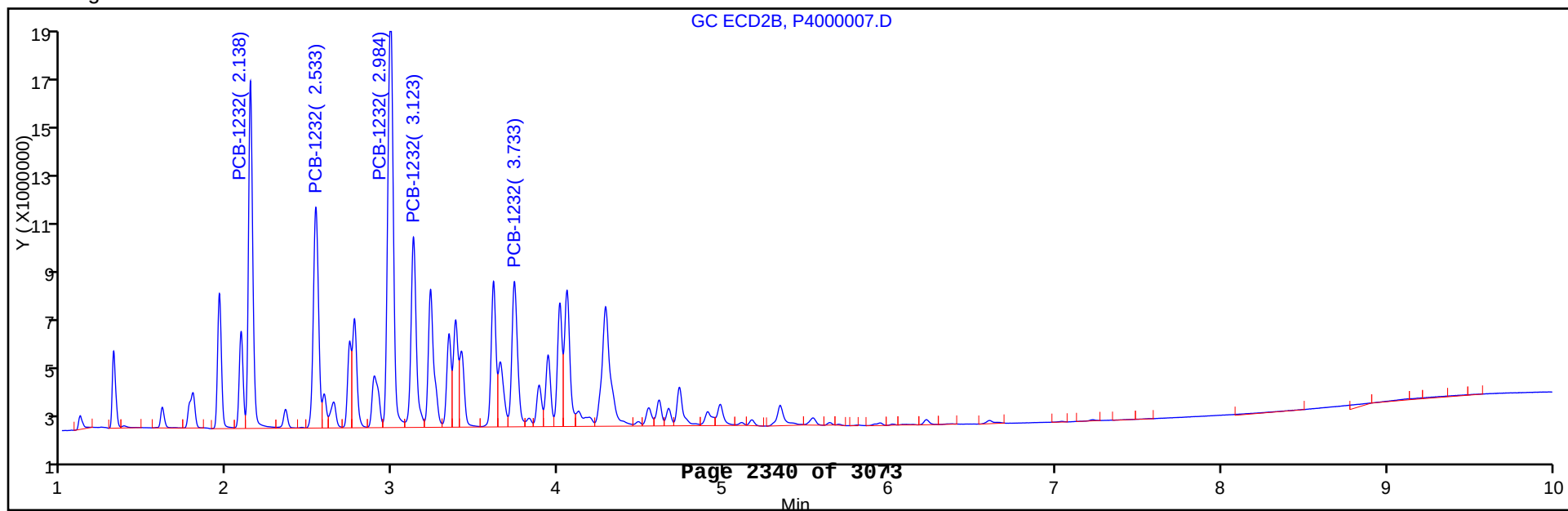
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000008.D
 Lims ID: STD2 1232 Client ID:
 Inject. Date: 15-Apr-2013 01:00:35 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 6
 Sample ID: 240-0018824-008
 Misc. Info.:
 Operator: Instrument ID: A2HP4
 Injection Vol: 1.0 ul ALS Bottle#: 8
 Lims Batch ID: 81761 Lims Sample ID: 8
 Sublist: chrom-PCB4*sub1
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\PCB4.m
 Last Update: 15-Apr-2013 13:04:41 Calib Date: 15-Apr-2013 10:24:45
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK026

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
4 PCB-1232									
1	100	1.538	1.538	0.000	51756980	1.73		100.0	
1	2	1.821	1.820	0.001	36272560	1.67	51.4- 101.4	70.1	
1	3	2.211	2.210	0.001	78906477	1.95	101.9- 151.9	152.5	
1	4	2.331	2.330	0.001	33938679	1.96	30.8- 80.8	65.6	
1	5	2.708	2.707	0.001	30007455	1.85	29.6- 79.6	58.0	
Average of Peak Amounts =						1.83			
2	6	2.138	2.136	0.002	51081361	1.75		100.0	
2	7	2.533	2.531	0.002	39302362	1.66	47.8- 107.8	76.9	
2	8	2.984	2.980	0.004	82540487	1.94	111.9- 171.9	161.6	
2	9	3.123	3.120	0.003	35771213	1.79	36.1- 96.1	70.0	
2	10	3.732	3.727	0.005	29503749	1.89	20.4- 80.4	57.8	
Average of Peak Amounts =						1.81			
						RPD = 1.38			

Report Date: 15-Apr-2013 13:04:42

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000008.D

Injection Date: 15-Apr-2013 01:00:35

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP4

Lims Batch ID: 81761

Lims Sample ID: 8

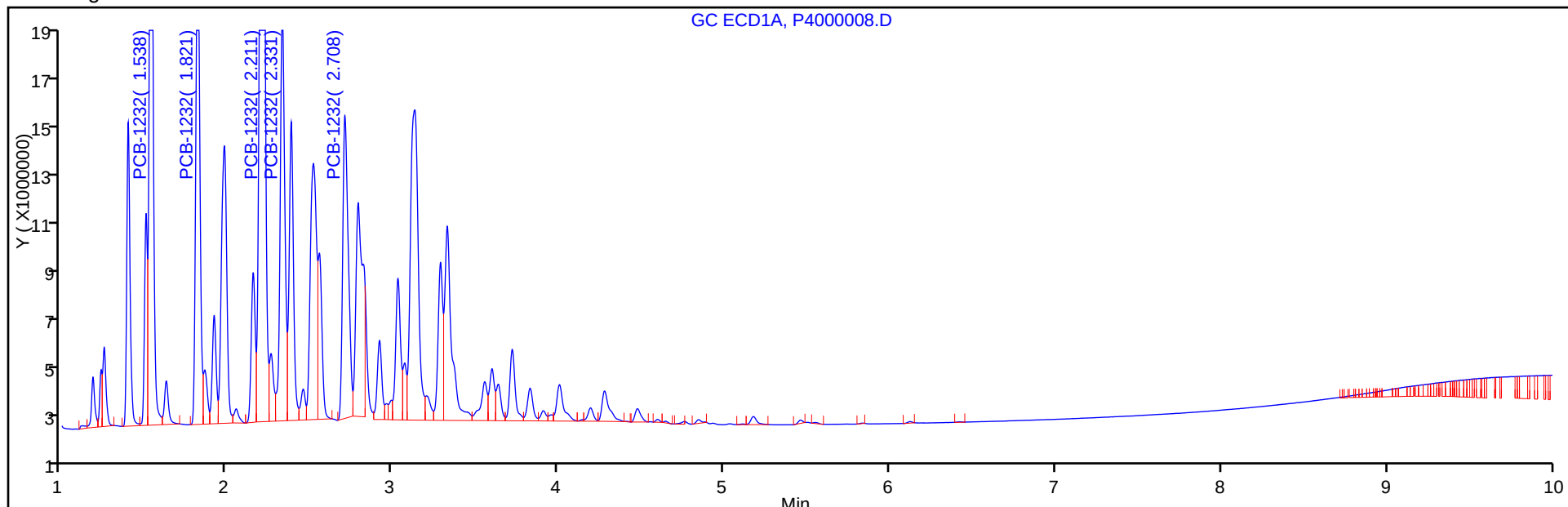
Operator ID:

Injection Vol: 1.0 ul

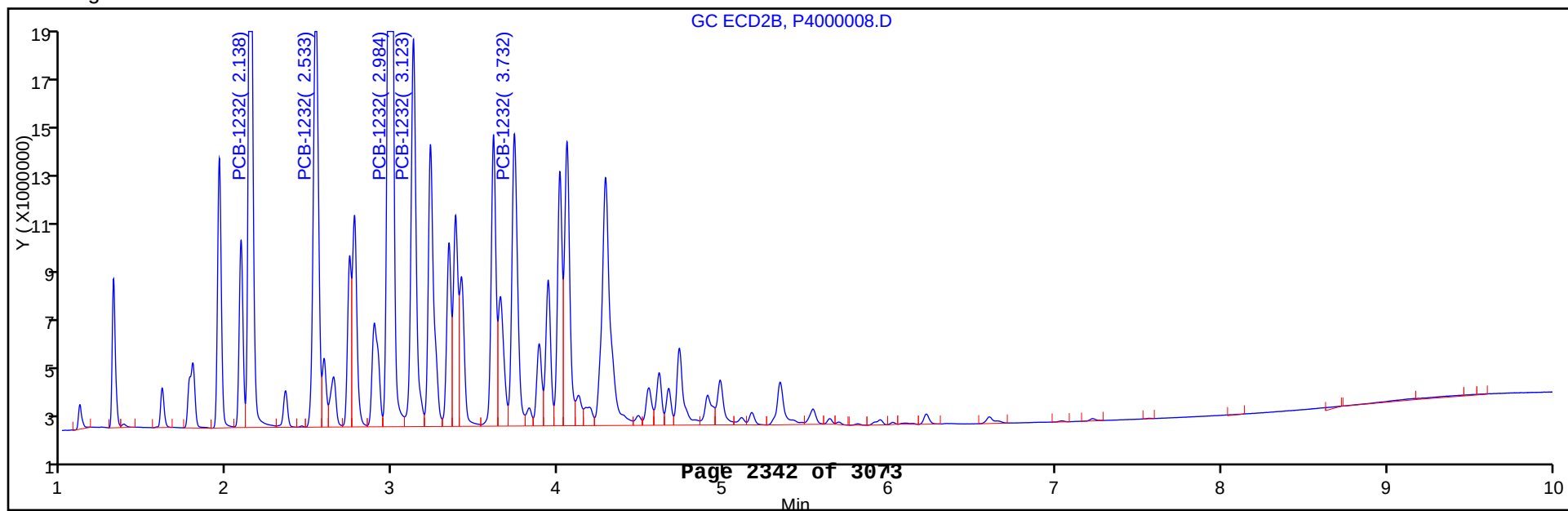
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22852-1 Analy Batch No.: 81761

SDG No.: _____

Instrument ID: A2HP4 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/15/2013 01:16 Calibration End Date: 04/15/2013 02:34 Calibration ID: 14515

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-81761/9	P4000009.D
Level 2	STD01 240-81761/10	P4000010.D
Level 3	STD02 240-81761/11	P4000011.D
Level 4	STD05 240-81761/12	P4000012.D
Level 5	STD1 240-81761/13	P4000013.D
Level 6	STD2 240-81761/14	P4000014.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
PCB-1242 Peak 1	1.540	1.536	1.540	1.541	1.540	1.540					1.440 - 1.640	1.540
PCB-1242 Peak 2	1.821	1.821	1.821	1.822	1.822	1.822					1.721 - 1.921	1.822
PCB-1242 Peak 3	2.213	2.213	2.212	2.213	2.213	2.213					2.113 - 2.313	2.213
PCB-1242 Peak 4	2.333	2.334	2.333	2.334	2.333	2.333					2.233 - 2.433	2.333
PCB-1242 Peak 5	2.711	2.711	2.711	2.712	2.711	2.710					2.611 - 2.811	2.711

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-22852-1 Analy Batch No.: 81761

SDG No.: _____

Instrument ID: A2HP4 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/15/2013 01:16 Calibration End Date: 04/15/2013 02:34 Calibration ID: 14515

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-81761/9	P4000009.D
Level 2	STD01 240-81761/10	P4000010.D
Level 3	STD02 240-81761/11	P4000011.D
Level 4	STD05 240-81761/12	P4000012.D
Level 5	STD1 240-81761/13	P4000013.D
Level 6	STD2 240-81761/14	P4000014.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								
PCB-1242 Peak 1	25213480 20136124	21482240 18252743	23357625	21013412	Ave		21575937.3				11.0		20.0			
PCB-1242 Peak 2	47308320 37109215	45275130 33501130	41691870	38177118	Ave		40510463.8				13.0		20.0			
PCB-1242 Peak 3	82336700 75642273	83759860 71963574	78707195	74425240	Ave		77805807.0				5.9		20.0			
PCB-1242 Peak 4	33622500 32957971	38347870 31391768	35585145	33222204	Ave		34187909.7				7.1		20.0			
PCB-1242 Peak 5	36830840 32115158	37888330 31488470	34865780	32803562	Ave		34332023.3				7.7		20.0			

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

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-22852-1 Analy Batch No.: 81761

SDG No.: _____

Instrument ID: A2HP4 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/15/2013 01:16 Calibration End Date: 04/15/2013 02:34 Calibration ID: 14515

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-81761/9	P4000009.D
Level 2	STD01 240-81761/10	P4000010.D
Level 3	STD02 240-81761/11	P4000011.D
Level 4	STD05 240-81761/12	P4000012.D
Level 5	STD1 240-81761/13	P4000013.D
Level 6	STD2 240-81761/14	P4000014.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1242 Peak 1	Ave	1260674 36505486	2148224	4671525	10506706	20136124	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1242 Peak 2	Ave	2365416 67002260	4527513	8338374	19088559	37109215	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1242 Peak 3	Ave	4116835 143927148	8375986	15741439	37212620	75642273	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1242 Peak 4	Ave	1681125 62783536	3834787	7117029	16611102	32957971	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1242 Peak 5	Ave	1841542 62976939	3788833	6973156	16401781	32115158	0.0500 2.00	0.100	0.200	0.500	1.00

Curve Type Legend:

Ave = Average

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000009.D
 Lims ID: STD005 1242 Client ID:
 Inject. Date: 15-Apr-2013 01:16:16 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 1
 Sample ID: 240-0018824-009
 Misc. Info.:
 Operator: Instrument ID: A2HP4
 Injection Vol: 1.0 ul ALS Bottle#: 9
 Lims Batch ID: 81761 Lims Sample ID: 9
 Sublist: chrom-PCB4*sub2
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\PCB4.m
 Last Update: 15-Apr-2013 13:04:42 Calib Date: 15-Apr-2013 10:24:45
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK026

First Level Reviewer: hassl

Date: 15-Apr-2013 07:52:23

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

5 PCB-1242

1	100	1.540	1.540	0.000	1260674	0.0584		100.0	
1	2	1.821	1.821	0.000	2365416	0.0584	153.5- 203.5	187.6	
1	3	2.213	2.213	0.000	4116835	0.0529	312.0- 362.0	326.6	
1	4	2.333	2.333	0.000	1681125	0.0492	127.3- 177.3	133.4	
1	5	2.711	2.711	0.000	1841542	0.0536	124.3- 174.3	146.1	

Average of Peak Amounts = 0.0545

2	6	2.140	2.140	0.000	1226997	0.0569		100.0	
2	7	2.535	2.535	0.000	2379583	0.0570	163.2- 223.2	193.9	
2	8	2.986	2.986	0.000	4248838	0.0527	335.3- 395.3	346.3	
2	9	3.123	3.123	0.000	1930091	0.0540	133.4- 193.4	157.3	
2	10	3.733	3.733	0.000	1836399	0.0544	119.1- 179.1	149.7	

Average of Peak Amounts = 0.0550

RPD = 0.90

Report Date: 15-Apr-2013 13:04:43

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000009.D

Injection Date: 15-Apr-2013 01:16:16

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP4

Lims Batch ID: 81761

Lims Sample ID: 9

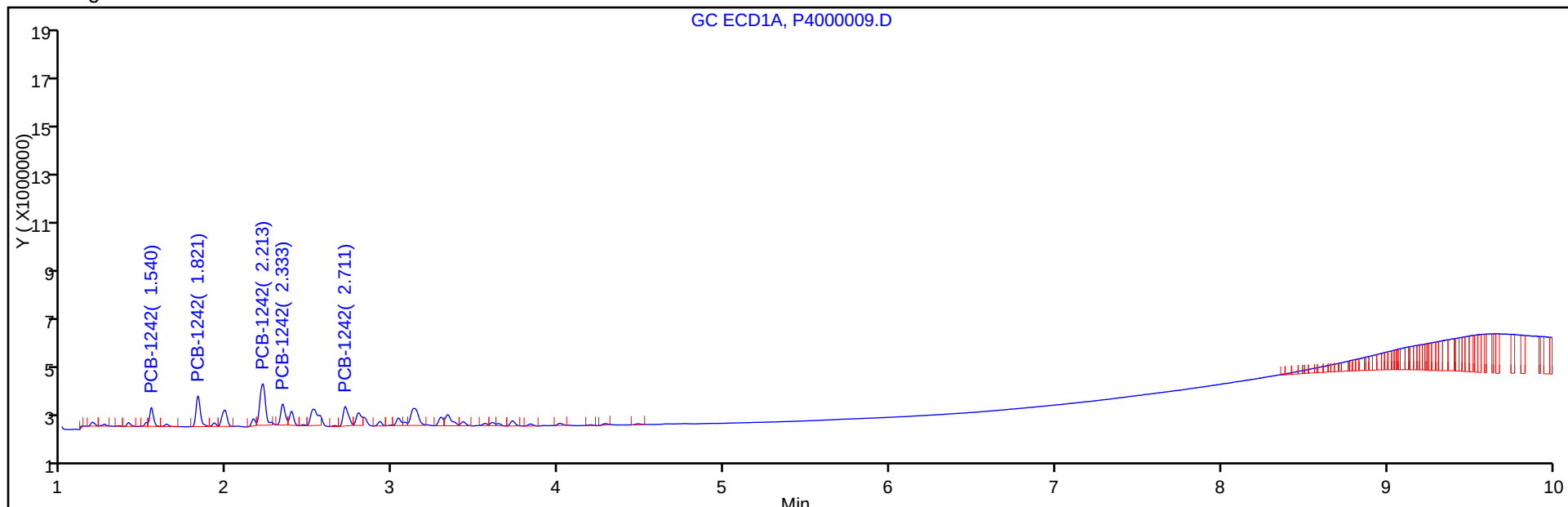
Operator ID:

Injection Vol: 1.0 ul

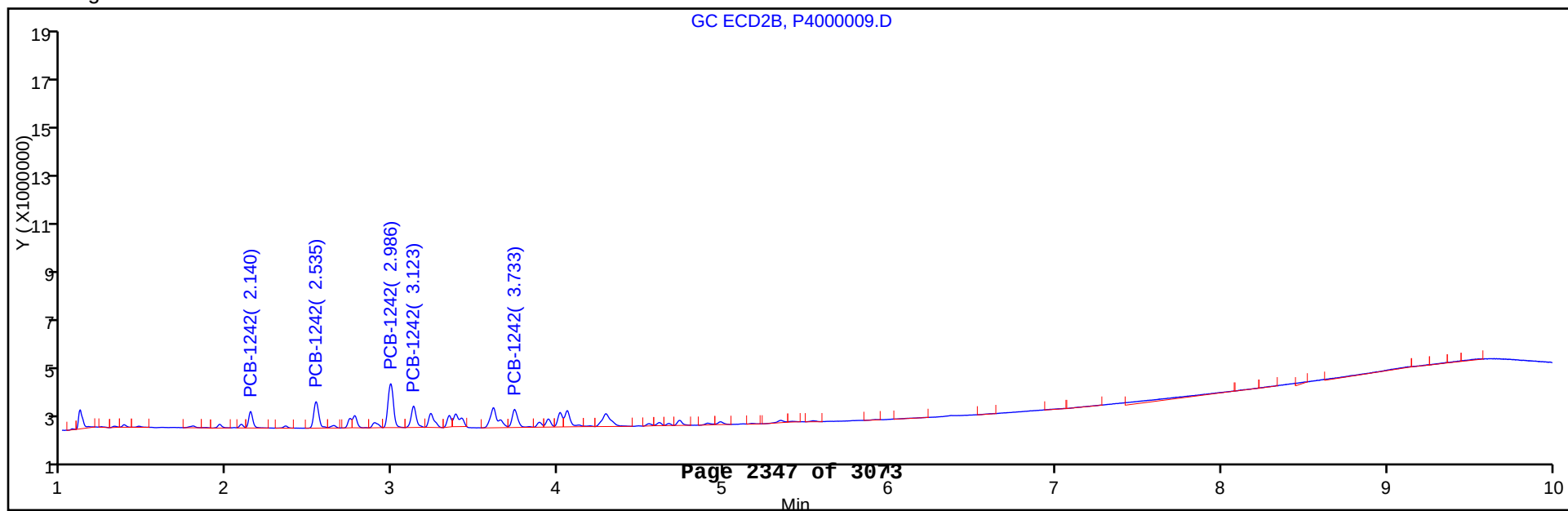
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000010.D
 Lims ID: STD01 1242 Client ID:
 Inject. Date: 15-Apr-2013 01:31:55 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 2
 Sample ID: 240-0018824-010
 Misc. Info.:
 Operator: Instrument ID: A2HP4
 Injection Vol: 1.0 ul ALS Bottle#: 10
 Lims Batch ID: 81761 Lims Sample ID: 10
 Sublist: chrom-PCB4*sub2
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\PCB4.m
 Last Update: 15-Apr-2013 13:04:44 Calib Date: 15-Apr-2013 10:24:45
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK026

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									
1	100	1.536	1.540	-0.004	2148224	0.0996		100.0	
1	2	1.821	1.821	0.000	4527513	0.1118	153.5- 203.5	210.8	
1	3	2.213	2.213	0.000	8375986	0.1077	312.0- 362.0	389.9	
1	4	2.334	2.333	0.001	3834787	0.1122	127.3- 177.3	178.5	
1	5	2.711	2.711	0.000	3788833	0.1104	124.3- 174.3	176.4	
Average of Peak Amounts =						0.1083			
2	6	2.140	2.140	0.000	2381598	0.1104		100.0	
2	7	2.535	2.535	0.000	4671714	0.1119	163.2- 223.2	196.2	
2	8	2.985	2.986	-0.001	8664077	0.1075	335.3- 395.3	363.8	
2	9	3.124	3.123	0.001	4080744	0.1143	133.4- 193.4	171.3	
2	10	3.734	3.733	0.001	3778301	0.1119	119.1- 179.1	158.6	
Average of Peak Amounts =						0.1112			
RPD = 2.62									

Report Date: 15-Apr-2013 13:04:45

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000010.D

Injection Date: 15-Apr-2013 01:31:55

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP4

Lims Batch ID: 81761

Lims Sample ID: 10

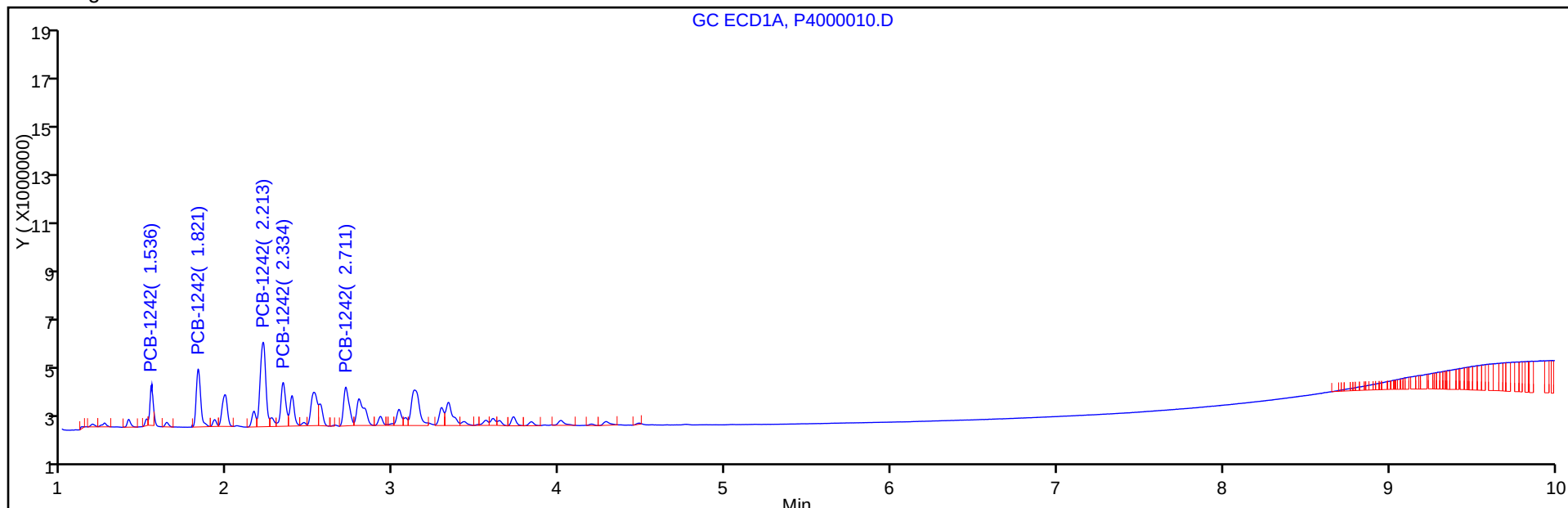
Operator ID:

Injection Vol: 1.0 ul

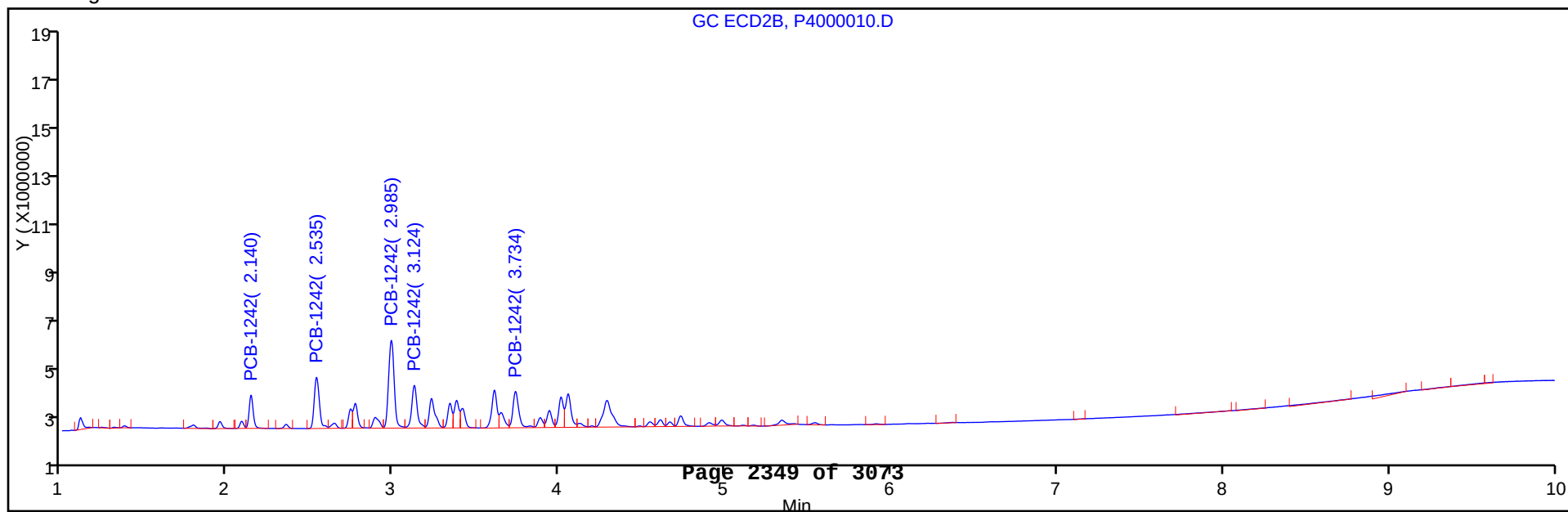
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000011.D
 Lims ID: STD02 1242 Client ID:
 Inject. Date: 15-Apr-2013 01:47:35 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 3
 Sample ID: 240-0018824-011
 Misc. Info.:
 Operator: Instrument ID: A2HP4
 Injection Vol: 1.0 ul ALS Bottle#: 11
 Lims Batch ID: 81761 Lims Sample ID: 11
 Sublist: chrom-PCB4*sub2
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\PCB4.m
 Last Update: 15-Apr-2013 13:04:45 Calib Date: 15-Apr-2013 10:24:45
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK026

First Level Reviewer: hassl

Date: 15-Apr-2013 07:53:05

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									M
1	100	1.540	1.540	0.000	4671525	0.2165		100.0	
1	2	1.821	1.821	0.000	8338374	0.2058	153.5- 203.5	178.5	
1	3	2.212	2.213	-0.001	15741439	0.2023	312.0- 362.0	337.0	M
1	4	2.333	2.333	0.000	7117029	0.2082	127.3- 177.3	152.3	M
1	5	2.711	2.711	0.000	6973156	0.2031	124.3- 174.3	149.3	M
Average of Peak Amounts =						0.2072			
2	6	2.139	2.140	-0.001	4505873	0.2089		100.0	
2	7	2.534	2.535	-0.001	8706735	0.2085	163.2- 223.2	193.2	
2	8	2.986	2.986	0.000	16458445	0.2043	335.3- 395.3	365.3	
2	9	3.124	3.123	0.001	7362816	0.2061	133.4- 193.4	163.4	
2	10	3.734	3.733	0.001	6719791	0.1989	119.1- 179.1	149.1	
Average of Peak Amounts =						0.2053			
						RPD = 0.90			

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 15-Apr-2013 13:04:46

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000011.D

Injection Date: 15-Apr-2013 01:47:35

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP4

Lims Batch ID: 81761

Lims Sample ID: 11

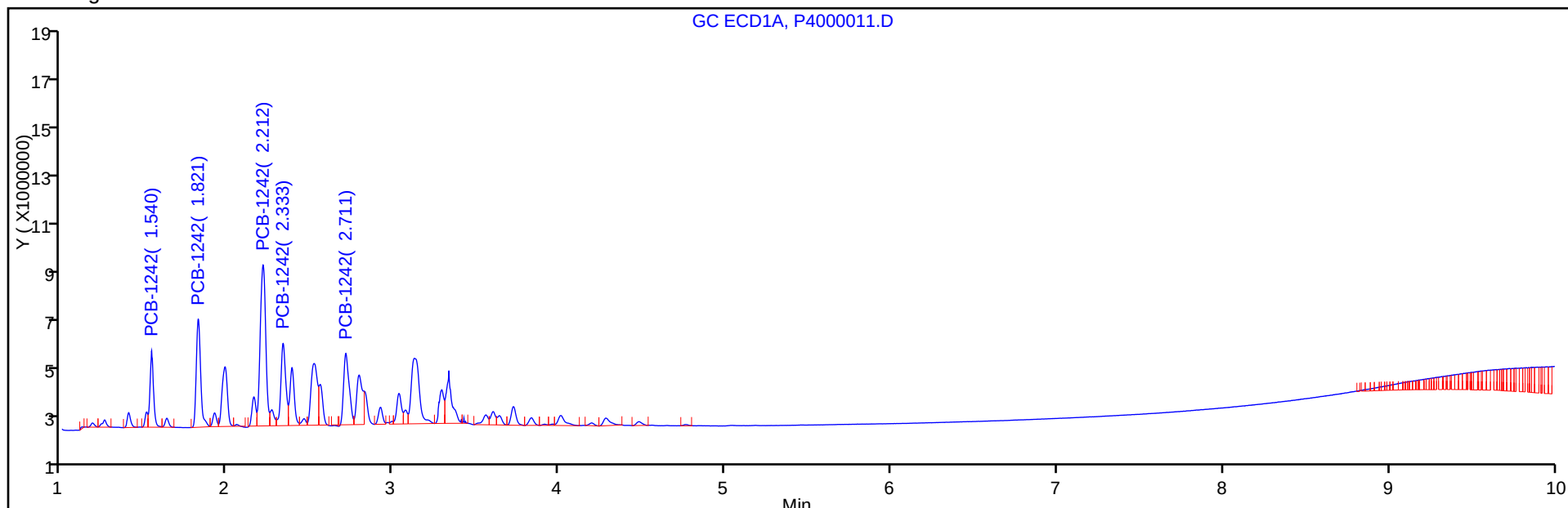
Operator ID:

Injection Vol: 1.0 ul

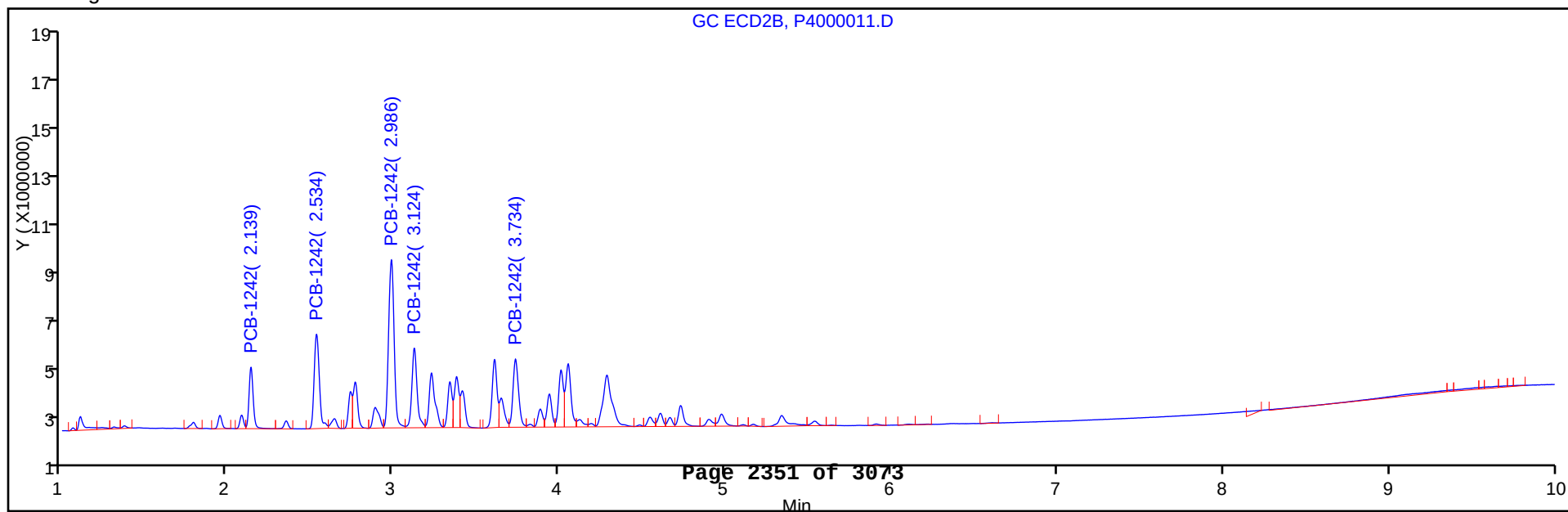
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000011.D

Injection Date: 15-Apr-2013 01:47:35

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP4

Lims Batch ID: 81761

Lims Sample ID: 11

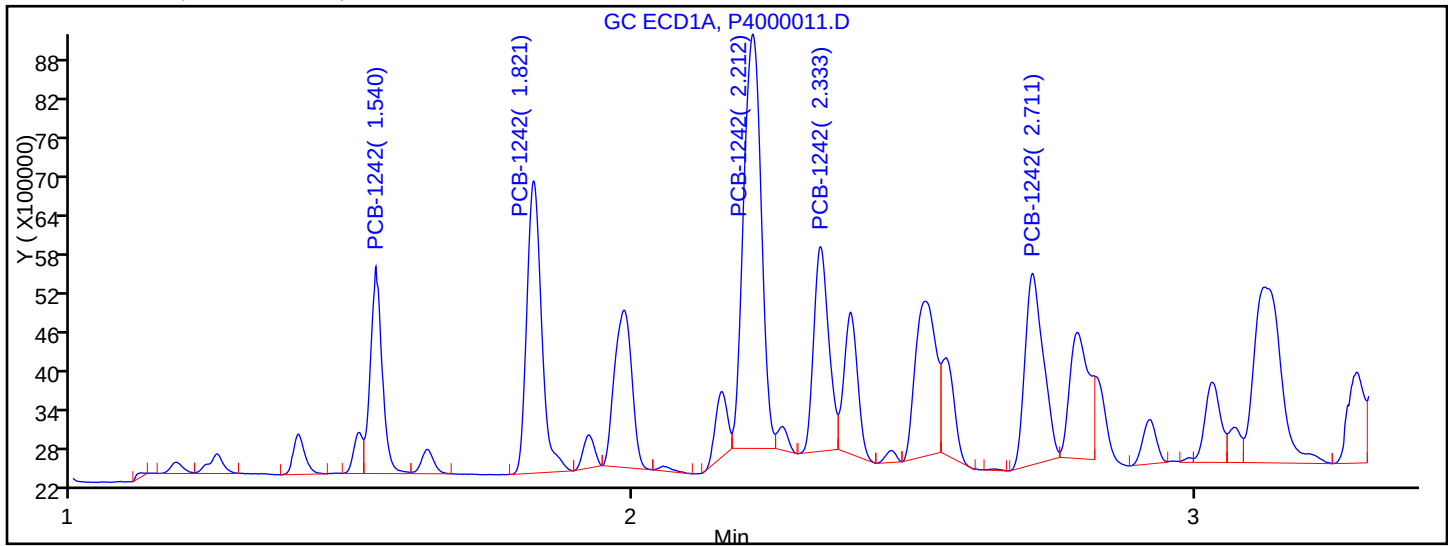
Operator ID:

Injection Vol: 1.0 ul

Column Type:

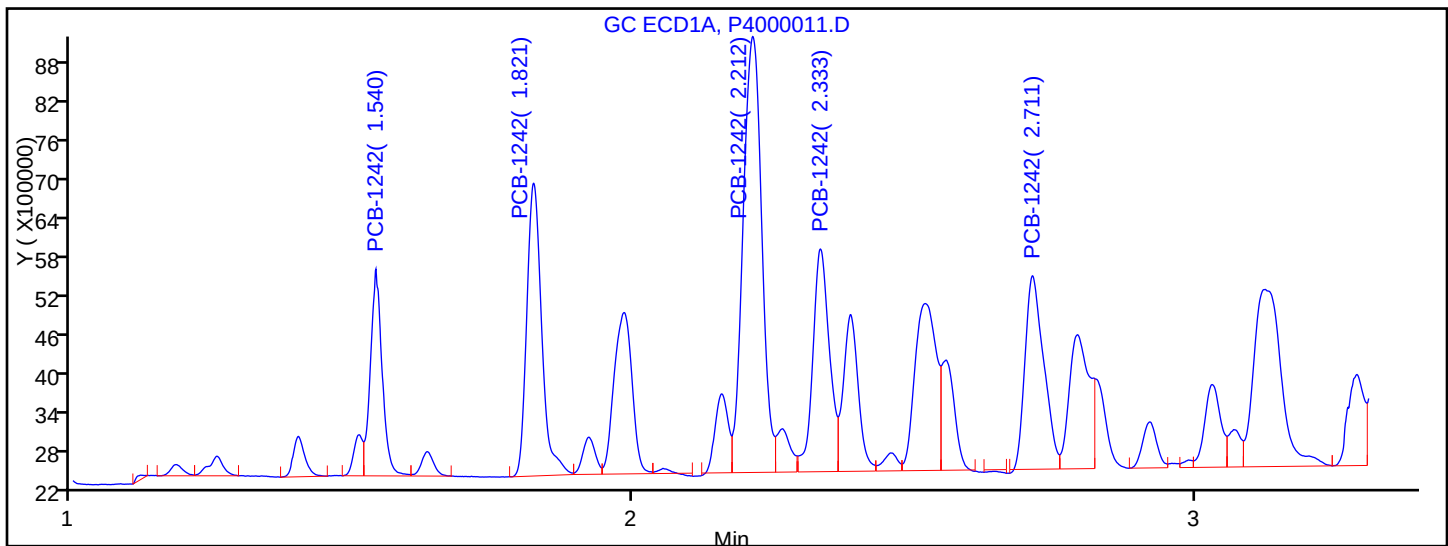
Column Dia:

5 PCB-1242, Detector: 1, GC ECD1A



Processing Integration Results

RT = 1.540	Response = 4671525	
RT = 1.821	Response = 8338374	
RT = 2.212	Response = 14175851	M
RT = 2.333	Response = 5927442	M
RT = 2.711	Response = 6743240	M



Manual Integration Results

RT = 1.540	Response = 4671525	
RT = 1.821	Response = 8338374	
RT = 2.212	Response = 15741439	M
RT = 2.333	Response = 7117029	M
RT = 2.711	Response = 6973156	M

Reviewer: hassl, 15-Apr-2013 07:53:05

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000012.D
 Lims ID: STD05 1242 Client ID:
 Inject. Date: 15-Apr-2013 02:03:15 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 4
 Sample ID: 240-0018824-012
 Misc. Info.:
 Operator: Instrument ID: A2HP4
 Injection Vol: 1.0 ul ALS Bottle#: 12
 Lims Batch ID: 81761 Lims Sample ID: 12
 Sublist: chrom-PCB4*sub2
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\PCB4.m
 Last Update: 15-Apr-2013 13:04:47 Calib Date: 15-Apr-2013 10:24:45
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK026

First Level Reviewer: hassl

Date: 15-Apr-2013 05:51:54

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

5 PCB-1242

1	100	1.541	1.540	0.001	10506706	0.4870		100.0	
1	2	1.822	1.821	0.001	19088559	0.4712	153.5- 203.5	181.7	
1	3	2.213	2.213	0.000	37212620	0.4783	312.0- 362.0	354.2	
1	4	2.334	2.333	0.001	16611102	0.4859	127.3- 177.3	158.1	
1	5	2.712	2.711	0.001	16401781	0.4777	124.3- 174.3	156.1	

Average of Peak Amounts = 0.4800

2	6	2.140	2.140	0.000	10298784	0.4774		100.0	
2	7	2.535	2.535	0.000	19564185	0.4685	163.2- 223.2	190.0	
2	8	2.986	2.986	0.000	37434532	0.4646	335.3- 395.3	363.5	
2	9	3.124	3.123	0.001	15589363	0.4365	133.4- 193.4	151.4	
2	10	3.734	3.733	0.001	15930304	0.4716	119.1- 179.1	154.7	

Average of Peak Amounts = 0.4637

RPD = 3.45

Report Date: 15-Apr-2013 13:04:48

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000012.D

Injection Date: 15-Apr-2013 02:03:15

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP4

Lims Batch ID: 81761

Lims Sample ID: 12

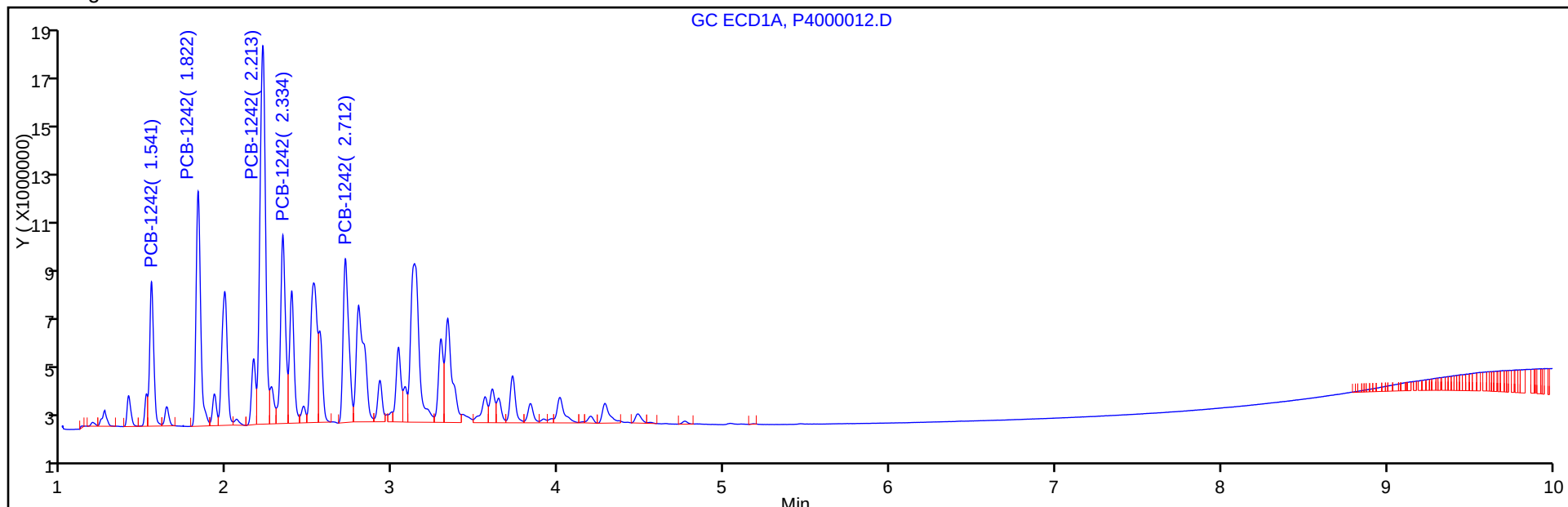
Operator ID:

Injection Vol: 1.0 ul

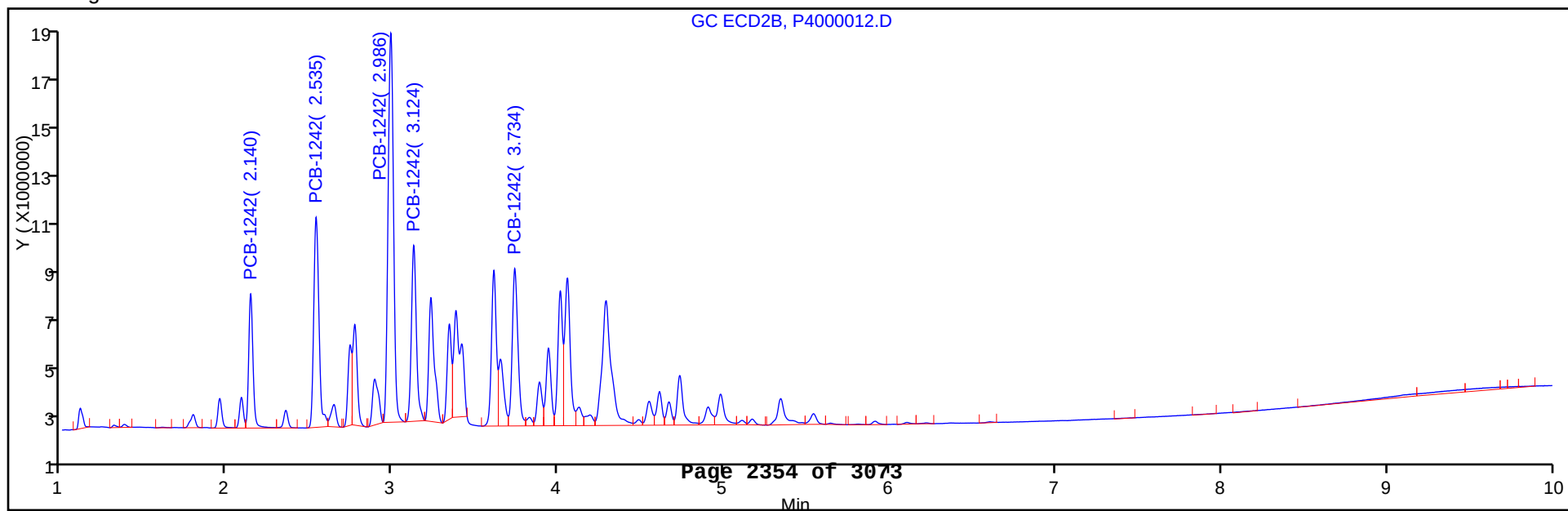
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000013.D
 Lims ID: STD1 1242 Client ID:
 Inject. Date: 15-Apr-2013 02:19:01 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 5
 Sample ID: 240-0018824-013
 Misc. Info.:
 Operator: Instrument ID: A2HP4
 Injection Vol: 1.0 ul ALS Bottle#: 13
 Lims Batch ID: 81761 Lims Sample ID: 13
 Sublist: chrom-PCB4*sub2
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\PCB4.m
 Last Update: 15-Apr-2013 13:04:48 Calib Date: 15-Apr-2013 10:24:45
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK026

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									
1	100	1.540	1.540	0.000	20136124	0.9333		100.0	
1	2	1.822	1.821	0.001	37109215	0.9160	153.5- 203.5	184.3	
1	3	2.213	2.213	0.000	75642273	0.9722	312.0- 362.0	375.7	
1	4	2.333	2.333	0.000	32957971	0.9640	127.3- 177.3	163.7	
1	5	2.711	2.711	0.000	32115158	0.9354	124.3- 174.3	159.5	
Average of Peak Amounts =						0.9442			
2	6	2.139	2.140	-0.001	19903453	0.9227		100.0	
2	7	2.534	2.535	-0.001	38623247	0.9248	163.2- 223.2	194.1	
2	8	2.986	2.986	0.000	79681280	0.9889	335.3- 395.3	400.3	
2	9	3.124	3.123	0.001	34688353	0.9712	133.4- 193.4	174.3	
2	10	3.735	3.733	0.002	32371258	0.9584	119.1- 179.1	162.6	
Average of Peak Amounts =						0.9532			
						RPD = 0.95			

Report Date: 15-Apr-2013 13:04:49

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000013.D

Injection Date: 15-Apr-2013 02:19:01

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP4

Lims Batch ID: 81761

Lims Sample ID: 13

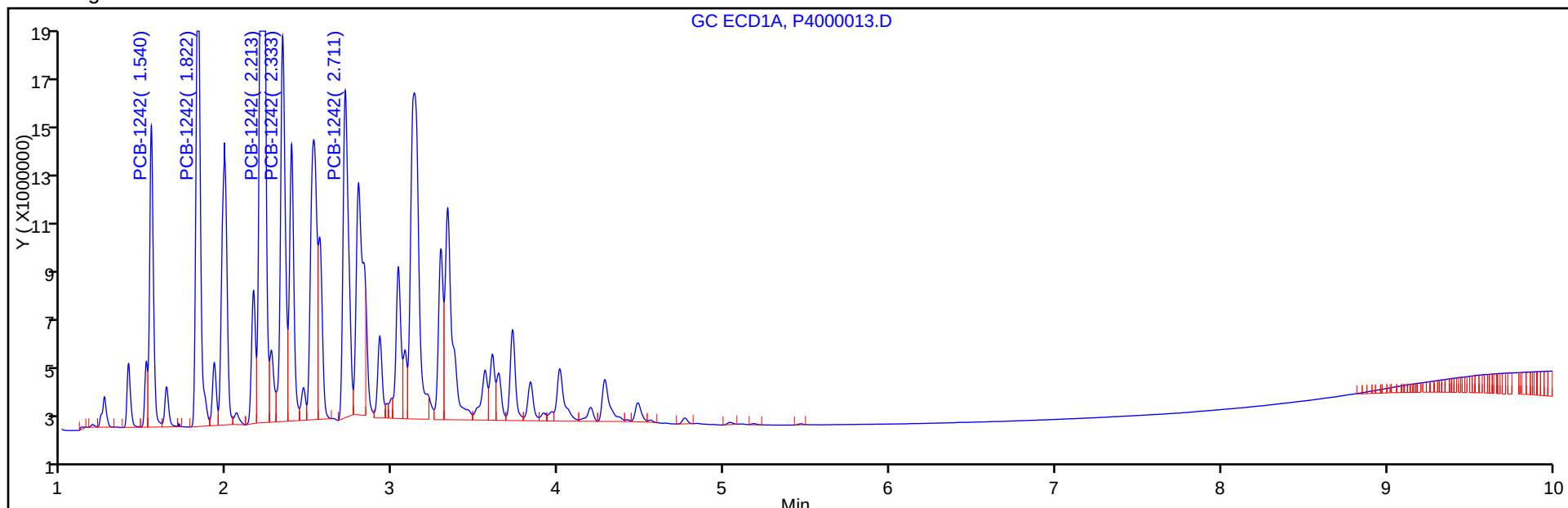
Operator ID:

Injection Vol: 1.0 ul

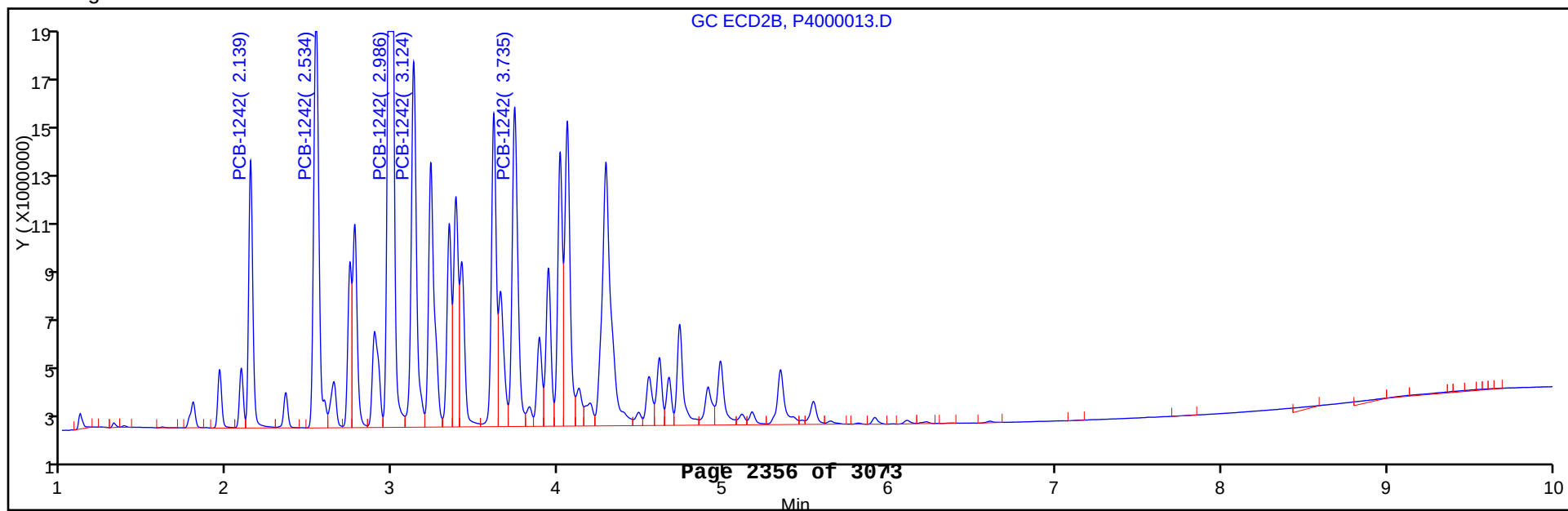
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000014.D
 Lims ID: STD2 1242 Client ID:
 Inject. Date: 15-Apr-2013 02:34:41 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 6
 Sample ID: 240-0018824-014
 Misc. Info.:
 Operator: Instrument ID: A2HP4
 Injection Vol: 1.0 ul ALS Bottle#: 14
 Lims Batch ID: 81761 Lims Sample ID: 14
 Sublist: chrom-PCB4*sub2
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\PCB4.m
 Last Update: 15-Apr-2013 13:04:50 Calib Date: 15-Apr-2013 10:24:45
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK026

First Level Reviewer: hassl

Date: 15-Apr-2013 07:53:23

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									M
1	100	1.540	1.540	0.000	36505486	1.69		100.0	
1	2	1.822	1.821	0.001	67002260	1.65	153.5- 203.5	183.5	M
1	3	2.213	2.213	0.000	143927148	1.85	312.0- 362.0	394.3	M
1	4	2.333	2.333	0.000	62783536	1.84	127.3- 177.3	172.0	M
1	5	2.710	2.711	-0.001	62976939	1.83	124.3- 174.3	172.5	M
Average of Peak Amounts =						1.77			
2	6	2.139	2.140	-0.001	36078109	1.67		100.0	
2	7	2.535	2.535	0.000	69968164	1.68	163.2- 223.2	193.9	
2	8	2.986	2.986	0.000	150021790	1.86	335.3- 395.3	415.8	
2	9	3.124	3.123	0.001	64419209	1.80	133.4- 193.4	178.6	
2	10	3.733	3.733	0.000	60641277	1.80	119.1- 179.1	168.1	
Average of Peak Amounts =						1.76			
						RPD = 0.65			

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 15-Apr-2013 13:04:50

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000014.D

Injection Date: 15-Apr-2013 02:34:41

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP4

Lims Batch ID: 81761

Lims Sample ID: 14

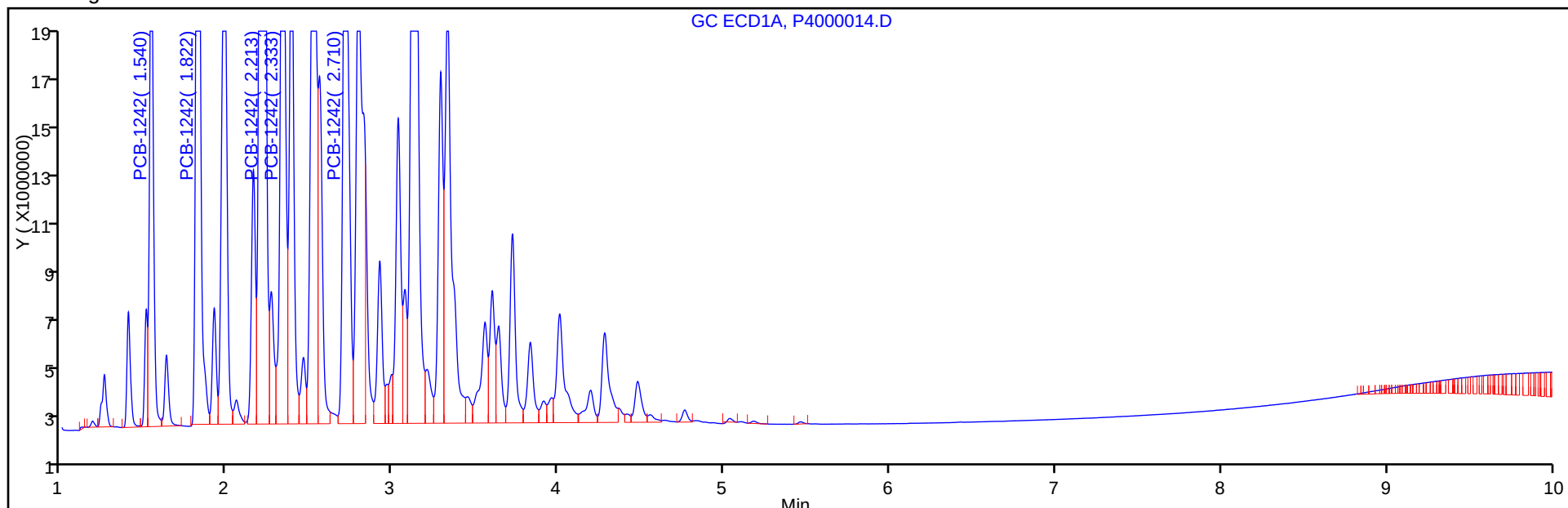
Operator ID:

Injection Vol: 1.0 ul

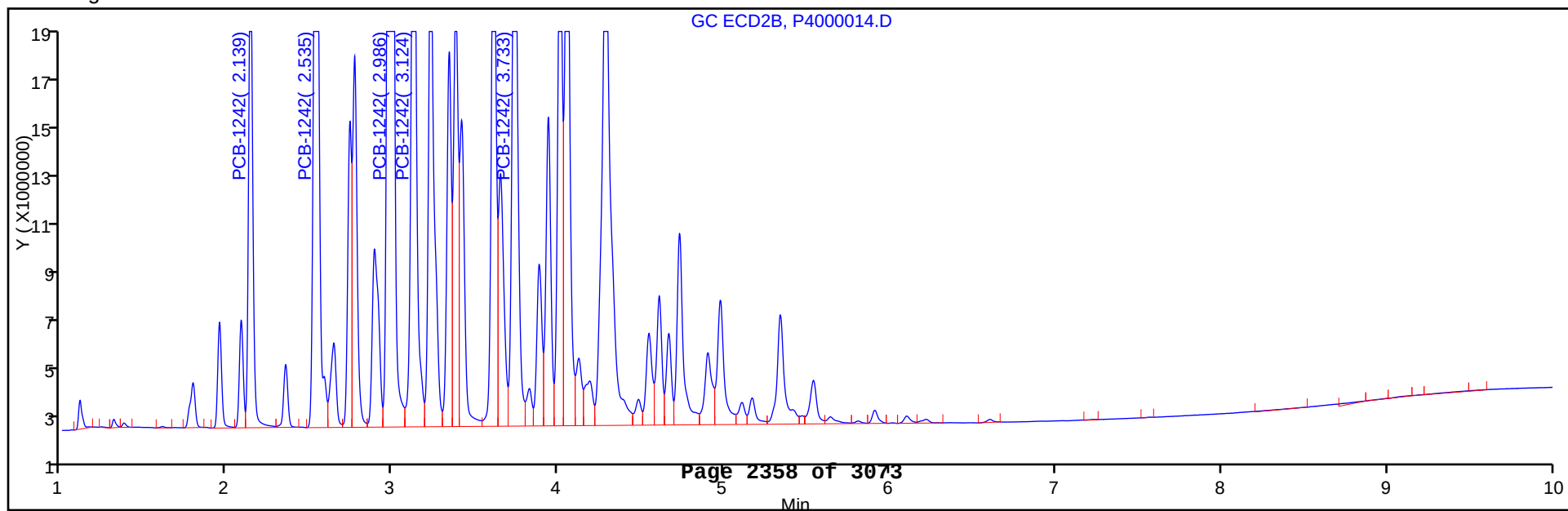
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000014.D

Injection Date: 15-Apr-2013 02:34:41

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP4

Lims Batch ID: 81761

Lims Sample ID: 14

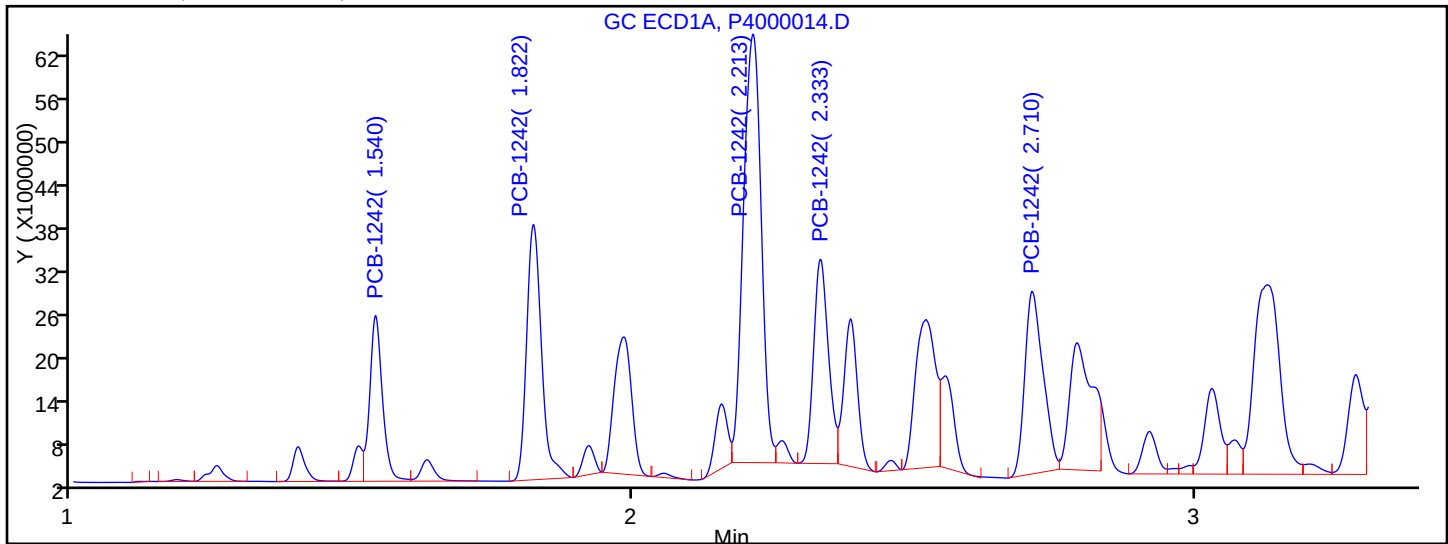
Operator ID:

Injection Vol: 1.0 ul

Column Type:

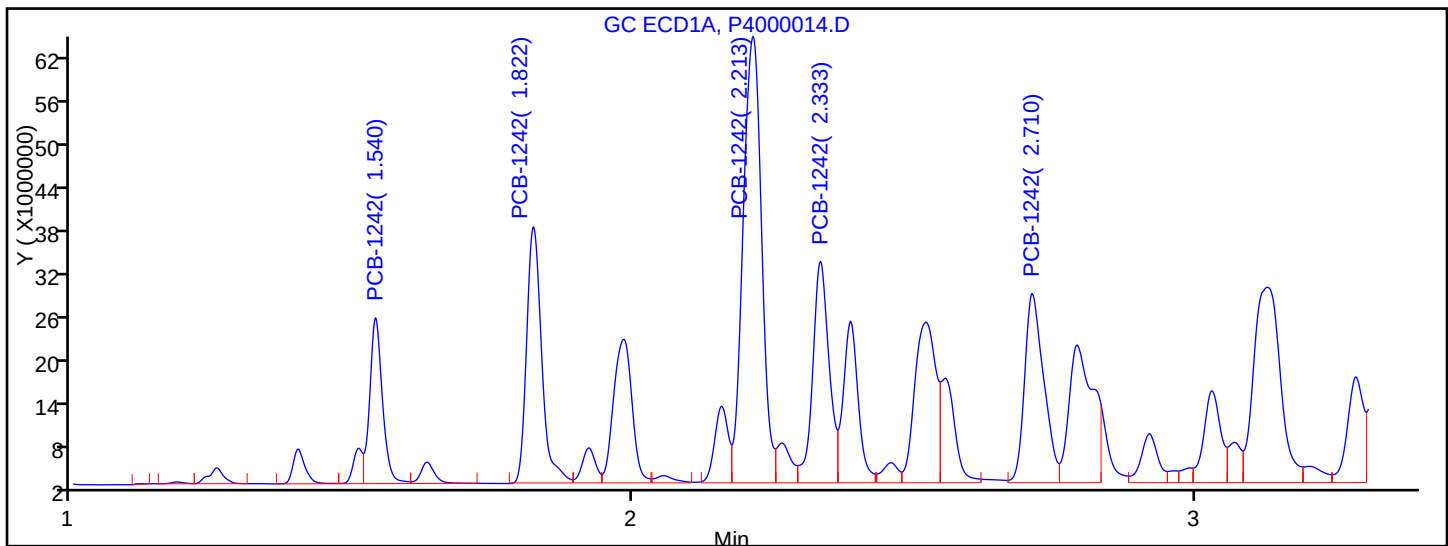
Column Dia:

5 PCB-1242, Detector: 1, GC ECD1A



Processing Integration Results

RT = 1.540	Response = 36505486	
RT = 1.822	Response = 65822463	M
RT = 2.213	Response = 132192423	M
RT = 2.333	Response = 52602075	M
RT = 2.710	Response = 57788693	M



Manual Integration Results

RT = 1.540	Response = 36505486	
RT = 1.822	Response = 67002260	M
RT = 2.213	Response = 143927148	M
RT = 2.333	Response = 62783536	M
RT = 2.710	Response = 62976939	M

Reviewer: hassl, 15-Apr-2013 07:53:23

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22852-1 Analy Batch No.: 81761

SDG No.: _____

Instrument ID: A2HP4 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/15/2013 01:16 Calibration End Date: 04/15/2013 02:34 Calibration ID: 14516

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-81761/9	P4000009.D
Level 2	STD01 240-81761/10	P4000010.D
Level 3	STD02 240-81761/11	P4000011.D
Level 4	STD05 240-81761/12	P4000012.D
Level 5	STD1 240-81761/13	P4000013.D
Level 6	STD2 240-81761/14	P4000014.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
PCB-1242 Peak 1	2.140	2.140	2.139	2.140	2.139	2.139					2.040 - 2.240	2.140
PCB-1242 Peak 2	2.535	2.535	2.534	2.535	2.534	2.535					2.435 - 2.635	2.535
PCB-1242 Peak 3	2.986	2.985	2.986	2.986	2.986	2.986					2.886 - 3.086	2.986
PCB-1242 Peak 4	3.123	3.124	3.124	3.124	3.124	3.124					3.023 - 3.223	3.124
PCB-1242 Peak 5	3.733	3.734	3.734	3.734	3.735	3.733					3.633 - 3.833	3.734

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-22852-1 Analy Batch No.: 81761

SDG No.: _____

Instrument ID: A2HP4 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/15/2013 01:16 Calibration End Date: 04/15/2013 02:34 Calibration ID: 14516

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-81761/9	P4000009.D
Level 2	STD01 240-81761/10	P4000010.D
Level 3	STD02 240-81761/11	P4000011.D
Level 4	STD05 240-81761/12	P4000012.D
Level 5	STD1 240-81761/13	P4000013.D
Level 6	STD2 240-81761/14	P4000014.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								
PCB-1242 Peak 1	24539940 19903453	23815980 18039055	22529365	20597568	Ave		21570893.4				12.0		20.0			
PCB-1242 Peak 2	47591660 38623247	46717140 34984082	43533675	39128370	Ave		41763029.0				12.0		20.0			
PCB-1242 Peak 3	84976760 79681280	86640770 75010895	82292225	74869064	Ave		80578499.0				6.2		20.0			
PCB-1242 Peak 4	38601820 34688353	40807440 32209605	36814080	31178726	Ave		35716670.6				10.0		20.0			
PCB-1242 Peak 5	36727980 32371258	37783010 30320639	33598955	31860608	Ave		33777074.9				8.6		20.0			

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

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-22852-1 Analy Batch No.: 81761

SDG No.: _____

Instrument ID: A2HP4 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/15/2013 01:16 Calibration End Date: 04/15/2013 02:34 Calibration ID: 14516

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-81761/9	P4000009.D
Level 2	STD01 240-81761/10	P4000010.D
Level 3	STD02 240-81761/11	P4000011.D
Level 4	STD05 240-81761/12	P4000012.D
Level 5	STD1 240-81761/13	P4000013.D
Level 6	STD2 240-81761/14	P4000014.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1242 Peak 1	Ave	1226997 36078109	2381598	4505873	10298784	19903453	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1242 Peak 2	Ave	2379583 69968164	4671714	8706735	19564185	38623247	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1242 Peak 3	Ave	4248838 150021790	8664077	16458445	37434532	79681280	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1242 Peak 4	Ave	1930091 64419209	4080744	7362816	15589363	34688353	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1242 Peak 5	Ave	1836399 60641277	3778301	6719791	15930304	32371258	0.0500 2.00	0.100	0.200	0.500	1.00

Curve Type Legend:

Ave = Average

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000009.D
 Lims ID: STD005 1242 Client ID:
 Inject. Date: 15-Apr-2013 01:16:16 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 1
 Sample ID: 240-0018824-009
 Misc. Info.:
 Operator: Instrument ID: A2HP4
 Injection Vol: 1.0 ul ALS Bottle#: 9
 Lims Batch ID: 81761 Lims Sample ID: 9
 Sublist: chrom-PCB4*sub2
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\PCB4.m
 Last Update: 15-Apr-2013 13:04:42 Calib Date: 15-Apr-2013 10:24:45
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK026

First Level Reviewer: hassl

Date: 15-Apr-2013 07:52:23

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

5 PCB-1242

1	100	1.540	1.540	0.000	1260674	0.0584		100.0	
1	2	1.821	1.821	0.000	2365416	0.0584	153.5- 203.5	187.6	
1	3	2.213	2.213	0.000	4116835	0.0529	312.0- 362.0	326.6	
1	4	2.333	2.333	0.000	1681125	0.0492	127.3- 177.3	133.4	
1	5	2.711	2.711	0.000	1841542	0.0536	124.3- 174.3	146.1	

Average of Peak Amounts = 0.0545

2	6	2.140	2.140	0.000	1226997	0.0569		100.0	
2	7	2.535	2.535	0.000	2379583	0.0570	163.2- 223.2	193.9	
2	8	2.986	2.986	0.000	4248838	0.0527	335.3- 395.3	346.3	
2	9	3.123	3.123	0.000	1930091	0.0540	133.4- 193.4	157.3	
2	10	3.733	3.733	0.000	1836399	0.0544	119.1- 179.1	149.7	

Average of Peak Amounts = 0.0550

RPD = 0.90

Report Date: 15-Apr-2013 13:04:43

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000009.D

Injection Date: 15-Apr-2013 01:16:16

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP4

Lims Batch ID: 81761

Lims Sample ID: 9

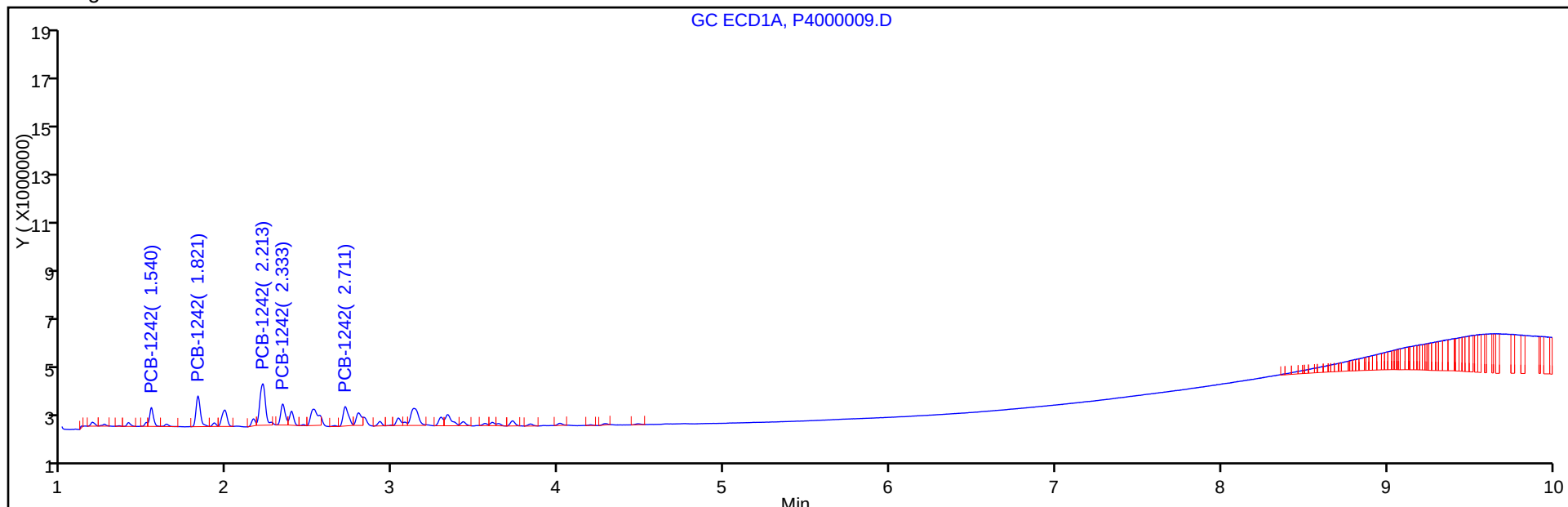
Operator ID:

Injection Vol: 1.0 ul

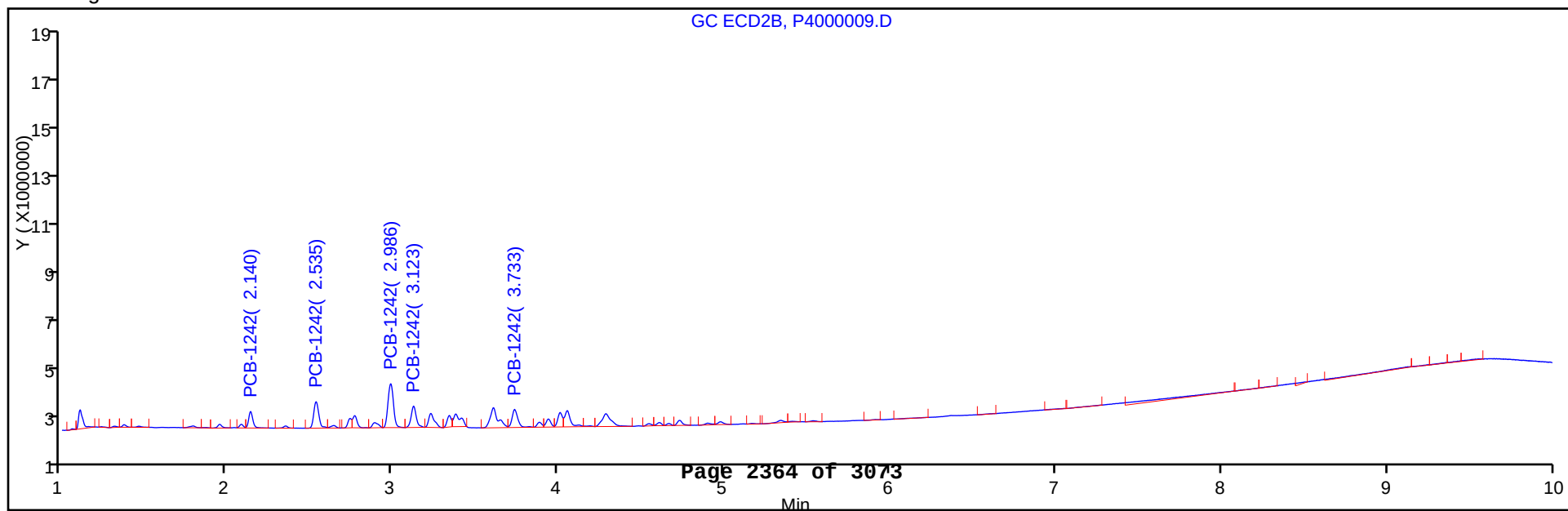
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000010.D
 Lims ID: STD01 1242 Client ID:
 Inject. Date: 15-Apr-2013 01:31:55 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 2
 Sample ID: 240-0018824-010
 Misc. Info.:
 Operator: Instrument ID: A2HP4
 Injection Vol: 1.0 ul ALS Bottle#: 10
 Lims Batch ID: 81761 Lims Sample ID: 10
 Sublist: chrom-PCB4*sub2
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\PCB4.m
 Last Update: 15-Apr-2013 13:04:44 Calib Date: 15-Apr-2013 10:24:45
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK026

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									
1	100	1.536	1.540	-0.004	2148224	0.0996		100.0	
1	2	1.821	1.821	0.000	4527513	0.1118	153.5- 203.5	210.8	
1	3	2.213	2.213	0.000	8375986	0.1077	312.0- 362.0	389.9	
1	4	2.334	2.333	0.001	3834787	0.1122	127.3- 177.3	178.5	
1	5	2.711	2.711	0.000	3788833	0.1104	124.3- 174.3	176.4	
Average of Peak Amounts =						0.1083			
2	6	2.140	2.140	0.000	2381598	0.1104		100.0	
2	7	2.535	2.535	0.000	4671714	0.1119	163.2- 223.2	196.2	
2	8	2.985	2.986	-0.001	8664077	0.1075	335.3- 395.3	363.8	
2	9	3.124	3.123	0.001	4080744	0.1143	133.4- 193.4	171.3	
2	10	3.734	3.733	0.001	3778301	0.1119	119.1- 179.1	158.6	
Average of Peak Amounts =						0.1112			
RPD = 2.62									

Report Date: 15-Apr-2013 13:04:45

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000010.D

Injection Date: 15-Apr-2013 01:31:55

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP4

Lims Batch ID: 81761

Lims Sample ID: 10

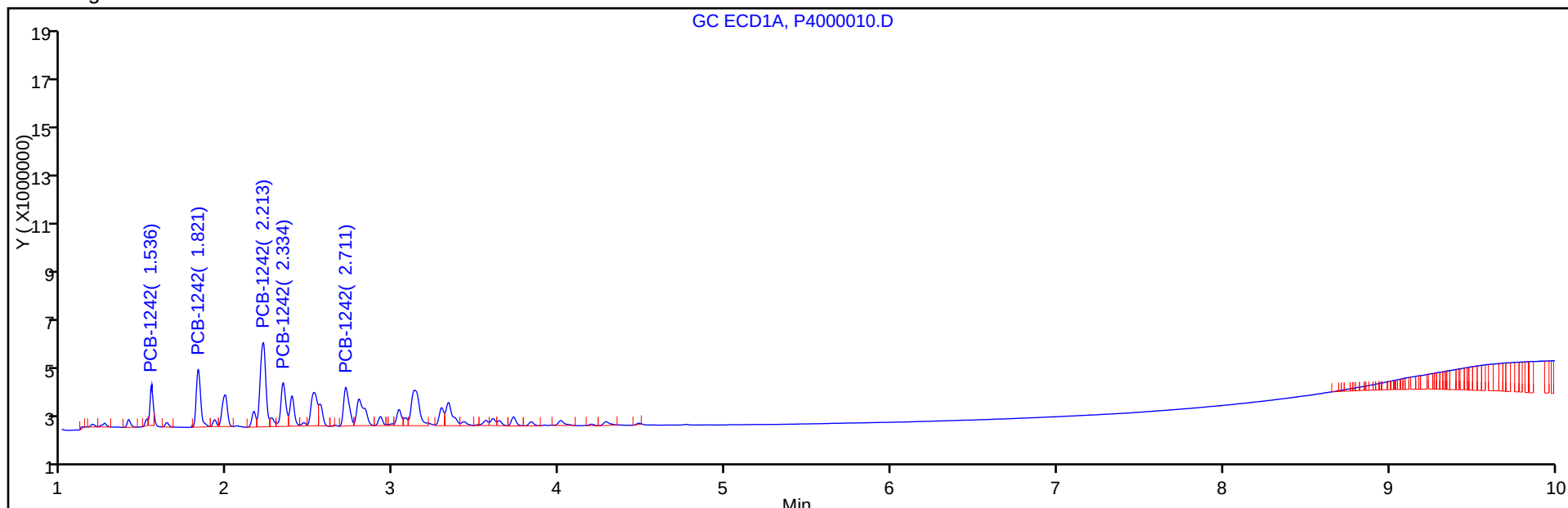
Operator ID:

Injection Vol: 1.0 ul

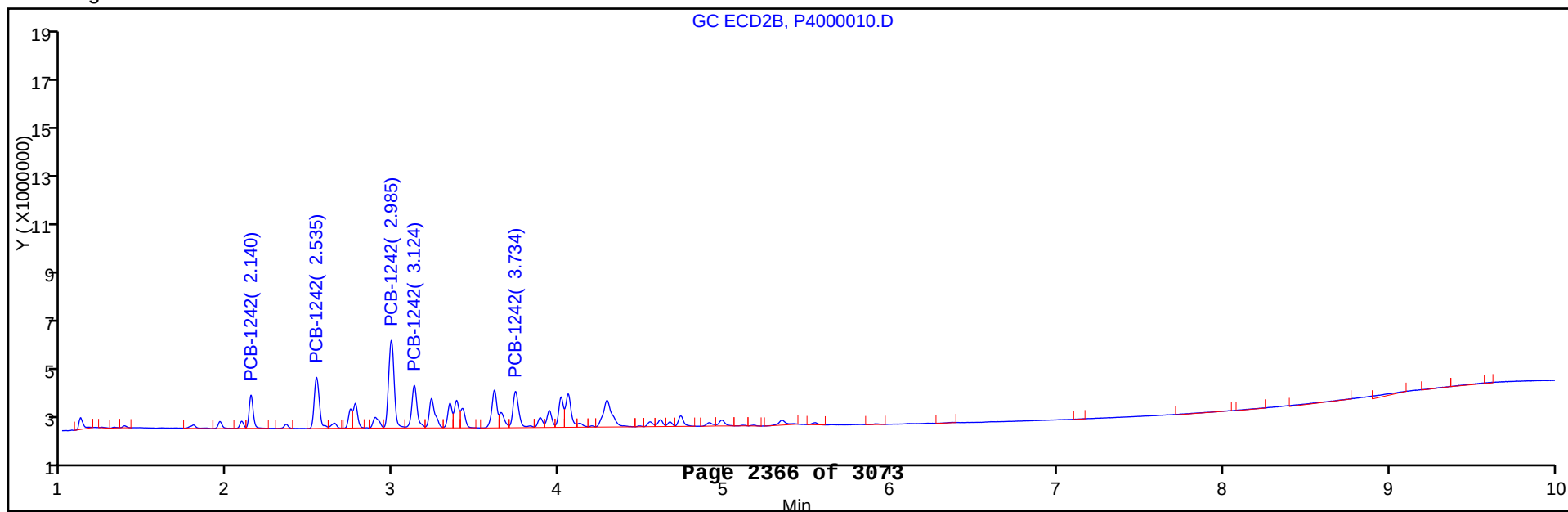
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000011.D
 Lims ID: STD02 1242 Client ID:
 Inject. Date: 15-Apr-2013 01:47:35 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 3
 Sample ID: 240-0018824-011
 Misc. Info.:
 Operator: Instrument ID: A2HP4
 Injection Vol: 1.0 ul ALS Bottle#: 11
 Lims Batch ID: 81761 Lims Sample ID: 11
 Sublist: chrom-PCB4*sub2
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\PCB4.m
 Last Update: 15-Apr-2013 13:04:45 Calib Date: 15-Apr-2013 10:24:45
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK026

First Level Reviewer: hassl

Date: 15-Apr-2013 07:53:05

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									M
1	100	1.540	1.540	0.000	4671525	0.2165		100.0	
1	2	1.821	1.821	0.000	8338374	0.2058	153.5- 203.5	178.5	
1	3	2.212	2.213	-0.001	15741439	0.2023	312.0- 362.0	337.0	M
1	4	2.333	2.333	0.000	7117029	0.2082	127.3- 177.3	152.3	M
1	5	2.711	2.711	0.000	6973156	0.2031	124.3- 174.3	149.3	M
Average of Peak Amounts =						0.2072			
2	6	2.139	2.140	-0.001	4505873	0.2089		100.0	
2	7	2.534	2.535	-0.001	8706735	0.2085	163.2- 223.2	193.2	
2	8	2.986	2.986	0.000	16458445	0.2043	335.3- 395.3	365.3	
2	9	3.124	3.123	0.001	7362816	0.2061	133.4- 193.4	163.4	
2	10	3.734	3.733	0.001	6719791	0.1989	119.1- 179.1	149.1	
Average of Peak Amounts =						0.2053			
						RPD = 0.90			

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 15-Apr-2013 13:04:46

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000011.D

Injection Date: 15-Apr-2013 01:47:35

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP4

Lims Batch ID: 81761

Lims Sample ID: 11

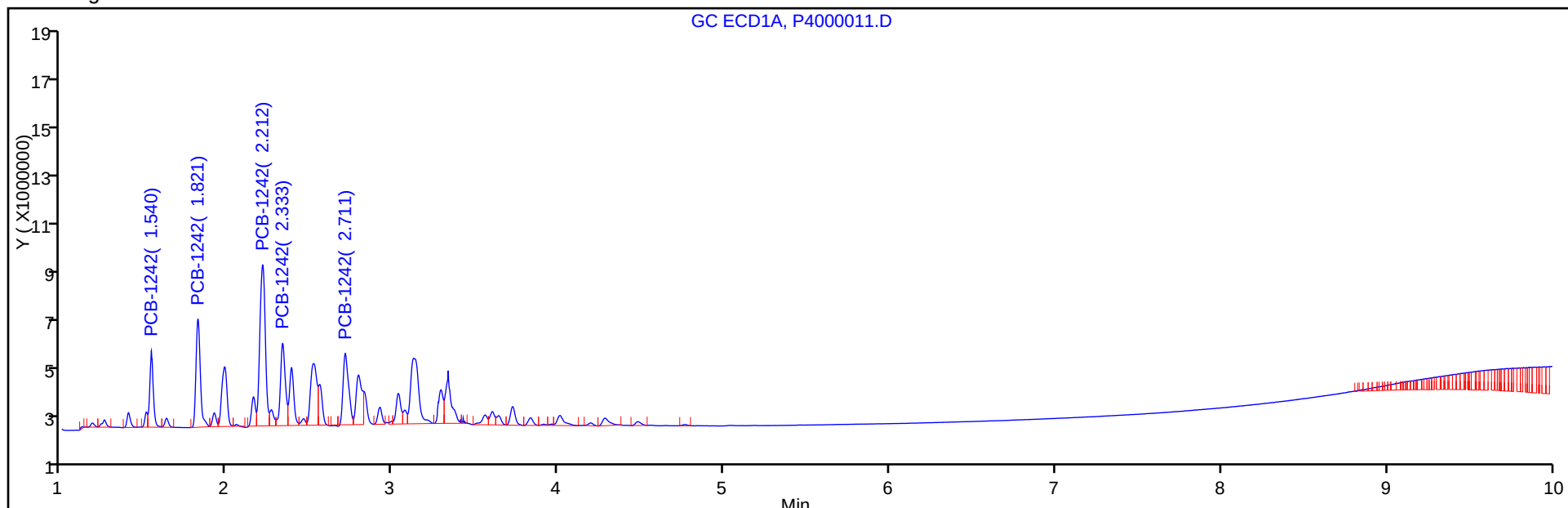
Operator ID:

Injection Vol: 1.0 ul

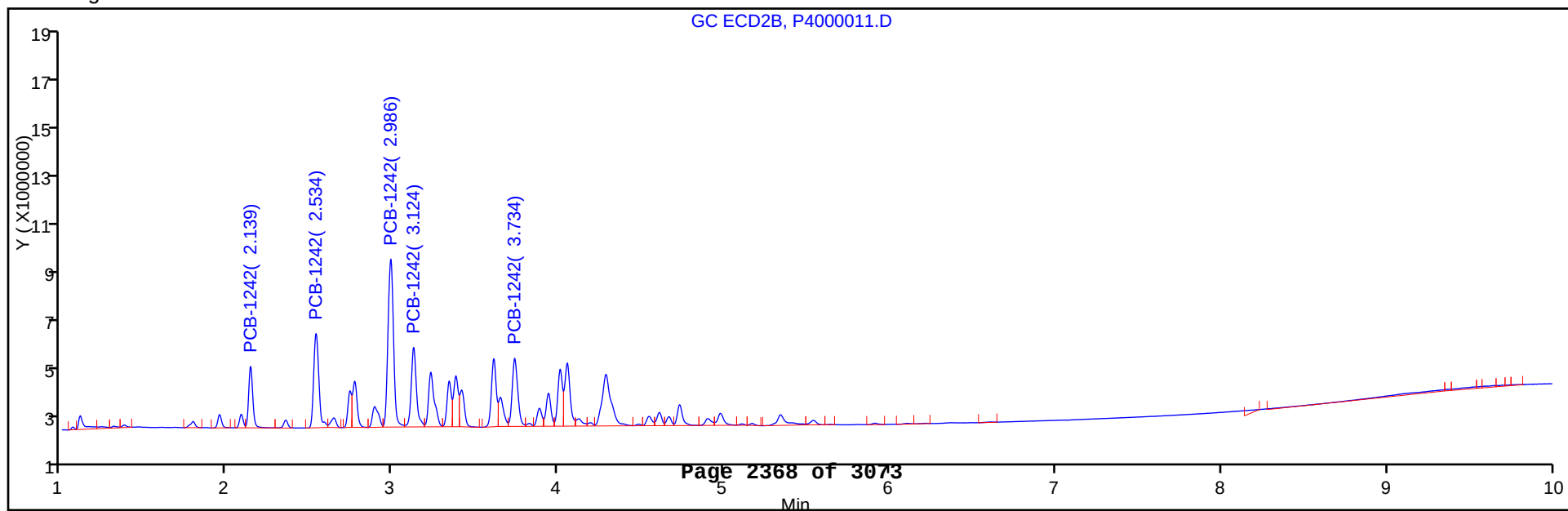
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000012.D
 Lims ID: STD05 1242 Client ID:
 Inject. Date: 15-Apr-2013 02:03:15 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 4
 Sample ID: 240-0018824-012
 Misc. Info.:
 Operator: Instrument ID: A2HP4
 Injection Vol: 1.0 ul ALS Bottle#: 12
 Lims Batch ID: 81761 Lims Sample ID: 12
 Sublist: chrom-PCB4*sub2
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\PCB4.m
 Last Update: 15-Apr-2013 13:04:47 Calib Date: 15-Apr-2013 10:24:45
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK026

First Level Reviewer: hassl

Date: 15-Apr-2013 05:51:54

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

5 PCB-1242

1	100	1.541	1.540	0.001	10506706	0.4870		100.0	
1	2	1.822	1.821	0.001	19088559	0.4712	153.5- 203.5	181.7	
1	3	2.213	2.213	0.000	37212620	0.4783	312.0- 362.0	354.2	
1	4	2.334	2.333	0.001	16611102	0.4859	127.3- 177.3	158.1	
1	5	2.712	2.711	0.001	16401781	0.4777	124.3- 174.3	156.1	

Average of Peak Amounts = 0.4800

2	6	2.140	2.140	0.000	10298784	0.4774		100.0	
2	7	2.535	2.535	0.000	19564185	0.4685	163.2- 223.2	190.0	
2	8	2.986	2.986	0.000	37434532	0.4646	335.3- 395.3	363.5	
2	9	3.124	3.123	0.001	15589363	0.4365	133.4- 193.4	151.4	
2	10	3.734	3.733	0.001	15930304	0.4716	119.1- 179.1	154.7	

Average of Peak Amounts = 0.4637

RPD = 3.45

Report Date: 15-Apr-2013 13:04:48

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000012.D

Injection Date: 15-Apr-2013 02:03:15

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP4

Lims Batch ID: 81761

Lims Sample ID: 12

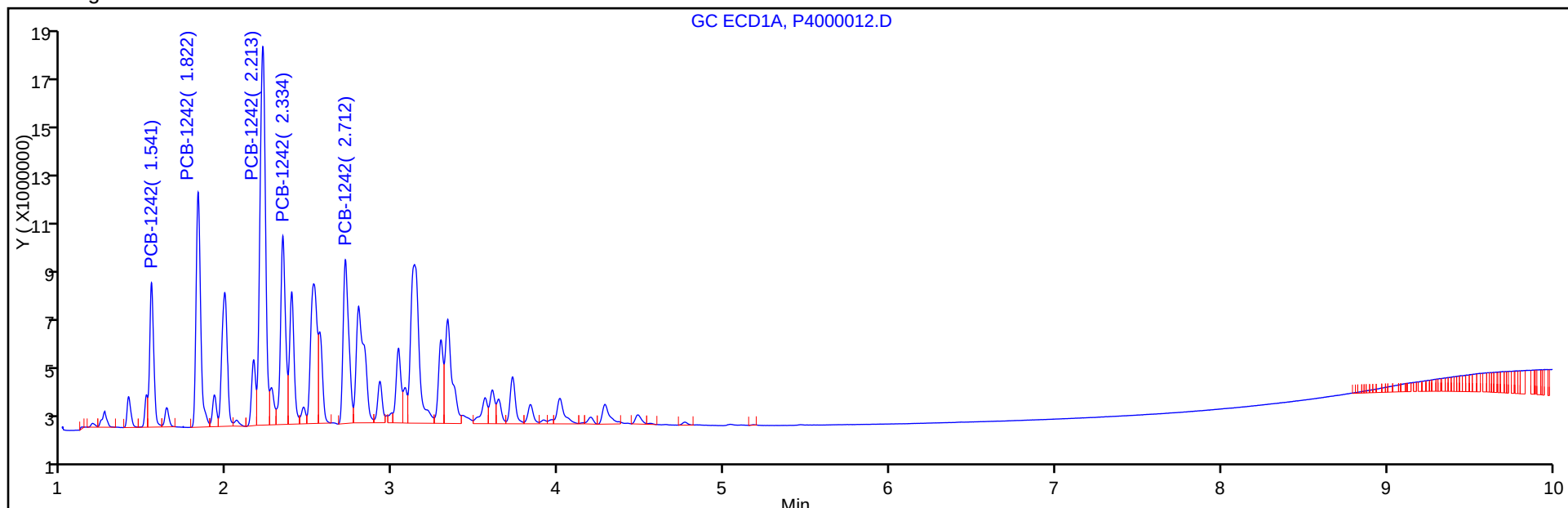
Operator ID:

Injection Vol: 1.0 ul

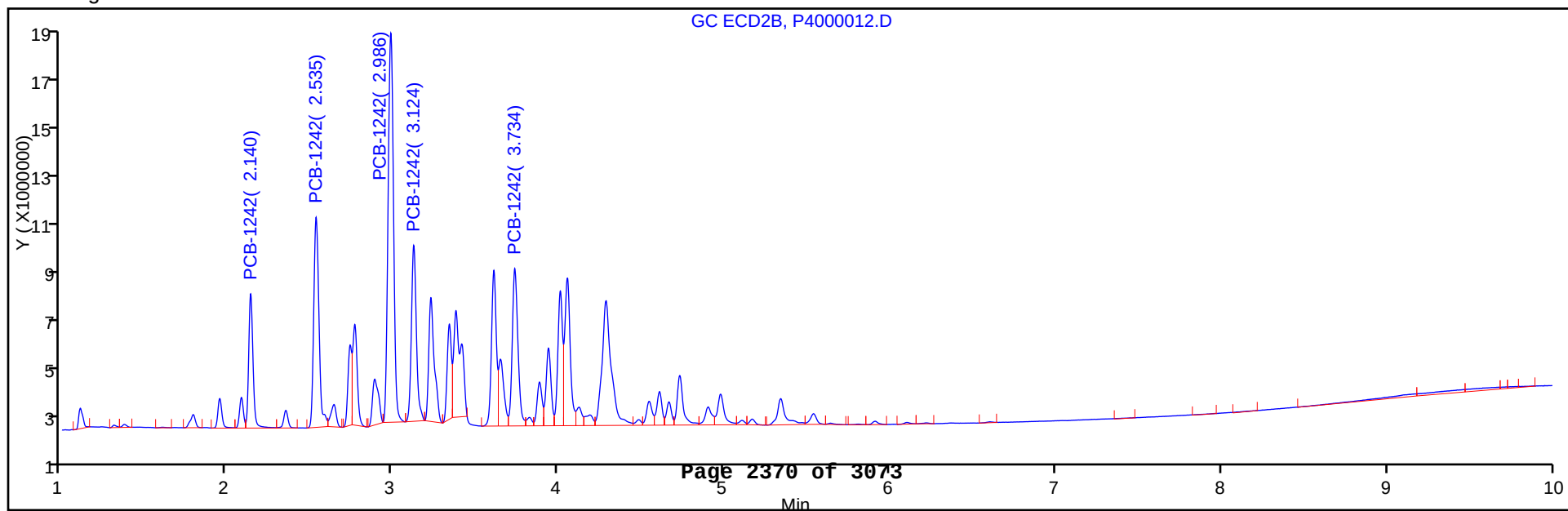
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000013.D
 Lims ID: STD1 1242 Client ID:
 Inject. Date: 15-Apr-2013 02:19:01 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 5
 Sample ID: 240-0018824-013
 Misc. Info.:
 Operator: Instrument ID: A2HP4
 Injection Vol: 1.0 ul ALS Bottle#: 13
 Lims Batch ID: 81761 Lims Sample ID: 13
 Sublist: chrom-PCB4*sub2
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\PCB4.m
 Last Update: 15-Apr-2013 13:04:48 Calib Date: 15-Apr-2013 10:24:45
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK026

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									
1	100	1.540	1.540	0.000	20136124	0.9333		100.0	
1	2	1.822	1.821	0.001	37109215	0.9160	153.5- 203.5	184.3	
1	3	2.213	2.213	0.000	75642273	0.9722	312.0- 362.0	375.7	
1	4	2.333	2.333	0.000	32957971	0.9640	127.3- 177.3	163.7	
1	5	2.711	2.711	0.000	32115158	0.9354	124.3- 174.3	159.5	
Average of Peak Amounts =						0.9442			
2	6	2.139	2.140	-0.001	19903453	0.9227		100.0	
2	7	2.534	2.535	-0.001	38623247	0.9248	163.2- 223.2	194.1	
2	8	2.986	2.986	0.000	79681280	0.9889	335.3- 395.3	400.3	
2	9	3.124	3.123	0.001	34688353	0.9712	133.4- 193.4	174.3	
2	10	3.735	3.733	0.002	32371258	0.9584	119.1- 179.1	162.6	
Average of Peak Amounts =						0.9532			
						RPD = 0.95			

Report Date: 15-Apr-2013 13:04:49

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000013.D

Injection Date: 15-Apr-2013 02:19:01

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP4

Lims Batch ID: 81761

Lims Sample ID: 13

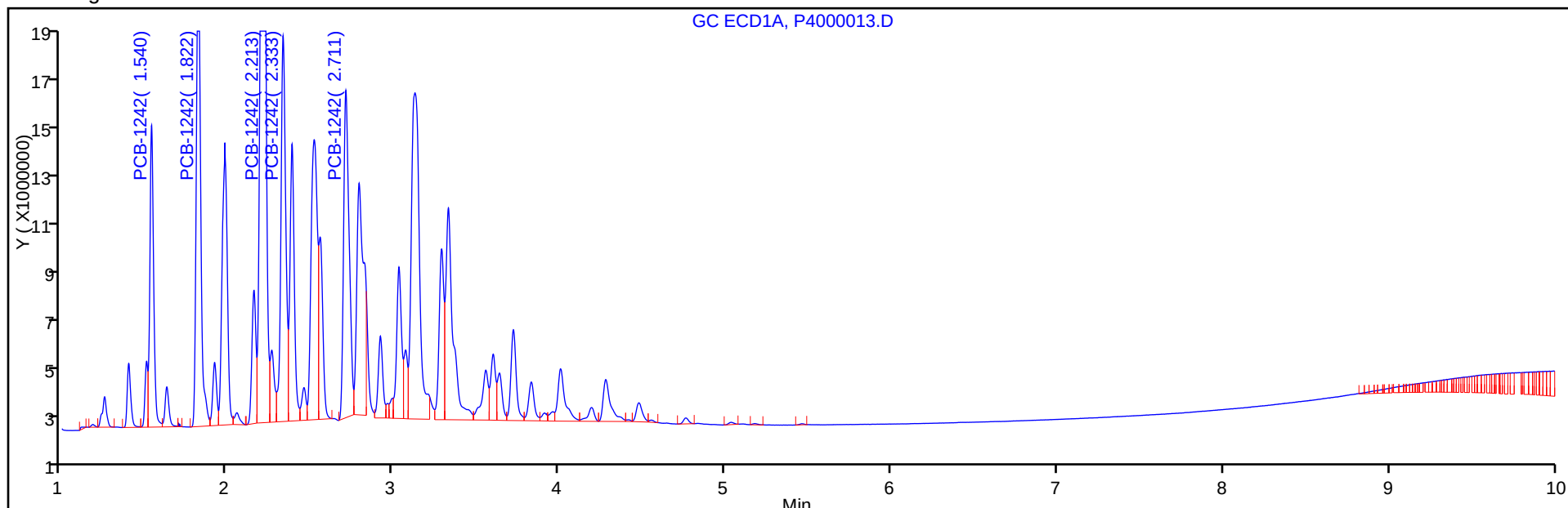
Operator ID:

Injection Vol: 1.0 ul

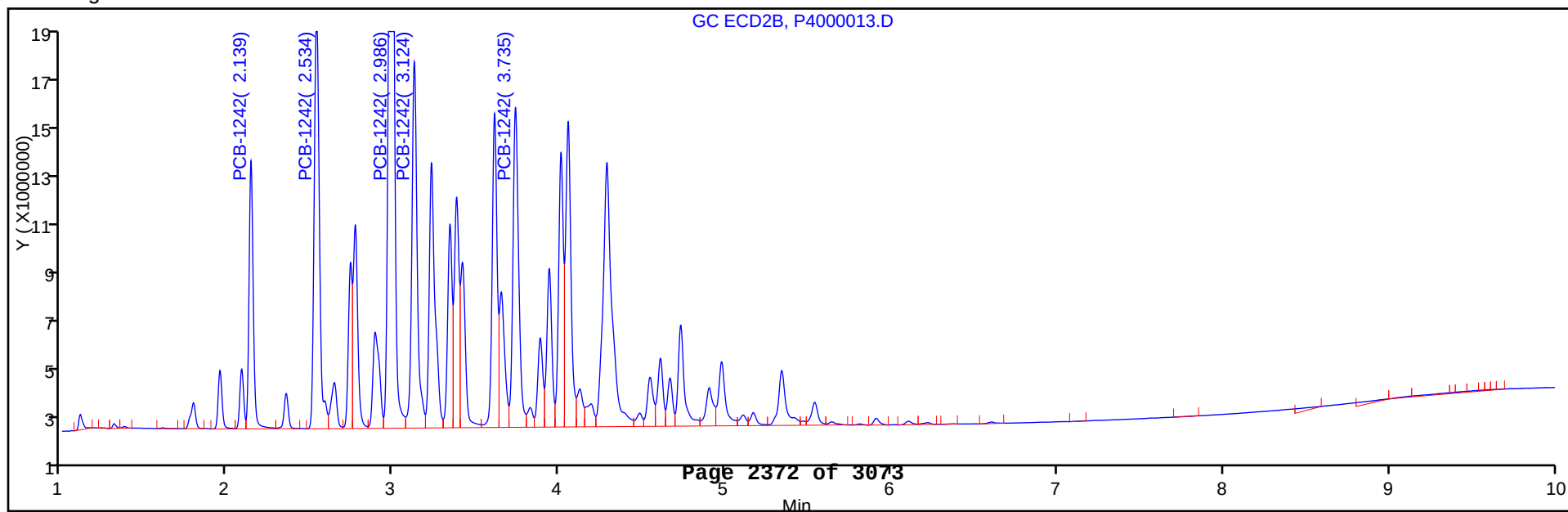
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000014.D
 Lims ID: STD2 1242 Client ID:
 Inject. Date: 15-Apr-2013 02:34:41 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 6
 Sample ID: 240-0018824-014
 Misc. Info.:
 Operator: Instrument ID: A2HP4
 Injection Vol: 1.0 ul ALS Bottle#: 14
 Lims Batch ID: 81761 Lims Sample ID: 14
 Sublist: chrom-PCB4*sub2
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\PCB4.m
 Last Update: 15-Apr-2013 13:04:50 Calib Date: 15-Apr-2013 10:24:45
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK026

First Level Reviewer: hassl

Date: 15-Apr-2013 07:53:23

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									M
1	100	1.540	1.540	0.000	36505486	1.69		100.0	
1	2	1.822	1.821	0.001	67002260	1.65	153.5- 203.5	183.5	M
1	3	2.213	2.213	0.000	143927148	1.85	312.0- 362.0	394.3	M
1	4	2.333	2.333	0.000	62783536	1.84	127.3- 177.3	172.0	M
1	5	2.710	2.711	-0.001	62976939	1.83	124.3- 174.3	172.5	M
Average of Peak Amounts =						1.77			
2	6	2.139	2.140	-0.001	36078109	1.67		100.0	
2	7	2.535	2.535	0.000	69968164	1.68	163.2- 223.2	193.9	
2	8	2.986	2.986	0.000	150021790	1.86	335.3- 395.3	415.8	
2	9	3.124	3.123	0.001	64419209	1.80	133.4- 193.4	178.6	
2	10	3.733	3.733	0.000	60641277	1.80	119.1- 179.1	168.1	
Average of Peak Amounts =						1.76			
						RPD = 0.65			

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 15-Apr-2013 13:04:51

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000014.D

Injection Date: 15-Apr-2013 02:34:41

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP4

Lims Batch ID: 81761

Lims Sample ID: 14

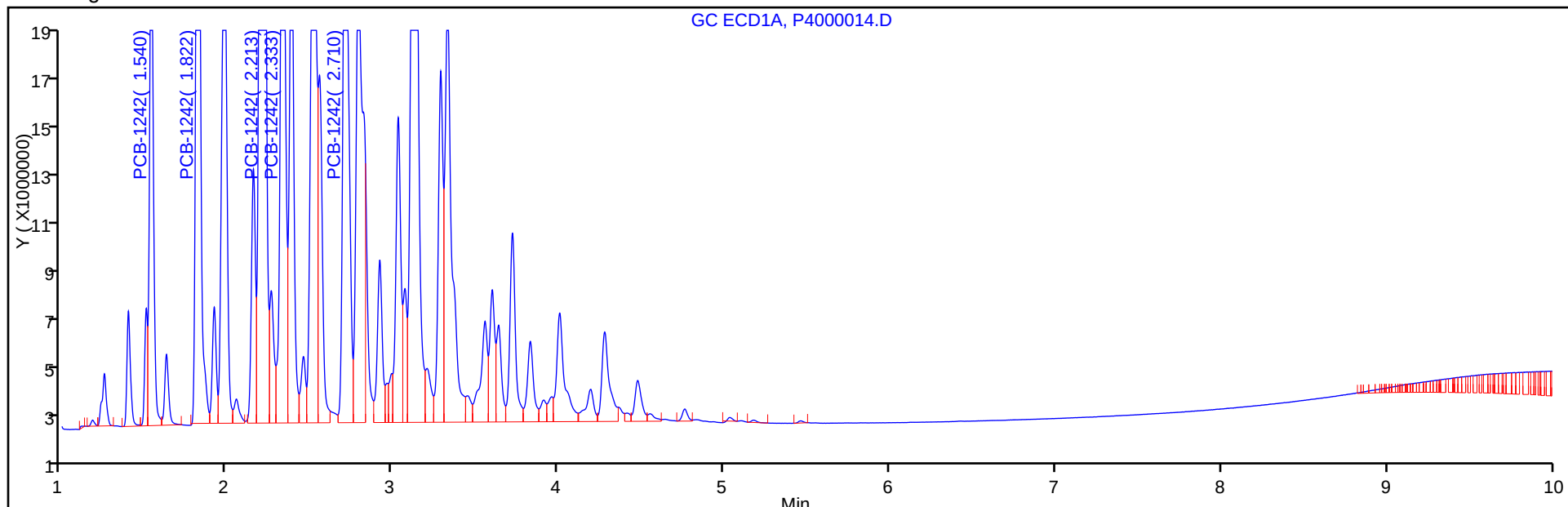
Operator ID:

Injection Vol: 1.0 ul

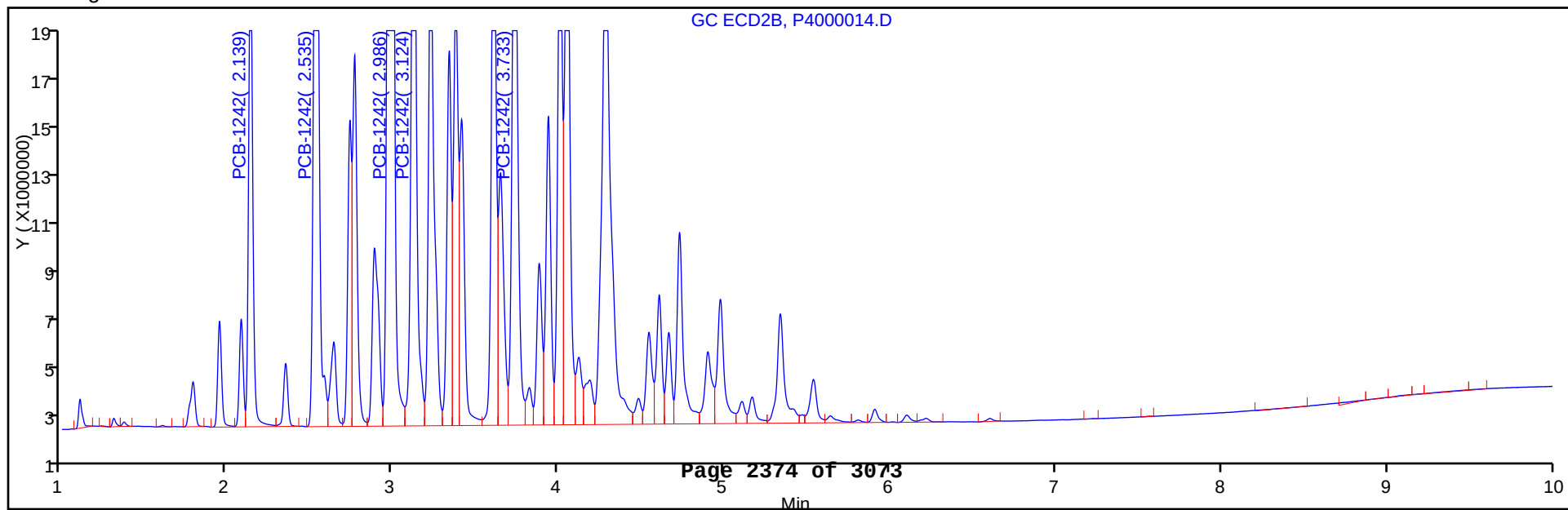
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22852-1 Analy Batch No.: 81761

SDG No.: _____

Instrument ID: A2HP4 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/15/2013 02:50 Calibration End Date: 04/15/2013 04:08 Calibration ID: 14521

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-81761/15	P4000015.D
Level 2	STD01 240-81761/16	P4000016.D
Level 3	STD02 240-81761/17	P4000017.D
Level 4	STD05 240-81761/18	P4000018.D
Level 5	STD1 240-81761/19	P4000019.D
Level 6	STD2 240-81761/20	P4000020.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
PCB-1248 Peak 1	1.821	1.821	1.823	1.822	1.822	1.822					1.721 - 1.921	1.822
PCB-1248 Peak 2	2.210	2.212	2.213	2.212	2.213	2.213					2.110 - 2.310	2.212
PCB-1248 Peak 3	2.711	2.711	2.713	2.712	2.712	2.711					2.611 - 2.811	2.712
PCB-1248 Peak 4	3.290	3.289	3.290	3.290	3.290	3.289					3.190 - 3.390	3.290
PCB-1248 Peak 5	3.721	3.723	3.723	3.722	3.721	3.721					3.621 - 3.821	3.722

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-22852-1 Analy Batch No.: 81761

SDG No.: _____

Instrument ID: A2HP4 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/15/2013 02:50 Calibration End Date: 04/15/2013 04:08 Calibration ID: 14521

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-81761/15	P4000015.D
Level 2	STD01 240-81761/16	P4000016.D
Level 3	STD02 240-81761/17	P4000017.D
Level 4	STD05 240-81761/18	P4000018.D
Level 5	STD1 240-81761/19	P4000019.D
Level 6	STD2 240-81761/20	P4000020.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								
PCB-1248 Peak 1	22808440 18644528	22396480 17228404	21265040	18620612	Ave		20160584.0				11.0		20.0			
PCB-1248 Peak 2	49182060 48573249	53214070 46753398	44899700	46328216	Ave		48158448.8				6.1		20.0			
PCB-1248 Peak 3	62745220 54549073	60270520 52075353	57922345	52210644	Ave		56628859.1				7.8		20.0			
PCB-1248 Peak 4	28377660 29177858	28880170 28641530	27926845	26888042	Ave		28315350.8				2.9		20.0			
PCB-1248 Peak 5	26088960 28094417	28823300 27587981	27291550	27036588	Ave		27487132.7				3.4		20.0			

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

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-22852-1 Analy Batch No.: 81761

SDG No.: _____

Instrument ID: A2HP4 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/15/2013 02:50 Calibration End Date: 04/15/2013 04:08 Calibration ID: 14521

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-81761/15	P4000015.D
Level 2	STD01 240-81761/16	P4000016.D
Level 3	STD02 240-81761/17	P4000017.D
Level 4	STD05 240-81761/18	P4000018.D
Level 5	STD1 240-81761/19	P4000019.D
Level 6	STD2 240-81761/20	P4000020.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1248 Peak 1	Ave	1140422 34456808	2239648	4253008	9310306	18644528	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1248 Peak 2	Ave	2459103 93506796	5321407	8979940	23164108	48573249	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1248 Peak 3	Ave	3137261 104150705	6027052	11584469	26105322	54549073	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1248 Peak 4	Ave	1418883 57283059	2888017	5585369	13444021	29177858	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1248 Peak 5	Ave	1304448 55175962	2882330	5458310	13518294	28094417	0.0500 2.00	0.100	0.200	0.500	1.00

Curve Type Legend:

Ave = Average

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000015.D
 Lims ID: STD005 1248 Client ID:
 Inject. Date: 15-Apr-2013 02:50:20 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 1
 Sample ID: 240-0018824-015
 Misc. Info.:
 Operator: Instrument ID: A2HP4
 Injection Vol: 1.0 ul ALS Bottle#: 15
 Lims Batch ID: 81761 Lims Sample ID: 15
 Sublist: chrom-PCB4*sub3
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\PCB4.m
 Last Update: 15-Apr-2013 13:04:51 Calib Date: 15-Apr-2013 10:24:45
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK026

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
7 PCB-1248									
1	86	1.821	1.821	0.000	1140422	0.0566		100.0	
1	2	2.210	2.210	0.000	2459103	0.0511	186.1- 236.1	215.6	
1	3	2.711	2.711	0.000	3137261	0.0554	247.4- 297.4	275.1	
1	4	3.290	3.290	0.000	1418883	0.0501	106.3- 156.3	124.4	
1	5	3.721	3.721	0.000	1304448	0.0475	103.3- 153.3	114.4	
Average of Peak Amounts =						0.0521			
2	6	2.532	2.532	0.000	1195857	0.0582		100.0	
2	7	2.982	2.982	0.000	2892764	0.0554	215.2- 275.2	241.9	
2	8	3.733	3.733	0.000	2934602	0.0547	225.9- 285.9	245.4	
2	9	4.008	4.008	0.000	2371135	0.0531	178.4- 238.4	198.3	
2	10	4.730	4.730	0.000	1469740	0.0499	97.2- 157.2	122.9	
Average of Peak Amounts =						0.0543			
						RPD = 4.02			

Report Date: 15-Apr-2013 13:04:52

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000015.D

Injection Date: 15-Apr-2013 02:50:20

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP4

Lims Batch ID: 81761

Lims Sample ID: 15

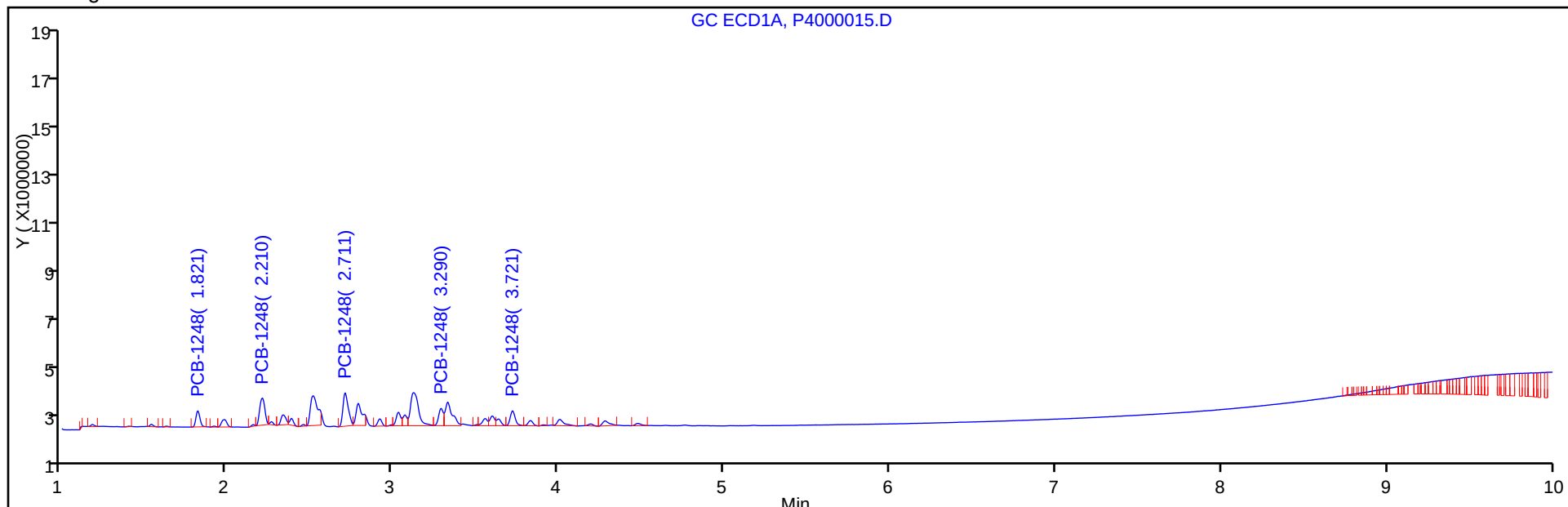
Operator ID:

Injection Vol: 1.0 ul

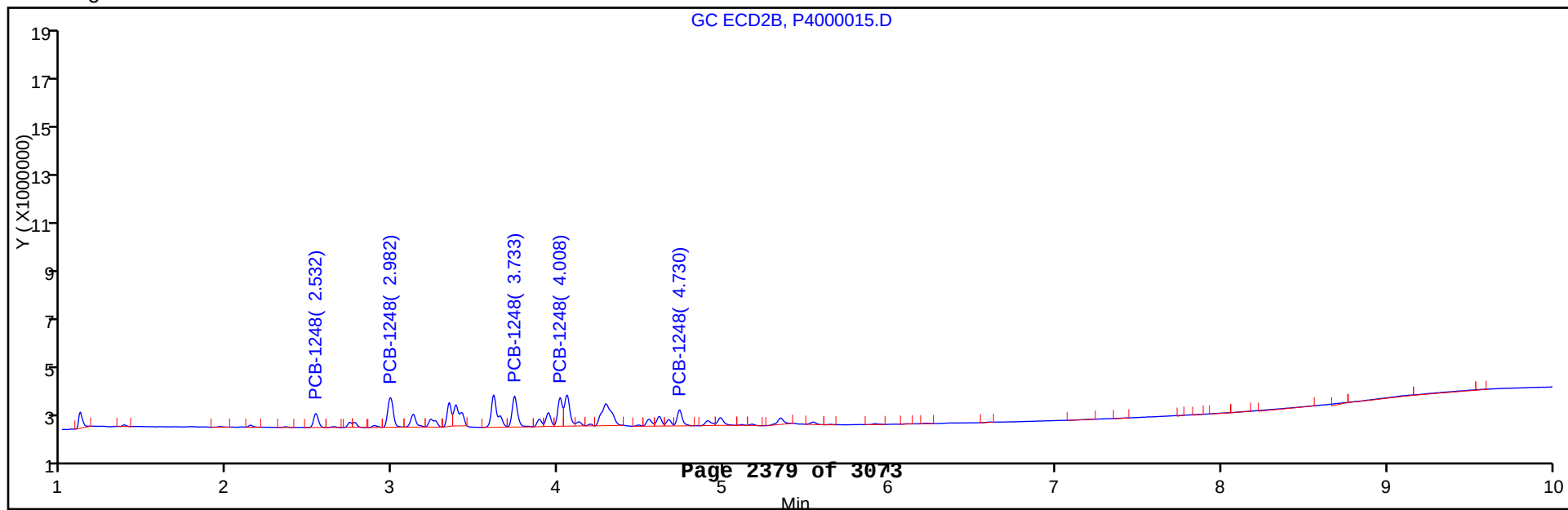
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000016.D
 Lims ID: STD01 1248 Client ID:
 Inject. Date: 15-Apr-2013 03:06:00 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 2
 Sample ID: 240-0018824-016
 Misc. Info.:
 Operator: Instrument ID: A2HP4
 Injection Vol: 1.0 ul ALS Bottle#: 16
 Lims Batch ID: 81761 Lims Sample ID: 16
 Sublist: chrom-PCB4*sub3
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\PCB4.m
 Last Update: 15-Apr-2013 13:04:52 Calib Date: 15-Apr-2013 10:24:45
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK026

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
7 PCB-1248									
1	86	1.821	1.821	0.000	2239648	0.1111		100.0	
1	2	2.212	2.210	0.002	5321407	0.1105	186.1- 236.1	237.6	
1	3	2.711	2.711	0.000	6027052	0.1064	247.4- 297.4	269.1	
1	4	3.289	3.290	-0.001	2888017	0.1020	106.3- 156.3	128.9	
1	5	3.723	3.721	0.002	2882330	0.1049	103.3- 153.3	128.7	
Average of Peak Amounts =						0.1070			
2	6	2.534	2.532	0.002	2256900	0.1098		100.0	
2	7	2.984	2.982	0.002	5502441	0.1053	215.2- 275.2	243.8	
2	8	3.734	3.733	0.001	5653124	0.1055	225.9- 285.9	250.5	
2	9	4.009	4.008	0.001	4620069	0.1035	178.4- 238.4	204.7	
2	10	4.731	4.730	0.001	3084787	0.1047	97.2- 157.2	136.7	
Average of Peak Amounts =						0.1057			
RPD = 1.15									

Report Date: 15-Apr-2013 13:04:53

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000016.D

Injection Date: 15-Apr-2013 03:06:00

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP4

Lims Batch ID: 81761

Lims Sample ID: 16

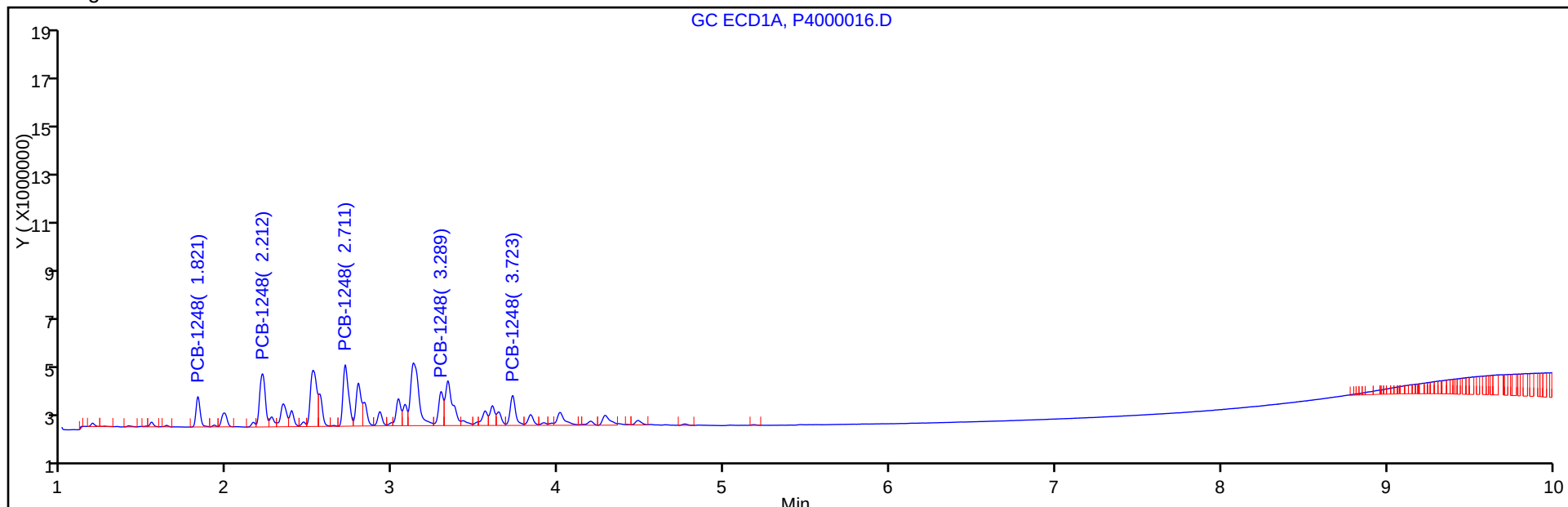
Operator ID:

Injection Vol: 1.0 ul

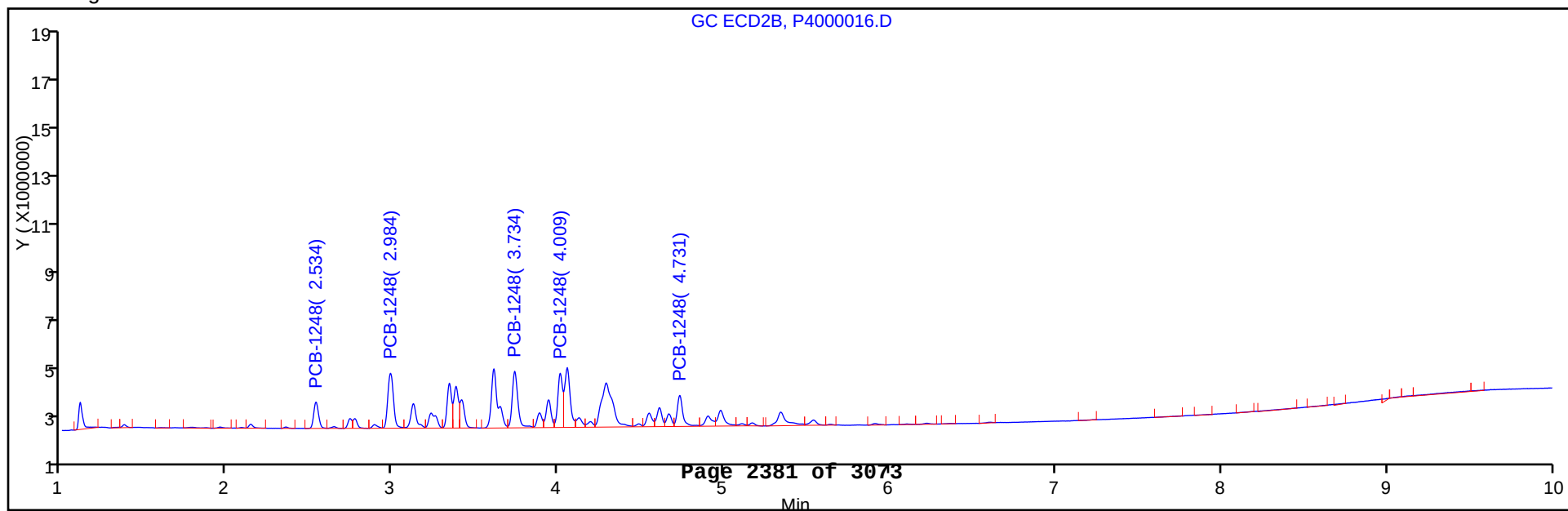
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000017.D
 Lims ID: STD02 1248 Client ID:
 Inject. Date: 15-Apr-2013 03:21:46 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 3
 Sample ID: 240-0018824-017
 Misc. Info.:
 Operator: Instrument ID: A2HP4
 Injection Vol: 1.0 ul ALS Bottle#: 17
 Lims Batch ID: 81761 Lims Sample ID: 17
 Sublist: chrom-PCB4*sub3
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\PCB4.m
 Last Update: 15-Apr-2013 13:04:54 Calib Date: 15-Apr-2013 10:24:45
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK026

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
7 PCB-1248									
1	86	1.823	1.821	0.002	4253008	0.2110		100.0	
1	2	2.213	2.210	0.003	8979940	0.1865	186.1- 236.1	211.1	
1	3	2.713	2.711	0.002	11584469	0.2046	247.4- 297.4	272.4	
1	4	3.290	3.290	0.000	5585369	0.1973	106.3- 156.3	131.3	
1	5	3.723	3.721	0.002	5458310	0.1986	103.3- 153.3	128.3	
Average of Peak Amounts =						0.1996			
2	6	2.534	2.532	0.002	4260605	0.2073		100.0	
2	7	2.985	2.982	0.003	10448787	0.2000	215.2- 275.2	245.2	
2	8	3.735	3.733	0.002	10902961	0.2034	225.9- 285.9	255.9	
2	9	4.010	4.008	0.002	8878114	0.1989	178.4- 238.4	208.4	
2	10	4.731	4.730	0.001	5417368	0.1838	97.2- 157.2	127.2	
Average of Peak Amounts =						0.1987			
						RPD = 0.45			

Report Date: 15-Apr-2013 13:04:55

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000017.D

Injection Date: 15-Apr-2013 03:21:46

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP4

Lims Batch ID: 81761

Lims Sample ID: 17

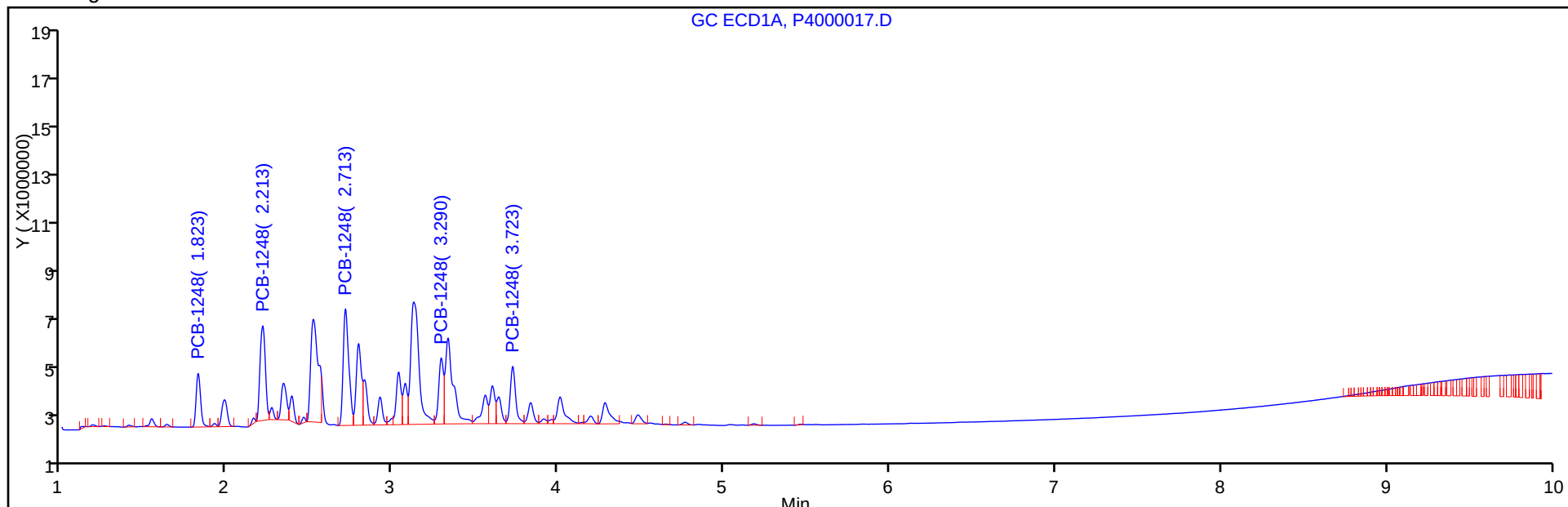
Operator ID:

Injection Vol: 1.0 ul

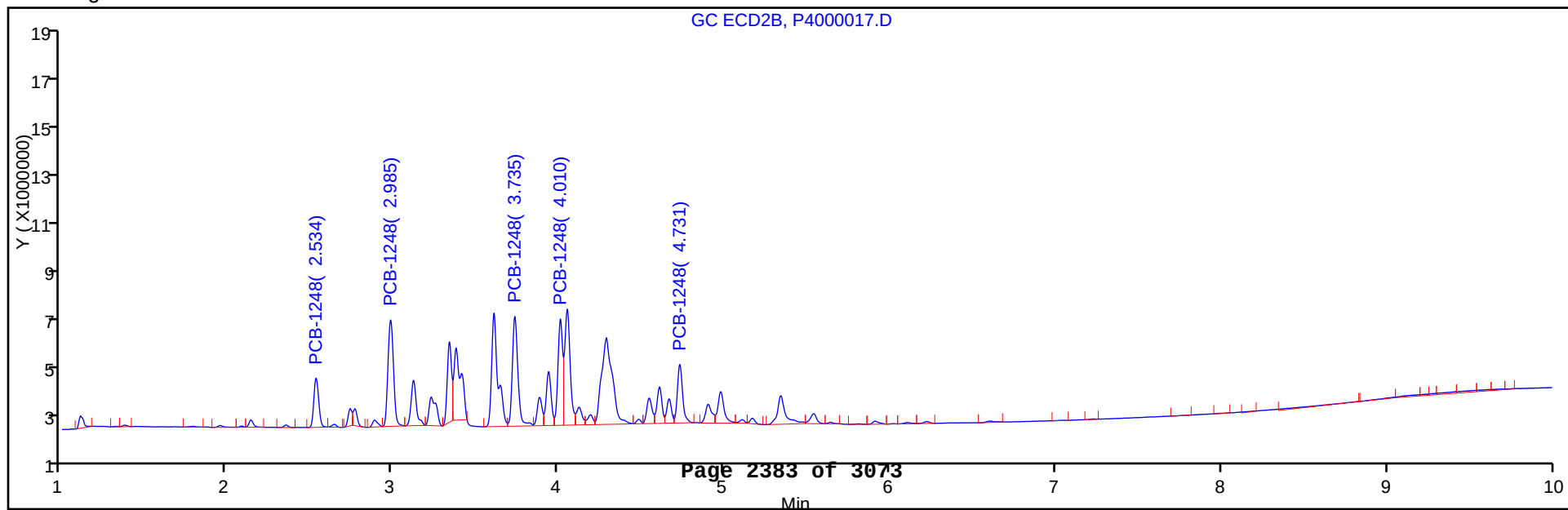
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000018.D
 Lims ID: STD05 1248 Client ID:
 Inject. Date: 15-Apr-2013 03:37:25 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 4
 Sample ID: 240-0018824-018
 Misc. Info.:
 Operator: Instrument ID: A2HP4
 Injection Vol: 1.0 ul ALS Bottle#: 18
 Lims Batch ID: 81761 Lims Sample ID: 18
 Sublist: chrom-PCB4*sub3
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\PCB4.m
 Last Update: 15-Apr-2013 13:04:55 Calib Date: 15-Apr-2013 10:24:45
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK026

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
7 PCB-1248									
1	86	1.822	1.821	0.001	9310306	0.4618		100.0	
1	2	2.212	2.210	0.002	23164108	0.4810	186.1- 236.1	248.8	
1	3	2.712	2.711	0.001	26105322	0.4610	247.4- 297.4	280.4	
1	4	3.290	3.290	0.000	13444021	0.4748	106.3- 156.3	144.4	
1	5	3.722	3.721	0.001	13518294	0.4918	103.3- 153.3	145.2	
Average of Peak Amounts =						0.4741			
2	6	2.535	2.532	0.003	9548938	0.4646		100.0	
2	7	2.985	2.982	0.003	24643538	0.4716	215.2- 275.2	258.1	
2	8	3.735	3.733	0.002	25368546	0.4732	225.9- 285.9	265.7	
2	9	4.010	4.008	0.002	21095875	0.4726	178.4- 238.4	220.9	
2	10	4.730	4.730	0.000	14980478	0.5083	97.2- 157.2	156.9	
Average of Peak Amounts =						0.4781			
						RPD = 0.84			

Report Date: 15-Apr-2013 13:04:56

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000018.D

Injection Date: 15-Apr-2013 03:37:25

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP4

Lims Batch ID: 81761

Lims Sample ID: 18

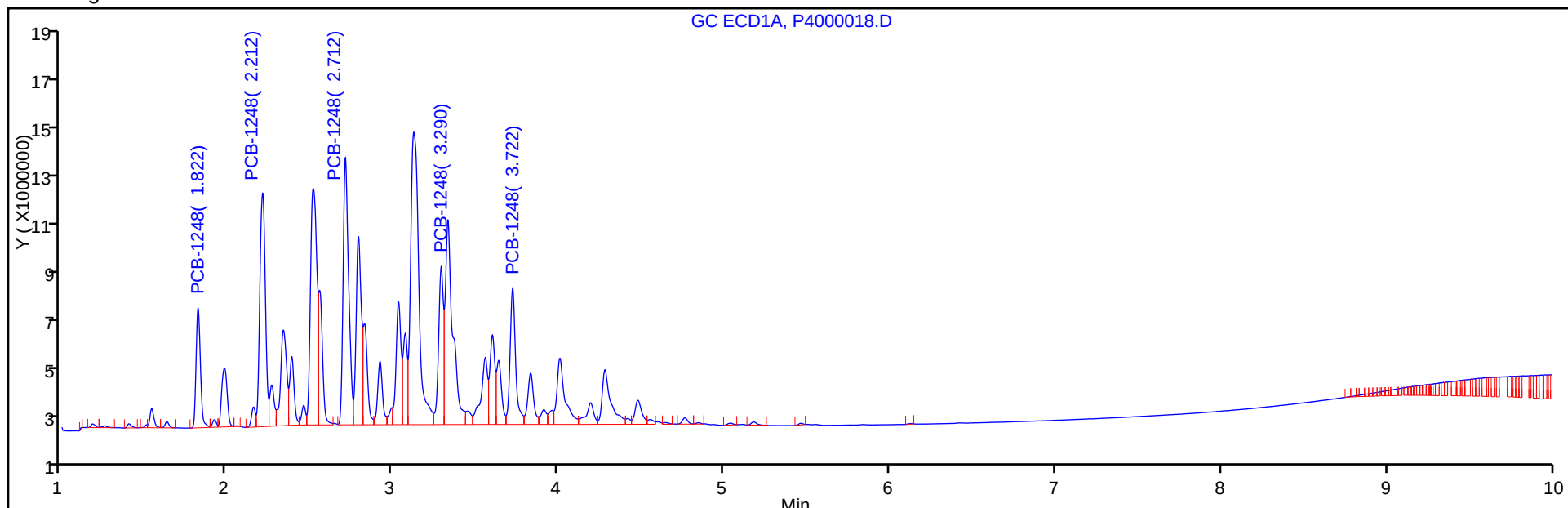
Operator ID:

Injection Vol: 1.0 ul

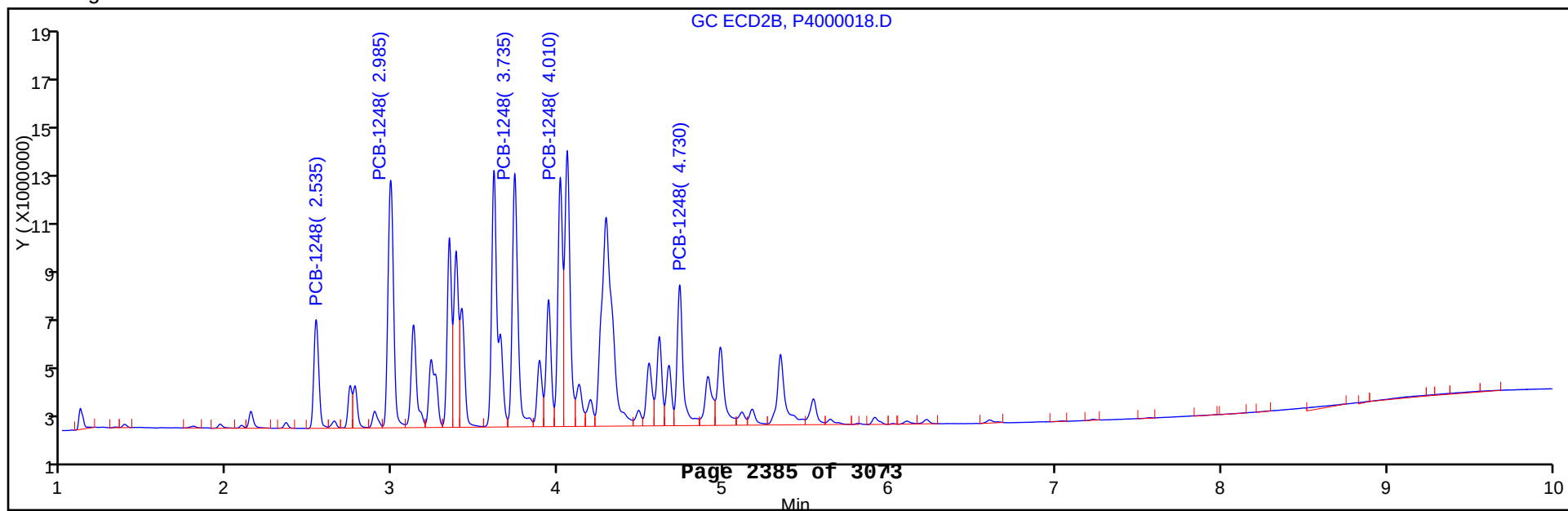
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000019.D
 Lims ID: STD1 1248 Client ID:
 Inject. Date: 15-Apr-2013 03:53:03 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 5
 Sample ID: 240-0018824-019
 Misc. Info.:
 Operator: Instrument ID: A2HP4
 Injection Vol: 1.0 ul ALS Bottle#: 19
 Lims Batch ID: 81761 Lims Sample ID: 19
 Sublist: chrom-PCB4*sub3
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\PCB4.m
 Last Update: 15-Apr-2013 13:04:56 Calib Date: 15-Apr-2013 10:24:45
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK026

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
7 PCB-1248									
1	86	1.822	1.821	0.001	18644528	0.9248		100.0	
1	2	2.213	2.210	0.003	48573249	1.01	186.1- 236.1	260.5	
1	3	2.712	2.711	0.001	54549073	0.9633	247.4- 297.4	292.6	
1	4	3.290	3.290	0.000	29177858	1.03	106.3- 156.3	156.5	
1	5	3.721	3.721	0.000	28094417	1.02	103.3- 153.3	150.7	
Average of Peak Amounts =						0.9898			
2	6	2.534	2.532	0.002	18739596	0.9118		100.0	
2	7	2.985	2.982	0.003	49805139	0.9531	215.2- 275.2	265.8	
2	8	3.734	3.733	0.001	52292345	0.9755	225.9- 285.9	279.0	
2	9	4.009	4.008	0.001	44182167	0.9897	178.4- 238.4	235.8	
2	10	4.731	4.730	0.001	30966185	1.05	97.2- 157.2	165.2	
Average of Peak Amounts =						0.9762			
RPD = 1.39									

Report Date: 15-Apr-2013 13:04:57

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000019.D

Injection Date: 15-Apr-2013 03:53:03

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP4

Lims Batch ID: 81761

Lims Sample ID: 19

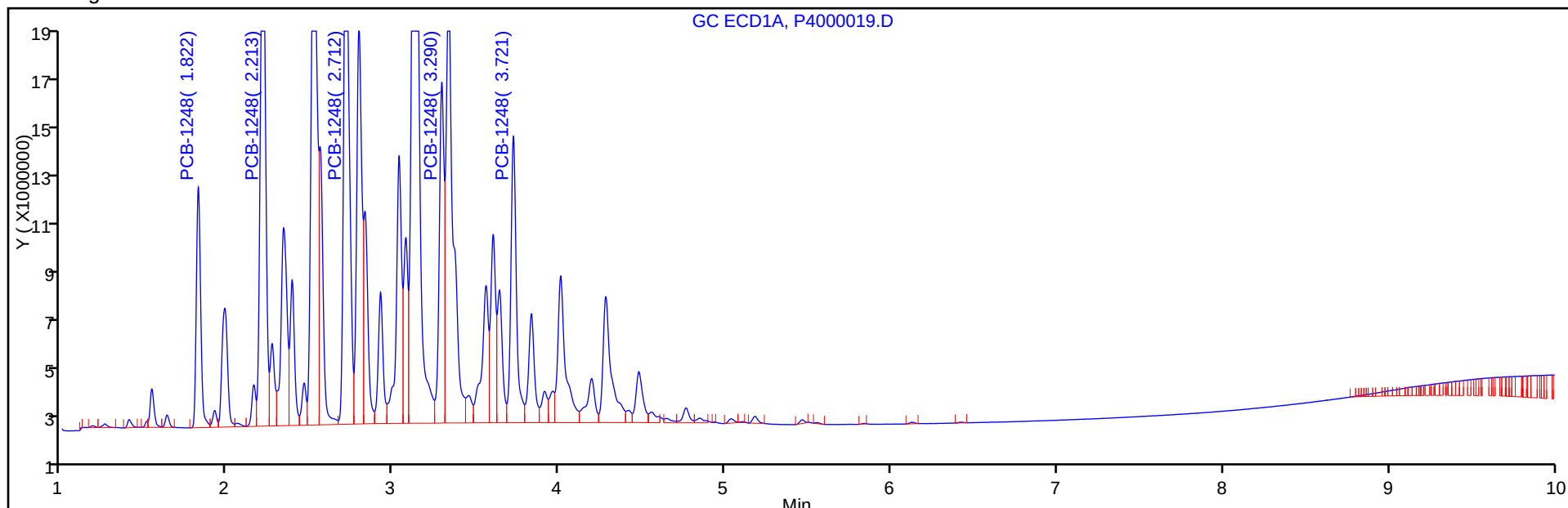
Operator ID:

Injection Vol: 1.0 ul

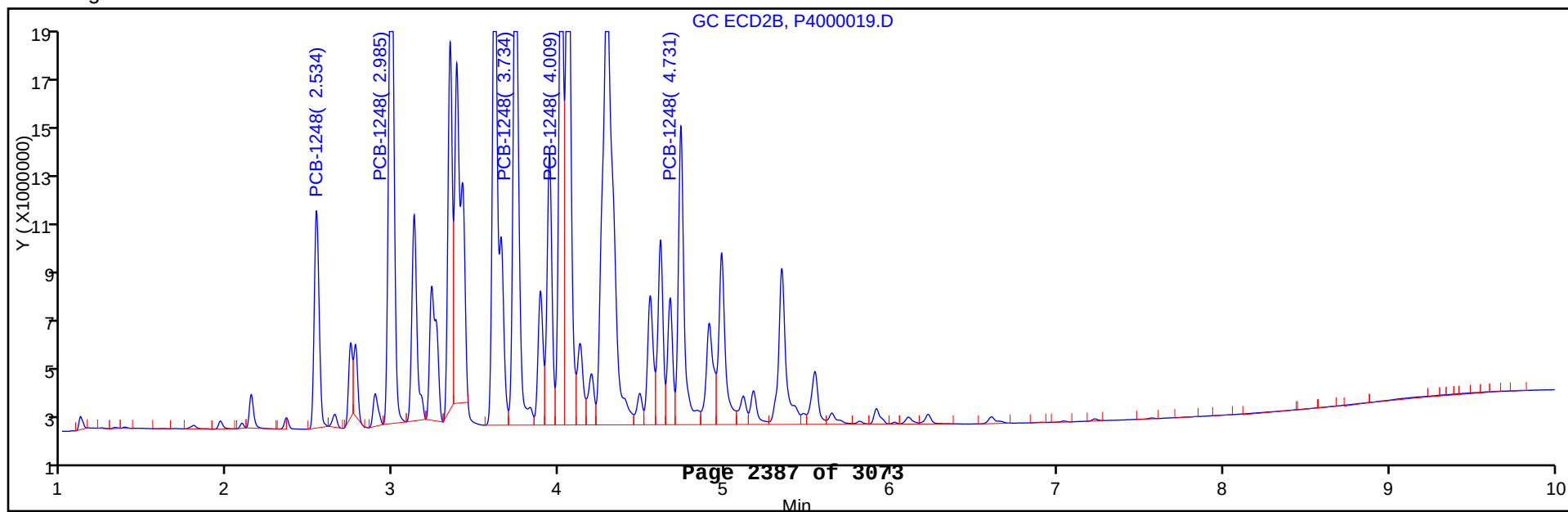
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000020.D
 Lims ID: STD2 1248 Client ID:
 Inject. Date: 15-Apr-2013 04:08:43 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 6
 Sample ID: 240-0018824-020
 Misc. Info.:
 Operator: Instrument ID: A2HP4
 Injection Vol: 1.0 ul ALS Bottle#: 20
 Lims Batch ID: 81761 Lims Sample ID: 20
 Sublist: chrom-PCB4*sub3
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\PCB4.m
 Last Update: 15-Apr-2013 13:04:58 Calib Date: 15-Apr-2013 10:24:45
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK026

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
7 PCB-1248									
1	86	1.822	1.821	0.001	34456808	1.71		100.0	
1	2	2.213	2.210	0.003	93506796	1.94	186.1- 236.1	271.4	
1	3	2.711	2.711	0.000	104150705	1.84	247.4- 297.4	302.3	
1	4	3.289	3.290	-0.001	57283059	2.02	106.3- 156.3	166.2	
1	5	3.721	3.721	0.000	55175962	2.01	103.3- 153.3	160.1	
Average of Peak Amounts =						1.90			
2	6	2.535	2.532	0.003	35364911	1.72		100.0	
2	7	2.985	2.982	0.003	98612004	1.89	215.2- 275.2	278.8	
2	8	3.734	3.733	0.001	97746731	1.82	225.9- 285.9	276.4	
2	9	4.010	4.008	0.002	86926943	1.95	178.4- 238.4	245.8	
2	10	4.730	4.730	0.000	57129707	1.94	97.2- 157.2	161.5	
Average of Peak Amounts =						1.86			
RPD = 2.16									

Report Date: 15-Apr-2013 13:04:59

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000020.D

Injection Date: 15-Apr-2013 04:08:43

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP4

Lims Batch ID: 81761

Lims Sample ID: 20

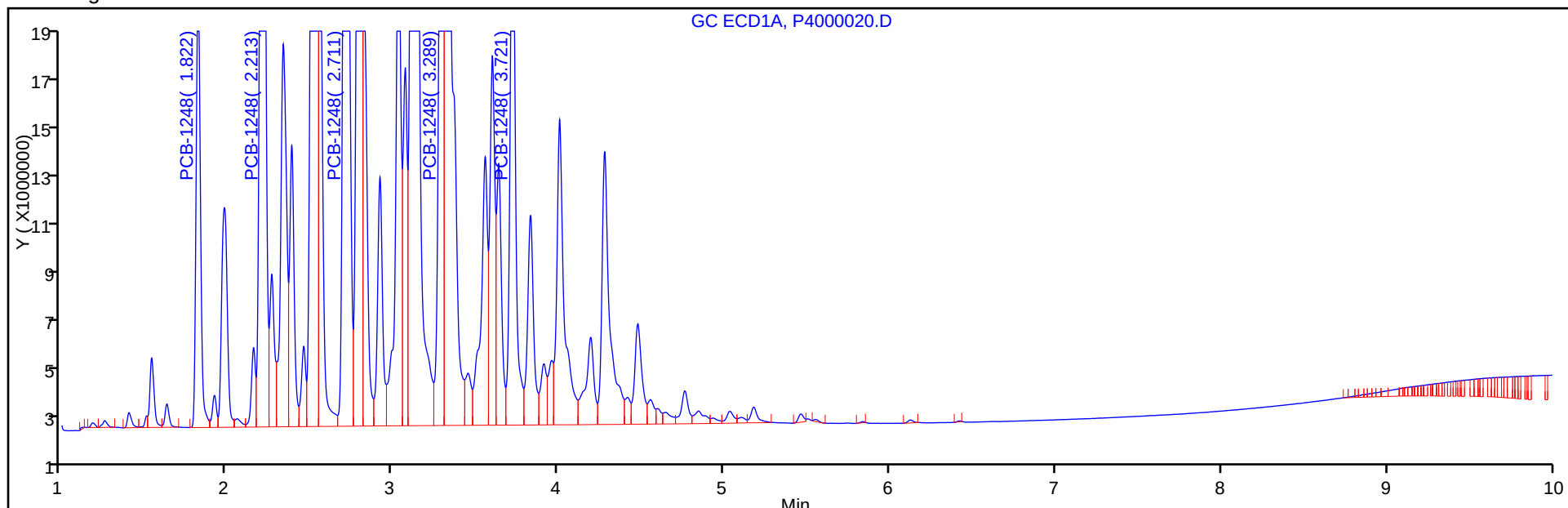
Operator ID:

Injection Vol: 1.0 ul

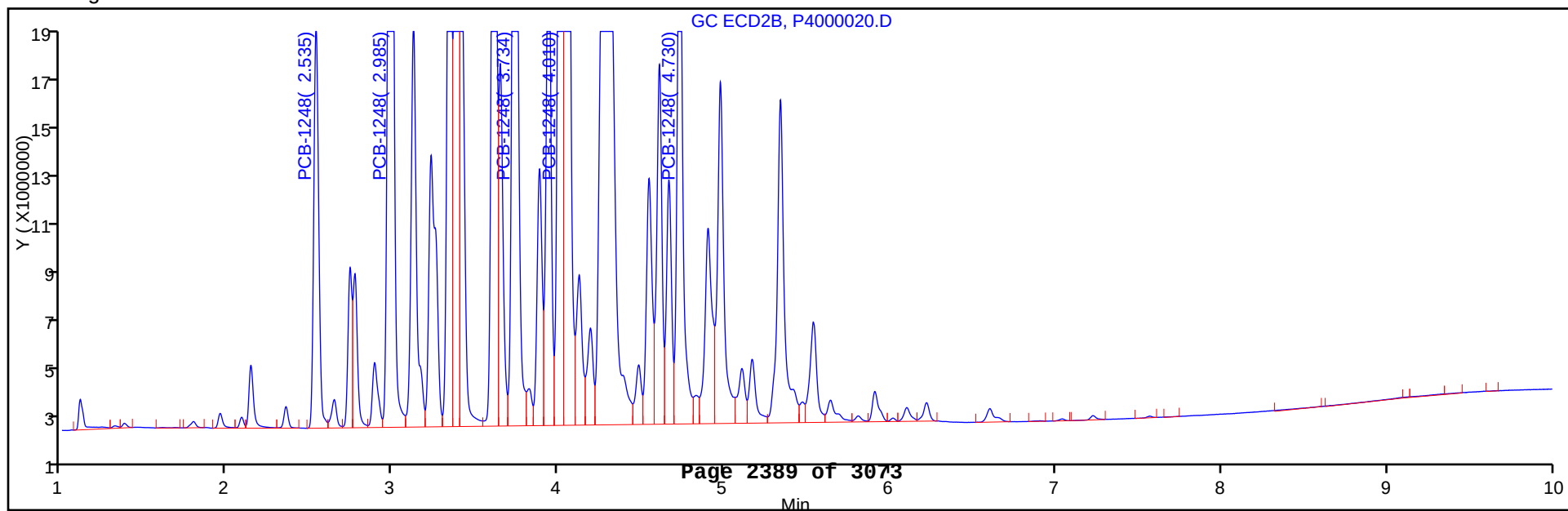
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22852-1 Analy Batch No.: 81761

SDG No.: _____

Instrument ID: A2HP4 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/15/2013 02:50 Calibration End Date: 04/15/2013 04:08 Calibration ID: 14522

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-81761/15	P4000015.D
Level 2	STD01 240-81761/16	P4000016.D
Level 3	STD02 240-81761/17	P4000017.D
Level 4	STD05 240-81761/18	P4000018.D
Level 5	STD1 240-81761/19	P4000019.D
Level 6	STD2 240-81761/20	P4000020.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
PCB-1248 Peak 1	2.532	2.534	2.534	2.535	2.534	2.535					2.432 - 2.632	2.534
PCB-1248 Peak 2	2.982	2.984	2.985	2.985	2.985	2.985					2.882 - 3.082	2.984
PCB-1248 Peak 3	3.733	3.734	3.735	3.735	3.734	3.734					3.633 - 3.833	3.734
PCB-1248 Peak 4	4.008	4.009	4.010	4.010	4.009	4.010					3.908 - 4.108	4.009
PCB-1248 Peak 5	4.730	4.731	4.731	4.730	4.731	4.730					4.630 - 4.830	4.731

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-22852-1 Analy Batch No.: 81761

SDG No.: _____

Instrument ID: A2HP4 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/15/2013 02:50 Calibration End Date: 04/15/2013 04:08 Calibration ID: 14522

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-81761/15	P4000015.D
Level 2	STD01 240-81761/16	P4000016.D
Level 3	STD02 240-81761/17	P4000017.D
Level 4	STD05 240-81761/18	P4000018.D
Level 5	STD1 240-81761/19	P4000019.D
Level 6	STD2 240-81761/20	P4000020.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								
PCB-1248 Peak 1	23917140 18739596	22569000 17682456	21303025	19097876	Ave		20551515.4				12.0		20.0			
PCB-1248 Peak 2	57855280 49805139	55024410 49306002	52243935	49287076	Ave		52253640.3				6.8		20.0			
PCB-1248 Peak 3	58692040 52292345	56531240 48873366	54514805	50737092	Ave		53606814.6				6.9		20.0			
PCB-1248 Peak 4	47422700 44182167	46200690 43463472	44390570	42191750	Ave		44641891.4				4.2		20.0			
PCB-1248 Peak 5	29394800 30966185	30847870 28564854	27086840	29960956	Ave		29470250.8				5.0		20.0			

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

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-22852-1 Analy Batch No.: 81761

SDG No.: _____

Instrument ID: A2HP4 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/15/2013 02:50 Calibration End Date: 04/15/2013 04:08 Calibration ID: 14522

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-81761/15	P4000015.D
Level 2	STD01 240-81761/16	P4000016.D
Level 3	STD02 240-81761/17	P4000017.D
Level 4	STD05 240-81761/18	P4000018.D
Level 5	STD1 240-81761/19	P4000019.D
Level 6	STD2 240-81761/20	P4000020.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1248 Peak 1	Ave	1195857 35364911	2256900	4260605	9548938	18739596	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1248 Peak 2	Ave	2892764 98612004	5502441	10448787	24643538	49805139	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1248 Peak 3	Ave	2934602 97746731	5653124	10902961	25368546	52292345	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1248 Peak 4	Ave	2371135 86926943	4620069	8878114	21095875	44182167	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1248 Peak 5	Ave	1469740 57129707	3084787	5417368	14980478	30966185	0.0500 2.00	0.100	0.200	0.500	1.00

Curve Type Legend:

Ave = Average

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000015.D
 Lims ID: STD005 1248 Client ID:
 Inject. Date: 15-Apr-2013 02:50:20 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 1
 Sample ID: 240-0018824-015
 Misc. Info.:
 Operator: Instrument ID: A2HP4
 Injection Vol: 1.0 ul ALS Bottle#: 15
 Lims Batch ID: 81761 Lims Sample ID: 15
 Sublist: chrom-PCB4*sub3
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\PCB4.m
 Last Update: 15-Apr-2013 13:04:51 Calib Date: 15-Apr-2013 10:24:45
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK026

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
7 PCB-1248									
1	86	1.821	1.821	0.000	1140422	0.0566		100.0	
1	2	2.210	2.210	0.000	2459103	0.0511	186.1- 236.1	215.6	
1	3	2.711	2.711	0.000	3137261	0.0554	247.4- 297.4	275.1	
1	4	3.290	3.290	0.000	1418883	0.0501	106.3- 156.3	124.4	
1	5	3.721	3.721	0.000	1304448	0.0475	103.3- 153.3	114.4	
Average of Peak Amounts =						0.0521			
2	6	2.532	2.532	0.000	1195857	0.0582		100.0	
2	7	2.982	2.982	0.000	2892764	0.0554	215.2- 275.2	241.9	
2	8	3.733	3.733	0.000	2934602	0.0547	225.9- 285.9	245.4	
2	9	4.008	4.008	0.000	2371135	0.0531	178.4- 238.4	198.3	
2	10	4.730	4.730	0.000	1469740	0.0499	97.2- 157.2	122.9	
Average of Peak Amounts =						0.0543			
RPD = 4.02									

Report Date: 15-Apr-2013 13:04:52

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000015.D

Injection Date: 15-Apr-2013 02:50:20

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP4

Lims Batch ID: 81761

Lims Sample ID: 15

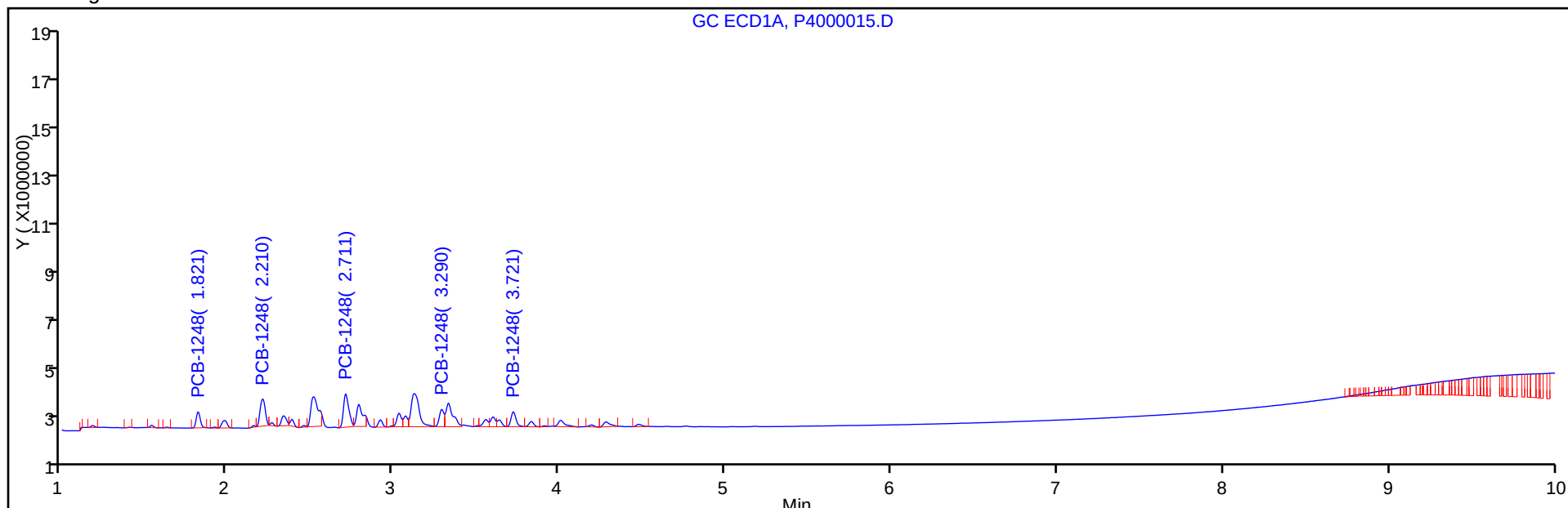
Operator ID:

Injection Vol: 1.0 ul

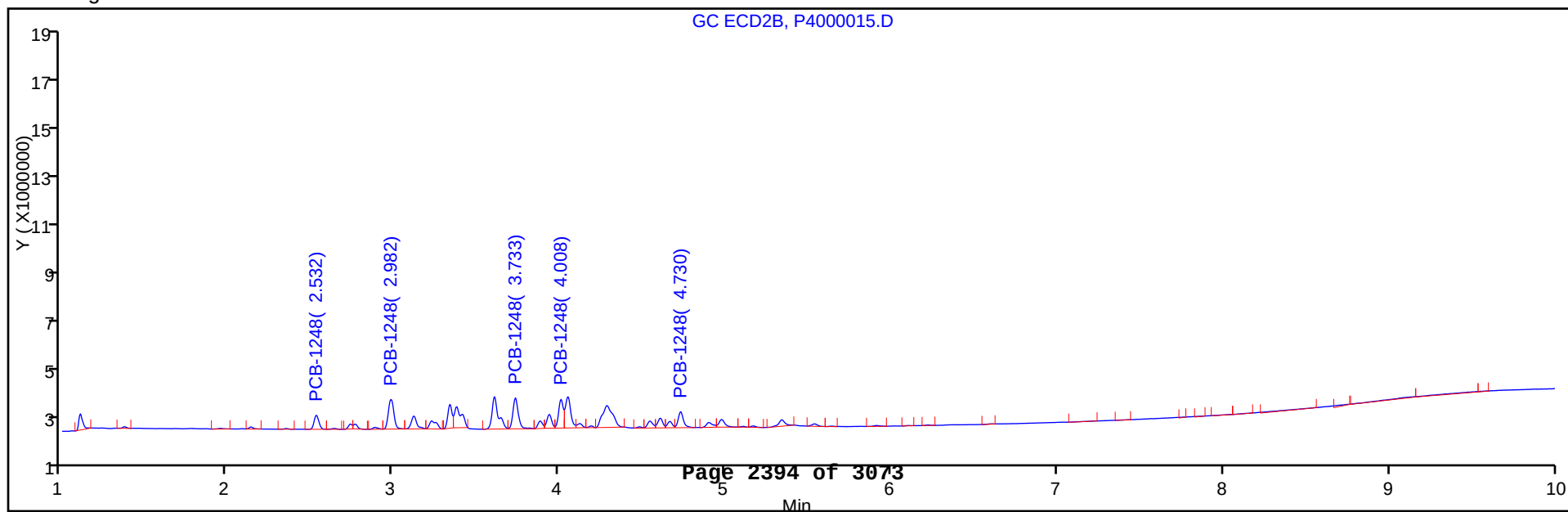
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000016.D
 Lims ID: STD01 1248 Client ID:
 Inject. Date: 15-Apr-2013 03:06:00 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 2
 Sample ID: 240-0018824-016
 Misc. Info.:
 Operator: Instrument ID: A2HP4
 Injection Vol: 1.0 ul ALS Bottle#: 16
 Lims Batch ID: 81761 Lims Sample ID: 16
 Sublist: chrom-PCB4*sub3
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\PCB4.m
 Last Update: 15-Apr-2013 13:04:52 Calib Date: 15-Apr-2013 10:24:45
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK026

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
7 PCB-1248									
1	86	1.821	1.821	0.000	2239648	0.1111		100.0	
1	2	2.212	2.210	0.002	5321407	0.1105	186.1- 236.1	237.6	
1	3	2.711	2.711	0.000	6027052	0.1064	247.4- 297.4	269.1	
1	4	3.289	3.290	-0.001	2888017	0.1020	106.3- 156.3	128.9	
1	5	3.723	3.721	0.002	2882330	0.1049	103.3- 153.3	128.7	
Average of Peak Amounts =						0.1070			
2	6	2.534	2.532	0.002	2256900	0.1098		100.0	
2	7	2.984	2.982	0.002	5502441	0.1053	215.2- 275.2	243.8	
2	8	3.734	3.733	0.001	5653124	0.1055	225.9- 285.9	250.5	
2	9	4.009	4.008	0.001	4620069	0.1035	178.4- 238.4	204.7	
2	10	4.731	4.730	0.001	3084787	0.1047	97.2- 157.2	136.7	
Average of Peak Amounts =						0.1057			
RPD = 1.15									

Report Date: 15-Apr-2013 13:04:53

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000016.D

Injection Date: 15-Apr-2013 03:06:00

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP4

Lims Batch ID: 81761

Lims Sample ID: 16

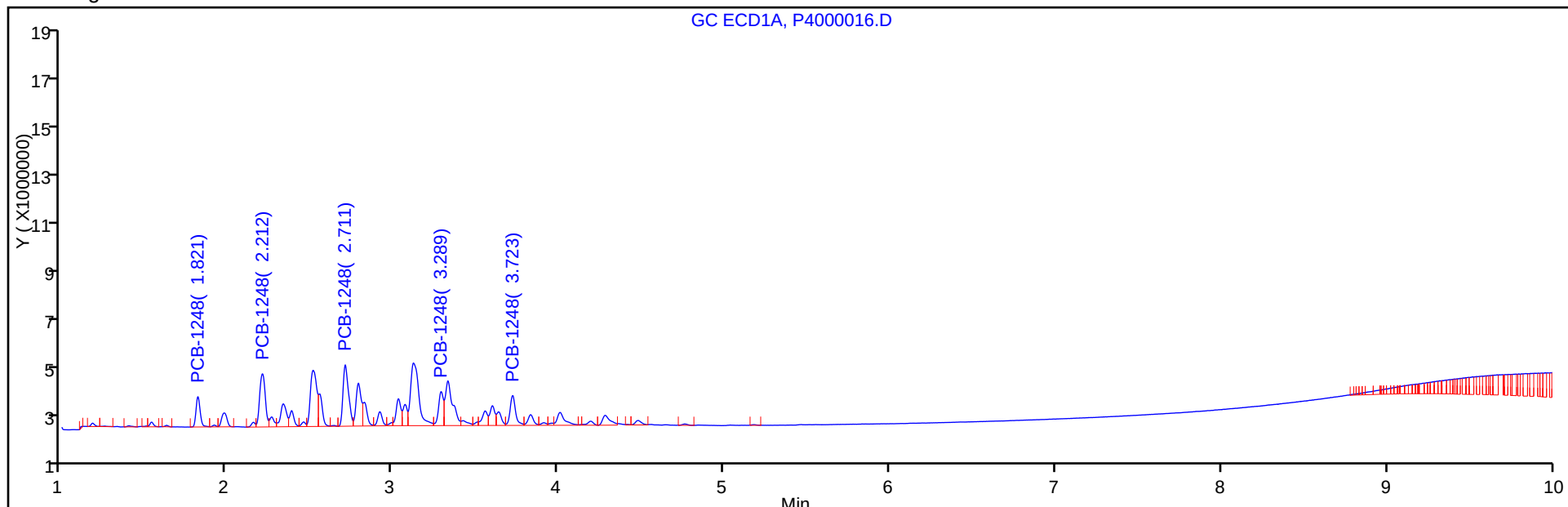
Operator ID:

Injection Vol: 1.0 ul

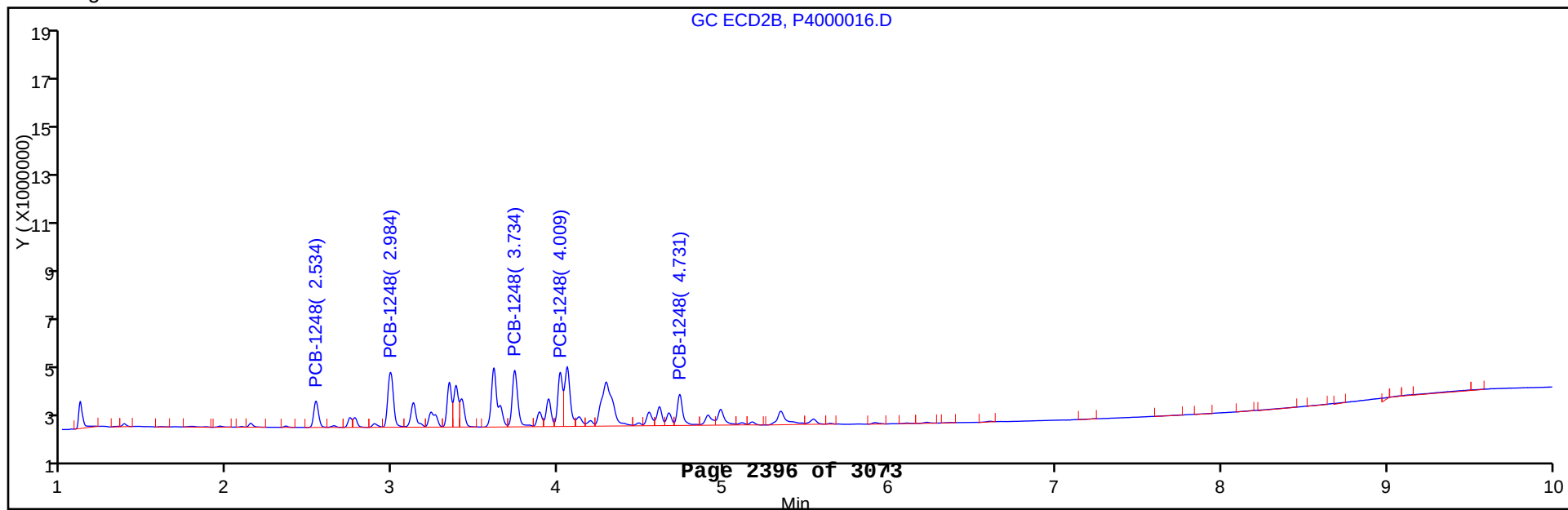
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000017.D
 Lims ID: STD02 1248 Client ID:
 Inject. Date: 15-Apr-2013 03:21:46 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 3
 Sample ID: 240-0018824-017
 Misc. Info.:
 Operator: Instrument ID: A2HP4
 Injection Vol: 1.0 ul ALS Bottle#: 17
 Lims Batch ID: 81761 Lims Sample ID: 17
 Sublist: chrom-PCB4*sub3
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\PCB4.m
 Last Update: 15-Apr-2013 13:04:54 Calib Date: 15-Apr-2013 10:24:45
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK026

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
7 PCB-1248									
1	86	1.823	1.821	0.002	4253008	0.2110		100.0	
1	2	2.213	2.210	0.003	8979940	0.1865	186.1- 236.1	211.1	
1	3	2.713	2.711	0.002	11584469	0.2046	247.4- 297.4	272.4	
1	4	3.290	3.290	0.000	5585369	0.1973	106.3- 156.3	131.3	
1	5	3.723	3.721	0.002	5458310	0.1986	103.3- 153.3	128.3	
Average of Peak Amounts =						0.1996			
2	6	2.534	2.532	0.002	4260605	0.2073		100.0	
2	7	2.985	2.982	0.003	10448787	0.2000	215.2- 275.2	245.2	
2	8	3.735	3.733	0.002	10902961	0.2034	225.9- 285.9	255.9	
2	9	4.010	4.008	0.002	8878114	0.1989	178.4- 238.4	208.4	
2	10	4.731	4.730	0.001	5417368	0.1838	97.2- 157.2	127.2	
Average of Peak Amounts =						0.1987			
						RPD = 0.45			

Report Date: 15-Apr-2013 13:04:55

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000017.D

Injection Date: 15-Apr-2013 03:21:46

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP4

Lims Batch ID: 81761

Lims Sample ID: 17

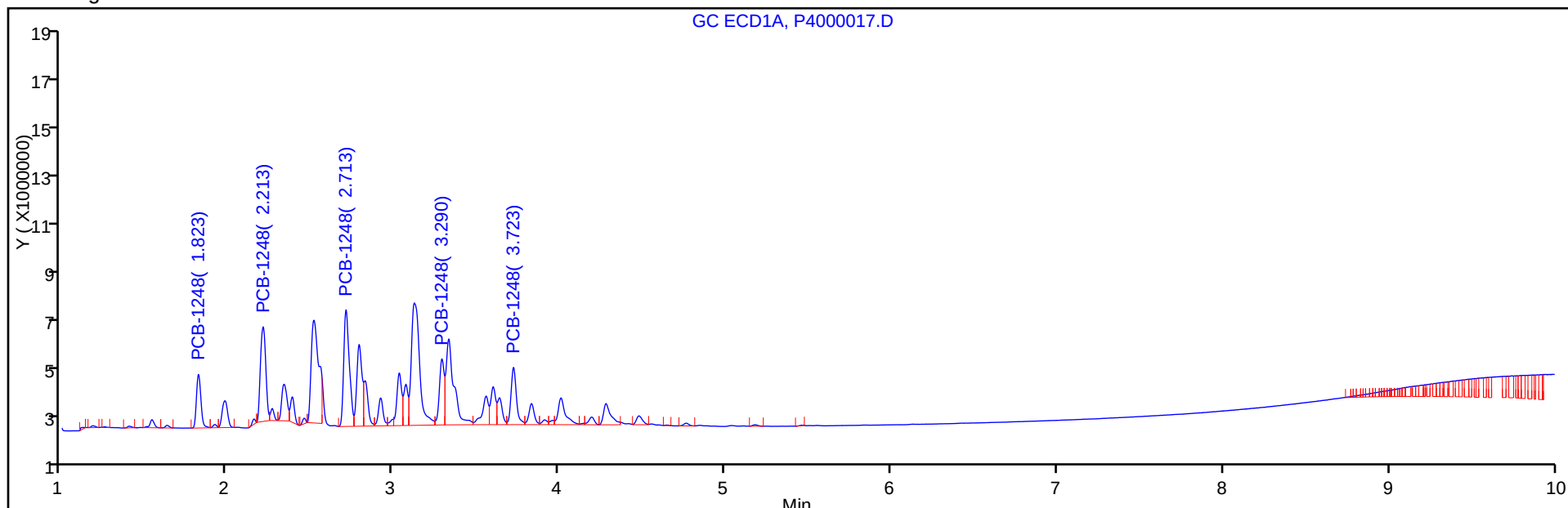
Operator ID:

Injection Vol: 1.0 ul

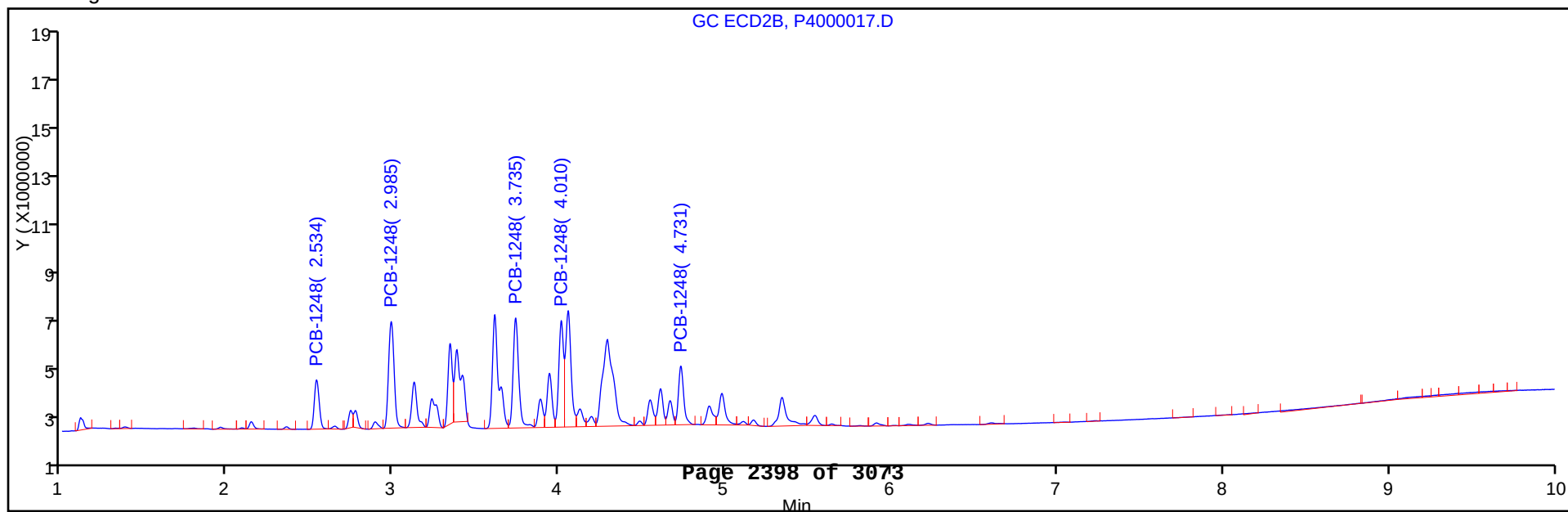
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000018.D
 Lims ID: STD05 1248 Client ID:
 Inject. Date: 15-Apr-2013 03:37:25 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 4
 Sample ID: 240-0018824-018
 Misc. Info.:
 Operator: Instrument ID: A2HP4
 Injection Vol: 1.0 ul ALS Bottle#: 18
 Lims Batch ID: 81761 Lims Sample ID: 18
 Sublist: chrom-PCB4*sub3
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\PCB4.m
 Last Update: 15-Apr-2013 13:04:55 Calib Date: 15-Apr-2013 10:24:45
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK026

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
7 PCB-1248									
1	86	1.822	1.821	0.001	9310306	0.4618		100.0	
1	2	2.212	2.210	0.002	23164108	0.4810	186.1- 236.1	248.8	
1	3	2.712	2.711	0.001	26105322	0.4610	247.4- 297.4	280.4	
1	4	3.290	3.290	0.000	13444021	0.4748	106.3- 156.3	144.4	
1	5	3.722	3.721	0.001	13518294	0.4918	103.3- 153.3	145.2	
Average of Peak Amounts =						0.4741			
2	6	2.535	2.532	0.003	9548938	0.4646		100.0	
2	7	2.985	2.982	0.003	24643538	0.4716	215.2- 275.2	258.1	
2	8	3.735	3.733	0.002	25368546	0.4732	225.9- 285.9	265.7	
2	9	4.010	4.008	0.002	21095875	0.4726	178.4- 238.4	220.9	
2	10	4.730	4.730	0.000	14980478	0.5083	97.2- 157.2	156.9	
Average of Peak Amounts =						0.4781			
						RPD = 0.84			

Report Date: 15-Apr-2013 13:04:56

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000018.D

Injection Date: 15-Apr-2013 03:37:25

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP4

Lims Batch ID: 81761

Lims Sample ID: 18

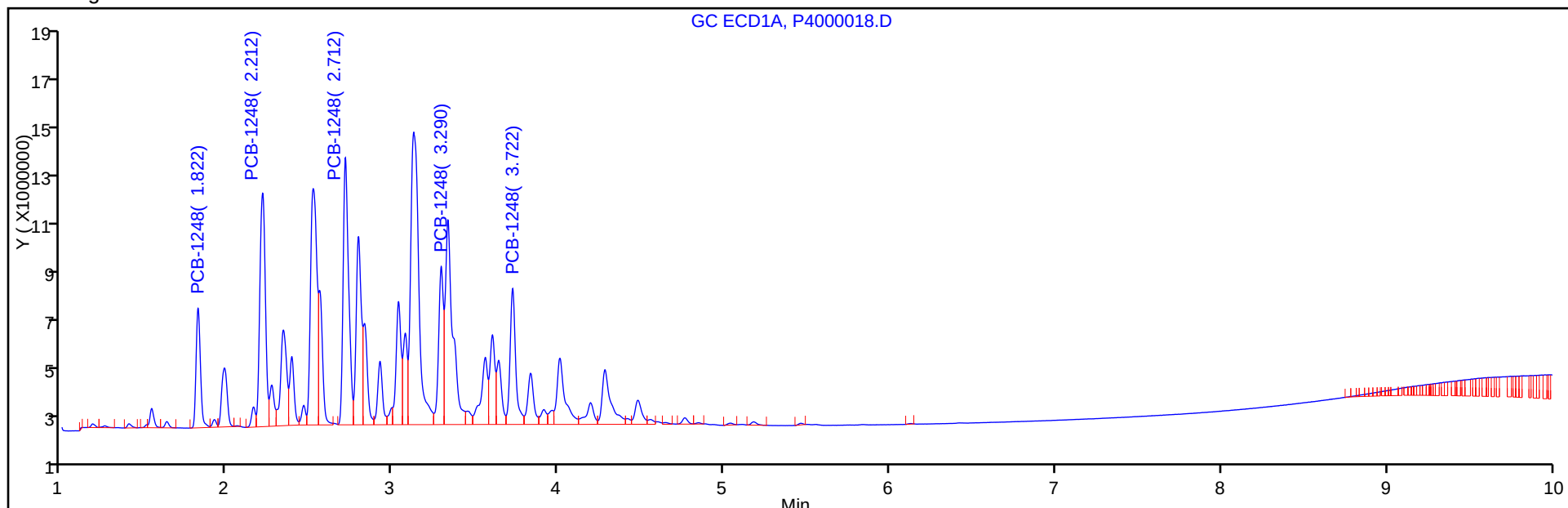
Operator ID:

Injection Vol: 1.0 ul

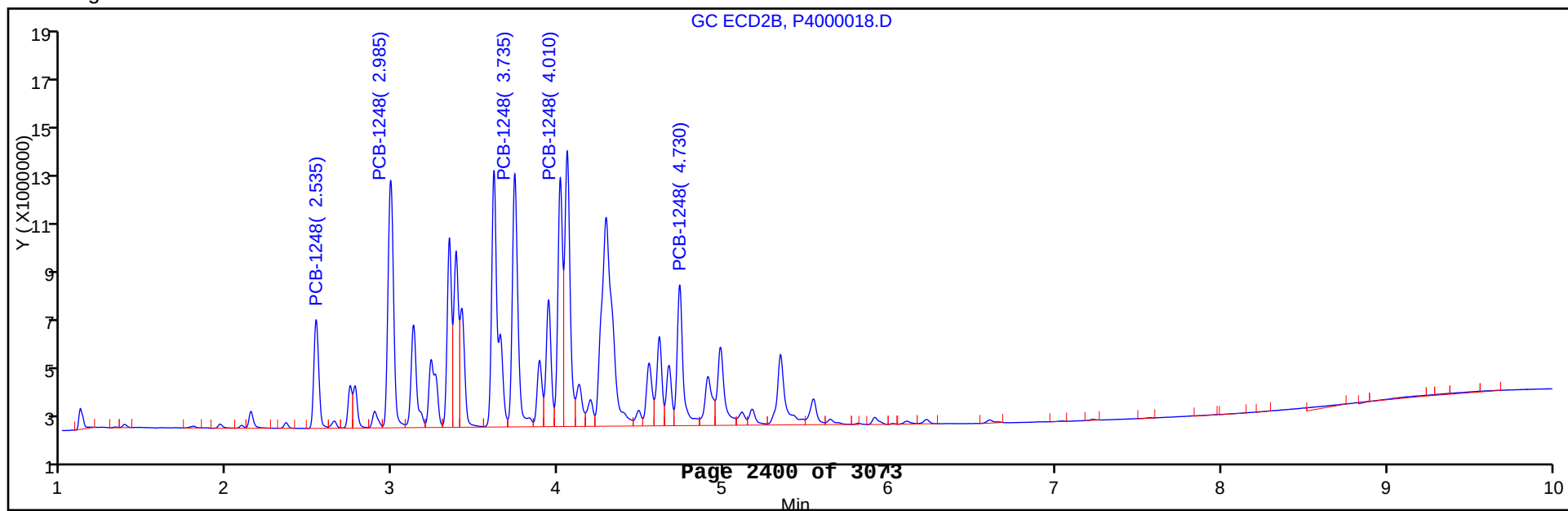
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000019.D
 Lims ID: STD1 1248 Client ID:
 Inject. Date: 15-Apr-2013 03:53:03 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 5
 Sample ID: 240-0018824-019
 Misc. Info.:
 Operator: Instrument ID: A2HP4
 Injection Vol: 1.0 ul ALS Bottle#: 19
 Lims Batch ID: 81761 Lims Sample ID: 19
 Sublist: chrom-PCB4*sub3
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\PCB4.m
 Last Update: 15-Apr-2013 13:04:56 Calib Date: 15-Apr-2013 10:24:45
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK026

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
7 PCB-1248									
1	86	1.822	1.821	0.001	18644528	0.9248		100.0	
1	2	2.213	2.210	0.003	48573249	1.01	186.1- 236.1	260.5	
1	3	2.712	2.711	0.001	54549073	0.9633	247.4- 297.4	292.6	
1	4	3.290	3.290	0.000	29177858	1.03	106.3- 156.3	156.5	
1	5	3.721	3.721	0.000	28094417	1.02	103.3- 153.3	150.7	
Average of Peak Amounts =						0.9898			
2	6	2.534	2.532	0.002	18739596	0.9118		100.0	
2	7	2.985	2.982	0.003	49805139	0.9531	215.2- 275.2	265.8	
2	8	3.734	3.733	0.001	52292345	0.9755	225.9- 285.9	279.0	
2	9	4.009	4.008	0.001	44182167	0.9897	178.4- 238.4	235.8	
2	10	4.731	4.730	0.001	30966185	1.05	97.2- 157.2	165.2	
Average of Peak Amounts =						0.9762			
RPD = 1.39									

Report Date: 15-Apr-2013 13:04:58

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000019.D

Injection Date: 15-Apr-2013 03:53:03

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP4

Lims Batch ID: 81761

Lims Sample ID: 19

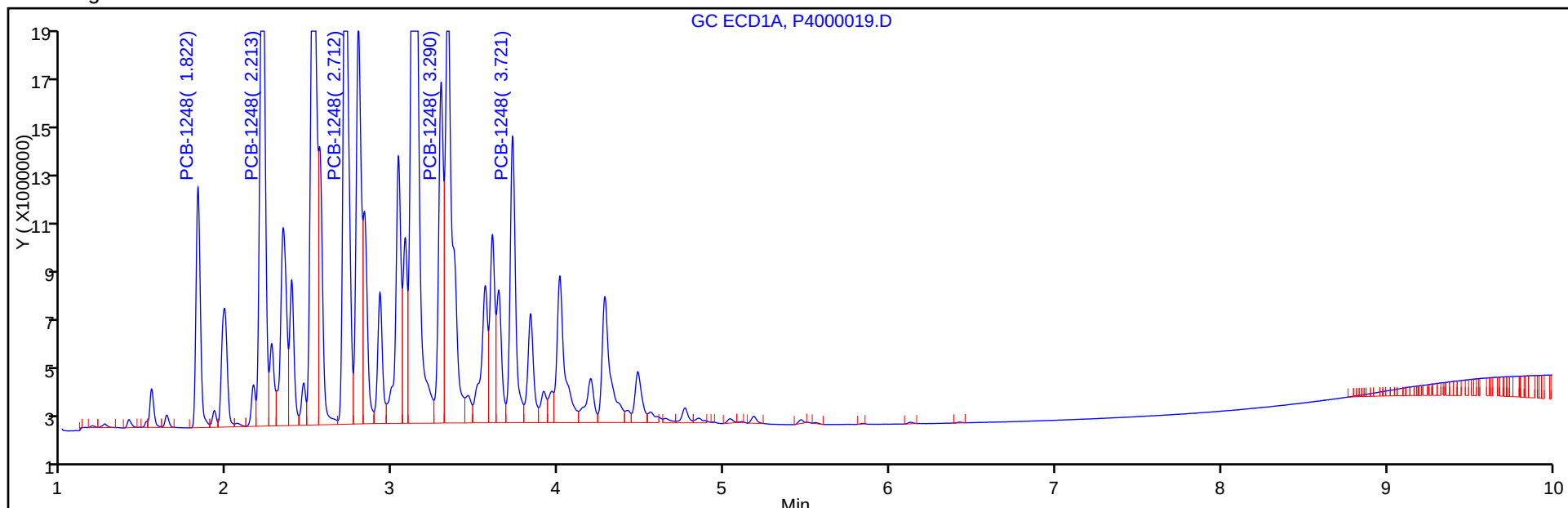
Operator ID:

Injection Vol: 1.0 ul

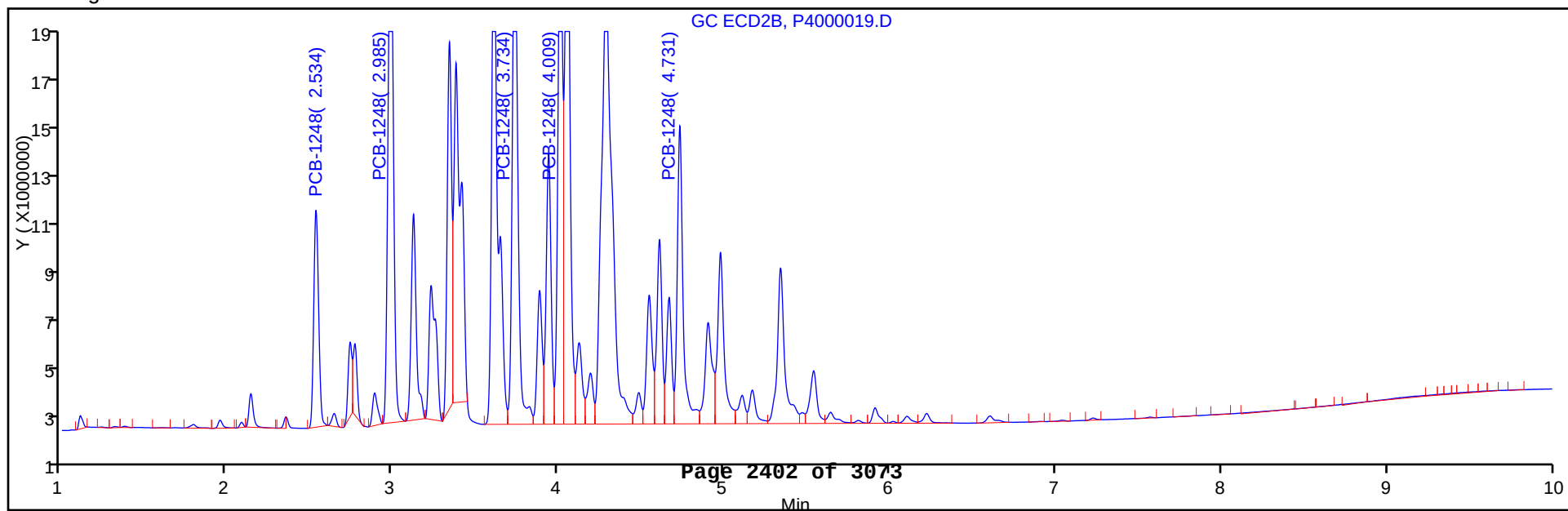
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000020.D
 Lims ID: STD2 1248 Client ID:
 Inject. Date: 15-Apr-2013 04:08:43 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 6
 Sample ID: 240-0018824-020
 Misc. Info.:
 Operator: Instrument ID: A2HP4
 Injection Vol: 1.0 ul ALS Bottle#: 20
 Lims Batch ID: 81761 Lims Sample ID: 20
 Sublist: chrom-PCB4*sub3
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\PCB4.m
 Last Update: 15-Apr-2013 13:04:58 Calib Date: 15-Apr-2013 10:24:45
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK026

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
7 PCB-1248									
1	86	1.822	1.821	0.001	34456808	1.71		100.0	
1	2	2.213	2.210	0.003	93506796	1.94	186.1- 236.1	271.4	
1	3	2.711	2.711	0.000	104150705	1.84	247.4- 297.4	302.3	
1	4	3.289	3.290	-0.001	57283059	2.02	106.3- 156.3	166.2	
1	5	3.721	3.721	0.000	55175962	2.01	103.3- 153.3	160.1	
		Average of Peak Amounts =				1.90			
2	6	2.535	2.532	0.003	35364911	1.72		100.0	
2	7	2.985	2.982	0.003	98612004	1.89	215.2- 275.2	278.8	
2	8	3.734	3.733	0.001	97746731	1.82	225.9- 285.9	276.4	
2	9	4.010	4.008	0.002	86926943	1.95	178.4- 238.4	245.8	
2	10	4.730	4.730	0.000	57129707	1.94	97.2- 157.2	161.5	
		Average of Peak Amounts =				1.86			

RPD = 2.16

Report Date: 15-Apr-2013 13:04:59

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000020.D

Injection Date: 15-Apr-2013 04:08:43

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP4

Lims Batch ID: 81761

Lims Sample ID: 20

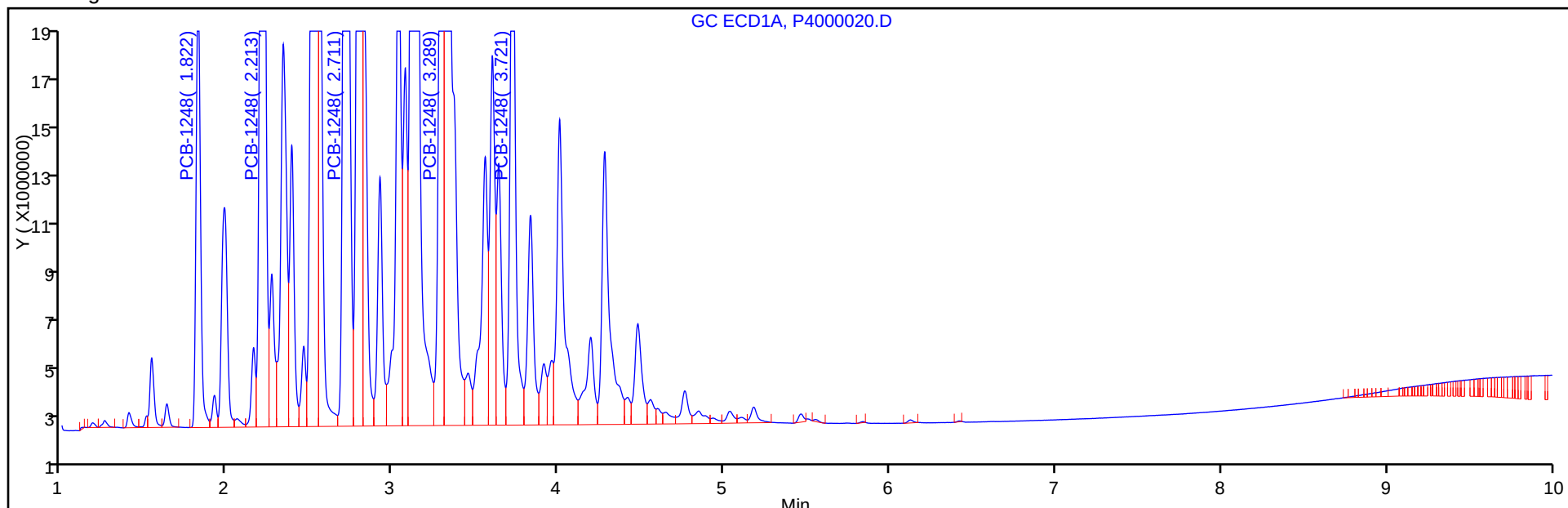
Operator ID:

Injection Vol: 1.0 ul

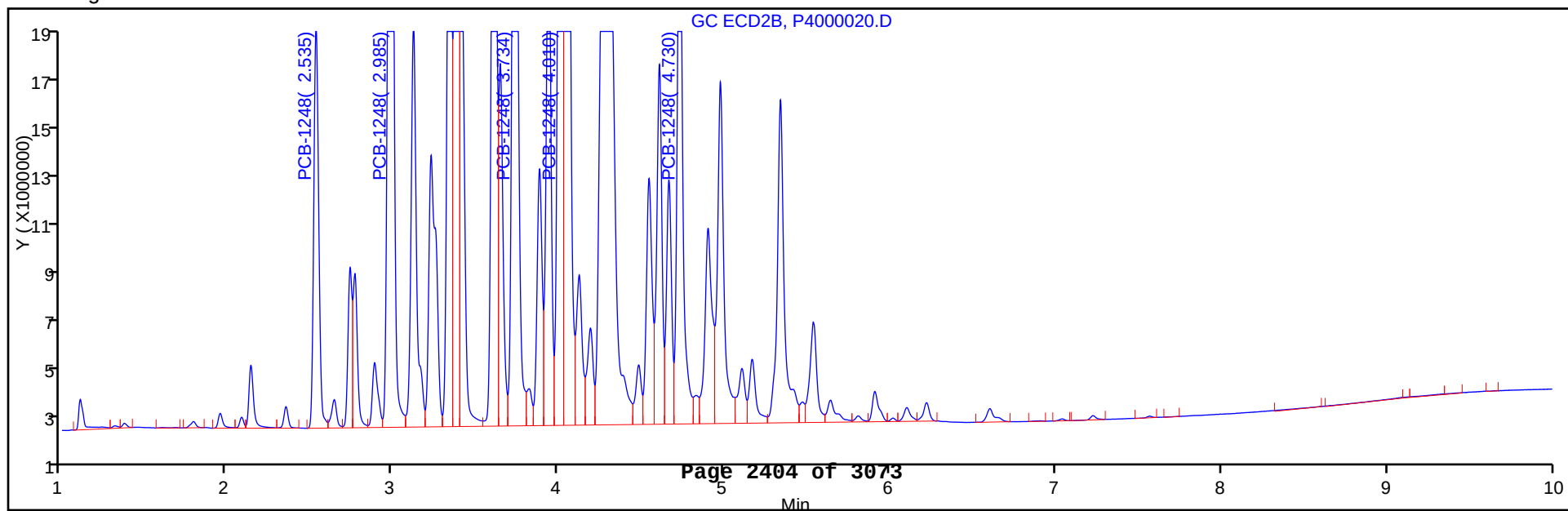
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22852-1 Analy Batch No.: 81761

SDG No.: _____

Instrument ID: A2HP4 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/15/2013 04:24 Calibration End Date: 04/15/2013 05:42 Calibration ID: 14527

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-81761/21	P4000021.D
Level 2	STD01 240-81761/22	P4000022.D
Level 3	STD02 240-81761/23	P4000023.D
Level 4	STD05 240-81761/24	P4000024.D
Level 5	STD1 240-81761/25	P4000025.D
Level 6	STD2 240-81761/26	P4000026.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
PCB-1221 Peak 1	1.404	1.401	1.402	1.402	1.403	1.403					1.304 - 1.504	1.403
PCB-1221 Peak 2	1.511	1.511	1.510	1.511	1.511	1.511					1.411 - 1.611	1.511
PCB-1221 Peak 3	1.541	1.540	1.540	1.541	1.541	1.541					1.441 - 1.641	1.541
PCB-1254 Peak 1	3.335	3.335	3.335	3.335	3.335	3.335					3.235 - 3.435	3.335
PCB-1254 Peak 2	3.722	3.722	3.722	3.721	3.721	3.721					3.622 - 3.822	3.722
PCB-1254 Peak 3	4.007	4.007	4.007	4.006	4.005	4.005					3.907 - 4.107	4.006
PCB-1254 Peak 4	4.195	4.194	4.195	4.193	4.195	4.194					4.095 - 4.295	4.194
PCB-1254 Peak 5	4.479	4.479	4.478	4.478	4.477	4.478					4.379 - 4.579	4.478

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-22852-1 Analy Batch No.: 81761

SDG No.: _____

Instrument ID: A2HP4 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/15/2013 04:24 Calibration End Date: 04/15/2013 05:42 Calibration ID: 14527

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-81761/21	P4000021.D
Level 2	STD01 240-81761/22	P4000022.D
Level 3	STD02 240-81761/23	P4000023.D
Level 4	STD05 240-81761/24	P4000024.D
Level 5	STD1 240-81761/25	P4000025.D
Level 6	STD2 240-81761/26	P4000026.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								
PCB-1221 Peak 1	17021840 13260162	16192760 12496710	15682655	14570638	Ave		14870794.1				12.0		20.0			
PCB-1221 Peak 2	7700840 6152280	7990270 6224292	8821450	7444392	Ave		7388920.58				14.0		20.0			
PCB-1221 Peak 3	43223440 33644031	39678690 30942849	38669645	36561128	Ave		37119963.8				12.0		20.0			
PCB-1254 Peak 1	83963640 76899037	79073140 74862077	79784890	74667868	Ave		78208442.0				4.5		20.0			
PCB-1254 Peak 2	89477120 83814263	82499650 84594059	85488115	82747898	Ave		84770184.1				3.0		20.0			
PCB-1254 Peak 3	53338060 57787834	53401540 59127342	54320220	52502420	Ave		55079569.3				4.9		20.0			
PCB-1254 Peak 4	58013560 53046855	55867510 52235566	54778575	51746084	Ave		54281358.3				4.4		20.0			
PCB-1254 Peak 5	81195800 77456000	78334920 77946398	78652135	76708032	Ave		78382214.1				2.0		20.0			

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

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-22852-1 Analy Batch No.: 81761

SDG No.: _____

Instrument ID: A2HP4 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/15/2013 04:24 Calibration End Date: 04/15/2013 05:42 Calibration ID: 14527

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-81761/21	P4000021.D
Level 2	STD01 240-81761/22	P4000022.D
Level 3	STD02 240-81761/23	P4000023.D
Level 4	STD05 240-81761/24	P4000024.D
Level 5	STD1 240-81761/25	P4000025.D
Level 6	STD2 240-81761/26	P4000026.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1221 Peak 1	Ave	851092 24993419	1619276	3136531	7285319	13260162	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1221 Peak 2	Ave	385042 12448583	799027	1764290	3722196	6152280	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1221 Peak 3	Ave	2161172 61885697	3967869	7733929	18280564	33644031	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1254 Peak 1	Ave	4198182 149724154	7907314	15956978	37333934	76899037	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1254 Peak 2	Ave	4473856 169188117	8249965	17097623	41373949	83814263	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1254 Peak 3	Ave	2666903 118254683	5340154	10864044	26251210	57787834	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1254 Peak 4	Ave	2900678 104471131	5586751	10955715	25873042	53046855	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1254 Peak 5	Ave	4059790 155892795	7833492	15730427	38354016	77456000	0.0500 2.00	0.100	0.200	0.500	1.00

Curve Type Legend:

Ave = Average

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000021.D
 Lims ID: STD005 AR2154 Client ID:
 Inject. Date: 15-Apr-2013 04:24:26 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 1
 Sample ID: 240-0018824-021
 Misc. Info.:
 Operator: Instrument ID: A2HP4
 Injection Vol: 1.0 ul ALS Bottle#: 21
 Lims Batch ID: 81761 Lims Sample ID: 21
 Sublist: chrom-PCB4*sub4
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\PCB4.m
 Last Update: 15-Apr-2013 13:04:59 Calib Date: 15-Apr-2013 10:24:45
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK026

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

3 PCB-1221

1	2	1.404	1.404	0.000	851092	0.0572		100.0	
1	3	1.511	1.511	0.000	385042	0.0521	31.2- 81.2	45.2	
1	4	1.541	1.541	0.000	2161172	0.0582	221.6- 271.6	253.9	
Average of Peak Amounts =						0.0559			
2	4	1.955	1.955	0.000	874303	0.0578		100.0	
2	5	2.085	2.085	0.000	546250	0.0572	34.7- 94.7	62.5	
2	6	2.141	2.141	0.000	2026207	0.0572	206.7- 266.7	231.8	
Average of Peak Amounts =						0.0574			
						RPD = 2.74			

8 PCB-1254

1	100	3.335	3.335	0.000	4198182	0.0537		100.0	
1	2	3.722	3.722	0.000	4473856	0.0528	82.1- 132.1	106.6	
1	3	4.007	4.007	0.000	2666903	0.0484	43.1- 93.1	63.5	
1	4	4.195	4.195	0.000	2900678	0.0534	43.7- 93.7	69.1	
1	5	4.479	4.479	0.000	4059790	0.0518	73.6- 123.6	96.7	
Average of Peak Amounts =						0.0520			
2	6	4.255	4.255	0.000	3103301	0.0542		100.0	
2	7	4.732	4.732	0.000	4870192	0.0536	125.6- 185.6	156.9	
2	8	4.979	4.979	0.000	2862470	0.0520	62.4- 122.4	92.2	
2	9	5.338	5.338	0.000	2098494	0.0814	43.9- 103.9	67.6	
2	10	5.540	5.540	0.000	4554233	0.0532	115.2- 175.2	146.8	
Average of Peak Amounts =						0.0589			
						RPD = 12.39			

Report Date: 15-Apr-2013 13:05:01

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000021.D

Injection Date: 15-Apr-2013 04:24:26

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP4

Lims Batch ID: 81761

Lims Sample ID: 21

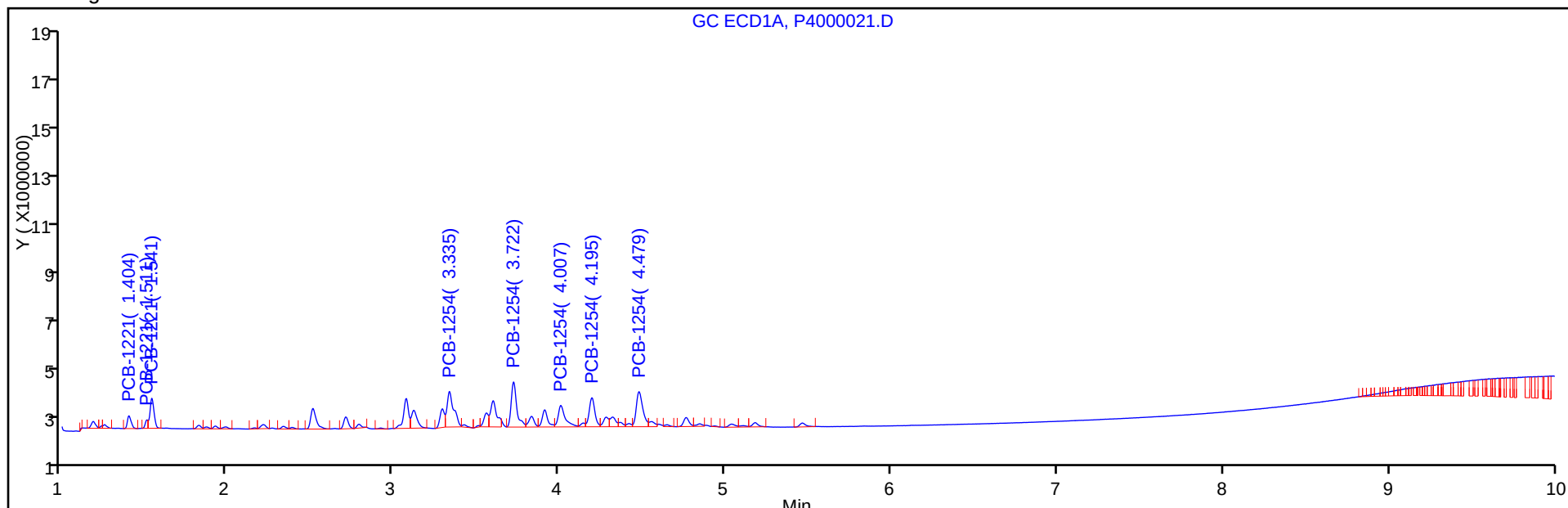
Operator ID:

Injection Vol: 1.0 ul

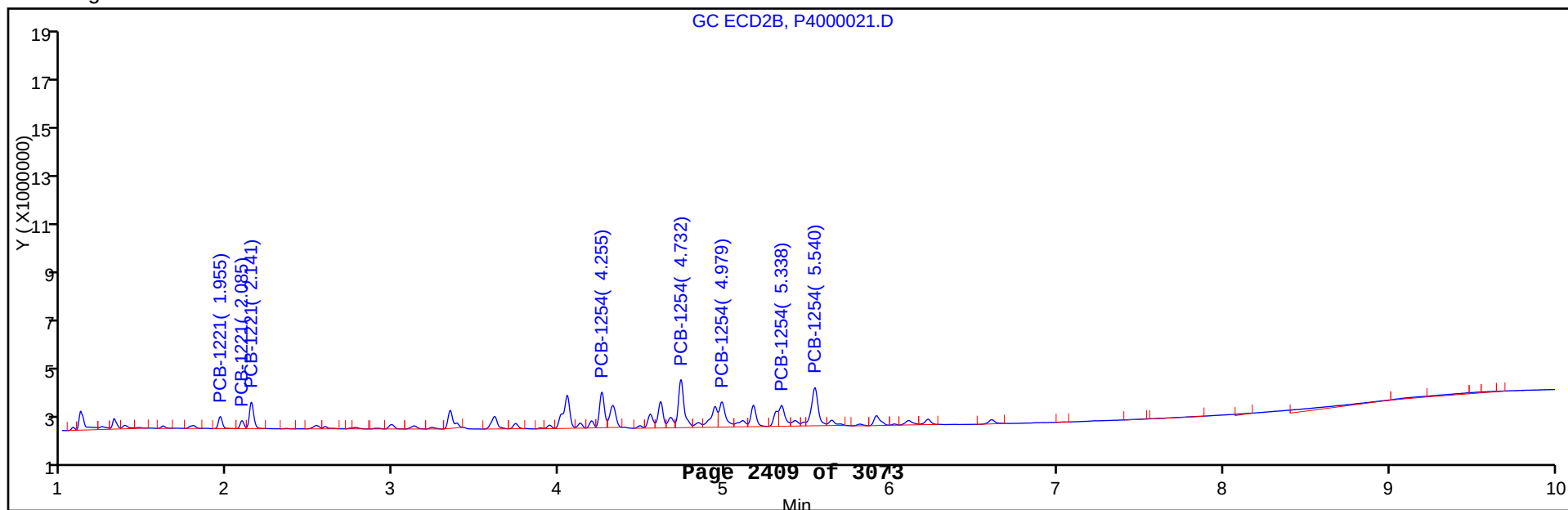
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000022.D
 Lims ID: STD01 AR2154 Client ID:
 Inject. Date: 15-Apr-2013 04:40:05 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 2
 Sample ID: 240-0018824-022
 Misc. Info.:
 Operator: Instrument ID: A2HP4
 Injection Vol: 1.0 ul ALS Bottle#: 22
 Lims Batch ID: 81761 Lims Sample ID: 22
 Sublist: chrom-PCB4*sub4
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\PCB4.m
 Last Update: 15-Apr-2013 13:05:01 Calib Date: 15-Apr-2013 10:24:45
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK026

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
3 PCB-1221									
1	2	1.401	1.404	-0.003	1619276	0.1089		100.0	
1	3	1.511	1.511	0.000	799027	0.1081	31.2- 81.2	49.3	
1	4	1.540	1.541	-0.001	3967869	0.1069	221.6- 271.6	245.0	
Average of Peak Amounts =						0.1080			
2	4	1.952	1.955	-0.003	1682193	0.1112		100.0	
2	5	2.084	2.085	-0.001	1075432	0.1126	34.7- 94.7	63.9	
2	6	2.141	2.141	0.000	3936102	0.1112	206.7- 266.7	234.0	
Average of Peak Amounts =						0.1117			
						RPD = 3.36			
8 PCB-1254									
1	100	3.335	3.335	0.000	7907314	0.1011		100.0	
1	2	3.722	3.722	0.000	8249965	0.0973	82.1- 132.1	104.3	
1	3	4.007	4.007	0.000	5340154	0.0970	43.1- 93.1	67.5	
1	4	4.194	4.195	-0.001	5586751	0.1029	43.7- 93.7	70.7	
1	5	4.479	4.479	0.000	7833492	0.0999	73.6- 123.6	99.1	
Average of Peak Amounts =						0.0996			
2	6	4.254	4.255	-0.001	5963614	0.1042		100.0	
2	7	4.731	4.732	-0.001	9220808	0.1016	125.6- 185.6	154.6	
2	8	4.977	4.979	-0.002	5499628	0.0998	62.4- 122.4	92.2	
2	9	5.338	5.338	0.000	4281190	0.1181	43.9- 103.9	71.8	
2	10	5.539	5.540	-0.001	8675784	0.1014	115.2- 175.2	145.5	
Average of Peak Amounts =						0.1050			
						RPD = 5.24			

Report Date: 15-Apr-2013 13:05:03

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000022.D

Injection Date: 15-Apr-2013 04:40:05

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP4

Lims Batch ID: 81761

Lims Sample ID: 22

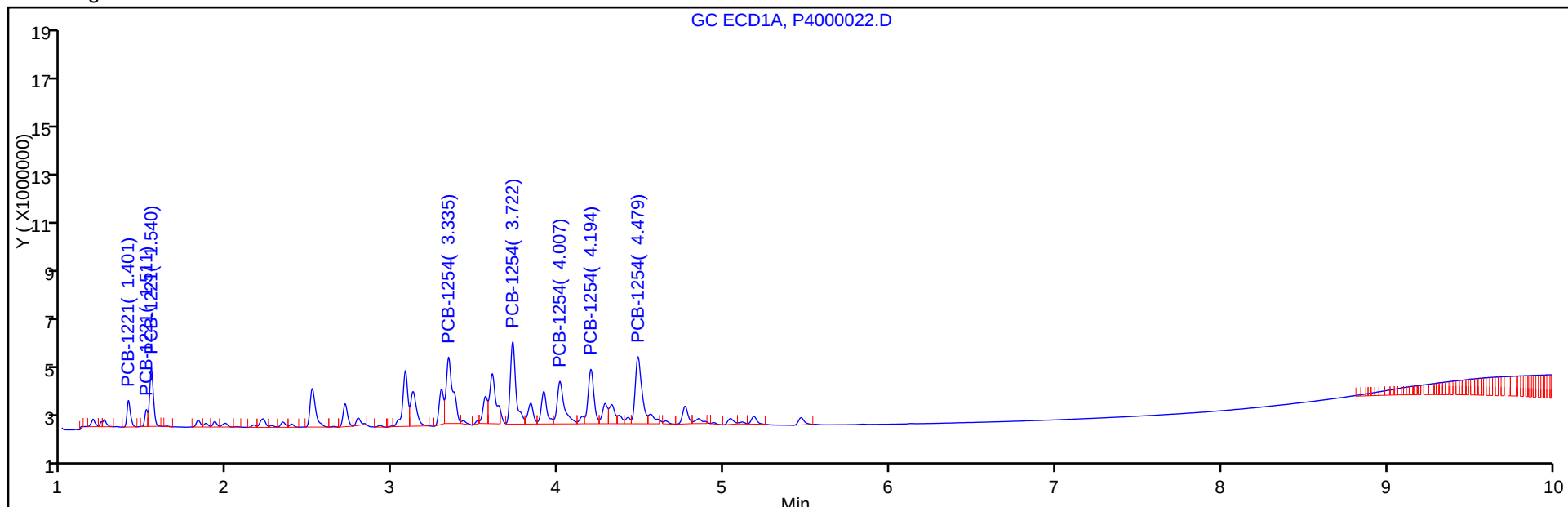
Operator ID:

Injection Vol: 1.0 ul

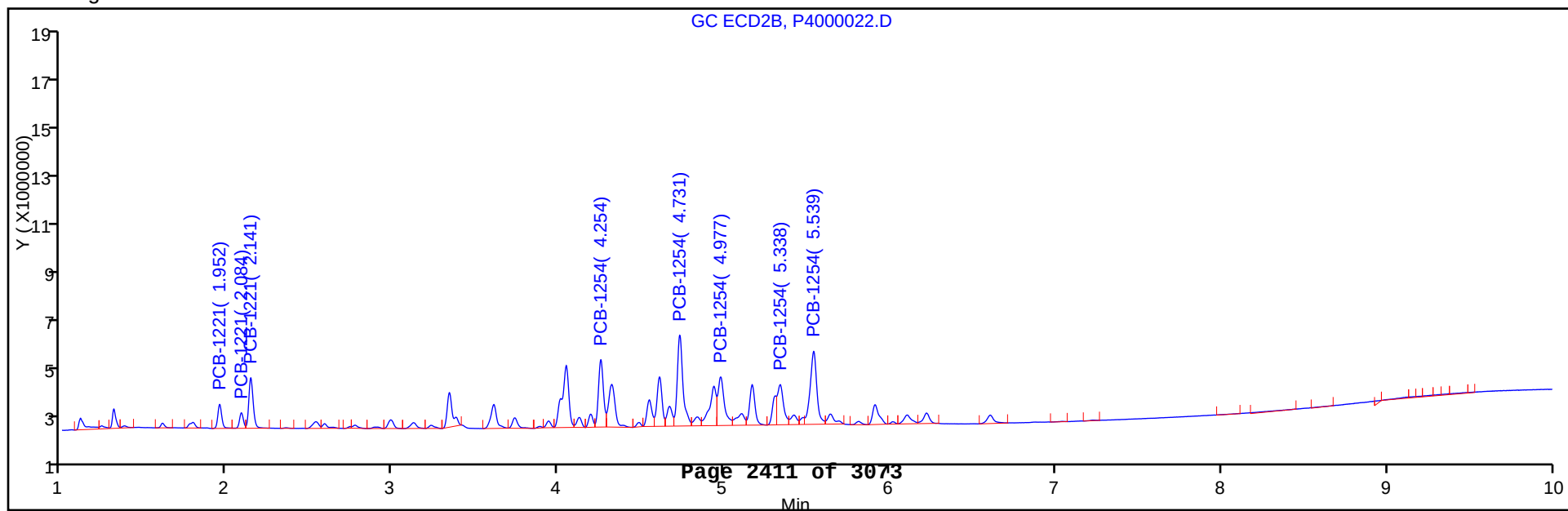
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000023.D
 Lims ID: STD02 AR2154 Client ID:
 Inject. Date: 15-Apr-2013 04:55:43 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 3
 Sample ID: 240-0018824-023
 Misc. Info.:
 Operator: Instrument ID: A2HP4
 Injection Vol: 1.0 ul ALS Bottle#: 23
 Lims Batch ID: 81761 Lims Sample ID: 23
 Sublist: chrom-PCB4*sub4
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\PCB4.m
 Last Update: 15-Apr-2013 13:05:04 Calib Date: 15-Apr-2013 10:24:45
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK026

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

3 PCB-1221

1	2	1.402	1.404	-0.002	3136531	0.2109		100.0	
1	3	1.510	1.511	-0.001	1764290	0.2388	31.2- 81.2	56.2	
1	4	1.540	1.541	-0.001	7733929	0.2083	221.6- 271.6	246.6	
Average of Peak Amounts =						0.2193			
2	4	1.952	1.955	-0.003	3152041	0.2084		100.0	
2	5	2.084	2.085	-0.001	2039945	0.2135	34.7- 94.7	64.7	
2	6	2.140	2.141	-0.001	7461432	0.2108	206.7- 266.7	236.7	
Average of Peak Amounts =						0.2109			
RPD = 3.92									

8 PCB-1254

1	100	3.335	3.335	0.000	15956978	0.2040		100.0	
1	2	3.722	3.722	0.000	17097623	0.2017	82.1- 132.1	107.1	
1	3	4.007	4.007	0.000	10864044	0.1972	43.1- 93.1	68.1	
1	4	4.195	4.195	0.000	10955715	0.2018	43.7- 93.7	68.7	
1	5	4.478	4.479	-0.001	15730427	0.2007	73.6- 123.6	98.6	
Average of Peak Amounts =						0.2011			
2	6	4.254	4.255	-0.001	11658931	0.2037		100.0	
2	7	4.730	4.732	-0.002	18138908	0.1998	125.6- 185.6	155.6	
2	8	4.978	4.979	-0.001	10777360	0.1956	62.4- 122.4	92.4	
2	9	5.336	5.338	-0.002	8613255	0.1903	43.9- 103.9	73.9	
2	10	5.539	5.540	-0.001	16930884	0.1979	115.2- 175.2	145.2	
Average of Peak Amounts =						0.1974			
RPD = 1.83									

Report Date: 15-Apr-2013 13:05:06

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000023.D

Injection Date: 15-Apr-2013 04:55:43

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP4

Lims Batch ID: 81761

Lims Sample ID: 23

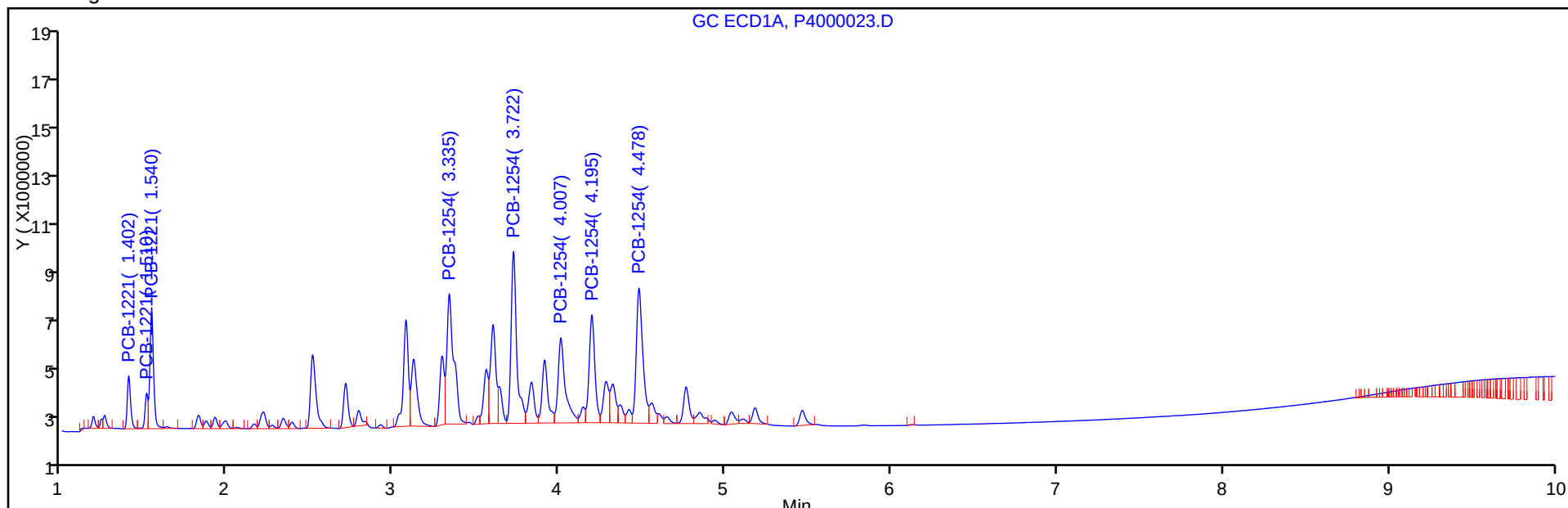
Operator ID:

Injection Vol: 1.0 ul

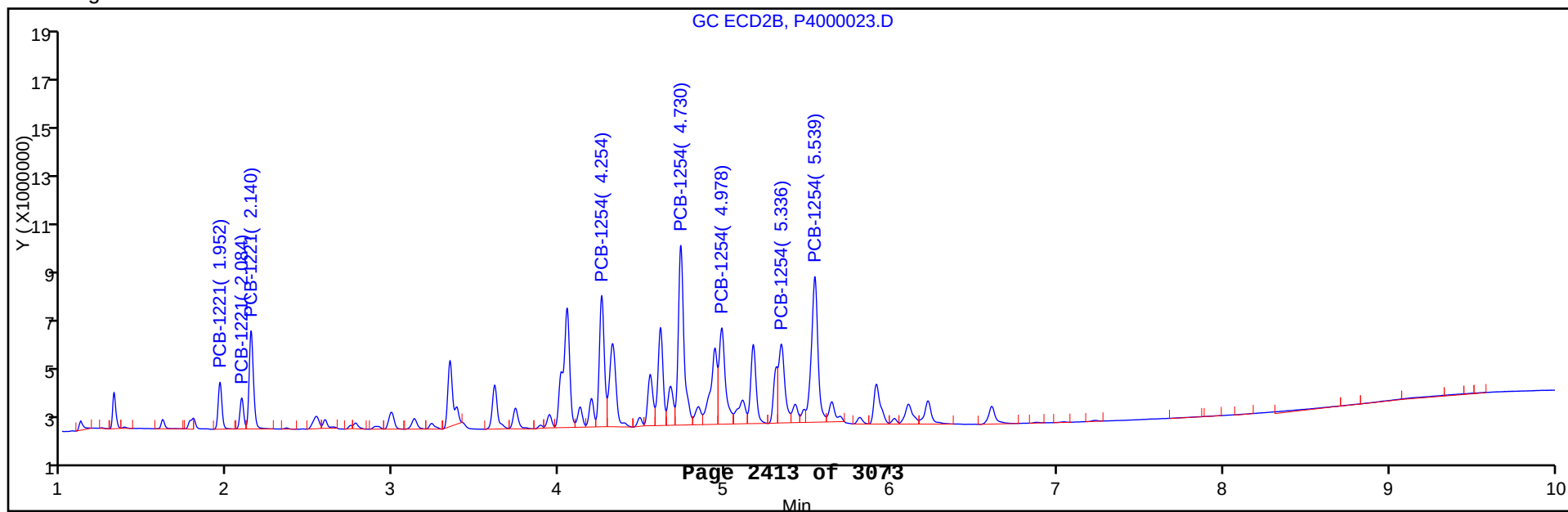
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000024.D
 Lims ID: STD05 AR2154 Client ID:
 Inject. Date: 15-Apr-2013 05:11:24 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 4
 Sample ID: 240-0018824-024
 Misc. Info.:
 Operator: Instrument ID: A2HP4
 Injection Vol: 1.0 ul ALS Bottle#: 24
 Lims Batch ID: 81761 Lims Sample ID: 24
 Sublist: chrom-PCB4*sub4
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\PCB4.m
 Last Update: 15-Apr-2013 13:05:06 Calib Date: 15-Apr-2013 10:24:45
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK026

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
3 PCB-1221									
1	2	1.402	1.404	-0.002	7285319	0.4899		100.0	
1	3	1.511	1.511	0.000	3722196	0.5038	31.2- 81.2	51.1	
1	4	1.541	1.541	0.000	18280564	0.4925	221.6- 271.6	250.9	
Average of Peak Amounts =						0.4954			
2	4	1.952	1.955	-0.003	7373385	0.4875		100.0	
2	5	2.084	2.085	-0.001	4790967	0.5015	34.7- 94.7	65.0	
2	6	2.141	2.141	0.000	17611272	0.4975	206.7- 266.7	238.8	
Average of Peak Amounts =						0.4955			
						RPD = 0.03			
8 PCB-1254									
1	100	3.335	3.335	0.000	37333934	0.4774		100.0	
1	2	3.721	3.722	-0.001	41373949	0.4881	82.1- 132.1	110.8	
1	3	4.006	4.007	-0.001	26251210	0.4766	43.1- 93.1	70.3	
1	4	4.193	4.195	-0.002	25873042	0.4766	43.7- 93.7	69.3	
1	5	4.478	4.479	-0.001	38354016	0.4893	73.6- 123.6	102.7	
Average of Peak Amounts =						0.4816			
2	6	4.254	4.255	-0.001	28094080	0.4907		100.0	
2	7	4.731	4.732	-0.001	44975584	0.4954	125.6- 185.6	160.1	
2	8	4.976	4.979	-0.003	27072454	0.4914	62.4- 122.4	96.4	
2	9	5.336	5.338	-0.002	21744667	0.4050	43.9- 103.9	77.4	
2	10	5.539	5.540	-0.001	41851973	0.4892	115.2- 175.2	149.0	
Average of Peak Amounts =						0.4743			
						RPD = 1.52			

Report Date: 15-Apr-2013 13:05:07

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000024.D

Injection Date: 15-Apr-2013 05:11:24

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP4

Lims Batch ID: 81761

Lims Sample ID: 24

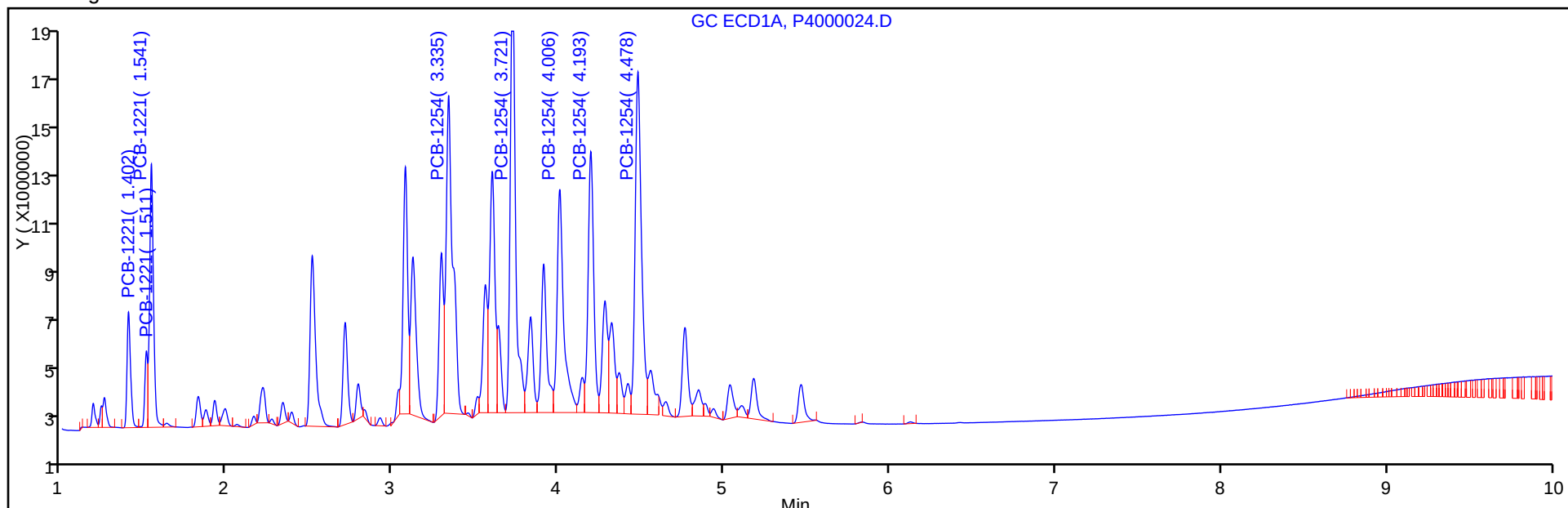
Operator ID:

Injection Vol: 1.0 ul

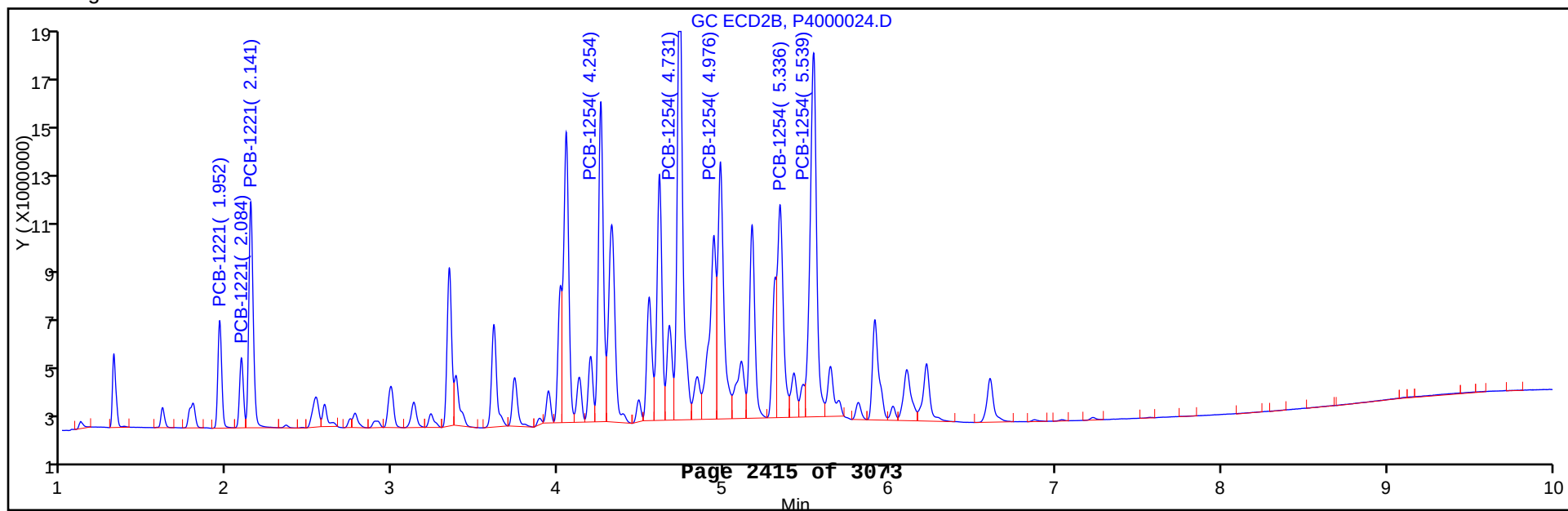
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000025.D
 Lims ID: STD1 AR2154 Client ID:
 Inject. Date: 15-Apr-2013 05:27:07 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 5
 Sample ID: 240-0018824-025
 Misc. Info.:
 Operator: Instrument ID: A2HP4
 Injection Vol: 1.0 ul ALS Bottle#: 25
 Lims Batch ID: 81761 Lims Sample ID: 25
 Sublist: chrom-PCB4*sub4
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\PCB4.m
 Last Update: 15-Apr-2013 13:05:08 Calib Date: 15-Apr-2013 10:24:45
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK026

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
3 PCB-1221									
1	2	1.403	1.404	-0.001	13260162	0.8917		100.0	
1	3	1.511	1.511	0.000	6152280	0.8326	31.2- 81.2	46.4	
1	4	1.541	1.541	0.000	33644031	0.9064	221.6- 271.6	253.7	
Average of Peak Amounts =						0.8769			
2	4	1.954	1.955	-0.001	13354678	0.8830		100.0	
2	5	2.085	2.085	0.000	8507932	0.8905	34.7- 94.7	63.7	
2	6	2.141	2.141	0.000	31671337	0.8947	206.7- 266.7	237.2	
Average of Peak Amounts =						0.8894			
						RPD = 1.42			
8 PCB-1254									
1	100	3.335	3.335	0.000	76899037	0.9833		100.0	
1	2	3.721	3.722	-0.001	83814263	0.9887	82.1- 132.1	109.0	
1	3	4.005	4.007	-0.002	57787834	1.05	43.1- 93.1	75.1	
1	4	4.195	4.195	0.000	53046855	0.9773	43.7- 93.7	69.0	
1	5	4.477	4.479	-0.002	77456000	0.9882	73.6- 123.6	100.7	
Average of Peak Amounts =						1.00			
2	6	4.254	4.255	-0.001	54190142	0.9466		100.0	
2	7	4.731	4.732	-0.001	87952848	0.9687	125.6- 185.6	162.3	
2	8	4.976	4.979	-0.003	54756328	0.99	62.4- 122.4	101.0	
2	9	5.336	5.338	-0.002	64395799	1.06	43.9- 103.9	118.8	
2	10	5.539	5.540	-0.001	83743405	0.9788	115.2- 175.2	154.5	
Average of Peak Amounts =						0.99			
						RPD = 0.70			

Report Date: 15-Apr-2013 13:05:09

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000025.D

Injection Date: 15-Apr-2013 05:27:07

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP4

Lims Batch ID: 81761

Lims Sample ID: 25

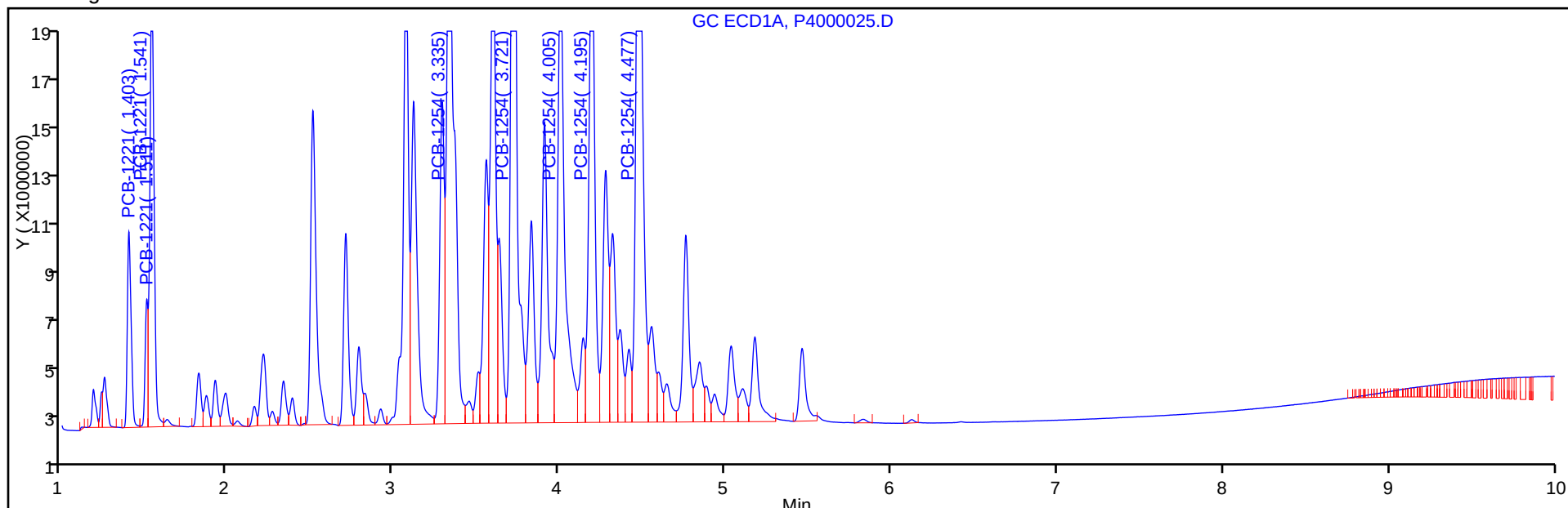
Operator ID:

Injection Vol: 1.0 ul

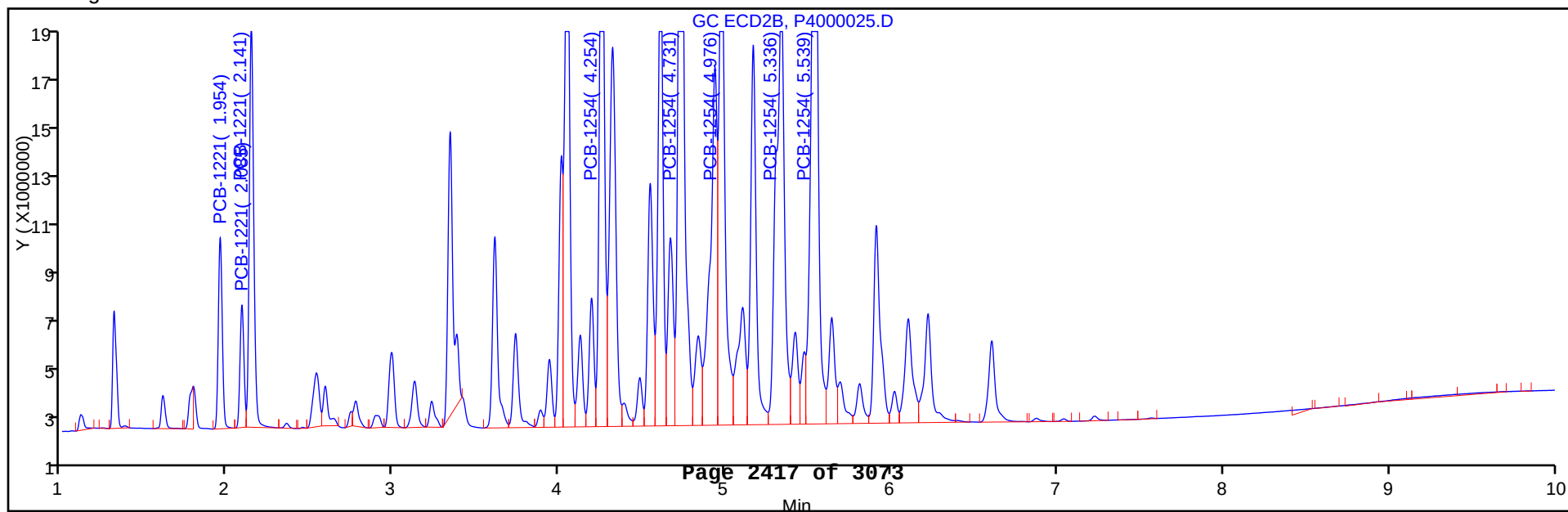
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000026.D
 Lims ID: STD2 AR2154 Client ID:
 Inject. Date: 15-Apr-2013 05:42:42 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 6
 Sample ID: 240-0018824-026
 Misc. Info.:
 Operator: Instrument ID: A2HP4
 Injection Vol: 1.0 ul ALS Bottle#: 26
 Lims Batch ID: 81761 Lims Sample ID: 26
 Sublist: chrom-PCB4*sub4
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\PCB4.m
 Last Update: 15-Apr-2013 13:05:10 Calib Date: 15-Apr-2013 10:24:45
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK026

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

3 PCB-1221

1	2	1.403	1.404	-0.001	24993419	1.68		100.0	
1	3	1.511	1.511	0.000	12448583	1.68	31.2- 81.2	49.8	
1	4	1.541	1.541	0.000	61885697	1.67	221.6- 271.6	247.6	
Average of Peak Amounts =						1.68			
2	4	1.954	1.955	-0.001	25146718	1.66		100.0	
2	5	2.084	2.085	-0.001	14711325	1.54	34.7- 94.7	58.5	
2	6	2.141	2.141	0.000	56597648	1.60	206.7- 266.7	225.1	
Average of Peak Amounts =						1.60			
RPD = 4.70									

8 PCB-1254

1	100	3.335	3.335	0.000	149724154	1.91		100.0	
1	2	3.721	3.722	-0.001	169188117	2.00	82.1- 132.1	113.0	
1	3	4.005	4.007	-0.002	118254683	2.15	43.1- 93.1	79.0	
1	4	4.194	4.195	-0.001	104471131	1.92	43.7- 93.7	69.8	
1	5	4.478	4.479	-0.001	155892795	1.99	73.6- 123.6	104.1	
Average of Peak Amounts =						1.99			
2	6	4.254	4.255	-0.001	106244805	1.86		100.0	
2	7	4.730	4.732	-0.002	173091637	1.91	125.6- 185.6	162.9	
2	8	4.977	4.979	-0.002	111007609	2.02	62.4- 122.4	104.5	
2	9	5.337	5.338	-0.001	130463410	1.99	43.9- 103.9	122.8	
2	10	5.539	5.540	-0.001	166807211	1.95	115.2- 175.2	157.0	
Average of Peak Amounts =						1.94			
RPD = 2.57									

Report Date: 15-Apr-2013 13:05:11

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000026.D

Injection Date: 15-Apr-2013 05:42:42

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP4

Lims Batch ID: 81761

Lims Sample ID: 26

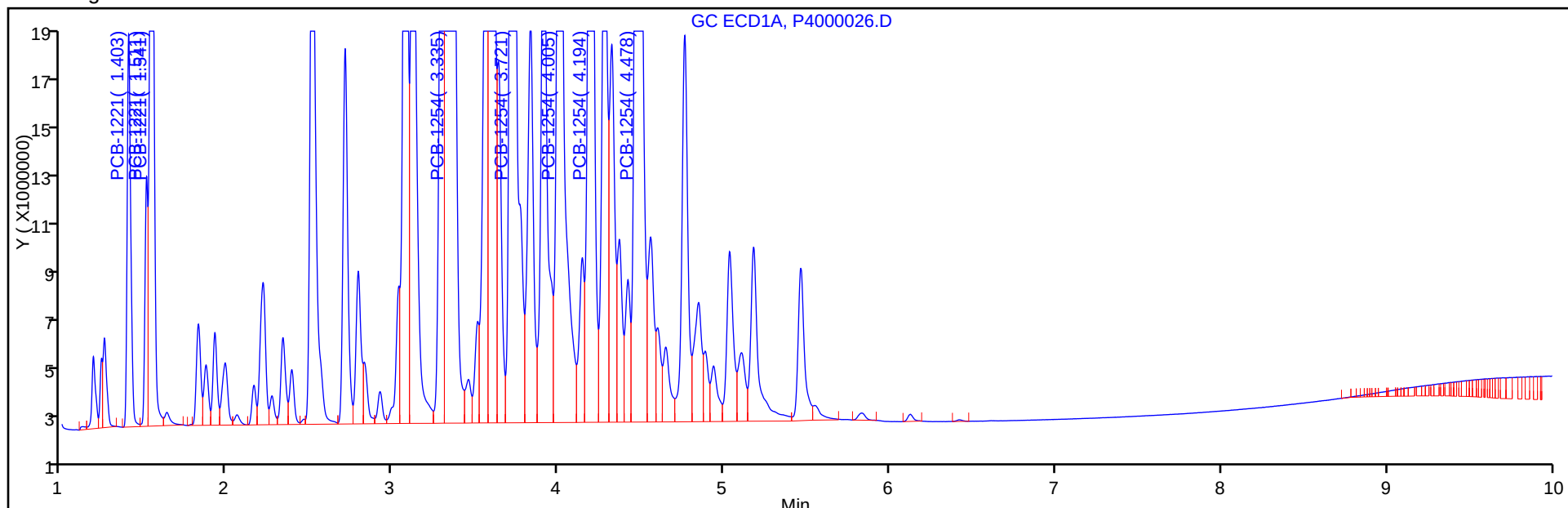
Operator ID:

Injection Vol: 1.0 ul

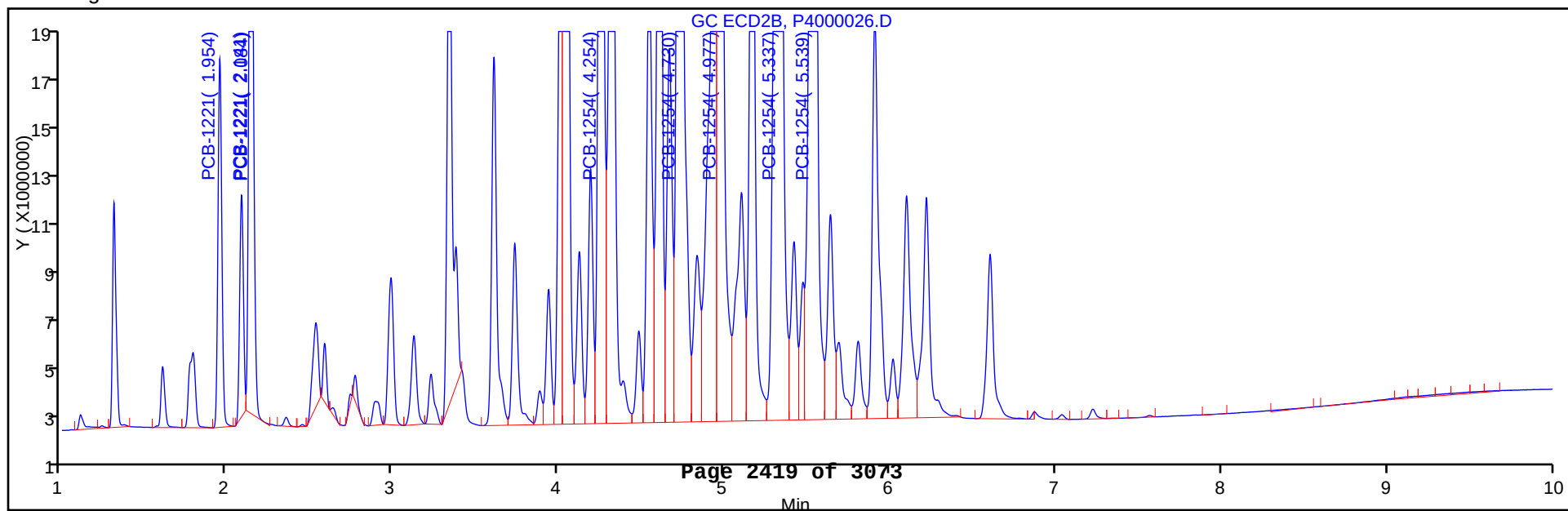
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22852-1 Analy Batch No.: 81761

SDG No.: _____

Instrument ID: A2HP4 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/15/2013 04:24 Calibration End Date: 04/15/2013 05:42 Calibration ID: 14528

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-81761/21	P4000021.D
Level 2	STD01 240-81761/22	P4000022.D
Level 3	STD02 240-81761/23	P4000023.D
Level 4	STD05 240-81761/24	P4000024.D
Level 5	STD1 240-81761/25	P4000025.D
Level 6	STD2 240-81761/26	P4000026.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
PCB-1221 Peak 1	1.955	1.952	1.952	1.952	1.954	1.954					1.855 - 2.055	1.953
PCB-1221 Peak 2	2.085	2.084	2.084	2.084	2.085	2.084					1.985 - 2.185	2.084
PCB-1221 Peak 3	2.141	2.141	2.140	2.141	2.141	2.141					2.041 - 2.241	2.141
PCB-1254 Peak 1	4.255	4.254	4.254	4.254	4.254	4.254					4.155 - 4.355	4.254
PCB-1254 Peak 2	4.732	4.731	4.730	4.731	4.731	4.730					4.632 - 4.832	4.731
PCB-1254 Peak 3	4.979	4.977	4.978	4.976	4.976	4.977					4.879 - 5.079	4.977
PCB-1254 Peak 4	5.338	5.338	5.336	5.336	5.336	5.337					5.238 - 5.438	5.337
PCB-1254 Peak 5	5.540	5.539	5.539	5.539	5.539	5.539					5.440 - 5.640	5.539

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-22852-1 Analy Batch No.: 81761

SDG No.: _____

Instrument ID: A2HP4 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/15/2013 04:24 Calibration End Date: 04/15/2013 05:42 Calibration ID: 14528

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-81761/21	P4000021.D
Level 2	STD01 240-81761/22	P4000022.D
Level 3	STD02 240-81761/23	P4000023.D
Level 4	STD05 240-81761/24	P4000024.D
Level 5	STD1 240-81761/25	P4000025.D
Level 6	STD2 240-81761/26	P4000026.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								
PCB-1221 Peak 1	17486060 13354678	16821930 12573359	15760205	14746770	Ave		15123833.7				13.0		20.0			
PCB-1221 Peak 2	10925000 8507932	10754320 7355663	10199725	9581934	Ave		9554095.58				15.0		20.0			
PCB-1221 Peak 3	40524140 31671337	39361020 28298824	37307160	35222544	Ave		35397504.2				13.0		20.0			
PCB-1254 Peak 1	62066020 54190142	59636140 53122403	58294655	56188160	Ave		57249586.6				5.9		20.0			
PCB-1254 Peak 2	97403840 87952848	92208080 86545819	90694540	89951168	Ave		90792715.8				4.2		20.0			
PCB-1254 Peak 3	57249400 54756328	54996280 55503805	53886800	54144908	Ave		55089586.8				2.2		20.0			
PCB-1254 Peak 4	41969880 64395799	42811900 65231705	43066275	43489334	Qua	-2710774.8	58727791.0	4103624.43						0.9950		0.9900
PCB-1254 Peak 5	91084660 83743405	86757840 83403606	84654420	83703946	Ave		85557979.4				3.5		20.0			

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

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-22852-1 Analy Batch No.: 81761

SDG No.: _____

Instrument ID: A2HP4 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/15/2013 04:24 Calibration End Date: 04/15/2013 05:42 Calibration ID: 14528

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-81761/21	P4000021.D
Level 2	STD01 240-81761/22	P4000022.D
Level 3	STD02 240-81761/23	P4000023.D
Level 4	STD05 240-81761/24	P4000024.D
Level 5	STD1 240-81761/25	P4000025.D
Level 6	STD2 240-81761/26	P4000026.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1221 Peak 1	Ave	874303 25146718	1682193	3152041	7373385	13354678	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1221 Peak 2	Ave	546250 14711325	1075432	2039945	4790967	8507932	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1221 Peak 3	Ave	2026207 56597648	3936102	7461432	17611272	31671337	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1254 Peak 1	Ave	3103301 106244805	5963614	11658931	28094080	54190142	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1254 Peak 2	Ave	4870192 173091637	9220808	18138908	44975584	87952848	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1254 Peak 3	Ave	2862470 111007609	5499628	10777360	27072454	54756328	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1254 Peak 4	Qua	2098494 130463410	4281190	8613255	21744667	64395799	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1254 Peak 5	Ave	4554233 166807211	8675784	16930884	41851973	83743405	0.0500 2.00	0.100	0.200	0.500	1.00

Curve Type Legend:

Ave = Average
Qua = Quadratic

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000021.D
 Lims ID: STD005 AR2154 Client ID:
 Inject. Date: 15-Apr-2013 04:24:26 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 1
 Sample ID: 240-0018824-021
 Misc. Info.:
 Operator: Instrument ID: A2HP4
 Injection Vol: 1.0 ul ALS Bottle#: 21
 Lims Batch ID: 81761 Lims Sample ID: 21
 Sublist: chrom-PCB4*sub4
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\PCB4.m
 Last Update: 15-Apr-2013 13:04:59 Calib Date: 15-Apr-2013 10:24:45
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK026

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
3 PCB-1221									
1	2	1.404	1.404	0.000	851092	0.0572		100.0	
1	3	1.511	1.511	0.000	385042	0.0521	31.2- 81.2	45.2	
1	4	1.541	1.541	0.000	2161172	0.0582	221.6- 271.6	253.9	
Average of Peak Amounts =						0.0559			
2	4	1.955	1.955	0.000	874303	0.0578		100.0	
2	5	2.085	2.085	0.000	546250	0.0572	34.7- 94.7	62.5	
2	6	2.141	2.141	0.000	2026207	0.0572	206.7- 266.7	231.8	
Average of Peak Amounts =						0.0574			
						RPD = 2.74			
8 PCB-1254									
1	100	3.335	3.335	0.000	4198182	0.0537		100.0	
1	2	3.722	3.722	0.000	4473856	0.0528	82.1- 132.1	106.6	
1	3	4.007	4.007	0.000	2666903	0.0484	43.1- 93.1	63.5	
1	4	4.195	4.195	0.000	2900678	0.0534	43.7- 93.7	69.1	
1	5	4.479	4.479	0.000	4059790	0.0518	73.6- 123.6	96.7	
Average of Peak Amounts =						0.0520			
2	6	4.255	4.255	0.000	3103301	0.0542		100.0	
2	7	4.732	4.732	0.000	4870192	0.0536	125.6- 185.6	156.9	
2	8	4.979	4.979	0.000	2862470	0.0520	62.4- 122.4	92.2	
2	9	5.338	5.338	0.000	2098494	0.0814	43.9- 103.9	67.6	
2	10	5.540	5.540	0.000	4554233	0.0532	115.2- 175.2	146.8	
Average of Peak Amounts =						0.0589			
						RPD = 12.39			

Report Date: 15-Apr-2013 13:05:01

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000021.D

Injection Date: 15-Apr-2013 04:24:26

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP4

Lims Batch ID: 81761

Lims Sample ID: 21

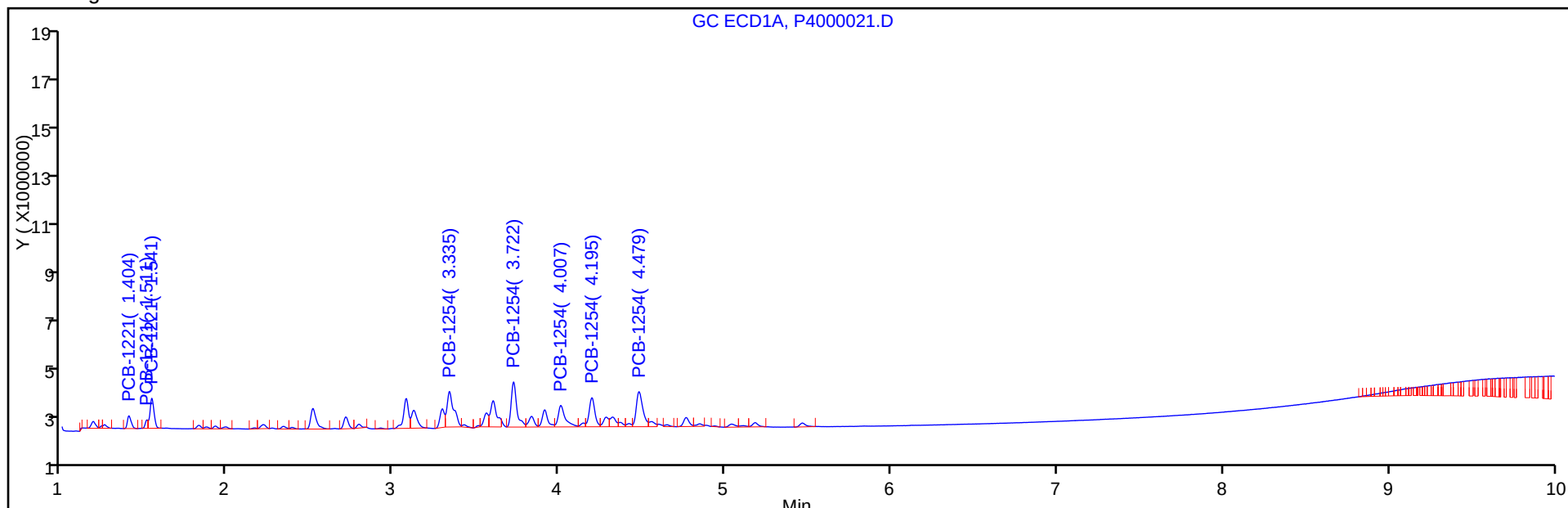
Operator ID:

Injection Vol: 1.0 ul

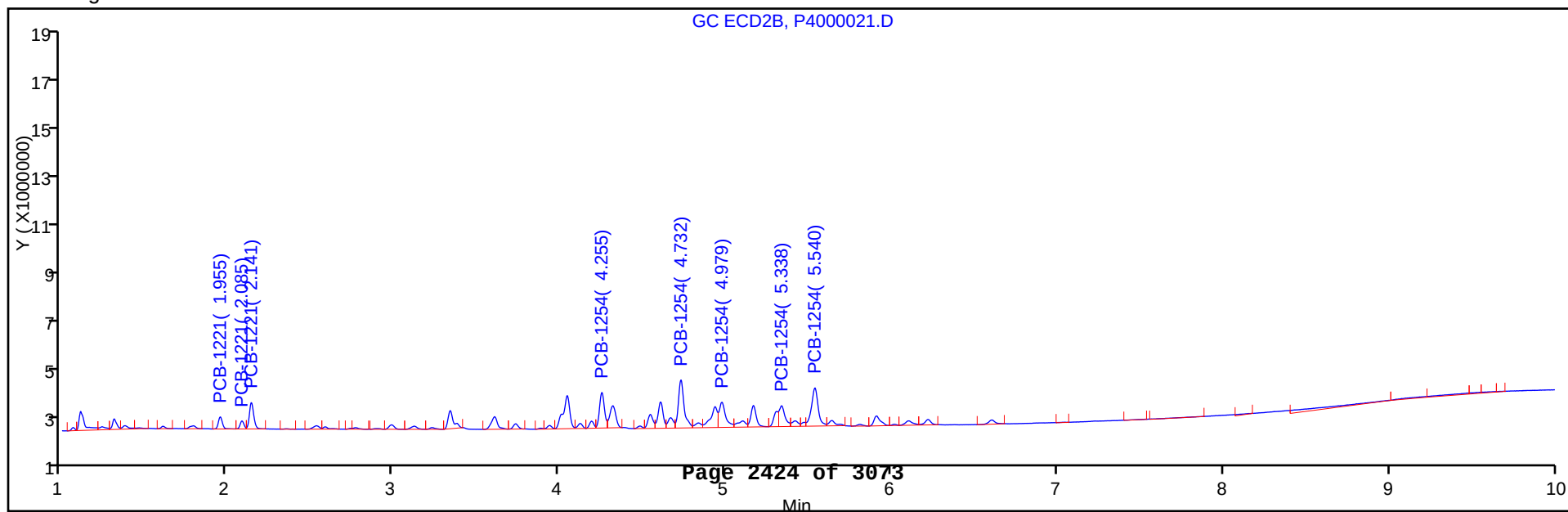
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000022.D
 Lims ID: STD01 AR2154 Client ID:
 Inject. Date: 15-Apr-2013 04:40:05 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 2
 Sample ID: 240-0018824-022
 Misc. Info.:
 Operator: Instrument ID: A2HP4
 Injection Vol: 1.0 ul ALS Bottle#: 22
 Lims Batch ID: 81761 Lims Sample ID: 22
 Sublist: chrom-PCB4*sub4
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\PCB4.m
 Last Update: 15-Apr-2013 13:05:01 Calib Date: 15-Apr-2013 10:24:45
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK026

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

3 PCB-1221

1	2	1.401	1.404	-0.003	1619276	0.1089		100.0	
1	3	1.511	1.511	0.000	799027	0.1081	31.2- 81.2	49.3	
1	4	1.540	1.541	-0.001	3967869	0.1069	221.6- 271.6	245.0	
Average of Peak Amounts =						0.1080			
2	4	1.952	1.955	-0.003	1682193	0.1112		100.0	
2	5	2.084	2.085	-0.001	1075432	0.1126	34.7- 94.7	63.9	
2	6	2.141	2.141	0.000	3936102	0.1112	206.7- 266.7	234.0	
Average of Peak Amounts =						0.1117			
						RPD = 3.36			

8 PCB-1254

1	100	3.335	3.335	0.000	7907314	0.1011		100.0	
1	2	3.722	3.722	0.000	8249965	0.0973	82.1- 132.1	104.3	
1	3	4.007	4.007	0.000	5340154	0.0970	43.1- 93.1	67.5	
1	4	4.194	4.195	-0.001	5586751	0.1029	43.7- 93.7	70.7	
1	5	4.479	4.479	0.000	7833492	0.0999	73.6- 123.6	99.1	
Average of Peak Amounts =						0.0996			
2	6	4.254	4.255	-0.001	5963614	0.1042		100.0	
2	7	4.731	4.732	-0.001	9220808	0.1016	125.6- 185.6	154.6	
2	8	4.977	4.979	-0.002	5499628	0.0998	62.4- 122.4	92.2	
2	9	5.338	5.338	0.000	4281190	0.1181	43.9- 103.9	71.8	
2	10	5.539	5.540	-0.001	8675784	0.1014	115.2- 175.2	145.5	
Average of Peak Amounts =						0.1050			
						RPD = 5.24			

Report Date: 15-Apr-2013 13:05:03

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000022.D

Injection Date: 15-Apr-2013 04:40:05

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP4

Lims Batch ID: 81761

Lims Sample ID: 22

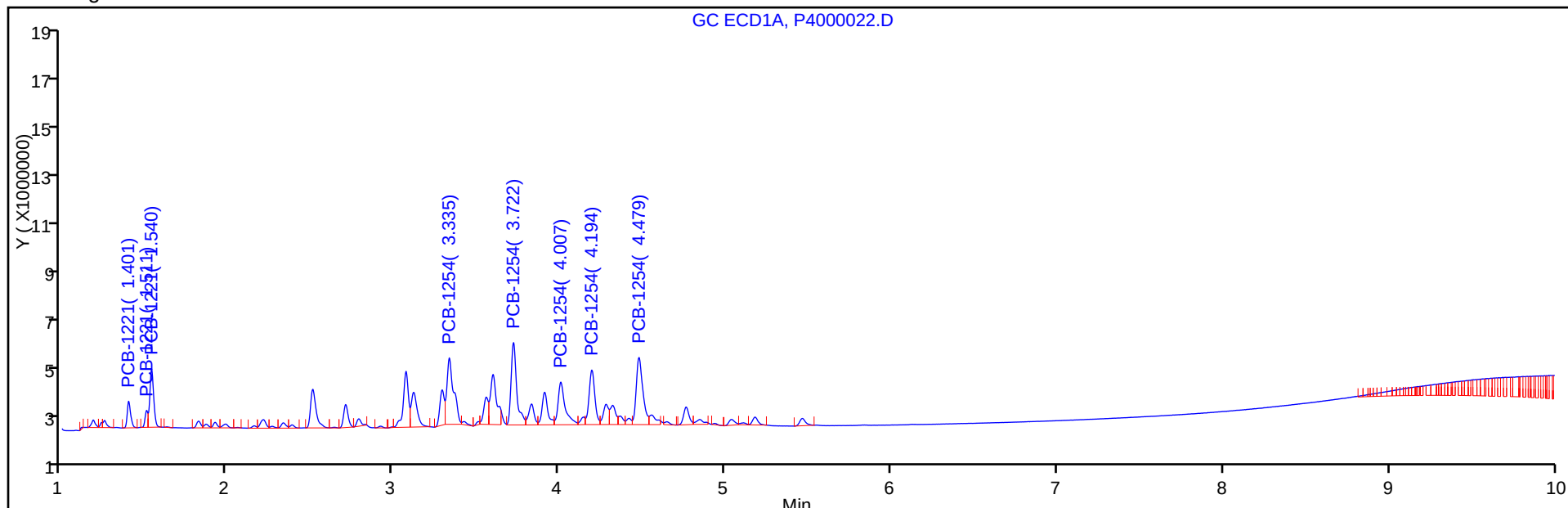
Operator ID:

Injection Vol: 1.0 ul

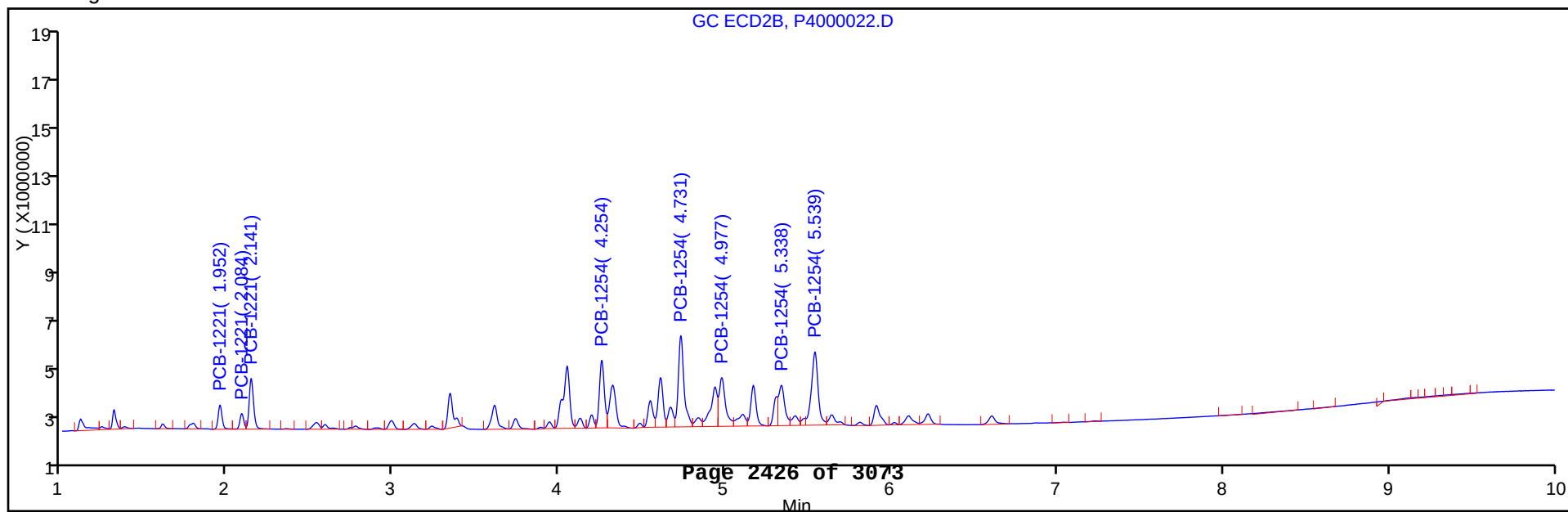
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000023.D
 Lims ID: STD02 AR2154 Client ID:
 Inject. Date: 15-Apr-2013 04:55:43 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 3
 Sample ID: 240-0018824-023
 Misc. Info.:
 Operator: Instrument ID: A2HP4
 Injection Vol: 1.0 ul ALS Bottle#: 23
 Lims Batch ID: 81761 Lims Sample ID: 23
 Sublist: chrom-PCB4*sub4
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\PCB4.m
 Last Update: 15-Apr-2013 13:05:04 Calib Date: 15-Apr-2013 10:24:45
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK026

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

3 PCB-1221

1	2	1.402	1.404	-0.002	3136531	0.2109		100.0	
1	3	1.510	1.511	-0.001	1764290	0.2388	31.2- 81.2	56.2	
1	4	1.540	1.541	-0.001	7733929	0.2083	221.6- 271.6	246.6	
Average of Peak Amounts =						0.2193			
2	4	1.952	1.955	-0.003	3152041	0.2084		100.0	
2	5	2.084	2.085	-0.001	2039945	0.2135	34.7- 94.7	64.7	
2	6	2.140	2.141	-0.001	7461432	0.2108	206.7- 266.7	236.7	
Average of Peak Amounts =						0.2109			
						RPD = 3.92			

8 PCB-1254

1	100	3.335	3.335	0.000	15956978	0.2040		100.0	
1	2	3.722	3.722	0.000	17097623	0.2017	82.1- 132.1	107.1	
1	3	4.007	4.007	0.000	10864044	0.1972	43.1- 93.1	68.1	
1	4	4.195	4.195	0.000	10955715	0.2018	43.7- 93.7	68.7	
1	5	4.478	4.479	-0.001	15730427	0.2007	73.6- 123.6	98.6	
Average of Peak Amounts =						0.2011			
2	6	4.254	4.255	-0.001	11658931	0.2037		100.0	
2	7	4.730	4.732	-0.002	18138908	0.1998	125.6- 185.6	155.6	
2	8	4.978	4.979	-0.001	10777360	0.1956	62.4- 122.4	92.4	
2	9	5.336	5.338	-0.002	8613255	0.1903	43.9- 103.9	73.9	
2	10	5.539	5.540	-0.001	16930884	0.1979	115.2- 175.2	145.2	
Average of Peak Amounts =						0.1974			
						RPD = 1.83			

Report Date: 15-Apr-2013 13:05:06

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000023.D

Injection Date: 15-Apr-2013 04:55:43

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP4

Lims Batch ID: 81761

Lims Sample ID: 23

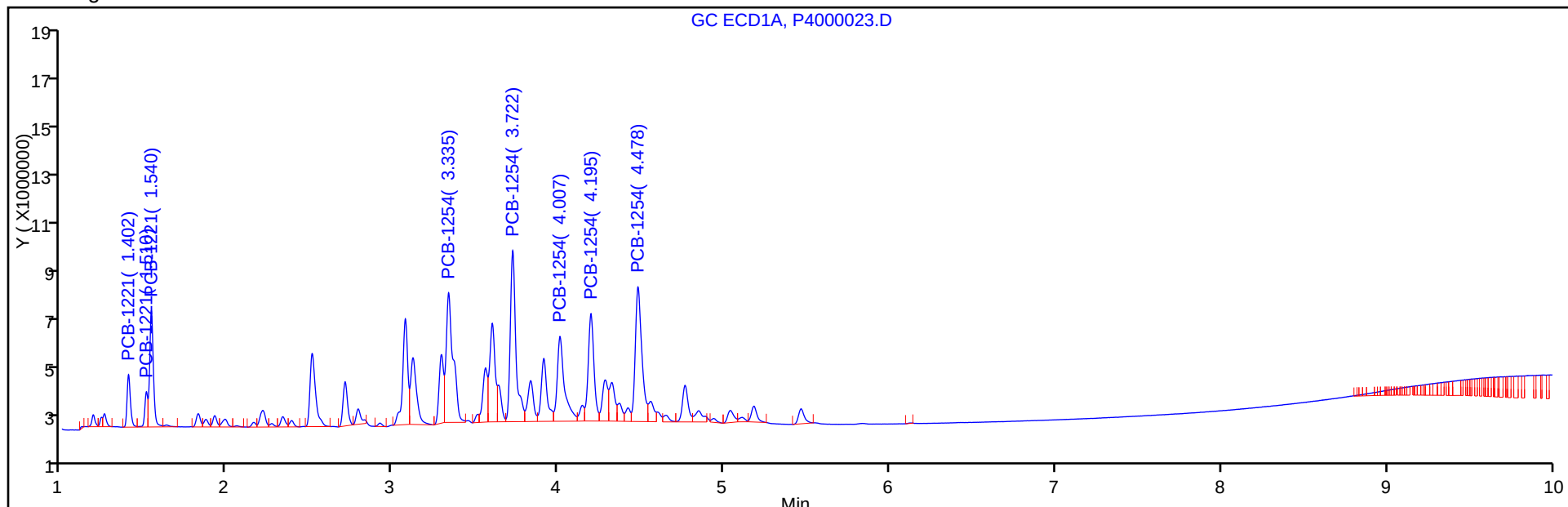
Operator ID:

Injection Vol: 1.0 ul

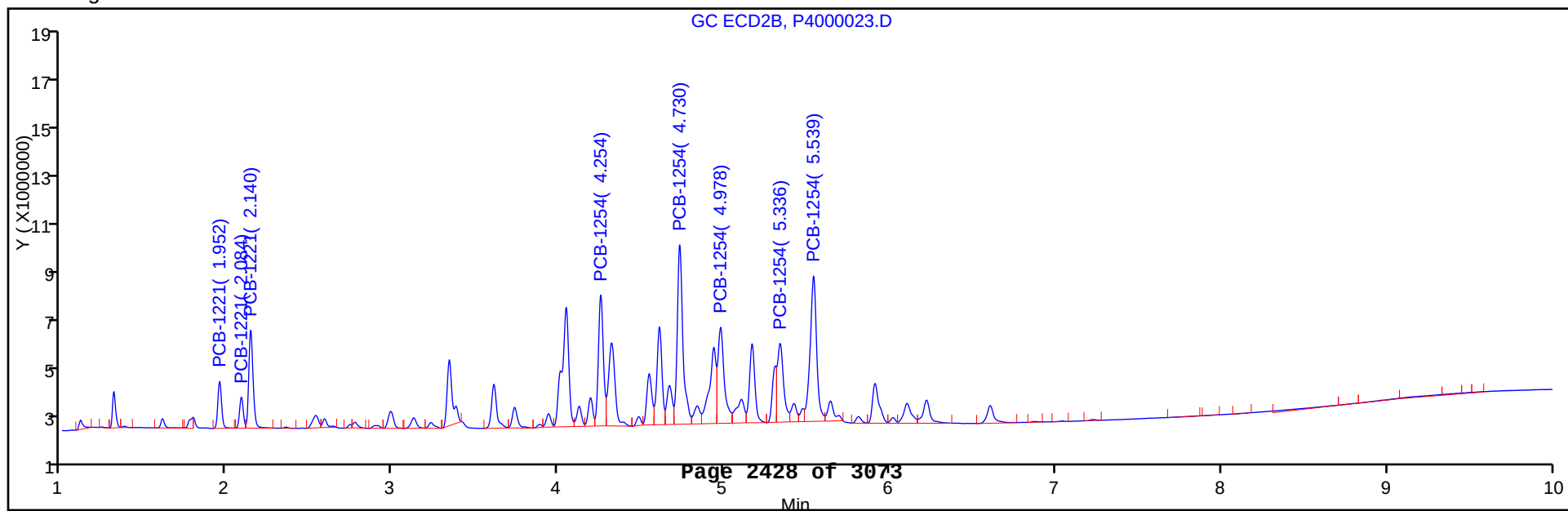
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000024.D
 Lims ID: STD05 AR2154 Client ID:
 Inject. Date: 15-Apr-2013 05:11:24 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 4
 Sample ID: 240-0018824-024
 Misc. Info.:
 Operator: Instrument ID: A2HP4
 Injection Vol: 1.0 ul ALS Bottle#: 24
 Lims Batch ID: 81761 Lims Sample ID: 24
 Sublist: chrom-PCB4*sub4
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\PCB4.m
 Last Update: 15-Apr-2013 13:05:06 Calib Date: 15-Apr-2013 10:24:45
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK026

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

3 PCB-1221

1	2	1.402	1.404	-0.002	7285319	0.4899		100.0	
1	3	1.511	1.511	0.000	3722196	0.5038	31.2- 81.2	51.1	
1	4	1.541	1.541	0.000	18280564	0.4925	221.6- 271.6	250.9	
Average of Peak Amounts =						0.4954			
2	4	1.952	1.955	-0.003	7373385	0.4875		100.0	
2	5	2.084	2.085	-0.001	4790967	0.5015	34.7- 94.7	65.0	
2	6	2.141	2.141	0.000	17611272	0.4975	206.7- 266.7	238.8	
Average of Peak Amounts =						0.4955			
						RPD = 0.03			

8 PCB-1254

1	100	3.335	3.335	0.000	37333934	0.4774		100.0	
1	2	3.721	3.722	-0.001	41373949	0.4881	82.1- 132.1	110.8	
1	3	4.006	4.007	-0.001	26251210	0.4766	43.1- 93.1	70.3	
1	4	4.193	4.195	-0.002	25873042	0.4766	43.7- 93.7	69.3	
1	5	4.478	4.479	-0.001	38354016	0.4893	73.6- 123.6	102.7	
Average of Peak Amounts =						0.4816			
2	6	4.254	4.255	-0.001	28094080	0.4907		100.0	
2	7	4.731	4.732	-0.001	44975584	0.4954	125.6- 185.6	160.1	
2	8	4.976	4.979	-0.003	27072454	0.4914	62.4- 122.4	96.4	
2	9	5.336	5.338	-0.002	21744667	0.4050	43.9- 103.9	77.4	
2	10	5.539	5.540	-0.001	41851973	0.4892	115.2- 175.2	149.0	
Average of Peak Amounts =						0.4743			
						RPD = 1.52			

Report Date: 15-Apr-2013 13:05:08

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000024.D

Injection Date: 15-Apr-2013 05:11:24

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP4

Lims Batch ID: 81761

Lims Sample ID: 24

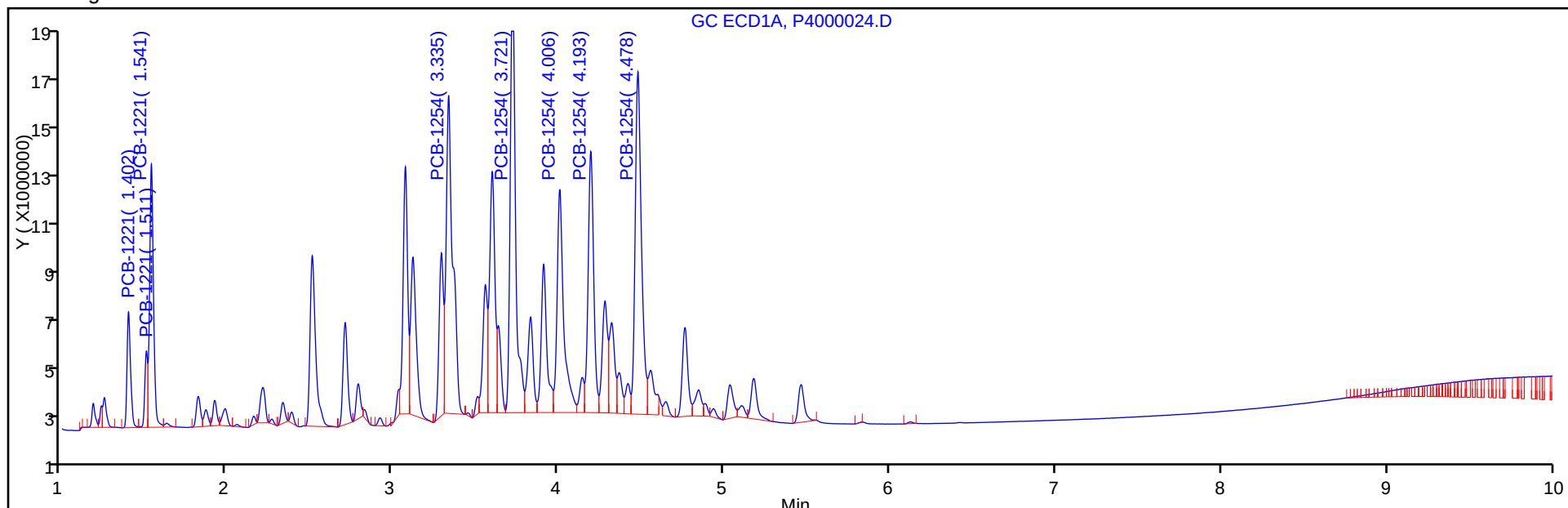
Operator ID:

Injection Vol: 1.0 ul

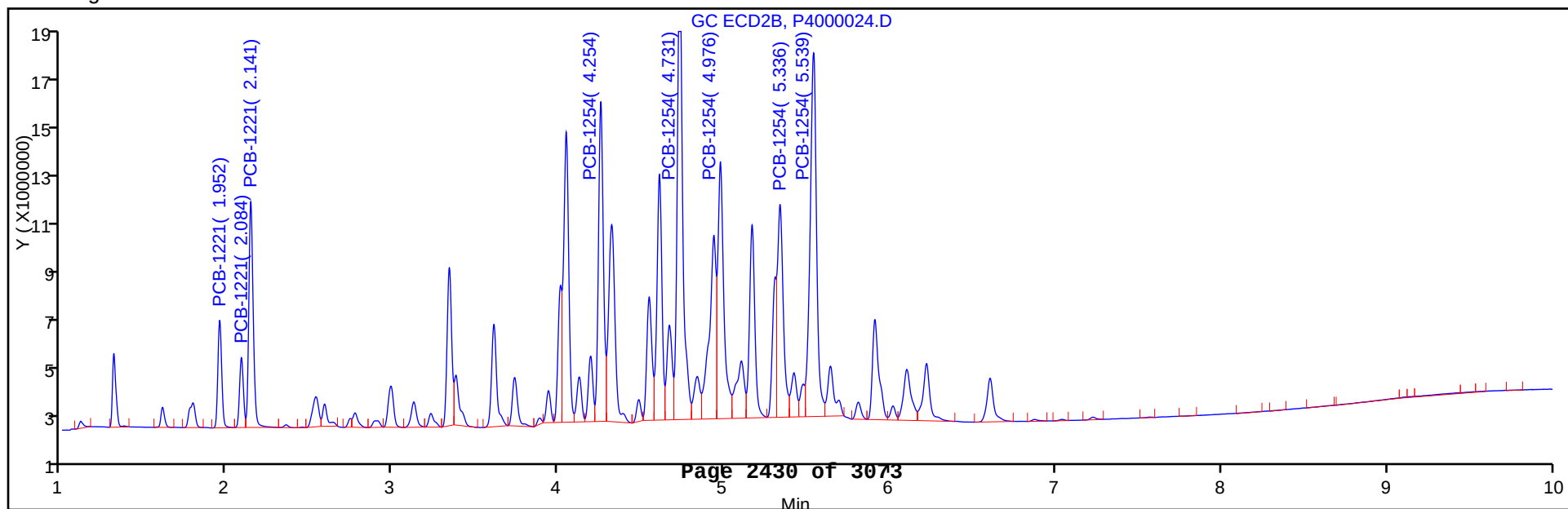
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000025.D
 Lims ID: STD1 AR2154 Client ID:
 Inject. Date: 15-Apr-2013 05:27:07 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 5
 Sample ID: 240-0018824-025
 Misc. Info.:
 Operator: Instrument ID: A2HP4
 Injection Vol: 1.0 ul ALS Bottle#: 25
 Lims Batch ID: 81761 Lims Sample ID: 25
 Sublist: chrom-PCB4*sub4
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\PCB4.m
 Last Update: 15-Apr-2013 13:05:08 Calib Date: 15-Apr-2013 10:24:45
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK026

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

3 PCB-1221

1	2	1.403	1.404	-0.001	13260162	0.8917		100.0	
1	3	1.511	1.511	0.000	6152280	0.8326	31.2- 81.2	46.4	
1	4	1.541	1.541	0.000	33644031	0.9064	221.6- 271.6	253.7	
Average of Peak Amounts =						0.8769			
2	4	1.954	1.955	-0.001	13354678	0.8830		100.0	
2	5	2.085	2.085	0.000	8507932	0.8905	34.7- 94.7	63.7	
2	6	2.141	2.141	0.000	31671337	0.8947	206.7- 266.7	237.2	
Average of Peak Amounts =						0.8894			
						RPD = 1.42			

8 PCB-1254

1	100	3.335	3.335	0.000	76899037	0.9833		100.0	
1	2	3.721	3.722	-0.001	83814263	0.9887	82.1- 132.1	109.0	
1	3	4.005	4.007	-0.002	57787834	1.05	43.1- 93.1	75.1	
1	4	4.195	4.195	0.000	53046855	0.9773	43.7- 93.7	69.0	
1	5	4.477	4.479	-0.002	77456000	0.9882	73.6- 123.6	100.7	
Average of Peak Amounts =						1.00			
2	6	4.254	4.255	-0.001	54190142	0.9466		100.0	
2	7	4.731	4.732	-0.001	87952848	0.9687	125.6- 185.6	162.3	
2	8	4.976	4.979	-0.003	54756328	0.99	62.4- 122.4	101.0	
2	9	5.336	5.338	-0.002	64395799	1.06	43.9- 103.9	118.8	
2	10	5.539	5.540	-0.001	83743405	0.9788	115.2- 175.2	154.5	
Average of Peak Amounts =						0.99			
						RPD = 0.70			

Report Date: 15-Apr-2013 13:05:09

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000025.D

Injection Date: 15-Apr-2013 05:27:07

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP4

Lims Batch ID: 81761

Lims Sample ID: 25

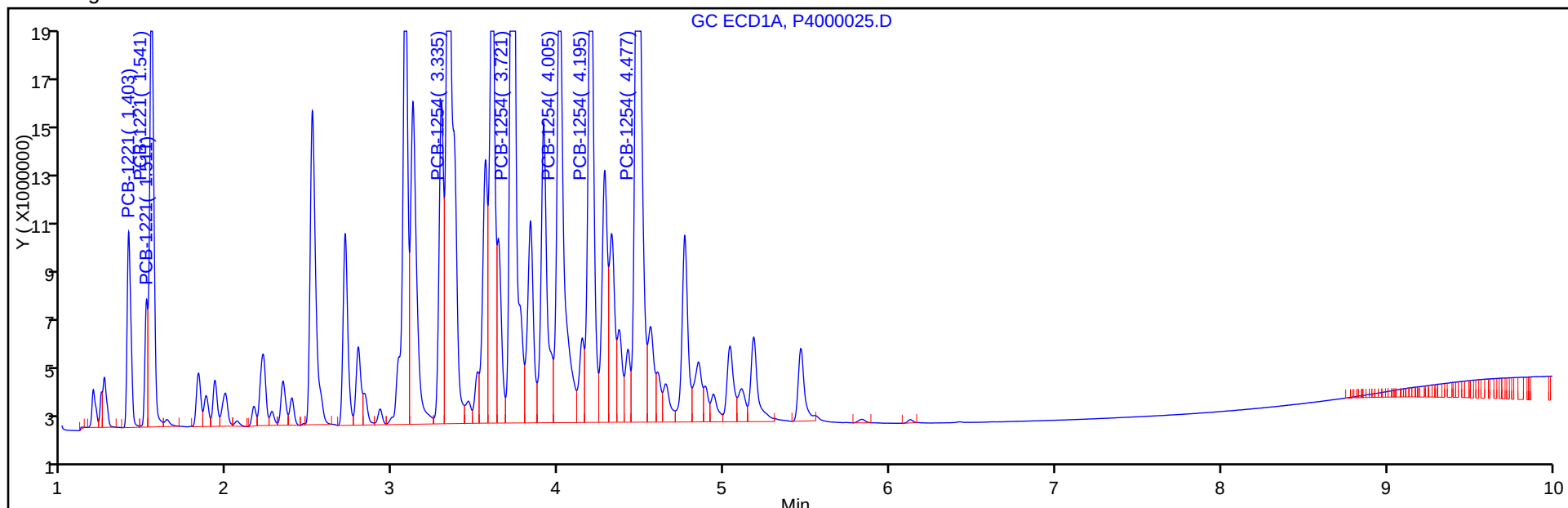
Operator ID:

Injection Vol: 1.0 ul

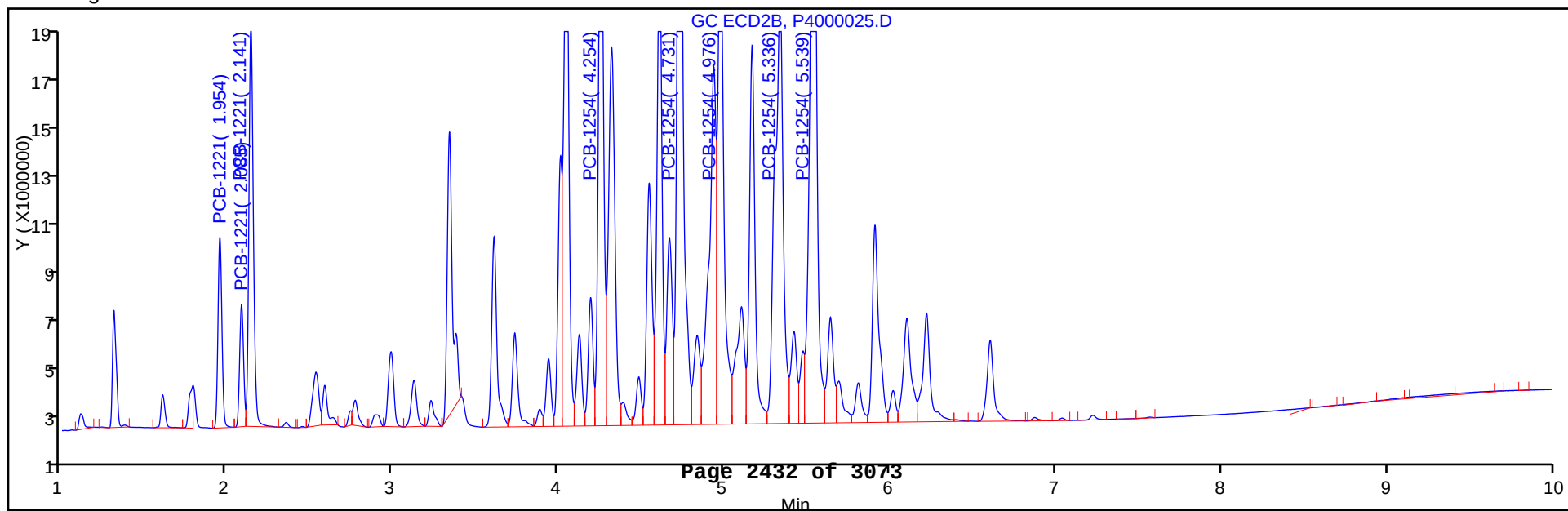
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000026.D
 Lims ID: STD2 AR2154 Client ID:
 Inject. Date: 15-Apr-2013 05:42:42 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 6
 Sample ID: 240-0018824-026
 Misc. Info.:
 Operator: Instrument ID: A2HP4
 Injection Vol: 1.0 ul ALS Bottle#: 26
 Lims Batch ID: 81761 Lims Sample ID: 26
 Sublist: chrom-PCB4*sub4
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\PCB4.m
 Last Update: 15-Apr-2013 13:05:10 Calib Date: 15-Apr-2013 10:24:45
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK026

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

3 PCB-1221

1	2	1.403	1.404	-0.001	24993419	1.68		100.0	
1	3	1.511	1.511	0.000	12448583	1.68	31.2- 81.2	49.8	
1	4	1.541	1.541	0.000	61885697	1.67	221.6- 271.6	247.6	
Average of Peak Amounts =						1.68			
2	4	1.954	1.955	-0.001	25146718	1.66		100.0	
2	5	2.084	2.085	-0.001	14711325	1.54	34.7- 94.7	58.5	
2	6	2.141	2.141	0.000	56597648	1.60	206.7- 266.7	225.1	
Average of Peak Amounts =						1.60			
RPD = 4.70									

8 PCB-1254

1	100	3.335	3.335	0.000	149724154	1.91		100.0	
1	2	3.721	3.722	-0.001	169188117	2.00	82.1- 132.1	113.0	
1	3	4.005	4.007	-0.002	118254683	2.15	43.1- 93.1	79.0	
1	4	4.194	4.195	-0.001	104471131	1.92	43.7- 93.7	69.8	
1	5	4.478	4.479	-0.001	155892795	1.99	73.6- 123.6	104.1	
Average of Peak Amounts =						1.99			
2	6	4.254	4.255	-0.001	106244805	1.86		100.0	
2	7	4.730	4.732	-0.002	173091637	1.91	125.6- 185.6	162.9	
2	8	4.977	4.979	-0.002	111007609	2.02	62.4- 122.4	104.5	
2	9	5.337	5.338	-0.001	130463410	1.99	43.9- 103.9	122.8	
2	10	5.539	5.540	-0.001	166807211	1.95	115.2- 175.2	157.0	
Average of Peak Amounts =						1.94			
RPD = 2.57									

Report Date: 15-Apr-2013 13:05:11

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000026.D

Injection Date: 15-Apr-2013 05:42:42

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP4

Lims Batch ID: 81761

Lims Sample ID: 26

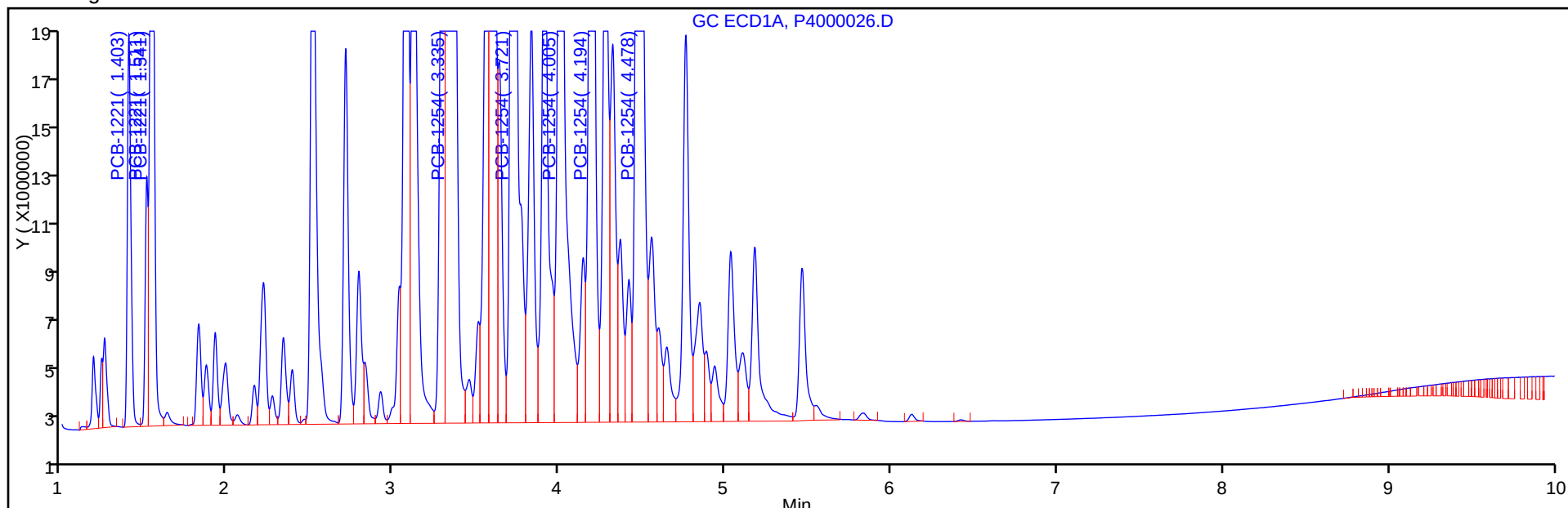
Operator ID:

Injection Vol: 1.0 ul

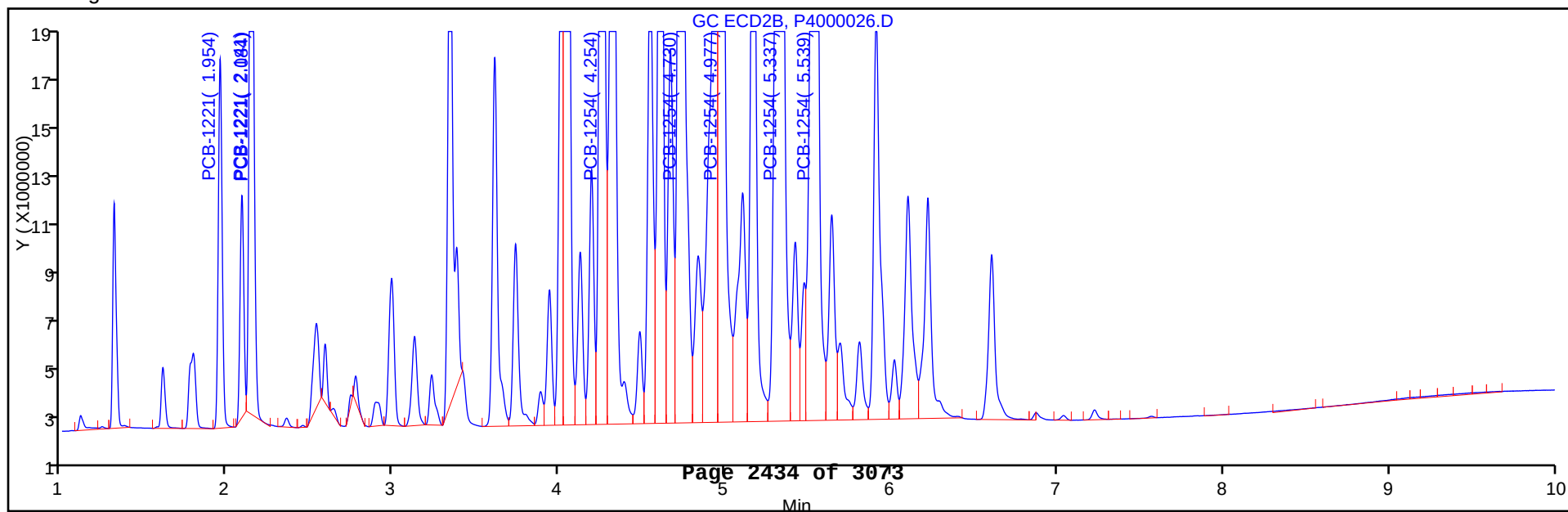
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22852-1 Analy Batch No.: 81761

SDG No.: _____

Instrument ID: A2HP4 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/15/2013 05:58 Calibration End Date: 04/15/2013 07:16 Calibration ID: 14533

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-81761/27	P4000027.D
Level 2	STD01 240-81761/28	P4000028.D
Level 3	STD02 240-81761/29	P4000029.D
Level 4	STD05 240-81761/30	P4000030.D
Level 5	STD1 240-81761/31	P4000031.D
Level 6	STD2 240-81761/32	P4000032.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
PCB-1016 Peak 1	1.544	1.543	1.542	1.542	1.542	1.543					1.442 - 1.642	1.543
PCB-1016 Peak 2	1.826	1.824	1.824	1.824	1.824	1.824					1.724 - 1.924	1.824
PCB-1016 Peak 3	2.218	2.215	2.216	2.216	2.216	2.215					2.116 - 2.316	2.216
PCB-1016 Peak 4	2.337	2.336	2.336	2.336	2.336	2.335					2.236 - 2.436	2.336
PCB-1016 Peak 5	2.714	2.714	2.716	2.714	2.714	2.714					2.614 - 2.814	2.714
PCB-1260 Peak 1	3.912	3.911	3.911	3.911	3.912	3.911					3.811 - 4.011	3.911
PCB-1260 Peak 2	4.199	4.199	4.199	4.199	4.198	4.198					4.099 - 4.299	4.199
PCB-1260 Peak 3	4.480	4.480	4.481	4.479	4.478	4.478					4.379 - 4.579	4.479
PCB-1260 Peak 4	5.180	5.180	5.180	5.178	5.179	5.177					5.078 - 5.278	5.179
PCB-1260 Peak 5	5.465	5.465	5.465	5.464	5.464	5.463					5.364 - 5.564	5.464
Tetrachloro-m-xylene	1.274	1.273	1.273	1.273	1.273	1.274					1.173 - 1.373	1.273
DCB Decachlorobiphenyl	6.616	6.616	6.616	6.615	6.616	6.615					6.515 - 6.715	6.616

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-22852-1 Analy Batch No.: 81761

SDG No.: _____

Instrument ID: A2HP4 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/15/2013 05:58 Calibration End Date: 04/15/2013 07:16 Calibration ID: 14533

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-81761/27	P4000027.D
Level 2	STD01 240-81761/28	P4000028.D
Level 3	STD02 240-81761/29	P4000029.D
Level 4	STD05 240-81761/30	P4000030.D
Level 5	STD1 240-81761/31	P4000031.D
Level 6	STD2 240-81761/32	P4000032.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								
PCB-1016 Peak 1	31837640 24260203	29836670 22733654	27573185	26582352	Ave		27137283.9				13.0		20.0			
PCB-1016 Peak 2	57372160 43493540	54335030 40702913	49913240	47985948	Ave		48967138.4				13.0		20.0			
PCB-1016 Peak 3	97285300 89669755	99456590 86891443	93022245	94315168	Ave		93440083.5				5.0		20.0			
PCB-1016 Peak 4	43036640 39524466	45958620 38291074	42393700	42569200	Ave		41962283.3				6.5		20.0			
PCB-1016 Peak 5	47906900 39299859	45258450 38359834	41537985	42031174	Ave		42399033.7				8.5		20.0			
PCB-1260 Peak 1	69815200 58486212	66155340 56804131	60891940	62249248	Ave		62400345.2				7.8		20.0			
PCB-1260 Peak 2	121211620 103815872	116703660 100819795	107897050	110320724	Ave		110128120				7.0		20.0			
PCB-1260 Peak 3	113398760 104066785	112465890 102507060	104381375	109191204	Ave		107668512				4.3		20.0			
PCB-1260 Peak 4	127560700 128178666	133505570 126174887	125284235	135553126	Ave		129376197				3.2		20.0			
PCB-1260 Peak 5	60522000 57763115	57853830 58289634	54258280	60780994	Ave		58244642.2				4.1		20.0			
Tetrachloro-m-xylene	1880546400 1508612920	1583499800 1396331240	1552370700	1580282840	Ave		1583607317				10.0		20.0			
DCB Decachlorobiphenyl	1632286400 1217454400	1374232000 1152757710	1308405000	1326167240	Ave		1335217125				12.0		20.0			

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

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-22852-1 Analy Batch No.: 81761

SDG No.: _____

Instrument ID: A2HP4 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/15/2013 05:58 Calibration End Date: 04/15/2013 07:16 Calibration ID: 14533

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-81761/27	P4000027.D
Level 2	STD01 240-81761/28	P4000028.D
Level 3	STD02 240-81761/29	P4000029.D
Level 4	STD05 240-81761/30	P4000030.D
Level 5	STD1 240-81761/31	P4000031.D
Level 6	STD2 240-81761/32	P4000032.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1016 Peak 1	Ave	1591882 45467307	2983667	5514637	13291176	24260203	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1016 Peak 2	Ave	2868608 81405825	5433503	9982648	23992974	43493540	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1016 Peak 3	Ave	4864265 173782886	9945659	18604449	47157584	89669755	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1016 Peak 4	Ave	2151832 76582147	4595862	8478740	21284600	39524466	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1016 Peak 5	Ave	2395345 76719668	4525845	8307597	21015587	39299859	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1260 Peak 1	Ave	3490760 113608262	6615534	12178388	31124624	58486212	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1260 Peak 2	Ave	6060581 201639590	11670366	21579410	55160362	103815872	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1260 Peak 3	Ave	5669938 205014119	11246589	20876275	54595602	104066785	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1260 Peak 4	Ave	6378035 252349773	13350557	25056847	67776563	128178666	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1260 Peak 5	Ave	3026100 116579268	5785383	10851656	30390497	57763115	0.0500 2.00	0.100	0.200	0.500	1.00
Tetrachloro-m-xylene	Ave	4701366 139633124	7917499	15523707	39507071	75430646	0.00250 0.100	0.00500	0.0100	0.0250	0.0500
DCB Decachlorobiphenyl	Ave	4080716 115275771	6871160	13084050	33154181	60872720	0.00250 0.100	0.00500	0.0100	0.0250	0.0500

Curve Type Legend:

Ave = Average

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000027.D
 Lims ID: STD005 1660 Client ID:
 Inject. Date: 15-Apr-2013 05:58:18 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 1
 Sample ID: 240-0018824-027
 Misc. Info.:
 Operator: Instrument ID: A2HP4
 Injection Vol: 1.0 ul ALS Bottle#: 27
 Lims Batch ID: 81761 Lims Sample ID: 27
 Sublist: chrom-PCB4*sub5
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\PCB4.m
 Last Update: 15-Apr-2013 13:05:11 Calib Date: 15-Apr-2013 10:24:45
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK026

First Level Reviewer: hassl

Date: 15-Apr-2013 07:54:26

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

\$ 2 Tetrachloro-m-xylene

1	44	1.274	1.273	0.001	4701366	0.002969			
2	2	1.682	1.680	0.002	4669525	0.002959			

RPD = 0.31

6 PCB-1016

1	100	1.544	1.542	0.002	1591882	0.0587		100.0	
1	2	1.826	1.824	0.002	2868608	0.0586	156.0- 206.0	180.2	
1	3	2.218	2.216	0.002	4864265	0.0521	312.4- 362.4	305.6	
1	4	2.337	2.336	0.001	2151832	0.0513	118.7- 188.7	135.2	
1	5	2.714	2.714	0.000	2395345	0.0565	125.6- 175.6	150.5	
		Average of Peak Amounts =				0.0554			
2	6	2.144	2.142	0.002	1475191	0.0575		100.0	
2	7	2.539	2.538	0.001	2947929	0.0581	169.6- 229.6	199.8	
2	8	2.989	2.989	0.000	5415404	0.0545	351.4- 411.4	367.1	
2	9	3.128	3.127	0.001	2501936	0.0568	141.3- 201.3	169.6	
2	10	3.232	3.230	0.002	1893431	0.0553	102.5- 162.5	128.4	
		Average of Peak Amounts =				0.0564			

RPD = 1.83

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000027.D

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									M
1	100	3.912	3.911	0.001	3490760	0.0559		100.0	
1	2	4.199	4.199	0.000	6060581	0.0550	152.2- 202.2	173.6	
1	3	4.480	4.479	0.001	5669938	0.0527	146.4- 196.4	162.4	
1	4	5.180	5.178	0.002	6378035	0.0493	180.7- 230.7	182.7	
1	5	5.465	5.464	0.001	3026100	0.0520	64.1- 114.1	86.7	
Average of Peak Amounts =						0.0530			
2	6	4.940	4.940	0.000	3842911	0.0559		100.0	
2	7	5.170	5.170	0.000	4442967	0.0557	87.6- 147.6	115.6	
2	8	5.538	5.539	-0.001	6422240	0.0543	144.7- 204.7	167.1	
2	9	6.223	6.224	-0.001	7691959	0.0528	187.7- 247.7	200.2	
2	10	6.605	6.604	0.001	4330449	0.0448	115.0- 175.0	112.7	M
Average of Peak Amounts =						0.0527			
						RPD = 0.55			
\$ 12 DCB Decachlorobiphenyl									
1	100	6.616	6.615	0.001	4080716	0.003056			
2	2	7.839	7.839	0.000	4607768	0.003163			
						RPD = 3.44			

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 15-Apr-2013 13:05:12

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000027.D

Injection Date: 15-Apr-2013 05:58:18

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP4

Lims Batch ID: 81761

Lims Sample ID: 27

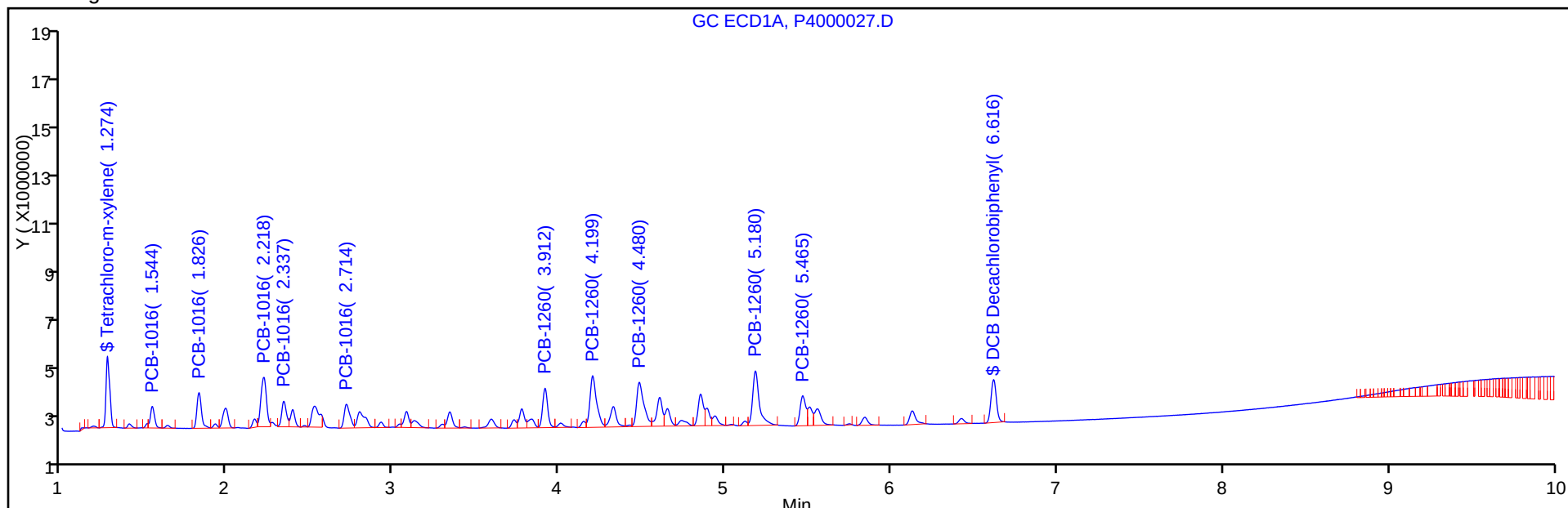
Operator ID:

Injection Vol: 1.0 ul

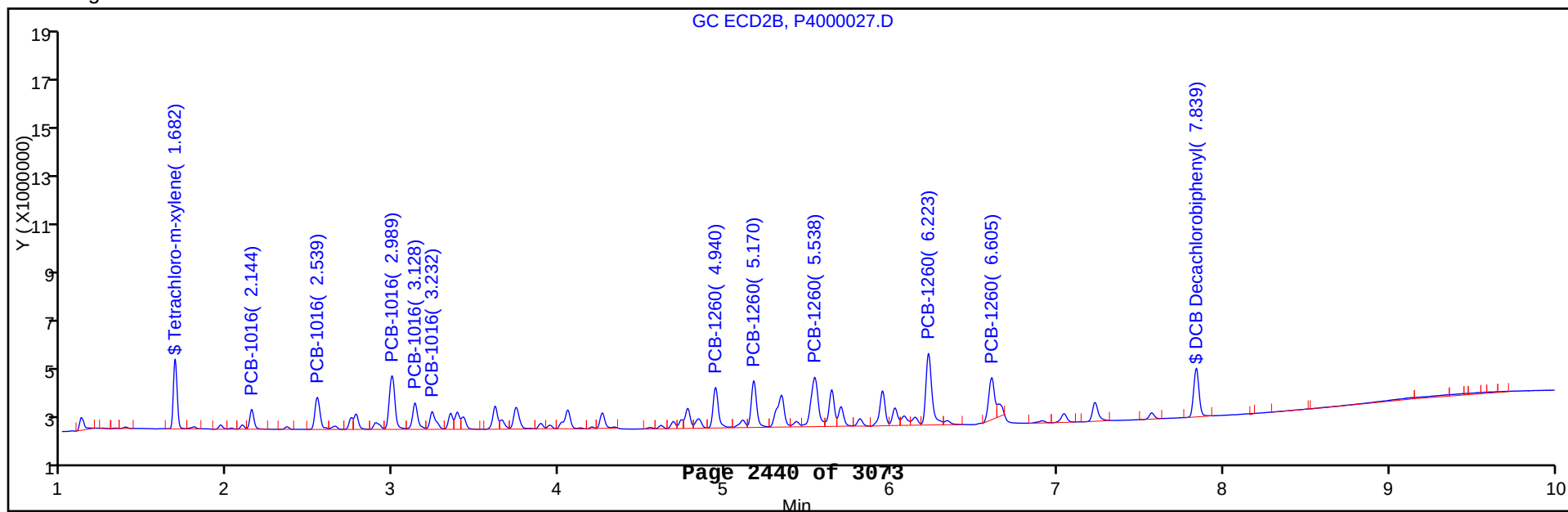
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000028.D
 Lims ID: STD01 1660 Client ID:
 Inject. Date: 15-Apr-2013 06:13:58 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 2
 Sample ID: 240-0018824-028
 Misc. Info.:
 Operator: Instrument ID: A2HP4
 Injection Vol: 1.0 ul ALS Bottle#: 28
 Lims Batch ID: 81761 Lims Sample ID: 28
 Sublist: chrom-PCB4*sub5
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\PCB4.m
 Last Update: 15-Apr-2013 13:05:13 Calib Date: 15-Apr-2013 10:24:45
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK026

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

\$ 2 Tetrachloro-m-xylene

1	44	1.273	1.273	0.000	7917499	0.005000			
2	2	1.680	1.680	0.000	7708908	0.004886			

RPD = 2.30

6 PCB-1016

1	100	1.543	1.542	0.001	2983667	0.1099		100.0	
1	2	1.824	1.824	0.000	5433503	0.1110	156.0- 206.0	182.1	
1	3	2.215	2.216	-0.001	9945659	0.1064	312.4- 362.4	333.3	
1	4	2.336	2.336	0.000	4595862	0.1095	118.7- 188.7	154.0	
1	5	2.714	2.714	0.000	4525845	0.1067	125.6- 175.6	151.7	
Average of Peak Amounts =						0.1087			
2	6	2.142	2.142	0.000	2815274	0.1098		100.0	
2	7	2.537	2.538	-0.001	5568215	0.1097	169.6- 229.6	197.8	
2	8	2.988	2.989	-0.001	10270214	0.1033	351.4- 411.4	364.8	
2	9	3.127	3.127	0.000	4542149	0.1032	141.3- 201.3	161.3	
2	10	3.230	3.230	0.000	3432777	0.1002	102.5- 162.5	121.9	
Average of Peak Amounts =						0.1052			

RPD = 3.26

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000028.D

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

10 PCB-1260

1	100	3.911	3.911	0.000	6615534	0.1060		100.0	
1	2	4.199	4.199	0.000	11670366	0.1060	152.2- 202.2	176.4	
1	3	4.480	4.479	0.001	11246589	0.1045	146.4- 196.4	170.0	
1	4	5.180	5.178	0.002	13350557	0.1032	180.7- 230.7	201.8	
1	5	5.465	5.464	0.001	5785383	0.0993	64.1- 114.1	87.5	
Average of Peak Amounts =						0.1038			
2	6	4.940	4.940	0.000	7119452	0.1035		100.0	
2	7	5.170	5.170	0.000	8044234	0.1008	87.6- 147.6	113.0	
2	8	5.538	5.539	-0.001	11716900	0.0992	144.7- 204.7	164.6	
2	9	6.224	6.224	0.000	14510168	0.0995	187.7- 247.7	203.8	
2	10	6.606	6.604	0.002	10271915	0.1063	115.0- 175.0	144.3	
Average of Peak Amounts =						0.1018			

RPD = 1.90

\$ 12 DCB Decachlorobiphenyl

1	100	6.616	6.615	0.001	6871160	0.005146			
2	2	7.840	7.839	0.001	7520328	0.005163			

RPD = 0.33

Report Date: 15-Apr-2013 13:05:14

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000028.D

Injection Date: 15-Apr-2013 06:13:58

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP4

Lims Batch ID: 81761

Lims Sample ID: 28

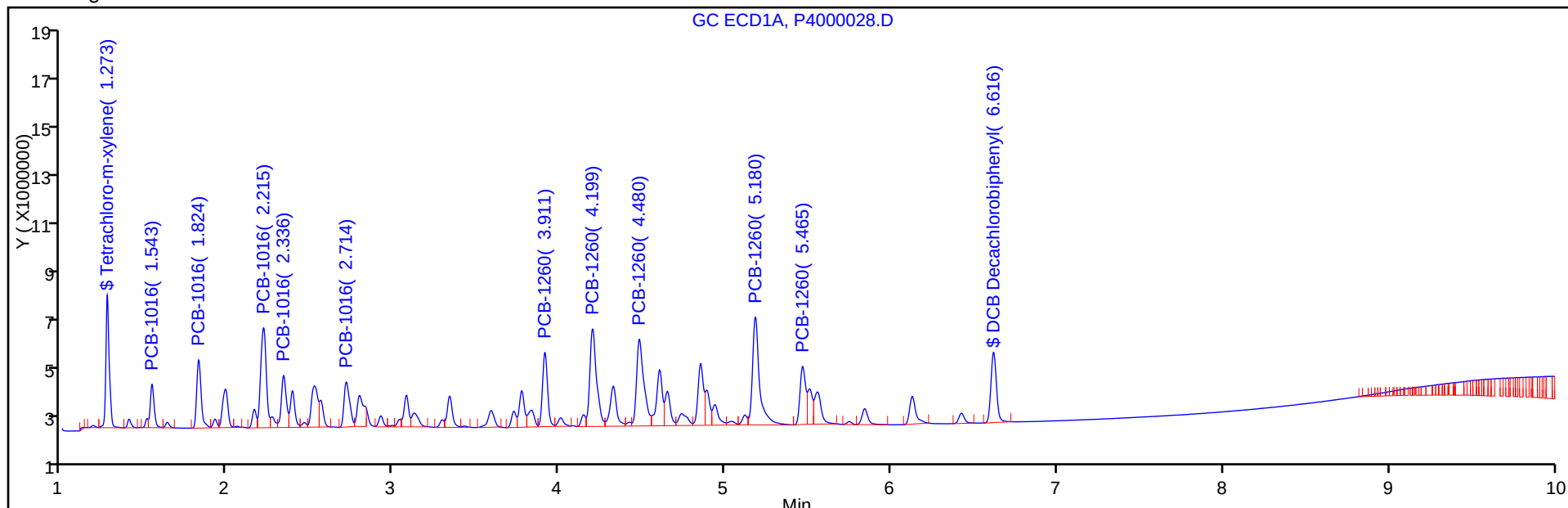
Operator ID:

Injection Vol: 1.0 ul

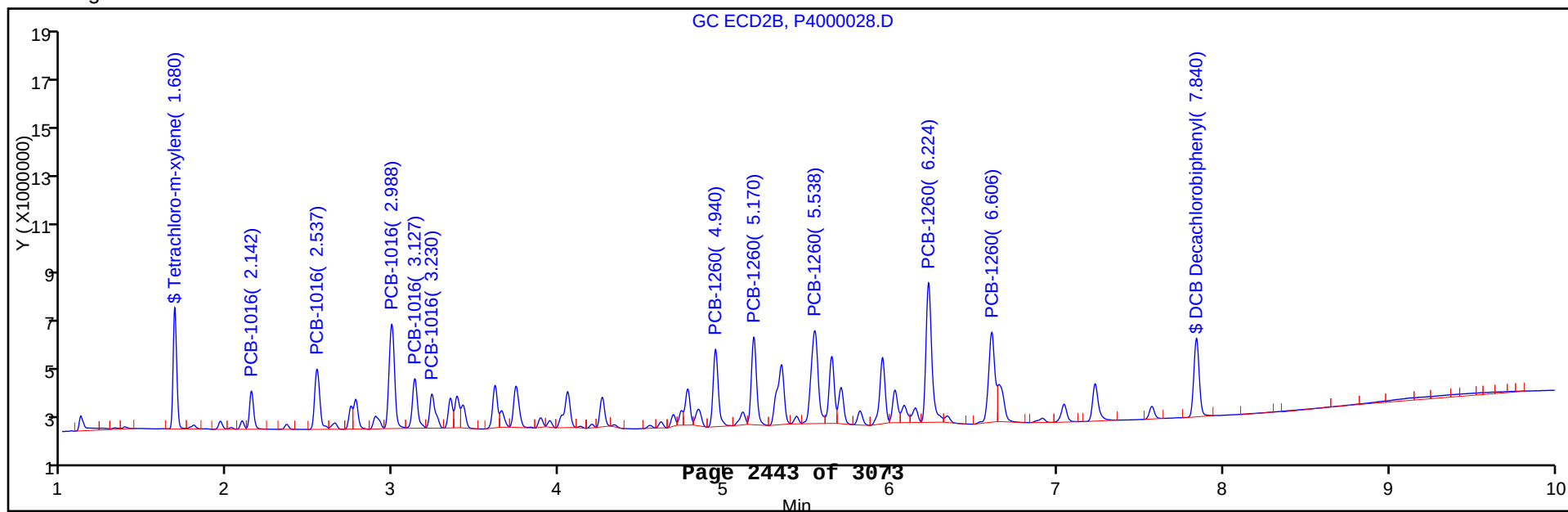
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000029.D
 Lims ID: STD02 1660 Client ID:
 Inject. Date: 15-Apr-2013 06:29:38 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 3
 Sample ID: 240-0018824-029
 Misc. Info.:
 Operator: Instrument ID: A2HP4
 Injection Vol: 1.0 ul ALS Bottle#: 29
 Lims Batch ID: 81761 Lims Sample ID: 29
 Sublist: chrom-PCB4*sub5
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\PCB4.m
 Last Update: 15-Apr-2013 13:05:14 Calib Date: 15-Apr-2013 10:24:45
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK026

First Level Reviewer: hassl

Date: 15-Apr-2013 07:54:52

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

\$ 2 Tetrachloro-m-xylene

1	44	1.273	1.273	0.000	15523707	0.009803			
2	2	1.680	1.680	0.000	15242925	0.009661			

RPD = 1.46

6 PCB-1016

1	100	1.542	1.542	0.000	5514637	0.2032		100.0	
1	2	1.824	1.824	0.000	9982648	0.2039	156.0- 206.0	181.0	
1	3	2.216	2.216	0.000	18604449	0.1991	312.4- 362.4	337.4	
1	4	2.336	2.336	0.000	8478740	0.2021	118.7- 188.7	153.7	
1	5	2.716	2.714	0.002	8307597	0.1959	125.6- 175.6	150.6	
		Average of Peak Amounts =				0.2008			
2	6	2.142	2.142	0.000	5169813	0.2016		100.0	
2	7	2.538	2.538	0.000	10319371	0.2033	169.6- 229.6	199.6	
2	8	2.989	2.989	0.000	19716766	0.1984	351.4- 411.4	381.4	
2	9	3.127	3.127	0.000	8855005	0.2012	141.3- 201.3	171.3	
2	10	3.231	3.230	0.001	6850895	0.2000	102.5- 162.5	132.5	
		Average of Peak Amounts =				0.2009			

RPD = 0.02

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000029.D

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

10 PCB-1260

1	100	3.911	3.911	0.000	12178388	0.1952		100.0	
1	2	4.199	4.199	0.000	21579410	0.1959	152.2- 202.2	177.2	
1	3	4.481	4.479	0.002	20876275	0.1939	146.4- 196.4	171.4	
1	4	5.180	5.178	0.002	25056847	0.1937	180.7- 230.7	205.7	
1	5	5.465	5.464	0.001	10851656	0.1863	64.1- 114.1	89.1	

Average of Peak Amounts = 0.1930

2	6	4.941	4.940	0.001	13065868	0.1899		100.0	
2	7	5.171	5.170	0.001	15359614	0.1924	87.6- 147.6	117.6	
2	8	5.539	5.539	0.000	22819912	0.1931	144.7- 204.7	174.7	
2	9	6.224	6.224	0.000	28442969	0.1951	187.7- 247.7	217.7	
2	10	6.605	6.604	0.001	18939171	0.1959	115.0- 175.0	145.0	

Average of Peak Amounts = 0.1933

RPD = 0.15

\$ 12 DCB Decachlorobiphenyl

1	100	6.616	6.615	0.001	13084050	0.009799			
2	2	7.838	7.839	-0.001	14188016	0.009740			

RPD = 0.60

Report Date: 15-Apr-2013 13:05:15

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000029.D

Injection Date: 15-Apr-2013 06:29:38

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP4

Lims Batch ID: 81761

Lims Sample ID: 29

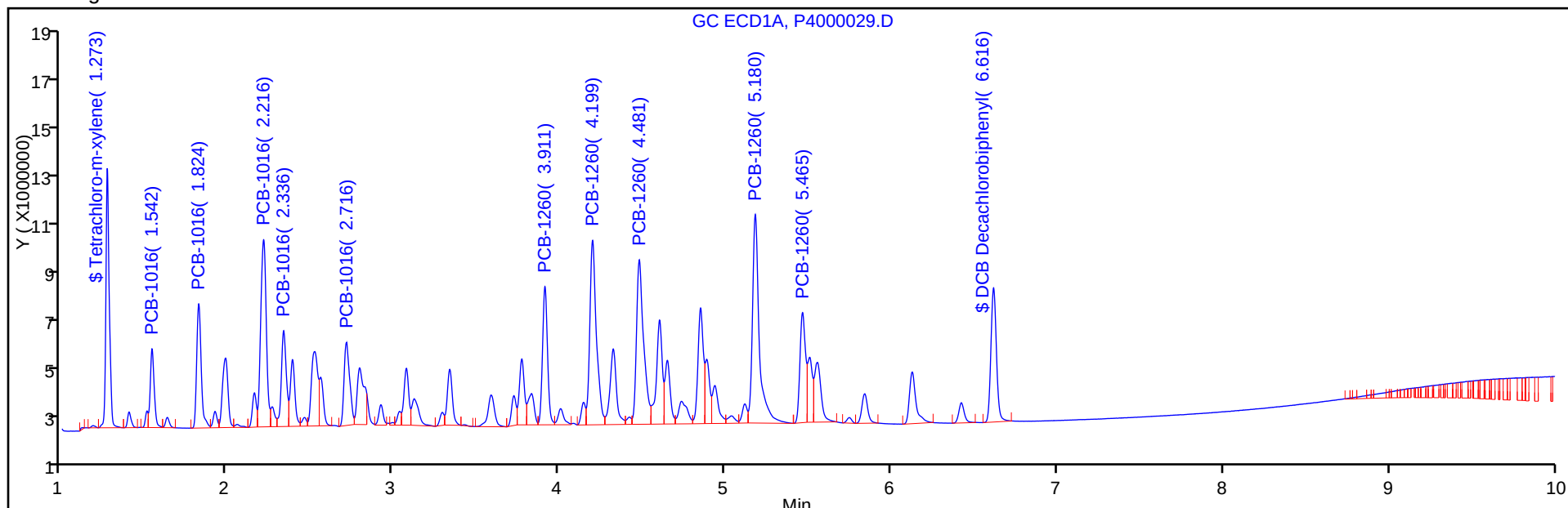
Operator ID:

Injection Vol: 1.0 ul

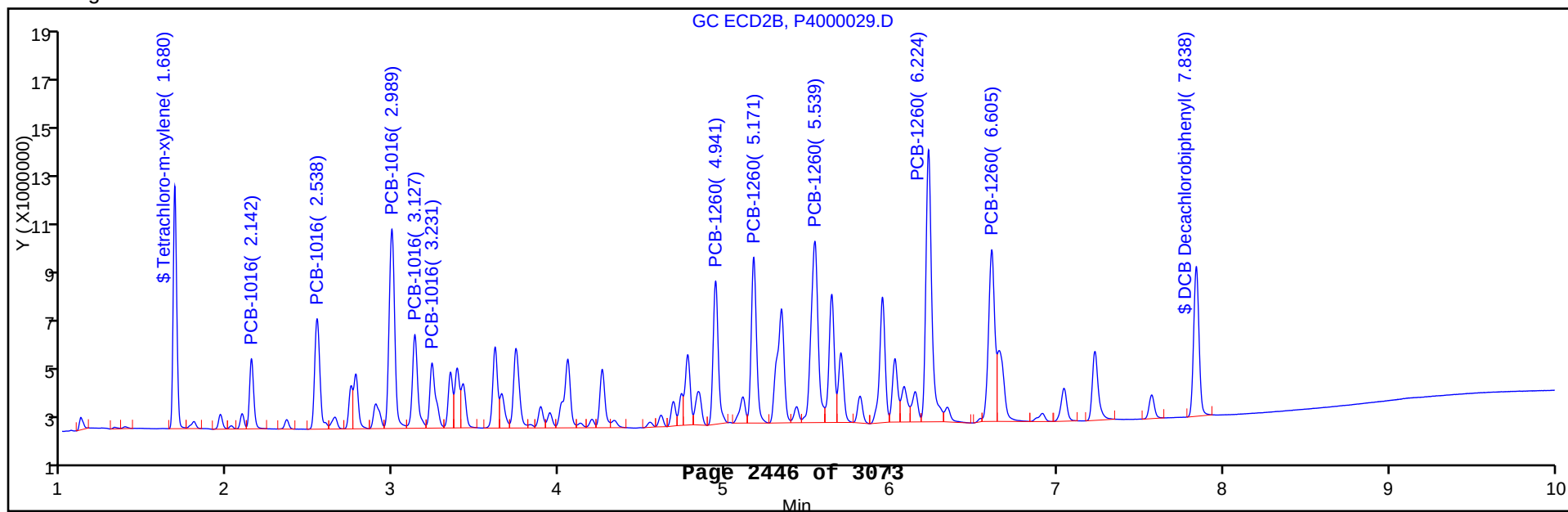
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000030.D
 Lims ID: STD05 1660 Client ID:
 Inject. Date: 15-Apr-2013 06:45:16 Dil. Factor: 1.0000
 Sample Type: ICRT Calib Level: 4
 Sample ID: 240-0018824-030
 Misc. Info.:
 Operator: Instrument ID: A2HP4
 Injection Vol: 1.0 ul ALS Bottle#: 30
 Lims Batch ID: 81761 Lims Sample ID: 30
 Sublist: chrom-PCB4*sub5
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\PCB4.m
 Last Update: 15-Apr-2013 13:05:16 Calib Date: 15-Apr-2013 10:24:45
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK026

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

\$ 2 Tetrachloro-m-xylene

1	44	1.273	1.273	0.000	39507071	0.0249			
2	2	1.680	1.680	0.000	39120759	0.0248			

RPD = 0.62

6 PCB-1016

1	100	1.542	1.542	0.000	13291176	0.4898		100.0	
1	2	1.824	1.824	0.000	23992974	0.4900	156.0- 206.0	180.5	
1	3	2.216	2.216	0.000	47157584	0.5047	312.4- 362.4	354.8	
1	4	2.336	2.336	0.000	21284600	0.5072	118.7- 188.7	160.1	
1	5	2.714	2.714	0.000	21015587	0.4957	125.6- 175.6	158.1	
Average of Peak Amounts =						0.4975			
2	6	2.142	2.142	0.000	12749014	0.4971		100.0	
2	7	2.538	2.538	0.000	25028120	0.4930	169.6- 229.6	196.3	
2	8	2.989	2.989	0.000	50068454	0.5038	351.4- 411.4	392.7	
2	9	3.127	3.127	0.000	21925738	0.4981	141.3- 201.3	172.0	
2	10	3.230	3.230	0.000	17315093	0.5055	102.5- 162.5	135.8	
Average of Peak Amounts =						0.4995			

RPD = 0.41

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000030.D

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

10 PCB-1260

1	100	3.911	3.911	0.000	31124624	0.4988		100.0	
1	2	4.199	4.199	0.000	55160362	0.5009	152.2- 202.2	177.2	
1	3	4.479	4.479	0.000	54595602	0.5071	146.4- 196.4	175.4	
1	4	5.178	5.178	0.000	67776563	0.5239	180.7- 230.7	217.8	
1	5	5.464	5.464	0.000	30390497	0.5218	64.1- 114.1	97.6	

Average of Peak Amounts = 0.5105

2	6	4.940	4.940	0.000	34904658	0.5074		100.0	
2	7	5.170	5.170	0.000	40649954	0.5092	87.6- 147.6	116.5	
2	8	5.539	5.539	0.000	60632386	0.5131	144.7- 204.7	173.7	
2	9	6.224	6.224	0.000	75347283	0.5168	187.7- 247.7	215.9	
2	10	6.604	6.604	0.000	50809068	0.5256	115.0- 175.0	145.6	

Average of Peak Amounts = 0.5144

RPD = 0.77

\$ 12 DCB Decachlorobiphenyl

1	100	6.615	6.615	0.000	33154181	0.0248			
2	2	7.839	7.839	0.000	36003048	0.0247			

RPD = 0.46

Report Date: 15-Apr-2013 13:05:17

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000030.D

Injection Date: 15-Apr-2013 06:45:16

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP4

Lims Batch ID: 81761

Lims Sample ID: 30

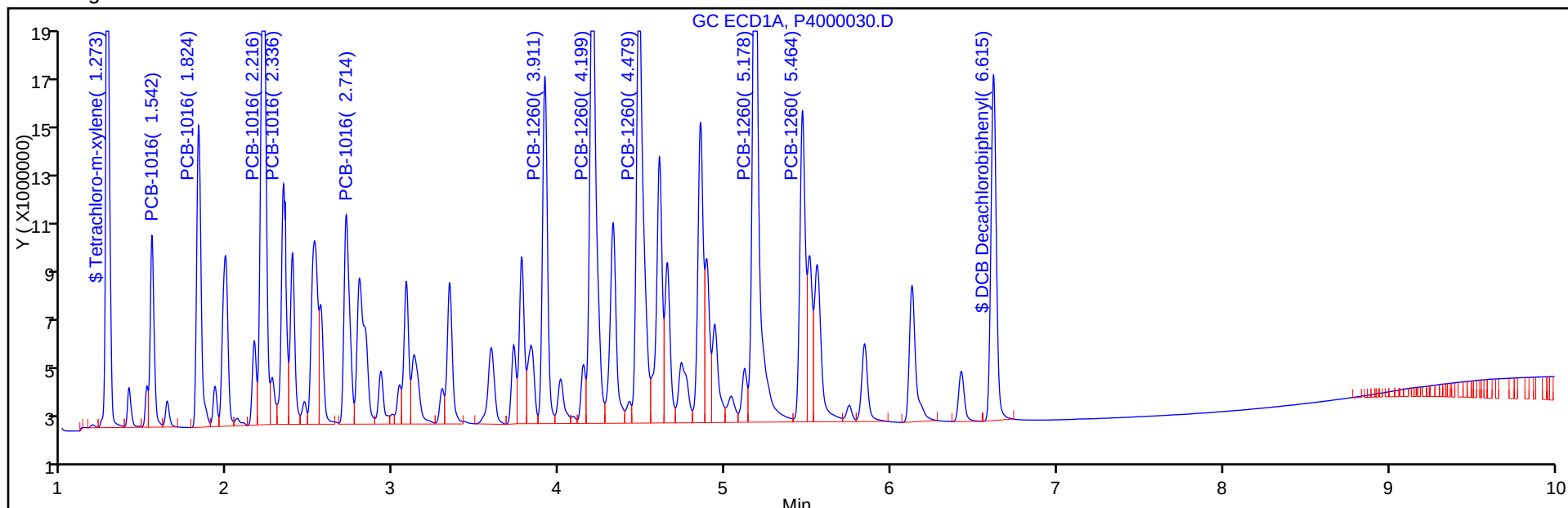
Operator ID:

Injection Vol: 1.0 ul

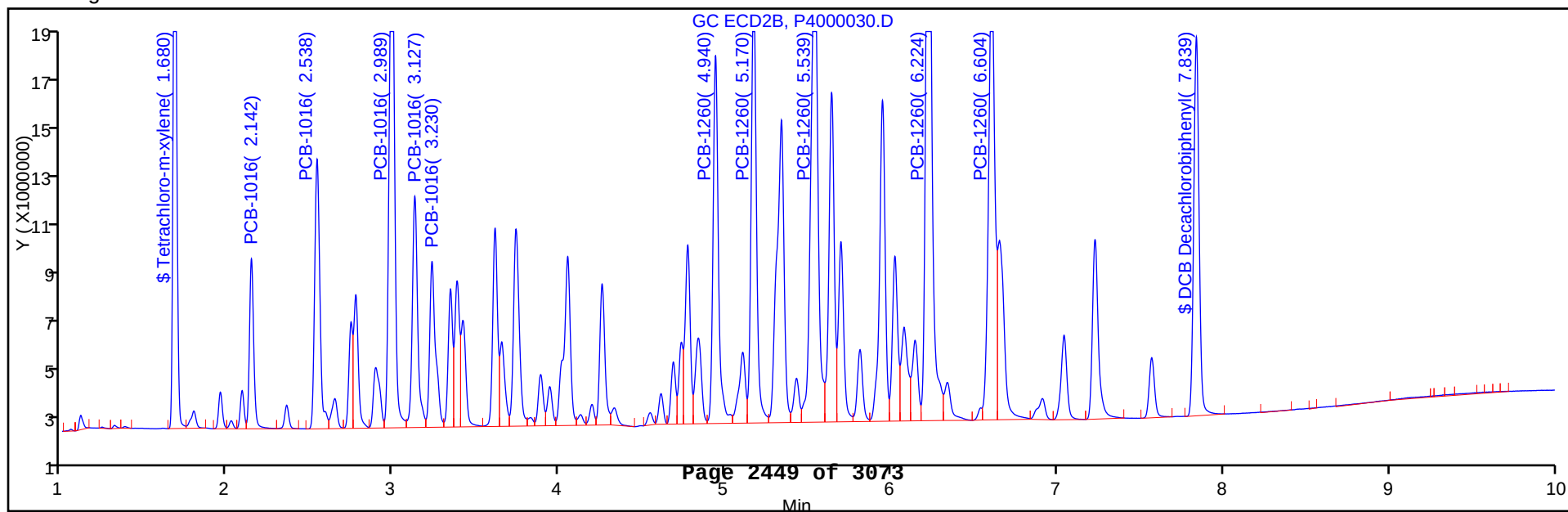
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000031.D
 Lims ID: STD1 1660 Client ID:
 Inject. Date: 15-Apr-2013 07:00:55 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 5
 Sample ID: 240-0018824-031
 Misc. Info.:
 Operator: Instrument ID: A2HP4
 Injection Vol: 1.0 ul ALS Bottle#: 31
 Lims Batch ID: 81761 Lims Sample ID: 31
 Sublist: chrom-PCB4*sub5
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\PCB4.m
 Last Update: 15-Apr-2013 13:05:17 Calib Date: 15-Apr-2013 10:24:45
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK026

First Level Reviewer: hassl

Date: 15-Apr-2013 07:56:47

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

\$ 2 Tetrachloro-m-xylene

1	44	1.273	1.273	0.000	75430646	0.0476			
2	2	1.680	1.680	0.000	76080813	0.0482			

RPD = 1.22

6 PCB-1016

M

1	100	1.542	1.542	0.000	24260203	0.8940		100.0	
1	2	1.824	1.824	0.000	43493540	0.8882	156.0- 206.0	179.3	
1	3	2.216	2.216	0.000	89669755	0.9596	312.4- 362.4	369.6	
1	4	2.336	2.336	0.000	39524466	0.9419	118.7- 188.7	162.9	
1	5	2.714	2.714	0.000	39299859	0.9269	125.6- 175.6	162.0	
		Average of Peak Amounts =				0.9221			
2	6	2.142	2.142	0.000	23215264	0.9051		100.0	
2	7	2.538	2.538	0.000	46013267	0.9063	169.6- 229.6	198.2	M
2	8	2.990	2.989	0.001	95381388	0.9598	351.4- 411.4	410.9	M
2	9	3.127	3.127	0.000	41340948	0.9392	141.3- 201.3	178.1	M
2	10	3.231	3.230	0.001	32939242	0.9617	102.5- 162.5	141.9	M
		Average of Peak Amounts =				0.9344			

RPD = 1.32

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000031.D

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									M
1	100	3.912	3.911	0.001	58486212	0.9373		100.0	
1	2	4.198	4.199	-0.001	103815872	0.9427	152.2- 202.2	177.5	
1	3	4.478	4.479	-0.001	104066785	0.9665	146.4- 196.4	177.9	
1	4	5.179	5.178	0.001	128178666	0.99	180.7- 230.7	219.2	
1	5	5.464	5.464	0.000	57763115	0.99	64.1- 114.1	98.8	
Average of Peak Amounts =						0.9658			
2	6	4.941	4.940	0.001	66378031	0.9650		100.0	M
2	7	5.169	5.170	-0.001	76848773	0.9626	87.6- 147.6	115.8	M
2	8	5.538	5.539	-0.001	115078240	0.9738	144.7- 204.7	173.4	M
2	9	6.223	6.224	-0.001	142695180	0.9786	187.7- 247.7	215.0	M
2	10	6.604	6.604	0.000	98045225	1.01	115.0- 175.0	147.7	M
Average of Peak Amounts =						0.9789			
						RPD = 1.35			
\$ 12 DCB Decachlorobiphenyl									
1	100	6.616	6.615	0.001	60872720	0.0456			
2	2	7.838	7.839	-0.001	65480868	0.0450			
						RPD = 1.41			

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 15-Apr-2013 13:05:19

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000031.D

Injection Date: 15-Apr-2013 07:00:55

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP4

Lims Batch ID: 81761

Lims Sample ID: 31

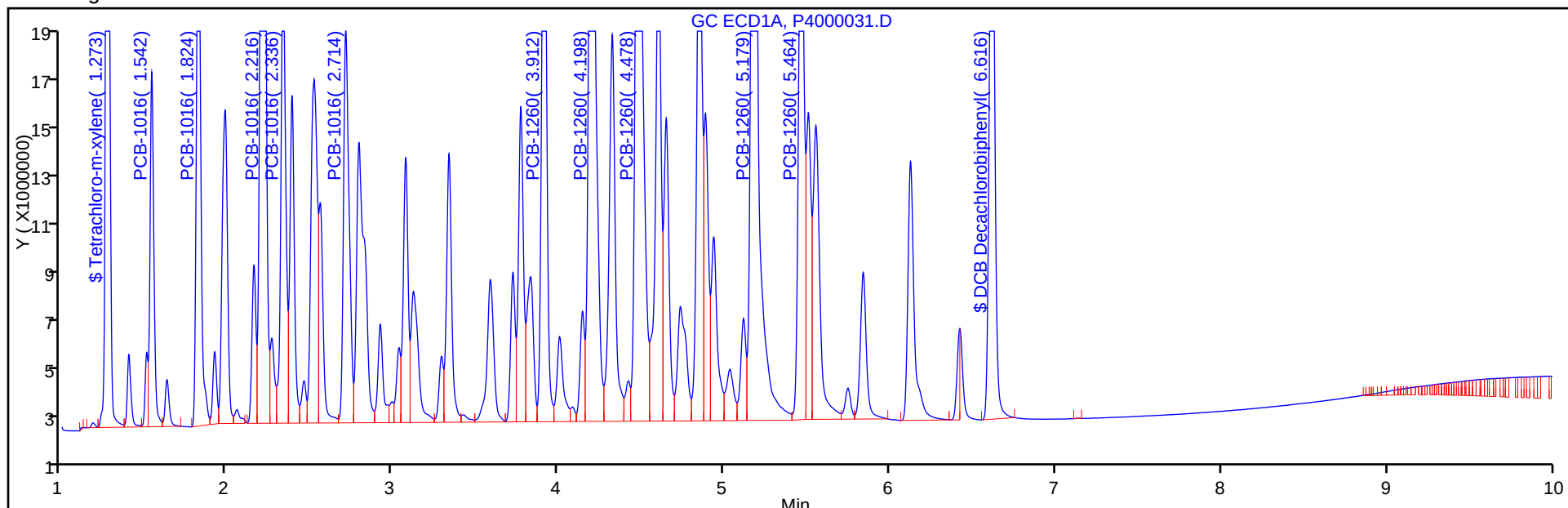
Operator ID:

Injection Vol: 1.0 ul

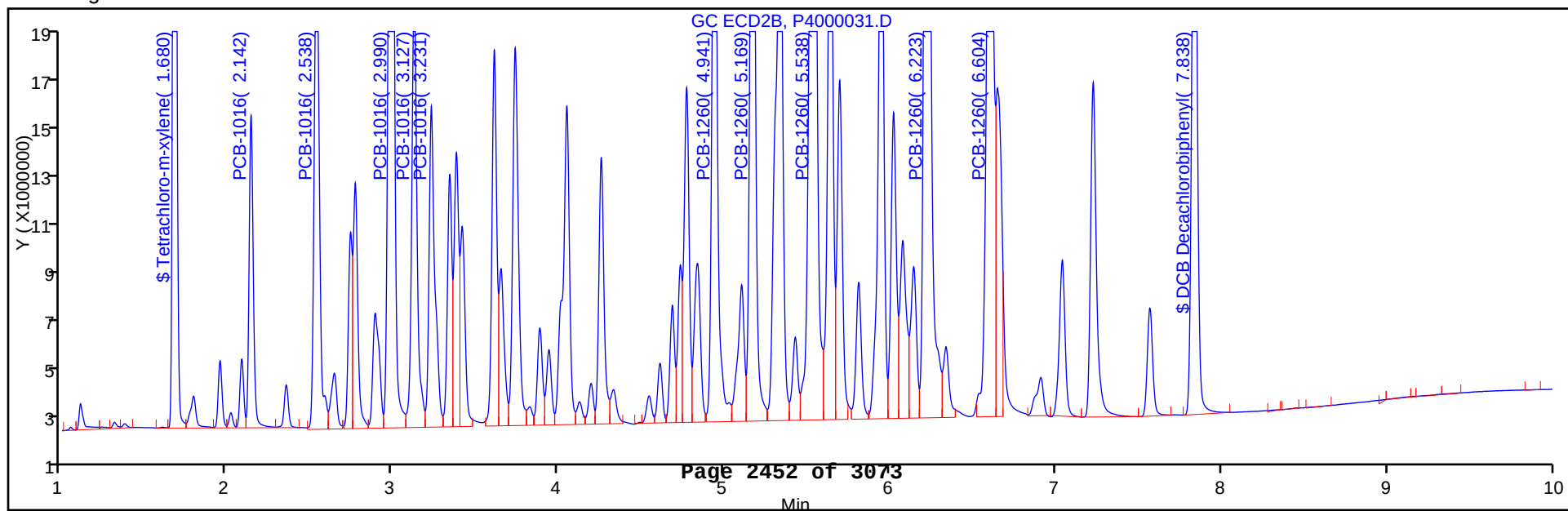
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000032.D
 Lims ID: STD2 1660 Client ID:
 Inject. Date: 15-Apr-2013 07:16:36 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 6
 Sample ID: 240-0018824-032
 Misc. Info.:
 Operator: Instrument ID: A2HP4
 Injection Vol: 1.0 ul ALS Bottle#: 32
 Lims Batch ID: 81761 Lims Sample ID: 32
 Sublist: chrom-PCB4*sub5
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\PCB4.m
 Last Update: 15-Apr-2013 13:05:19 Calib Date: 15-Apr-2013 10:24:45
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK026

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

\$ 2 Tetrachloro-m-xylene

1	44	1.274	1.273	0.001	139633124	0.0882			
2	2	1.680	1.680	0.000	144660958	0.0917			

RPD = 3.90

6 PCB-1016

1	100	1.543	1.542	0.001	45467307	1.68		100.0	
1	2	1.824	1.824	0.000	81405825	1.66	156.0- 206.0	179.0	
1	3	2.215	2.216	-0.001	173782886	1.86	312.4- 362.4	382.2	
1	4	2.335	2.336	-0.001	76582147	1.83	118.7- 188.7	168.4	
1	5	2.714	2.714	0.000	76719668	1.81	125.6- 175.6	168.7	
Average of Peak Amounts =						1.77			
2	6	2.142	2.142	0.000	43341046	1.69		100.0	
2	7	2.538	2.538	0.000	84639763	1.67	169.6- 229.6	195.3	
2	8	2.989	2.989	0.000	182329208	1.83	351.4- 411.4	420.7	
2	9	3.127	3.127	0.000	78363562	1.78	141.3- 201.3	180.8	
2	10	3.229	3.230	-0.001	62977595	1.84	102.5- 162.5	145.3	
Average of Peak Amounts =						1.76			

RPD = 0.25

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000032.D

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

10 PCB-1260

1	100	3.911	3.911	0.000	113608262	1.82		100.0	
1	2	4.198	4.199	-0.001	201639590	1.83	152.2- 202.2	177.5	
1	3	4.478	4.479	-0.001	205014119	1.90	146.4- 196.4	180.5	
1	4	5.177	5.178	-0.001	252349773	1.95	180.7- 230.7	222.1	
1	5	5.463	5.464	-0.001	116579268	2.00	64.1- 114.1	102.6	
Average of Peak Amounts =						1.90			
2	6	4.940	4.940	0.000	126295696	1.84		100.0	
2	7	5.169	5.170	-0.001	149487757	1.87	87.6- 147.6	118.4	
2	8	5.536	5.539	-0.003	225926327	1.91	144.7- 204.7	178.9	
2	9	6.223	6.224	-0.001	280614663	1.92	187.7- 247.7	222.2	
2	10	6.603	6.604	-0.001	192580448	1.99	115.0- 175.0	152.5	
Average of Peak Amounts =						1.91			

RPD = 0.31

\$ 12 DCB Decachlorobiphenyl

1	100	6.615	6.615	0.000	115275771	0.0863			
2	2	7.838	7.839	-0.001	122400065	0.0840			

RPD = 2.71

Report Date: 15-Apr-2013 13:05:20

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000032.D

Injection Date: 15-Apr-2013 07:16:36

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP4

Lims Batch ID: 81761

Lims Sample ID: 32

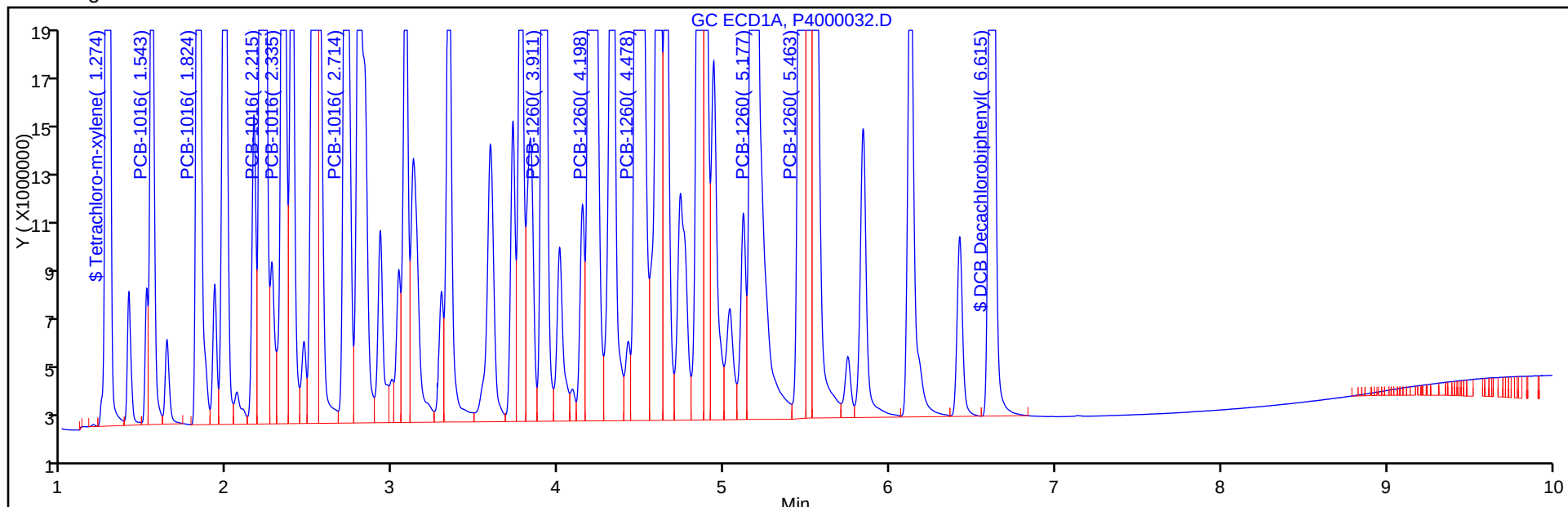
Operator ID:

Injection Vol: 1.0 ul

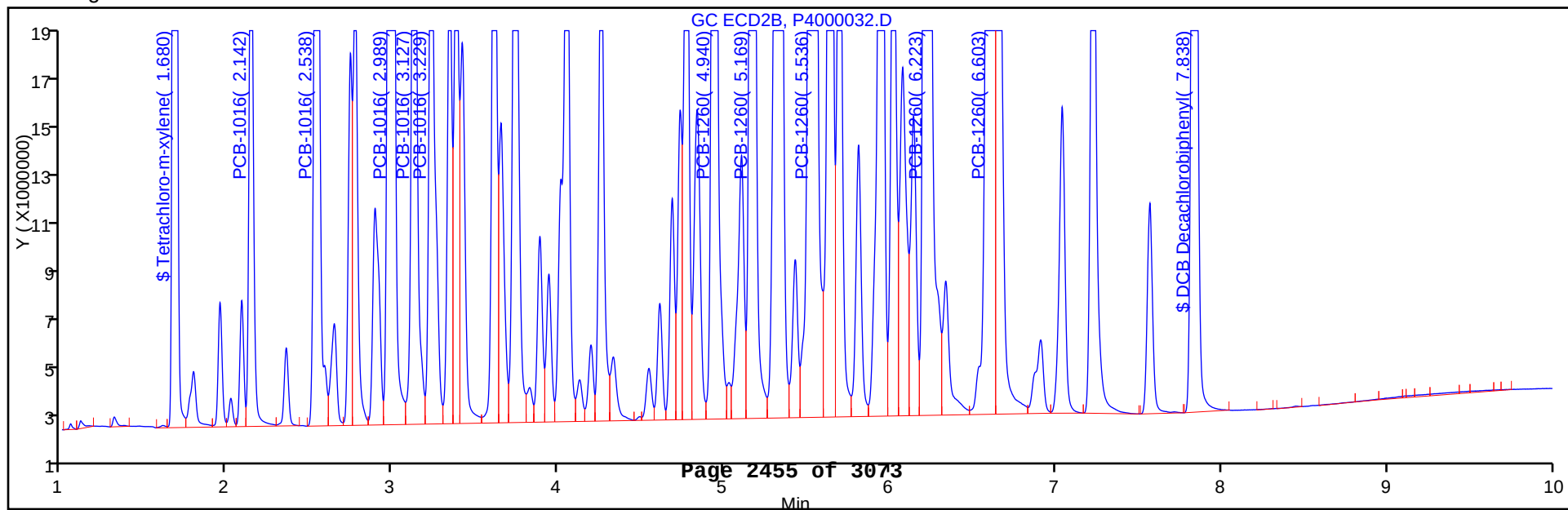
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22852-1 Analy Batch No.: 81761

SDG No.: _____

Instrument ID: A2HP4 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/15/2013 05:58 Calibration End Date: 04/15/2013 07:16 Calibration ID: 14534

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-81761/27	P4000027.D
Level 2	STD01 240-81761/28	P4000028.D
Level 3	STD02 240-81761/29	P4000029.D
Level 4	STD05 240-81761/30	P4000030.D
Level 5	STD1 240-81761/31	P4000031.D
Level 6	STD2 240-81761/32	P4000032.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
PCB-1016 Peak 1	2.144	2.142	2.142	2.142	2.142	2.142					2.042 - 2.242	2.142
PCB-1016 Peak 2	2.539	2.537	2.538	2.538	2.538	2.538					2.438 - 2.638	2.538
PCB-1016 Peak 3	2.989	2.988	2.989	2.989	2.990	2.989					2.889 - 3.089	2.989
PCB-1016 Peak 4	3.128	3.127	3.127	3.127	3.127	3.127					3.027 - 3.227	3.127
PCB-1016 Peak 5	3.232	3.230	3.231	3.230	3.231	3.229					3.130 - 3.330	3.231
PCB-1260 Peak 1	4.940	4.940	4.941	4.940	4.941	4.940					4.840 - 5.040	4.940
PCB-1260 Peak 2	5.170	5.170	5.171	5.170	5.169	5.169					5.070 - 5.270	5.170
PCB-1260 Peak 3	5.538	5.538	5.539	5.539	5.538	5.536					5.439 - 5.639	5.538
PCB-1260 Peak 4	6.223	6.224	6.224	6.224	6.223	6.223					6.124 - 6.324	6.224
PCB-1260 Peak 5	6.605	6.606	6.605	6.604	6.604	6.603					6.504 - 6.704	6.605
Tetrachloro-m-xylene	1.682	1.680	1.680	1.680	1.680	1.680					1.580 - 1.780	1.680
DCB Decachlorobiphenyl	7.839	7.840	7.838	7.839	7.838	7.838					7.739 - 7.939	7.839

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-22852-1 Analy Batch No.: 81761

SDG No.: _____

Instrument ID: A2HP4 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/15/2013 05:58 Calibration End Date: 04/15/2013 07:16 Calibration ID: 14534

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-81761/27	P4000027.D
Level 2	STD01 240-81761/28	P4000028.D
Level 3	STD02 240-81761/29	P4000029.D
Level 4	STD05 240-81761/30	P4000030.D
Level 5	STD1 240-81761/31	P4000031.D
Level 6	STD2 240-81761/32	P4000032.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								
PCB-1016 Peak 1	29503820 23215264	28152740 21670523	25849065	25498028	Ave		25648240.0				11.0		20.0			
PCB-1016 Peak 2	58958580 46013267	55682150 42319882	51596855	50056240	Ave		50771162.3				12.0		20.0			
PCB-1016 Peak 3	108308080 95381388	102702140 91164604	98583830	100136908	Ave		99379491.7				6.0		20.0			
PCB-1016 Peak 4	50038720 41340948	45421490 39181781	44275025	43851476	Ave		44018240.0				8.4		20.0			
PCB-1016 Peak 5	37868620 32939242	34327770 31488798	34254475	34630186	Ave		34251515.1				6.2		20.0			
PCB-1260 Peak 1	76858220 66378031	71194520 63147848	65329340	69809316	Ave		68786212.5				7.2		20.0			
PCB-1260 Peak 2	88859340 76848773	80442340 74743879	76798070	81299908	Ave		79832051.6				6.3		20.0			
PCB-1260 Peak 3	128444800 115078240	117169000 112963164	114099560	121264772	Ave		118169923				4.9		20.0			
PCB-1260 Peak 4	153839180 142695180	145101680 140307332	142214845	150694566	Ave		145808797				3.7		20.0			
PCB-1260 Peak 5	86608980 98045225	102719150 96290224	94695855	101618136	Ave		96662928.3				6.0		20.0			
Tetrachloro-m-xylene	1867810000 1521616260	1541781600 1446609580	1524292500	1564830360	Ave		1577823383				9.3		20.0			
DCB Decachlorobiphenyl	1843107200 1309617360	1504065600 1224000650	1418801600	1440121920	Ave		1456619055				15.0		20.0			

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

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-22852-1 Analy Batch No.: 81761

SDG No.: _____

Instrument ID: A2HP4 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/15/2013 05:58 Calibration End Date: 04/15/2013 07:16 Calibration ID: 14534

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-81761/27	P4000027.D
Level 2	STD01 240-81761/28	P4000028.D
Level 3	STD02 240-81761/29	P4000029.D
Level 4	STD05 240-81761/30	P4000030.D
Level 5	STD1 240-81761/31	P4000031.D
Level 6	STD2 240-81761/32	P4000032.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1016 Peak 1	Ave	1475191 43341046	2815274	5169813	12749014	23215264	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1016 Peak 2	Ave	2947929 84639763	5568215	10319371	25028120	46013267	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1016 Peak 3	Ave	5415404 182329208	10270214	19716766	50068454	95381388	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1016 Peak 4	Ave	2501936 78363562	4542149	8855005	21925738	41340948	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1016 Peak 5	Ave	1893431 62977595	3432777	6850895	17315093	32939242	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1260 Peak 1	Ave	3842911 126295696	7119452	13065868	34904658	66378031	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1260 Peak 2	Ave	4442967 149487757	8044234	15359614	40649954	76848773	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1260 Peak 3	Ave	6422240 225926327	11716900	22819912	60632386	115078240	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1260 Peak 4	Ave	7691959 280614663	14510168	28442969	75347283	142695180	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1260 Peak 5	Ave	4330449 192580448	10271915	18939171	50809068	98045225	0.0500 2.00	0.100	0.200	0.500	1.00
Tetrachloro-m-xylene	Ave	4669525 144660958	7708908	15242925	39120759	76080813	0.00250 0.100	0.00500	0.0100	0.0250	0.0500
DCB Decachlorobiphenyl	Ave	4607768 122400065	7520328	14188016	36003048	65480868	0.00250 0.100	0.00500	0.0100	0.0250	0.0500

Curve Type Legend:

Ave = Average

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000027.D
 Lims ID: STD005 1660 Client ID:
 Inject. Date: 15-Apr-2013 05:58:18 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 1
 Sample ID: 240-0018824-027
 Misc. Info.:
 Operator: Instrument ID: A2HP4
 Injection Vol: 1.0 ul ALS Bottle#: 27
 Lims Batch ID: 81761 Lims Sample ID: 27
 Sublist: chrom-PCB4*sub5
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\PCB4.m
 Last Update: 15-Apr-2013 13:05:11 Calib Date: 15-Apr-2013 10:24:45
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK026

First Level Reviewer: hassl

Date: 15-Apr-2013 07:54:26

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

\$ 2 Tetrachloro-m-xylene

1	44	1.274	1.273	0.001	4701366	0.002969			
2	2	1.682	1.680	0.002	4669525	0.002959			

RPD = 0.31

6 PCB-1016

1	100	1.544	1.542	0.002	1591882	0.0587		100.0	
1	2	1.826	1.824	0.002	2868608	0.0586	156.0- 206.0	180.2	
1	3	2.218	2.216	0.002	4864265	0.0521	312.4- 362.4	305.6	
1	4	2.337	2.336	0.001	2151832	0.0513	118.7- 188.7	135.2	
1	5	2.714	2.714	0.000	2395345	0.0565	125.6- 175.6	150.5	
		Average of Peak Amounts =				0.0554			
2	6	2.144	2.142	0.002	1475191	0.0575		100.0	
2	7	2.539	2.538	0.001	2947929	0.0581	169.6- 229.6	199.8	
2	8	2.989	2.989	0.000	5415404	0.0545	351.4- 411.4	367.1	
2	9	3.128	3.127	0.001	2501936	0.0568	141.3- 201.3	169.6	
2	10	3.232	3.230	0.002	1893431	0.0553	102.5- 162.5	128.4	
		Average of Peak Amounts =				0.0564			

RPD = 1.83

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000027.D

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									M
1	100	3.912	3.911	0.001	3490760	0.0559		100.0	
1	2	4.199	4.199	0.000	6060581	0.0550	152.2- 202.2	173.6	
1	3	4.480	4.479	0.001	5669938	0.0527	146.4- 196.4	162.4	
1	4	5.180	5.178	0.002	6378035	0.0493	180.7- 230.7	182.7	
1	5	5.465	5.464	0.001	3026100	0.0520	64.1- 114.1	86.7	
Average of Peak Amounts =						0.0530			
2	6	4.940	4.940	0.000	3842911	0.0559		100.0	
2	7	5.170	5.170	0.000	4442967	0.0557	87.6- 147.6	115.6	
2	8	5.538	5.539	-0.001	6422240	0.0543	144.7- 204.7	167.1	
2	9	6.223	6.224	-0.001	7691959	0.0528	187.7- 247.7	200.2	
2	10	6.605	6.604	0.001	4330449	0.0448	115.0- 175.0	112.7	M
Average of Peak Amounts =						0.0527			
						RPD = 0.55			
\$ 12 DCB Decachlorobiphenyl									
1	100	6.616	6.615	0.001	4080716	0.003056			
2	2	7.839	7.839	0.000	4607768	0.003163			
						RPD = 3.44			

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 15-Apr-2013 13:05:12

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000027.D

Injection Date: 15-Apr-2013 05:58:18

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP4

Lims Batch ID: 81761

Lims Sample ID: 27

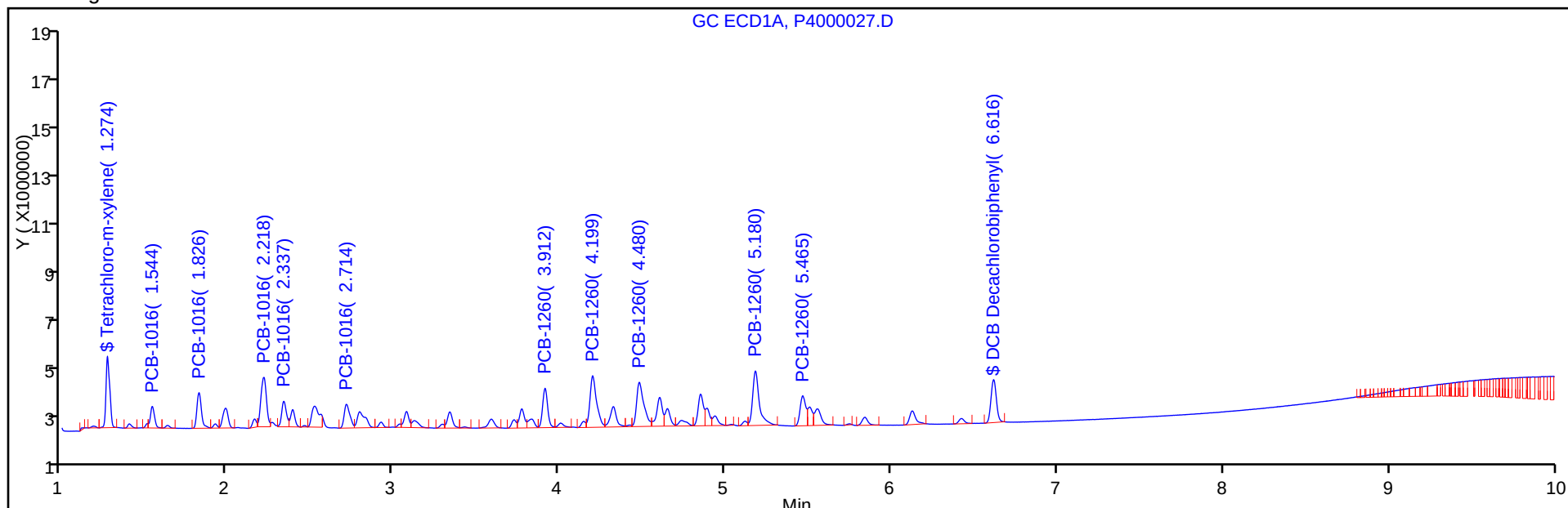
Operator ID:

Injection Vol: 1.0 ul

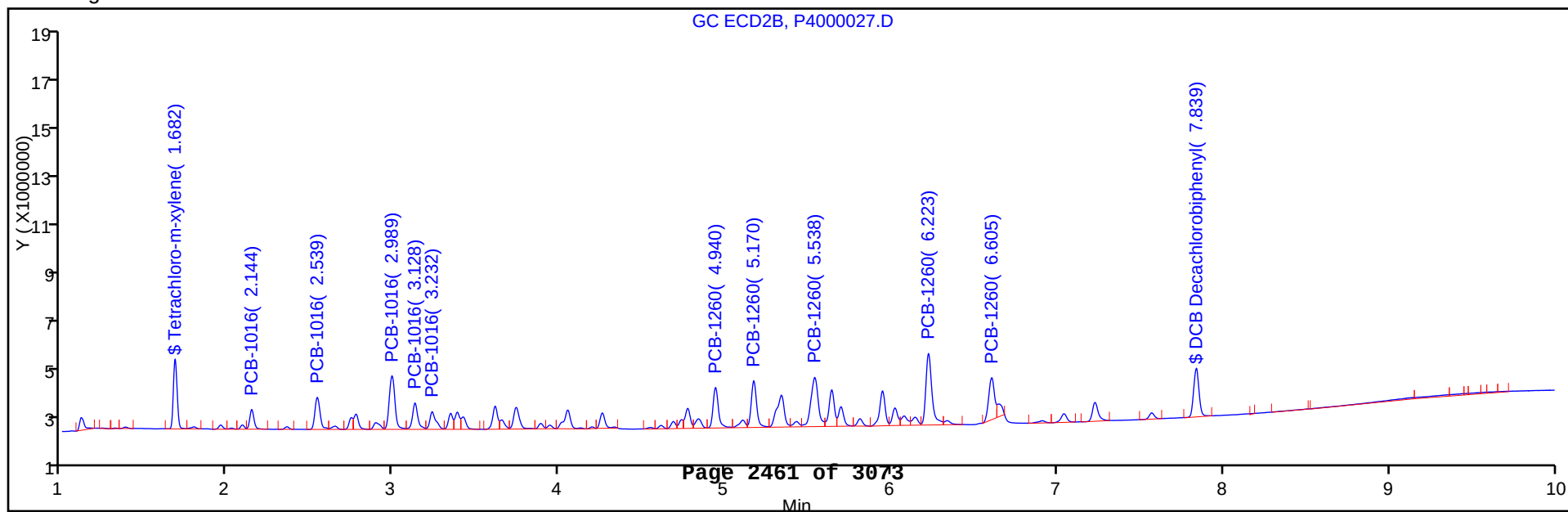
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000027.D

Injection Date: 15-Apr-2013 05:58:18

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP4

Lims Batch ID: 81761

Lims Sample ID: 27

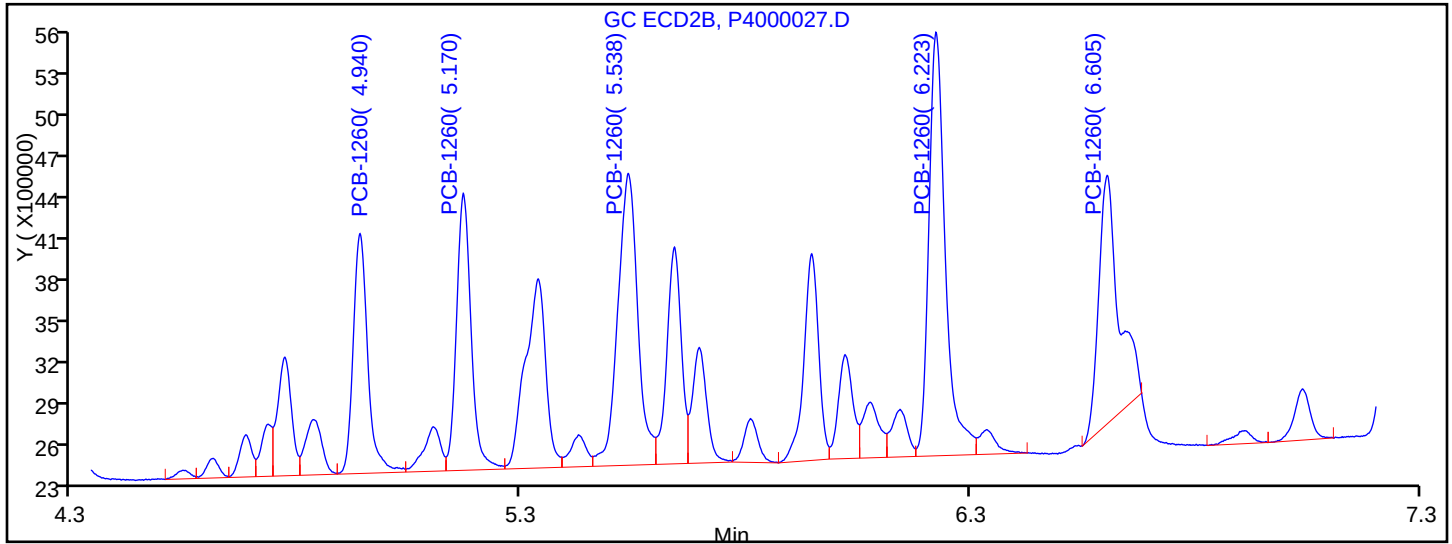
Operator ID:

Injection Vol: 1.0 ul

Column Type:

Column Dia:

10 PCB-1260, Detector: 2, GC ecd2b



Processing Integration Results

RT = 4.940 Response = 3842911

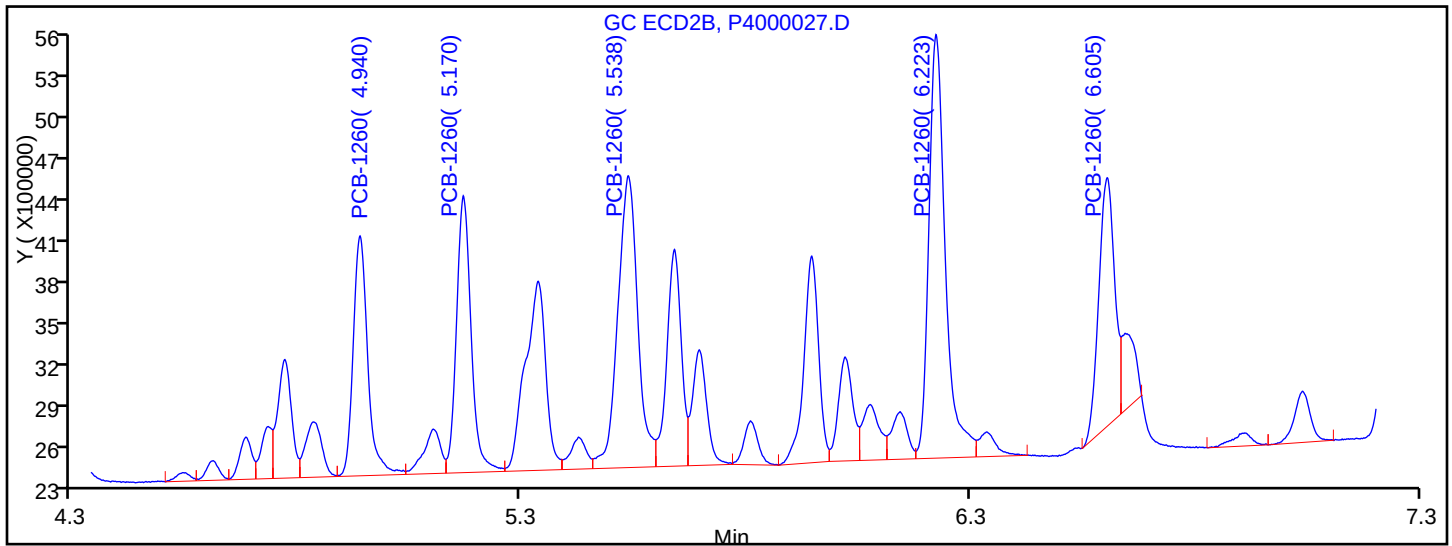
RT = 5.170 Response = 4442967

RT = 5.538 Response = 6422240

RT = 6.223 Response = 7691959

RT = 6.605 Response = 5419116

M



Manual Integration Results

RT = 4.940 Response = 3842911

RT = 5.170 Response = 4442967

RT = 5.538 Response = 6422240

RT = 6.223 Response = 7691959

RT = 6.605 Response = 4330449

M

Reviewer: hassl, 15-Apr-2013 07:54:26

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000028.D
 Lims ID: STD01 1660 Client ID:
 Inject. Date: 15-Apr-2013 06:13:58 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 2
 Sample ID: 240-0018824-028
 Misc. Info.:
 Operator: Instrument ID: A2HP4
 Injection Vol: 1.0 ul ALS Bottle#: 28
 Lims Batch ID: 81761 Lims Sample ID: 28
 Sublist: chrom-PCB4*sub5
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\PCB4.m
 Last Update: 15-Apr-2013 13:05:13 Calib Date: 15-Apr-2013 10:24:45
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK026

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

\$ 2 Tetrachloro-m-xylene

1	44	1.273	1.273	0.000	7917499	0.005000			
2	2	1.680	1.680	0.000	7708908	0.004886			

RPD = 2.30

6 PCB-1016

1	100	1.543	1.542	0.001	2983667	0.1099		100.0	
1	2	1.824	1.824	0.000	5433503	0.1110	156.0- 206.0	182.1	
1	3	2.215	2.216	-0.001	9945659	0.1064	312.4- 362.4	333.3	
1	4	2.336	2.336	0.000	4595862	0.1095	118.7- 188.7	154.0	
1	5	2.714	2.714	0.000	4525845	0.1067	125.6- 175.6	151.7	
Average of Peak Amounts =						0.1087			
2	6	2.142	2.142	0.000	2815274	0.1098		100.0	
2	7	2.537	2.538	-0.001	5568215	0.1097	169.6- 229.6	197.8	
2	8	2.988	2.989	-0.001	10270214	0.1033	351.4- 411.4	364.8	
2	9	3.127	3.127	0.000	4542149	0.1032	141.3- 201.3	161.3	
2	10	3.230	3.230	0.000	3432777	0.1002	102.5- 162.5	121.9	
Average of Peak Amounts =						0.1052			

RPD = 3.26

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000028.D

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

10 PCB-1260

1	100	3.911	3.911	0.000	6615534	0.1060		100.0	
1	2	4.199	4.199	0.000	11670366	0.1060	152.2- 202.2	176.4	
1	3	4.480	4.479	0.001	11246589	0.1045	146.4- 196.4	170.0	
1	4	5.180	5.178	0.002	13350557	0.1032	180.7- 230.7	201.8	
1	5	5.465	5.464	0.001	5785383	0.0993	64.1- 114.1	87.5	
Average of Peak Amounts =						0.1038			
2	6	4.940	4.940	0.000	7119452	0.1035		100.0	
2	7	5.170	5.170	0.000	8044234	0.1008	87.6- 147.6	113.0	
2	8	5.538	5.539	-0.001	11716900	0.0992	144.7- 204.7	164.6	
2	9	6.224	6.224	0.000	14510168	0.0995	187.7- 247.7	203.8	
2	10	6.606	6.604	0.002	10271915	0.1063	115.0- 175.0	144.3	
Average of Peak Amounts =						0.1018			

RPD = 1.90

\$ 12 DCB Decachlorobiphenyl

1	100	6.616	6.615	0.001	6871160	0.005146			
2	2	7.840	7.839	0.001	7520328	0.005163			

RPD = 0.33

Report Date: 15-Apr-2013 13:05:14

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000028.D

Injection Date: 15-Apr-2013 06:13:58

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP4

Lims Batch ID: 81761

Lims Sample ID: 28

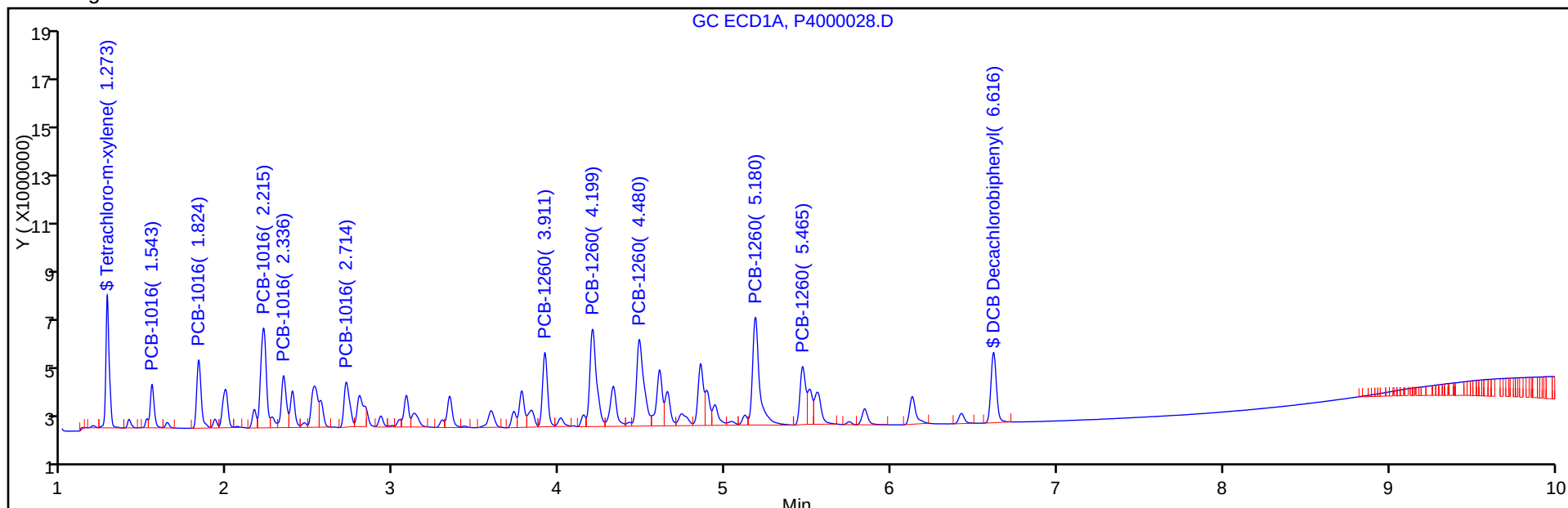
Operator ID:

Injection Vol: 1.0 ul

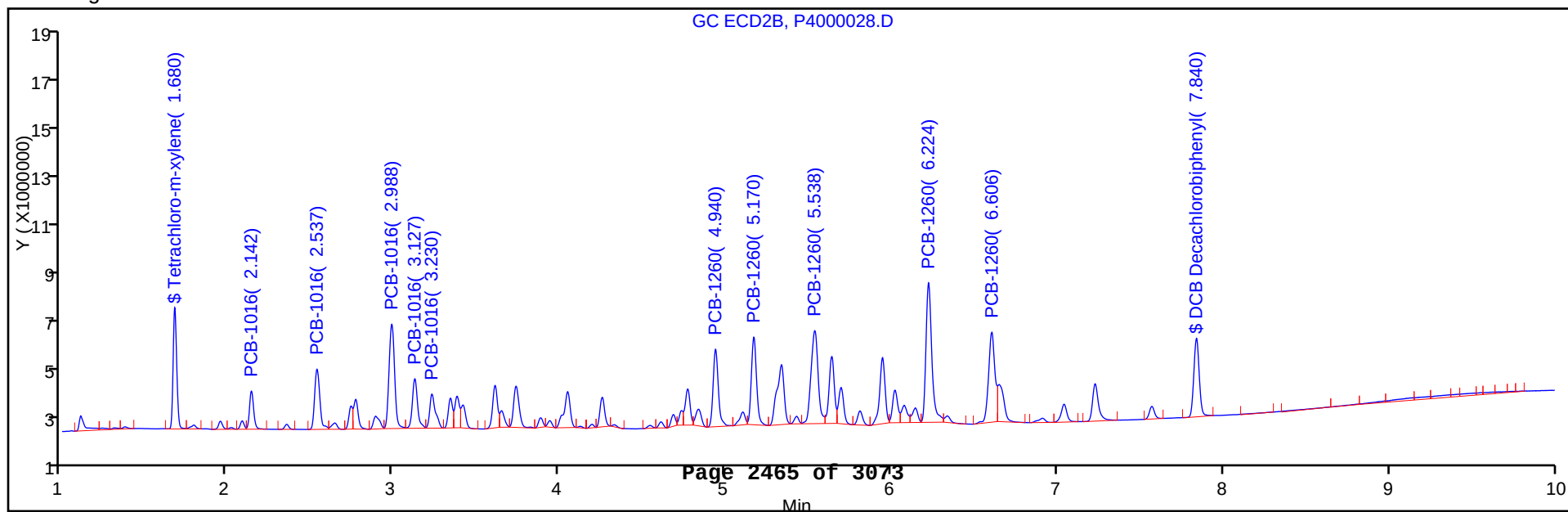
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000029.D
 Lims ID: STD02 1660 Client ID:
 Inject. Date: 15-Apr-2013 06:29:38 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 3
 Sample ID: 240-0018824-029
 Misc. Info.:
 Operator: Instrument ID: A2HP4
 Injection Vol: 1.0 ul ALS Bottle#: 29
 Lims Batch ID: 81761 Lims Sample ID: 29
 Sublist: chrom-PCB4*sub5
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\PCB4.m
 Last Update: 15-Apr-2013 13:05:14 Calib Date: 15-Apr-2013 10:24:45
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK026

First Level Reviewer: hassl

Date: 15-Apr-2013 07:54:52

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

\$ 2 Tetrachloro-m-xylene

1	44	1.273	1.273	0.000	15523707	0.009803			
2	2	1.680	1.680	0.000	15242925	0.009661			

RPD = 1.46

6 PCB-1016

1	100	1.542	1.542	0.000	5514637	0.2032		100.0	
1	2	1.824	1.824	0.000	9982648	0.2039	156.0- 206.0	181.0	
1	3	2.216	2.216	0.000	18604449	0.1991	312.4- 362.4	337.4	
1	4	2.336	2.336	0.000	8478740	0.2021	118.7- 188.7	153.7	
1	5	2.716	2.714	0.002	8307597	0.1959	125.6- 175.6	150.6	
		Average of Peak Amounts =				0.2008			
2	6	2.142	2.142	0.000	5169813	0.2016		100.0	
2	7	2.538	2.538	0.000	10319371	0.2033	169.6- 229.6	199.6	
2	8	2.989	2.989	0.000	19716766	0.1984	351.4- 411.4	381.4	
2	9	3.127	3.127	0.000	8855005	0.2012	141.3- 201.3	171.3	
2	10	3.231	3.230	0.001	6850895	0.2000	102.5- 162.5	132.5	
		Average of Peak Amounts =				0.2009			

RPD = 0.02

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000029.D

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

10 PCB-1260

1	100	3.911	3.911	0.000	12178388	0.1952		100.0	
1	2	4.199	4.199	0.000	21579410	0.1959	152.2- 202.2	177.2	
1	3	4.481	4.479	0.002	20876275	0.1939	146.4- 196.4	171.4	
1	4	5.180	5.178	0.002	25056847	0.1937	180.7- 230.7	205.7	
1	5	5.465	5.464	0.001	10851656	0.1863	64.1- 114.1	89.1	

Average of Peak Amounts = 0.1930

2	6	4.941	4.940	0.001	13065868	0.1899		100.0	
2	7	5.171	5.170	0.001	15359614	0.1924	87.6- 147.6	117.6	
2	8	5.539	5.539	0.000	22819912	0.1931	144.7- 204.7	174.7	
2	9	6.224	6.224	0.000	28442969	0.1951	187.7- 247.7	217.7	
2	10	6.605	6.604	0.001	18939171	0.1959	115.0- 175.0	145.0	

Average of Peak Amounts = 0.1933

RPD = 0.15

\$ 12 DCB Decachlorobiphenyl

1	100	6.616	6.615	0.001	13084050	0.009799			
2	2	7.838	7.839	-0.001	14188016	0.009740			

RPD = 0.60

Report Date: 15-Apr-2013 13:05:16

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000029.D

Injection Date: 15-Apr-2013 06:29:38

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP4

Lims Batch ID: 81761

Lims Sample ID: 29

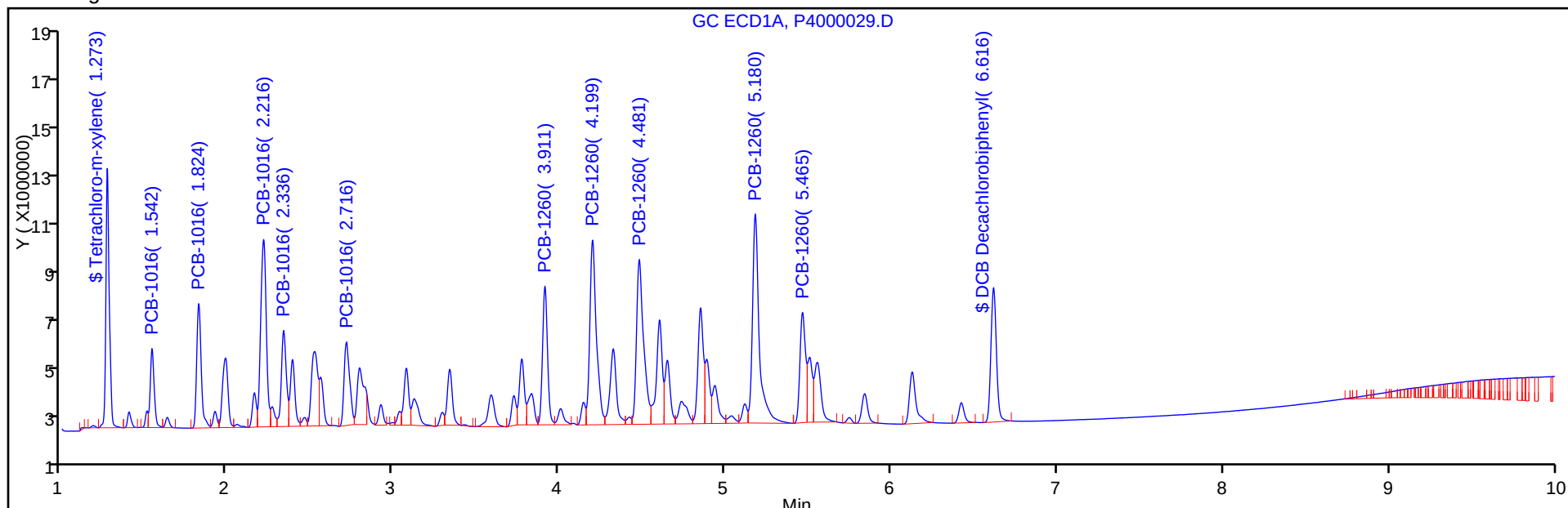
Operator ID:

Injection Vol: 1.0 ul

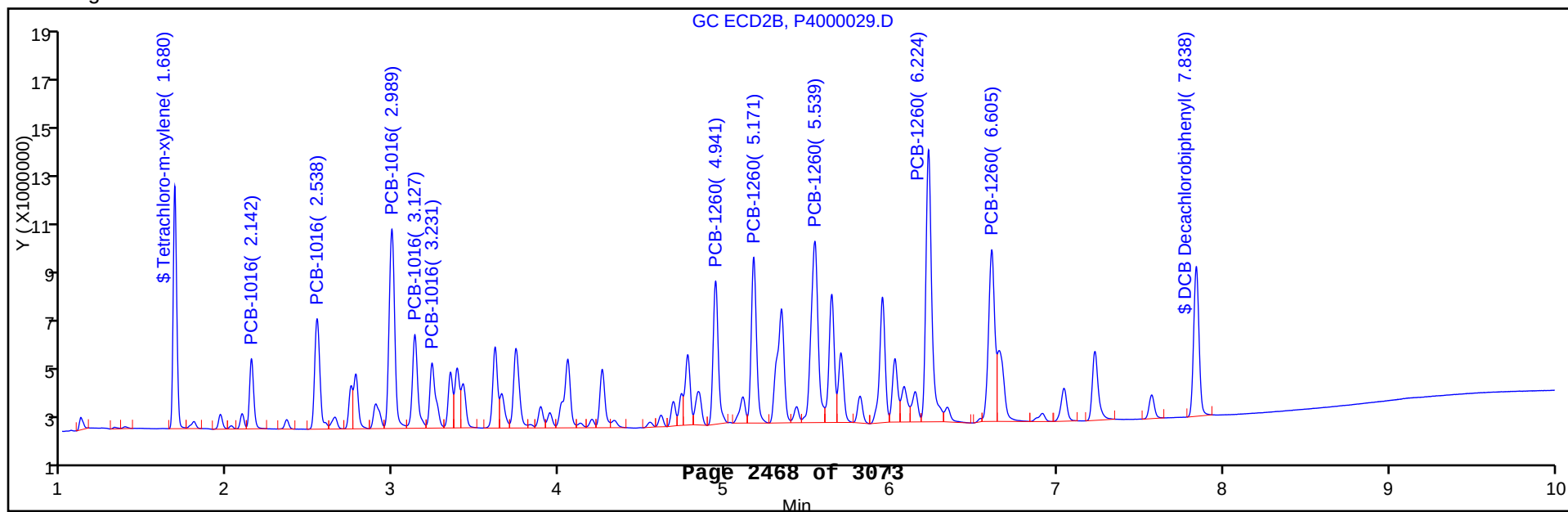
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000030.D
 Lims ID: STD05 1660 Client ID:
 Inject. Date: 15-Apr-2013 06:45:16 Dil. Factor: 1.0000
 Sample Type: ICRT Calib Level: 4
 Sample ID: 240-0018824-030
 Misc. Info.:
 Operator: Instrument ID: A2HP4
 Injection Vol: 1.0 ul ALS Bottle#: 30
 Lims Batch ID: 81761 Lims Sample ID: 30
 Sublist: chrom-PCB4*sub5
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\PCB4.m
 Last Update: 15-Apr-2013 13:05:16 Calib Date: 15-Apr-2013 10:24:45
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK026

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

\$ 2 Tetrachloro-m-xylene

1	44	1.273	1.273	0.000	39507071	0.0249			
2	2	1.680	1.680	0.000	39120759	0.0248			

RPD = 0.62

6 PCB-1016

1	100	1.542	1.542	0.000	13291176	0.4898		100.0	
1	2	1.824	1.824	0.000	23992974	0.4900	156.0- 206.0	180.5	
1	3	2.216	2.216	0.000	47157584	0.5047	312.4- 362.4	354.8	
1	4	2.336	2.336	0.000	21284600	0.5072	118.7- 188.7	160.1	
1	5	2.714	2.714	0.000	21015587	0.4957	125.6- 175.6	158.1	
Average of Peak Amounts =						0.4975			
2	6	2.142	2.142	0.000	12749014	0.4971		100.0	
2	7	2.538	2.538	0.000	25028120	0.4930	169.6- 229.6	196.3	
2	8	2.989	2.989	0.000	50068454	0.5038	351.4- 411.4	392.7	
2	9	3.127	3.127	0.000	21925738	0.4981	141.3- 201.3	172.0	
2	10	3.230	3.230	0.000	17315093	0.5055	102.5- 162.5	135.8	
Average of Peak Amounts =						0.4995			

RPD = 0.41

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000030.D

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

10 PCB-1260

1	100	3.911	3.911	0.000	31124624	0.4988		100.0	
1	2	4.199	4.199	0.000	55160362	0.5009	152.2- 202.2	177.2	
1	3	4.479	4.479	0.000	54595602	0.5071	146.4- 196.4	175.4	
1	4	5.178	5.178	0.000	67776563	0.5239	180.7- 230.7	217.8	
1	5	5.464	5.464	0.000	30390497	0.5218	64.1- 114.1	97.6	

Average of Peak Amounts = 0.5105

2	6	4.940	4.940	0.000	34904658	0.5074		100.0	
2	7	5.170	5.170	0.000	40649954	0.5092	87.6- 147.6	116.5	
2	8	5.539	5.539	0.000	60632386	0.5131	144.7- 204.7	173.7	
2	9	6.224	6.224	0.000	75347283	0.5168	187.7- 247.7	215.9	
2	10	6.604	6.604	0.000	50809068	0.5256	115.0- 175.0	145.6	

Average of Peak Amounts = 0.5144

RPD = 0.77

\$ 12 DCB Decachlorobiphenyl

1	100	6.615	6.615	0.000	33154181	0.0248			
2	2	7.839	7.839	0.000	36003048	0.0247			

RPD = 0.46

Report Date: 15-Apr-2013 13:05:17

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000030.D

Injection Date: 15-Apr-2013 06:45:16

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP4

Lims Batch ID: 81761

Lims Sample ID: 30

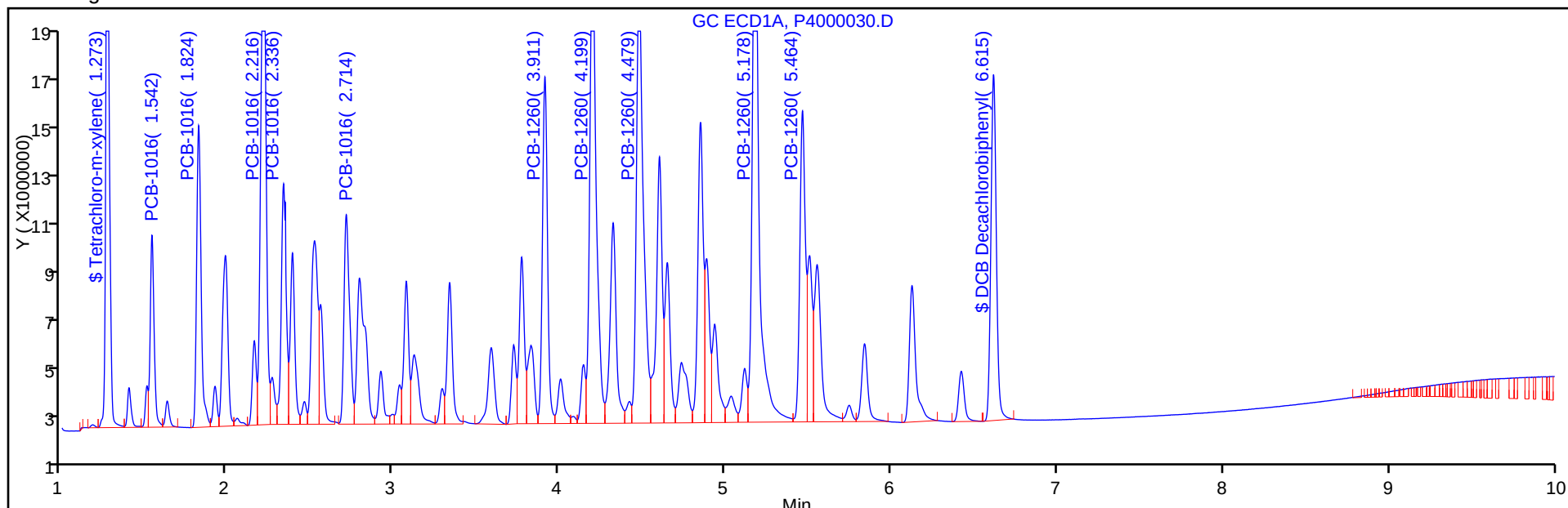
Operator ID:

Injection Vol: 1.0 ul

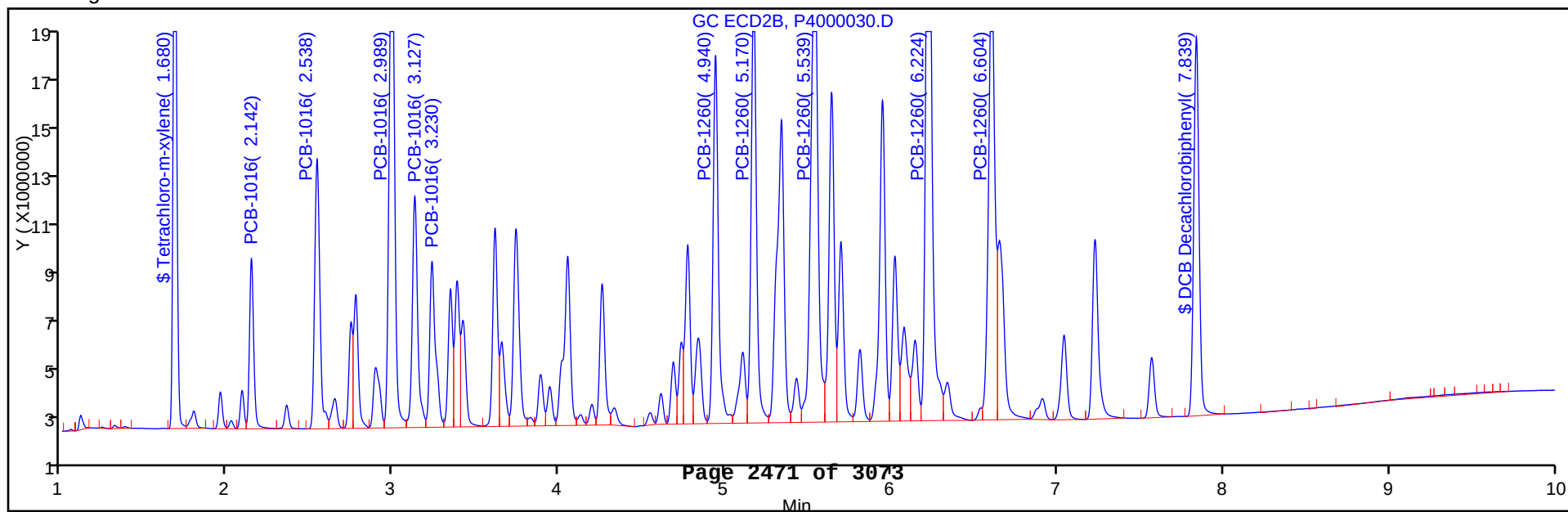
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000031.D
 Lims ID: STD1 1660 Client ID:
 Inject. Date: 15-Apr-2013 07:00:55 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 5
 Sample ID: 240-0018824-031
 Misc. Info.:
 Operator: Instrument ID: A2HP4
 Injection Vol: 1.0 ul ALS Bottle#: 31
 Lims Batch ID: 81761 Lims Sample ID: 31
 Sublist: chrom-PCB4*sub5
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\PCB4.m
 Last Update: 15-Apr-2013 13:05:17 Calib Date: 15-Apr-2013 10:24:45
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK026

First Level Reviewer: hassl

Date: 15-Apr-2013 07:56:47

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

\$ 2 Tetrachloro-m-xylene

1	44	1.273	1.273	0.000	75430646	0.0476			
2	2	1.680	1.680	0.000	76080813	0.0482			

RPD = 1.22

6 PCB-1016

M

1	100	1.542	1.542	0.000	24260203	0.8940		100.0	
1	2	1.824	1.824	0.000	43493540	0.8882	156.0- 206.0	179.3	
1	3	2.216	2.216	0.000	89669755	0.9596	312.4- 362.4	369.6	
1	4	2.336	2.336	0.000	39524466	0.9419	118.7- 188.7	162.9	
1	5	2.714	2.714	0.000	39299859	0.9269	125.6- 175.6	162.0	
		Average of Peak Amounts =				0.9221			
2	6	2.142	2.142	0.000	23215264	0.9051		100.0	
2	7	2.538	2.538	0.000	46013267	0.9063	169.6- 229.6	198.2	M
2	8	2.990	2.989	0.001	95381388	0.9598	351.4- 411.4	410.9	M
2	9	3.127	3.127	0.000	41340948	0.9392	141.3- 201.3	178.1	M
2	10	3.231	3.230	0.001	32939242	0.9617	102.5- 162.5	141.9	M
		Average of Peak Amounts =				0.9344			

RPD = 1.32

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000031.D

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									M
1	100	3.912	3.911	0.001	58486212	0.9373		100.0	
1	2	4.198	4.199	-0.001	103815872	0.9427	152.2- 202.2	177.5	
1	3	4.478	4.479	-0.001	104066785	0.9665	146.4- 196.4	177.9	
1	4	5.179	5.178	0.001	128178666	0.99	180.7- 230.7	219.2	
1	5	5.464	5.464	0.000	57763115	0.99	64.1- 114.1	98.8	
Average of Peak Amounts =						0.9658			
2	6	4.941	4.940	0.001	66378031	0.9650		100.0	M
2	7	5.169	5.170	-0.001	76848773	0.9626	87.6- 147.6	115.8	M
2	8	5.538	5.539	-0.001	115078240	0.9738	144.7- 204.7	173.4	M
2	9	6.223	6.224	-0.001	142695180	0.9786	187.7- 247.7	215.0	M
2	10	6.604	6.604	0.000	98045225	1.01	115.0- 175.0	147.7	M
Average of Peak Amounts =						0.9789			
						RPD = 1.35			
\$ 12 DCB Decachlorobiphenyl									
1	100	6.616	6.615	0.001	60872720	0.0456			
2	2	7.838	7.839	-0.001	65480868	0.0450			
						RPD = 1.41			

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 15-Apr-2013 13:05:19

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000031.D

Injection Date: 15-Apr-2013 07:00:55

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP4

Lims Batch ID: 81761

Lims Sample ID: 31

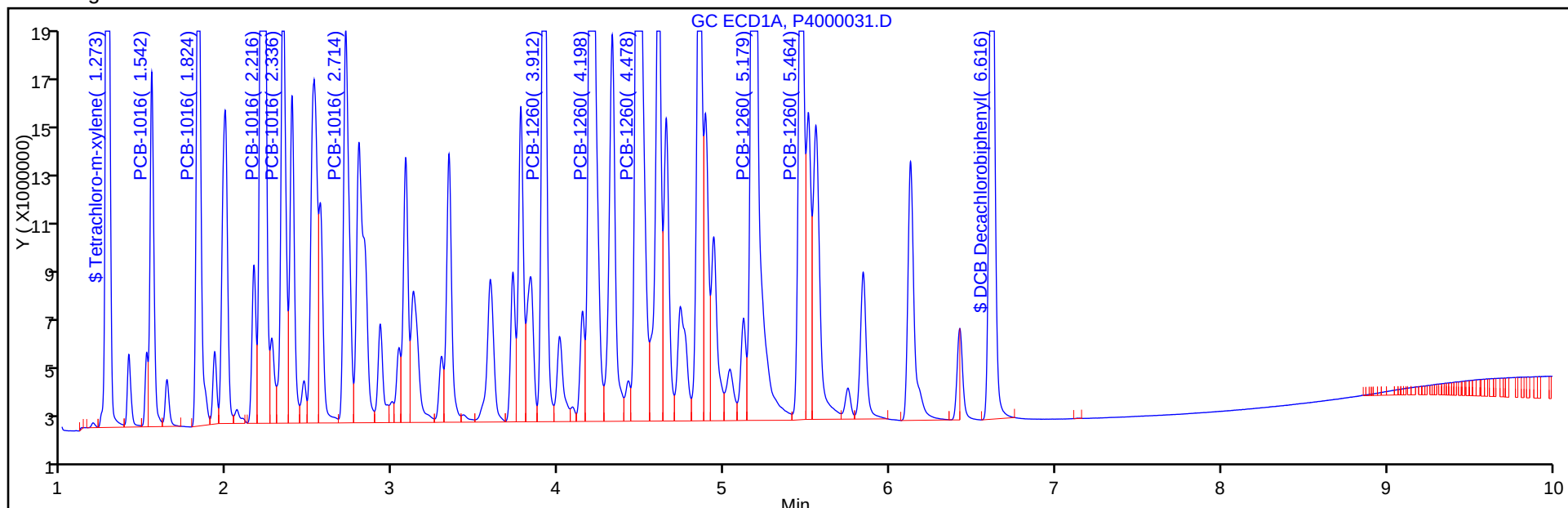
Operator ID:

Injection Vol: 1.0 ul

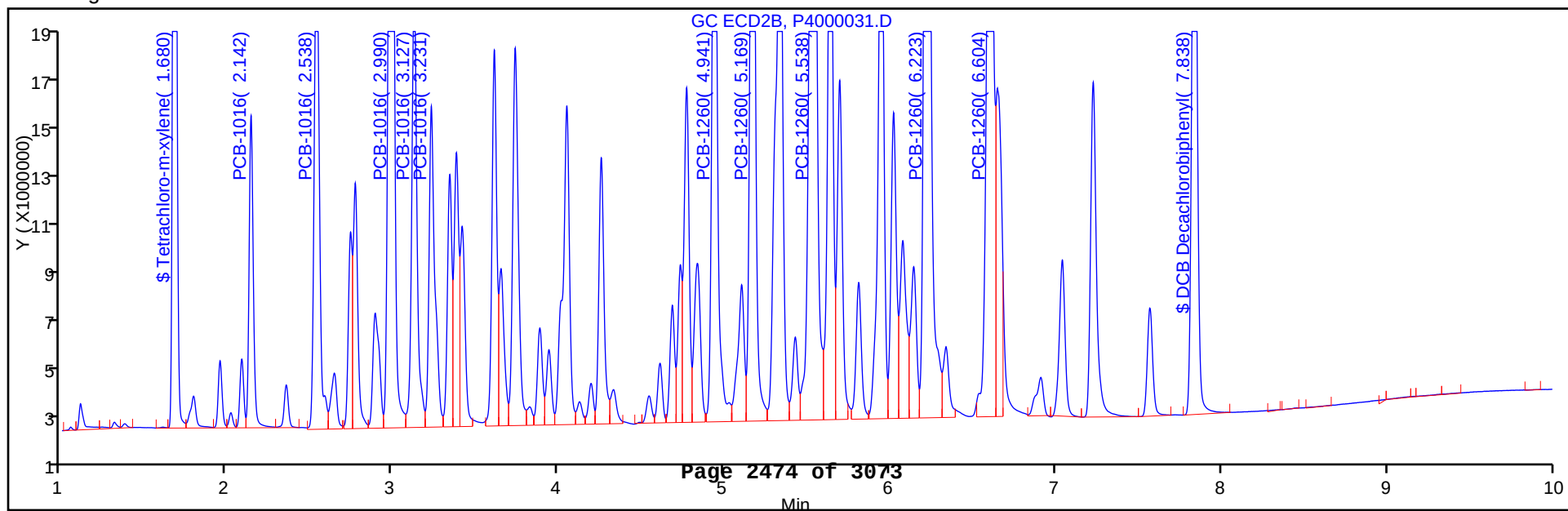
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000031.D

Injection Date: 15-Apr-2013 07:00:55

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP4

Lims Batch ID: 81761

Lims Sample ID: 31

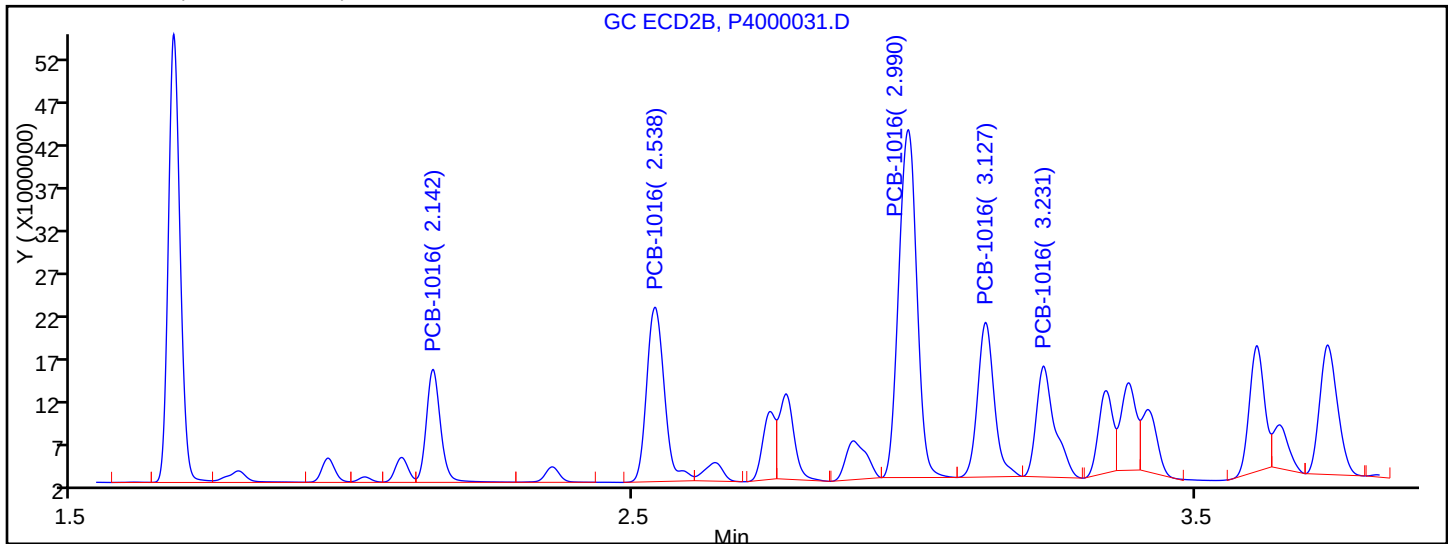
Operator ID:

Injection Vol: 1.0 ul

Column Type:

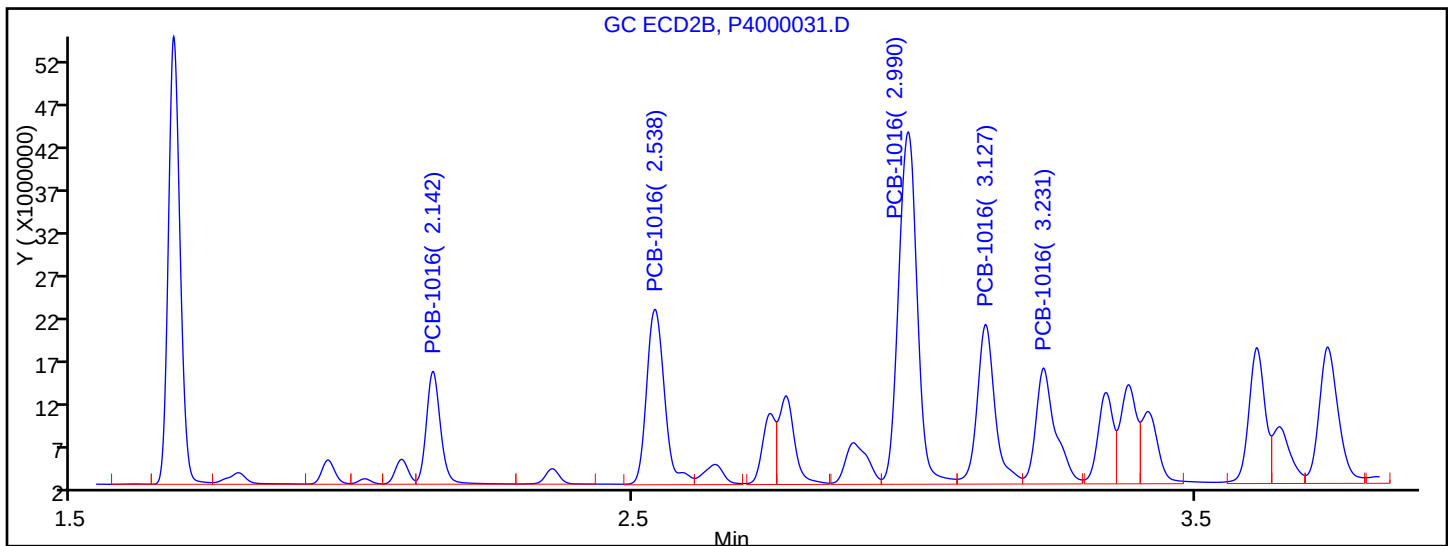
Column Dia:

6 PCB-1016, Detector: 2, GC ecd2b



Processing Integration Results

RT = 2.142	Response = 23215264	
RT = 2.538	Response = 44820756	M
RT = 2.990	Response = 90805398	M
RT = 3.127	Response = 37001498	M
RT = 3.231	Response = 29315165	M



Manual Integration Results

RT = 2.142	Response = 23215264	
RT = 2.538	Response = 46013267	M
RT = 2.990	Response = 95381388	M
RT = 3.127	Response = 41340948	M
RT = 3.231	Response = 32939242	M

Reviewer: hassl, 15-Apr-2013 07:56:47

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000031.D

Injection Date: 15-Apr-2013 07:00:55

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP4

Lims Batch ID: 81761

Lims Sample ID: 31

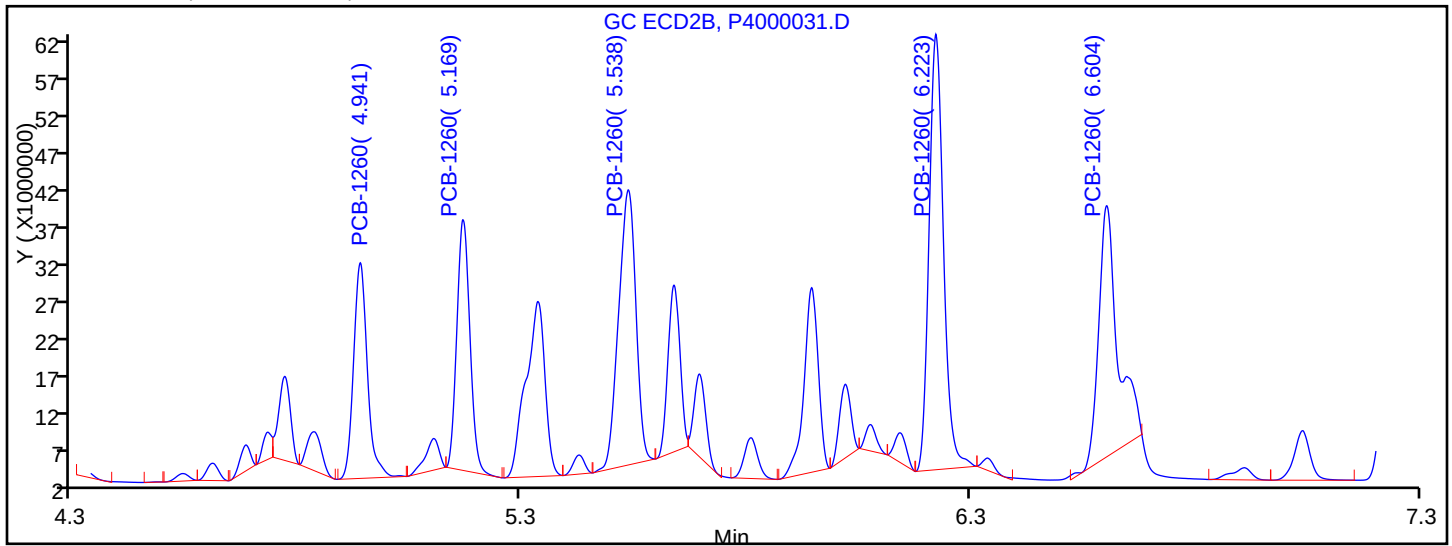
Operator ID:

Injection Vol: 1.0 ul

Column Type:

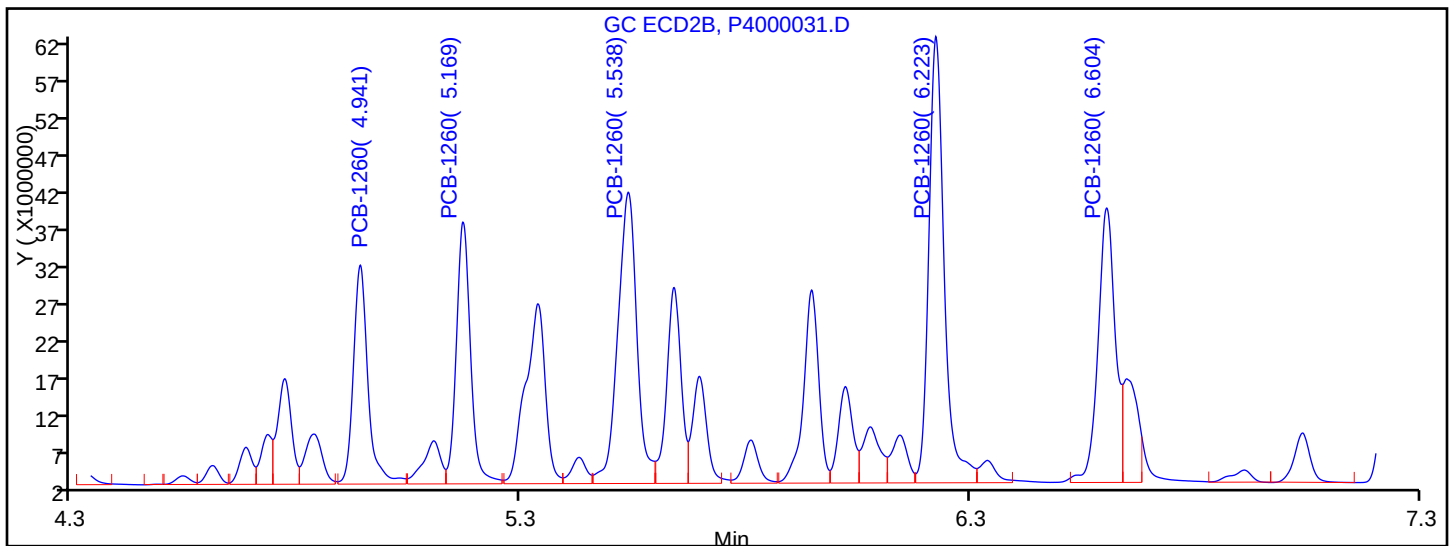
Column Dia:

10 PCB-1260, Detector: 2, GC ecd2b



Processing Integration Results

RT = 4.941	Response = 61726368	M
RT = 5.169	Response = 67866695	M
RT = 5.538	Response = 98241544	M
RT = 6.223	Response = 130007209	M
RT = 6.604	Response = 98667352	M



Manual Integration Results

RT = 4.941	Response = 66378031	M
RT = 5.169	Response = 76848773	M
RT = 5.538	Response = 115078240	M
RT = 6.223	Response = 142695180	M
RT = 6.604	Response = 98045225	M

Reviewer: hassl, 15-Apr-2013 07:56:47

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000032.D
 Lims ID: STD2 1660 Client ID:
 Inject. Date: 15-Apr-2013 07:16:36 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 6
 Sample ID: 240-0018824-032
 Misc. Info.:
 Operator: Instrument ID: A2HP4
 Injection Vol: 1.0 ul ALS Bottle#: 32
 Lims Batch ID: 81761 Lims Sample ID: 32
 Sublist: chrom-PCB4*sub5
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\PCB4.m
 Last Update: 15-Apr-2013 13:05:19 Calib Date: 15-Apr-2013 10:24:45
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK026

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

\$ 2 Tetrachloro-m-xylene

1	44	1.274	1.273	0.001	139633124	0.0882			
2	2	1.680	1.680	0.000	144660958	0.0917			

RPD = 3.90

6 PCB-1016

1	100	1.543	1.542	0.001	45467307	1.68		100.0	
1	2	1.824	1.824	0.000	81405825	1.66	156.0- 206.0	179.0	
1	3	2.215	2.216	-0.001	173782886	1.86	312.4- 362.4	382.2	
1	4	2.335	2.336	-0.001	76582147	1.83	118.7- 188.7	168.4	
1	5	2.714	2.714	0.000	76719668	1.81	125.6- 175.6	168.7	
Average of Peak Amounts =						1.77			
2	6	2.142	2.142	0.000	43341046	1.69		100.0	
2	7	2.538	2.538	0.000	84639763	1.67	169.6- 229.6	195.3	
2	8	2.989	2.989	0.000	182329208	1.83	351.4- 411.4	420.7	
2	9	3.127	3.127	0.000	78363562	1.78	141.3- 201.3	180.8	
2	10	3.229	3.230	-0.001	62977595	1.84	102.5- 162.5	145.3	
Average of Peak Amounts =						1.76			

RPD = 0.25

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000032.D

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

10 PCB-1260

1	100	3.911	3.911	0.000	113608262	1.82		100.0	
1	2	4.198	4.199	-0.001	201639590	1.83	152.2- 202.2	177.5	
1	3	4.478	4.479	-0.001	205014119	1.90	146.4- 196.4	180.5	
1	4	5.177	5.178	-0.001	252349773	1.95	180.7- 230.7	222.1	
1	5	5.463	5.464	-0.001	116579268	2.00	64.1- 114.1	102.6	

Average of Peak Amounts = 1.90

2	6	4.940	4.940	0.000	126295696	1.84		100.0	
2	7	5.169	5.170	-0.001	149487757	1.87	87.6- 147.6	118.4	
2	8	5.536	5.539	-0.003	225926327	1.91	144.7- 204.7	178.9	
2	9	6.223	6.224	-0.001	280614663	1.92	187.7- 247.7	222.2	
2	10	6.603	6.604	-0.001	192580448	1.99	115.0- 175.0	152.5	

Average of Peak Amounts = 1.91

RPD = 0.31

\$ 12 DCB Decachlorobiphenyl

1	100	6.615	6.615	0.000	115275771	0.0863			
2	2	7.838	7.839	-0.001	122400065	0.0840			

RPD = 2.71

Report Date: 15-Apr-2013 13:05:20

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000032.D

Injection Date: 15-Apr-2013 07:16:36

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP4

Lims Batch ID: 81761

Lims Sample ID: 32

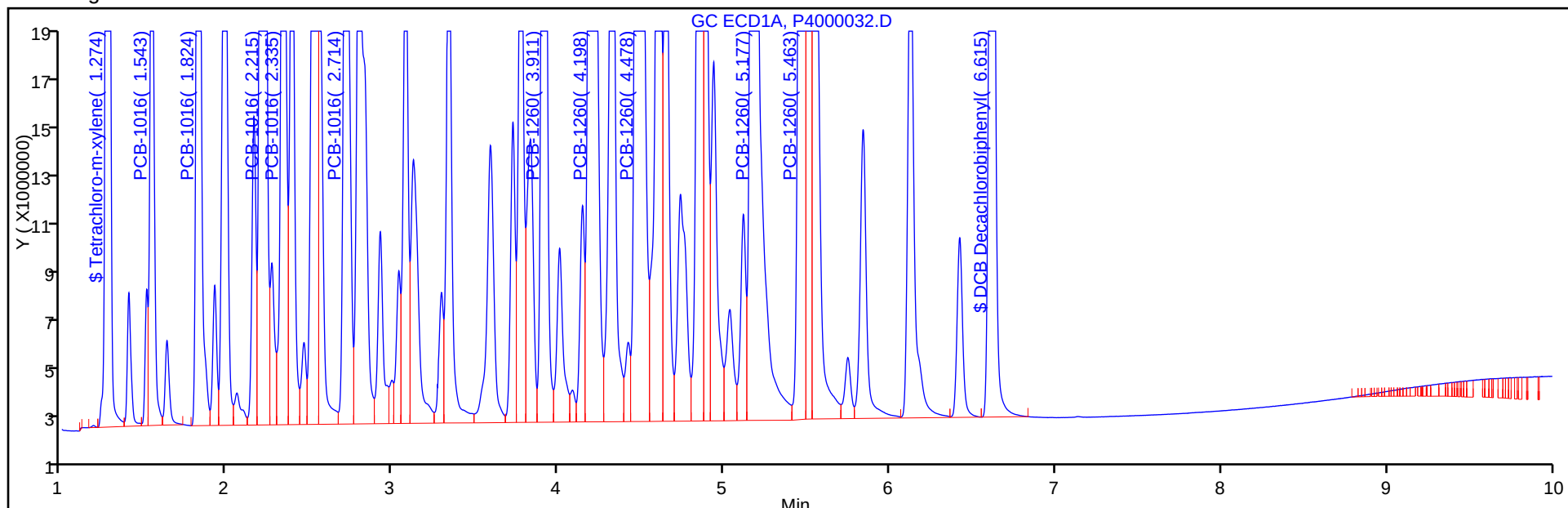
Operator ID:

Injection Vol: 1.0 ul

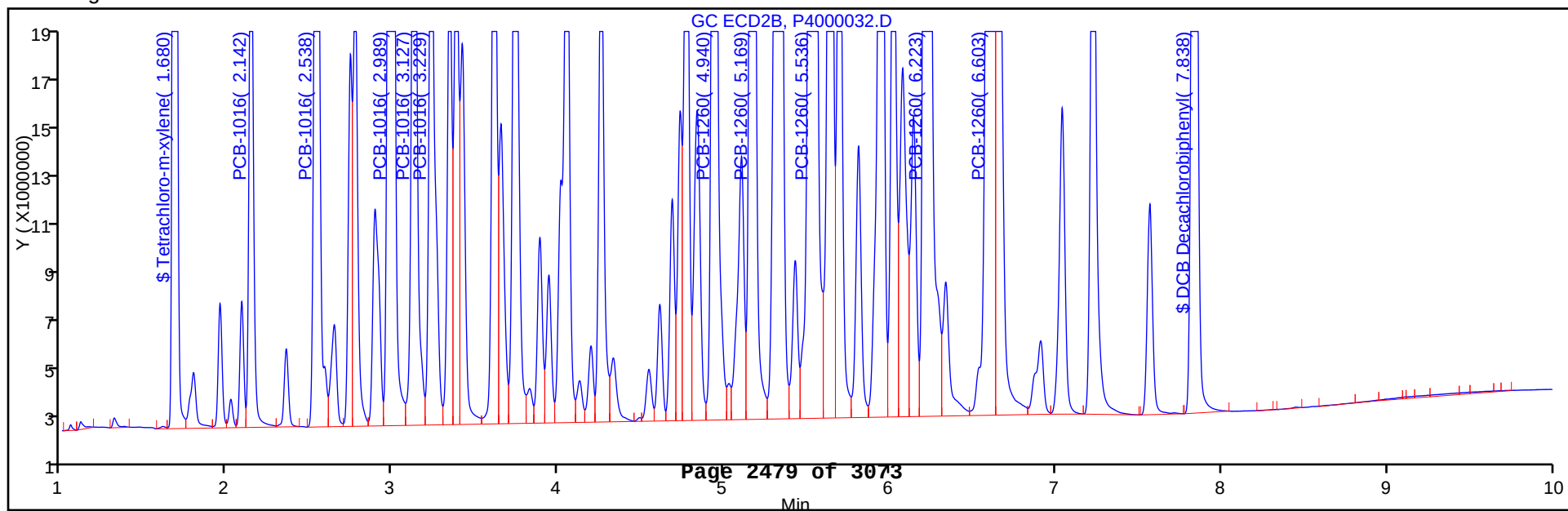
Column Type:

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.: 240-22852-1
SDG No.: _____
Lab Sample ID: ICV 240-81761/45 Calibration Date: 04/15/2013 10:40
Instrument ID: A2HP4 Calib Start Date: 04/15/2013 04:24
GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 04/15/2013 05:42
Lab File ID: P4000045.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	14870794	16748823		1.13	1.00	12.6	20.0
PCB-1221 Peak 2	Ave	7388921	7821348		1.06	1.00	5.9	20.0
PCB-1221 Peak 3	Ave	37119964	41282468		1.11	1.00	11.2	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22852-1
SDG No.: _____
Lab Sample ID: ICV 240-81761/45 Calibration Date: 04/15/2013 10:40
Instrument ID: A2HP4 Calib Start Date: 04/15/2013 04:24
GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 04/15/2013 05:42
Lab File ID: P4000045.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1221 Peak 1	1.41	1.30	1.50
PCB-1221 Peak 2	1.51	1.41	1.61
PCB-1221 Peak 3	1.54	1.44	1.64

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000045.D
 Lims ID: ICV 1221 Client ID:
 Inject. Date: 15-Apr-2013 10:40:30 Dil. Factor: 1.0000
 Sample Type: ICV
 Sample ID: 240-0018824-045
 Misc. Info.:
 Operator: Instrument ID: A2HP4
 Injection Vol: 1.0 ul ALS Bottle#: 45
 Lims Batch ID: 81761 Lims Sample ID: 45
 Sublist:
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\PCB4.m
 Last Update: 15-Apr-2013 13:05:36 Calib Date: 15-Apr-2013 10:24:45
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK026

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

3 PCB-1221

1	2	1.405	1.404	0.001	16748823	1.13		100.0	
1	3	1.513	1.511	0.002	7821348	1.06	31.2- 81.2	46.7	
1	4	1.543	1.541	0.002	41282468	1.11	221.6- 271.6	246.5	
		Average of Peak Amounts =				1.10			
2	4	1.956	1.955	0.001	15676848	1.04		100.0	
2	5	2.087	2.085	0.002	10463119	1.10	34.7- 94.7	66.7	
2	6	2.143	2.141	0.002	39641482	1.12	206.7- 266.7	252.9	
		Average of Peak Amounts =				1.08			
		RPD = 1.38							

Report Date: 15-Apr-2013 13:05:39

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000045.D

Injection Date: 15-Apr-2013 10:40:30

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP4

Lims Batch ID: 81761

Lims Sample ID: 45

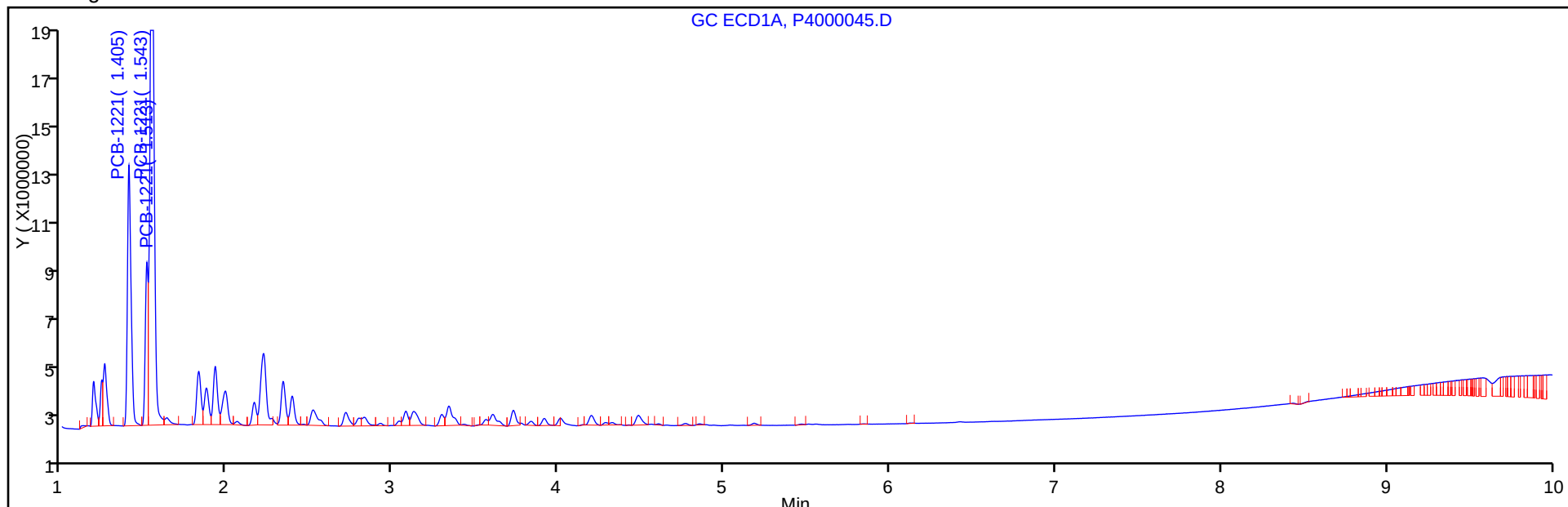
Operator ID:

Injection Vol: 1.0 ul

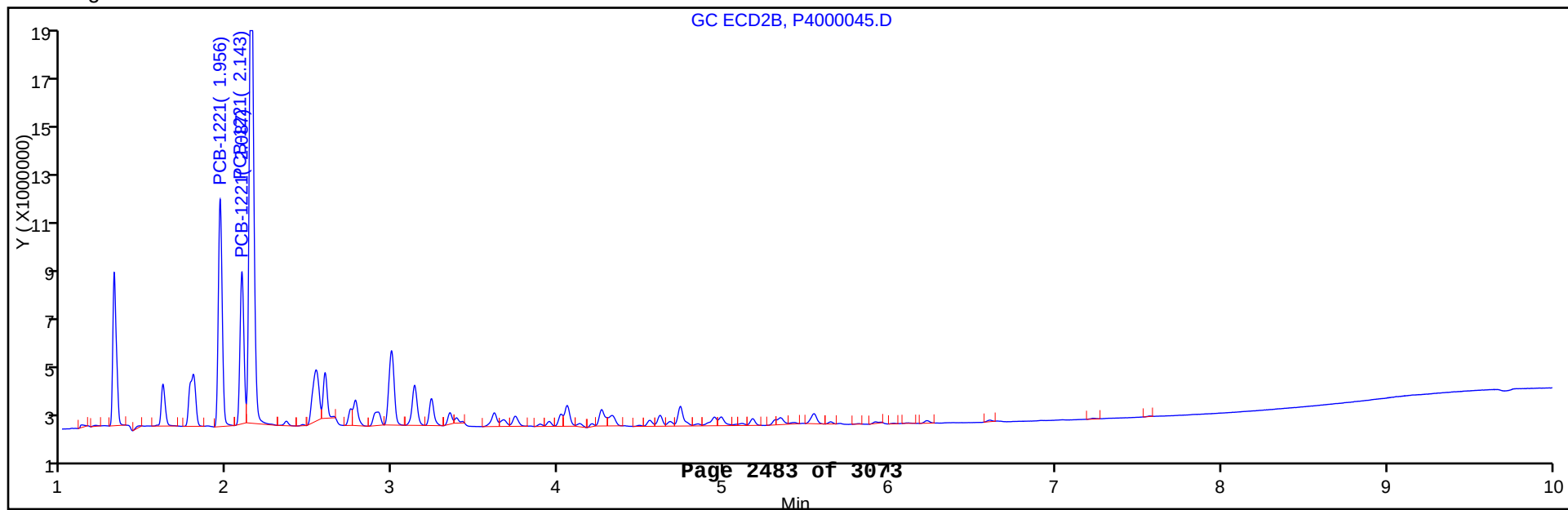
Column Type:

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.: 240-22852-1
SDG No.: _____
Lab Sample ID: ICV 240-81761/45 Calibration Date: 04/15/2013 10:40
Instrument ID: A2HP4 Calib Start Date: 04/15/2013 04:24
GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 04/15/2013 05:42
Lab File ID: P4000045.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	15123834	15676848		1.04	1.00	3.7	20.0
PCB-1221 Peak 2	Ave	9554096	10463119		1.10	1.00	9.5	20.0
PCB-1221 Peak 3	Ave	35397504	39641482		1.12	1.00	12.0	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22852-1
SDG No.: _____
Lab Sample ID: ICV 240-81761/45 Calibration Date: 04/15/2013 10:40
Instrument ID: A2HP4 Calib Start Date: 04/15/2013 04:24
GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 04/15/2013 05:42
Lab File ID: P4000045.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1221 Peak 1	1.96	1.86	2.06
PCB-1221 Peak 2	2.09	1.99	2.19
PCB-1221 Peak 3	2.14	2.04	2.24

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000045.D
 Lims ID: ICV 1221 Client ID:
 Inject. Date: 15-Apr-2013 10:40:30 Dil. Factor: 1.0000
 Sample Type: ICV
 Sample ID: 240-0018824-045
 Misc. Info.:
 Operator: Instrument ID: A2HP4
 Injection Vol: 1.0 ul ALS Bottle#: 45
 Lims Batch ID: 81761 Lims Sample ID: 45
 Sublist:
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\PCB4.m
 Last Update: 15-Apr-2013 13:05:36 Calib Date: 15-Apr-2013 10:24:45
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK026

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
3 PCB-1221									
1	2	1.405	1.404	0.001	16748823	1.13		100.0	
1	3	1.513	1.511	0.002	7821348	1.06	31.2- 81.2	46.7	
1	4	1.543	1.541	0.002	41282468	1.11	221.6- 271.6	246.5	
Average of Peak Amounts =						1.10			
2	4	1.956	1.955	0.001	15676848	1.04		100.0	
2	5	2.087	2.085	0.002	10463119	1.10	34.7- 94.7	66.7	
2	6	2.143	2.141	0.002	39641482	1.12	206.7- 266.7	252.9	
Average of Peak Amounts =						1.08			
						RPD = 1.38			

Report Date: 15-Apr-2013 13:05:39

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000045.D

Injection Date: 15-Apr-2013 10:40:30

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP4

Lims Batch ID: 81761

Lims Sample ID: 45

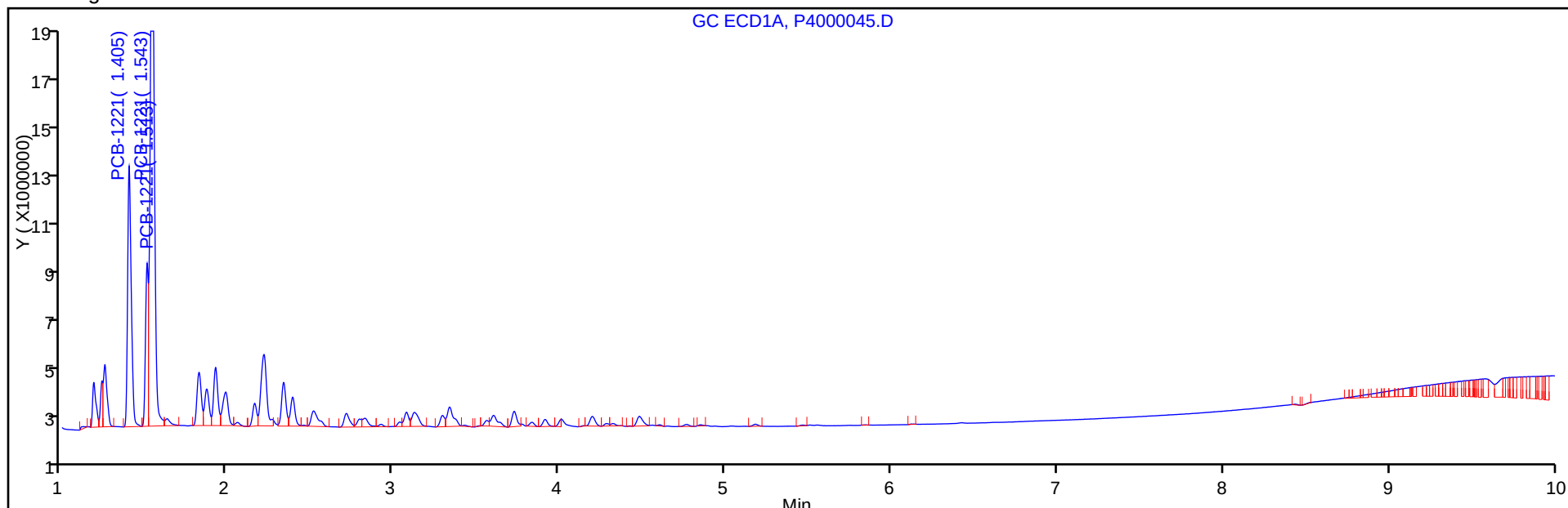
Operator ID:

Injection Vol: 1.0 ul

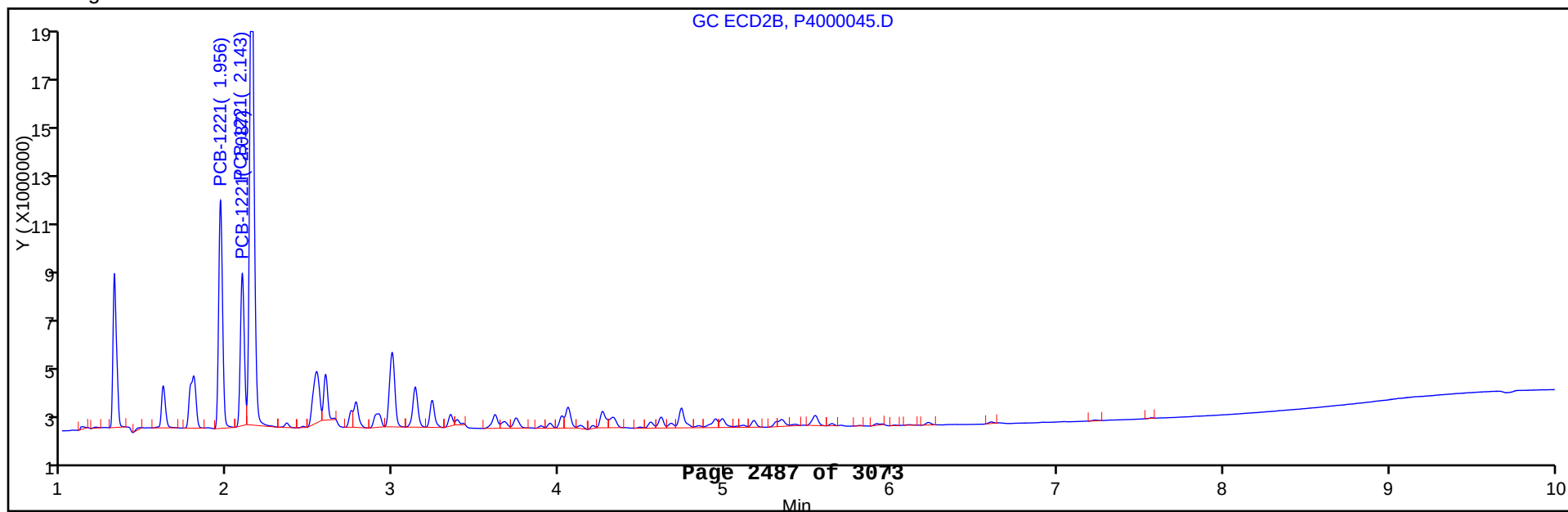
Column Type:

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.: 240-22852-1
SDG No.: _____
Lab Sample ID: ICV 240-81761/46 Calibration Date: 04/15/2013 10:56
Instrument ID: A2HP4 Calib Start Date: 04/14/2013 23:42
GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 04/15/2013 01:00
Lab File ID: P4000046.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	29978183	27442395		0.915	1.00	-8.5	20.0
PCB-1232 Peak 2	Ave	21712646	22589117		1.04	1.00	4.0	20.0
PCB-1232 Peak 3	Ave	40373217	42831045		1.06	1.00	6.1	20.0
PCB-1232 Peak 4	Ave	17354451	18806706		1.08	1.00	8.4	20.0
PCB-1232 Peak 5	Ave	16203678	17521867		1.08	1.00	8.1	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22852-1
SDG No.: _____
Lab Sample ID: ICV 240-81761/46 Calibration Date: 04/15/2013 10:56
Instrument ID: A2HP4 Calib Start Date: 04/14/2013 23:42
GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 04/15/2013 01:00
Lab File ID: P4000046.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1232 Peak 1	1.54	1.44	1.64
PCB-1232 Peak 2	1.82	1.72	1.92
PCB-1232 Peak 3	2.22	2.11	2.31
PCB-1232 Peak 4	2.34	2.23	2.43
PCB-1232 Peak 5	2.72	2.61	2.81

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000046.D
 Lims ID: ICV 1232 Client ID:
 Inject. Date: 15-Apr-2013 10:56:12 Dil. Factor: 1.0000
 Sample Type: ICV
 Sample ID: 240-0018824-046
 Misc. Info.:
 Operator: Instrument ID: A2HP4
 Injection Vol: 1.0 ul ALS Bottle#: 46
 Lims Batch ID: 81761 Lims Sample ID: 46
 Sublist:
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\PCB4.m
 Last Update: 15-Apr-2013 13:05:36 Calib Date: 15-Apr-2013 10:24:45
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK026

First Level Reviewer: hassl

Date: 15-Apr-2013 12:48:56

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
4 PCB-1232									M
1	100	1.542	1.538	0.004	27442395	0.9154		100.0	
1	2	1.824	1.820	0.004	22589117	1.04	51.4- 101.4	82.3	M
1	3	2.216	2.210	0.006	42831045	1.06	101.9- 151.9	156.1	M
1	4	2.337	2.330	0.007	18806706	1.08	30.8- 80.8	68.5	M
1	5	2.715	2.707	0.008	17521867	1.08	29.6- 79.6	63.8	M
Average of Peak Amounts =						1.04			
2	6	2.142	2.136	0.006	26636470	0.9123		100.0	
2	7	2.538	2.531	0.007	22530121	0.9494	47.8- 107.8	84.6	
2	8	2.990	2.980	0.010	45287113	1.06	111.9- 171.9	170.0	
2	9	3.127	3.120	0.007	19863491	1.00	36.1- 96.1	74.6	
2	10	3.737	3.727	0.010	16648545	1.07	20.4- 80.4	62.5	
Average of Peak Amounts =						1.00			
						RPD = 3.75			

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 15-Apr-2013 13:05:41

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000046.D

Injection Date: 15-Apr-2013 10:56:12

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP4

Lims Batch ID: 81761

Lims Sample ID: 46

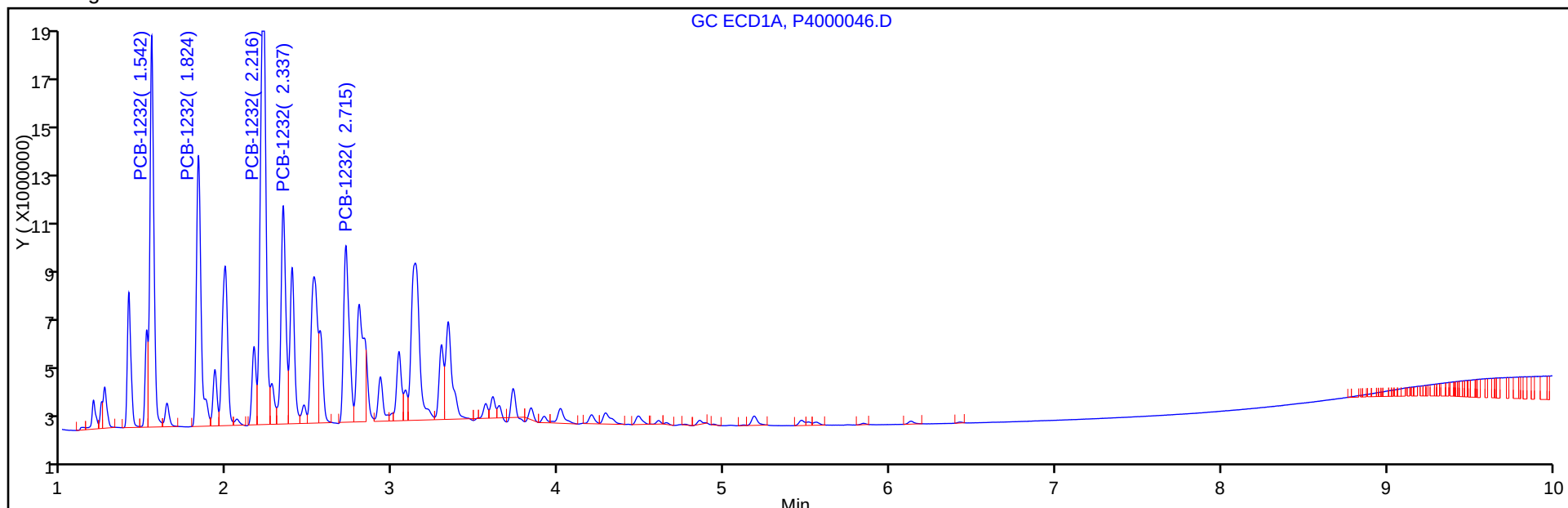
Operator ID:

Injection Vol: 1.0 ul

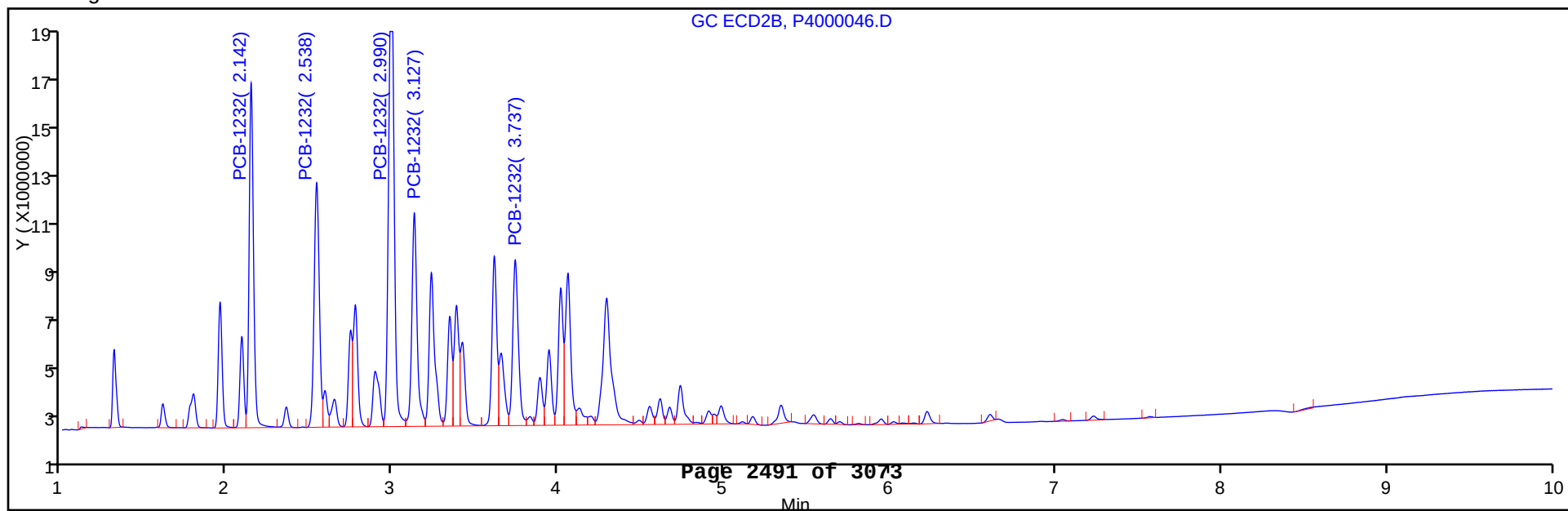
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000046.D

Injection Date: 15-Apr-2013 10:56:12

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP4

Lims Batch ID: 81761

Lims Sample ID: 46

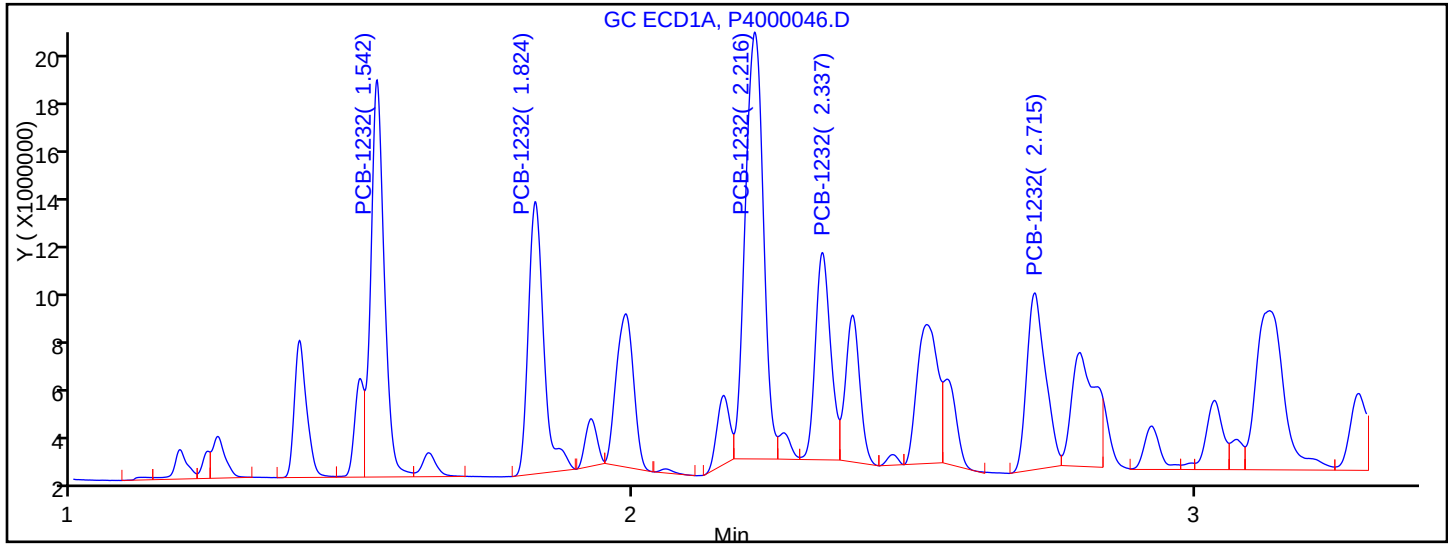
Operator ID:

Injection Vol: 1.0 ul

Column Type:

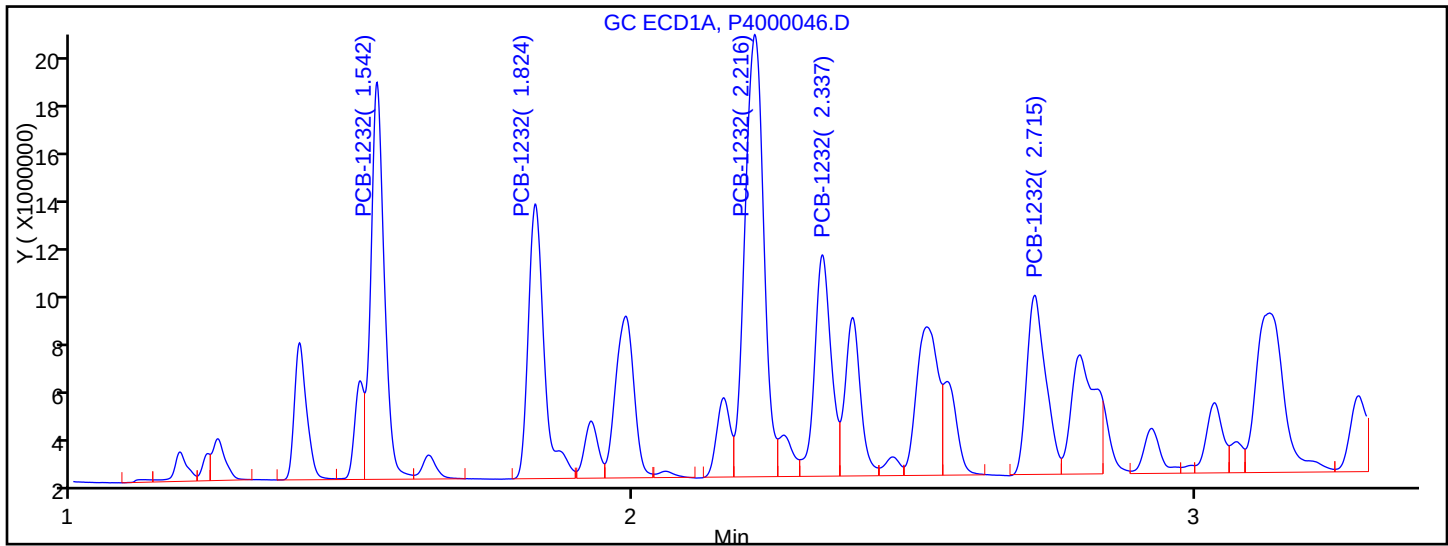
Column Dia:

4 PCB-1232, Detector: 1, GC ECD1A



Processing Integration Results

RT = 1.542	Response = 27442395	
RT = 1.824	Response = 21651876	M
RT = 2.216	Response = 39814531	M
RT = 2.337	Response = 16291297	M
RT = 2.715	Response = 16928423	M



Manual Integration Results

RT = 1.542	Response = 27442395	
RT = 1.824	Response = 22589117	M
RT = 2.216	Response = 42831045	M
RT = 2.337	Response = 18806706	M
RT = 2.715	Response = 17521867	M

Reviewer: hassl, 15-Apr-2013 12:48:56

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22852-1
SDG No.: _____
Lab Sample ID: ICV 240-81761/46 Calibration Date: 04/15/2013 10:56
Instrument ID: A2HP4 Calib Start Date: 04/14/2013 23:42
GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 04/15/2013 01:00
Lab File ID: P4000046.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	29198270	26636470		0.912	1.00	-8.8	20.0
PCB-1232 Peak 2	Ave	23730757	22530121		0.949	1.00	-5.1	20.0
PCB-1232 Peak 3	Ave	42551392	45287113		1.06	1.00	6.4	20.0
PCB-1232 Peak 4	Ave	19941651	19863491		0.996	1.00	-0.4	20.0
PCB-1232 Peak 5	Ave	15572828	16648545		1.07	1.00	6.9	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22852-1
SDG No.: _____
Lab Sample ID: ICV 240-81761/46 Calibration Date: 04/15/2013 10:56
Instrument ID: A2HP4 Calib Start Date: 04/14/2013 23:42
GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 04/15/2013 01:00
Lab File ID: P4000046.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1232 Peak 1	2.14	2.04	2.24
PCB-1232 Peak 2	2.54	2.43	2.63
PCB-1232 Peak 3	2.99	2.88	3.08
PCB-1232 Peak 4	3.13	3.02	3.22
PCB-1232 Peak 5	3.74	3.63	3.83

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000046.D
 Lims ID: ICV 1232 Client ID:
 Inject. Date: 15-Apr-2013 10:56:12 Dil. Factor: 1.0000
 Sample Type: ICV
 Sample ID: 240-0018824-046

Misc. Info.:
 Operator: Instrument ID: A2HP4
 Injection Vol: 1.0 ul ALS Bottle#: 46
 Lims Batch ID: 81761 Lims Sample ID: 46
 Sublist:
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\PCB4.m
 Last Update: 15-Apr-2013 13:05:36 Calib Date: 15-Apr-2013 10:24:45
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK026

First Level Reviewer: hassl

Date: 15-Apr-2013 12:48:56

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
4 PCB-1232									M
1	100	1.542	1.538	0.004	27442395	0.9154		100.0	
1	2	1.824	1.820	0.004	22589117	1.04	51.4- 101.4	82.3	M
1	3	2.216	2.210	0.006	42831045	1.06	101.9- 151.9	156.1	M
1	4	2.337	2.330	0.007	18806706	1.08	30.8- 80.8	68.5	M
1	5	2.715	2.707	0.008	17521867	1.08	29.6- 79.6	63.8	M
Average of Peak Amounts =						1.04			
2	6	2.142	2.136	0.006	26636470	0.9123		100.0	
2	7	2.538	2.531	0.007	22530121	0.9494	47.8- 107.8	84.6	
2	8	2.990	2.980	0.010	45287113	1.06	111.9- 171.9	170.0	
2	9	3.127	3.120	0.007	19863491	1.00	36.1- 96.1	74.6	
2	10	3.737	3.727	0.010	16648545	1.07	20.4- 80.4	62.5	
Average of Peak Amounts =						1.00			
						RPD = 3.75			

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 15-Apr-2013 13:05:42

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000046.D

Injection Date: 15-Apr-2013 10:56:12

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP4

Lims Batch ID: 81761

Lims Sample ID: 46

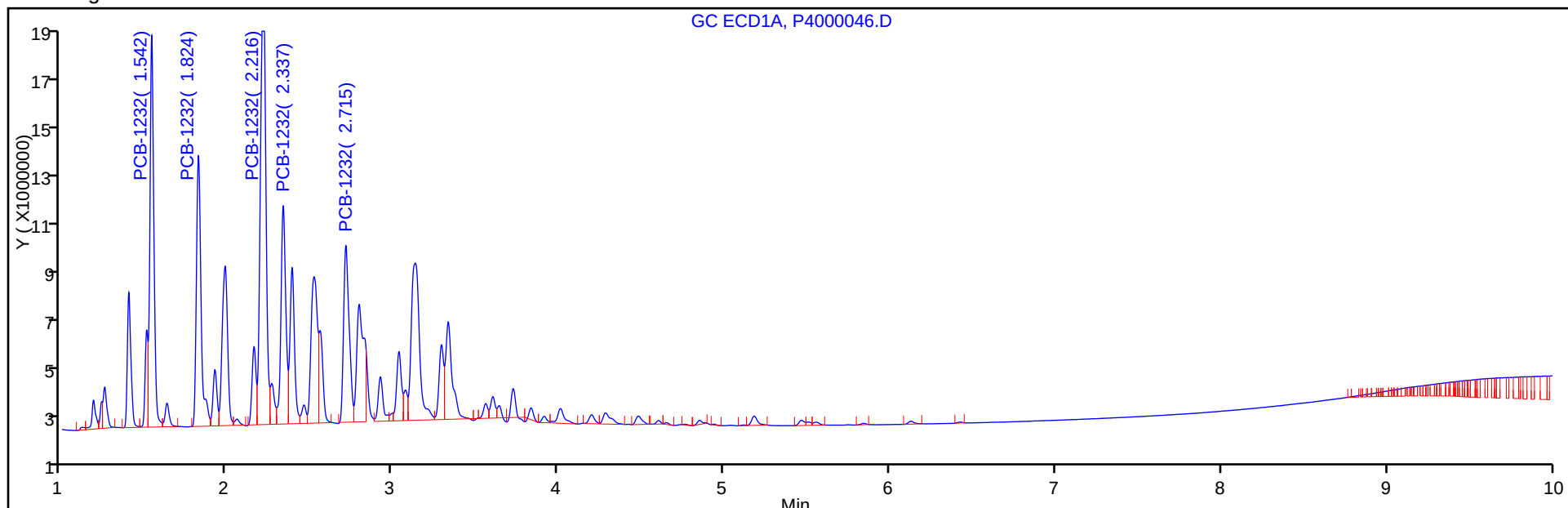
Operator ID:

Injection Vol: 1.0 ul

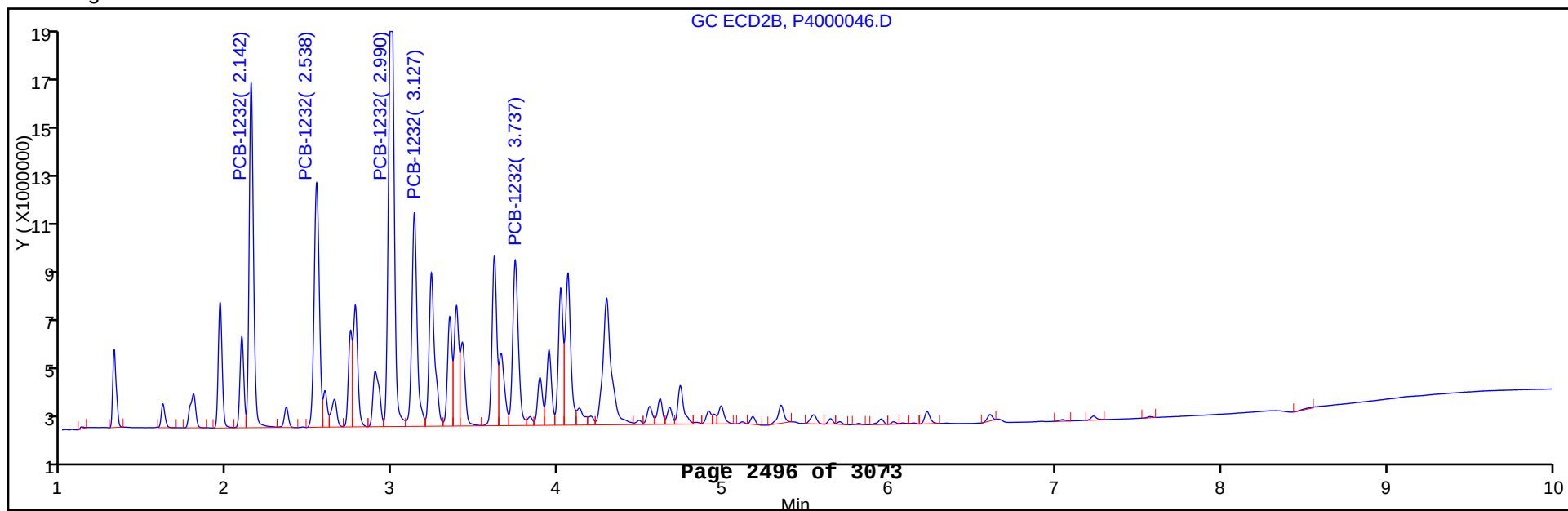
Column Type:

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.: 240-22852-1
SDG No.: _____
Lab Sample ID: ICV 240-81761/47 Calibration Date: 04/15/2013 11:11
Instrument ID: A2HP4 Calib Start Date: 04/15/2013 01:16
GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 04/15/2013 02:34
Lab File ID: P4000047.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	21575937	24747943		1.15	1.00	14.7	20.0
PCB-1242 Peak 2	Ave	40510464	45643145		1.13	1.00	12.7	20.0
PCB-1242 Peak 3	Ave	77805807	95275253		1.22	1.00	22.5*	20.0
PCB-1242 Peak 4	Ave	34187910	41994189		1.23	1.00	22.8*	20.0
PCB-1242 Peak 5	Ave	34332023	42904810		1.25	1.00	25.0*	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22852-1
SDG No.: _____
Lab Sample ID: ICV 240-81761/47 Calibration Date: 04/15/2013 11:11
Instrument ID: A2HP4 Calib Start Date: 04/15/2013 01:16
GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 04/15/2013 02:34
Lab File ID: P4000047.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1242 Peak 1	1.54	1.44	1.64
PCB-1242 Peak 2	1.83	1.72	1.92
PCB-1242 Peak 3	2.22	2.11	2.31
PCB-1242 Peak 4	2.34	2.23	2.43
PCB-1242 Peak 5	2.72	2.61	2.81

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000047.D
 Lims ID: ICV 1242 Client ID:
 Inject. Date: 15-Apr-2013 11:11:48 Dil. Factor: 1.0000
 Sample Type: ICV
 Sample ID: 240-0018824-047
 Misc. Info.:
 Operator: Instrument ID: A2HP4
 Injection Vol: 1.0 ul ALS Bottle#: 47
 Lims Batch ID: 81761 Lims Sample ID: 47
 Sublist:
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\PCB4.m
 Last Update: 15-Apr-2013 13:05:36 Calib Date: 15-Apr-2013 10:24:45
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK026

First Level Reviewer: hassl

Date: 15-Apr-2013 12:49:18

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									M
1	100	1.543	1.540	0.003	24747943	1.15		100.0	
1	2	1.825	1.821	0.004	45643145	1.13	153.5- 203.5	184.4	
1	3	2.216	2.213	0.003	95275253	1.22	312.0- 362.0	385.0	M
1	4	2.336	2.333	0.003	41994189	1.23	127.3- 177.3	169.7	M
1	5	2.715	2.711	0.004	42904810	1.25	124.3- 174.3	173.4	M
Average of Peak Amounts =						1.20			
2	6	2.143	2.140	0.003	24617687	1.14		100.0	
2	7	2.539	2.535	0.004	48411730	1.16	163.2- 223.2	196.7	
2	8	2.990	2.986	0.004	100232401	1.24	335.3- 395.3	407.2	
2	9	3.128	3.123	0.005	43540037	1.22	133.4- 193.4	176.9	
2	10	3.738	3.733	0.005	40996417	1.21	119.1- 179.1	166.5	
Average of Peak Amounts =						1.20			
						RPD = 0.01			

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 15-Apr-2013 13:05:44

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000047.D

Injection Date: 15-Apr-2013 11:11:48

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP4

Lims Batch ID: 81761

Lims Sample ID: 47

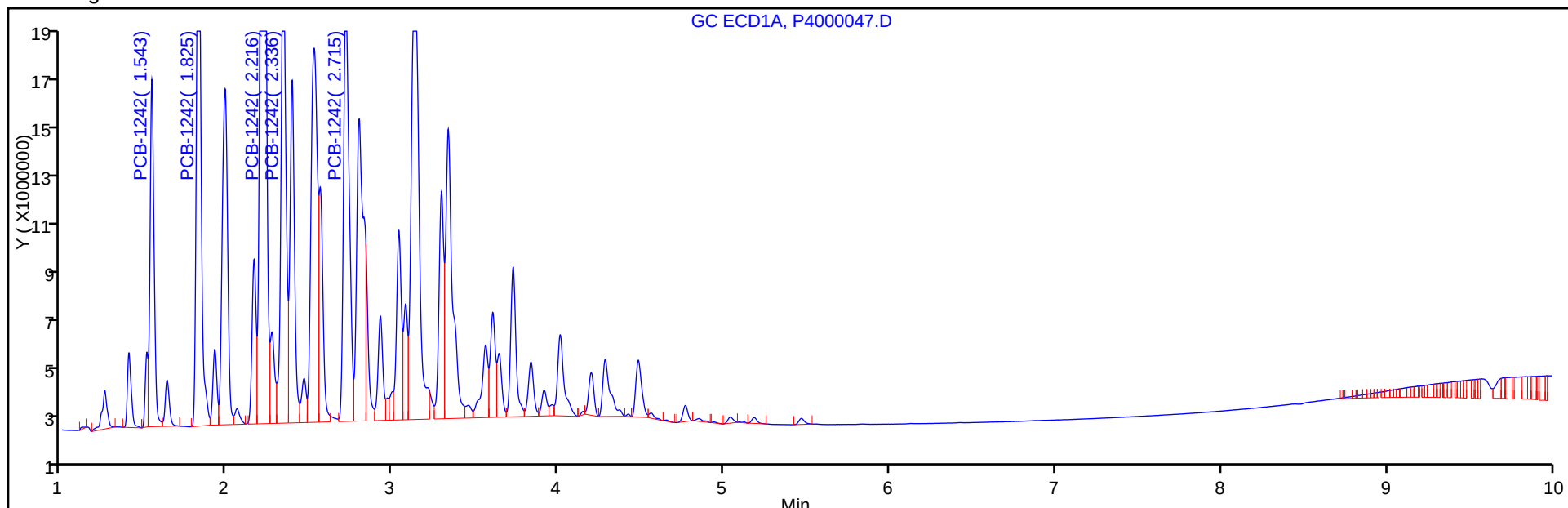
Operator ID:

Injection Vol: 1.0 ul

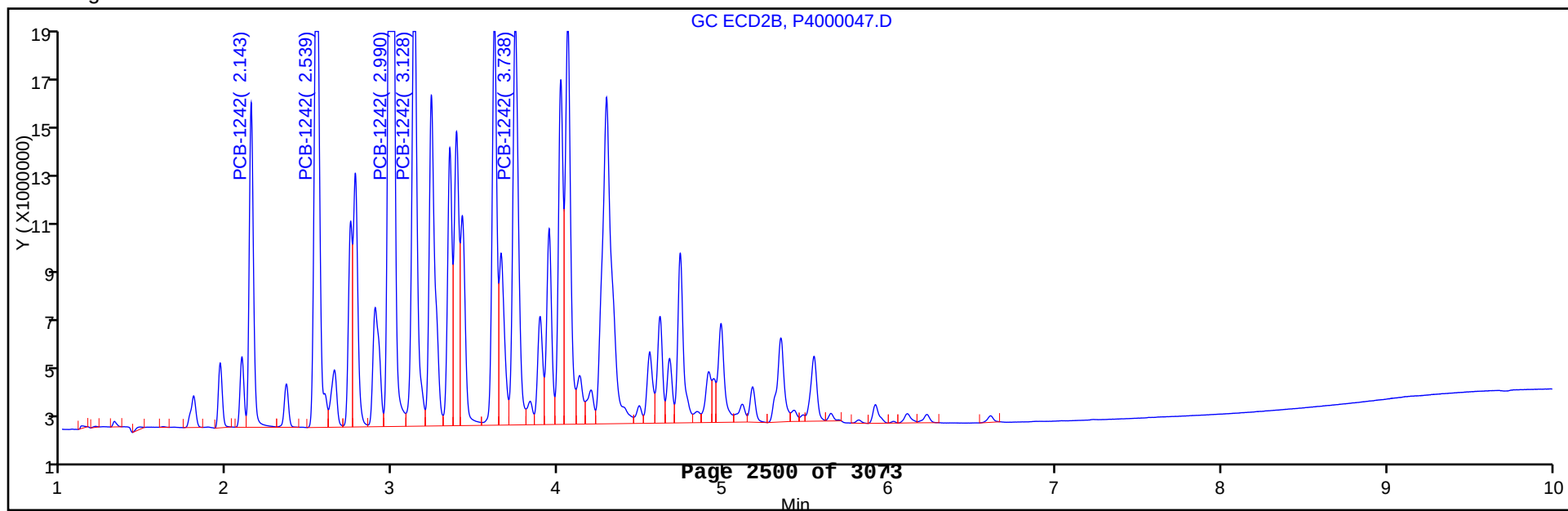
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000047.D

Injection Date: 15-Apr-2013 11:11:48

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP4

Lims Batch ID: 81761

Lims Sample ID: 47

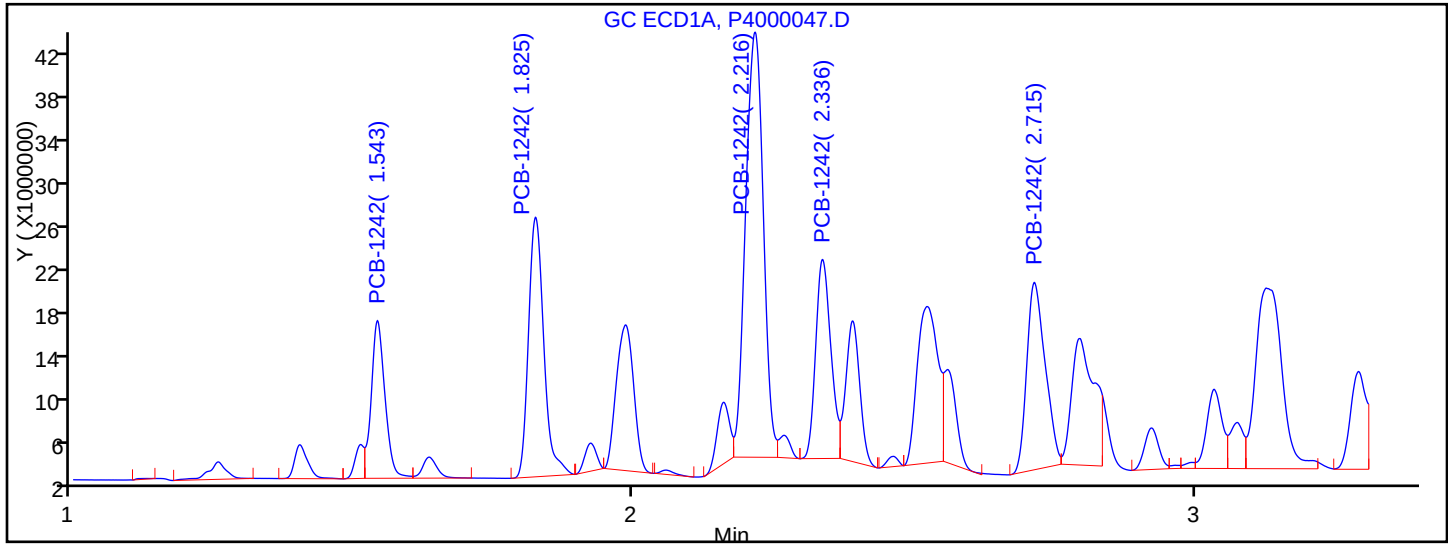
Operator ID:

Injection Vol: 1.0 ul

Column Type:

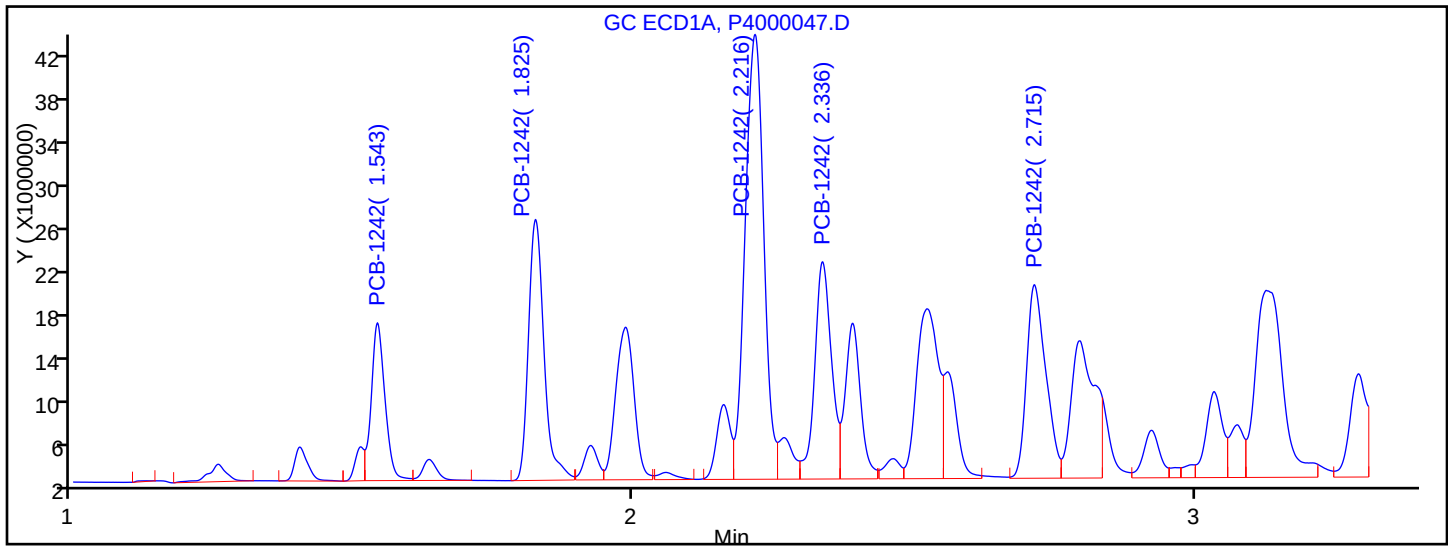
Column Dia:

5 PCB-1242, Detector: 1, GC ECD1A



Processing Integration Results

RT = 1.543	Response = 24747943	
RT = 1.825	Response = 45643145	
RT = 2.216	Response = 86704719	M
RT = 2.336	Response = 34767424	M
RT = 2.715	Response = 39659812	M



Manual Integration Results

RT = 1.543	Response = 24747943	
RT = 1.825	Response = 45643145	
RT = 2.216	Response = 95275253	M
RT = 2.336	Response = 41994189	M
RT = 2.715	Response = 42904810	M

Reviewer: hassl, 15-Apr-2013 12:49:18

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22852-1
 SDG No.: _____
 Lab Sample ID: ICV 240-81761/47 Calibration Date: 04/15/2013 11:11
 Instrument ID: A2HP4 Calib Start Date: 04/15/2013 01:16
 GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 04/15/2013 02:34
 Lab File ID: P4000047.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	21570893	24617687		1.14	1.00	14.1	20.0
PCB-1242 Peak 2	Ave	41763029	48411730		1.16	1.00	15.9	20.0
PCB-1242 Peak 3	Ave	80578499	100232401		1.24	1.00	24.4*	20.0
PCB-1242 Peak 4	Ave	35716671	43540037		1.22	1.00	21.9*	20.0
PCB-1242 Peak 5	Ave	33777075	40996417		1.21	1.00	21.4*	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22852-1
SDG No.: _____
Lab Sample ID: ICV 240-81761/47 Calibration Date: 04/15/2013 11:11
Instrument ID: A2HP4 Calib Start Date: 04/15/2013 01:16
GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 04/15/2013 02:34
Lab File ID: P4000047.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1242 Peak 1	2.14	2.04	2.24
PCB-1242 Peak 2	2.54	2.44	2.64
PCB-1242 Peak 3	2.99	2.89	3.09
PCB-1242 Peak 4	3.13	3.02	3.22
PCB-1242 Peak 5	3.74	3.63	3.83

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000047.D
 Lims ID: ICV 1242 Client ID:
 Inject. Date: 15-Apr-2013 11:11:48 Dil. Factor: 1.0000
 Sample Type: ICV
 Sample ID: 240-0018824-047
 Misc. Info.:
 Operator: Instrument ID: A2HP4
 Injection Vol: 1.0 ul ALS Bottle#: 47
 Lims Batch ID: 81761 Lims Sample ID: 47
 Sublist:
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\PCB4.m
 Last Update: 15-Apr-2013 13:05:36 Calib Date: 15-Apr-2013 10:24:45
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK026

First Level Reviewer: hassl

Date: 15-Apr-2013 12:49:18

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									M
1	100	1.543	1.540	0.003	24747943	1.15		100.0	
1	2	1.825	1.821	0.004	45643145	1.13	153.5- 203.5	184.4	
1	3	2.216	2.213	0.003	95275253	1.22	312.0- 362.0	385.0	M
1	4	2.336	2.333	0.003	41994189	1.23	127.3- 177.3	169.7	M
1	5	2.715	2.711	0.004	42904810	1.25	124.3- 174.3	173.4	M
Average of Peak Amounts =						1.20			
2	6	2.143	2.140	0.003	24617687	1.14		100.0	
2	7	2.539	2.535	0.004	48411730	1.16	163.2- 223.2	196.7	
2	8	2.990	2.986	0.004	100232401	1.24	335.3- 395.3	407.2	
2	9	3.128	3.123	0.005	43540037	1.22	133.4- 193.4	176.9	
2	10	3.738	3.733	0.005	40996417	1.21	119.1- 179.1	166.5	
Average of Peak Amounts =						1.20			
						RPD = 0.01			

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 15-Apr-2013 13:05:44

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000047.D

Injection Date: 15-Apr-2013 11:11:48

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP4

Lims Batch ID: 81761

Lims Sample ID: 47

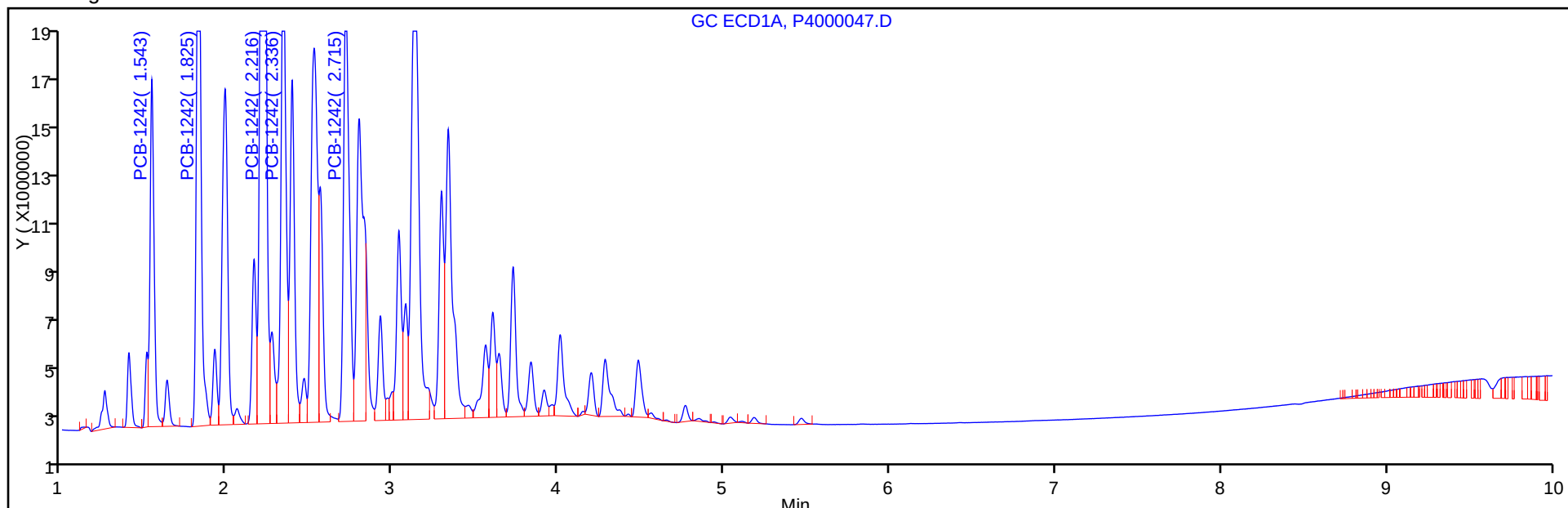
Operator ID:

Injection Vol: 1.0 ul

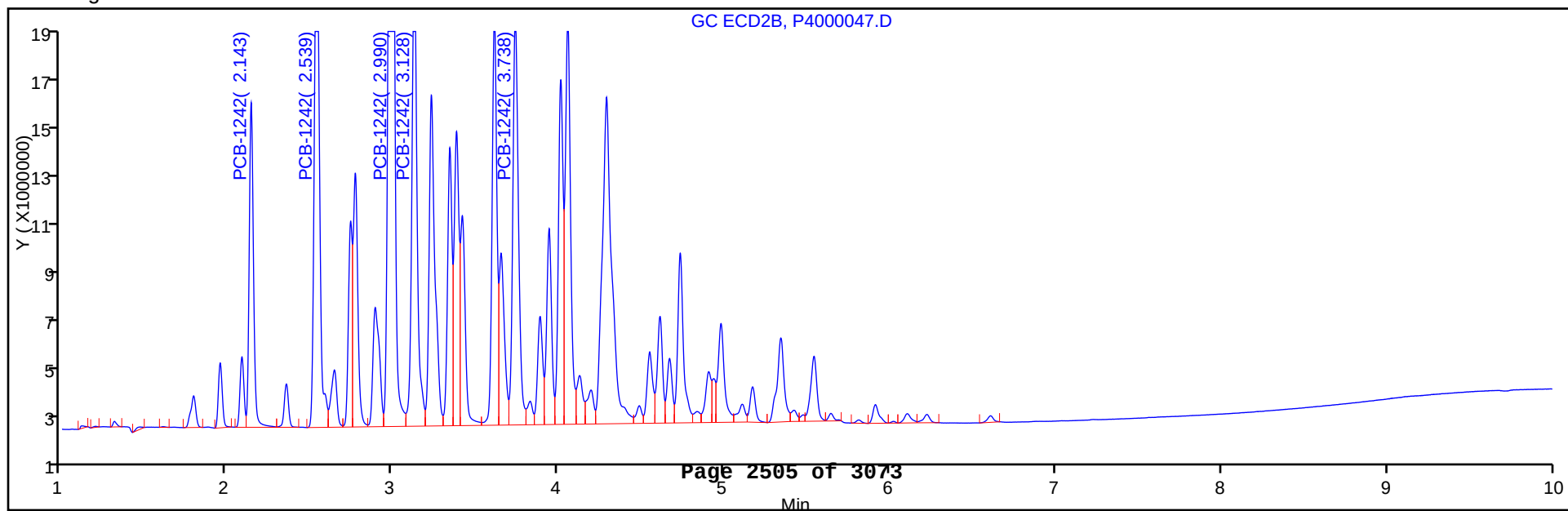
Column Type:

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.: 240-22852-1
SDG No.: _____
Lab Sample ID: ICV 240-81761/48 Calibration Date: 04/15/2013 11:27
Instrument ID: A2HP4 Calib Start Date: 04/15/2013 02:50
GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 04/15/2013 04:08
Lab File ID: P4000048.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	20160584	20562402		1.02	1.00	2.0	20.0
PCB-1248 Peak 2	Ave	48158449	50193124		1.04	1.00	4.2	20.0
PCB-1248 Peak 3	Ave	56628859	53219416		0.940	1.00	-6.0	20.0
PCB-1248 Peak 4	Ave	28315351	26978753		0.953	1.00	-4.7	20.0
PCB-1248 Peak 5	Ave	27487133	26790431		0.975	1.00	-2.5	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22852-1
SDG No.: _____
Lab Sample ID: ICV 240-81761/48 Calibration Date: 04/15/2013 11:27
Instrument ID: A2HP4 Calib Start Date: 04/15/2013 02:50
GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 04/15/2013 04:08
Lab File ID: P4000048.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1248 Peak 1	1.82	1.72	1.92
PCB-1248 Peak 2	2.21	2.11	2.31
PCB-1248 Peak 3	2.71	2.61	2.81
PCB-1248 Peak 4	3.29	3.19	3.39
PCB-1248 Peak 5	3.72	3.62	3.82

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000048.D
 Lims ID: ICV 1248 Client ID:
 Inject. Date: 15-Apr-2013 11:27:29 Dil. Factor: 1.0000
 Sample Type: ICV
 Sample ID: 240-0018824-048
 Misc. Info.:
 Operator: Instrument ID: A2HP4
 Injection Vol: 1.0 ul ALS Bottle#: 48
 Lims Batch ID: 81761 Lims Sample ID: 48
 Sublist:
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\PCB4.m
 Last Update: 15-Apr-2013 13:05:36 Calib Date: 15-Apr-2013 10:24:45
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK026

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
7 PCB-1248									
1	86	1.824	1.821	0.003	20562402	1.02		100.0	
1	2	2.214	2.210	0.004	50193124	1.04	186.1- 236.1	244.1	
1	3	2.714	2.711	0.003	53219416	0.9398	247.4- 297.4	258.8	
1	4	3.293	3.290	0.003	26978753	0.9528	106.3- 156.3	131.2	
1	5	3.724	3.721	0.003	26790431	0.9747	103.3- 153.3	130.3	
Average of Peak Amounts =						0.9859			
2	6	2.537	2.532	0.005	21125438	1.03		100.0	
2	7	2.988	2.982	0.006	53189042	1.02	215.2- 275.2	251.8	
2	8	3.738	3.733	0.005	49083401	0.9156	225.9- 285.9	232.3	
2	9	4.013	4.008	0.005	41837362	0.9372	178.4- 238.4	198.0	
2	10	4.734	4.730	0.004	29203952	0.99	97.2- 157.2	138.2	
Average of Peak Amounts =						0.9779			
						RPD = 0.81			

Report Date: 15-Apr-2013 13:05:47

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000048.D

Injection Date: 15-Apr-2013 11:27:29

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP4

Lims Batch ID: 81761

Lims Sample ID: 48

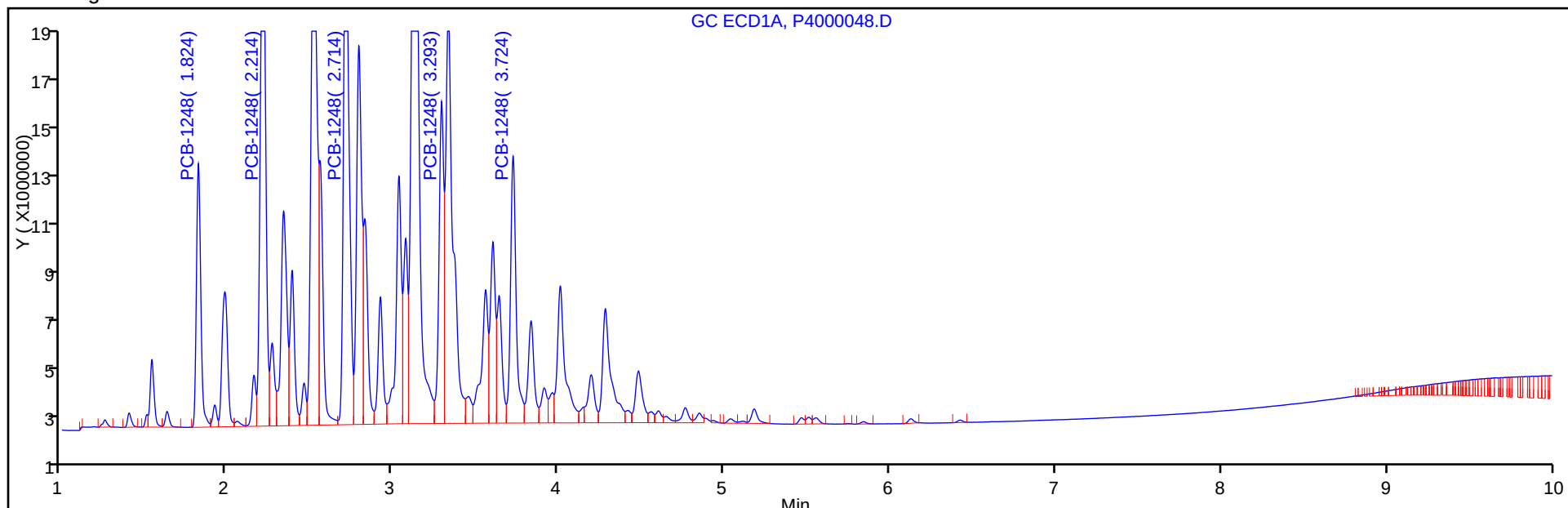
Operator ID:

Injection Vol: 1.0 ul

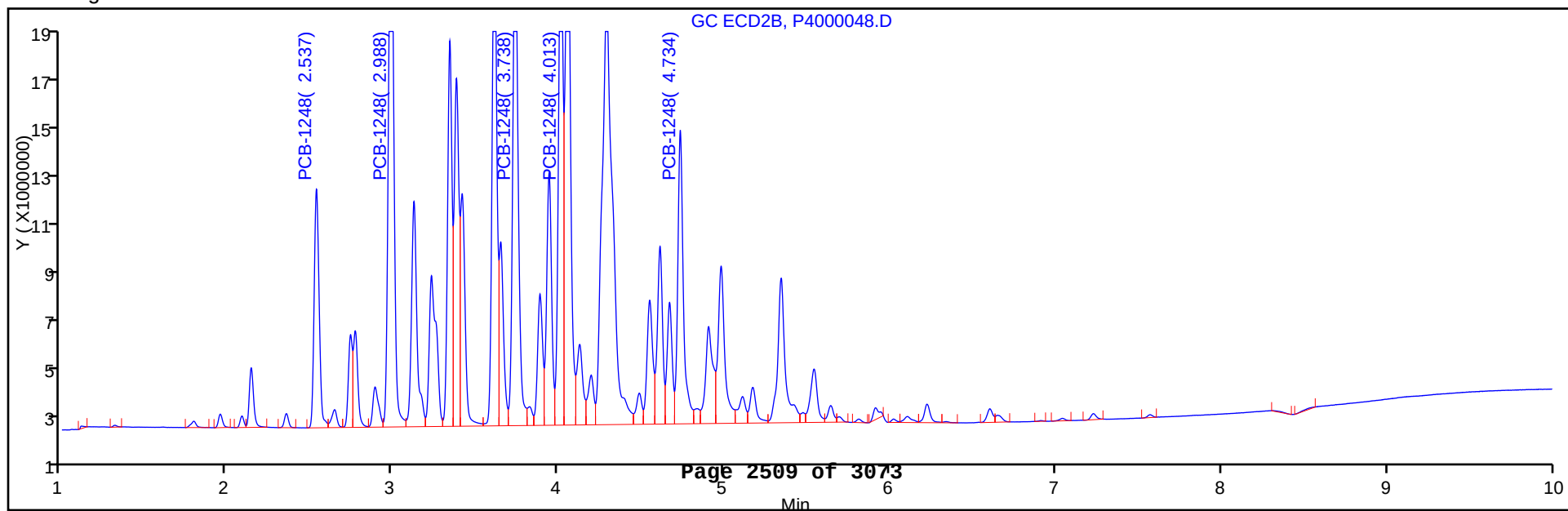
Column Type:

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.: 240-22852-1
SDG No.: _____
Lab Sample ID: ICV 240-81761/48 Calibration Date: 04/15/2013 11:27
Instrument ID: A2HP4 Calib Start Date: 04/15/2013 02:50
GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 04/15/2013 04:08
Lab File ID: P4000048.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	20551515	21125438		1.03	1.00	2.8	20.0
PCB-1248 Peak 2	Ave	52253640	53189042		1.02	1.00	1.8	20.0
PCB-1248 Peak 3	Ave	53606815	49083401		0.916	1.00	-8.4	20.0
PCB-1248 Peak 4	Ave	44641891	41837362		0.937	1.00	-6.3	20.0
PCB-1248 Peak 5	Ave	29470251	29203952		0.991	1.00	-0.9	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22852-1
SDG No.: _____
Lab Sample ID: ICV 240-81761/48 Calibration Date: 04/15/2013 11:27
Instrument ID: A2HP4 Calib Start Date: 04/15/2013 02:50
GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 04/15/2013 04:08
Lab File ID: P4000048.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1248 Peak 1	2.54	2.43	2.63
PCB-1248 Peak 2	2.99	2.88	3.08
PCB-1248 Peak 3	3.74	3.63	3.83
PCB-1248 Peak 4	4.01	3.91	4.11
PCB-1248 Peak 5	4.73	4.63	4.83

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000048.D
 Lims ID: ICV 1248 Client ID:
 Inject. Date: 15-Apr-2013 11:27:29 Dil. Factor: 1.0000
 Sample Type: ICV
 Sample ID: 240-0018824-048
 Misc. Info.:
 Operator: Instrument ID: A2HP4
 Injection Vol: 1.0 ul ALS Bottle#: 48
 Lims Batch ID: 81761 Lims Sample ID: 48
 Sublist:
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\PCB4.m
 Last Update: 15-Apr-2013 13:05:36 Calib Date: 15-Apr-2013 10:24:45
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK026

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
7 PCB-1248									
1	86	1.824	1.821	0.003	20562402	1.02		100.0	
1	2	2.214	2.210	0.004	50193124	1.04	186.1- 236.1	244.1	
1	3	2.714	2.711	0.003	53219416	0.9398	247.4- 297.4	258.8	
1	4	3.293	3.290	0.003	26978753	0.9528	106.3- 156.3	131.2	
1	5	3.724	3.721	0.003	26790431	0.9747	103.3- 153.3	130.3	
Average of Peak Amounts =						0.9859			
2	6	2.537	2.532	0.005	21125438	1.03		100.0	
2	7	2.988	2.982	0.006	53189042	1.02	215.2- 275.2	251.8	
2	8	3.738	3.733	0.005	49083401	0.9156	225.9- 285.9	232.3	
2	9	4.013	4.008	0.005	41837362	0.9372	178.4- 238.4	198.0	
2	10	4.734	4.730	0.004	29203952	0.99	97.2- 157.2	138.2	
Average of Peak Amounts =						0.9779			
						RPD = 0.81			

Report Date: 15-Apr-2013 13:05:47

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000048.D

Injection Date: 15-Apr-2013 11:27:29

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP4

Lims Batch ID: 81761

Lims Sample ID: 48

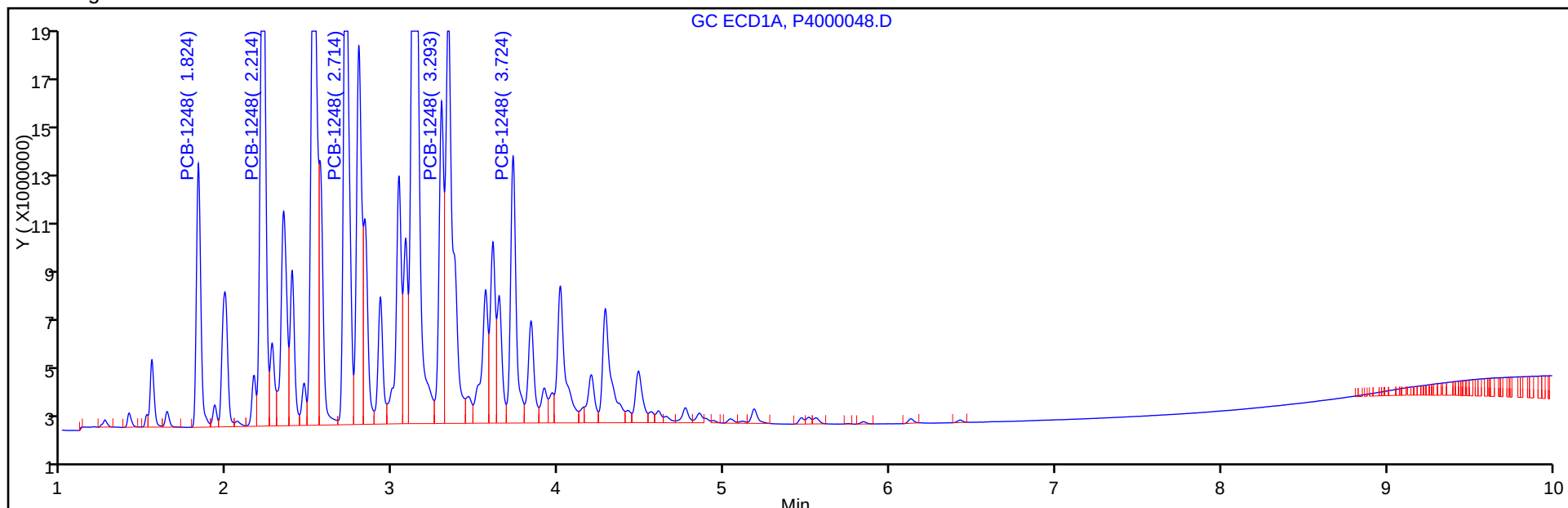
Operator ID:

Injection Vol: 1.0 ul

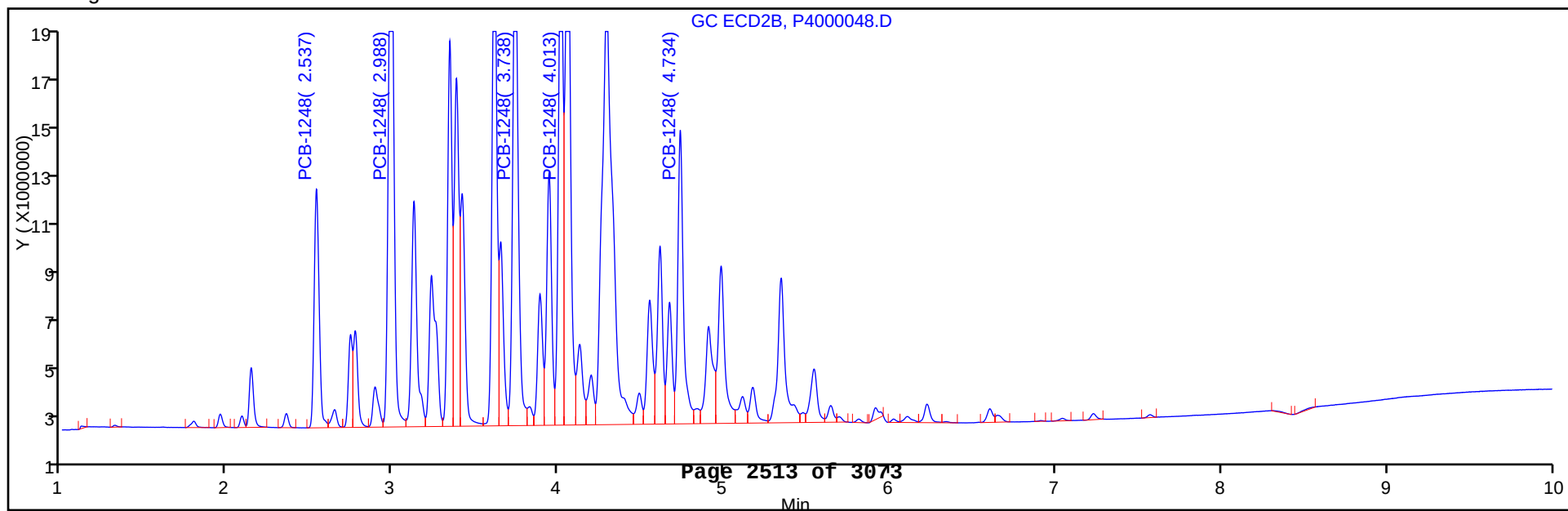
Column Type:

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.: 240-22852-1
SDG No.: _____
Lab Sample ID: ICV 240-81761/49 Calibration Date: 04/15/2013 11:43
Instrument ID: A2HP4 Calib Start Date: 04/15/2013 04:24
GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 04/15/2013 05:42
Lab File ID: P4000049.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	78208442	78097433		0.999	1.00	-0.1	20.0
PCB-1254 Peak 2	Ave	84770184	83541523		0.986	1.00	-1.4	20.0
PCB-1254 Peak 3	Ave	55079569	58896469		1.07	1.00	6.9	20.0
PCB-1254 Peak 4	Ave	54281358	56491523		1.04	1.00	4.1	20.0
PCB-1254 Peak 5	Ave	78382214	82995143		1.06	1.00	5.9	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22852-1
SDG No.: _____
Lab Sample ID: ICV 240-81761/49 Calibration Date: 04/15/2013 11:43
Instrument ID: A2HP4 Calib Start Date: 04/15/2013 04:24
GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 04/15/2013 05:42
Lab File ID: P4000049.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1254 Peak 1	3.34	3.24	3.44
PCB-1254 Peak 2	3.73	3.62	3.82
PCB-1254 Peak 3	4.01	3.91	4.11
PCB-1254 Peak 4	4.20	4.10	4.30
PCB-1254 Peak 5	4.48	4.38	4.58

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000049.D
 Lims ID: ICV 1254 Client ID:
 Inject. Date: 15-Apr-2013 11:43:08 Dil. Factor: 1.0000
 Sample Type: ICV
 Sample ID: 240-0018824-049
 Misc. Info.:
 Operator: Instrument ID: A2HP4
 Injection Vol: 1.0 ul ALS Bottle#: 49
 Lims Batch ID: 81761 Lims Sample ID: 49
 Sublist:
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\PCB4.m
 Last Update: 15-Apr-2013 13:05:36 Calib Date: 15-Apr-2013 10:24:45
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK026

First Level Reviewer: hassl

Date: 15-Apr-2013 12:50:33

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
8 PCB-1254									M
1	100	3.338	3.335	0.003	78097433	1.00		100.0	M
1	2	3.725	3.722	0.003	83541523	0.9855	82.1- 132.1	107.0	M
1	3	4.008	4.007	0.001	58896469	1.07	43.1- 93.1	75.4	M
1	4	4.196	4.195	0.001	56491523	1.04	43.7- 93.7	72.3	M
1	5	4.479	4.479	0.000	82995143	1.06	73.6- 123.6	106.3	M
Average of Peak Amounts =						1.03			
2	6	4.256	4.255	0.001	54550020	0.9528		100.0	
2	7	4.734	4.732	0.002	86983237	0.9580	125.6- 185.6	159.5	
2	8	4.980	4.979	0.001	52880960	0.9599	62.4- 122.4	96.9	
2	9	5.339	5.338	0.001	64439018	1.06	43.9- 103.9	118.1	
2	10	5.540	5.540	0.000	87310642	1.02	115.2- 175.2	160.1	
Average of Peak Amounts =						0.99			
						RPD = 3.91			

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 15-Apr-2013 13:05:49

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000049.D

Injection Date: 15-Apr-2013 11:43:08

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP4

Lims Batch ID: 81761

Lims Sample ID: 49

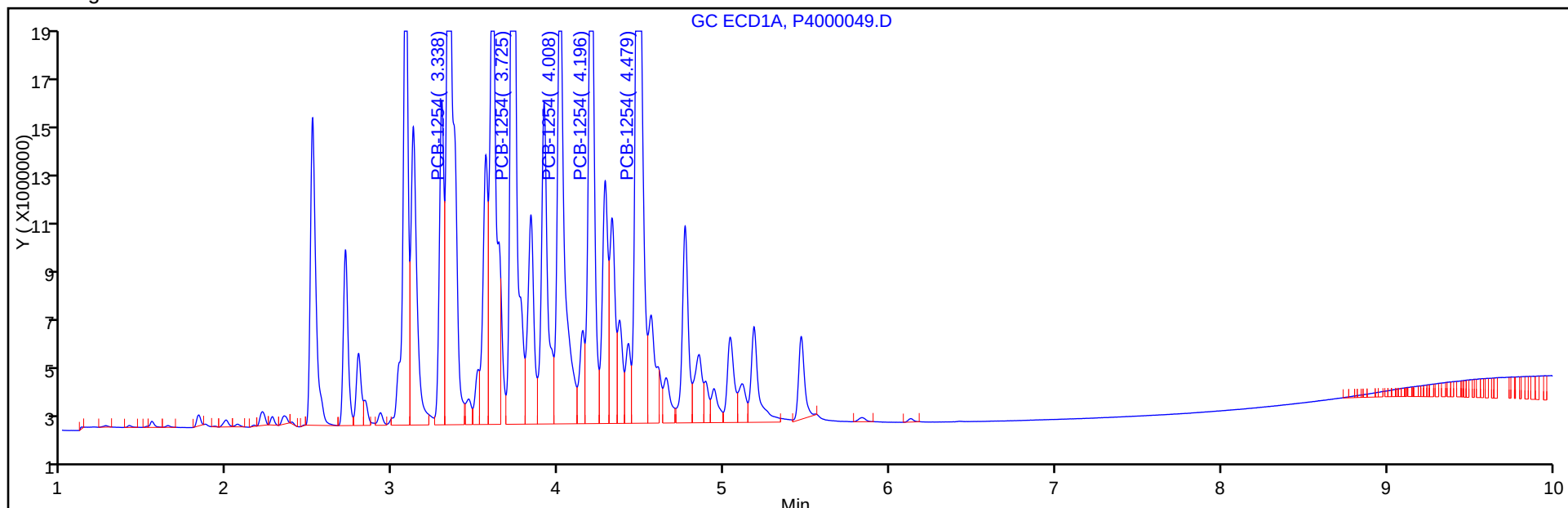
Operator ID:

Injection Vol: 1.0 ul

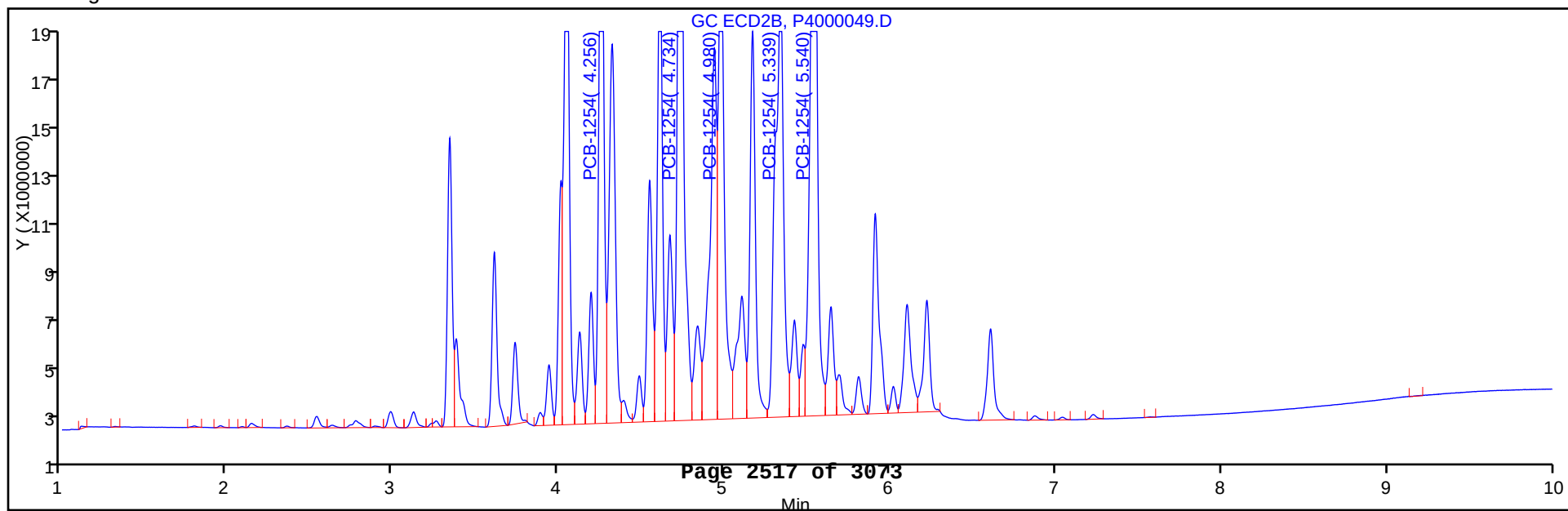
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000049.D

Injection Date: 15-Apr-2013 11:43:08

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP4

Lims Batch ID: 81761

Lims Sample ID: 49

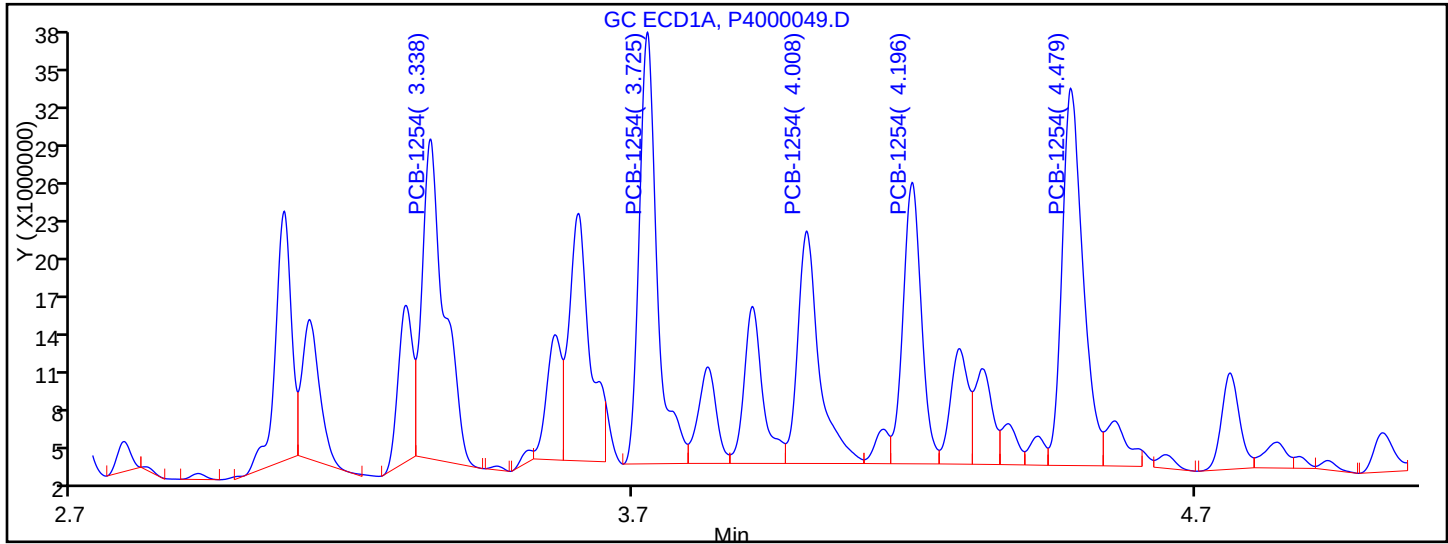
Operator ID:

Injection Vol: 1.0 ul

Column Type:

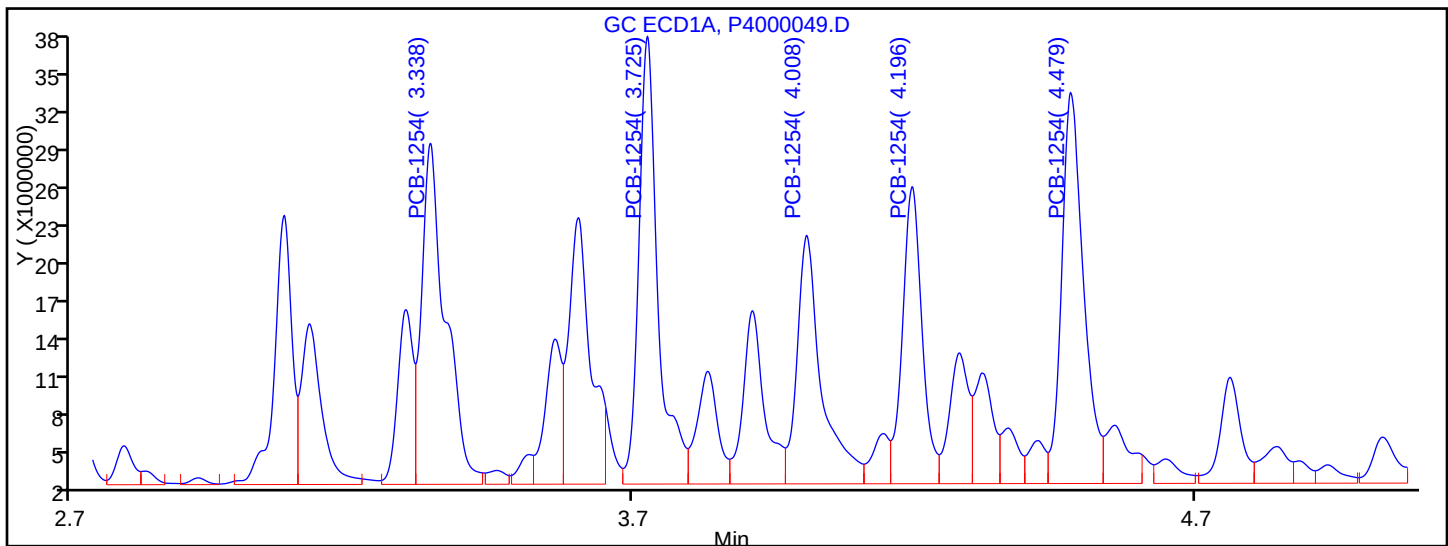
Column Dia:

8 PCB-1254, Detector: 1, GC ECD1A



Processing Integration Results

RT = 3.338	Response = 68252451	M
RT = 3.725	Response = 74827370	M
RT = 4.008	Response = 48412165	M
RT = 4.196	Response = 50184544	M
RT = 4.479	Response = 76742515	M



Manual Integration Results

RT = 3.338	Response = 78097433	M
RT = 3.725	Response = 83541523	M
RT = 4.008	Response = 58896469	M
RT = 4.196	Response = 56491523	M
RT = 4.479	Response = 82995143	M

Reviewer: hassl, 15-Apr-2013 12:50:33

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22852-1
SDG No.: _____
Lab Sample ID: ICV 240-81761/49 Calibration Date: 04/15/2013 11:43
Instrument ID: A2HP4 Calib Start Date: 04/15/2013 04:24
GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 04/15/2013 05:42
Lab File ID: P4000049.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	57249587	54550020		0.953	1.00	-4.7	20.0
PCB-1254 Peak 2	Ave	90792716	86983237		0.958	1.00	-4.2	20.0
PCB-1254 Peak 3	Ave	55089587	52880960		0.960	1.00	-4.0	20.0
PCB-1254 Peak 4	Qua		64439018		1.06	1.00	6.4	20.0
PCB-1254 Peak 5	Ave	85557979	87310642		1.02	1.00	2.0	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22852-1
SDG No.: _____
Lab Sample ID: ICV 240-81761/49 Calibration Date: 04/15/2013 11:43
Instrument ID: A2HP4 Calib Start Date: 04/15/2013 04:24
GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 04/15/2013 05:42
Lab File ID: P4000049.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1254 Peak 1	4.26	4.16	4.36
PCB-1254 Peak 2	4.73	4.63	4.83
PCB-1254 Peak 3	4.98	4.88	5.08
PCB-1254 Peak 4	5.34	5.24	5.44
PCB-1254 Peak 5	5.54	5.44	5.64

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000049.D
 Lims ID: ICV 1254 Client ID:
 Inject. Date: 15-Apr-2013 11:43:08 Dil. Factor: 1.0000
 Sample Type: ICV
 Sample ID: 240-0018824-049
 Misc. Info.:
 Operator: Instrument ID: A2HP4
 Injection Vol: 1.0 ul ALS Bottle#: 49
 Lims Batch ID: 81761 Lims Sample ID: 49
 Sublist:
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\PCB4.m
 Last Update: 15-Apr-2013 13:05:36 Calib Date: 15-Apr-2013 10:24:45
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK026

First Level Reviewer: hassl

Date: 15-Apr-2013 12:50:33

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
8 PCB-1254									M
1	100	3.338	3.335	0.003	78097433	1.00		100.0	M
1	2	3.725	3.722	0.003	83541523	0.9855	82.1- 132.1	107.0	M
1	3	4.008	4.007	0.001	58896469	1.07	43.1- 93.1	75.4	M
1	4	4.196	4.195	0.001	56491523	1.04	43.7- 93.7	72.3	M
1	5	4.479	4.479	0.000	82995143	1.06	73.6- 123.6	106.3	M
Average of Peak Amounts =						1.03			
2	6	4.256	4.255	0.001	54550020	0.9528		100.0	
2	7	4.734	4.732	0.002	86983237	0.9580	125.6- 185.6	159.5	
2	8	4.980	4.979	0.001	52880960	0.9599	62.4- 122.4	96.9	
2	9	5.339	5.338	0.001	64439018	1.06	43.9- 103.9	118.1	
2	10	5.540	5.540	0.000	87310642	1.02	115.2- 175.2	160.1	
Average of Peak Amounts =						0.99			
						RPD = 3.91			

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 15-Apr-2013 13:05:49

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000049.D

Injection Date: 15-Apr-2013 11:43:08

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP4

Lims Batch ID: 81761

Lims Sample ID: 49

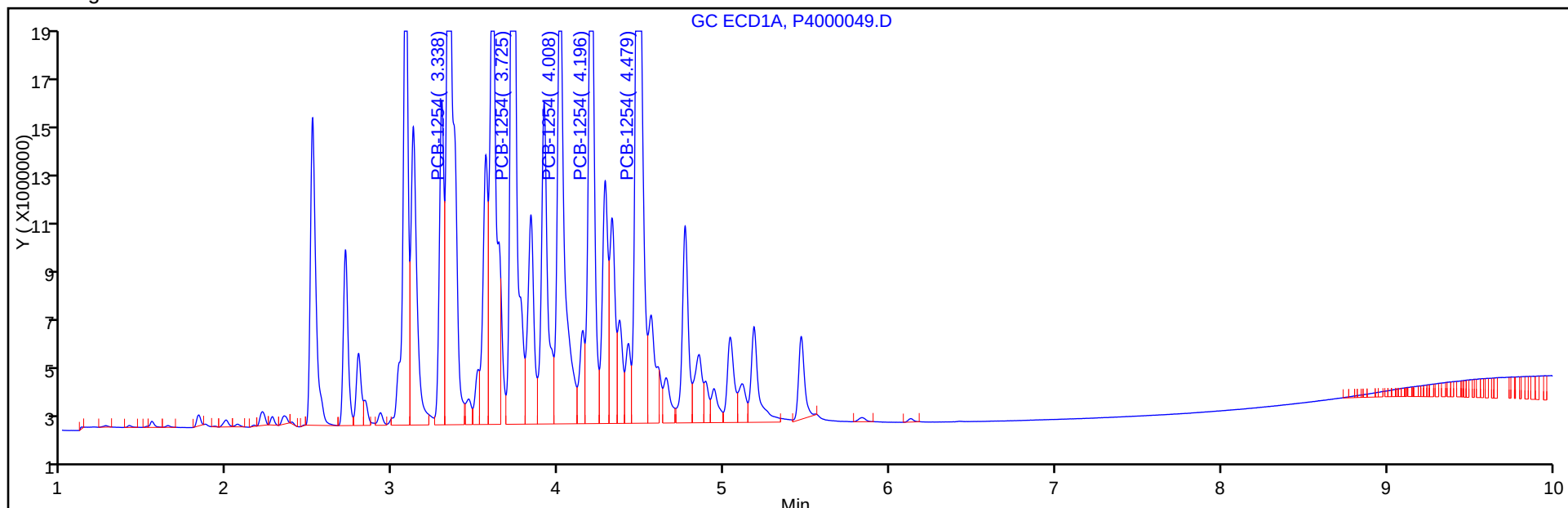
Operator ID:

Injection Vol: 1.0 ul

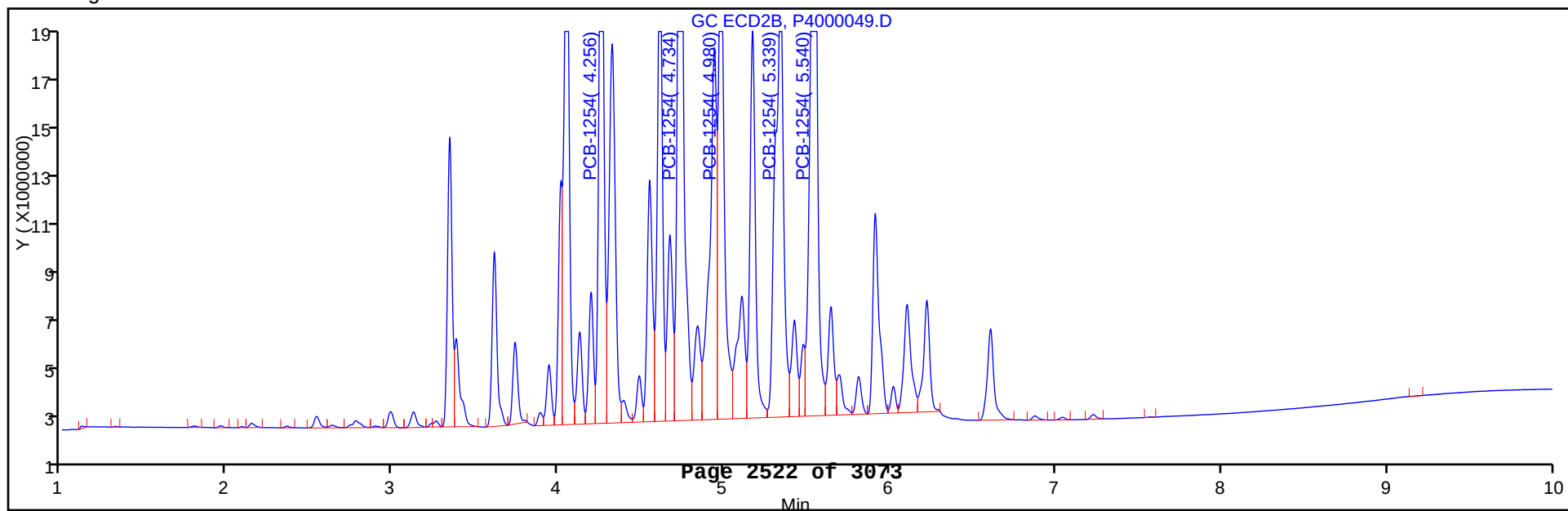
Column Type:

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.: 240-22852-1

SDG No.: _____

Lab Sample ID: ICV 240-81761/50 Calibration Date: 04/15/2013 11:58

Instrument ID: A2HP4 Calib Start Date: 04/15/2013 05:58

GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 04/15/2013 07:16

Lab File ID: P4000050.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	27137284	26394423		0.973	1.00	-2.7	20.0
PCB-1016 Peak 2	Ave	48967138	52458419		1.07	1.00	7.1	20.0
PCB-1016 Peak 3	Ave	93440084	108960522		1.17	1.00	16.6	20.0
PCB-1016 Peak 4	Ave	41962283	47527384		1.13	1.00	13.3	20.0
PCB-1016 Peak 5	Ave	42399034	46463290		1.10	1.00	9.6	20.0
PCB-1260 Peak 1	Ave	62400345	65734311		1.05	1.00	5.3	20.0
PCB-1260 Peak 2	Ave	110128120	116951409		1.06	1.00	6.2	20.0
PCB-1260 Peak 3	Ave	107668512	108823251		1.01	1.00	1.1	20.0
PCB-1260 Peak 4	Ave	129376197	170284982		1.32	1.00	31.6*	20.0
PCB-1260 Peak 5	Ave	58244642	74264351		1.28	1.00	27.5*	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22852-1
SDG No.: _____
Lab Sample ID: ICV 240-81761/50 Calibration Date: 04/15/2013 11:58
Instrument ID: A2HP4 Calib Start Date: 04/15/2013 05:58
GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 04/15/2013 07:16
Lab File ID: P4000050.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	1.54	1.44	1.64
PCB-1016 Peak 2	1.82	1.72	1.92
PCB-1016 Peak 3	2.22	2.12	2.32
PCB-1016 Peak 4	2.34	2.24	2.44
PCB-1016 Peak 5	2.71	2.61	2.81
PCB-1260 Peak 1	3.91	3.81	4.01
PCB-1260 Peak 2	4.20	4.10	4.30
PCB-1260 Peak 3	4.48	4.38	4.58
PCB-1260 Peak 4	5.18	5.08	5.28
PCB-1260 Peak 5	5.46	5.36	5.56

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000050.D
 Lims ID: ICV 1660 Client ID:
 Inject. Date: 15-Apr-2013 11:58:43 Dil. Factor: 1.0000
 Sample Type: ICV
 Sample ID: 240-0018824-050

Misc. Info.:

Operator: Instrument ID: A2HP4
 Injection Vol: 1.0 ul ALS Bottle#: 50
 Lims Batch ID: 81761 Lims Sample ID: 50
 Sublist:
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\PCB4.m
 Last Update: 15-Apr-2013 13:05:36 Calib Date: 15-Apr-2013 10:24:45
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon

Column Type: Column Dia:
 Process Host: XAWRK026

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

6 PCB-1016

1	100	1.543	1.542	0.001	26394423	0.9726		100.0	
1	2	1.824	1.824	0.000	52458419	1.07	156.0- 206.0	198.7	
1	3	2.216	2.216	0.000	108960522	1.17	312.4- 362.4	412.8	
1	4	2.336	2.336	0.000	47527384	1.13	118.7- 188.7	180.1	
1	5	2.714	2.714	0.000	46463290	1.10	125.6- 175.6	176.0	

Average of Peak Amounts = 1.09

2	6	2.142	2.142	0.000	26453135	1.03		100.0	
2	7	2.538	2.538	0.000	54398101	1.07	169.6- 229.6	205.6	
2	8	2.989	2.989	0.000	114525960	1.15	351.4- 411.4	432.9	
2	9	3.128	3.127	0.001	49095632	1.12	141.3- 201.3	185.6	
2	10	3.231	3.230	0.001	39265162	1.15	102.5- 162.5	148.4	

Average of Peak Amounts = 1.10

RPD = 1.43

10 PCB-1260

1	100	3.911	3.911	0.000	65734311	1.05		100.0	
1	2	4.199	4.199	0.000	116951409	1.06	152.2- 202.2	177.9	
1	3	4.479	4.479	0.000	108823251	1.01	146.4- 196.4	165.6	
1	4	5.179	5.178	0.001	170284982	1.32	180.7- 230.7	259.1	
1	5	5.463	5.464	-0.001	74264351	1.28	64.1- 114.1	113.0	

Average of Peak Amounts = 1.14

2	6	4.939	4.940	-0.001	70748168	1.03		100.0	
2	7	5.169	5.170	-0.001	86364601	1.08	87.6- 147.6	122.1	
2	8	5.536	5.539	-0.003	118809913	1.01	144.7- 204.7	167.9	
2	9	6.222	6.224	-0.002	190043048	1.30	187.7- 247.7	268.6	
2	10	6.604	6.604	0.000	121763502	1.26	115.0- 175.0	172.1	

Average of Peak Amounts = 1.14

RPD = 0.68

Report Date: 15-Apr-2013 13:05:52

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000050.D

Injection Date: 15-Apr-2013 11:58:43

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP4

Lims Batch ID: 81761

Lims Sample ID: 50

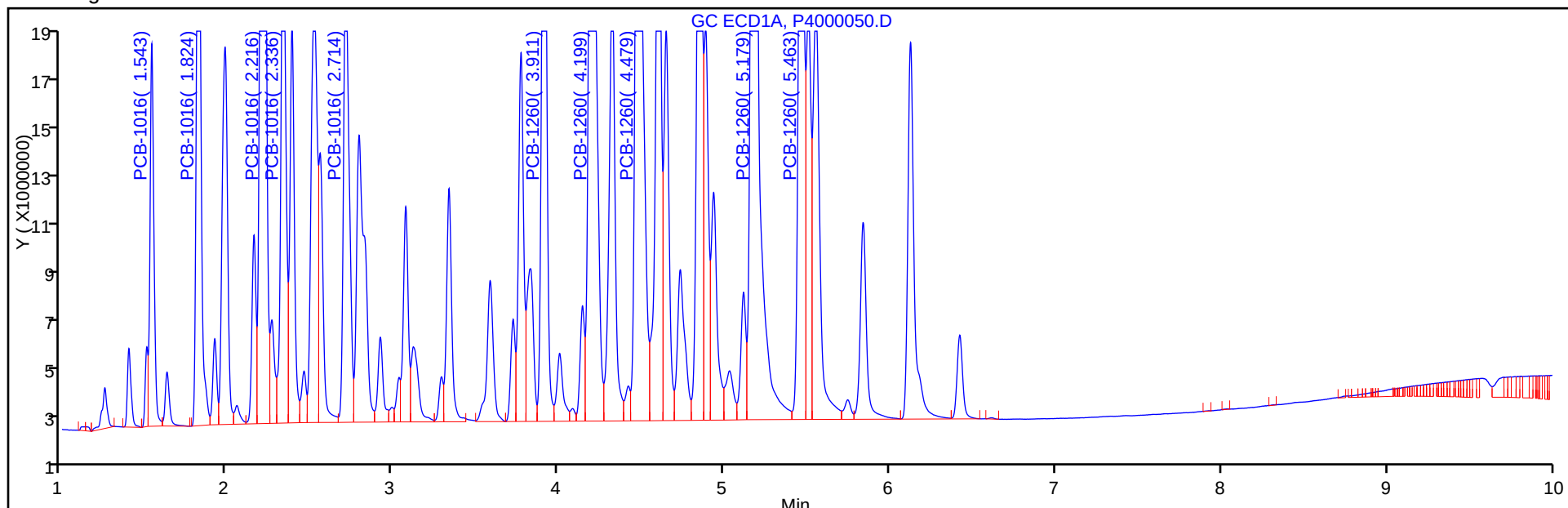
Operator ID:

Injection Vol: 1.0 ul

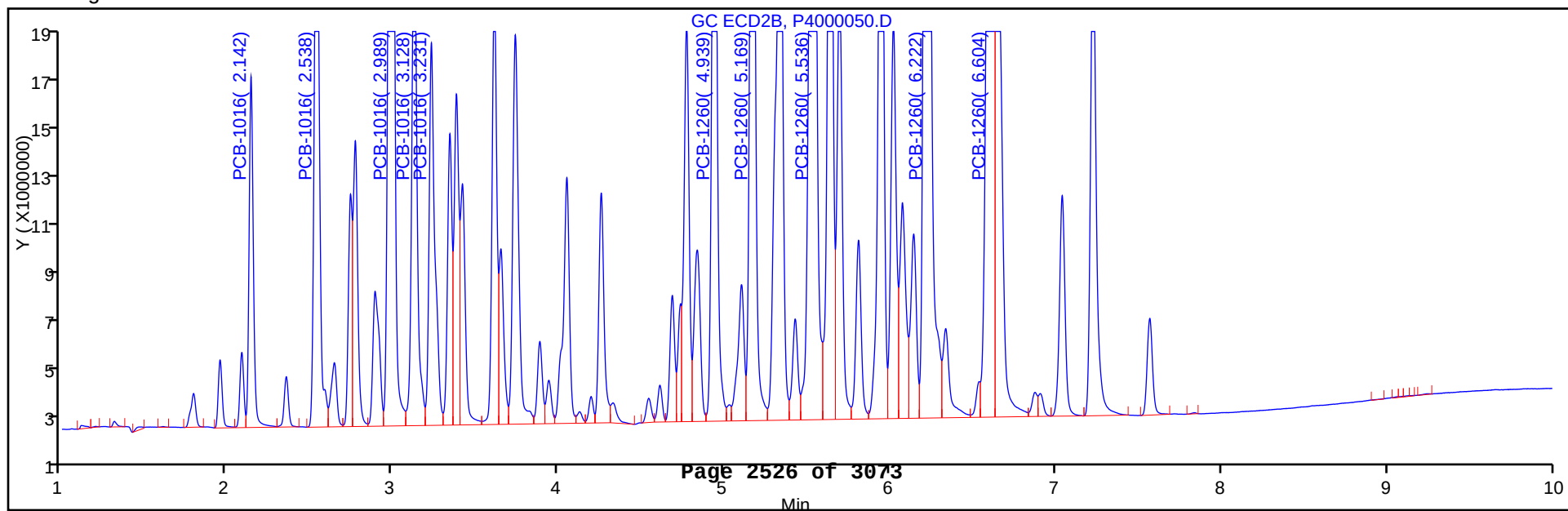
Column Type:

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.: 240-22852-1
 SDG No.: _____
 Lab Sample ID: ICV 240-81761/50 Calibration Date: 04/15/2013 11:58
 Instrument ID: A2HP4 Calib Start Date: 04/15/2013 05:58
 GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 04/15/2013 07:16
 Lab File ID: P4000050.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	25648240	26453135		1.03	1.00	3.1	20.0
PCB-1016 Peak 2	Ave	50771162	54398101		1.07	1.00	7.1	20.0
PCB-1016 Peak 3	Ave	99379492	114525960		1.15	1.00	15.2	20.0
PCB-1016 Peak 4	Ave	44018240	49095632		1.12	1.00	11.5	20.0
PCB-1016 Peak 5	Ave	34251515	39265162		1.15	1.00	14.6	20.0
PCB-1260 Peak 1	Ave	68786213	70748168		1.03	1.00	2.9	20.0
PCB-1260 Peak 2	Ave	79832052	86364601		1.08	1.00	8.2	20.0
PCB-1260 Peak 3	Ave	118169923	118809913		1.01	1.00	0.5	20.0
PCB-1260 Peak 4	Ave	145808797	190043048		1.30	1.00	30.3*	20.0
PCB-1260 Peak 5	Ave	96662928	121763502		1.26	1.00	26.0*	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22852-1
SDG No.: _____
Lab Sample ID: ICV 240-81761/50 Calibration Date: 04/15/2013 11:58
Instrument ID: A2HP4 Calib Start Date: 04/15/2013 05:58
GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 04/15/2013 07:16
Lab File ID: P4000050.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.14	2.04	2.24
PCB-1016 Peak 2	2.54	2.44	2.64
PCB-1016 Peak 3	2.99	2.89	3.09
PCB-1016 Peak 4	3.13	3.03	3.23
PCB-1016 Peak 5	3.23	3.13	3.33
PCB-1260 Peak 1	4.94	4.84	5.04
PCB-1260 Peak 2	5.17	5.07	5.27
PCB-1260 Peak 3	5.54	5.44	5.64
PCB-1260 Peak 4	6.22	6.12	6.32
PCB-1260 Peak 5	6.60	6.50	6.70

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000050.D
 Lims ID: ICV 1660 Client ID:
 Inject. Date: 15-Apr-2013 11:58:43 Dil. Factor: 1.0000
 Sample Type: ICV
 Sample ID: 240-0018824-050
 Misc. Info.:
 Operator: Instrument ID: A2HP4
 Injection Vol: 1.0 ul ALS Bottle#: 50
 Lims Batch ID: 81761 Lims Sample ID: 50
 Sublist:
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\PCB4.m
 Last Update: 15-Apr-2013 13:05:36 Calib Date: 15-Apr-2013 10:24:45
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK026

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

6 PCB-1016

1	100	1.543	1.542	0.001	26394423	0.9726		100.0	
1	2	1.824	1.824	0.000	52458419	1.07	156.0- 206.0	198.7	
1	3	2.216	2.216	0.000	108960522	1.17	312.4- 362.4	412.8	
1	4	2.336	2.336	0.000	47527384	1.13	118.7- 188.7	180.1	
1	5	2.714	2.714	0.000	46463290	1.10	125.6- 175.6	176.0	
Average of Peak Amounts =						1.09			
2	6	2.142	2.142	0.000	26453135	1.03		100.0	
2	7	2.538	2.538	0.000	54398101	1.07	169.6- 229.6	205.6	
2	8	2.989	2.989	0.000	114525960	1.15	351.4- 411.4	432.9	
2	9	3.128	3.127	0.001	49095632	1.12	141.3- 201.3	185.6	
2	10	3.231	3.230	0.001	39265162	1.15	102.5- 162.5	148.4	
Average of Peak Amounts =						1.10			

RPD = 1.43

10 PCB-1260

1	100	3.911	3.911	0.000	65734311	1.05		100.0	
1	2	4.199	4.199	0.000	116951409	1.06	152.2- 202.2	177.9	
1	3	4.479	4.479	0.000	108823251	1.01	146.4- 196.4	165.6	
1	4	5.179	5.178	0.001	170284982	1.32	180.7- 230.7	259.1	
1	5	5.463	5.464	-0.001	74264351	1.28	64.1- 114.1	113.0	
Average of Peak Amounts =						1.14			
2	6	4.939	4.940	-0.001	70748168	1.03		100.0	
2	7	5.169	5.170	-0.001	86364601	1.08	87.6- 147.6	122.1	
2	8	5.536	5.539	-0.003	118809913	1.01	144.7- 204.7	167.9	
2	9	6.222	6.224	-0.002	190043048	1.30	187.7- 247.7	268.6	
2	10	6.604	6.604	0.000	121763502	1.26	115.0- 175.0	172.1	
Average of Peak Amounts =						1.14			

RPD = 0.68

Report Date: 15-Apr-2013 13:05:53

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000050.D

Injection Date: 15-Apr-2013 11:58:43

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP4

Lims Batch ID: 81761

Lims Sample ID: 50

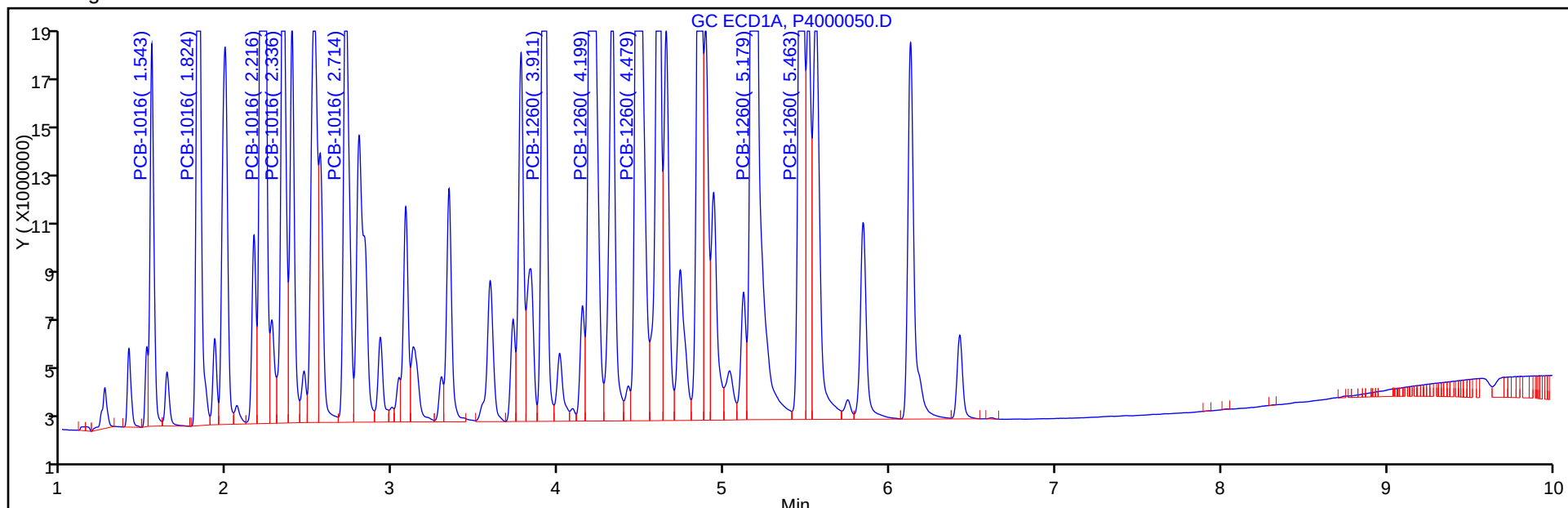
Operator ID:

Injection Vol: 1.0 ul

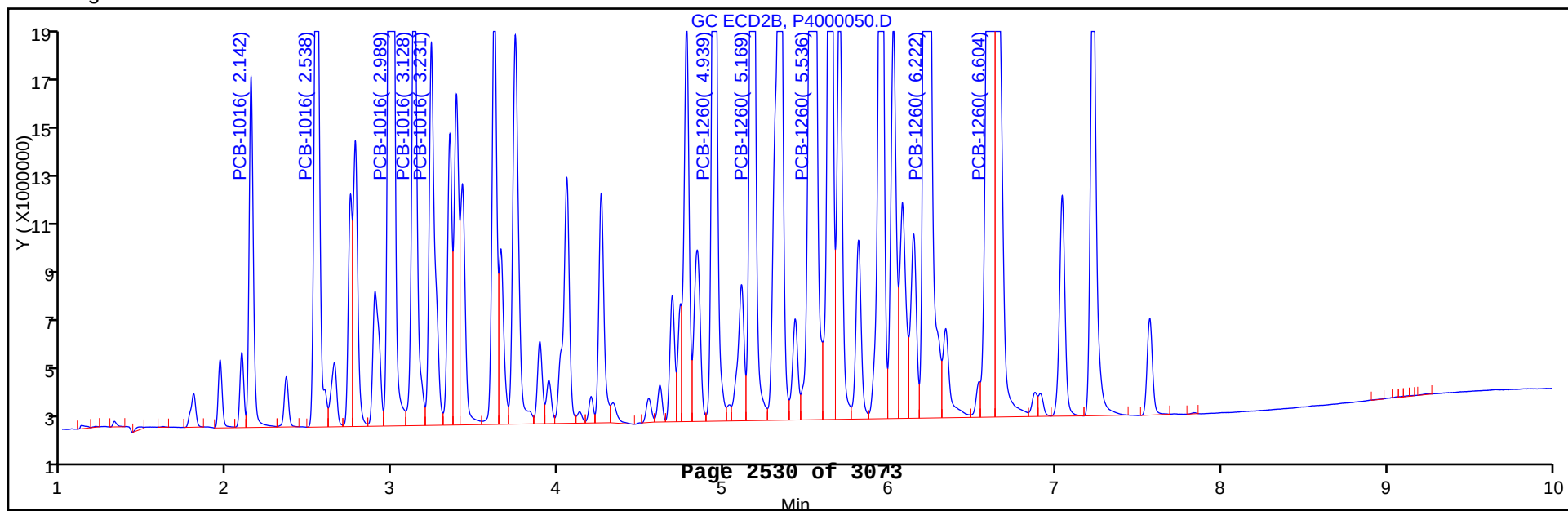
Column Type:

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.: 240-22852-1
 SDG No.: _____
 Lab Sample ID: CCV 240-82392/3 Calibration Date: 04/17/2013 17:17
 Instrument ID: A2HP4 Calib Start Date: 04/15/2013 05:58
 GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 04/15/2013 07:16
 Lab File ID: P4000003.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	27137284	25399686		0.468	0.500	-6.4	20.0
PCB-1016 Peak 2	Ave	48967138	45419994		0.464	0.500	-7.2	20.0
PCB-1016 Peak 3	Ave	93440084	94930118		0.508	0.500	1.6	20.0
PCB-1016 Peak 4	Ave	41962283	41317078		0.492	0.500	-1.5	20.0
PCB-1016 Peak 5	Ave	42399034	41115364		0.485	0.500	-3.0	20.0
PCB-1260 Peak 1	Ave	62400345	61242492		0.491	0.500	-1.9	20.0
PCB-1260 Peak 2	Ave	110128120	111610512		0.507	0.500	1.3	20.0
PCB-1260 Peak 3	Ave	107668512	113891674		0.529	0.500	5.8	20.0
PCB-1260 Peak 4	Ave	129376197	137128096		0.530	0.500	6.0	20.0
PCB-1260 Peak 5	Ave	58244642	67840808		0.582	0.500	16.5	20.0
Tetrachloro-m-xylene	Ave	1583607317	1486696160		0.0235	0.0250	-6.1	20.0
DCB Decachlorobiphenyl	Ave	1335217125	1397792400		0.0262	0.0250	4.7	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22852-1
SDG No.: _____
Lab Sample ID: CCV 240-82392/3 Calibration Date: 04/17/2013 17:17
Instrument ID: A2HP4 Calib Start Date: 04/15/2013 05:58
GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 04/15/2013 07:16
Lab File ID: P4000003.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	1.55	1.45	1.65
PCB-1016 Peak 2	1.83	1.73	1.93
PCB-1016 Peak 3	2.22	2.12	2.32
PCB-1016 Peak 4	2.34	2.24	2.44
PCB-1016 Peak 5	2.72	2.62	2.82
PCB-1260 Peak 1	3.92	3.82	4.02
PCB-1260 Peak 2	4.20	4.10	4.30
PCB-1260 Peak 3	4.48	4.38	4.58
PCB-1260 Peak 4	5.18	5.08	5.28
PCB-1260 Peak 5	5.47	5.37	5.57
Tetrachloro-m-xylene	1.28	1.18	1.38
DCB Decachlorobiphenyl	6.62	6.52	6.72

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130417-18977.b\P4000003.D
 Lims ID: CCV AR1660 Client ID:
 Inject. Date: 17-Apr-2013 17:17:03 Dil. Factor: 1.0000
 Sample Type: CCVRT
 Sample ID: 240-0018977-003
 Misc. Info.:
 Operator: Instrument ID: A2HP4
 Injection Vol: 1.0 uL ALS Bottle#: 3
 Lims Batch ID: 82392 Lims Sample ID: 3
 Sublist: chrom-PCB4*sub5
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\Ncchrom\ChromData\A2HP4\20130417-18977.b\PCB4.m
 Last Update: 18-Apr-2013 09:31:23 Calib Date: 15-Apr-2013 10:24:45
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK014

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

\$ 2 Tetrachloro-m-xylene

1	44	1.275	1.275	0.000	37167404	0.0235			
2	2	1.683	1.683	0.000	37332425	0.0237			

RPD = 0.81

6 PCB-1016

1	100	1.545	1.545	0.000	12699843	0.4680		100.0	
1	2	1.828	1.828	0.000	22709997	0.4638	156.0- 206.0	178.8	
1	3	2.219	2.219	0.000	47465059	0.5080	312.4- 362.4	373.7	
1	4	2.340	2.340	0.000	20658539	0.4923	118.7- 188.7	162.7	
1	5	2.718	2.718	0.000	20557682	0.4849	125.6- 175.6	161.9	
Average of Peak Amounts =						0.4834			
2	6	2.145	2.145	0.000	11975642	0.4669		100.0	
2	7	2.541	2.541	0.000	23083113	0.4547	169.6- 229.6	192.8	
2	8	2.992	2.992	0.000	50836259	0.5115	351.4- 411.4	424.5	
2	9	3.130	3.130	0.000	21735612	0.4938	141.3- 201.3	181.5	
2	10	3.234	3.234	0.000	17222286	0.5028	102.5- 162.5	143.8	
Average of Peak Amounts =						0.4859			

RPD = 0.53

Data File: \\Ncchrom\ChromData\A2HP4\20130417-18977.b\P4000003.D

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

10 PCB-1260

1	100	3.915	3.915	0.000	30621246	0.4907		100.0	
1	2	4.201	4.201	0.000	55805256	0.5067	152.2- 202.2	182.2	
1	3	4.482	4.482	0.000	56945837	0.5289	146.4- 196.4	186.0	
1	4	5.181	5.181	0.000	68564048	0.5300	180.7- 230.7	223.9	
1	5	5.465	5.465	0.000	33920404	0.5824	64.1- 114.1	110.8	

Average of Peak Amounts = 0.5277

2	6	4.942	4.942	0.000	34999710	0.5088		100.0	
2	7	5.171	5.171	0.000	42076061	0.5271	87.6- 147.6	120.2	
2	8	5.540	5.540	0.000	63246683	0.5352	144.7- 204.7	180.7	
2	9	6.225	6.225	0.000	79346726	0.5442	187.7- 247.7	226.7	
2	10	6.606	6.606	0.000	54664502	0.5655	115.0- 175.0	156.2	

Average of Peak Amounts = 0.5362

RPD = 1.58

\$ 12 DCB Decachlorobiphenyl

1	100	6.619	6.619	0.000	34944810	0.0262			
2	2	7.840	7.840	0.000	34349600	0.0236			

RPD = 10.41

Report Date: 18-Apr-2013 09:31:23

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130417-18977.b\P4000003.D

Injection Date: 17-Apr-2013 17:17:03

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP4

Lims Batch ID: 82392

Lims Sample ID: 3

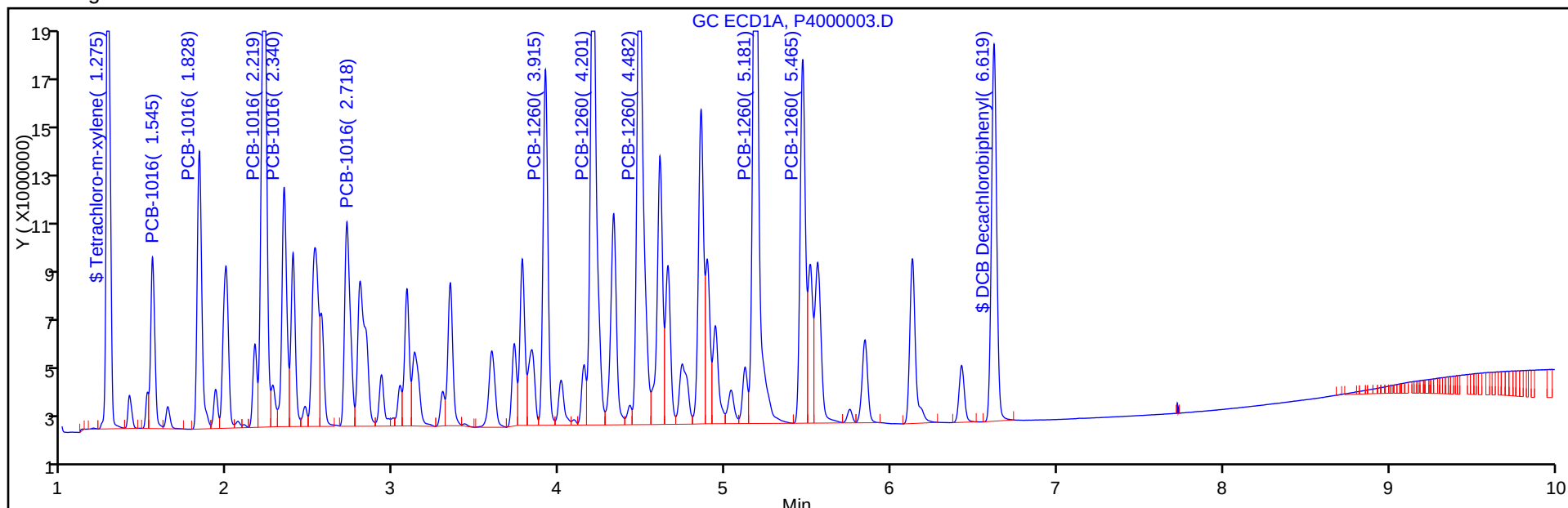
Operator ID:

Injection Vol: 1.0 uL

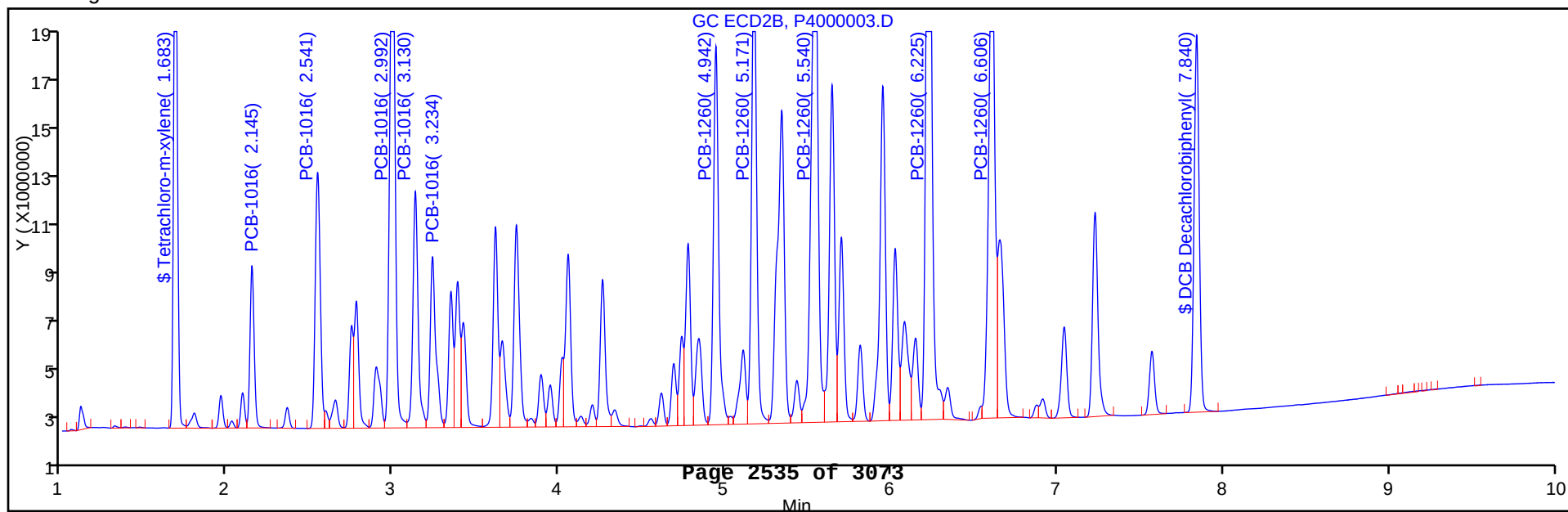
Column Type:

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.: 240-22852-1
 SDG No.: _____
 Lab Sample ID: CCV 240-82392/3 Calibration Date: 04/17/2013 17:17
 Instrument ID: A2HP4 Calib Start Date: 04/15/2013 05:58
 GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 04/15/2013 07:16
 Lab File ID: P4000003.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	25648240	23951284		0.467	0.500	-6.6	20.0
PCB-1016 Peak 2	Ave	50771162	46166226		0.455	0.500	-9.1	20.0
PCB-1016 Peak 3	Ave	99379492	101672518		0.512	0.500	2.3	20.0
PCB-1016 Peak 4	Ave	44018240	43471224		0.494	0.500	-1.2	20.0
PCB-1016 Peak 5	Ave	34251515	34444572		0.503	0.500	0.6	20.0
PCB-1260 Peak 1	Ave	68786213	69999420		0.509	0.500	1.8	20.0
PCB-1260 Peak 2	Ave	79832052	84152122		0.527	0.500	5.4	20.0
PCB-1260 Peak 3	Ave	118169923	126493366		0.535	0.500	7.0	20.0
PCB-1260 Peak 4	Ave	145808797	158693452		0.544	0.500	8.8	20.0
PCB-1260 Peak 5	Ave	96662928	109329004		0.566	0.500	13.1	20.0
Tetrachloro-m-xylene	Ave	1577823383	1493297000		0.0237	0.0250	-5.4	20.0
DCB Decachlorobiphenyl	Ave	1456619055	1373984000		0.0236	0.0250	-5.7	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22852-1
SDG No.: _____
Lab Sample ID: CCV 240-82392/3 Calibration Date: 04/17/2013 17:17
Instrument ID: A2HP4 Calib Start Date: 04/15/2013 05:58
GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 04/15/2013 07:16
Lab File ID: P4000003.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.15	2.05	2.25
PCB-1016 Peak 2	2.54	2.44	2.64
PCB-1016 Peak 3	2.99	2.89	3.09
PCB-1016 Peak 4	3.13	3.03	3.23
PCB-1016 Peak 5	3.23	3.13	3.33
PCB-1260 Peak 1	4.94	4.84	5.04
PCB-1260 Peak 2	5.17	5.07	5.27
PCB-1260 Peak 3	5.54	5.44	5.64
PCB-1260 Peak 4	6.23	6.13	6.33
PCB-1260 Peak 5	6.61	6.51	6.71
Tetrachloro-m-xylene	1.68	1.58	1.78
DCB Decachlorobiphenyl	7.84	7.74	7.94

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130417-18977.b\P4000003.D
 Lims ID: CCV AR1660 Client ID:
 Inject. Date: 17-Apr-2013 17:17:03 Dil. Factor: 1.0000
 Sample Type: CCVRT
 Sample ID: 240-0018977-003
 Misc. Info.:
 Operator: Instrument ID: A2HP4
 Injection Vol: 1.0 uL ALS Bottle#: 3
 Lims Batch ID: 82392 Lims Sample ID: 3
 Sublist: chrom-PCB4*sub5
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\Ncchrom\ChromData\A2HP4\20130417-18977.b\PCB4.m
 Last Update: 18-Apr-2013 09:31:23 Calib Date: 15-Apr-2013 10:24:45
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK014

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

\$ 2 Tetrachloro-m-xylene

1	44	1.275	1.275	0.000	37167404	0.0235			
2	2	1.683	1.683	0.000	37332425	0.0237			

RPD = 0.81

6 PCB-1016

1	100	1.545	1.545	0.000	12699843	0.4680		100.0	
1	2	1.828	1.828	0.000	22709997	0.4638	156.0- 206.0	178.8	
1	3	2.219	2.219	0.000	47465059	0.5080	312.4- 362.4	373.7	
1	4	2.340	2.340	0.000	20658539	0.4923	118.7- 188.7	162.7	
1	5	2.718	2.718	0.000	20557682	0.4849	125.6- 175.6	161.9	
Average of Peak Amounts =						0.4834			
2	6	2.145	2.145	0.000	11975642	0.4669		100.0	
2	7	2.541	2.541	0.000	23083113	0.4547	169.6- 229.6	192.8	
2	8	2.992	2.992	0.000	50836259	0.5115	351.4- 411.4	424.5	
2	9	3.130	3.130	0.000	21735612	0.4938	141.3- 201.3	181.5	
2	10	3.234	3.234	0.000	17222286	0.5028	102.5- 162.5	143.8	
Average of Peak Amounts =						0.4859			

RPD = 0.53

Data File: \\Ncchrom\ChromData\A2HP4\20130417-18977.b\P4000003.D

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

10 PCB-1260

1	100	3.915	3.915	0.000	30621246	0.4907		100.0	
1	2	4.201	4.201	0.000	55805256	0.5067	152.2- 202.2	182.2	
1	3	4.482	4.482	0.000	56945837	0.5289	146.4- 196.4	186.0	
1	4	5.181	5.181	0.000	68564048	0.5300	180.7- 230.7	223.9	
1	5	5.465	5.465	0.000	33920404	0.5824	64.1- 114.1	110.8	

Average of Peak Amounts = 0.5277

2	6	4.942	4.942	0.000	34999710	0.5088		100.0	
2	7	5.171	5.171	0.000	42076061	0.5271	87.6- 147.6	120.2	
2	8	5.540	5.540	0.000	63246683	0.5352	144.7- 204.7	180.7	
2	9	6.225	6.225	0.000	79346726	0.5442	187.7- 247.7	226.7	
2	10	6.606	6.606	0.000	54664502	0.5655	115.0- 175.0	156.2	

Average of Peak Amounts = 0.5362

RPD = 1.58

\$ 12 DCB Decachlorobiphenyl

1	100	6.619	6.619	0.000	34944810	0.0262			
2	2	7.840	7.840	0.000	34349600	0.0236			

RPD = 10.41

Report Date: 18-Apr-2013 09:31:24

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130417-18977.b\P4000003.D

Injection Date: 17-Apr-2013 17:17:03

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP4

Lims Batch ID: 82392

Lims Sample ID: 3

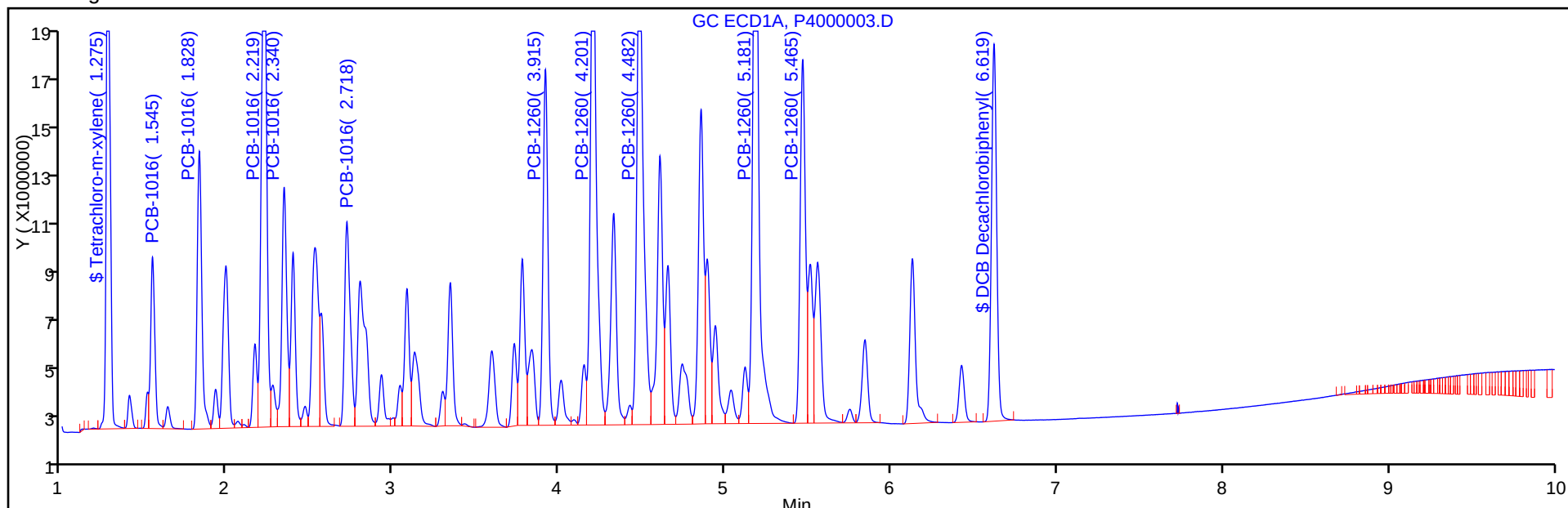
Operator ID:

Injection Vol: 1.0 uL

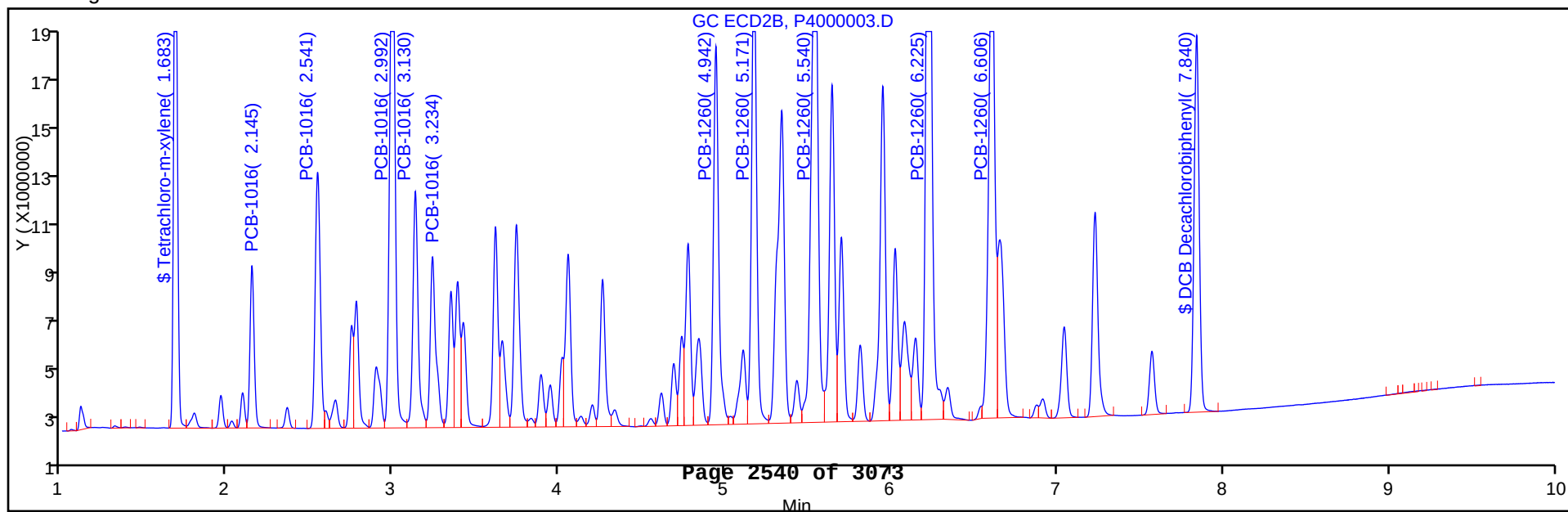
Column Type:

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.: 240-22852-1
 SDG No.: _____
 Lab Sample ID: CCV 240-82392/11 Calibration Date: 04/17/2013 19:21
 Instrument ID: A2HP4 Calib Start Date: 04/15/2013 05:58
 GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 04/15/2013 07:16
 Lab File ID: P4000011.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	27137284	26736780		0.493	0.500	-1.5	20.0
PCB-1016 Peak 2	Ave	48967138	47613472		0.486	0.500	-2.8	20.0
PCB-1016 Peak 3	Ave	93440084	99934634		0.535	0.500	7.0	20.0
PCB-1016 Peak 4	Ave	41962283	43102054		0.514	0.500	2.7	20.0
PCB-1016 Peak 5	Ave	42399034	42960430		0.507	0.500	1.3	20.0
PCB-1260 Peak 1	Ave	62400345	63875458		0.512	0.500	2.4	20.0
PCB-1260 Peak 2	Ave	110128120	116420986		0.529	0.500	5.7	20.0
PCB-1260 Peak 3	Ave	107668512	119037666		0.553	0.500	10.6	20.0
PCB-1260 Peak 4	Ave	129376197	142869760		0.552	0.500	10.4	20.0
PCB-1260 Peak 5	Ave	58244642	70889652		0.609	0.500	21.7*	20.0
Tetrachloro-m-xylene	Ave	1583607317	1556872240		0.0246	0.0250	-1.7	20.0
DCB Decachlorobiphenyl	Ave	1335217125	1446091480		0.0271	0.0250	8.3	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22852-1
SDG No.: _____
Lab Sample ID: CCV 240-82392/11 Calibration Date: 04/17/2013 19:21
Instrument ID: A2HP4 Calib Start Date: 04/15/2013 05:58
GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 04/15/2013 07:16
Lab File ID: P4000011.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	1.55	1.45	1.65
PCB-1016 Peak 2	1.83	1.73	1.93
PCB-1016 Peak 3	2.22	2.12	2.32
PCB-1016 Peak 4	2.34	2.24	2.44
PCB-1016 Peak 5	2.72	2.62	2.82
PCB-1260 Peak 1	3.92	3.82	4.02
PCB-1260 Peak 2	4.20	4.10	4.30
PCB-1260 Peak 3	4.48	4.38	4.58
PCB-1260 Peak 4	5.18	5.08	5.28
PCB-1260 Peak 5	5.47	5.37	5.57
Tetrachloro-m-xylene	1.28	1.18	1.38
DCB Decachlorobiphenyl	6.62	6.52	6.72

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130417-18977.b\P4000011.D
 Lims ID: CCV AR1660 Client ID:
 Inject. Date: 17-Apr-2013 19:21:59 Dil. Factor: 1.0000
 Sample Type: CCV
 Sample ID: 240-0018977-011
 Misc. Info.:
 Operator: Instrument ID: A2HP4
 Injection Vol: 1.0 uL ALS Bottle#: 11
 Lims Batch ID: 82392 Lims Sample ID: 11
 Sublist: chrom-PCB4*sub5
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\Ncchrom\ChromData\A2HP4\20130417-18977.b\PCB4.m
 Last Update: 18-Apr-2013 09:31:35 Calib Date: 15-Apr-2013 10:24:45
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK014

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

\$ 2 Tetrachloro-m-xylene

1	44	1.277	1.277	0.000	38921806	0.0246			
2	2	1.684	1.684	0.000	38221538	0.0242			

RPD = 1.45

6 PCB-1016

1	100	1.547	1.547	0.000	13368390	0.4926		100.0	
1	2	1.829	1.829	0.000	23806736	0.4862	156.0- 206.0	178.1	
1	3	2.220	2.220	0.000	49967317	0.5348	312.4- 362.4	373.8	
1	4	2.341	2.341	0.000	21551027	0.5136	118.7- 188.7	161.2	
1	5	2.718	2.718	0.000	21480215	0.5066	125.6- 175.6	160.7	
Average of Peak Amounts =						0.5068			
2	6	2.147	2.147	0.000	12168407	0.4744		100.0	
2	7	2.542	2.542	0.000	24547378	0.4835	169.6- 229.6	201.7	
2	8	2.994	2.994	0.000	52106396	0.5243	351.4- 411.4	428.2	
2	9	3.132	3.132	0.000	22160866	0.5034	141.3- 201.3	182.1	
2	10	3.235	3.235	0.000	17511698	0.5113	102.5- 162.5	143.9	
Average of Peak Amounts =						0.4994			

RPD = 1.46

Data File: \\Ncchrom\ChromData\A2HP4\20130417-18977.b\P4000011.D

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

10 PCB-1260

1	100	3.915	3.915	0.000	31937729	0.5118		100.0	
1	2	4.201	4.201	0.000	58210493	0.5286	152.2- 202.2	182.3	
1	3	4.480	4.480	0.000	59518833	0.5528	146.4- 196.4	186.4	
1	4	5.182	5.182	0.000	71434880	0.5521	180.7- 230.7	223.7	
1	5	5.465	5.465	0.000	35444826	0.6086	64.1- 114.1	111.0	

Average of Peak Amounts = 0.5508

2	6	4.943	4.943	0.000	35838910	0.5210		100.0	
2	7	5.173	5.173	0.000	42900433	0.5374	87.6- 147.6	119.7	
2	8	5.542	5.542	0.000	64812126	0.5485	144.7- 204.7	180.8	
2	9	6.226	6.226	0.000	80406786	0.5515	187.7- 247.7	224.4	
2	10	6.607	6.607	0.000	56024305	0.5796	115.0- 175.0	156.3	

Average of Peak Amounts = 0.5476

RPD = 0.58

\$ 12 DCB Decachlorobiphenyl

1	100	6.619	6.619	0.000	36152287	0.0271			
2	2	7.842	7.842	0.000	36462014	0.0250			

RPD = 7.85

Report Date: 18-Apr-2013 09:31:36

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130417-18977.b\P4000011.D

Injection Date: 17-Apr-2013 19:21:59

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP4

Lims Batch ID: 82392

Lims Sample ID: 11

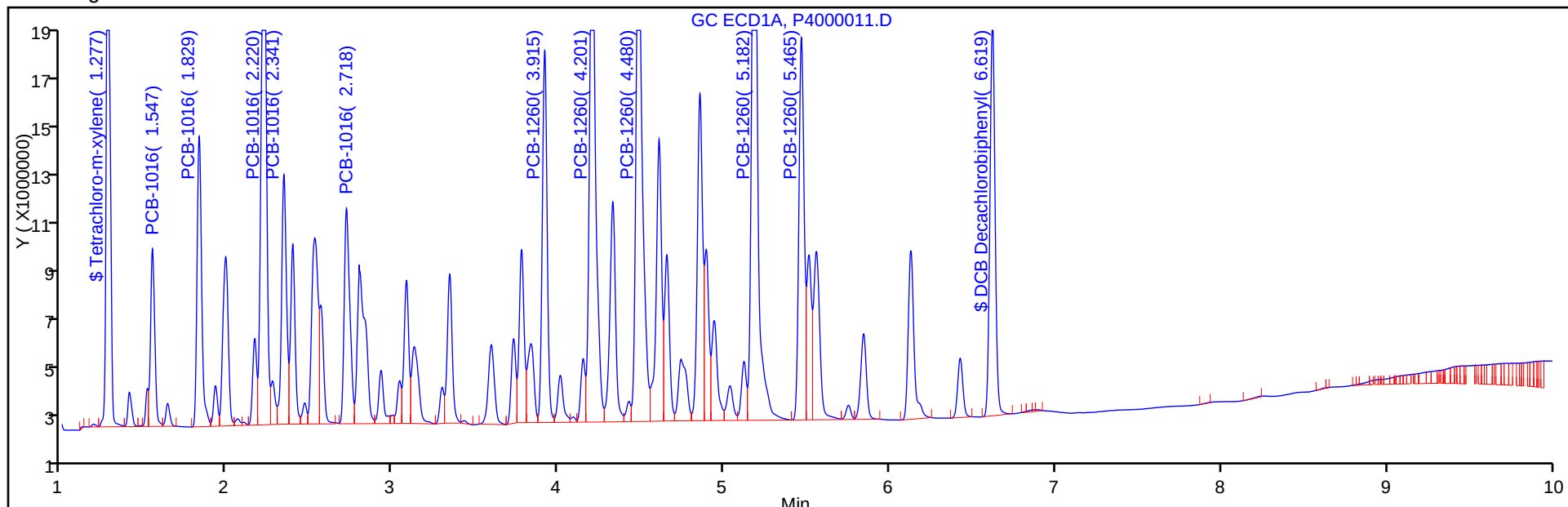
Operator ID:

Injection Vol: 1.0 uL

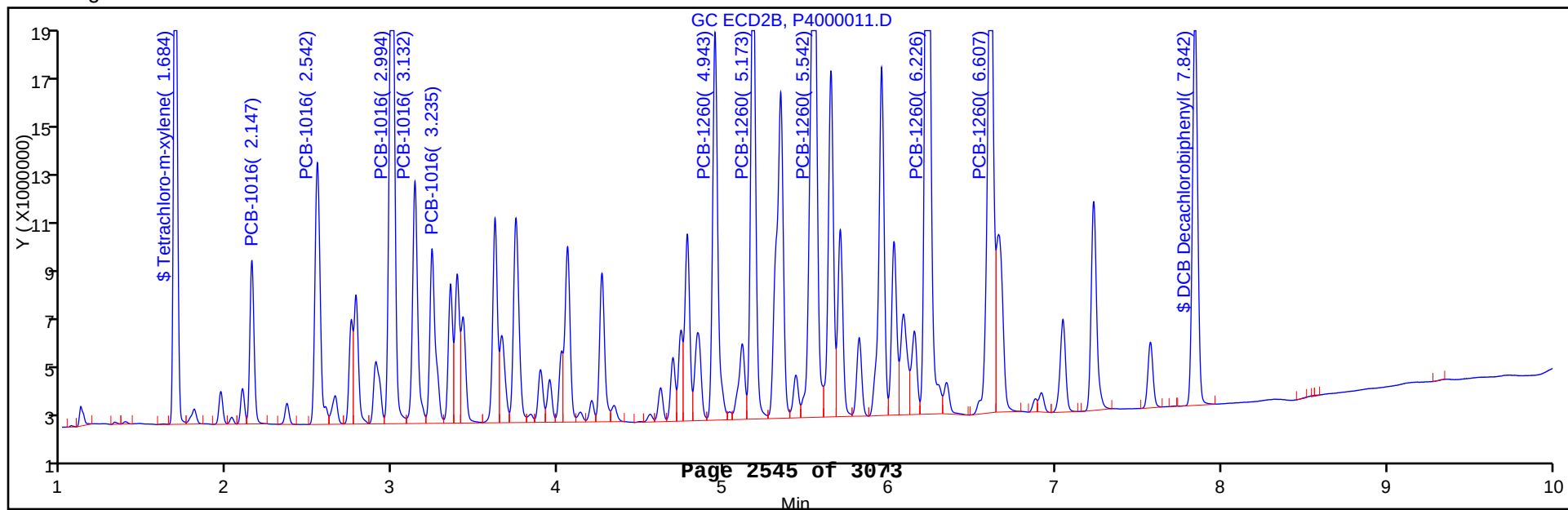
Column Type:

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.: 240-22852-1
 SDG No.: _____
 Lab Sample ID: CCV 240-82392/11 Calibration Date: 04/17/2013 19:21
 Instrument ID: A2HP4 Calib Start Date: 04/15/2013 05:58
 GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 04/15/2013 07:16
 Lab File ID: P4000011.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	25648240	24336814		0.474	0.500	-5.1	20.0
PCB-1016 Peak 2	Ave	50771162	49094756		0.483	0.500	-3.3	20.0
PCB-1016 Peak 3	Ave	99379492	104212792		0.524	0.500	4.9	20.0
PCB-1016 Peak 4	Ave	44018240	44321732		0.503	0.500	0.7	20.0
PCB-1016 Peak 5	Ave	34251515	35023396		0.511	0.500	2.3	20.0
PCB-1260 Peak 1	Ave	68786213	71677820		0.521	0.500	4.2	20.0
PCB-1260 Peak 2	Ave	79832052	85800866		0.537	0.500	7.5	20.0
PCB-1260 Peak 3	Ave	118169923	129624252		0.548	0.500	9.7	20.0
PCB-1260 Peak 4	Ave	145808797	160813572		0.551	0.500	10.3	20.0
PCB-1260 Peak 5	Ave	96662928	112048610		0.580	0.500	15.9	20.0
Tetrachloro-m-xylene	Ave	1577823383	1528861520		0.0242	0.0250	-3.1	20.0
DCB Decachlorobiphenyl	Ave	1456619055	1458480560		0.0250	0.0250	0.1	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22852-1
SDG No.: _____
Lab Sample ID: CCV 240-82392/11 Calibration Date: 04/17/2013 19:21
Instrument ID: A2HP4 Calib Start Date: 04/15/2013 05:58
GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 04/15/2013 07:16
Lab File ID: P4000011.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.15	2.05	2.25
PCB-1016 Peak 2	2.54	2.44	2.64
PCB-1016 Peak 3	2.99	2.89	3.09
PCB-1016 Peak 4	3.13	3.03	3.23
PCB-1016 Peak 5	3.24	3.14	3.34
PCB-1260 Peak 1	4.94	4.84	5.04
PCB-1260 Peak 2	5.17	5.07	5.27
PCB-1260 Peak 3	5.54	5.44	5.64
PCB-1260 Peak 4	6.23	6.13	6.33
PCB-1260 Peak 5	6.61	6.51	6.71
Tetrachloro-m-xylene	1.68	1.58	1.78
DCB Decachlorobiphenyl	7.84	7.74	7.94

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130417-18977.b\P4000011.D
 Lims ID: CCV AR1660 Client ID:
 Inject. Date: 17-Apr-2013 19:21:59 Dil. Factor: 1.0000
 Sample Type: CCV
 Sample ID: 240-0018977-011
 Misc. Info.:
 Operator: Instrument ID: A2HP4
 Injection Vol: 1.0 uL ALS Bottle#: 11
 Lims Batch ID: 82392 Lims Sample ID: 11
 Sublist: chrom-PCB4*sub5
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\Ncchrom\ChromData\A2HP4\20130417-18977.b\PCB4.m
 Last Update: 18-Apr-2013 09:31:35 Calib Date: 15-Apr-2013 10:24:45
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK014

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

\$ 2 Tetrachloro-m-xylene

1	44	1.277	1.277	0.000	38921806	0.0246			
2	2	1.684	1.684	0.000	38221538	0.0242			

RPD = 1.45

6 PCB-1016

1	100	1.547	1.547	0.000	13368390	0.4926		100.0	
1	2	1.829	1.829	0.000	23806736	0.4862	156.0- 206.0	178.1	
1	3	2.220	2.220	0.000	49967317	0.5348	312.4- 362.4	373.8	
1	4	2.341	2.341	0.000	21551027	0.5136	118.7- 188.7	161.2	
1	5	2.718	2.718	0.000	21480215	0.5066	125.6- 175.6	160.7	
Average of Peak Amounts =						0.5068			
2	6	2.147	2.147	0.000	12168407	0.4744		100.0	
2	7	2.542	2.542	0.000	24547378	0.4835	169.6- 229.6	201.7	
2	8	2.994	2.994	0.000	52106396	0.5243	351.4- 411.4	428.2	
2	9	3.132	3.132	0.000	22160866	0.5034	141.3- 201.3	182.1	
2	10	3.235	3.235	0.000	17511698	0.5113	102.5- 162.5	143.9	
Average of Peak Amounts =						0.4994			

RPD = 1.46

Data File: \\Ncchrom\ChromData\A2HP4\20130417-18977.b\P4000011.D

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

10 PCB-1260

1	100	3.915	3.915	0.000	31937729	0.5118		100.0	
1	2	4.201	4.201	0.000	58210493	0.5286	152.2- 202.2	182.3	
1	3	4.480	4.480	0.000	59518833	0.5528	146.4- 196.4	186.4	
1	4	5.182	5.182	0.000	71434880	0.5521	180.7- 230.7	223.7	
1	5	5.465	5.465	0.000	35444826	0.6086	64.1- 114.1	111.0	

Average of Peak Amounts = 0.5508

2	6	4.943	4.943	0.000	35838910	0.5210		100.0	
2	7	5.173	5.173	0.000	42900433	0.5374	87.6- 147.6	119.7	
2	8	5.542	5.542	0.000	64812126	0.5485	144.7- 204.7	180.8	
2	9	6.226	6.226	0.000	80406786	0.5515	187.7- 247.7	224.4	
2	10	6.607	6.607	0.000	56024305	0.5796	115.0- 175.0	156.3	

Average of Peak Amounts = 0.5476

RPD = 0.58

\$ 12 DCB Decachlorobiphenyl

1	100	6.619	6.619	0.000	36152287	0.0271			
2	2	7.842	7.842	0.000	36462014	0.0250			

RPD = 7.85

Report Date: 18-Apr-2013 09:31:36

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130417-18977.b\P4000011.D

Injection Date: 17-Apr-2013 19:21:59

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP4

Lims Batch ID: 82392

Lims Sample ID: 11

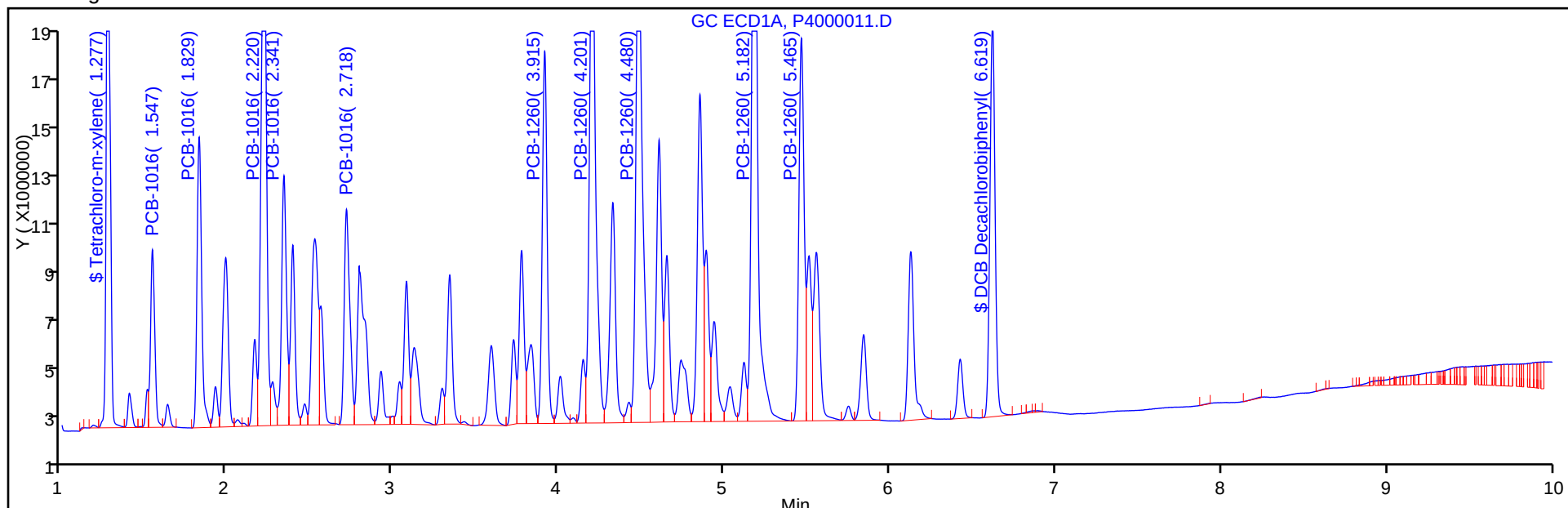
Operator ID:

Injection Vol: 1.0 uL

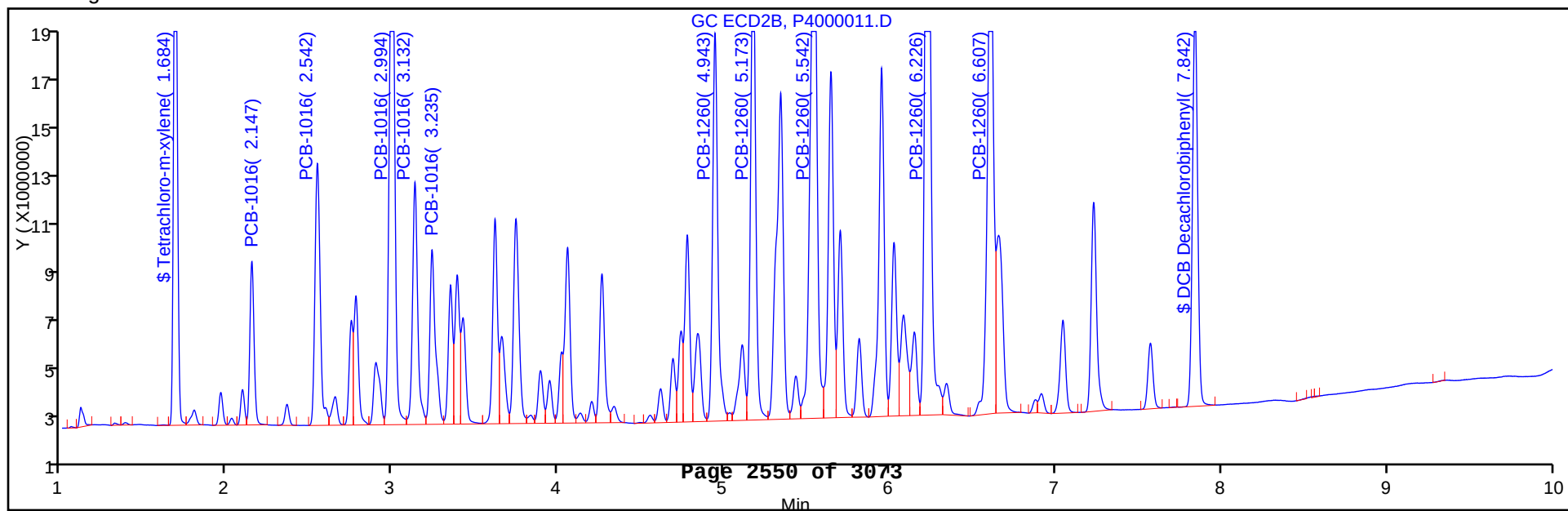
Column Type:

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.: 240-22852-1

SDG No.: _____

Lab Sample ID: CCV 240-82363/3 Calibration Date: 04/18/2013 09:37

Instrument ID: A2HP4 Calib Start Date: 04/15/2013 05:58

GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 04/15/2013 07:16

Lab File ID: P4000003.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	27137284	24352736		0.449	0.500	-10.3	20.0
PCB-1016 Peak 2	Ave	48967138	41162660		0.420	0.500	-15.9	20.0
PCB-1016 Peak 3	Ave	93440084	81178842		0.434	0.500	-13.1	20.0
PCB-1016 Peak 4	Ave	41962283	32597866		0.388	0.500	-22.3*	20.0
PCB-1016 Peak 5	Ave	42399034	36388474		0.429	0.500	-14.2	20.0
PCB-1260 Peak 1	Ave	62400345	56292882		0.451	0.500	-9.8	20.0
PCB-1260 Peak 2	Ave	110128120	103463764		0.470	0.500	-6.1	20.0
PCB-1260 Peak 3	Ave	107668512	104047250		0.483	0.500	-3.4	20.0
PCB-1260 Peak 4	Ave	129376197	128852720		0.498	0.500	-0.4	20.0
PCB-1260 Peak 5	Ave	58244642	60156072		0.516	0.500	3.3	20.0
Tetrachloro-m-xylene	Ave	1583607317	1443434520		0.0228	0.0250	-8.9	20.0
DCB Decachlorobiphenyl	Ave	1335217125	1370135280		0.0257	0.0250	2.6	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22852-1
SDG No.: _____
Lab Sample ID: CCV 240-82363/3 Calibration Date: 04/18/2013 09:37
Instrument ID: A2HP4 Calib Start Date: 04/15/2013 05:58
GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 04/15/2013 07:16
Lab File ID: P4000003.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	1.55	1.45	1.65
PCB-1016 Peak 2	1.83	1.73	1.93
PCB-1016 Peak 3	2.22	2.12	2.32
PCB-1016 Peak 4	2.34	2.24	2.44
PCB-1016 Peak 5	2.72	2.62	2.82
PCB-1260 Peak 1	3.92	3.82	4.02
PCB-1260 Peak 2	4.20	4.10	4.30
PCB-1260 Peak 3	4.48	4.38	4.58
PCB-1260 Peak 4	5.18	5.08	5.28
PCB-1260 Peak 5	5.47	5.37	5.57
Tetrachloro-m-xylene	1.28	1.18	1.38
DCB Decachlorobiphenyl	6.62	6.52	6.72

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130417-18971.b\P4000003.D
 Lims ID: CCV AR1660 Client ID:
 Inject. Date: 18-Apr-2013 09:37:23 Dil. Factor: 1.0000
 Sample Type: CCVRT
 Sample ID: 240-0018971-003
 Misc. Info.:
 Operator: Instrument ID: A2HP4
 Injection Vol: 1.0 uL ALS Bottle#: 3
 Lims Batch ID: 82363 Lims Sample ID: 3
 Sublist: chrom-PCB4*sub5
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\Ncchrom\ChromData\A2HP4\20130417-18971.b\PCB4.m
 Last Update: 19-Apr-2013 14:47:59 Calib Date: 15-Apr-2013 10:24:45
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK027

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

\$ 2 Tetrachloro-m-xylene

1	44	1.276	1.276	0.000	36085863	0.0228			
2	2	1.682	1.682	0.000	34192106	0.0217			

RPD = 5.02

6 PCB-1016

1	100	1.545	1.545	0.000	12176368	0.4487		100.0	
1	2	1.827	1.827	0.000	20581330	0.4203	156.0- 206.0	169.0	
1	3	2.221	2.221	0.000	40589421	0.4344	312.4- 362.4	333.3	
1	4	2.340	2.340	0.000	16298933	0.3884	118.7- 188.7	133.9	
1	5	2.717	2.717	0.000	18194237	0.4291	125.6- 175.6	149.4	
Average of Peak Amounts =						0.4242			
2	6	2.145	2.145	0.000	10765563	0.4197		100.0	
2	7	2.541	2.541	0.000	21797841	0.4293	169.6- 229.6	202.5	
2	8	2.992	2.992	0.000	45365829	0.4565	351.4- 411.4	421.4	
2	9	3.131	3.131	0.000	19396844	0.4407	141.3- 201.3	180.2	
2	10	3.234	3.234	0.000	15143219	0.4421	102.5- 162.5	140.7	
Average of Peak Amounts =						0.4377			

RPD = 3.13

Data File: \\Ncchrom\ChromData\A2HP4\20130417-18971.b\P4000003.D

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

10 PCB-1260

1	100	3.916	3.916	0.000	28146441	0.4511		100.0	
1	2	4.201	4.201	0.000	51731882	0.4697	152.2- 202.2	183.8	
1	3	4.482	4.482	0.000	52023625	0.4832	146.4- 196.4	184.8	
1	4	5.182	5.182	0.000	64426360	0.4980	180.7- 230.7	228.9	
1	5	5.467	5.467	0.000	30078036	0.5164	64.1- 114.1	106.9	

Average of Peak Amounts = 0.4837

2	6	4.943	4.943	0.000	31038910	0.4512		100.0	
2	7	5.173	5.173	0.000	37001630	0.4635	87.6- 147.6	119.2	
2	8	5.542	5.542	0.000	55697747	0.4713	144.7- 204.7	179.4	
2	9	6.226	6.226	0.000	71289059	0.4889	187.7- 247.7	229.7	
2	10	6.607	6.607	0.000	48077428	0.4974	115.0- 175.0	154.9	

Average of Peak Amounts = 0.4745

RPD = 1.92

\$ 12 DCB Decachlorobiphenyl

1	100	6.620	6.620	0.000	34253382	0.0257			
2	2	7.841	7.841	0.000	34939206	0.0240			

RPD = 6.72

Report Date: 19-Apr-2013 14:47:59

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130417-18971.b\P4000003.D

Injection Date: 18-Apr-2013 09:37:23

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP4

Lims Batch ID: 82363

Lims Sample ID: 3

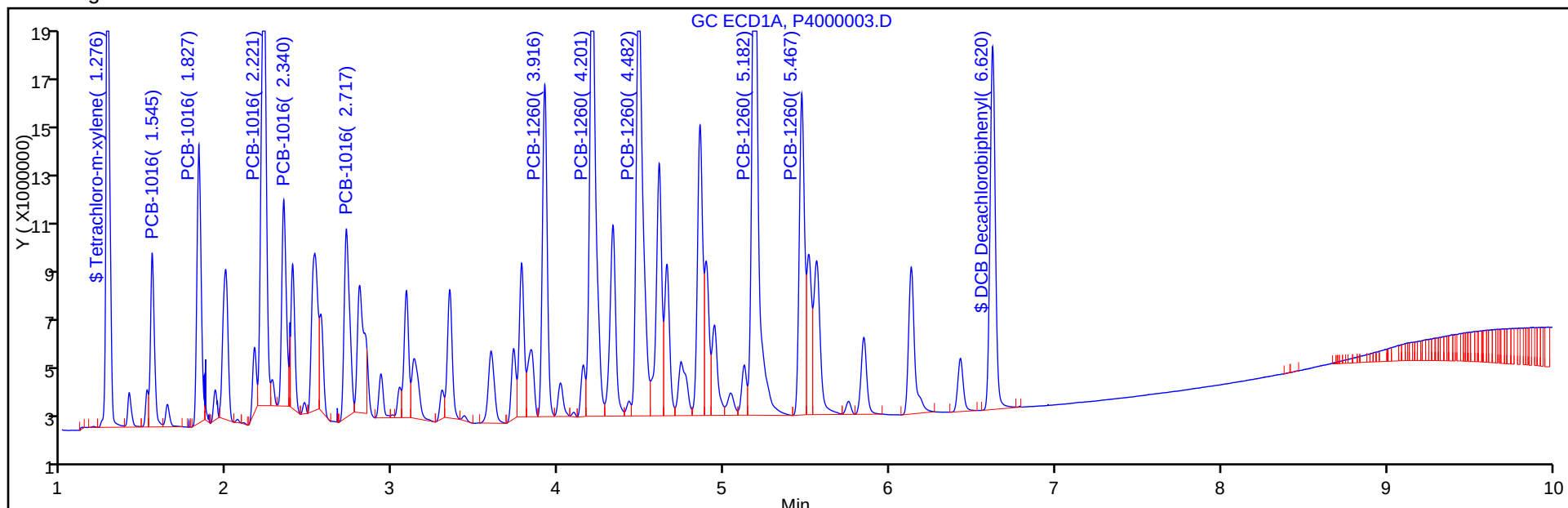
Operator ID:

Injection Vol: 1.0 uL

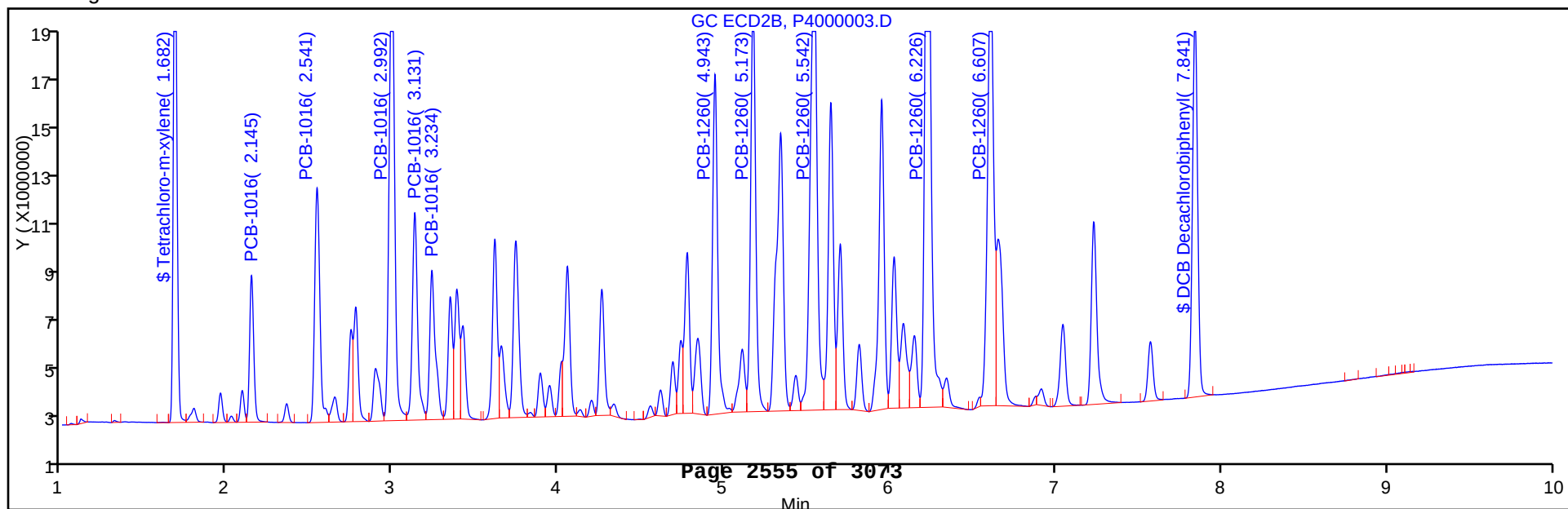
Column Type:

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.: 240-22852-1
 SDG No.: _____
 Lab Sample ID: CCV 240-82363/3 Calibration Date: 04/18/2013 09:37
 Instrument ID: A2HP4 Calib Start Date: 04/15/2013 05:58
 GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 04/15/2013 07:16
 Lab File ID: P4000003.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	25648240	21531126		0.420	0.500	-16.1	20.0
PCB-1016 Peak 2	Ave	50771162	43595682		0.429	0.500	-14.1	20.0
PCB-1016 Peak 3	Ave	99379492	90731658		0.456	0.500	-8.7	20.0
PCB-1016 Peak 4	Ave	44018240	38793688		0.441	0.500	-11.9	20.0
PCB-1016 Peak 5	Ave	34251515	30286438		0.442	0.500	-11.6	20.0
PCB-1260 Peak 1	Ave	68786213	62077820		0.451	0.500	-9.8	20.0
PCB-1260 Peak 2	Ave	79832052	74003260		0.463	0.500	-7.3	20.0
PCB-1260 Peak 3	Ave	118169923	111395494		0.471	0.500	-5.7	20.0
PCB-1260 Peak 4	Ave	145808797	142578118		0.489	0.500	-2.2	20.0
PCB-1260 Peak 5	Ave	96662928	96154856		0.497	0.500	-0.5	20.0
Tetrachloro-m-xylene	Ave	1577823383	1367684240		0.0217	0.0250	-13.3	20.0
DCB Decachlorobiphenyl	Ave	1456619055	1397568240		0.0240	0.0250	-4.1	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22852-1
SDG No.: _____
Lab Sample ID: CCV 240-82363/3 Calibration Date: 04/18/2013 09:37
Instrument ID: A2HP4 Calib Start Date: 04/15/2013 05:58
GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 04/15/2013 07:16
Lab File ID: P4000003.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.15	2.05	2.25
PCB-1016 Peak 2	2.54	2.44	2.64
PCB-1016 Peak 3	2.99	2.89	3.09
PCB-1016 Peak 4	3.13	3.03	3.23
PCB-1016 Peak 5	3.23	3.13	3.33
PCB-1260 Peak 1	4.94	4.84	5.04
PCB-1260 Peak 2	5.17	5.07	5.27
PCB-1260 Peak 3	5.54	5.44	5.64
PCB-1260 Peak 4	6.23	6.13	6.33
PCB-1260 Peak 5	6.61	6.51	6.71
Tetrachloro-m-xylene	1.68	1.58	1.78
DCB Decachlorobiphenyl	7.84	7.74	7.94

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130417-18971.b\P4000003.D
 Lims ID: CCV AR1660 Client ID:
 Inject. Date: 18-Apr-2013 09:37:23 Dil. Factor: 1.0000
 Sample Type: CCVRT
 Sample ID: 240-0018971-003
 Misc. Info.:
 Operator: Instrument ID: A2HP4
 Injection Vol: 1.0 uL ALS Bottle#: 3
 Lims Batch ID: 82363 Lims Sample ID: 3
 Sublist: chrom-PCB4*sub5
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\Ncchrom\ChromData\A2HP4\20130417-18971.b\PCB4.m
 Last Update: 19-Apr-2013 14:47:59 Calib Date: 15-Apr-2013 10:24:45
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK027

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

\$ 2 Tetrachloro-m-xylene

1	44	1.276	1.276	0.000	36085863	0.0228			
2	2	1.682	1.682	0.000	34192106	0.0217			

RPD = 5.02

6 PCB-1016

1	100	1.545	1.545	0.000	12176368	0.4487		100.0	
1	2	1.827	1.827	0.000	20581330	0.4203	156.0- 206.0	169.0	
1	3	2.221	2.221	0.000	40589421	0.4344	312.4- 362.4	333.3	
1	4	2.340	2.340	0.000	16298933	0.3884	118.7- 188.7	133.9	
1	5	2.717	2.717	0.000	18194237	0.4291	125.6- 175.6	149.4	
		Average of Peak Amounts =				0.4242			
2	6	2.145	2.145	0.000	10765563	0.4197		100.0	
2	7	2.541	2.541	0.000	21797841	0.4293	169.6- 229.6	202.5	
2	8	2.992	2.992	0.000	45365829	0.4565	351.4- 411.4	421.4	
2	9	3.131	3.131	0.000	19396844	0.4407	141.3- 201.3	180.2	
2	10	3.234	3.234	0.000	15143219	0.4421	102.5- 162.5	140.7	
		Average of Peak Amounts =				0.4377			

RPD = 3.13

Data File: \\Ncchrom\ChromData\A2HP4\20130417-18971.b\P4000003.D

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

10 PCB-1260

1	100	3.916	3.916	0.000	28146441	0.4511		100.0	
1	2	4.201	4.201	0.000	51731882	0.4697	152.2- 202.2	183.8	
1	3	4.482	4.482	0.000	52023625	0.4832	146.4- 196.4	184.8	
1	4	5.182	5.182	0.000	64426360	0.4980	180.7- 230.7	228.9	
1	5	5.467	5.467	0.000	30078036	0.5164	64.1- 114.1	106.9	

Average of Peak Amounts = 0.4837

2	6	4.943	4.943	0.000	31038910	0.4512		100.0	
2	7	5.173	5.173	0.000	37001630	0.4635	87.6- 147.6	119.2	
2	8	5.542	5.542	0.000	55697747	0.4713	144.7- 204.7	179.4	
2	9	6.226	6.226	0.000	71289059	0.4889	187.7- 247.7	229.7	
2	10	6.607	6.607	0.000	48077428	0.4974	115.0- 175.0	154.9	

Average of Peak Amounts = 0.4745

RPD = 1.92

\$ 12 DCB Decachlorobiphenyl

1	100	6.620	6.620	0.000	34253382	0.0257			
2	2	7.841	7.841	0.000	34939206	0.0240			

RPD = 6.72

Report Date: 19-Apr-2013 14:48:00

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130417-18971.b\P4000003.D

Injection Date: 18-Apr-2013 09:37:23

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP4

Lims Batch ID: 82363

Lims Sample ID: 3

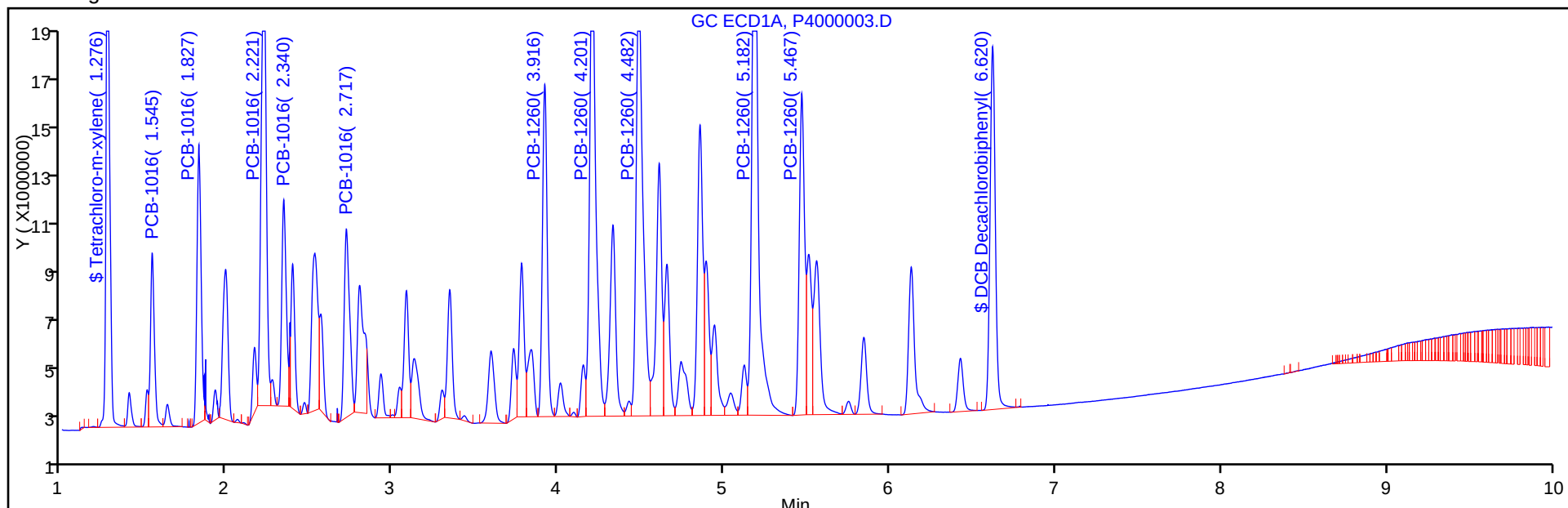
Operator ID:

Injection Vol: 1.0 uL

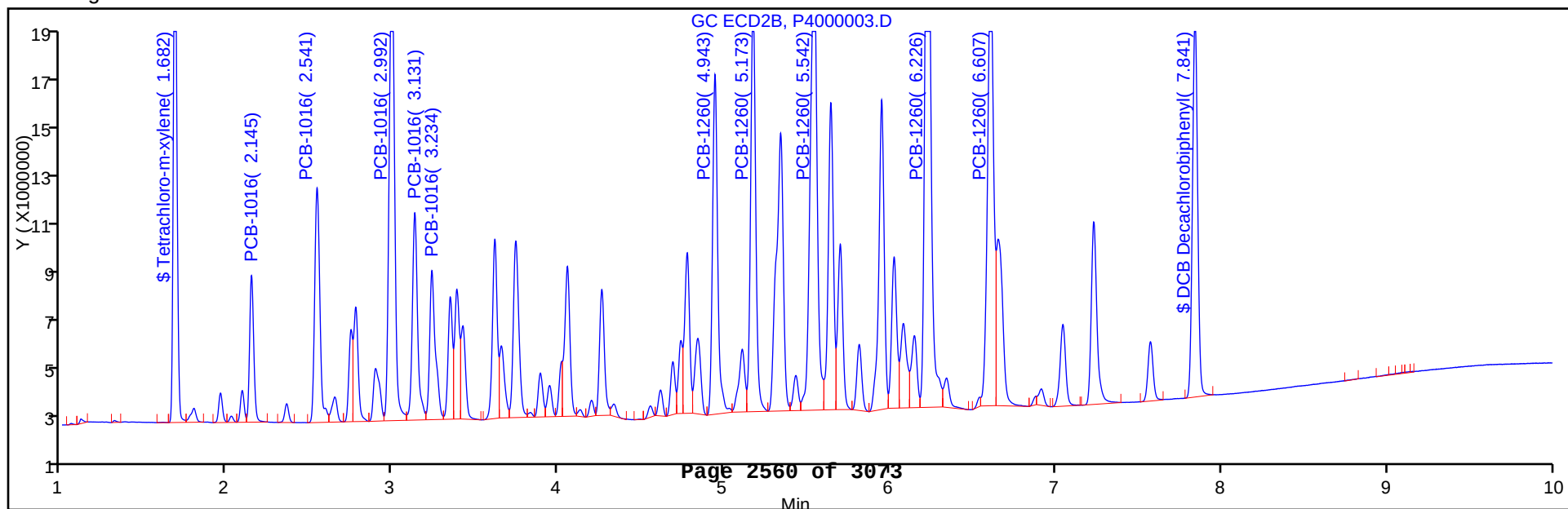
Column Type:

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.: 240-22852-1
 SDG No.: _____
 Lab Sample ID: CCV 240-82363/14 Calibration Date: 04/18/2013 12:29
 Instrument ID: A2HP4 Calib Start Date: 04/15/2013 05:58
 GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 04/15/2013 07:16
 Lab File ID: P4000014.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	27137284	25776942		0.475	0.500	-5.0	20.0
PCB-1016 Peak 2	Ave	48967138	47662788		0.487	0.500	-2.7	20.0
PCB-1016 Peak 3	Ave	93440084	98766718		0.529	0.500	5.7	20.0
PCB-1016 Peak 4	Ave	41962283	43335746		0.516	0.500	3.3	20.0
PCB-1016 Peak 5	Ave	42399034	38192718		0.450	0.500	-9.9	20.0
PCB-1260 Peak 1	Ave	62400345	59867030		0.480	0.500	-4.1	20.0
PCB-1260 Peak 2	Ave	110128120	97492010		0.443	0.500	-11.5	20.0
PCB-1260 Peak 3	Ave	107668512	100106280		0.465	0.500	-7.0	20.0
PCB-1260 Peak 4	Ave	129376197	96974410		0.375	0.500	-25.0*	20.0
PCB-1260 Peak 5	Ave	58244642	40571152		0.348	0.500	-30.3*	20.0
Tetrachloro-m-xylene	Ave	1583607317	1579795720		0.0249	0.0250	-0.2	20.0
DCB Decachlorobiphenyl	Ave	1335217125	2904854920		0.0544	0.0250	117.6*	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22852-1
SDG No.: _____
Lab Sample ID: CCV 240-82363/14 Calibration Date: 04/18/2013 12:29
Instrument ID: A2HP4 Calib Start Date: 04/15/2013 05:58
GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 04/15/2013 07:16
Lab File ID: P4000014.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	1.55	1.45	1.65
PCB-1016 Peak 2	1.83	1.73	1.93
PCB-1016 Peak 3	2.22	2.12	2.32
PCB-1016 Peak 4	2.34	2.24	2.44
PCB-1016 Peak 5	2.72	2.62	2.82
PCB-1260 Peak 1	3.92	3.82	4.02
PCB-1260 Peak 2	4.20	4.10	4.30
PCB-1260 Peak 3	4.48	4.38	4.58
PCB-1260 Peak 4	5.18	5.08	5.28
PCB-1260 Peak 5	5.47	5.37	5.57
Tetrachloro-m-xylene	1.28	1.18	1.38
DCB Decachlorobiphenyl	6.62	6.52	6.72

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130417-18971.b\P4000014.D
 Lims ID: CCV AR1660 Client ID:
 Inject. Date: 18-Apr-2013 12:29:13 Dil. Factor: 1.0000
 Sample Type: CCV
 Sample ID: 240-0018971-014
 Misc. Info.:
 Operator: Instrument ID: A2HP4
 Injection Vol: 1.0 uL ALS Bottle#: 14
 Lims Batch ID: 82363 Lims Sample ID: 14
 Sublist: chrom-PCB4*sub5
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\Ncchrom\ChromData\A2HP4\20130417-18971.b\PCB4.m
 Last Update: 19-Apr-2013 14:47:51 Calib Date: 15-Apr-2013 10:24:45
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK027

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

\$ 2 Tetrachloro-m-xylene

1	44	1.275	1.275	0.000	39494893	0.0249			
2	2	1.683	1.683	0.000	37670245	0.0239			

RPD = 4.36

6 PCB-1016

1	100	1.545	1.545	0.000	12888471	0.4749		100.0	
1	2	1.827	1.827	0.000	23831394	0.4867	156.0- 206.0	184.9	
1	3	2.219	2.219	0.000	49383359	0.5285	312.4- 362.4	383.2	
1	4	2.339	2.339	0.000	21667873	0.5164	118.7- 188.7	168.1	
1	5	2.717	2.717	0.000	19096359	0.4504	125.6- 175.6	148.2	
Average of Peak Amounts =						0.4914			
2	6	2.145	2.145	0.000	11936954	0.4654		100.0	
2	7	2.541	2.541	0.000	22970109	0.4524	169.6- 229.6	192.4	
2	8	2.993	2.993	0.000	50680283	0.5100	351.4- 411.4	424.6	
2	9	3.131	3.131	0.000	21587655	0.4904	141.3- 201.3	180.8	
2	10	3.235	3.235	0.000	17024455	0.4970	102.5- 162.5	142.6	
Average of Peak Amounts =						0.4831			

RPD = 1.71

Data File: \\Ncchrom\ChromData\A2HP4\20130417-18971.b\P4000014.D

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

10 PCB-1260

1	100	3.916	3.916	0.000	29933515	0.4797		100.0	
1	2	4.203	4.203	0.000	48746005	0.4426	152.2- 202.2	162.8	
1	3	4.483	4.483	0.000	50053140	0.4649	146.4- 196.4	167.2	
1	4	5.184	5.184	0.000	48487205	0.3748	180.7- 230.7	162.0	
1	5	5.467	5.467	0.000	20285576	0.3483	64.1- 114.1	67.8	

Average of Peak Amounts = 0.4221

2	6	4.944	4.944	0.000	33115089	0.4814		100.0	
2	7	5.175	5.175	0.000	36912056	0.4624	87.6- 147.6	111.5	
2	8	5.543	5.543	0.000	59160233	0.5006	144.7- 204.7	178.7	
2	9	6.228	6.228	0.000	74956778	0.5141	187.7- 247.7	226.4	
2	10	6.609	6.609	0.000	50976055	0.5274	115.0- 175.0	153.9	

Average of Peak Amounts = 0.4972

RPD = 16.34

\$ 12 DCB Decachlorobiphenyl

1	100	6.619	6.619	0.000	72621373	0.0544			
2	2	7.843	7.843	0.000	35044268	0.0241			

RPD = 77.33

Report Date: 19-Apr-2013 14:47:51

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130417-18971.b\P4000014.D

Injection Date: 18-Apr-2013 12:29:13

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP4

Lims Batch ID: 82363

Lims Sample ID: 14

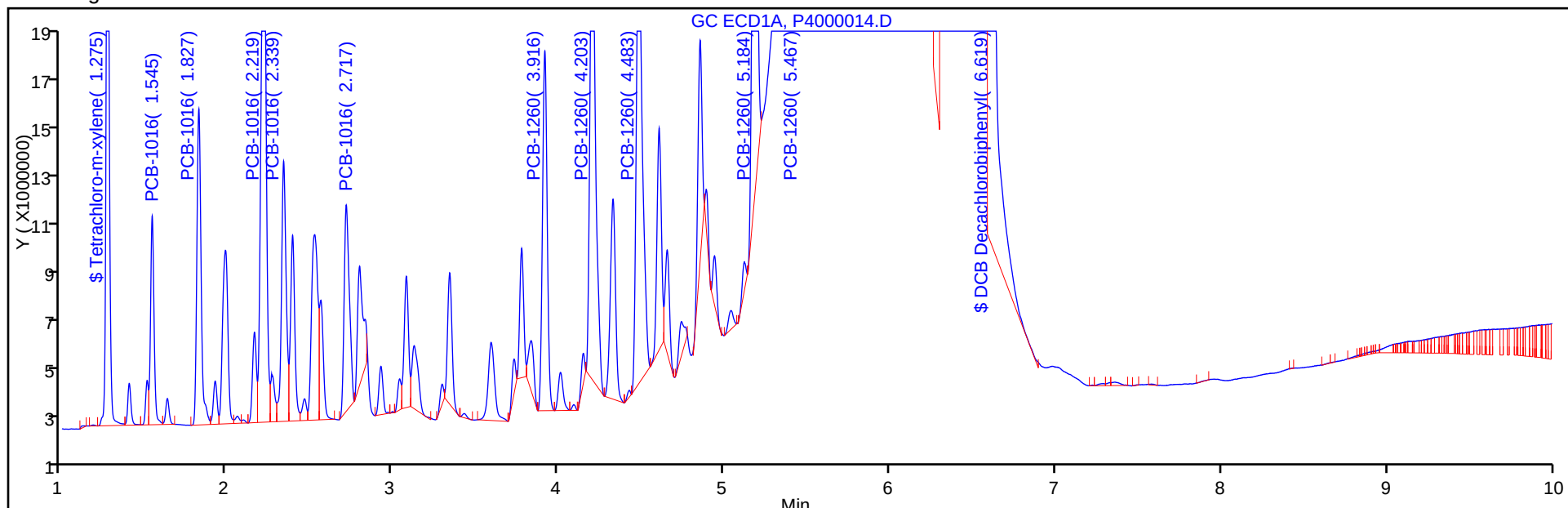
Operator ID:

Injection Vol: 1.0 uL

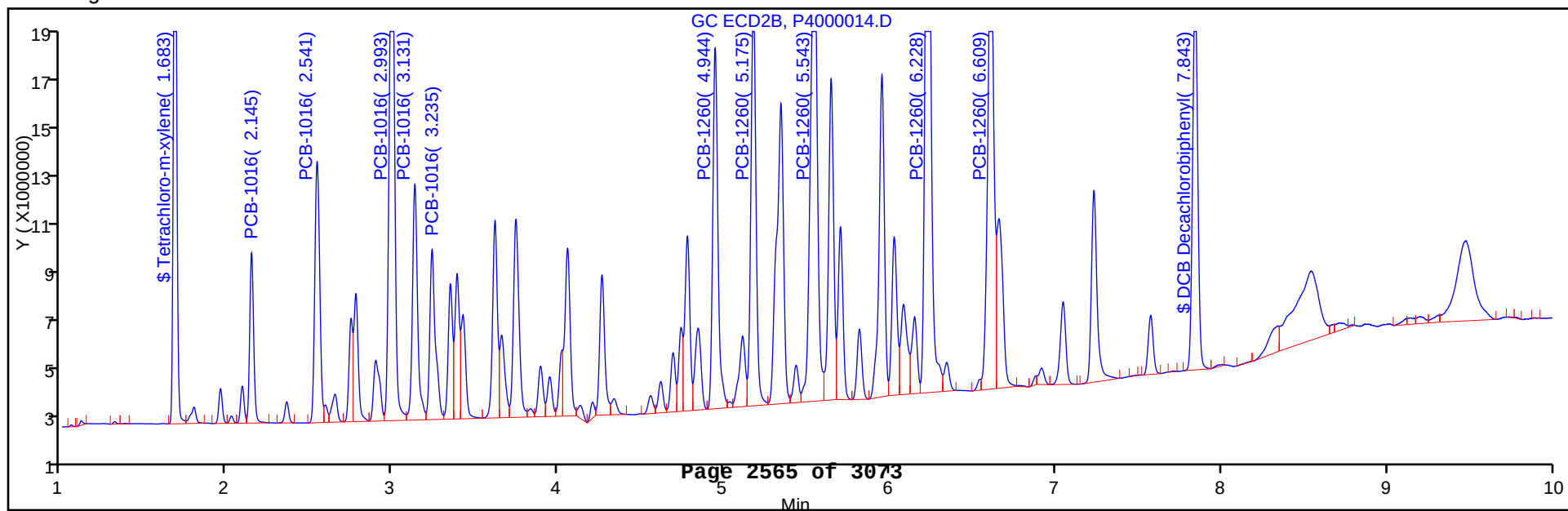
Column Type:

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.: 240-22852-1
 SDG No.: _____
 Lab Sample ID: CCV 240-82363/14 Calibration Date: 04/18/2013 12:29
 Instrument ID: A2HP4 Calib Start Date: 04/15/2013 05:58
 GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 04/15/2013 07:16
 Lab File ID: P4000014.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	25648240	23873908		0.465	0.500	-6.9	20.0
PCB-1016 Peak 2	Ave	50771162	45940218		0.452	0.500	-9.5	20.0
PCB-1016 Peak 3	Ave	99379492	101360566		0.510	0.500	2.0	20.0
PCB-1016 Peak 4	Ave	44018240	43175310		0.490	0.500	-1.9	20.0
PCB-1016 Peak 5	Ave	34251515	34048910		0.497	0.500	-0.6	20.0
PCB-1260 Peak 1	Ave	68786213	66230178		0.481	0.500	-3.7	20.0
PCB-1260 Peak 2	Ave	79832052	73824112		0.462	0.500	-7.5	20.0
PCB-1260 Peak 3	Ave	118169923	118320466		0.501	0.500	0.1	20.0
PCB-1260 Peak 4	Ave	145808797	149913556		0.514	0.500	2.8	20.0
PCB-1260 Peak 5	Ave	96662928	101952110		0.527	0.500	5.5	20.0
Tetrachloro-m-xylene	Ave	1577823383	1506809800		0.0239	0.0250	-4.5	20.0
DCB Decachlorobiphenyl	Ave	1456619055	1401770720		0.0241	0.0250	-3.8	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22852-1
SDG No.: _____
Lab Sample ID: CCV 240-82363/14 Calibration Date: 04/18/2013 12:29
Instrument ID: A2HP4 Calib Start Date: 04/15/2013 05:58
GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 04/15/2013 07:16
Lab File ID: P4000014.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.15	2.05	2.25
PCB-1016 Peak 2	2.54	2.44	2.64
PCB-1016 Peak 3	2.99	2.89	3.09
PCB-1016 Peak 4	3.13	3.03	3.23
PCB-1016 Peak 5	3.24	3.14	3.34
PCB-1260 Peak 1	4.94	4.84	5.04
PCB-1260 Peak 2	5.18	5.08	5.28
PCB-1260 Peak 3	5.54	5.44	5.64
PCB-1260 Peak 4	6.23	6.13	6.33
PCB-1260 Peak 5	6.61	6.51	6.71
Tetrachloro-m-xylene	1.68	1.58	1.78
DCB Decachlorobiphenyl	7.84	7.74	7.94

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130417-18971.b\P4000014.D
 Lims ID: CCV AR1660 Client ID:
 Inject. Date: 18-Apr-2013 12:29:13 Dil. Factor: 1.0000
 Sample Type: CCV
 Sample ID: 240-0018971-014
 Misc. Info.:
 Operator: Instrument ID: A2HP4
 Injection Vol: 1.0 uL ALS Bottle#: 14
 Lims Batch ID: 82363 Lims Sample ID: 14
 Sublist: chrom-PCB4*sub5
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\Ncchrom\ChromData\A2HP4\20130417-18971.b\PCB4.m
 Last Update: 19-Apr-2013 14:47:51 Calib Date: 15-Apr-2013 10:24:45
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK027

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

\$ 2 Tetrachloro-m-xylene

1	44	1.275	1.275	0.000	39494893	0.0249			
2	2	1.683	1.683	0.000	37670245	0.0239			

RPD = 4.36

6 PCB-1016

1	100	1.545	1.545	0.000	12888471	0.4749		100.0	
1	2	1.827	1.827	0.000	23831394	0.4867	156.0- 206.0	184.9	
1	3	2.219	2.219	0.000	49383359	0.5285	312.4- 362.4	383.2	
1	4	2.339	2.339	0.000	21667873	0.5164	118.7- 188.7	168.1	
1	5	2.717	2.717	0.000	19096359	0.4504	125.6- 175.6	148.2	
Average of Peak Amounts =						0.4914			
2	6	2.145	2.145	0.000	11936954	0.4654		100.0	
2	7	2.541	2.541	0.000	22970109	0.4524	169.6- 229.6	192.4	
2	8	2.993	2.993	0.000	50680283	0.5100	351.4- 411.4	424.6	
2	9	3.131	3.131	0.000	21587655	0.4904	141.3- 201.3	180.8	
2	10	3.235	3.235	0.000	17024455	0.4970	102.5- 162.5	142.6	
Average of Peak Amounts =						0.4831			

RPD = 1.71

Data File: \\Ncchrom\ChromData\A2HP4\20130417-18971.b\P4000014.D

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

10 PCB-1260

1	100	3.916	3.916	0.000	29933515	0.4797		100.0	
1	2	4.203	4.203	0.000	48746005	0.4426	152.2- 202.2	162.8	
1	3	4.483	4.483	0.000	50053140	0.4649	146.4- 196.4	167.2	
1	4	5.184	5.184	0.000	48487205	0.3748	180.7- 230.7	162.0	
1	5	5.467	5.467	0.000	20285576	0.3483	64.1- 114.1	67.8	

Average of Peak Amounts = 0.4221

2	6	4.944	4.944	0.000	33115089	0.4814		100.0	
2	7	5.175	5.175	0.000	36912056	0.4624	87.6- 147.6	111.5	
2	8	5.543	5.543	0.000	59160233	0.5006	144.7- 204.7	178.7	
2	9	6.228	6.228	0.000	74956778	0.5141	187.7- 247.7	226.4	
2	10	6.609	6.609	0.000	50976055	0.5274	115.0- 175.0	153.9	

Average of Peak Amounts = 0.4972

RPD = 16.34

\$ 12 DCB Decachlorobiphenyl

1	100	6.619	6.619	0.000	72621373	0.0544			
2	2	7.843	7.843	0.000	35044268	0.0241			

RPD = 77.33

Report Date: 19-Apr-2013 14:47:52

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130417-18971.b\P4000014.D

Injection Date: 18-Apr-2013 12:29:13

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP4

Lims Batch ID: 82363

Lims Sample ID: 14

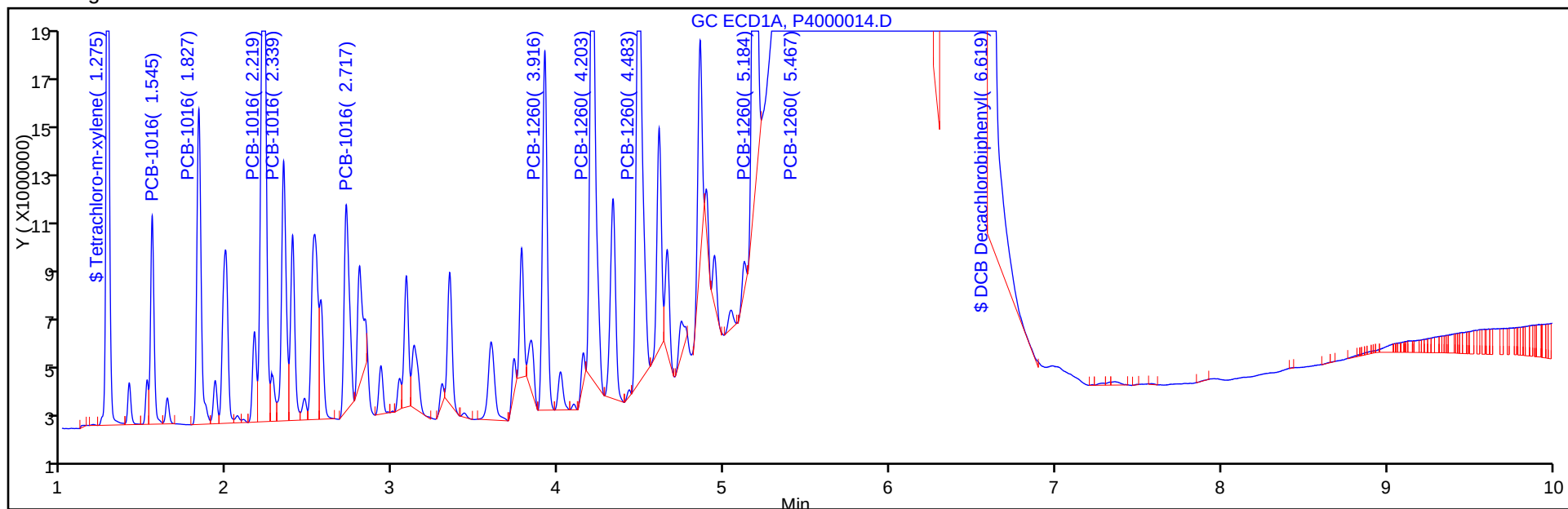
Operator ID:

Injection Vol: 1.0 uL

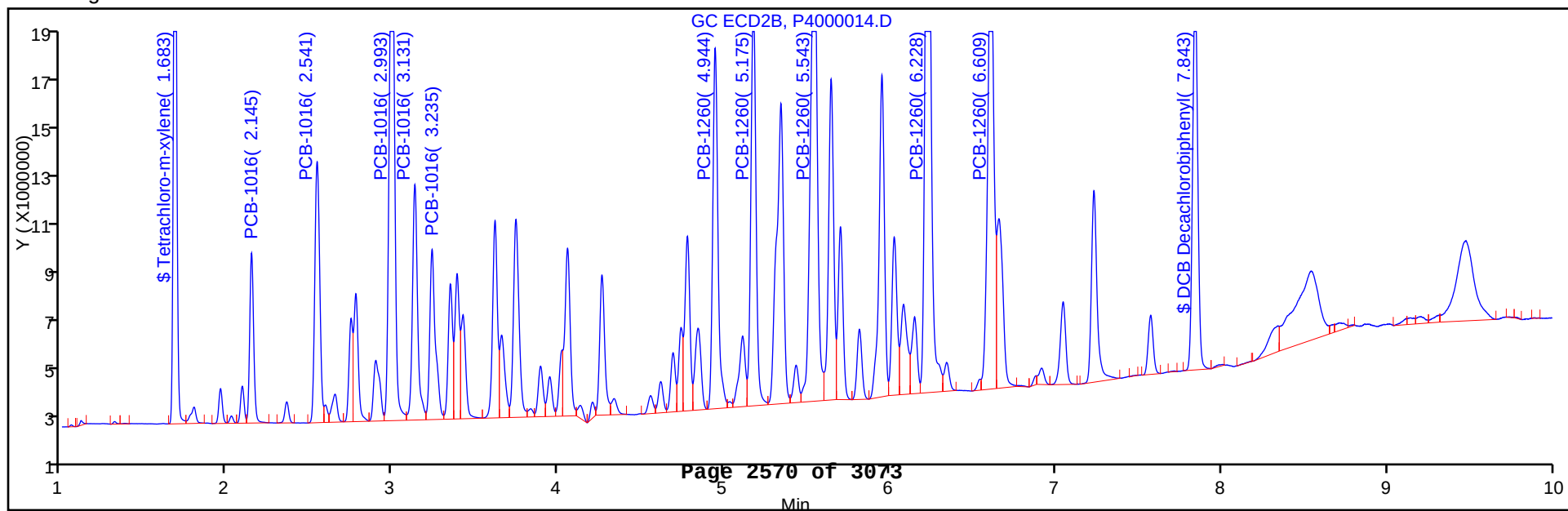
Column Type:

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.: 240-22852-1
 SDG No.: _____
 Lab Sample ID: CCV 240-82363/25 Calibration Date: 04/18/2013 15:21
 Instrument ID: A2HP4 Calib Start Date: 04/15/2013 05:58
 GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 04/15/2013 07:16
 Lab File ID: P4000025.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	27137284	27132660		0.500	0.500	-0.0	20.0
PCB-1016 Peak 2	Ave	48967138	50077478		0.511	0.500	2.3	20.0
PCB-1016 Peak 3	Ave	93440084	103564810		0.554	0.500	10.8	20.0
PCB-1016 Peak 4	Ave	41962283	46397918		0.553	0.500	10.6	20.0
PCB-1016 Peak 5	Ave	42399034	46237674		0.545	0.500	9.1	20.0
PCB-1260 Peak 1	Ave	62400345	64059772		0.513	0.500	2.7	20.0
PCB-1260 Peak 2	Ave	110128120	118003292		0.536	0.500	7.2	20.0
PCB-1260 Peak 3	Ave	107668512	118993420		0.553	0.500	10.5	20.0
PCB-1260 Peak 4	Ave	129376197	144951948		0.560	0.500	12.0	20.0
PCB-1260 Peak 5	Ave	58244642	70736784		0.607	0.500	21.4*	20.0
Tetrachloro-m-xylene	Ave	1583607317	1652028160		0.0261	0.0250	4.3	20.0
DCB Decachlorobiphenyl	Ave	1335217125	1473266240		0.0276	0.0250	10.3	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22852-1
SDG No.: _____
Lab Sample ID: CCV 240-82363/25 Calibration Date: 04/18/2013 15:21
Instrument ID: A2HP4 Calib Start Date: 04/15/2013 05:58
GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 04/15/2013 07:16
Lab File ID: P4000025.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	1.55	1.45	1.65
PCB-1016 Peak 2	1.83	1.73	1.93
PCB-1016 Peak 3	2.22	2.12	2.32
PCB-1016 Peak 4	2.34	2.24	2.44
PCB-1016 Peak 5	2.72	2.62	2.82
PCB-1260 Peak 1	3.92	3.82	4.02
PCB-1260 Peak 2	4.20	4.10	4.30
PCB-1260 Peak 3	4.48	4.38	4.58
PCB-1260 Peak 4	5.18	5.08	5.28
PCB-1260 Peak 5	5.47	5.37	5.57
Tetrachloro-m-xylene	1.28	1.18	1.38
DCB Decachlorobiphenyl	6.62	6.52	6.72

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130417-18971.b\P4000025.D
 Lims ID: CCV AR1660 Client ID:
 Inject. Date: 18-Apr-2013 15:21:23 Dil. Factor: 1.0000
 Sample Type: CCV
 Sample ID: 240-0018971-025

Misc. Info.:
 Operator: Instrument ID: A2HP4
 Injection Vol: 1.0 uL ALS Bottle#: 25
 Lims Batch ID: 82363 Lims Sample ID: 25
 Sublist: chrom-PCB4*sub5
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20130417-18971.b\PCB4.m
 Last Update: 19-Apr-2013 14:48:03 Calib Date: 15-Apr-2013 10:24:45
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK027

First Level Reviewer: hassl

Date: 19-Apr-2013 14:45:03

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

\$ 2 Tetrachloro-m-xylene

1	44	1.277	1.277	0.000	41300704	0.0261			
2	2	1.683	1.683	0.000	39196010	0.0248			

RPD = 4.86

6 PCB-1016

1	100	1.546	1.546	0.000	13566330	0.4999		100.0	M
1	2	1.828	1.828	0.000	25038739	0.5113	156.0- 206.0	184.6	M
1	3	2.219	2.219	0.000	51782405	0.5542	312.4- 362.4	381.7	M
1	4	2.340	2.340	0.000	23198959	0.5529	118.7- 188.7	171.0	M
1	5	2.718	2.718	0.000	23118837	0.5453	125.6- 175.6	170.4	M
		Average of Peak Amounts =				0.5327			
2	6	2.146	2.146	0.000	12452096	0.4855		100.0	
2	7	2.542	2.542	0.000	23988633	0.4725	169.6- 229.6	192.6	
2	8	2.993	2.993	0.000	53047014	0.5338	351.4- 411.4	426.0	
2	9	3.132	3.132	0.000	22789178	0.5177	141.3- 201.3	183.0	
2	10	3.236	3.236	0.000	18017181	0.5260	102.5- 162.5	144.7	
		Average of Peak Amounts =				0.5071			

RPD = 4.93

Data File: \\Ncchrom\ChromData\A2HP4\20130417-18971.b\P4000025.D

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

10 PCB-1260

1	100	3.917	3.917	0.000	32029886	0.5133		100.0	
1	2	4.203	4.203	0.000	59001646	0.5358	152.2- 202.2	184.2	
1	3	4.483	4.483	0.000	59496710	0.5526	146.4- 196.4	185.8	
1	4	5.184	5.184	0.000	72475974	0.5602	180.7- 230.7	226.3	
1	5	5.469	5.469	0.000	35368392	0.6072	64.1- 114.1	110.4	

Average of Peak Amounts = 0.5538

2	6	4.945	4.945	0.000	35918705	0.5222		100.0	
2	7	5.175	5.175	0.000	43023396	0.5389	87.6- 147.6	119.8	
2	8	5.543	5.543	0.000	63925477	0.5410	144.7- 204.7	178.0	
2	9	6.228	6.228	0.000	79557975	0.5456	187.7- 247.7	221.5	
2	10	6.610	6.610	0.000	53476513	0.5532	115.0- 175.0	148.9	

Average of Peak Amounts = 0.5402

RPD = 2.49

\$ 12 DCB Decachlorobiphenyl

1	100	6.622	6.622	0.000	36831656	0.0276			
2	2	7.843	7.843	0.000	36518473	0.0251			

RPD = 9.55

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 19-Apr-2013 14:48:03

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130417-18971.b\P4000025.D

Injection Date: 18-Apr-2013 15:21:23

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP4

Lims Batch ID: 82363

Lims Sample ID: 25

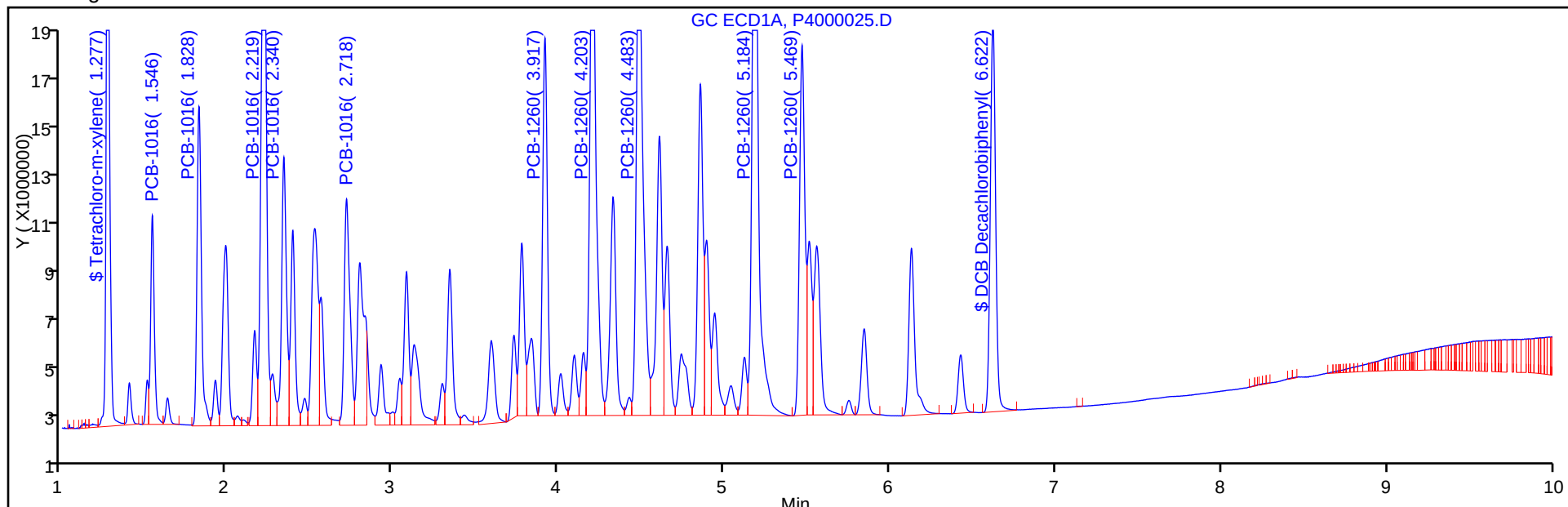
Operator ID:

Injection Vol: 1.0 uL

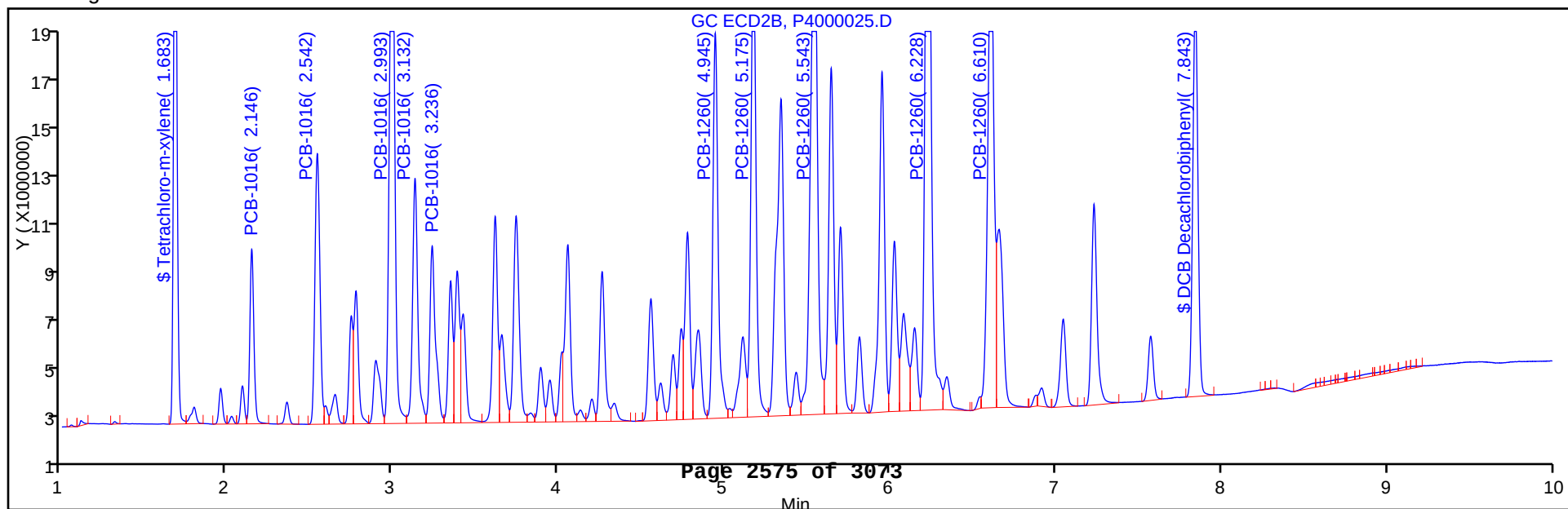
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130417-18971.b\P4000025.D

Injection Date: 18-Apr-2013 15:21:23

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP4

Lims Batch ID: 82363

Lims Sample ID: 25

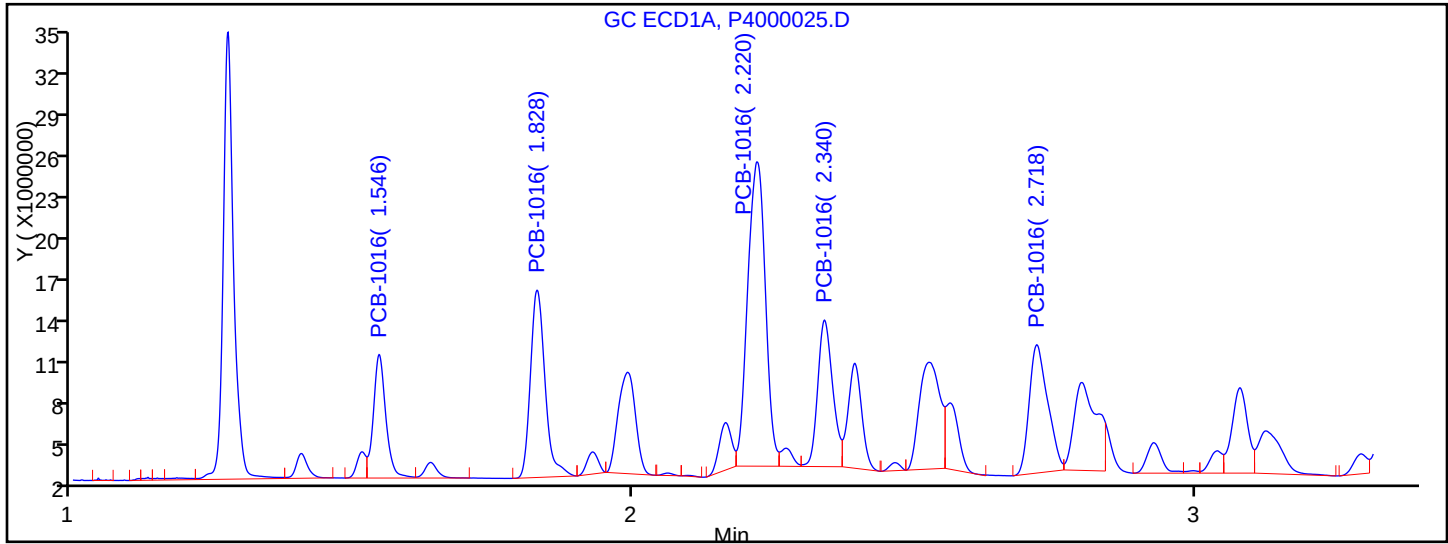
Operator ID:

Injection Vol: 1.0 uL

Column Type:

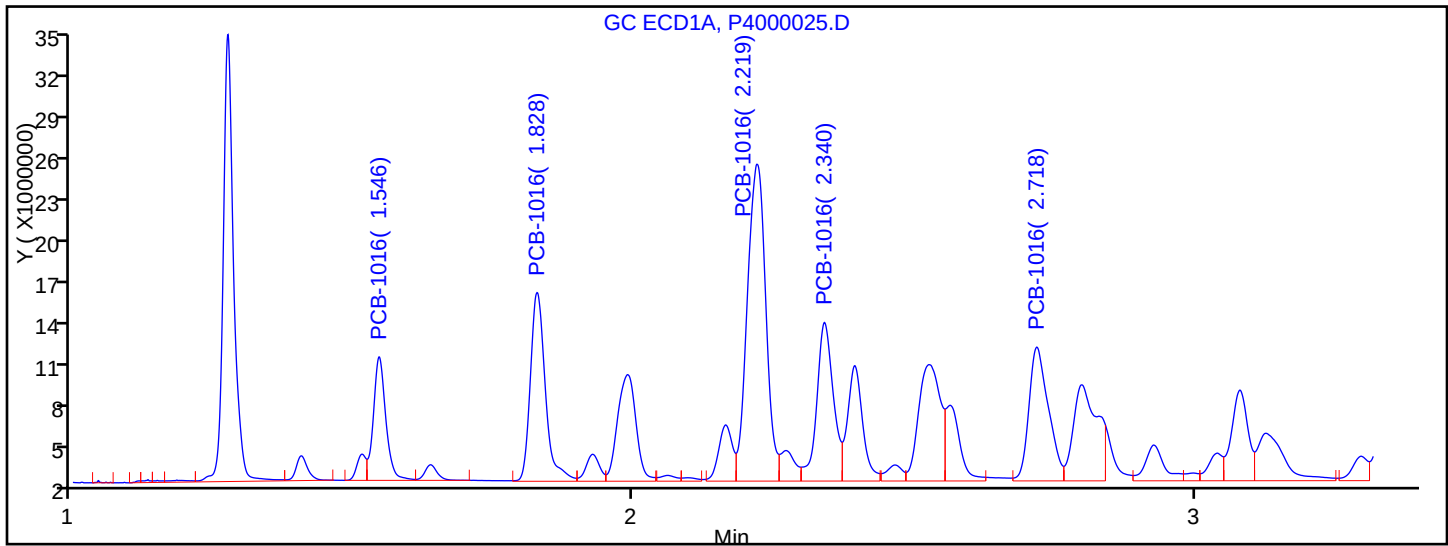
Column Dia:

6 PCB-1016, Detector: 1, GC ECD1A



Processing Integration Results

RT = 1.546	Response = 13566330	
RT = 1.828	Response = 24181393	M
RT = 2.220	Response = 47659193	M
RT = 2.340	Response = 19404584	M
RT = 2.718	Response = 20915454	M



Manual Integration Results

RT = 1.546	Response = 13566330	
RT = 1.828	Response = 25038739	M
RT = 2.219	Response = 51782405	M
RT = 2.340	Response = 23198959	M
RT = 2.718	Response = 23118837	M

Reviewer: hassl, 19-Apr-2013 14:45:03

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22852-1
 SDG No.: _____
 Lab Sample ID: CCV 240-82363/25 Calibration Date: 04/18/2013 15:21
 Instrument ID: A2HP4 Calib Start Date: 04/15/2013 05:58
 GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 04/15/2013 07:16
 Lab File ID: P4000025.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	25648240	24904192		0.485	0.500	-2.9	20.0
PCB-1016 Peak 2	Ave	50771162	47977266		0.472	0.500	-5.5	20.0
PCB-1016 Peak 3	Ave	99379492	106094028		0.534	0.500	6.8	20.0
PCB-1016 Peak 4	Ave	44018240	45578356		0.518	0.500	3.5	20.0
PCB-1016 Peak 5	Ave	34251515	36034362		0.526	0.500	5.2	20.0
PCB-1260 Peak 1	Ave	68786213	71837410		0.522	0.500	4.4	20.0
PCB-1260 Peak 2	Ave	79832052	86046792		0.539	0.500	7.8	20.0
PCB-1260 Peak 3	Ave	118169923	127850954		0.541	0.500	8.2	20.0
PCB-1260 Peak 4	Ave	145808797	159115950		0.546	0.500	9.1	20.0
PCB-1260 Peak 5	Ave	96662928	106953026		0.553	0.500	10.6	20.0
Tetrachloro-m-xylene	Ave	1577823383	1567840400		0.0248	0.0250	-0.6	20.0
DCB Decachlorobiphenyl	Ave	1456619055	1460738920		0.0251	0.0250	0.3	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22852-1
 SDG No.: _____
 Lab Sample ID: CCV 240-82363/25 Calibration Date: 04/18/2013 15:21
 Instrument ID: A2HP4 Calib Start Date: 04/15/2013 05:58
 GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 04/15/2013 07:16
 Lab File ID: P4000025.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.15	2.05	2.25
PCB-1016 Peak 2	2.54	2.44	2.64
PCB-1016 Peak 3	2.99	2.89	3.09
PCB-1016 Peak 4	3.13	3.03	3.23
PCB-1016 Peak 5	3.24	3.14	3.34
PCB-1260 Peak 1	4.95	4.85	5.05
PCB-1260 Peak 2	5.18	5.08	5.28
PCB-1260 Peak 3	5.54	5.44	5.64
PCB-1260 Peak 4	6.23	6.13	6.33
PCB-1260 Peak 5	6.61	6.51	6.71
Tetrachloro-m-xylene	1.68	1.58	1.78
DCB Decachlorobiphenyl	7.84	7.74	7.94

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130417-18971.b\P4000025.D
 Lims ID: CCV AR1660 Client ID:
 Inject. Date: 18-Apr-2013 15:21:23 Dil. Factor: 1.0000
 Sample Type: CCV
 Sample ID: 240-0018971-025
 Misc. Info.:
 Operator: Instrument ID: A2HP4
 Injection Vol: 1.0 uL ALS Bottle#: 25
 Lims Batch ID: 82363 Lims Sample ID: 25
 Sublist: chrom-PCB4*sub5
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\Ncchrom\ChromData\A2HP4\20130417-18971.b\PCB4.m
 Last Update: 19-Apr-2013 14:48:03 Calib Date: 15-Apr-2013 10:24:45
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK027

First Level Reviewer: hassl

Date: 19-Apr-2013 14:45:03

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

\$ 2 Tetrachloro-m-xylene

1	44	1.277	1.277	0.000	41300704	0.0261			
2	2	1.683	1.683	0.000	39196010	0.0248			

RPD = 4.86

6 PCB-1016

1	100	1.546	1.546	0.000	13566330	0.4999		100.0	M
1	2	1.828	1.828	0.000	25038739	0.5113	156.0- 206.0	184.6	M
1	3	2.219	2.219	0.000	51782405	0.5542	312.4- 362.4	381.7	M
1	4	2.340	2.340	0.000	23198959	0.5529	118.7- 188.7	171.0	M
1	5	2.718	2.718	0.000	23118837	0.5453	125.6- 175.6	170.4	M
		Average of Peak Amounts =				0.5327			
2	6	2.146	2.146	0.000	12452096	0.4855		100.0	
2	7	2.542	2.542	0.000	23988633	0.4725	169.6- 229.6	192.6	
2	8	2.993	2.993	0.000	53047014	0.5338	351.4- 411.4	426.0	
2	9	3.132	3.132	0.000	22789178	0.5177	141.3- 201.3	183.0	
2	10	3.236	3.236	0.000	18017181	0.5260	102.5- 162.5	144.7	
		Average of Peak Amounts =				0.5071			

RPD = 4.93

Data File: \\Ncchrom\ChromData\A2HP4\20130417-18971.b\P4000025.D

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

10 PCB-1260

1	100	3.917	3.917	0.000	32029886	0.5133		100.0	
1	2	4.203	4.203	0.000	59001646	0.5358	152.2- 202.2	184.2	
1	3	4.483	4.483	0.000	59496710	0.5526	146.4- 196.4	185.8	
1	4	5.184	5.184	0.000	72475974	0.5602	180.7- 230.7	226.3	
1	5	5.469	5.469	0.000	35368392	0.6072	64.1- 114.1	110.4	
Average of Peak Amounts =						0.5538			
2	6	4.945	4.945	0.000	35918705	0.5222		100.0	
2	7	5.175	5.175	0.000	43023396	0.5389	87.6- 147.6	119.8	
2	8	5.543	5.543	0.000	63925477	0.5410	144.7- 204.7	178.0	
2	9	6.228	6.228	0.000	79557975	0.5456	187.7- 247.7	221.5	
2	10	6.610	6.610	0.000	53476513	0.5532	115.0- 175.0	148.9	
Average of Peak Amounts =						0.5402			
						RPD = 2.49			

\$ 12 DCB Decachlorobiphenyl

1	100	6.622	6.622	0.000	36831656	0.0276			
2	2	7.843	7.843	0.000	36518473	0.0251			
						RPD = 9.55			

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 19-Apr-2013 14:48:04

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130417-18971.b\P4000025.D

Injection Date: 18-Apr-2013 15:21:23

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP4

Lims Batch ID: 82363

Lims Sample ID: 25

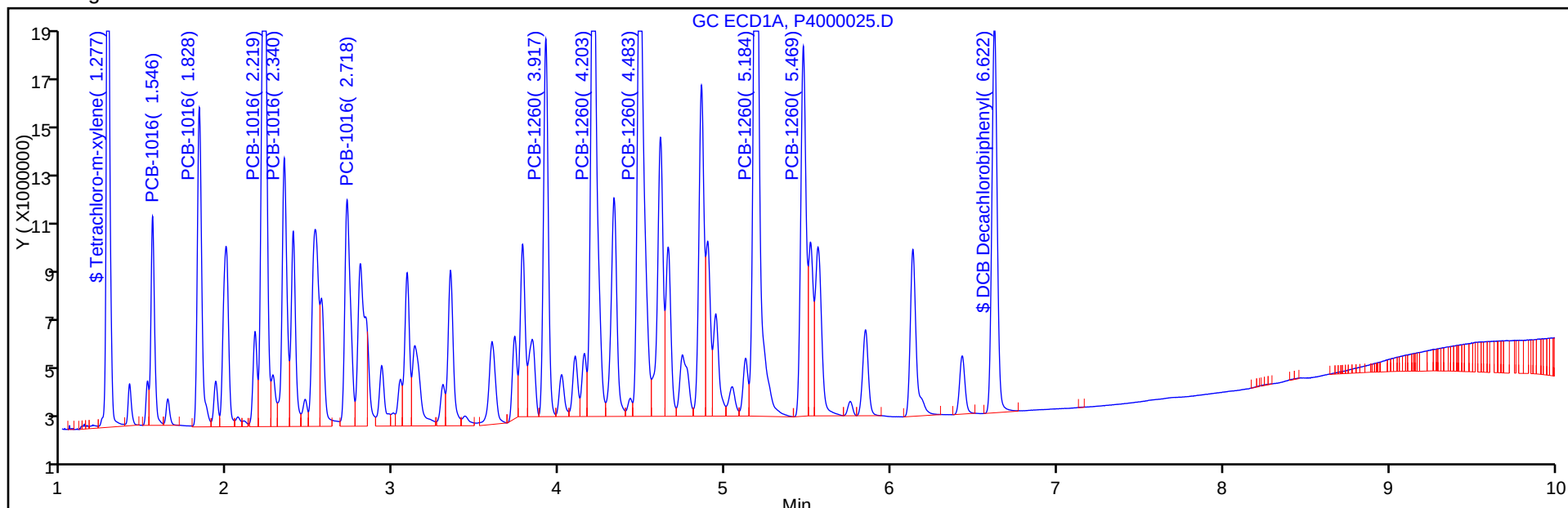
Operator ID:

Injection Vol: 1.0 uL

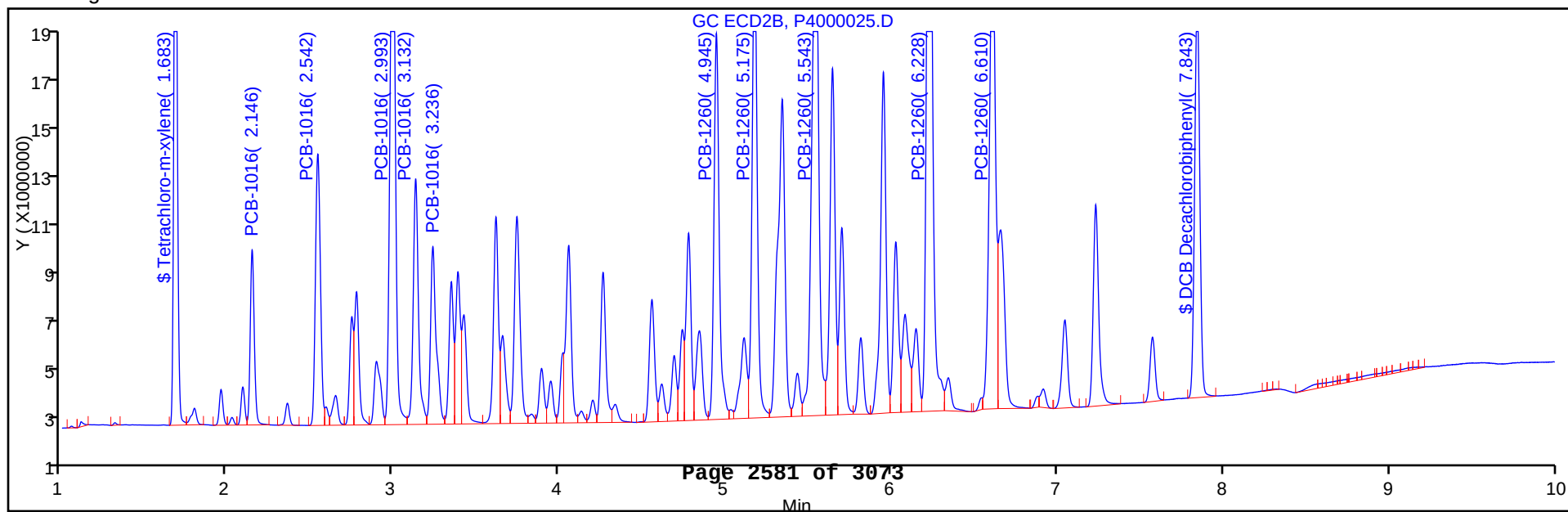
Column Type:

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.: 240-22852-1
 SDG No.: _____
 Lab Sample ID: CCV 240-82762/3 Calibration Date: 04/19/2013 21:58
 Instrument ID: A2HP4 Calib Start Date: 04/15/2013 05:58
 GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 04/15/2013 07:16
 Lab File ID: P4000003.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	27137284	24330198		0.448	0.500	-10.3	20.0
PCB-1016 Peak 2	Ave	48967138	45514646		0.465	0.500	-7.1	20.0
PCB-1016 Peak 3	Ave	93440084	88930690		0.476	0.500	-4.8	20.0
PCB-1016 Peak 4	Ave	41962283	39899762		0.475	0.500	-4.9	20.0
PCB-1016 Peak 5	Ave	42399034	39659916		0.468	0.500	-6.5	20.0
PCB-1260 Peak 1	Ave	62400345	56425048		0.452	0.500	-9.6	20.0
PCB-1260 Peak 2	Ave	110128120	102937464		0.467	0.500	-6.5	20.0
PCB-1260 Peak 3	Ave	107668512	103300968		0.480	0.500	-4.1	20.0
PCB-1260 Peak 4	Ave	129376197	130303604		0.504	0.500	0.7	20.0
PCB-1260 Peak 5	Ave	58244642	56379498		0.484	0.500	-3.2	20.0
Tetrachloro-m-xylene	Ave	1583607317	1467512640		0.0232	0.0250	-7.3	20.0
DCB Decachlorobiphenyl	Ave	1335217125	1366029280		0.0256	0.0250	2.3	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22852-1
 SDG No.: _____
 Lab Sample ID: CCV 240-82762/3 Calibration Date: 04/19/2013 21:58
 Instrument ID: A2HP4 Calib Start Date: 04/15/2013 05:58
 GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 04/15/2013 07:16
 Lab File ID: P4000003.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	1.55	1.45	1.65
PCB-1016 Peak 2	1.83	1.73	1.93
PCB-1016 Peak 3	2.22	2.12	2.32
PCB-1016 Peak 4	2.34	2.24	2.44
PCB-1016 Peak 5	2.72	2.62	2.82
PCB-1260 Peak 1	3.92	3.82	4.02
PCB-1260 Peak 2	4.21	4.11	4.31
PCB-1260 Peak 3	4.49	4.39	4.59
PCB-1260 Peak 4	5.19	5.09	5.29
PCB-1260 Peak 5	5.47	5.37	5.57
Tetrachloro-m-xylene	1.28	1.18	1.38
DCB Decachlorobiphenyl	6.63	6.53	6.73

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130419-19070.b\P4000003.D
 Lims ID: CCV AR1660 Client ID:
 Inject. Date: 19-Apr-2013 21:58:31 Dil. Factor: 1.0000
 Sample Type: CCVRT
 Sample ID: 240-0019070-003
 Misc. Info.:
 Operator: Instrument ID: A2HP4
 Injection Vol: 1.0 uL ALS Bottle#: 3
 Lims Batch ID: 82762 Lims Sample ID: 3
 Sublist: chrom-PCB4*sub5
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\Ncchrom\ChromData\A2HP4\20130419-19070.b\PCB4.m
 Last Update: 22-Apr-2013 12:47:41 Calib Date: 15-Apr-2013 10:24:45
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK003

First Level Reviewer: hassl

Date: 22-Apr-2013 12:43:47

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

\$ 2 Tetrachloro-m-xylene

1	44	1.277	1.277	0.000	36687816	0.0232			
2	2	1.685	1.685	0.000	36339873	0.0230			

RPD = 0.59

6 PCB-1016

1	100	1.546	1.546	0.000	12165099	0.4483		100.0	M
1	2	1.829	1.829	0.000	22757323	0.4647	156.0- 206.0	187.1	M
1	3	2.223	2.223	0.000	44465345	0.4759	312.4- 362.4	365.5	M
1	4	2.342	2.342	0.000	19949881	0.4754	118.7- 188.7	164.0	M
1	5	2.721	2.721	0.000	19829958	0.4677	125.6- 175.6	163.0	M
		Average of Peak Amounts =				0.4664			
2	6	2.147	2.147	0.000	11711932	0.4566		100.0	
2	7	2.543	2.543	0.000	23116543	0.4553	169.6- 229.6	197.4	
2	8	2.995	2.995	0.000	47630402	0.4793	351.4- 411.4	406.7	
2	9	3.134	3.134	0.000	20693613	0.4701	141.3- 201.3	176.7	
2	10	3.236	3.236	0.000	16327255	0.4767	102.5- 162.5	139.4	
		Average of Peak Amounts =				0.4676			

RPD = 0.26

Data File: \\Ncchrom\ChromData\A2HP4\20130419-19070.b\P4000003.D

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

10 PCB-1260

1	100	3.920	3.920	0.000	28212524	0.4521		100.0	
1	2	4.207	4.207	0.000	51468732	0.4674	152.2- 202.2	182.4	
1	3	4.490	4.490	0.000	51650484	0.4797	146.4- 196.4	183.1	
1	4	5.189	5.189	0.000	65151802	0.5036	180.7- 230.7	230.9	
1	5	5.474	5.474	0.000	28189749	0.4840	64.1- 114.1	99.9	

Average of Peak Amounts = 0.4774

2	6	4.946	4.946	0.000	32679432	0.4751		100.0	
2	7	5.177	5.177	0.000	38971055	0.4882	87.6- 147.6	119.3	
2	8	5.546	5.546	0.000	58164608	0.4922	144.7- 204.7	178.0	
2	9	6.231	6.231	0.000	73821748	0.5063	187.7- 247.7	225.9	
2	10	6.613	6.613	0.000	49534581	0.5124	115.0- 175.0	151.6	

Average of Peak Amounts = 0.4948

RPD = 3.60

\$ 12 DCB Decachlorobiphenyl

1	100	6.626	6.626	0.000	34150732	0.0256			
2	2	7.847	7.847	0.000	36194301	0.0248			

RPD = 2.89

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 22-Apr-2013 12:47:41

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130419-19070.b\P4000003.D

Injection Date: 19-Apr-2013 21:58:31

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP4

Lims Batch ID: 82762

Lims Sample ID: 3

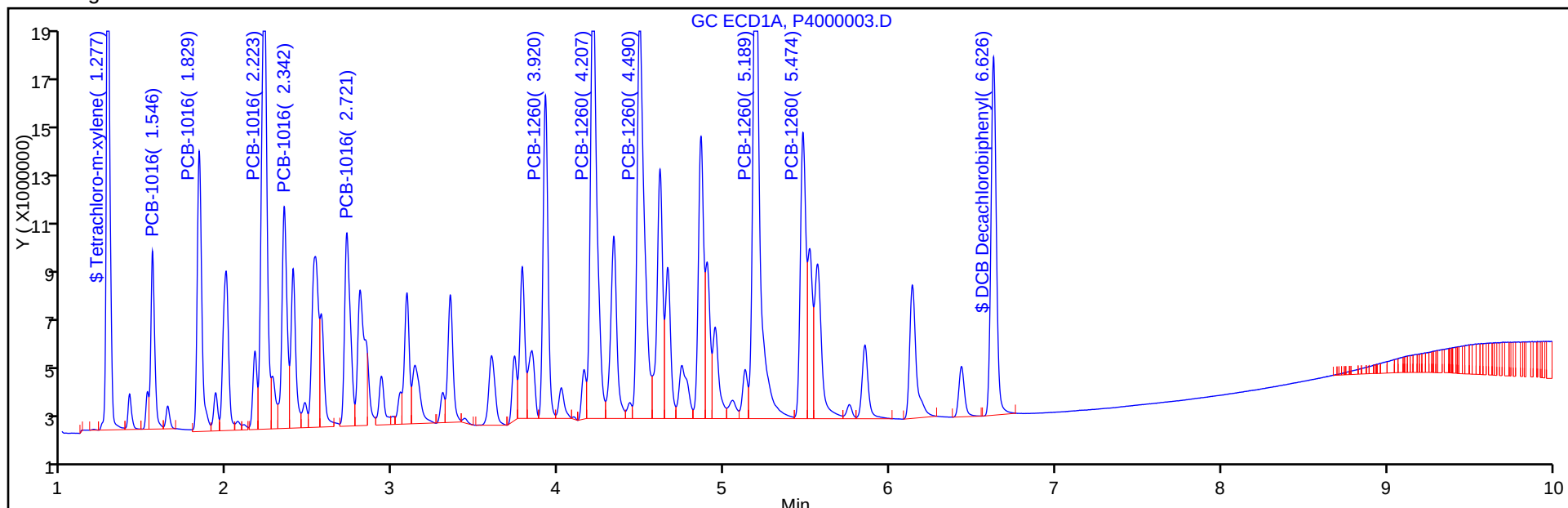
Operator ID:

Injection Vol: 1.0 uL

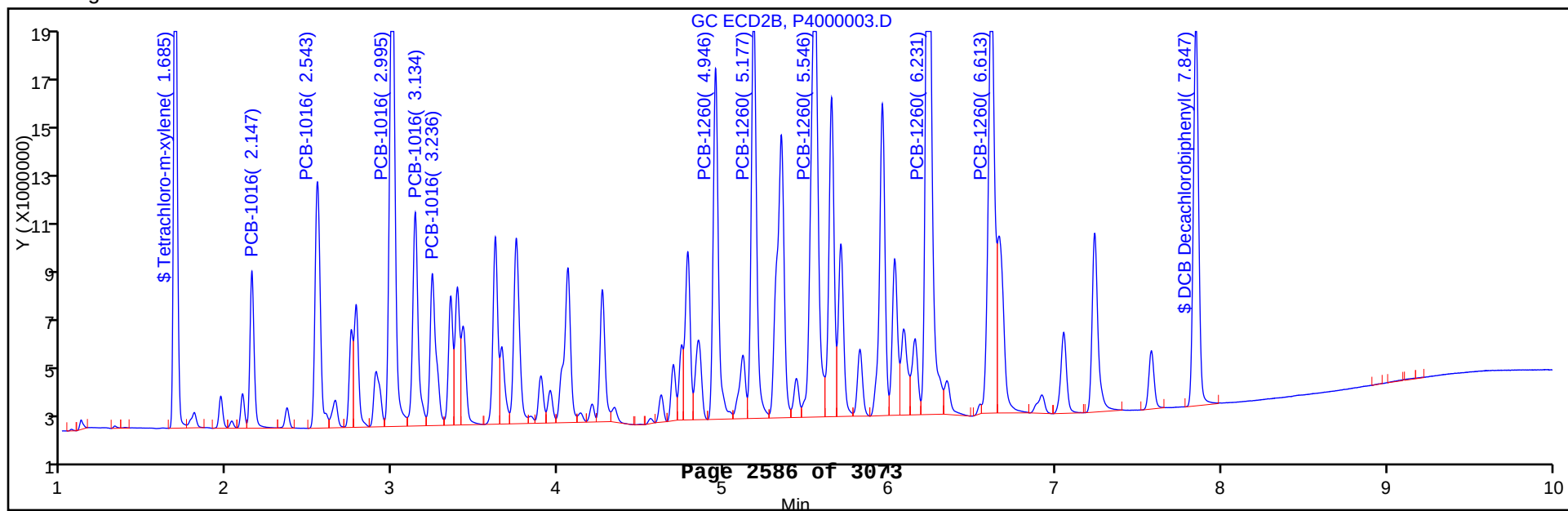
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130419-19070.b\P4000003.D

Injection Date: 19-Apr-2013 21:58:31

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP4

Lims Batch ID: 82762

Lims Sample ID: 3

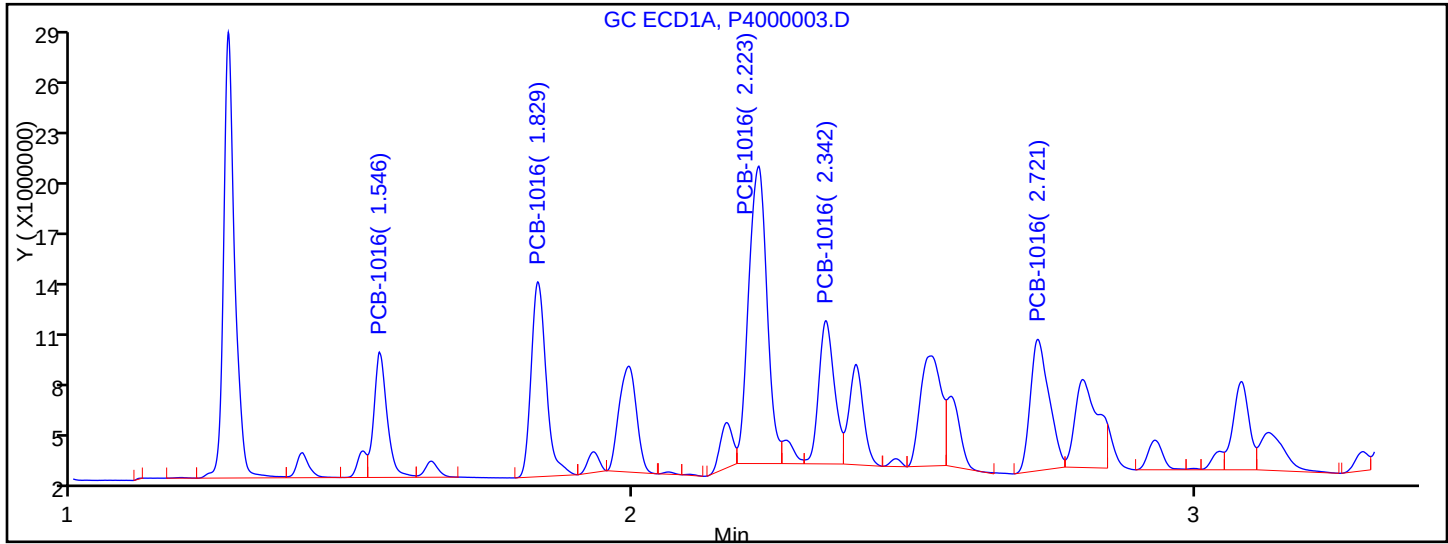
Operator ID:

Injection Vol: 1.0 uL

Column Type:

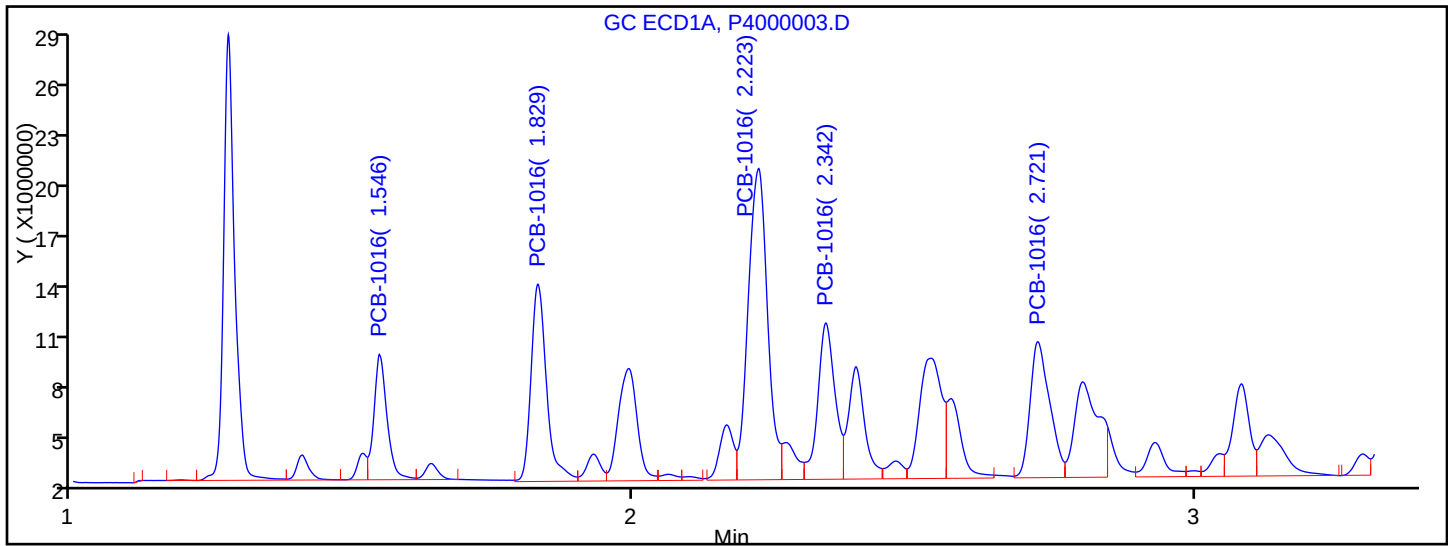
Column Dia:

6 PCB-1016, Detector: 1, GC ECD1A



Processing Integration Results

RT = 1.546	Response = 12165099	
RT = 1.829	Response = 21661578	M
RT = 2.223	Response = 40484480	M
RT = 2.342	Response = 16675221	M
RT = 2.721	Response = 18254527	M



Manual Integration Results

RT = 1.546	Response = 12165099	
RT = 1.829	Response = 22757323	M
RT = 2.223	Response = 44465345	M
RT = 2.342	Response = 19949881	M
RT = 2.721	Response = 19829958	M

Reviewer: hassl, 22-Apr-2013 12:43:47

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22852-1
 SDG No.: _____
 Lab Sample ID: CCV 240-82762/3 Calibration Date: 04/19/2013 21:58
 Instrument ID: A2HP4 Calib Start Date: 04/15/2013 05:58
 GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 04/15/2013 07:16
 Lab File ID: P4000003.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	25648240	23423864		0.457	0.500	-8.7	20.0
PCB-1016 Peak 2	Ave	50771162	46233086		0.455	0.500	-8.9	20.0
PCB-1016 Peak 3	Ave	99379492	95260804		0.479	0.500	-4.1	20.0
PCB-1016 Peak 4	Ave	44018240	41387226		0.470	0.500	-6.0	20.0
PCB-1016 Peak 5	Ave	34251515	32654510		0.477	0.500	-4.7	20.0
PCB-1260 Peak 1	Ave	68786213	65358864		0.475	0.500	-5.0	20.0
PCB-1260 Peak 2	Ave	79832052	77942110		0.488	0.500	-2.4	20.0
PCB-1260 Peak 3	Ave	118169923	116329216		0.492	0.500	-1.6	20.0
PCB-1260 Peak 4	Ave	145808797	147643496		0.506	0.500	1.3	20.0
PCB-1260 Peak 5	Ave	96662928	99069162		0.512	0.500	2.5	20.0
Tetrachloro-m-xylene	Ave	1577823383	1453594920		0.0230	0.0250	-7.9	20.0
DCB Decachlorobiphenyl	Ave	1456619055	1447772040		0.0248	0.0250	-0.6	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22852-1
SDG No.: _____
Lab Sample ID: CCV 240-82762/3 Calibration Date: 04/19/2013 21:58
Instrument ID: A2HP4 Calib Start Date: 04/15/2013 05:58
GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 04/15/2013 07:16
Lab File ID: P4000003.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.15	2.05	2.25
PCB-1016 Peak 2	2.54	2.44	2.64
PCB-1016 Peak 3	3.00	2.90	3.10
PCB-1016 Peak 4	3.13	3.03	3.23
PCB-1016 Peak 5	3.24	3.14	3.34
PCB-1260 Peak 1	4.95	4.85	5.05
PCB-1260 Peak 2	5.18	5.08	5.28
PCB-1260 Peak 3	5.55	5.45	5.65
PCB-1260 Peak 4	6.23	6.13	6.33
PCB-1260 Peak 5	6.61	6.51	6.71
Tetrachloro-m-xylene	1.69	1.59	1.79
DCB Decachlorobiphenyl	7.85	7.75	7.95

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130419-19070.b\P4000003.D
 Lims ID: CCV AR1660 Client ID:
 Inject. Date: 19-Apr-2013 21:58:31 Dil. Factor: 1.0000
 Sample Type: CCVRT
 Sample ID: 240-0019070-003
 Misc. Info.:
 Operator: Instrument ID: A2HP4
 Injection Vol: 1.0 uL ALS Bottle#: 3
 Lims Batch ID: 82762 Lims Sample ID: 3
 Sublist: chrom-PCB4*sub5
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\Ncchrom\ChromData\A2HP4\20130419-19070.b\PCB4.m
 Last Update: 22-Apr-2013 12:47:41 Calib Date: 15-Apr-2013 10:24:45
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK003

First Level Reviewer: hassl

Date: 22-Apr-2013 12:43:47

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

\$ 2 Tetrachloro-m-xylene

1	44	1.277	1.277	0.000	36687816	0.0232			
2	2	1.685	1.685	0.000	36339873	0.0230			

RPD = 0.59

6 PCB-1016

1	100	1.546	1.546	0.000	12165099	0.4483		100.0	
1	2	1.829	1.829	0.000	22757323	0.4647	156.0- 206.0	187.1	M
1	3	2.223	2.223	0.000	44465345	0.4759	312.4- 362.4	365.5	M
1	4	2.342	2.342	0.000	19949881	0.4754	118.7- 188.7	164.0	M
1	5	2.721	2.721	0.000	19829958	0.4677	125.6- 175.6	163.0	M
		Average of Peak Amounts =				0.4664			
2	6	2.147	2.147	0.000	11711932	0.4566		100.0	
2	7	2.543	2.543	0.000	23116543	0.4553	169.6- 229.6	197.4	
2	8	2.995	2.995	0.000	47630402	0.4793	351.4- 411.4	406.7	
2	9	3.134	3.134	0.000	20693613	0.4701	141.3- 201.3	176.7	
2	10	3.236	3.236	0.000	16327255	0.4767	102.5- 162.5	139.4	
		Average of Peak Amounts =				0.4676			

RPD = 0.26

Data File: \\Ncchrom\ChromData\A2HP4\20130419-19070.b\P4000003.D

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

10 PCB-1260

1	100	3.920	3.920	0.000	28212524	0.4521		100.0	
1	2	4.207	4.207	0.000	51468732	0.4674	152.2- 202.2	182.4	
1	3	4.490	4.490	0.000	51650484	0.4797	146.4- 196.4	183.1	
1	4	5.189	5.189	0.000	65151802	0.5036	180.7- 230.7	230.9	
1	5	5.474	5.474	0.000	28189749	0.4840	64.1- 114.1	99.9	

Average of Peak Amounts = 0.4774

2	6	4.946	4.946	0.000	32679432	0.4751		100.0	
2	7	5.177	5.177	0.000	38971055	0.4882	87.6- 147.6	119.3	
2	8	5.546	5.546	0.000	58164608	0.4922	144.7- 204.7	178.0	
2	9	6.231	6.231	0.000	73821748	0.5063	187.7- 247.7	225.9	
2	10	6.613	6.613	0.000	49534581	0.5124	115.0- 175.0	151.6	

Average of Peak Amounts = 0.4948

RPD = 3.60

\$ 12 DCB Decachlorobiphenyl

1	100	6.626	6.626	0.000	34150732	0.0256			
2	2	7.847	7.847	0.000	36194301	0.0248			

RPD = 2.89

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 22-Apr-2013 12:47:42

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130419-19070.b\P4000003.D

Injection Date: 19-Apr-2013 21:58:31

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP4

Lims Batch ID: 82762

Lims Sample ID: 3

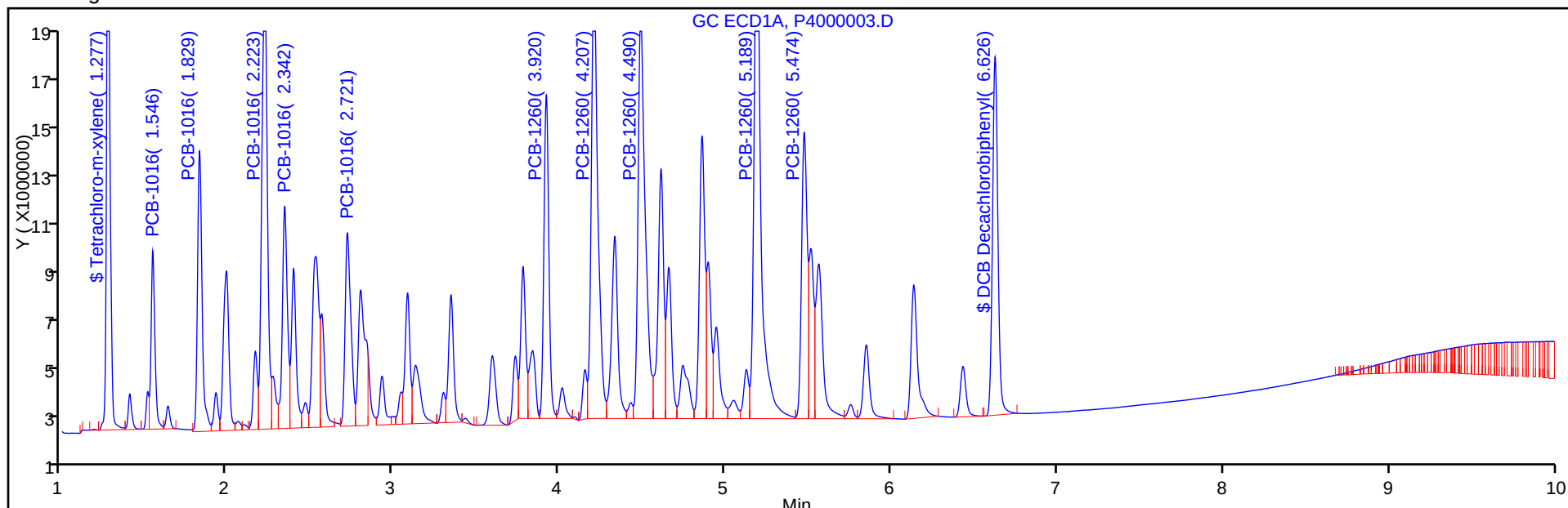
Operator ID:

Injection Vol: 1.0 uL

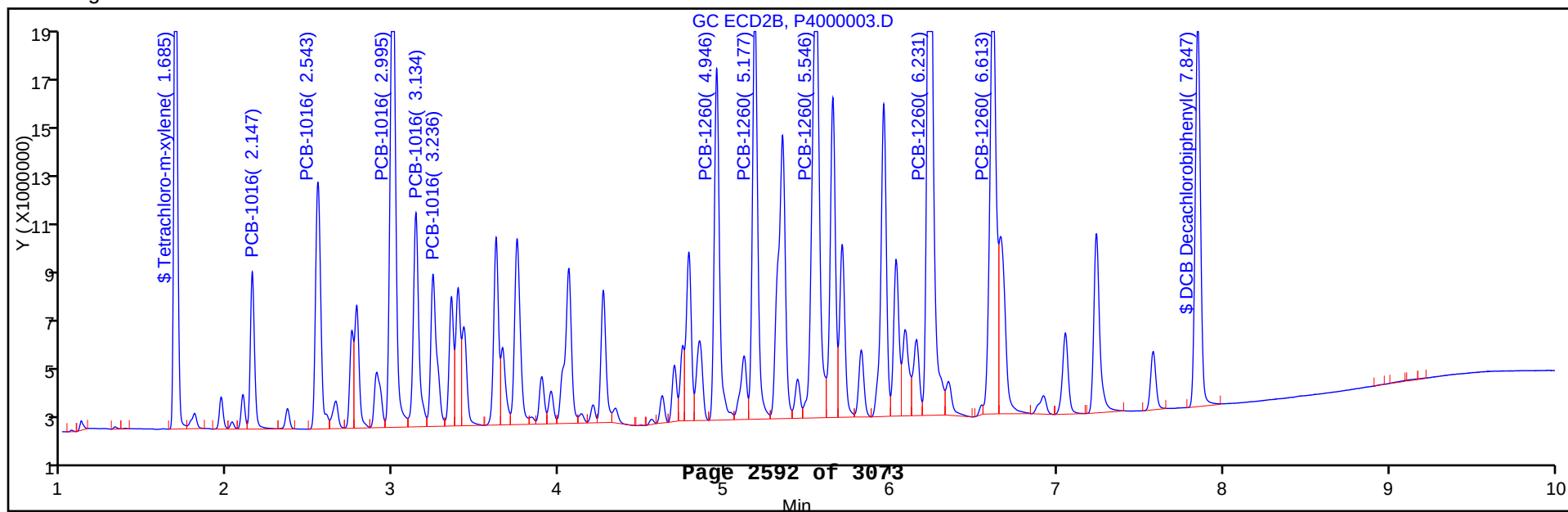
Column Type:

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.: 240-22852-1
 SDG No.: _____
 Lab Sample ID: CCV 240-82762/13 Calibration Date: 04/20/2013 00:34
 Instrument ID: A2HP4 Calib Start Date: 04/15/2013 05:58
 GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 04/15/2013 07:16
 Lab File ID: P4000013.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	27137284	25438664		0.469	0.500	-6.3	20.0
PCB-1016 Peak 2	Ave	48967138	46388432		0.474	0.500	-5.3	20.0
PCB-1016 Peak 3	Ave	93440084	95327342		0.510	0.500	2.0	20.0
PCB-1016 Peak 4	Ave	41962283	41911666		0.499	0.500	-0.1	20.0
PCB-1016 Peak 5	Ave	42399034	41499700		0.489	0.500	-2.1	20.0
PCB-1260 Peak 1	Ave	62400345	59772554		0.479	0.500	-4.2	20.0
PCB-1260 Peak 2	Ave	110128120	110281084		0.501	0.500	0.1	20.0
PCB-1260 Peak 3	Ave	107668512	111599168		0.518	0.500	3.7	20.0
PCB-1260 Peak 4	Ave	129376197	133939260		0.518	0.500	3.5	20.0
PCB-1260 Peak 5	Ave	58244642	62954556		0.540	0.500	8.1	20.0
Tetrachloro-m-xylene	Ave	1583607317	1527719280		0.0241	0.0250	-3.5	20.0
DCB Decachlorobiphenyl	Ave	1335217125	1372285880		0.0257	0.0250	2.8	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22852-1
 SDG No.: _____
 Lab Sample ID: CCV 240-82762/13 Calibration Date: 04/20/2013 00:34
 Instrument ID: A2HP4 Calib Start Date: 04/15/2013 05:58
 GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 04/15/2013 07:16
 Lab File ID: P4000013.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	1.55	1.45	1.65
PCB-1016 Peak 2	1.83	1.73	1.93
PCB-1016 Peak 3	2.22	2.12	2.32
PCB-1016 Peak 4	2.34	2.24	2.44
PCB-1016 Peak 5	2.72	2.62	2.82
PCB-1260 Peak 1	3.92	3.82	4.02
PCB-1260 Peak 2	4.21	4.11	4.31
PCB-1260 Peak 3	4.49	4.39	4.59
PCB-1260 Peak 4	5.19	5.09	5.29
PCB-1260 Peak 5	5.48	5.38	5.58
Tetrachloro-m-xylene	1.28	1.18	1.38
DCB Decachlorobiphenyl	6.63	6.53	6.73

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130419-19070.b\P4000013.D
 Lims ID: CCV AR1660 Client ID:
 Inject. Date: 20-Apr-2013 00:34:33 Dil. Factor: 1.0000
 Sample Type: CCV
 Sample ID: 240-0019070-013
 Misc. Info.:
 Operator: Instrument ID: A2HP4
 Injection Vol: 1.0 uL ALS Bottle#: 13
 Lims Batch ID: 82762 Lims Sample ID: 13
 Sublist: chrom-PCB4*sub5
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\Ncchrom\ChromData\A2HP4\20130419-19070.b\PCB4.m
 Last Update: 22-Apr-2013 12:47:38 Calib Date: 15-Apr-2013 10:24:45
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK003

First Level Reviewer: hassl

Date: 22-Apr-2013 12:46:59

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

\$ 2 Tetrachloro-m-xylene

1	44	1.278	1.278	0.000	38192982	0.0241			
2	2	1.687	1.687	0.000	37527001	0.0238			

RPD = 1.39

6 PCB-1016

1	100	1.548	1.548	0.000	12719332	0.4687		100.0	
1	2	1.831	1.831	0.000	23194216	0.4737	156.0- 206.0	182.4	M
1	3	2.223	2.223	0.000	47663671	0.5101	312.4- 362.4	374.7	M
1	4	2.343	2.343	0.000	20955833	0.4994	118.7- 188.7	164.8	M
1	5	2.722	2.722	0.000	20749850	0.4894	125.6- 175.6	163.1	M
		Average of Peak Amounts =				0.4883			
2	6	2.149	2.149	0.000	11968686	0.4666		100.0	
2	7	2.545	2.545	0.000	23955716	0.4718	169.6- 229.6	200.2	
2	8	2.997	2.997	0.000	50372613	0.5069	351.4- 411.4	420.9	
2	9	3.136	3.136	0.000	21447740	0.4872	141.3- 201.3	179.2	
2	10	3.240	3.240	0.000	16951810	0.4949	102.5- 162.5	141.6	
		Average of Peak Amounts =				0.4855			

RPD = 0.56

Data File: \\Ncchrom\ChromData\A2HP4\20130419-19070.b\P4000013.D

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

10 PCB-1260

1	100	3.921	3.921	0.000	29886277	0.4789		100.0	
1	2	4.207	4.207	0.000	55140542	0.5007	152.2- 202.2	184.5	
1	3	4.489	4.489	0.000	55799584	0.5183	146.4- 196.4	186.7	
1	4	5.189	5.189	0.000	66969630	0.5176	180.7- 230.7	224.1	
1	5	5.475	5.475	0.000	31477278	0.5404	64.1- 114.1	105.3	

Average of Peak Amounts = 0.5112

2	6	4.950	4.950	0.000	33325843	0.4845		100.0	
2	7	5.180	5.180	0.000	39222654	0.4913	87.6- 147.6	117.7	
2	8	5.548	5.548	0.000	59874289	0.5067	144.7- 204.7	179.7	
2	9	6.233	6.233	0.000	74329371	0.5098	187.7- 247.7	223.0	
2	10	6.615	6.615	0.000	48523310	0.5020	115.0- 175.0	145.6	

Average of Peak Amounts = 0.4988

RPD = 2.44

\$ 12 DCB Decachlorobiphenyl

1	100	6.626	6.626	0.000	34307147	0.0257			
2	2	7.849	7.849	0.000	33132270	0.0227			

RPD = 12.17

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 22-Apr-2013 12:47:38

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130419-19070.b\P4000013.D

Injection Date: 20-Apr-2013 00:34:33

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP4

Lims Batch ID: 82762

Lims Sample ID: 13

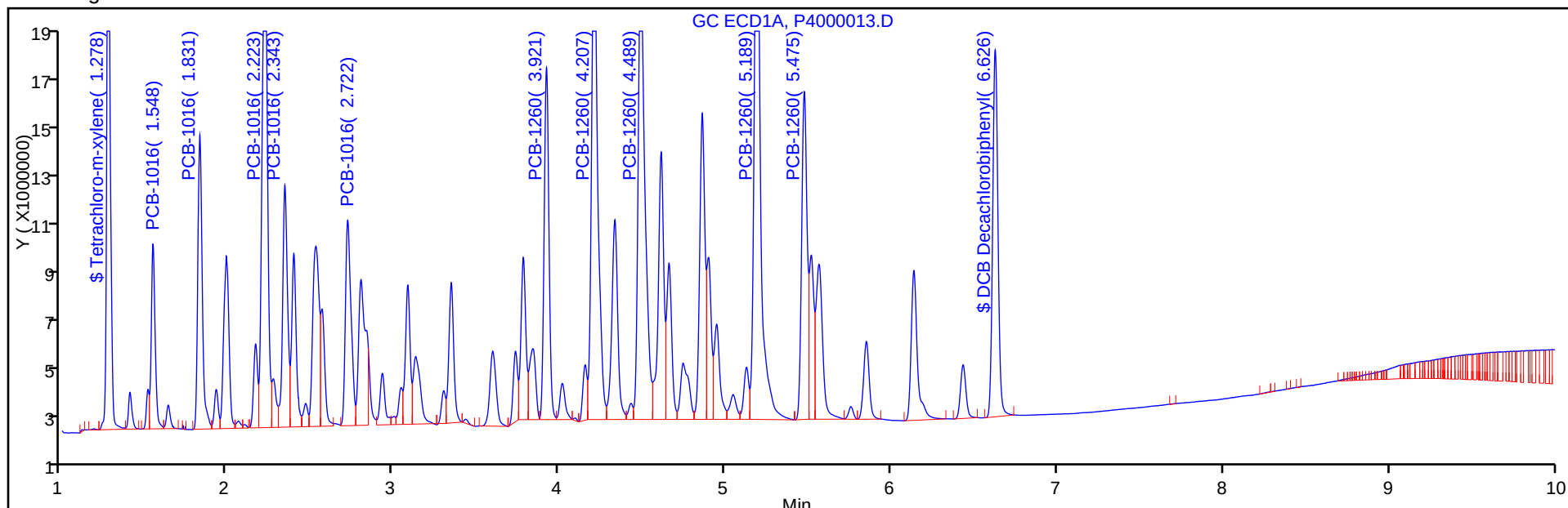
Operator ID:

Injection Vol: 1.0 uL

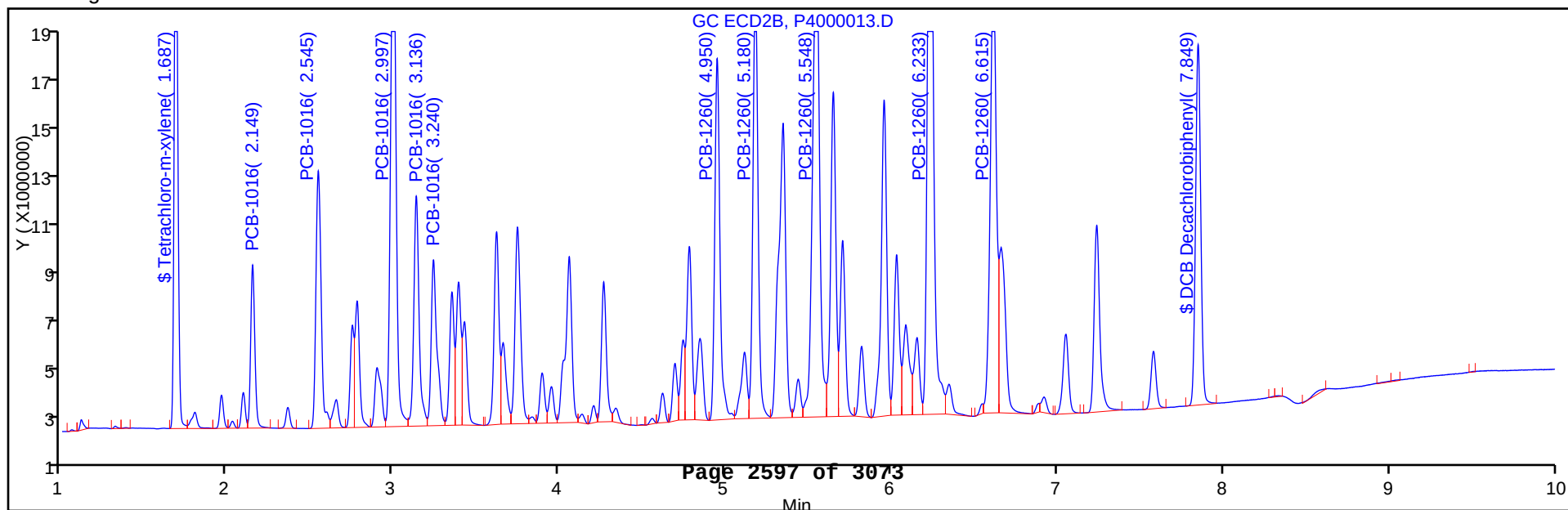
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130419-19070.b\P4000013.D

Injection Date: 20-Apr-2013 00:34:33

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP4

Lims Batch ID: 82762

Lims Sample ID: 13

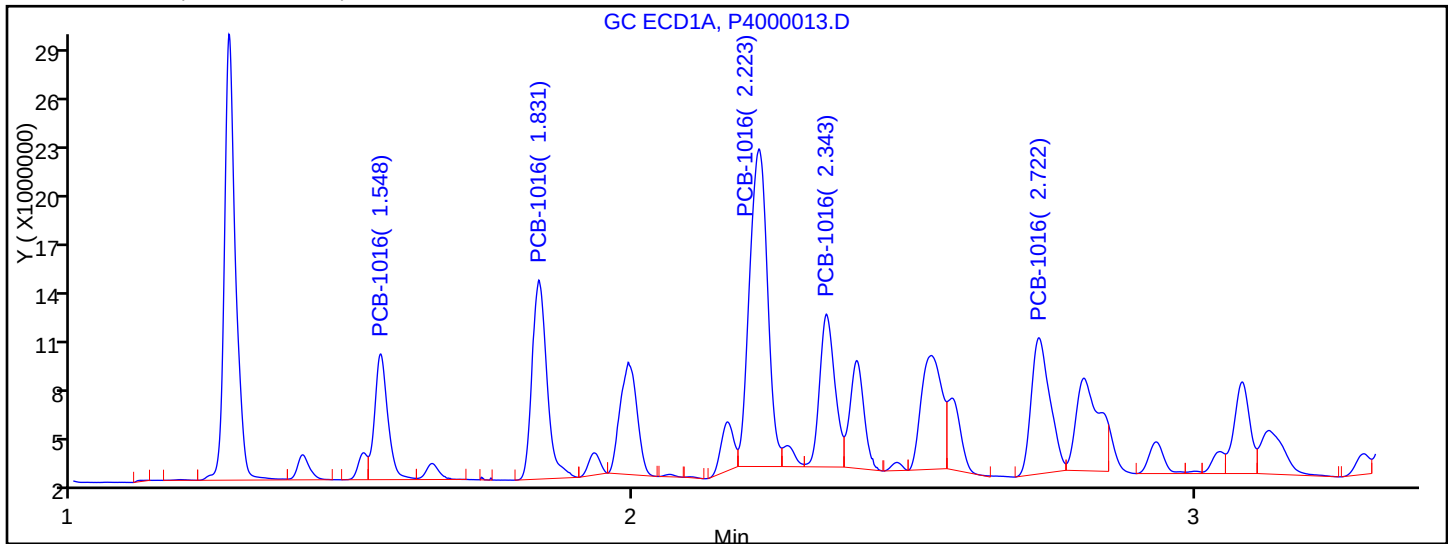
Operator ID:

Injection Vol: 1.0 uL

Column Type:

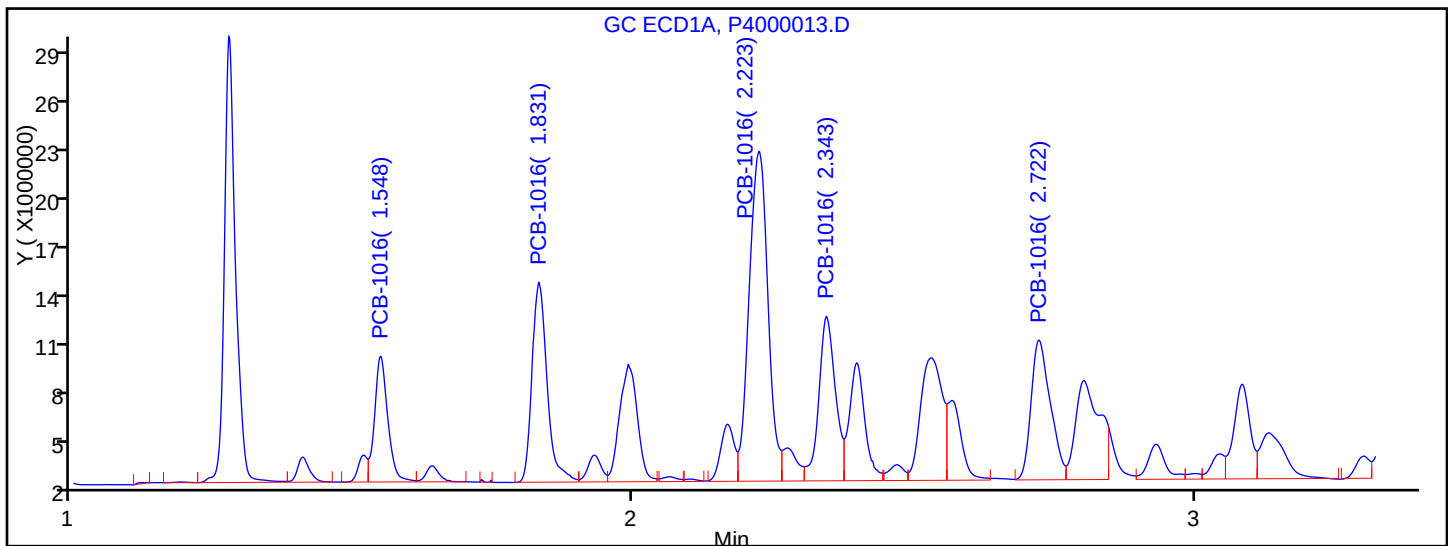
Column Dia:

6 PCB-1016, Detector: 1, GC ECD1A



Processing Integration Results

RT = 1.548	Response = 12719332	
RT = 1.831	Response = 22747653	M
RT = 2.223	Response = 44090498	M
RT = 2.343	Response = 17913180	M
RT = 2.722	Response = 19466168	M



Manual Integration Results

RT = 1.548	Response = 12719332	
RT = 1.831	Response = 23194216	M
RT = 2.223	Response = 47663671	M
RT = 2.343	Response = 20955833	M
RT = 2.722	Response = 20749850	M

Reviewer: hassl, 22-Apr-2013 12:46:59

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22852-1
 SDG No.: _____
 Lab Sample ID: CCV 240-82762/13 Calibration Date: 04/20/2013 00:34
 Instrument ID: A2HP4 Calib Start Date: 04/15/2013 05:58
 GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 04/15/2013 07:16
 Lab File ID: P4000013.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	25648240	23937372		0.467	0.500	-6.7	20.0
PCB-1016 Peak 2	Ave	50771162	47911432		0.472	0.500	-5.6	20.0
PCB-1016 Peak 3	Ave	99379492	100745226		0.507	0.500	1.4	20.0
PCB-1016 Peak 4	Ave	44018240	42895480		0.487	0.500	-2.6	20.0
PCB-1016 Peak 5	Ave	34251515	33903620		0.495	0.500	-1.0	20.0
PCB-1260 Peak 1	Ave	68786213	66651686		0.484	0.500	-3.1	20.0
PCB-1260 Peak 2	Ave	79832052	78445308		0.491	0.500	-1.7	20.0
PCB-1260 Peak 3	Ave	118169923	119748578		0.507	0.500	1.3	20.0
PCB-1260 Peak 4	Ave	145808797	148658742		0.510	0.500	2.0	20.0
PCB-1260 Peak 5	Ave	96662928	97046620		0.502	0.500	0.4	20.0
Tetrachloro-m-xylene	Ave	1577823383	1501080040		0.0238	0.0250	-4.9	20.0
DCB Decachlorobiphenyl	Ave	1456619055	1325290800		0.0227	0.0250	-9.0	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22852-1
 SDG No.: _____
 Lab Sample ID: CCV 240-82762/13 Calibration Date: 04/20/2013 00:34
 Instrument ID: A2HP4 Calib Start Date: 04/15/2013 05:58
 GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 04/15/2013 07:16
 Lab File ID: P4000013.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.15	2.05	2.25
PCB-1016 Peak 2	2.55	2.45	2.65
PCB-1016 Peak 3	3.00	2.90	3.10
PCB-1016 Peak 4	3.14	3.04	3.24
PCB-1016 Peak 5	3.24	3.14	3.34
PCB-1260 Peak 1	4.95	4.85	5.05
PCB-1260 Peak 2	5.18	5.08	5.28
PCB-1260 Peak 3	5.55	5.45	5.65
PCB-1260 Peak 4	6.23	6.13	6.33
PCB-1260 Peak 5	6.62	6.52	6.72
Tetrachloro-m-xylene	1.69	1.59	1.79
DCB Decachlorobiphenyl	7.85	7.75	7.95

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130419-19070.b\P4000013.D
 Lims ID: CCV AR1660 Client ID:
 Inject. Date: 20-Apr-2013 00:34:33 Dil. Factor: 1.0000
 Sample Type: CCV
 Sample ID: 240-0019070-013
 Misc. Info.:
 Operator: Instrument ID: A2HP4
 Injection Vol: 1.0 uL ALS Bottle#: 13
 Lims Batch ID: 82762 Lims Sample ID: 13
 Sublist: chrom-PCB4*sub5
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\Ncchrom\ChromData\A2HP4\20130419-19070.b\PCB4.m
 Last Update: 22-Apr-2013 12:47:38 Calib Date: 15-Apr-2013 10:24:45
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK003

First Level Reviewer: hassl

Date: 22-Apr-2013 12:46:59

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

\$ 2 Tetrachloro-m-xylene

1	44	1.278	1.278	0.000	38192982	0.0241			
2	2	1.687	1.687	0.000	37527001	0.0238			

RPD = 1.39

6 PCB-1016

1	100	1.548	1.548	0.000	12719332	0.4687		100.0	
1	2	1.831	1.831	0.000	23194216	0.4737	156.0- 206.0	182.4	M
1	3	2.223	2.223	0.000	47663671	0.5101	312.4- 362.4	374.7	M
1	4	2.343	2.343	0.000	20955833	0.4994	118.7- 188.7	164.8	M
1	5	2.722	2.722	0.000	20749850	0.4894	125.6- 175.6	163.1	M
		Average of Peak Amounts =				0.4883			
2	6	2.149	2.149	0.000	11968686	0.4666		100.0	
2	7	2.545	2.545	0.000	23955716	0.4718	169.6- 229.6	200.2	
2	8	2.997	2.997	0.000	50372613	0.5069	351.4- 411.4	420.9	
2	9	3.136	3.136	0.000	21447740	0.4872	141.3- 201.3	179.2	
2	10	3.240	3.240	0.000	16951810	0.4949	102.5- 162.5	141.6	
		Average of Peak Amounts =				0.4855			

RPD = 0.56

Data File: \\Ncchrom\ChromData\A2HP4\20130419-19070.b\P4000013.D

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

10 PCB-1260

1	100	3.921	3.921	0.000	29886277	0.4789		100.0	
1	2	4.207	4.207	0.000	55140542	0.5007	152.2- 202.2	184.5	
1	3	4.489	4.489	0.000	55799584	0.5183	146.4- 196.4	186.7	
1	4	5.189	5.189	0.000	66969630	0.5176	180.7- 230.7	224.1	
1	5	5.475	5.475	0.000	31477278	0.5404	64.1- 114.1	105.3	

Average of Peak Amounts = 0.5112

2	6	4.950	4.950	0.000	33325843	0.4845		100.0	
2	7	5.180	5.180	0.000	39222654	0.4913	87.6- 147.6	117.7	
2	8	5.548	5.548	0.000	59874289	0.5067	144.7- 204.7	179.7	
2	9	6.233	6.233	0.000	74329371	0.5098	187.7- 247.7	223.0	
2	10	6.615	6.615	0.000	48523310	0.5020	115.0- 175.0	145.6	

Average of Peak Amounts = 0.4988

RPD = 2.44

\$ 12 DCB Decachlorobiphenyl

1	100	6.626	6.626	0.000	34307147	0.0257			
2	2	7.849	7.849	0.000	33132270	0.0227			

RPD = 12.17

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 22-Apr-2013 12:47:39

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130419-19070.b\P4000013.D

Injection Date: 20-Apr-2013 00:34:33

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP4

Lims Batch ID: 82762

Lims Sample ID: 13

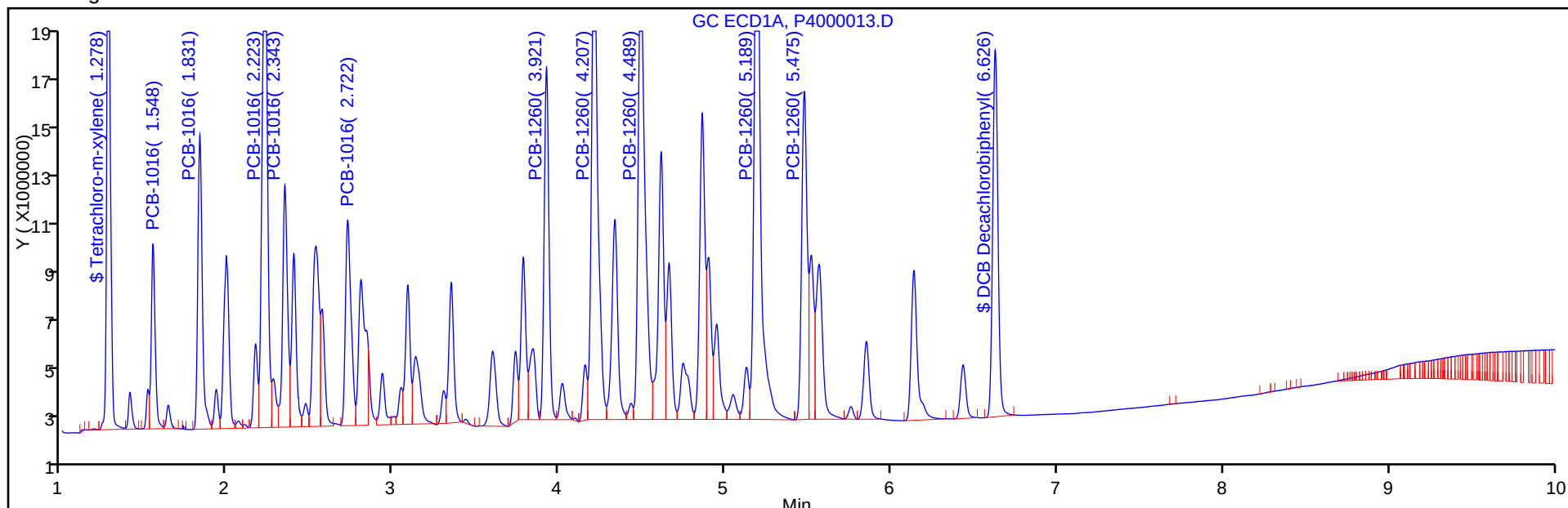
Operator ID:

Injection Vol: 1.0 uL

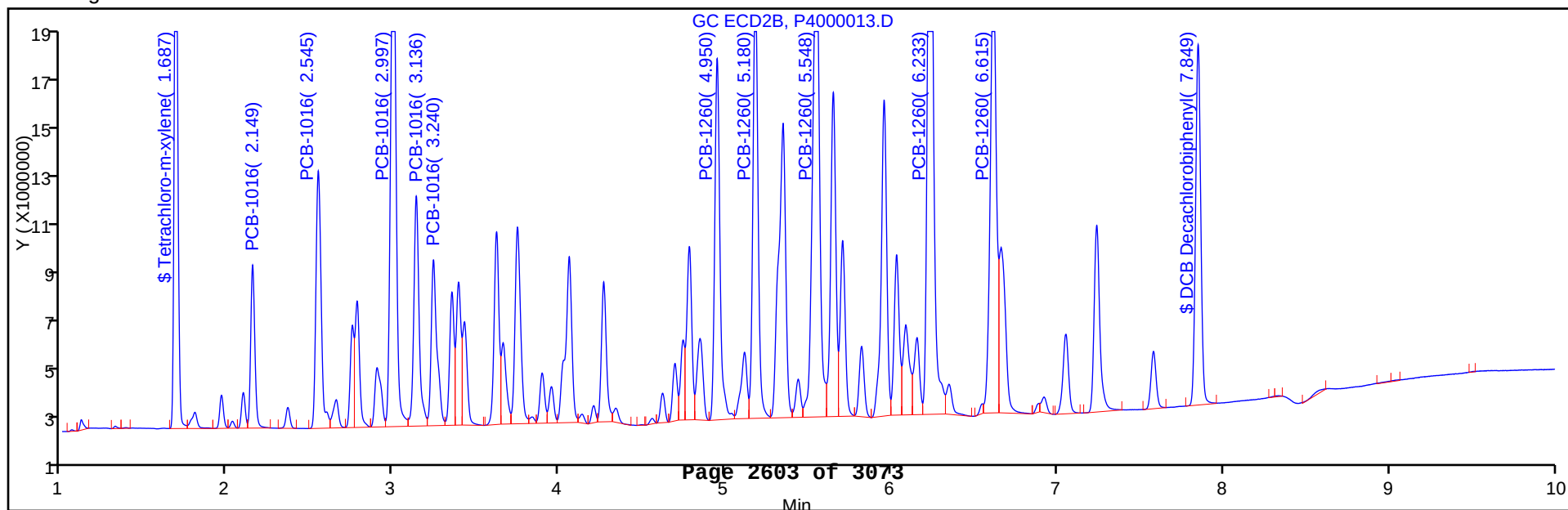
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22852-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 240-81730/20-A
Matrix: Solid Lab File ID: P4000013.D
Analysis Method: 8082/DOD Date Collected: _____
Extraction Method: 3540C Date Extracted: 04/12/2013 11:18
Sample wt/vol: 30.00(g) Date Analyzed: 04/18/2013 12:13
Con. Extract Vol.: 10(mL) Dilution Factor: 1
Injection Volume: 1(uL) GC Column: CLP-1 ID: 0.53(mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 82363 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	60		40-140
2051-24-3	DCB Decachlorobiphenyl	262	Q	60-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130417-18971.b\P4000013.D
 Lims ID: MB 240-81730/20-A Client ID:
 Inject. Date: 18-Apr-2013 12:13:34 Dil. Factor: 1.0000
 Sample Type: MB
 Sample ID: 240-0018971-013
 Misc. Info.:
 Operator: Instrument ID: A2HP4
 Injection Vol: 1.0 uL ALS Bottle#: 13
 Lims Batch ID: 82363 Lims Sample ID: 13
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\Ncchrom\ChromData\A2HP4\20130417-18971.b\PCB4.m
 Last Update: 19-Apr-2013 14:47:51 Calib Date: 15-Apr-2013 10:24:45
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK027

First Level Reviewer: hassl

Date: 19-Apr-2013 14:42:47

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

S 1 Polychlorinated biphenyls, Total

1 100 1.000

\$ 2 Tetrachloro-m-xylene

1 44 1.275 1.276 -0.001 19126405 0.0121

2 2 1.682 1.682 0.000 18602148 0.0118

RPD = 2.41

3 PCB-1221

1 2 1.405

1 3 1.515

1 4 1.544

2 4 1.957

2 5 2.089

2 6 2.145

4 PCB-1232

1 100 1.543

1 2 1.826

1 3 2.217

1 4 2.337

1 5 2.716

2 6 2.143

2 7 2.538

2 8 2.990

2 9 3.129

2 10 3.738

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

5 PCB-1242

1	100	1.544
1	2	1.826
1	3	2.218
1	4	2.338
1	5	2.717
2	6	2.143
2	7	2.539
2	8	2.991
2	9	3.129
2	10	3.738

6 PCB-1016

1	100	1.545
1	2	1.827
1	3	2.221
1	4	2.340
1	5	2.717
2	6	2.145
2	7	2.541
2	8	2.992
2	9	3.131
2	10	3.234

7 PCB-1248

1	86	1.825
1	2	2.216
1	3	2.716
1	4	3.293
1	5	3.726
2	6	2.538
2	7	2.990
2	8	3.739
2	9	4.013
2	10	4.735

8 PCB-1254

1	100	3.340
1	2	3.727
1	3	4.010
1	4	4.199
1	5	4.483
2	6	4.260
2	7	4.735
2	8	4.980
2	9	5.341
2	10	5.543

Data File: \\Ncchrom\ChromData\A2HP4\20130417-18971.b\P4000013.D

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

10 PCB-1260

1	100		3.916						
1	2		4.201						
1	3		4.482						
1	4		5.182						
1	5		5.467						
2	6		4.943						
2	7		5.173						
2	8		5.542						
2	9		6.226						
2	10		6.607						

9 PCB-1262

1	100		4.203						
1	2		4.605						
1	3		4.851						
1	4		5.180						
1	5		5.554						
2	6		5.173						
2	7		5.643						
2	8		5.949						
2	9		6.225						
2	10		6.605						

11 PCB-1268

1	100		5.511						
1	2		5.550						
1	3		5.749						
1	4		6.126						
1	5		6.423						
2	6		6.601						
2	7		6.649						
2	8		6.912						
2	9		7.228						
2	10		7.570						

\$ 12 DCB Decachlorobiphenyl

1	100	6.626	6.620	0.006	69952065	0.0524			
2	2	7.842	7.841	0.001	18202125	0.0125			

RPD = 122.97

Report Date: 19-Apr-2013 14:47:52

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130417-18971.b\P4000013.D

Injection Date: 18-Apr-2013 12:13:34

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP4

Lims Batch ID: 82363

Lims Sample ID: 13

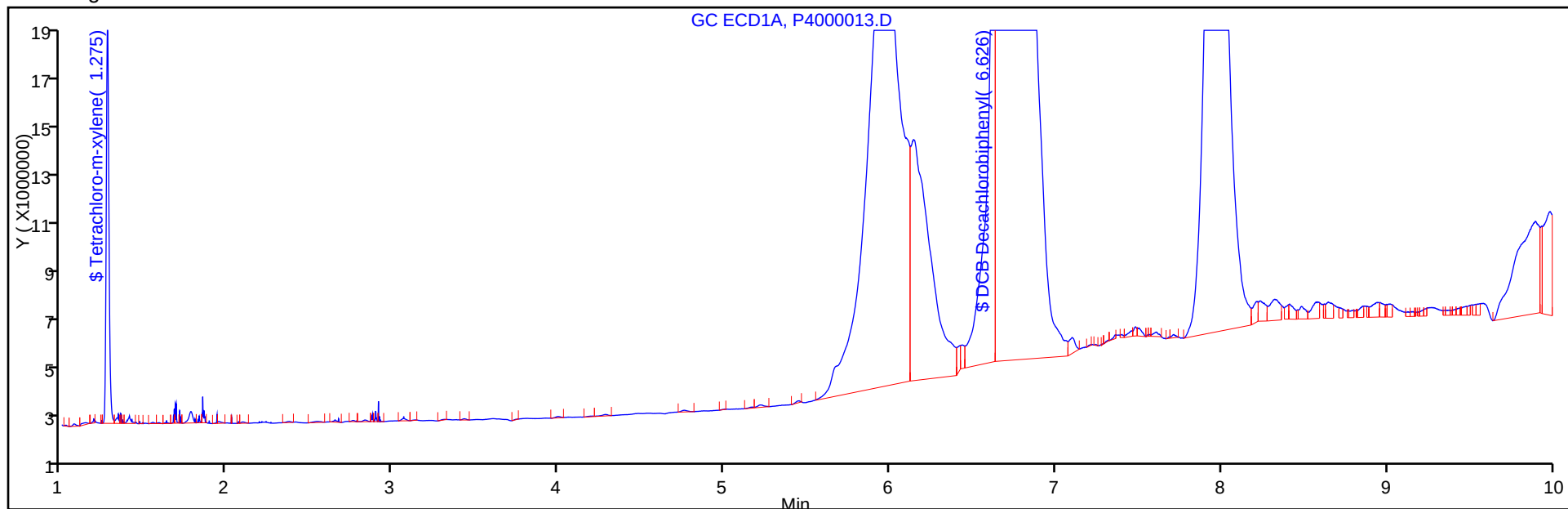
Operator ID:

Injection Vol: 1.0 uL

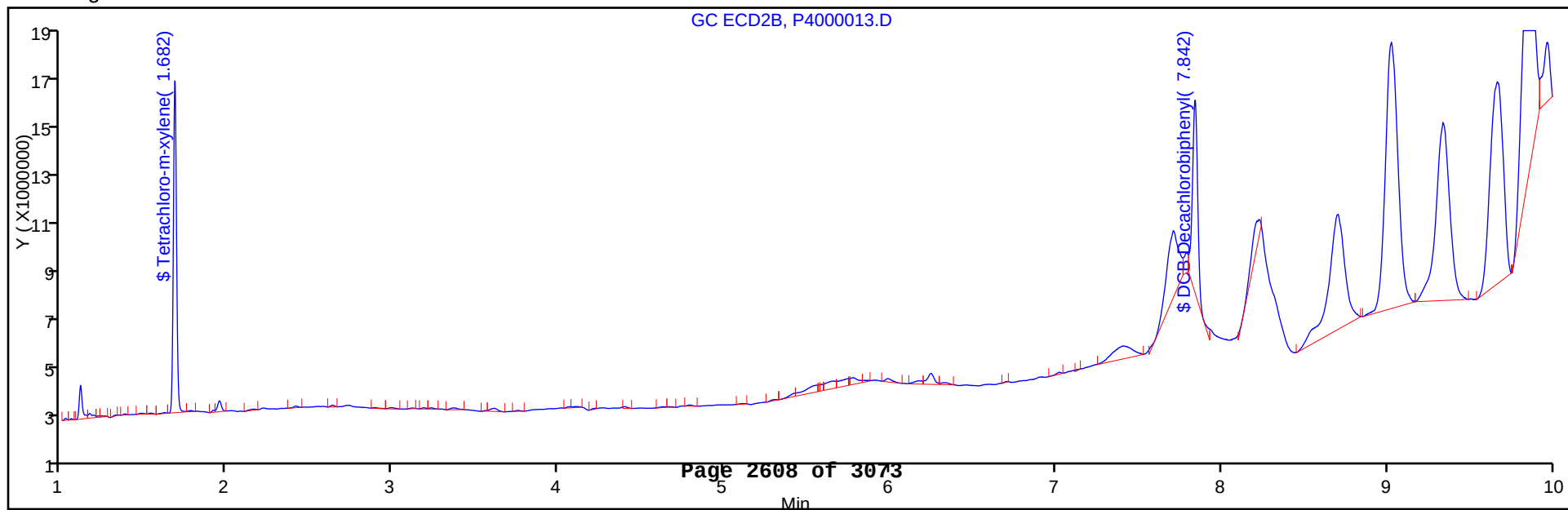
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22852-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 240-81730/20-A

Matrix: Solid Lab File ID: P4000013.D

Analysis Method: 8082/DOD Date Collected: _____

Extraction Method: 3540C Date Extracted: 04/12/2013 11:18

Sample wt/vol: 30.00(g) Date Analyzed: 04/18/2013 12:13

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

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

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

Analysis Batch No.: 82363 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	59		40-140
2051-24-3	DCB Decachlorobiphenyl	62		60-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130417-18971.b\P4000013.D
 Lims ID: MB 240-81730/20-A Client ID:
 Inject. Date: 18-Apr-2013 12:13:34 Dil. Factor: 1.0000
 Sample Type: MB
 Sample ID: 240-0018971-013
 Misc. Info.:
 Operator: Instrument ID: A2HP4
 Injection Vol: 1.0 uL ALS Bottle#: 13
 Lims Batch ID: 82363 Lims Sample ID: 13
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\Ncchrom\ChromData\A2HP4\20130417-18971.b\PCB4.m
 Last Update: 19-Apr-2013 14:47:51 Calib Date: 15-Apr-2013 10:24:45
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK027

First Level Reviewer: hassl

Date: 19-Apr-2013 14:42:47

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

S 1 Polychlorinated biphenyls, Total

1 100 1.000

\$ 2 Tetrachloro-m-xylene

1 44 1.275 1.276 -0.001 19126405 0.0121

2 2 1.682 1.682 0.000 18602148 0.0118

RPD = 2.41

3 PCB-1221

1 2 1.405

1 3 1.515

1 4 1.544

2 4 1.957

2 5 2.089

2 6 2.145

4 PCB-1232

1 100 1.543

1 2 1.826

1 3 2.217

1 4 2.337

1 5 2.716

2 6 2.143

2 7 2.538

2 8 2.990

2 9 3.129

2 10 3.738

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									
1	100		1.544						
1	2		1.826						
1	3		2.218						
1	4		2.338						
1	5		2.717						
2	6		2.143						
2	7		2.539						
2	8		2.991						
2	9		3.129						
2	10		3.738						
6 PCB-1016									
1	100		1.545						
1	2		1.827						
1	3		2.221						
1	4		2.340						
1	5		2.717						
2	6		2.145						
2	7		2.541						
2	8		2.992						
2	9		3.131						
2	10		3.234						
7 PCB-1248									
1	86		1.825						
1	2		2.216						
1	3		2.716						
1	4		3.293						
1	5		3.726						
2	6		2.538						
2	7		2.990						
2	8		3.739						
2	9		4.013						
2	10		4.735						
8 PCB-1254									
1	100		3.340						
1	2		3.727						
1	3		4.010						
1	4		4.199						
1	5		4.483						
2	6		4.260						
2	7		4.735						
2	8		4.980						
2	9		5.341						
2	10		5.543						

Data File: \\Ncchrom\ChromData\A2HP4\20130417-18971.b\P4000013.D

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

10 PCB-1260

1	100		3.916						
1	2		4.201						
1	3		4.482						
1	4		5.182						
1	5		5.467						
2	6		4.943						
2	7		5.173						
2	8		5.542						
2	9		6.226						
2	10		6.607						

9 PCB-1262

1	100		4.203						
1	2		4.605						
1	3		4.851						
1	4		5.180						
1	5		5.554						
2	6		5.173						
2	7		5.643						
2	8		5.949						
2	9		6.225						
2	10		6.605						

11 PCB-1268

1	100		5.511						
1	2		5.550						
1	3		5.749						
1	4		6.126						
1	5		6.423						
2	6		6.601						
2	7		6.649						
2	8		6.912						
2	9		7.228						
2	10		7.570						

\$ 12 DCB Decachlorobiphenyl

1	100	6.626	6.620	0.006	69952065	0.0524
2	2	7.842	7.841	0.001	18202125	0.0125

RPD = 122.97

Report Date: 19-Apr-2013 14:47:53

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130417-18971.b\P4000013.D

Injection Date: 18-Apr-2013 12:13:34

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP4

Lims Batch ID: 82363

Lims Sample ID: 13

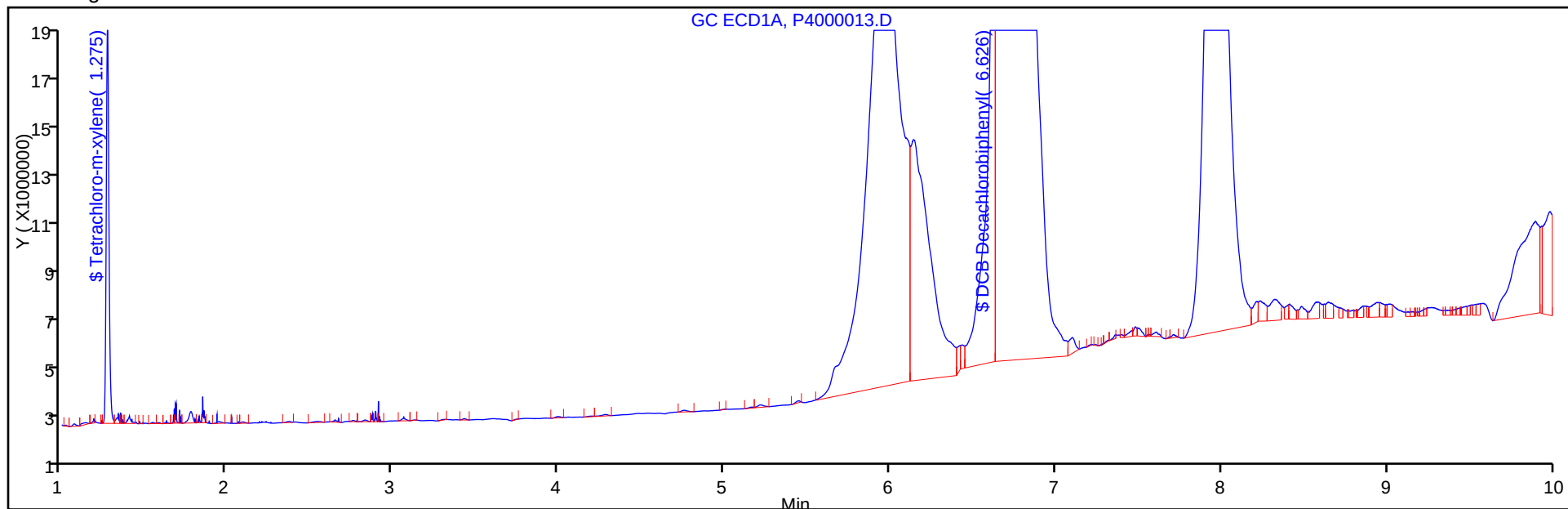
Operator ID:

Injection Vol: 1.0 uL

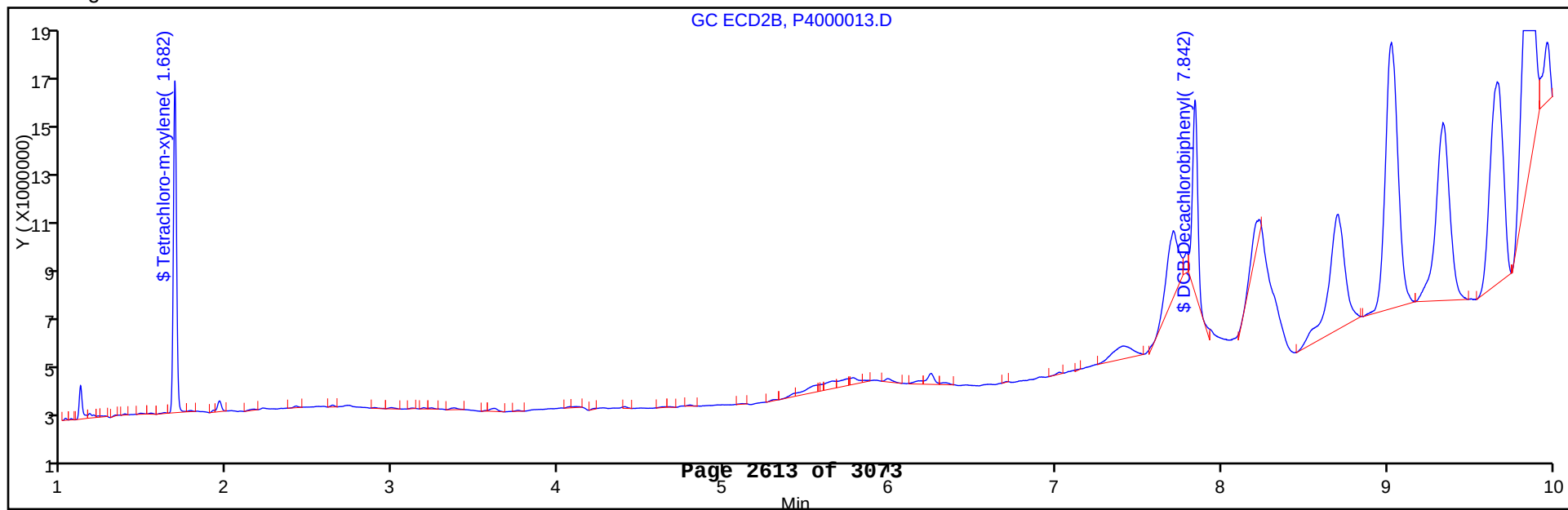
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22852-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 240-81915/22-A
Matrix: Solid Lab File ID: P4000009.D
Analysis Method: 8082/DOD Date Collected: _____
Extraction Method: 3540C Date Extracted: 04/15/2013 09:45
Sample wt/vol: 30.00(g) Date Analyzed: 04/17/2013 18:50
Con. Extract Vol.: 10.0(mL) Dilution Factor: 1
Injection Volume: 1(uL) GC Column: CLP-1 ID: 0.53(mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 82392 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	75		40-140
2051-24-3	DCB Decachlorobiphenyl	88		60-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130417-18977.b\P4000009.D
 Lims ID: MB 240-81915/22-A Client ID:
 Inject. Date: 17-Apr-2013 18:50:51 Dil. Factor: 1.0000
 Sample Type: MB
 Sample ID: 240-0018977-009

Misc. Info.:

Operator: Instrument ID: A2HP4
 Injection Vol: 1.0 uL ALS Bottle#: 9
 Lims Batch ID: 82392 Lims Sample ID: 9
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20130417-18977.b\PCB4.m
 Last Update: 18-Apr-2013 09:31:23 Calib Date: 15-Apr-2013 10:24:45
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK014

First Level Reviewer: hassl

Date: 18-Apr-2013 09:30:16

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

S 1 Polychlorinated biphenyls, Total

1	100	1.000
---	-----	-------

\$ 2 Tetrachloro-m-xylene

1	44	1.276	1.275	0.001	23739592	0.0150
2	2	1.684	1.683	0.001	23758529	0.0151

RPD = 0.45

3 PCB-1221

1	2	1.406
1	3	1.514
1	4	1.543
2	4	1.956
2	5	2.087
2	6	2.144

4 PCB-1232

1	100	1.543
1	2	1.824
1	3	2.216
1	4	2.336
1	5	2.714
2	6	2.143
2	7	2.538
2	8	2.989
2	9	3.128
2	10	3.736

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

5 PCB-1242

1	100	1.543
1	2	1.825
1	3	2.216
1	4	2.336
1	5	2.715
2	6	2.142
2	7	2.538
2	8	2.990
2	9	3.128
2	10	3.738

6 PCB-1016

1	100	1.545
1	2	1.828
1	3	2.219
1	4	2.340
1	5	2.718
2	6	2.145
2	7	2.541
2	8	2.992
2	9	3.130
2	10	3.234

7 PCB-1248

1	86	1.824
1	2	2.215
1	3	2.715
1	4	3.292
1	5	3.725
2	6	2.538
2	7	2.989
2	8	3.737
2	9	4.013
2	10	4.735

8 PCB-1254

1	100	3.339
1	2	3.725
1	3	4.008
1	4	4.197
1	5	4.480
2	6	4.258
2	7	4.734
2	8	4.979
2	9	5.340
2	10	5.541

Data File: \\Ncchrom\ChromData\A2HP4\20130417-18977.b\P4000009.D

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

10 PCB-1260

1	100		3.915						
1	2		4.201						
1	3		4.482						
1	4		5.181						
1	5		5.465						
2	6		4.942						
2	7		5.171						
2	8		5.540						
2	9		6.225						
2	10		6.606						

9 PCB-1262

1	100		4.202						
1	2		4.604						
1	3		4.850						
1	4		5.179						
1	5		5.553						
2	6		5.171						
2	7		5.642						
2	8		5.947						
2	9		6.223						
2	10		6.602						

11 PCB-1268

1	100		5.511						
1	2		5.548						
1	3		5.747						
1	4		6.124						
1	5		6.422						
2	6		6.601						
2	7		6.649						
2	8		6.912						
2	9		7.228						
2	10		7.571						

\$ 12 DCB Decachlorobiphenyl

1	100	6.619	6.619	0.000	23482119	0.0176			
2	2	7.843	7.840	0.003	23958621	0.0164			

RPD = 6.69

Report Date: 18-Apr-2013 09:31:34

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130417-18977.b\P4000009.D

Injection Date: 17-Apr-2013 18:50:51

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP4

Lims Batch ID: 82392

Lims Sample ID: 9

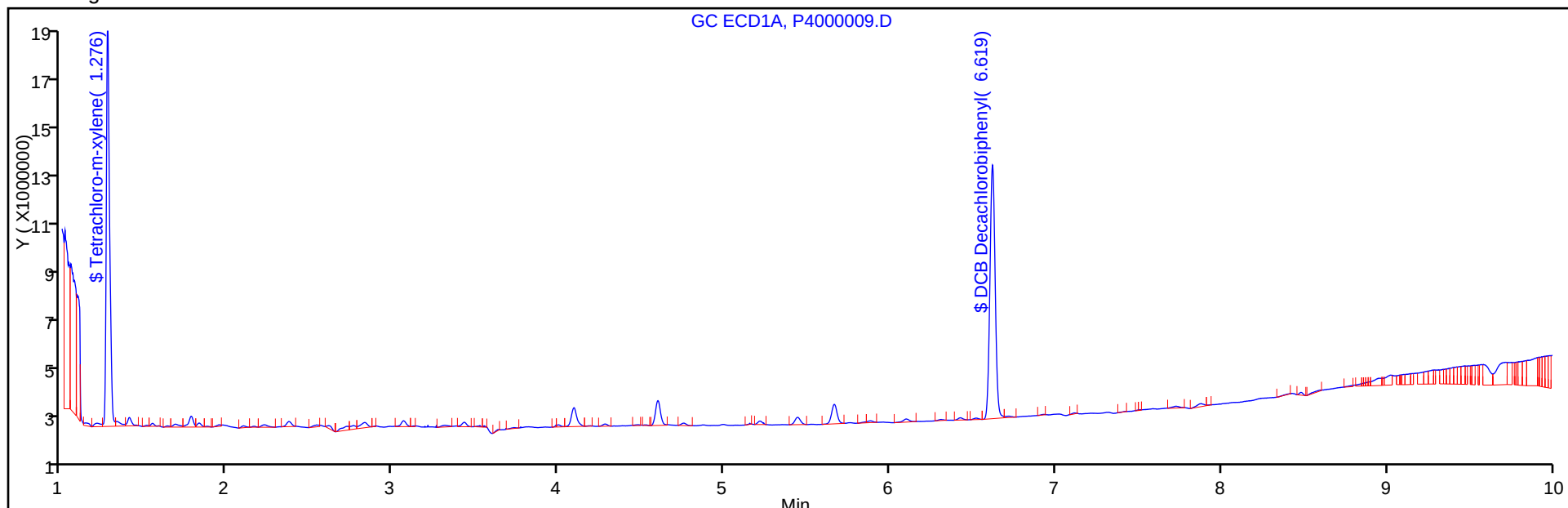
Operator ID:

Injection Vol: 1.0 uL

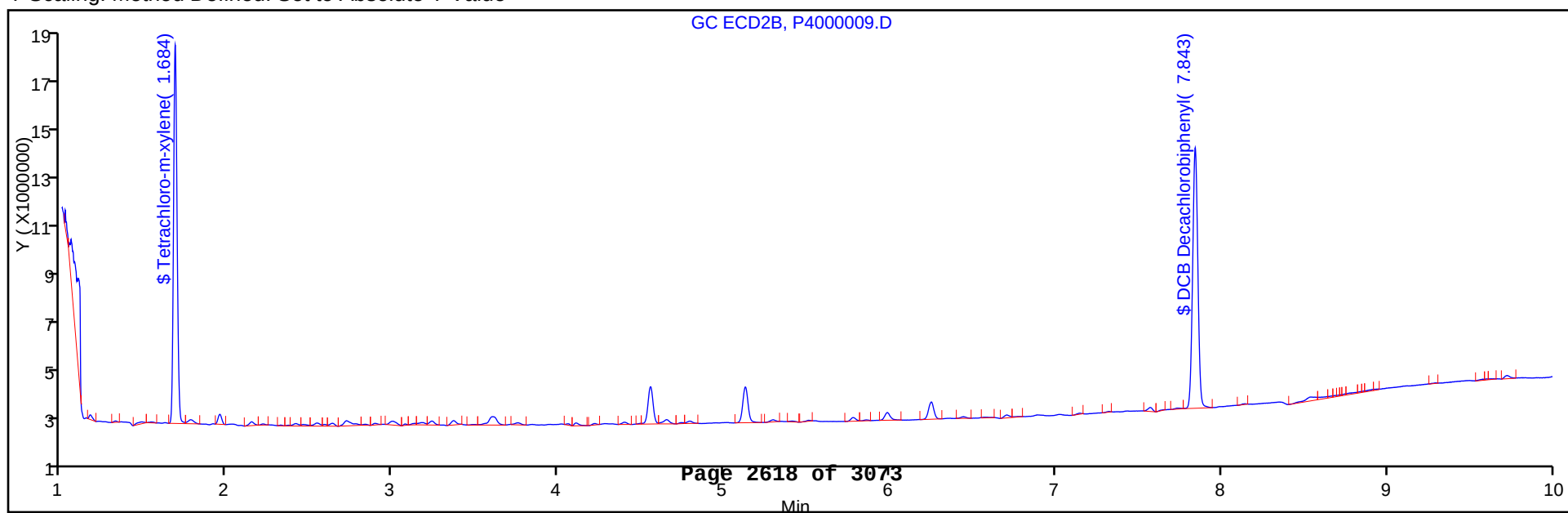
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22852-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 240-81915/22-A

Matrix: Solid Lab File ID: P4000009.D

Analysis Method: 8082/DOD Date Collected: _____

Extraction Method: 3540C Date Extracted: 04/15/2013 09:45

Sample wt/vol: 30.00(g) Date Analyzed: 04/17/2013 18:50

Con. Extract Vol.: 10.0(mL) Dilution Factor: 1

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

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

Analysis Batch No.: 82392 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	75		40-140
2051-24-3	DCB Decachlorobiphenyl	82		60-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130417-18977.b\P4000009.D
 Lims ID: MB 240-81915/22-A Client ID:
 Inject. Date: 17-Apr-2013 18:50:51 Dil. Factor: 1.0000
 Sample Type: MB
 Sample ID: 240-0018977-009

Misc. Info.:

Operator: Instrument ID: A2HP4
 Injection Vol: 1.0 uL ALS Bottle#: 9
 Lims Batch ID: 82392 Lims Sample ID: 9
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20130417-18977.b\PCB4.m
 Last Update: 18-Apr-2013 09:31:23 Calib Date: 15-Apr-2013 10:24:45
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK014

First Level Reviewer: hassl

Date: 18-Apr-2013 09:30:16

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

S 1 Polychlorinated biphenyls, Total

1	100	1.000
---	-----	-------

\$ 2 Tetrachloro-m-xylene

1	44	1.276	1.275	0.001	23739592	0.0150
2	2	1.684	1.683	0.001	23758529	0.0151

RPD = 0.45

3 PCB-1221

1	2	1.406
1	3	1.514
1	4	1.543
2	4	1.956
2	5	2.087
2	6	2.144

4 PCB-1232

1	100	1.543
1	2	1.824
1	3	2.216
1	4	2.336
1	5	2.714
2	6	2.143
2	7	2.538
2	8	2.989
2	9	3.128
2	10	3.736

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

5 PCB-1242

1	100	1.543
1	2	1.825
1	3	2.216
1	4	2.336
1	5	2.715
2	6	2.142
2	7	2.538
2	8	2.990
2	9	3.128
2	10	3.738

6 PCB-1016

1	100	1.545
1	2	1.828
1	3	2.219
1	4	2.340
1	5	2.718
2	6	2.145
2	7	2.541
2	8	2.992
2	9	3.130
2	10	3.234

7 PCB-1248

1	86	1.824
1	2	2.215
1	3	2.715
1	4	3.292
1	5	3.725
2	6	2.538
2	7	2.989
2	8	3.737
2	9	4.013
2	10	4.735

8 PCB-1254

1	100	3.339
1	2	3.725
1	3	4.008
1	4	4.197
1	5	4.480
2	6	4.258
2	7	4.734
2	8	4.979
2	9	5.340
2	10	5.541

Data File: \\Ncchrom\ChromData\A2HP4\20130417-18977.b\P4000009.D

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

10 PCB-1260

1	100		3.915						
1	2		4.201						
1	3		4.482						
1	4		5.181						
1	5		5.465						
2	6		4.942						
2	7		5.171						
2	8		5.540						
2	9		6.225						
2	10		6.606						

9 PCB-1262

1	100		4.202						
1	2		4.604						
1	3		4.850						
1	4		5.179						
1	5		5.553						
2	6		5.171						
2	7		5.642						
2	8		5.947						
2	9		6.223						
2	10		6.602						

11 PCB-1268

1	100		5.511						
1	2		5.548						
1	3		5.747						
1	4		6.124						
1	5		6.422						
2	6		6.601						
2	7		6.649						
2	8		6.912						
2	9		7.228						
2	10		7.571						

\$ 12 DCB Decachlorobiphenyl

1	100	6.619	6.619	0.000	23482119	0.0176			
2	2	7.843	7.840	0.003	23958621	0.0164			

RPD = 6.69

Report Date: 18-Apr-2013 09:31:34

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130417-18977.b\P4000009.D

Injection Date: 17-Apr-2013 18:50:51

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP4

Lims Batch ID: 82392

Lims Sample ID: 9

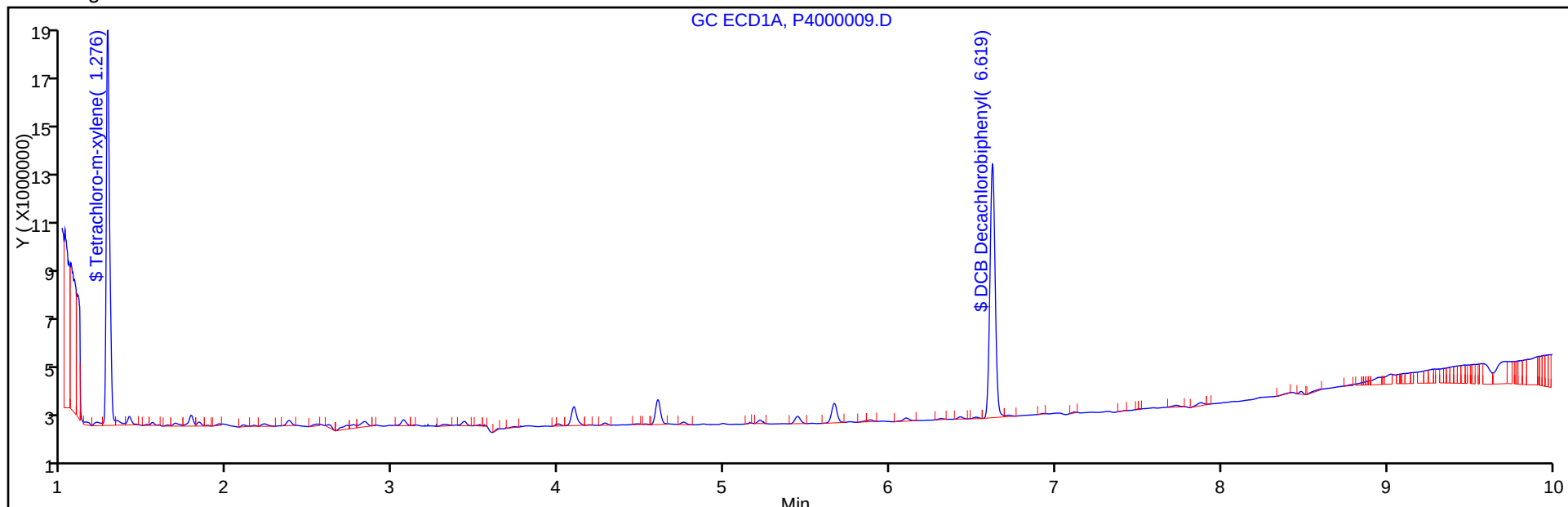
Operator ID:

Injection Vol: 1.0 uL

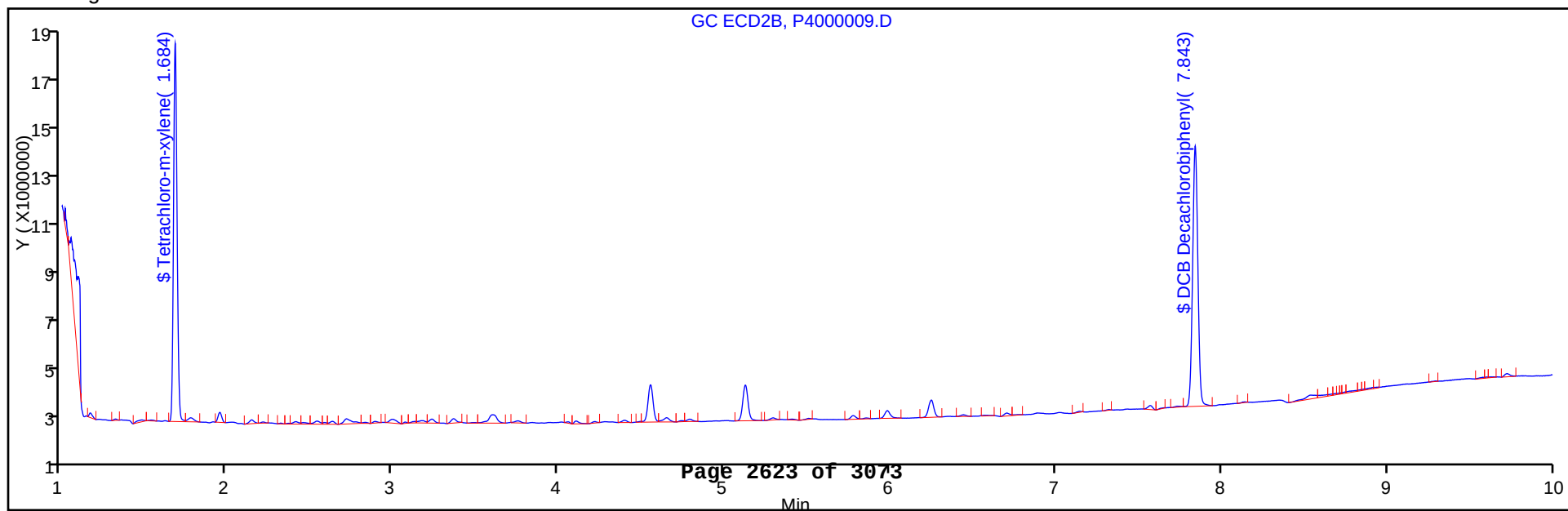
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22852-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: LCS 240-81730/21-A
Matrix: Solid Lab File ID: P4000024.D
Analysis Method: 8082/DOD Date Collected: _____
Extraction Method: 3540C Date Extracted: 04/12/2013 11:18
Sample wt/vol: 30.00(g) Date Analyzed: 04/18/2013 15:05
Con. Extract Vol.: 10(mL) Dilution Factor: 1
Injection Volume: 1(uL) GC Column: CLP-1 ID: 0.53(mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 82363 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	77		40-140
2051-24-3	DCB Decachlorobiphenyl	88		60-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130417-18971.b\P4000024.D
 Lims ID: LCS 240-81730/21-A Client ID:
 Inject. Date: 18-Apr-2013 15:05:44 Dil. Factor: 1.0000
 Sample Type: LCS
 Sample ID: 240-0018971-024

Misc. Info.:
 Operator: Instrument ID: A2HP4
 Injection Vol: 1.0 uL ALS Bottle#: 24
 Lims Batch ID: 82363 Lims Sample ID: 24
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20130417-18971.b\PCB4.m
 Last Update: 19-Apr-2013 14:48:03 Calib Date: 15-Apr-2013 10:24:45
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK027

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

\$ 2 Tetrachloro-m-xylene

1	44	1.277	1.275	0.002	24433068	0.0154			
2	2	1.683	1.683	0.000	25087942	0.0159			

RPD = 3.01

6 PCB-1016

1	100	1.546	1.545	0.001	19129369	0.7049		100.0	
1	2	1.827	1.827	0.000	38527018	0.7868	156.0- 206.0	201.4	
1	3	2.220	2.219	0.001	83888334	0.8978	312.4- 362.4	438.5	
1	4	2.341	2.339	0.002	36034411	0.8587	118.7- 188.7	188.4	
1	5	2.718	2.717	0.001	34339952	0.8099	125.6- 175.6	179.5	
Average of Peak Amounts =						0.8116			
2	6	2.146	2.145	0.001	18626554	0.7262		100.0	
2	7	2.542	2.541	0.001	37309844	0.7349	169.6- 229.6	200.3	
2	8	2.994	2.993	0.001	85134446	0.8567	351.4- 411.4	457.1	
2	9	3.132	3.131	0.001	34532866	0.7845	141.3- 201.3	185.4	
2	10	3.235	3.235	0.000	27694807	0.8086	102.5- 162.5	148.7	

Average of Peak Amounts = 0.7822

RPD = 3.70

Data File: \\Ncchrom\ChromData\A2HP4\20130417-18971.b\P4000024.D

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

10 PCB-1260

1	100	3.917	3.916	0.001	51938501	0.8323		100.0	
1	2	4.202	4.203	-0.001	95699517	0.8690	152.2- 202.2	184.3	
1	3	4.484	4.483	0.001	98839402	0.9180	146.4- 196.4	190.3	
1	4	5.183	5.184	-0.001	118276961	0.9142	180.7- 230.7	227.7	
1	5	5.467	5.467	0.000	58006497	1.00	64.1- 114.1	111.7	

Average of Peak Amounts = 0.9059

2	6	4.945	4.944	0.001	54671781	0.7948		100.0	
2	7	5.174	5.175	-0.001	63668379	0.7975	87.6- 147.6	116.5	
2	8	5.543	5.543	0.000	101803660	0.8615	144.7- 204.7	186.2	
2	9	6.228	6.228	0.000	129310267	0.8868	187.7- 247.7	236.5	
2	10	6.609	6.609	0.000	88493654	0.9155	115.0- 175.0	161.9	

Average of Peak Amounts = 0.8512

RPD = 6.22

\$ 12 DCB Decachlorobiphenyl

1	100	6.621	6.619	0.002	23446265	0.0176			
2	2	7.844	7.843	0.001	23460086	0.0161			

RPD = 8.64

Report Date: 19-Apr-2013 14:48:05

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130417-18971.b\P4000024.D

Injection Date: 18-Apr-2013 15:05:44

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP4

Lims Batch ID: 82363

Lims Sample ID: 24

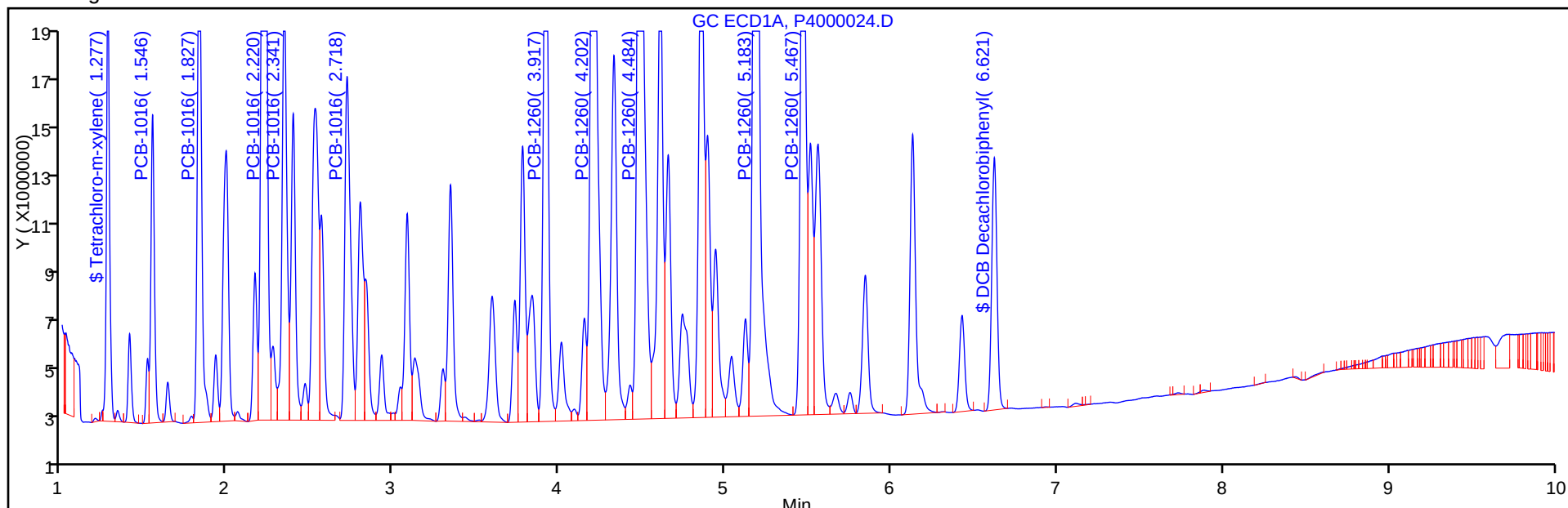
Operator ID:

Injection Vol: 1.0 uL

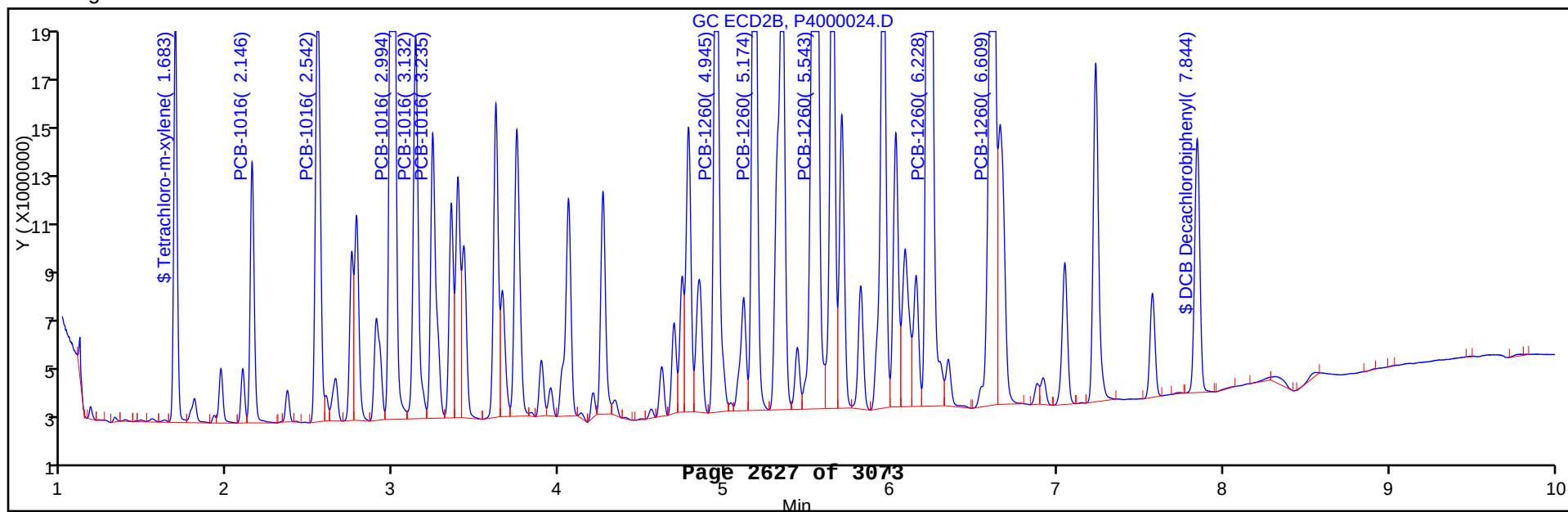
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22852-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 240-81730/21-A
 Matrix: Solid Lab File ID: P4000024.D
 Analysis Method: 8082/DOD Date Collected: _____
 Extraction Method: 3540C Date Extracted: 04/12/2013 11:18
 Sample wt/vol: 30.00(g) Date Analyzed: 04/18/2013 15:05
 Con. Extract Vol.: 10(mL) Dilution Factor: 1
 Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 82363 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
12674-11-2	Aroclor-1016	261		65	25	21
11096-82-5	Aroclor-1260	284		55	25	17

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	80		40-140
2051-24-3	DCB Decachlorobiphenyl	81		60-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130417-18971.b\P4000024.D
 Lims ID: LCS 240-81730/21-A Client ID:
 Inject. Date: 18-Apr-2013 15:05:44 Dil. Factor: 1.0000
 Sample Type: LCS
 Sample ID: 240-0018971-024
 Misc. Info.:
 Operator: Instrument ID: A2HP4
 Injection Vol: 1.0 uL ALS Bottle#: 24
 Lims Batch ID: 82363 Lims Sample ID: 24
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20130417-18971.b\PCB4.m
 Last Update: 19-Apr-2013 14:48:03 Calib Date: 15-Apr-2013 10:24:45
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK027

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

\$ 2 Tetrachloro-m-xylene

1	44	1.277	1.275	0.002	24433068	0.0154			
2	2	1.683	1.683	0.000	25087942	0.0159			

RPD = 3.01

6 PCB-1016

1	100	1.546	1.545	0.001	19129369	0.7049		100.0	
1	2	1.827	1.827	0.000	38527018	0.7868	156.0- 206.0	201.4	
1	3	2.220	2.219	0.001	83888334	0.8978	312.4- 362.4	438.5	
1	4	2.341	2.339	0.002	36034411	0.8587	118.7- 188.7	188.4	
1	5	2.718	2.717	0.001	34339952	0.8099	125.6- 175.6	179.5	
Average of Peak Amounts =						0.8116			
2	6	2.146	2.145	0.001	18626554	0.7262		100.0	
2	7	2.542	2.541	0.001	37309844	0.7349	169.6- 229.6	200.3	
2	8	2.994	2.993	0.001	85134446	0.8567	351.4- 411.4	457.1	
2	9	3.132	3.131	0.001	34532866	0.7845	141.3- 201.3	185.4	
2	10	3.235	3.235	0.000	27694807	0.8086	102.5- 162.5	148.7	
Average of Peak Amounts =						0.7822			

RPD = 3.70

Data File: \\Ncchrom\ChromData\A2HP4\20130417-18971.b\P4000024.D

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

10 PCB-1260

1	100	3.917	3.916	0.001	51938501	0.8323		100.0	
1	2	4.202	4.203	-0.001	95699517	0.8690	152.2- 202.2	184.3	
1	3	4.484	4.483	0.001	98839402	0.9180	146.4- 196.4	190.3	
1	4	5.183	5.184	-0.001	118276961	0.9142	180.7- 230.7	227.7	
1	5	5.467	5.467	0.000	58006497	1.00	64.1- 114.1	111.7	

Average of Peak Amounts = 0.9059

2	6	4.945	4.944	0.001	54671781	0.7948		100.0	
2	7	5.174	5.175	-0.001	63668379	0.7975	87.6- 147.6	116.5	
2	8	5.543	5.543	0.000	101803660	0.8615	144.7- 204.7	186.2	
2	9	6.228	6.228	0.000	129310267	0.8868	187.7- 247.7	236.5	
2	10	6.609	6.609	0.000	88493654	0.9155	115.0- 175.0	161.9	

Average of Peak Amounts = 0.8512

RPD = 6.22

\$ 12 DCB Decachlorobiphenyl

1	100	6.621	6.619	0.002	23446265	0.0176			
2	2	7.844	7.843	0.001	23460086	0.0161			

RPD = 8.64

Report Date: 19-Apr-2013 14:48:05

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130417-18971.b\P4000024.D

Injection Date: 18-Apr-2013 15:05:44

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP4

Lims Batch ID: 82363

Lims Sample ID: 24

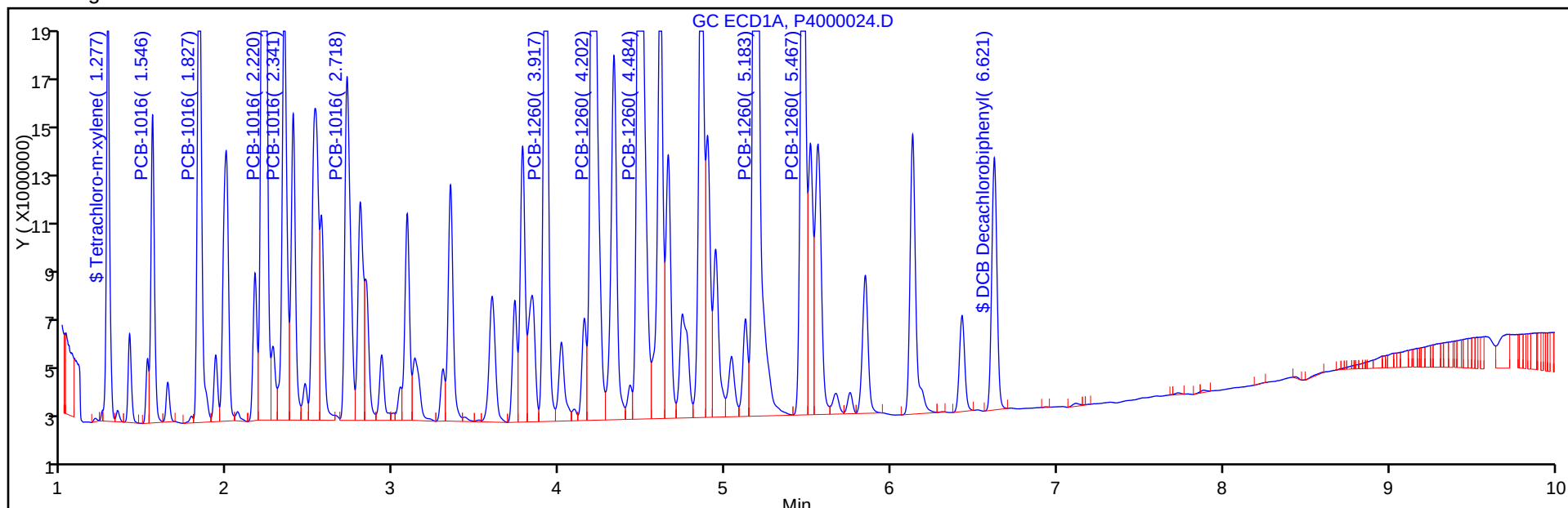
Operator ID:

Injection Vol: 1.0 uL

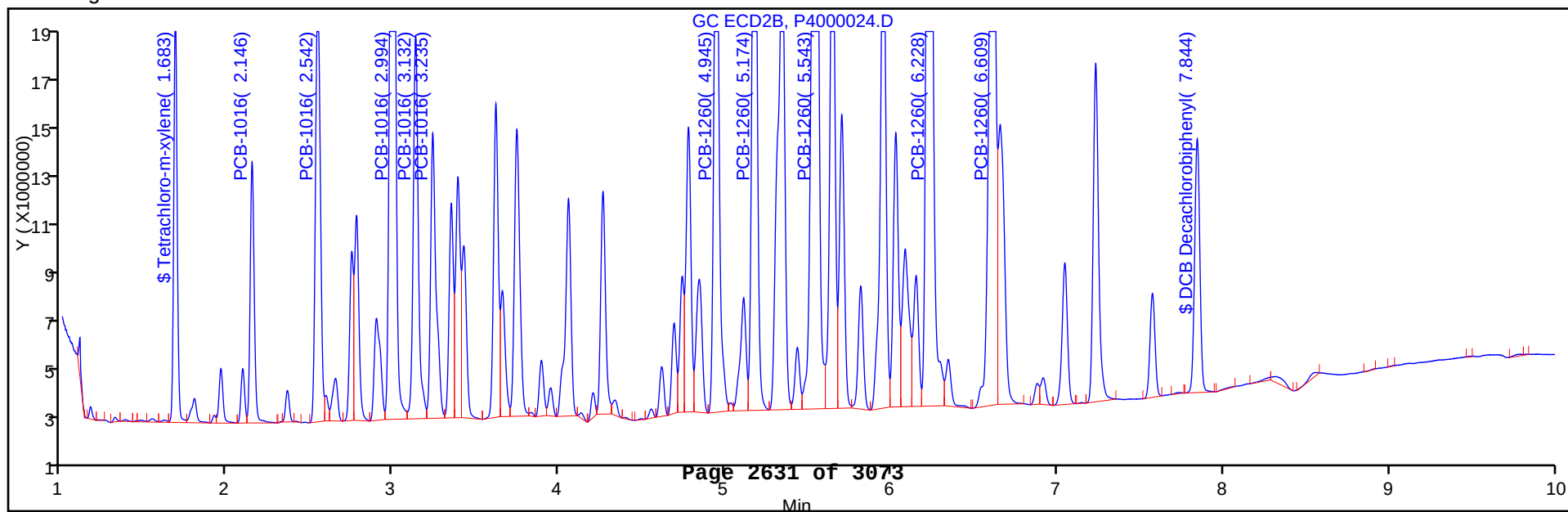
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22852-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: LCS 240-81915/23-A
Matrix: Solid Lab File ID: P4000010.D
Analysis Method: 8082/DOD Date Collected: _____
Extraction Method: 3540C Date Extracted: 04/15/2013 09:45
Sample wt/vol: 30.00(g) Date Analyzed: 04/17/2013 19:06
Con. Extract Vol.: 10.0(mL) Dilution Factor: 1
Injection Volume: 1(uL) GC Column: CLP-1 ID: 0.53(mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 82392 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	64		40-140
2051-24-3	DCB Decachlorobiphenyl	66		60-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130417-18977.b\P4000010.D
 Lims ID: LCS 240-81915/23-A Client ID:
 Inject. Date: 17-Apr-2013 19:06:23 Dil. Factor: 1.0000
 Sample Type: LCS
 Sample ID: 240-0018977-010
 Misc. Info.:
 Operator: Instrument ID: A2HP4
 Injection Vol: 1.0 uL ALS Bottle#: 10
 Lims Batch ID: 82392 Lims Sample ID: 10
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\Ncchrom\ChromData\A2HP4\20130417-18977.b\PCB4.m
 Last Update: 18-Apr-2013 09:31:23 Calib Date: 15-Apr-2013 10:24:45
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK014

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

\$ 2 Tetrachloro-m-xylene

1	44	1.276	1.275	0.001	20334823	0.0128			
2	2	1.680	1.683	-0.003	30982068	0.0196			

RPD = 41.85

6 PCB-1016

1	100	1.545	1.545	0.000	15750984	0.5804		100.0	
1	2	1.827	1.828	-0.001	30426139	0.6214	156.0- 206.0	193.2	
1	3	2.219	2.219	0.000	65123847	0.6970	312.4- 362.4	413.5	
1	4	2.338	2.340	-0.002	29938236	0.7135	118.7- 188.7	190.1	
1	5	2.717	2.718	-0.001	24950627	0.5885	125.6- 175.6	158.4	
Average of Peak Amounts =						0.6401			
2	6	2.146	2.145	0.001	14066315	0.5484		100.0	
2	7	2.541	2.541	0.000	29951823	0.5899	169.6- 229.6	212.9	
2	8	2.993	2.992	0.001	65969950	0.6638	351.4- 411.4	469.0	
2	9	3.131	3.130	0.001	25078172	0.5697	141.3- 201.3	178.3	
2	10	3.234	3.234	0.000	22062851	0.6441	102.5- 162.5	156.8	
Average of Peak Amounts =						0.6032			

RPD = 5.94

Data File: \\Ncchrom\ChromData\A2HP4\20130417-18977.b\P4000010.D

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

10 PCB-1260

1	100	3.915	3.915	0.000	38211229	0.6124		100.0	
1	2	4.202	4.201	0.001	70752946	0.6425	152.2- 202.2	185.2	
1	3	4.481	4.482	-0.001	73545697	0.6831	146.4- 196.4	192.5	
1	4	5.181	5.181	0.000	88685152	0.6855	180.7- 230.7	232.1	
1	5	5.465	5.465	0.000	45875750	0.7876	64.1- 114.1	120.1	

Average of Peak Amounts =

0.6822

2	6	4.944	4.942	0.002	42532111	0.6183		100.0	
2	7	5.174	5.171	0.003	51225192	0.6417	87.6- 147.6	120.4	
2	8	5.541	5.540	0.001	79263583	0.6708	144.7- 204.7	186.4	
2	9	6.227	6.225	0.002	102523601	0.7031	187.7- 247.7	241.0	
2	10	6.607	6.606	0.001	69751014	0.7216	115.0- 175.0	164.0	

Average of Peak Amounts =

0.6711

RPD = 1.64

\$ 12 DCB Decachlorobiphenyl

1	100	6.619	6.619	0.000	17743436	0.0133			
2	2	7.841	7.840	0.001	18507724	0.0127			

RPD = 4.48

Report Date: 18-Apr-2013 09:31:34

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130417-18977.b\P4000010.D

Injection Date: 17-Apr-2013 19:06:23

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP4

Lims Batch ID: 82392

Lims Sample ID: 10

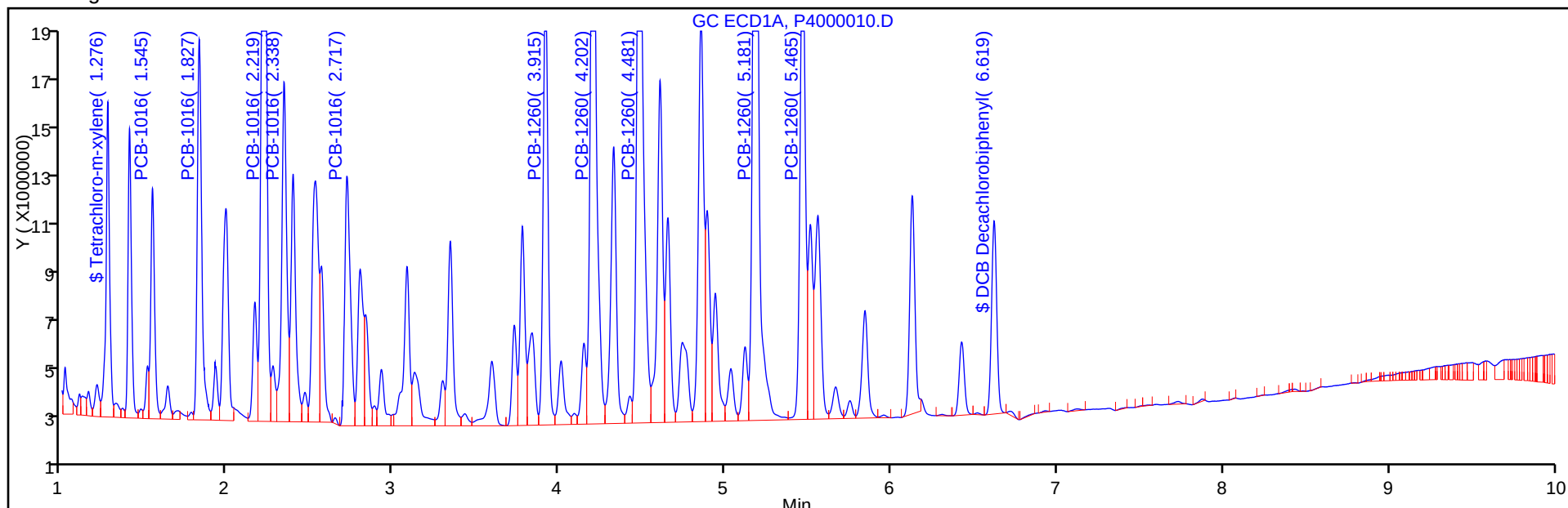
Operator ID:

Injection Vol: 1.0 uL

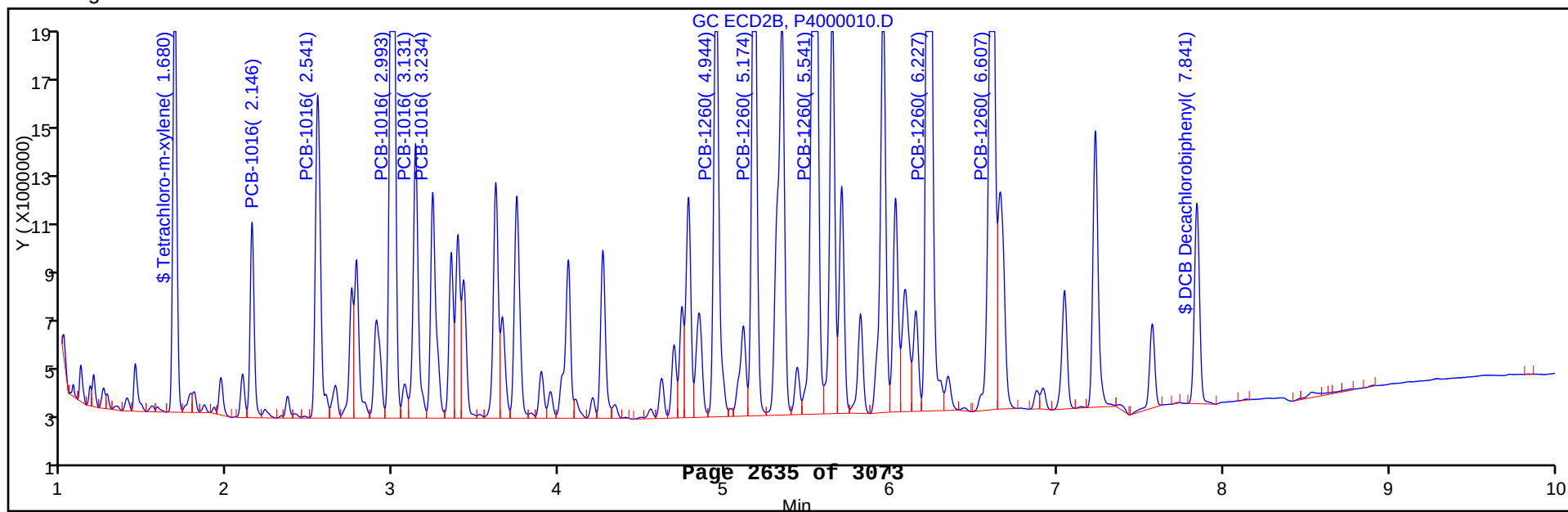
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22852-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 240-81915/23-A
 Matrix: Solid Lab File ID: P4000010.D
 Analysis Method: 8082/DOD Date Collected: _____
 Extraction Method: 3540C Date Extracted: 04/15/2013 09:45
 Sample wt/vol: 30.00(g) Date Analyzed: 04/17/2013 19:06
 Con. Extract Vol.: 10.0(mL) Dilution Factor: 1
 Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 82392 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
12674-11-2	Aroclor-1016	201		65	25	21
11096-82-5	Aroclor-1260	224		55	25	17

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	98		40-140
2051-24-3	DCB Decachlorobiphenyl	64		60-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130417-18977.b\P4000010.D
 Lims ID: LCS 240-81915/23-A Client ID:
 Inject. Date: 17-Apr-2013 19:06:23 Dil. Factor: 1.0000
 Sample Type: LCS
 Sample ID: 240-0018977-010
 Misc. Info.:
 Operator: Instrument ID: A2HP4
 Injection Vol: 1.0 uL ALS Bottle#: 10
 Lims Batch ID: 82392 Lims Sample ID: 10
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\Ncchrom\ChromData\A2HP4\20130417-18977.b\PCB4.m
 Last Update: 18-Apr-2013 09:31:23 Calib Date: 15-Apr-2013 10:24:45
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK014

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

\$ 2 Tetrachloro-m-xylene

1	44	1.276	1.275	0.001	20334823	0.0128			
2	2	1.680	1.683	-0.003	30982068	0.0196			

RPD = 41.85

6 PCB-1016

1	100	1.545	1.545	0.000	15750984	0.5804		100.0	
1	2	1.827	1.828	-0.001	30426139	0.6214	156.0- 206.0	193.2	
1	3	2.219	2.219	0.000	65123847	0.6970	312.4- 362.4	413.5	
1	4	2.338	2.340	-0.002	29938236	0.7135	118.7- 188.7	190.1	
1	5	2.717	2.718	-0.001	24950627	0.5885	125.6- 175.6	158.4	
Average of Peak Amounts =						0.6401			
2	6	2.146	2.145	0.001	14066315	0.5484		100.0	
2	7	2.541	2.541	0.000	29951823	0.5899	169.6- 229.6	212.9	
2	8	2.993	2.992	0.001	65969950	0.6638	351.4- 411.4	469.0	
2	9	3.131	3.130	0.001	25078172	0.5697	141.3- 201.3	178.3	
2	10	3.234	3.234	0.000	22062851	0.6441	102.5- 162.5	156.8	
Average of Peak Amounts =						0.6032			

RPD = 5.94

Data File: \\Ncchrom\ChromData\A2HP4\20130417-18977.b\P4000010.D

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

10 PCB-1260

1	100	3.915	3.915	0.000	38211229	0.6124		100.0	
1	2	4.202	4.201	0.001	70752946	0.6425	152.2- 202.2	185.2	
1	3	4.481	4.482	-0.001	73545697	0.6831	146.4- 196.4	192.5	
1	4	5.181	5.181	0.000	88685152	0.6855	180.7- 230.7	232.1	
1	5	5.465	5.465	0.000	45875750	0.7876	64.1- 114.1	120.1	

Average of Peak Amounts =

0.6822

2	6	4.944	4.942	0.002	42532111	0.6183		100.0	
2	7	5.174	5.171	0.003	51225192	0.6417	87.6- 147.6	120.4	
2	8	5.541	5.540	0.001	79263583	0.6708	144.7- 204.7	186.4	
2	9	6.227	6.225	0.002	102523601	0.7031	187.7- 247.7	241.0	
2	10	6.607	6.606	0.001	69751014	0.7216	115.0- 175.0	164.0	

Average of Peak Amounts =

0.6711

RPD = 1.64

\$ 12 DCB Decachlorobiphenyl

1	100	6.619	6.619	0.000	17743436	0.0133			
2	2	7.841	7.840	0.001	18507724	0.0127			

RPD = 4.48

Report Date: 18-Apr-2013 09:31:35

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130417-18977.b\P4000010.D

Injection Date: 17-Apr-2013 19:06:23

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP4

Lims Batch ID: 82392

Lims Sample ID: 10

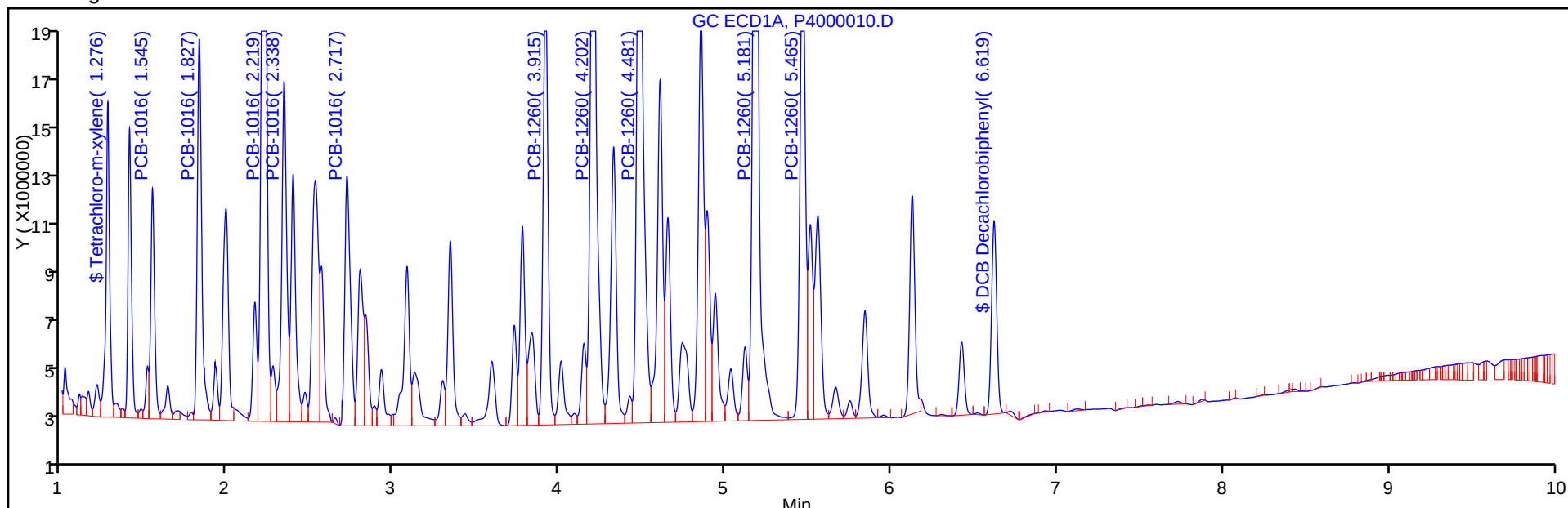
Operator ID:

Injection Vol: 1.0 uL

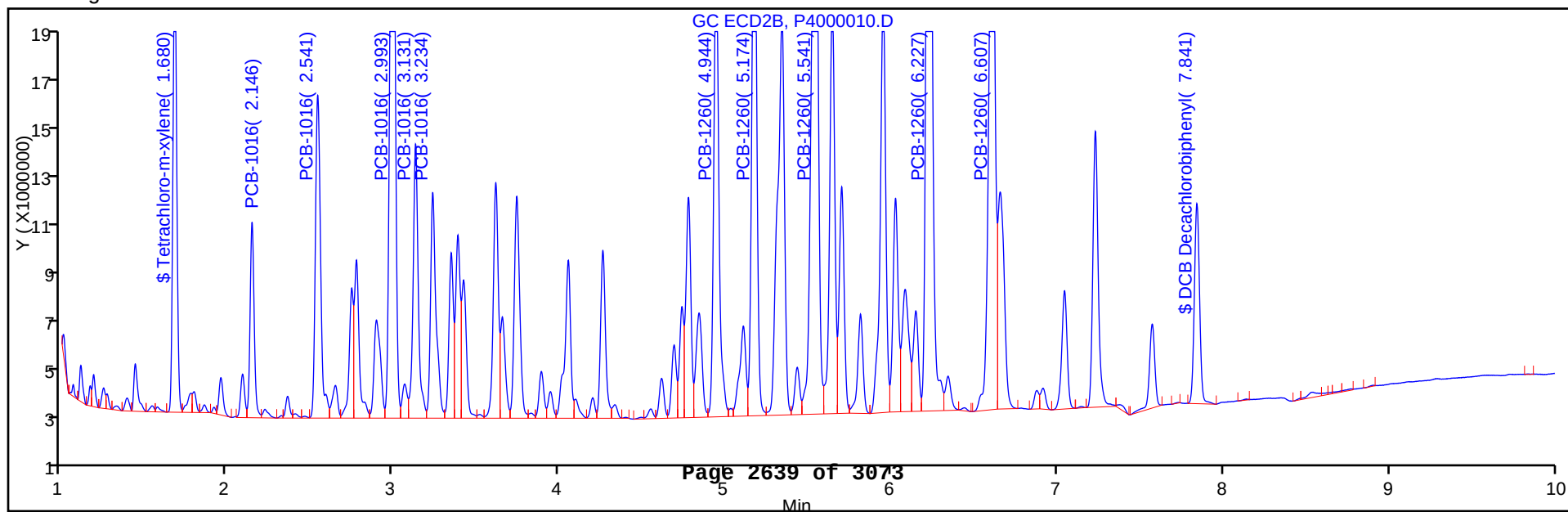
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22852-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MRL 240-82363/4

Matrix: Solid Lab File ID: P4000004.D

Analysis Method: 8082/DOD Date Collected: _____

Extraction Method: _____ Date Extracted: _____

Sample wt/vol: 1(mL) Date Analyzed: 04/18/2013 09:52

Con. Extract Vol.: _____ Dilution Factor: 1

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

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

Analysis Batch No.: 82363 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	0.0497	J	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	0.0506		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	125		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130417-18971.b\P4000004.D
 Lims ID: MRL Client ID:
 Inject. Date: 18-Apr-2013 09:52:58 Dil. Factor: 1.0000
 Sample Type: MRL
 Sample ID: 240-0018971-004
 Misc. Info.:
 Operator: Instrument ID: A2HP4
 Injection Vol: 1.0 uL ALS Bottle#: 4
 Lims Batch ID: 82363 Lims Sample ID: 4
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\Ncchrom\ChromData\A2HP4\20130417-18971.b\PCB4.m
 Last Update: 19-Apr-2013 14:47:51 Calib Date: 15-Apr-2013 10:24:45
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK027

First Level Reviewer: hassl

Date: 19-Apr-2013 14:42:02

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

S 1 Polychlorinated biphenyls, Total

1 100 1.000

\$ 2 Tetrachloro-m-xylene

1 44 1.275 1.276 -0.001 4264682 0.002693

2 2 1.682 1.682 0.000 3980790 0.002523

RPD = 6.52

3 PCB-1221

1 2 1.405

1 3 1.515

1 4 1.544

2 4 1.957

2 5 2.089

2 6 2.145

4 PCB-1232

1 100 1.543

1 2 1.826

1 3 2.217

1 4 2.337

1 5 2.716

2 6 2.143

2 7 2.538

2 8 2.990

2 9 3.129

2 10 3.738

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									
1	100		1.544						
1	2		1.826						
1	3		2.218						
1	4		2.338						
1	5		2.717						
2	6		2.143						
2	7		2.539						
2	8		2.991						
2	9		3.129						
2	10		3.738						
6 PCB-1016									
1	100	1.546	1.545	0.001	1356129	0.0500		100.0	
1	2	1.827	1.827	0.000	2621846	0.0535	156.0- 206.0	193.3	
1	3	2.218	2.221	-0.003	4760587	0.0509	312.4- 362.4	351.0	
1	4	2.339	2.340	-0.001	1889968	0.0450	118.7- 188.7	139.4	
1	5	2.717	2.717	0.000	2073122	0.0489	125.6- 175.6	152.9	
Average of Peak Amounts =						0.0497			
2	6	2.146	2.145	0.001	1209796	0.0472		100.0	
2	7	2.541	2.541	0.000	2490194	0.0490	169.6- 229.6	205.8	
2	8	2.992	2.992	0.000	4783457	0.0481	351.4- 411.4	395.4	
2	9	3.131	3.131	0.000	2181702	0.0496	141.3- 201.3	180.3	
2	10	3.235	3.234	0.001	1625331	0.0475	102.5- 162.5	134.3	
Average of Peak Amounts =						0.0483			
						RPD = 2.87			
7 PCB-1248									
1	86		1.825						
1	2		2.216						
1	3		2.716						
1	4		3.293						
1	5		3.726						
2	6		2.538						
2	7		2.990						
2	8		3.739						
2	9		4.013						
2	10		4.735						
8 PCB-1254									
1	100		3.340						
1	2		3.727						
1	3		4.010						
1	4		4.199						
1	5		4.483						
2	6		4.260						
2	7		4.735						
2	8		4.980						
2	9		5.341						
2	10		5.543						

Data File: \\Ncchrom\ChromData\A2HP4\20130417-18971.b\P4000004.D

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

10 PCB-1260

1	100	3.916	3.916	0.000	3240450	0.0519		100.0	
1	2	4.202	4.201	0.001	5702996	0.0518	152.2- 202.2	176.0	
1	3	4.483	4.482	0.001	5125790	0.0476	146.4- 196.4	158.2	
1	4	5.183	5.182	0.001	6412118	0.0496	180.7- 230.7	197.9	
1	5	5.469	5.467	0.002	3039793	0.0522	64.1- 114.1	93.8	
Average of Peak Amounts =						0.0506			
2	6	4.944	4.943	0.001	3302647	0.0480		100.0	
2	7	5.174	5.173	0.001	3941990	0.0494	87.6- 147.6	119.4	
2	8	5.542	5.542	0.000	5774475	0.0489	144.7- 204.7	174.8	
2	9	6.227	6.226	0.001	7236427	0.0496	187.7- 247.7	219.1	
2	10	6.608	6.607	0.001	4985799	0.0516	115.0- 175.0	151.0	
Average of Peak Amounts =						0.0495			

RPD = 2.24

9 PCB-1262

1	100		4.203						
1	2		4.605						
1	3		4.851						
1	4		5.180						
1	5		5.554						
2	6		5.173						
2	7		5.643						
2	8		5.949						
2	9		6.225						
2	10		6.605						

11 PCB-1268

1	100		5.511						
1	2		5.550						
1	3		5.749						
1	4		6.126						
1	5		6.423						
2	6		6.601						
2	7		6.649						
2	8		6.912						
2	9		7.228						
2	10		7.570						

\$ 12 DCB Decachlorobiphenyl

1	100	6.620	6.620	0.000	4185660	0.003135			
2	2	7.842	7.841	0.001	4346346	0.002984			

RPD = 4.93

Report Date: 19-Apr-2013 14:47:58

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130417-18971.b\P4000004.D

Injection Date: 18-Apr-2013 09:52:58

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP4

Lims Batch ID: 82363

Lims Sample ID: 4

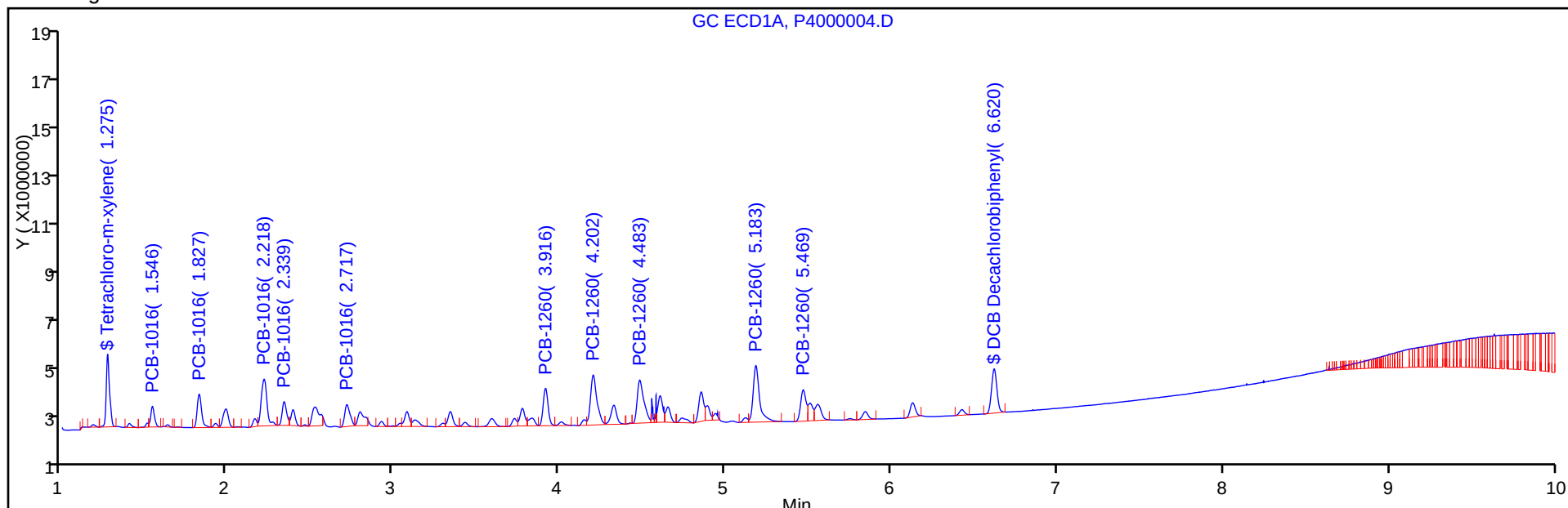
Operator ID:

Injection Vol: 1.0 uL

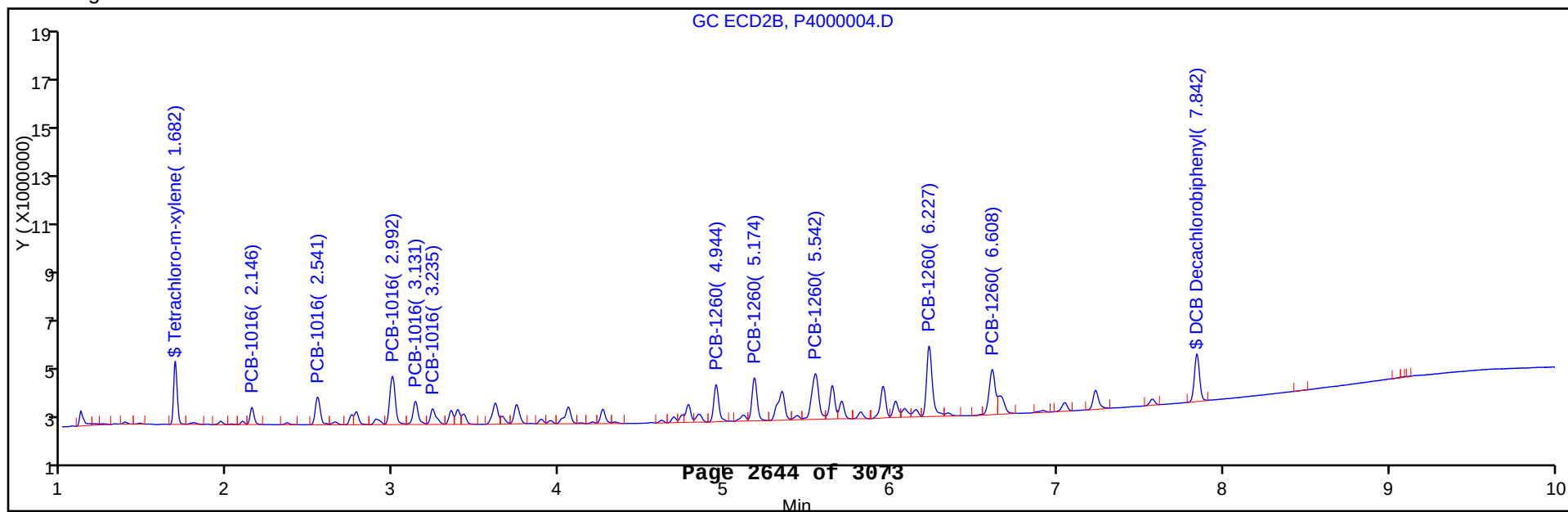
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22852-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MRL 240-82363/4

Matrix: Solid Lab File ID: P4000004.D

Analysis Method: 8082/DOD Date Collected: _____

Extraction Method: _____ Date Extracted: _____

Sample wt/vol: 1(mL) Date Analyzed: 04/18/2013 09:52

Con. Extract Vol.: _____ Dilution Factor: 1

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

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

Analysis Batch No.: 82363 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	0.0483	J	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	0.0495	J	0.050	0.00020	0.017

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	101		50-150
2051-24-3	DCB Decachlorobiphenyl	119		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130417-18971.b\P4000004.D
 Lims ID: MRL Client ID:
 Inject. Date: 18-Apr-2013 09:52:58 Dil. Factor: 1.0000
 Sample Type: MRL
 Sample ID: 240-0018971-004
 Misc. Info.:
 Operator: Instrument ID: A2HP4
 Injection Vol: 1.0 uL ALS Bottle#: 4
 Lims Batch ID: 82363 Lims Sample ID: 4
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\Ncchrom\ChromData\A2HP4\20130417-18971.b\PCB4.m
 Last Update: 19-Apr-2013 14:47:51 Calib Date: 15-Apr-2013 10:24:45
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK027

First Level Reviewer: hassl

Date: 19-Apr-2013 14:42:02

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

S 1 Polychlorinated biphenyls, Total

1 100 1.000

\$ 2 Tetrachloro-m-xylene

1 44 1.275 1.276 -0.001 4264682 0.002693

2 2 1.682 1.682 0.000 3980790 0.002523

RPD = 6.52

3 PCB-1221

1 2 1.405

1 3 1.515

1 4 1.544

2 4 1.957

2 5 2.089

2 6 2.145

4 PCB-1232

1 100 1.543

1 2 1.826

1 3 2.217

1 4 2.337

1 5 2.716

2 6 2.143

2 7 2.538

2 8 2.990

2 9 3.129

2 10 3.738

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									
1	100		1.544						
1	2		1.826						
1	3		2.218						
1	4		2.338						
1	5		2.717						
2	6		2.143						
2	7		2.539						
2	8		2.991						
2	9		3.129						
2	10		3.738						
6 PCB-1016									
1	100	1.546	1.545	0.001	1356129	0.0500		100.0	
1	2	1.827	1.827	0.000	2621846	0.0535	156.0- 206.0	193.3	
1	3	2.218	2.221	-0.003	4760587	0.0509	312.4- 362.4	351.0	
1	4	2.339	2.340	-0.001	1889968	0.0450	118.7- 188.7	139.4	
1	5	2.717	2.717	0.000	2073122	0.0489	125.6- 175.6	152.9	
Average of Peak Amounts =						0.0497			
2	6	2.146	2.145	0.001	1209796	0.0472		100.0	
2	7	2.541	2.541	0.000	2490194	0.0490	169.6- 229.6	205.8	
2	8	2.992	2.992	0.000	4783457	0.0481	351.4- 411.4	395.4	
2	9	3.131	3.131	0.000	2181702	0.0496	141.3- 201.3	180.3	
2	10	3.235	3.234	0.001	1625331	0.0475	102.5- 162.5	134.3	
Average of Peak Amounts =						0.0483			
						RPD = 2.87			
7 PCB-1248									
1	86		1.825						
1	2		2.216						
1	3		2.716						
1	4		3.293						
1	5		3.726						
2	6		2.538						
2	7		2.990						
2	8		3.739						
2	9		4.013						
2	10		4.735						
8 PCB-1254									
1	100		3.340						
1	2		3.727						
1	3		4.010						
1	4		4.199						
1	5		4.483						
2	6		4.260						
2	7		4.735						
2	8		4.980						
2	9		5.341						
2	10		5.543						

Data File: \\Ncchrom\ChromData\A2HP4\20130417-18971.b\P4000004.D

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

10 PCB-1260

1	100	3.916	3.916	0.000	3240450	0.0519		100.0	
1	2	4.202	4.201	0.001	5702996	0.0518	152.2- 202.2	176.0	
1	3	4.483	4.482	0.001	5125790	0.0476	146.4- 196.4	158.2	
1	4	5.183	5.182	0.001	6412118	0.0496	180.7- 230.7	197.9	
1	5	5.469	5.467	0.002	3039793	0.0522	64.1- 114.1	93.8	
Average of Peak Amounts =						0.0506			
2	6	4.944	4.943	0.001	3302647	0.0480		100.0	
2	7	5.174	5.173	0.001	3941990	0.0494	87.6- 147.6	119.4	
2	8	5.542	5.542	0.000	5774475	0.0489	144.7- 204.7	174.8	
2	9	6.227	6.226	0.001	7236427	0.0496	187.7- 247.7	219.1	
2	10	6.608	6.607	0.001	4985799	0.0516	115.0- 175.0	151.0	
Average of Peak Amounts =						0.0495			

RPD = 2.24

9 PCB-1262

1	100		4.203						
1	2		4.605						
1	3		4.851						
1	4		5.180						
1	5		5.554						
2	6		5.173						
2	7		5.643						
2	8		5.949						
2	9		6.225						
2	10		6.605						

11 PCB-1268

1	100		5.511						
1	2		5.550						
1	3		5.749						
1	4		6.126						
1	5		6.423						
2	6		6.601						
2	7		6.649						
2	8		6.912						
2	9		7.228						
2	10		7.570						

\$ 12 DCB Decachlorobiphenyl

1	100	6.620	6.620	0.000	4185660	0.003135			
2	2	7.842	7.841	0.001	4346346	0.002984			

RPD = 4.93

Report Date: 19-Apr-2013 14:47:59

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130417-18971.b\P4000004.D

Injection Date: 18-Apr-2013 09:52:58

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP4

Lims Batch ID: 82363

Lims Sample ID: 4

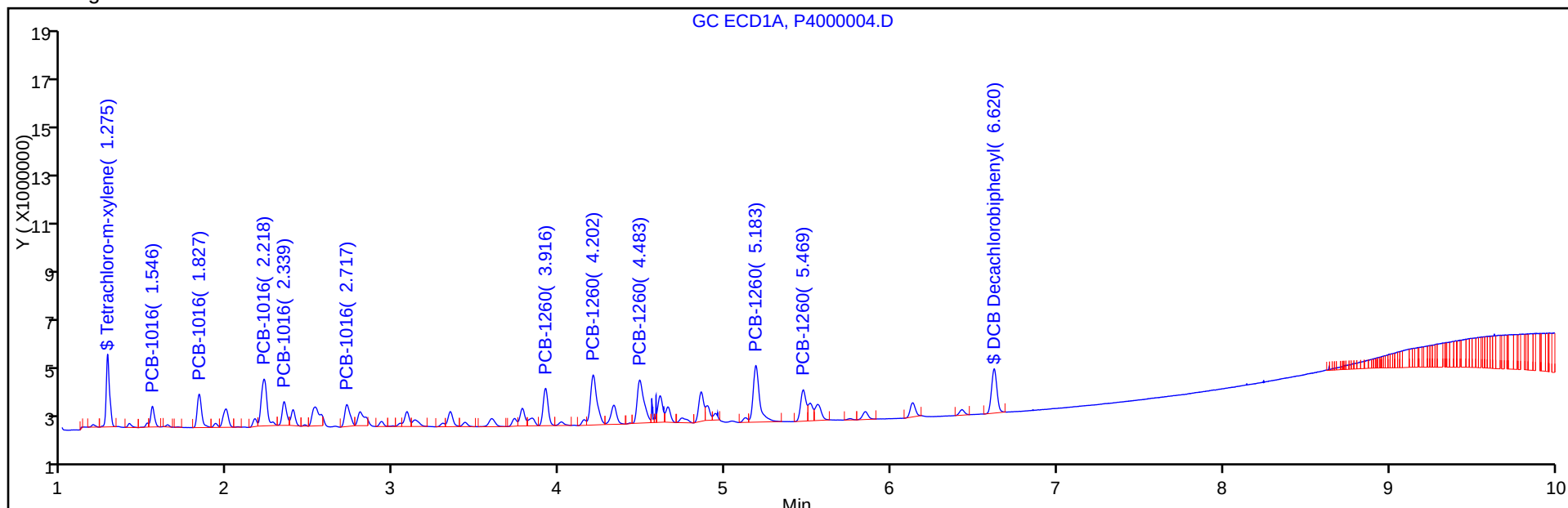
Operator ID:

Injection Vol: 1.0 uL

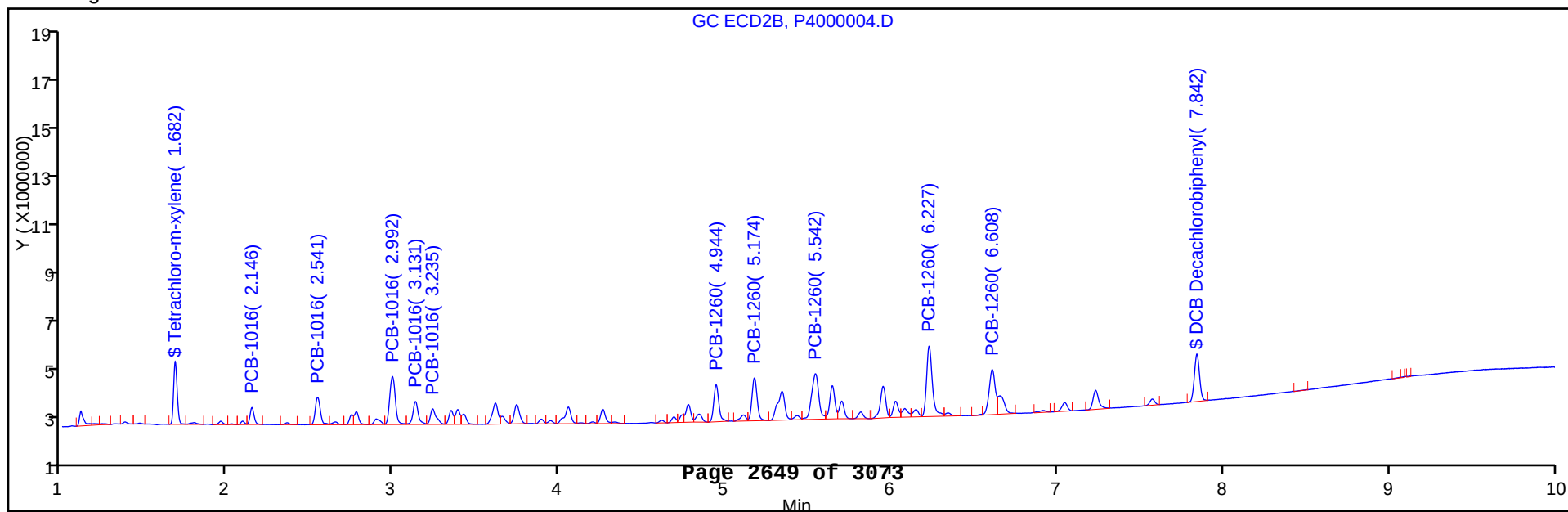
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22852-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MRL 240-82363/26
 Matrix: Solid Lab File ID: P4000026.D
 Analysis Method: 8082/DOD Date Collected: _____
 Extraction Method: _____ Date Extracted: _____
 Sample wt/vol: 1(mL) Date Analyzed: 04/18/2013 15:37
 Con. Extract Vol.: _____ Dilution Factor: 1
 Injection Volume: 1(uL) GC Column: CLP-1 ID: 0.53(mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 82363 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	0.0605		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	0.0587		0.050	0.00020	0.017

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	130		50-150
2051-24-3	DCB Decachlorobiphenyl	138	Q	50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130417-18971.b\P4000026.D
 Lims ID: MRL Client ID:
 Inject. Date: 18-Apr-2013 15:37:01 Dil. Factor: 1.0000
 Sample Type: MRL
 Sample ID: 240-0018971-026
 Misc. Info.:
 Operator: Instrument ID: A2HP4
 Injection Vol: 1.0 uL ALS Bottle#: 26
 Lims Batch ID: 82363 Lims Sample ID: 26
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\Ncchrom\ChromData\A2HP4\20130417-18971.b\PCB4.m
 Last Update: 19-Apr-2013 14:47:59 Calib Date: 15-Apr-2013 10:24:45
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK027

First Level Reviewer: hassl

Date: 19-Apr-2013 14:45:19

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

S 1 Polychlorinated biphenyls, Total

1 100 1.000

\$ 2 Tetrachloro-m-xylene

1 44 1.277 1.277 0.000 5127336 0.003238

2 2 1.684 1.683 0.001 4633155 0.002936

RPD = 9.76

3 PCB-1221

1 2 1.405

1 3 1.515

1 4 1.544

2 4 1.957

2 5 2.089

2 6 2.145

4 PCB-1232

1 100 1.543

1 2 1.826

1 3 2.217

1 4 2.337

1 5 2.716

2 6 2.143

2 7 2.538

2 8 2.990

2 9 3.129

2 10 3.738

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									
1	100		1.544						
1	2		1.826						
1	3		2.218						
1	4		2.338						
1	5		2.717						
2	6		2.143						
2	7		2.539						
2	8		2.991						
2	9		3.129						
2	10		3.738						
6 PCB-1016									
1	100	1.546	1.546	0.000	1611507	0.0594		100.0	
1	2	1.829	1.828	0.001	3011495	0.0615	156.0- 206.0	186.9	
1	3	2.219	2.219	0.000	5711393	0.0611	312.4- 362.4	354.4	
1	4	2.340	2.340	0.000	2612554	0.0623	118.7- 188.7	162.1	
1	5	2.720	2.718	0.002	2477288	0.0584	125.6- 175.6	153.7	
			Average of Peak Amounts =			0.0605			
2	6	2.146	2.146	0.000	1399767	0.0546		100.0	
2	7	2.542	2.542	0.000	2940372	0.0579	169.6- 229.6	210.1	
2	8	2.995	2.993	0.002	5694258	0.0573	351.4- 411.4	406.8	
2	9	3.133	3.132	0.001	2541474	0.0577	141.3- 201.3	181.6	
2	10	3.236	3.236	0.000	1893955	0.0553	102.5- 162.5	135.3	
			Average of Peak Amounts =			0.0566			
						RPD = 6.79			
7 PCB-1248									
1	86		1.825						
1	2		2.216						
1	3		2.716						
1	4		3.293						
1	5		3.726						
2	6		2.538						
2	7		2.990						
2	8		3.739						
2	9		4.013						
2	10		4.735						
8 PCB-1254									
1	100		3.340						
1	2		3.727						
1	3		4.010						
1	4		4.199						
1	5		4.483						
2	6		4.260						
2	7		4.735						
2	8		4.980						
2	9		5.341						
2	10		5.543						

Data File: \\Ncchrom\ChromData\A2HP4\20130417-18971.b\P4000026.D

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

10 PCB-1260

1	100	3.916	3.917	-0.001	3676236	0.0589		100.0	
1	2	4.205	4.203	0.002	6259408	0.0568	152.2- 202.2	170.3	
1	3	4.485	4.483	0.002	6102425	0.0567	146.4- 196.4	166.0	
1	4	5.185	5.184	0.001	7463445	0.0577	180.7- 230.7	203.0	
1	5	5.470	5.469	0.001	3679576	0.0632	64.1- 114.1	100.1	

Average of Peak Amounts =

0.0587

2	6	4.945	4.945	0.000	3852699	0.0560		100.0	
2	7	5.175	5.175	0.000	4833088	0.0605	87.6- 147.6	125.4	
2	8	5.543	5.543	0.000	6669086	0.0564	144.7- 204.7	173.1	
2	9	6.229	6.228	0.001	8419848	0.0577	187.7- 247.7	218.5	
2	10	6.610	6.610	0.000	5808236	0.0601	115.0- 175.0	150.8	

Average of Peak Amounts =

0.0582

RPD = 0.85

9 PCB-1262

1	100		4.203						
1	2		4.605						
1	3		4.851						
1	4		5.180						
1	5		5.554						
2	6		5.173						
2	7		5.643						
2	8		5.949						
2	9		6.225						
2	10		6.605						

11 PCB-1268

1	100		5.511						
1	2		5.550						
1	3		5.749						
1	4		6.126						
1	5		6.423						
2	6		6.601						
2	7		6.649						
2	8		6.912						
2	9		7.228						
2	10		7.570						

\$ 12 DCB Decachlorobiphenyl

1	100	6.622	6.622	0.000	4610876	0.003453			
2	2	7.844	7.843	0.001	4958151	0.003404			

RPD = 1.44

Report Date: 19-Apr-2013 14:48:01

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130417-18971.b\P4000026.D

Injection Date: 18-Apr-2013 15:37:01

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP4

Lims Batch ID: 82363

Lims Sample ID: 26

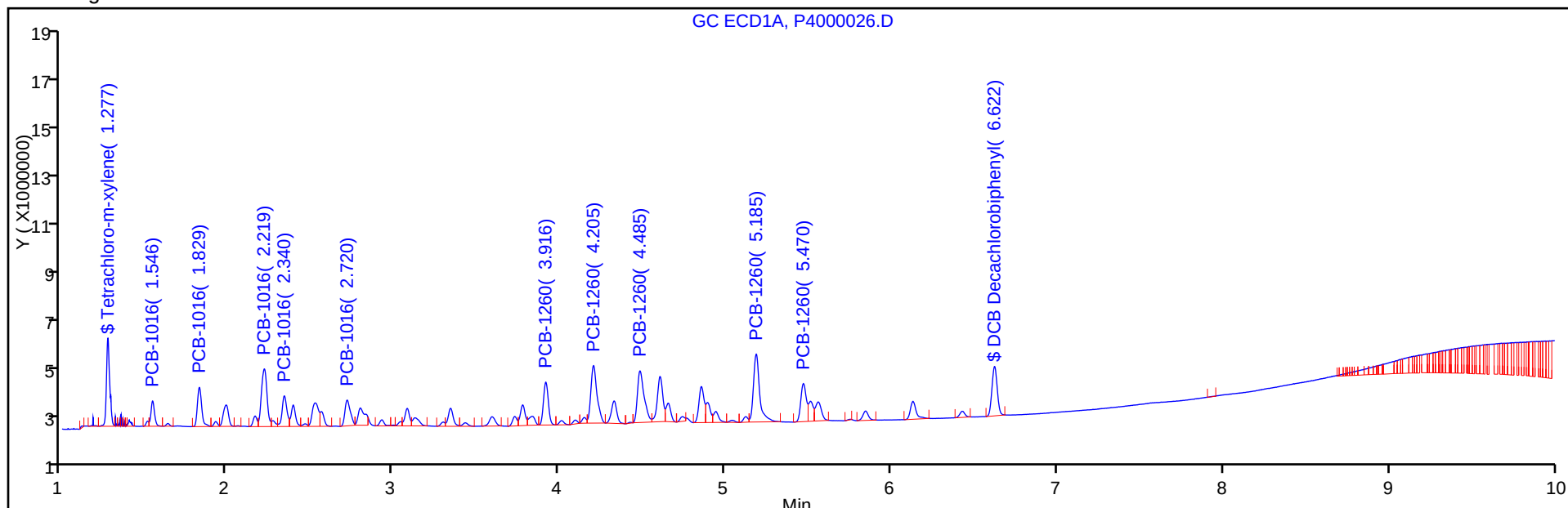
Operator ID:

Injection Vol: 1.0 uL

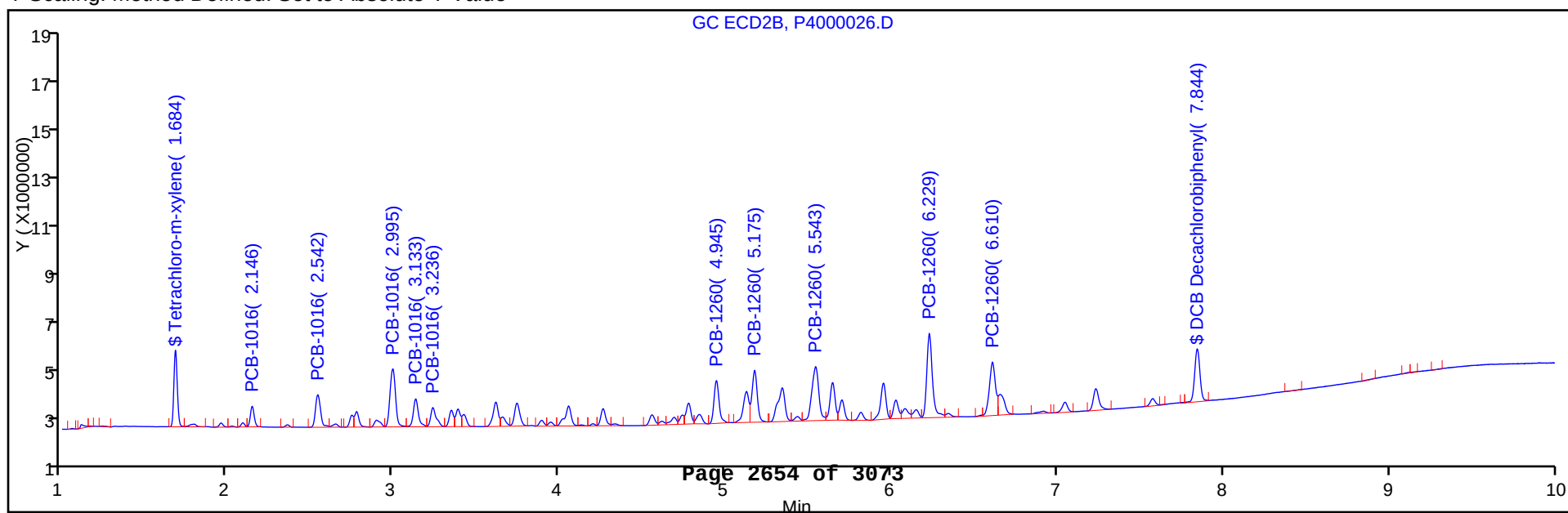
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22852-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MRL 240-82363/26
 Matrix: Solid Lab File ID: P4000026.D
 Analysis Method: 8082/DOD Date Collected: _____
 Extraction Method: _____ Date Extracted: _____
 Sample wt/vol: 1(mL) Date Analyzed: 04/18/2013 15:37
 Con. Extract Vol.: _____ Dilution Factor: 1
 Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 82363 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	0.0566		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	0.0582		0.050	0.00020	0.017

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	117		50-150
2051-24-3	DCB Decachlorobiphenyl	136	Q	50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130417-18971.b\P4000026.D
 Lims ID: MRL Client ID:
 Inject. Date: 18-Apr-2013 15:37:01 Dil. Factor: 1.0000
 Sample Type: MRL
 Sample ID: 240-0018971-026
 Misc. Info.:
 Operator: Instrument ID: A2HP4
 Injection Vol: 1.0 uL ALS Bottle#: 26
 Lims Batch ID: 82363 Lims Sample ID: 26
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\Ncchrom\ChromData\A2HP4\20130417-18971.b\PCB4.m
 Last Update: 19-Apr-2013 14:47:59 Calib Date: 15-Apr-2013 10:24:45
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK027

First Level Reviewer: hassl

Date: 19-Apr-2013 14:45:19

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

S 1 Polychlorinated biphenyls, Total

1 100 1.000

\$ 2 Tetrachloro-m-xylene

1 44 1.277 1.277 0.000 5127336 0.003238

2 2 1.684 1.683 0.001 4633155 0.002936

RPD = 9.76

3 PCB-1221

1 2 1.405

1 3 1.515

1 4 1.544

2 4 1.957

2 5 2.089

2 6 2.145

4 PCB-1232

1 100 1.543

1 2 1.826

1 3 2.217

1 4 2.337

1 5 2.716

2 6 2.143

2 7 2.538

2 8 2.990

2 9 3.129

2 10 3.738

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									
1	100		1.544						
1	2		1.826						
1	3		2.218						
1	4		2.338						
1	5		2.717						
2	6		2.143						
2	7		2.539						
2	8		2.991						
2	9		3.129						
2	10		3.738						
6 PCB-1016									
1	100	1.546	1.546	0.000	1611507	0.0594		100.0	
1	2	1.829	1.828	0.001	3011495	0.0615	156.0- 206.0	186.9	
1	3	2.219	2.219	0.000	5711393	0.0611	312.4- 362.4	354.4	
1	4	2.340	2.340	0.000	2612554	0.0623	118.7- 188.7	162.1	
1	5	2.720	2.718	0.002	2477288	0.0584	125.6- 175.6	153.7	
			Average of Peak Amounts =			0.0605			
2	6	2.146	2.146	0.000	1399767	0.0546		100.0	
2	7	2.542	2.542	0.000	2940372	0.0579	169.6- 229.6	210.1	
2	8	2.995	2.993	0.002	5694258	0.0573	351.4- 411.4	406.8	
2	9	3.133	3.132	0.001	2541474	0.0577	141.3- 201.3	181.6	
2	10	3.236	3.236	0.000	1893955	0.0553	102.5- 162.5	135.3	
			Average of Peak Amounts =			0.0566			
						RPD = 6.79			
7 PCB-1248									
1	86		1.825						
1	2		2.216						
1	3		2.716						
1	4		3.293						
1	5		3.726						
2	6		2.538						
2	7		2.990						
2	8		3.739						
2	9		4.013						
2	10		4.735						
8 PCB-1254									
1	100		3.340						
1	2		3.727						
1	3		4.010						
1	4		4.199						
1	5		4.483						
2	6		4.260						
2	7		4.735						
2	8		4.980						
2	9		5.341						
2	10		5.543						

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

10 PCB-1260

1	100	3.916	3.917	-0.001	3676236	0.0589		100.0	
1	2	4.205	4.203	0.002	6259408	0.0568	152.2- 202.2	170.3	
1	3	4.485	4.483	0.002	6102425	0.0567	146.4- 196.4	166.0	
1	4	5.185	5.184	0.001	7463445	0.0577	180.7- 230.7	203.0	
1	5	5.470	5.469	0.001	3679576	0.0632	64.1- 114.1	100.1	

Average of Peak Amounts =

0.0587

2	6	4.945	4.945	0.000	3852699	0.0560		100.0	
2	7	5.175	5.175	0.000	4833088	0.0605	87.6- 147.6	125.4	
2	8	5.543	5.543	0.000	6669086	0.0564	144.7- 204.7	173.1	
2	9	6.229	6.228	0.001	8419848	0.0577	187.7- 247.7	218.5	
2	10	6.610	6.610	0.000	5808236	0.0601	115.0- 175.0	150.8	

Average of Peak Amounts =

0.0582

RPD = 0.85

9 PCB-1262

1	100		4.203						
1	2		4.605						
1	3		4.851						
1	4		5.180						
1	5		5.554						
2	6		5.173						
2	7		5.643						
2	8		5.949						
2	9		6.225						
2	10		6.605						

11 PCB-1268

1	100		5.511						
1	2		5.550						
1	3		5.749						
1	4		6.126						
1	5		6.423						
2	6		6.601						
2	7		6.649						
2	8		6.912						
2	9		7.228						
2	10		7.570						

\$ 12 DCB Decachlorobiphenyl

1	100	6.622	6.622	0.000	4610876	0.003453			
2	2	7.844	7.843	0.001	4958151	0.003404			

RPD = 1.44

Report Date: 19-Apr-2013 14:48:02

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130417-18971.b\P4000026.D

Injection Date: 18-Apr-2013 15:37:01

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP4

Lims Batch ID: 82363

Lims Sample ID: 26

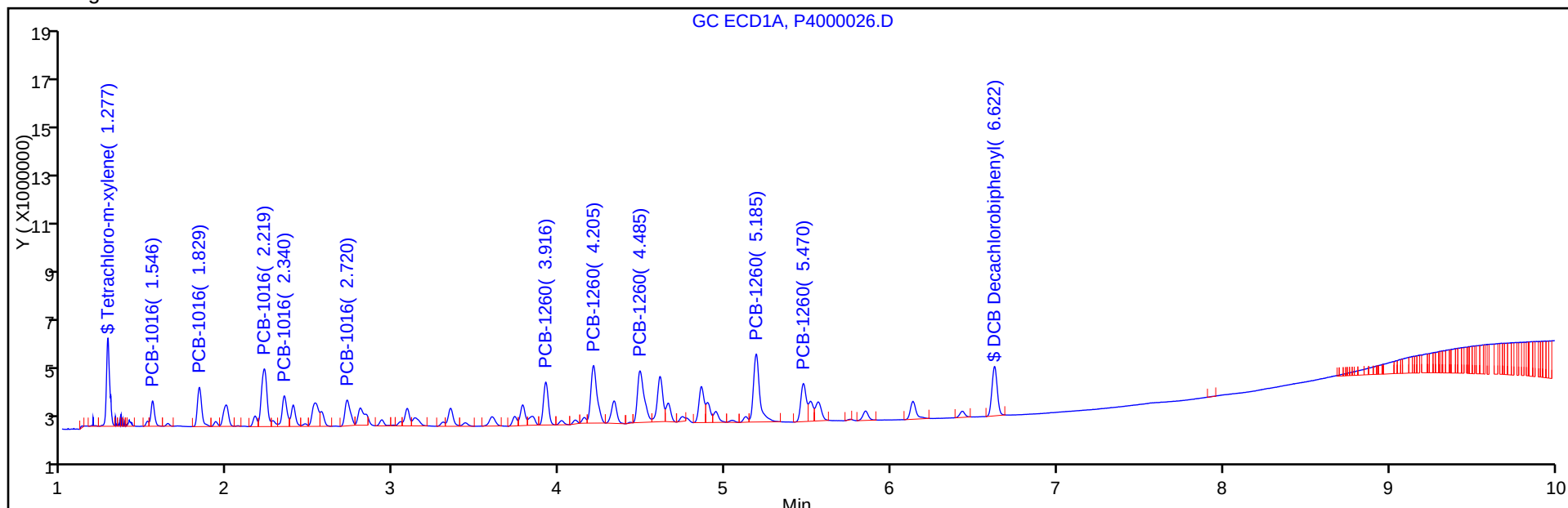
Operator ID:

Injection Vol: 1.0 uL

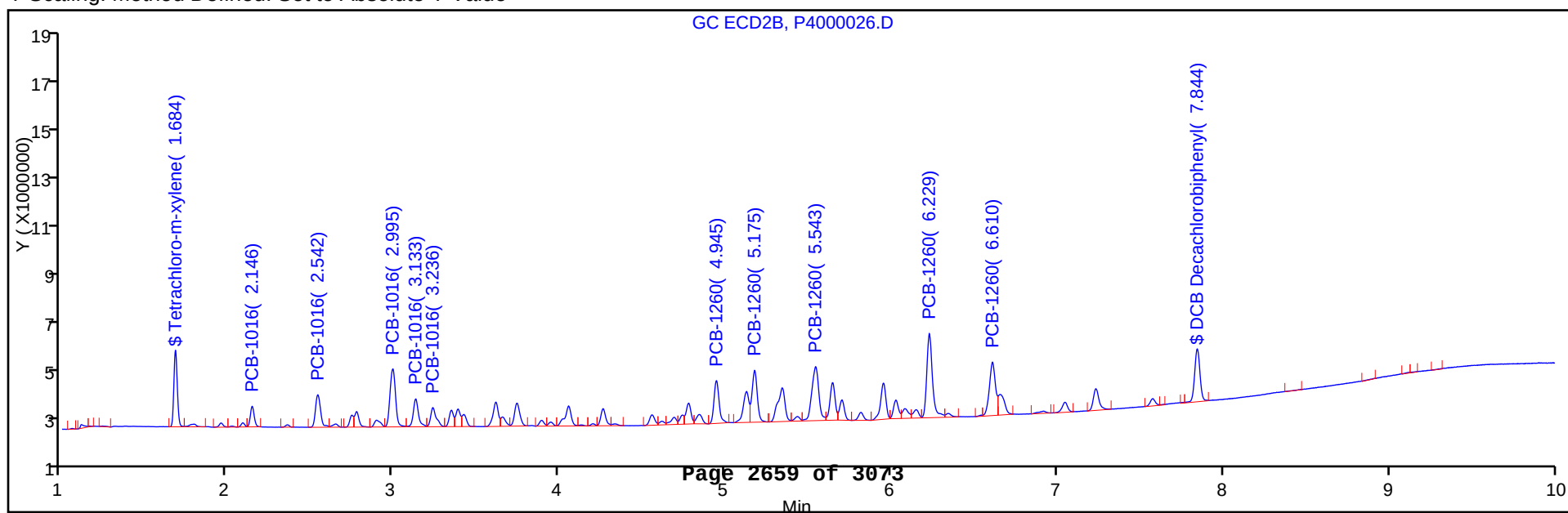
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22852-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MRL 240-82392/4

Matrix: Solid Lab File ID: P4000004.D

Analysis Method: 8082/DOD Date Collected: _____

Extraction Method: _____ Date Extracted: _____

Sample wt/vol: 1(mL) Date Analyzed: 04/17/2013 17:32

Con. Extract Vol.: _____ Dilution Factor: 1

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

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

Analysis Batch No.: 82392 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	0.0577		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	0.0585		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	137	Q	50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130417-18977.b\P4000004.D
 Lims ID: MRL Client ID:
 Inject. Date: 17-Apr-2013 17:32:38 Dil. Factor: 1.0000
 Sample Type: MRL
 Sample ID: 240-0018977-004
 Misc. Info.:
 Operator: Instrument ID: A2HP4
 Injection Vol: 1.0 uL ALS Bottle#: 4
 Lims Batch ID: 82392 Lims Sample ID: 4
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\Ncchrom\ChromData\A2HP4\20130417-18977.b\PCB4.m
 Last Update: 18-Apr-2013 09:31:23 Calib Date: 15-Apr-2013 10:24:45
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK014

First Level Reviewer: hassl

Date: 18-Apr-2013 09:31:04

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

S 1 Polychlorinated biphenyls, Total

1 100 1.000

\$ 2 Tetrachloro-m-xylene

1 44 1.275 1.275 0.000 4673970 0.002951

2 2 1.682 1.683 -0.001 4496668 0.002850

RPD = 3.50

3 PCB-1221

1 2 1.406

1 3 1.514

1 4 1.543

2 4 1.956

2 5 2.087

2 6 2.144

4 PCB-1232

1 100 1.543

1 2 1.824

1 3 2.216

1 4 2.336

1 5 2.714

2 6 2.143

2 7 2.538

2 8 2.989

2 9 3.128

2 10 3.736

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									
1	100		1.543						
1	2		1.825						
1	3		2.216						
1	4		2.336						
1	5		2.715						
2	6		2.142						
2	7		2.538						
2	8		2.990						
2	9		3.128						
2	10		3.738						
6 PCB-1016									
1	100	1.545	1.545	0.000	1543512	0.0569		100.0	
1	2	1.827	1.828	-0.001	2800344	0.0572	156.0- 206.0	181.4	
1	3	2.218	2.219	-0.001	5385049	0.0576	312.4- 362.4	348.9	
1	4	2.339	2.340	-0.001	2462707	0.0587	118.7- 188.7	159.6	
1	5	2.717	2.718	-0.001	2460719	0.0580	125.6- 175.6	159.4	
			Average of Peak Amounts =			0.0577			
2	6	2.146	2.145	0.001	1386903	0.0541		100.0	
2	7	2.541	2.541	0.000	2900542	0.0571	169.6- 229.6	209.1	
2	8	2.992	2.992	0.000	5648237	0.0568	351.4- 411.4	407.3	
2	9	3.131	3.130	0.001	2597384	0.0590	141.3- 201.3	187.3	
2	10	3.234	3.234	0.000	1893605	0.0553	102.5- 162.5	136.5	
			Average of Peak Amounts =			0.0565			
						RPD = 2.13			
7 PCB-1248									
1	86		1.824						
1	2		2.215						
1	3		2.715						
1	4		3.292						
1	5		3.725						
2	6		2.538						
2	7		2.989						
2	8		3.737						
2	9		4.013						
2	10		4.735						
8 PCB-1254									
1	100		3.339						
1	2		3.725						
1	3		4.008						
1	4		4.197						
1	5		4.480						
2	6		4.258						
2	7		4.734						
2	8		4.979						
2	9		5.340						
2	10		5.541						

Data File: \\Ncchrom\ChromData\A2HP4\20130417-18977.b\P4000004.D

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

10 PCB-1260

1	100	3.915	3.915	0.000	3641254	0.0584		100.0	
1	2	4.201	4.201	0.000	6435155	0.0584	152.2- 202.2	176.7	
1	3	4.482	4.482	0.000	6266927	0.0582	146.4- 196.4	172.1	
1	4	5.182	5.181	0.001	7081987	0.0547	180.7- 230.7	194.5	
1	5	5.466	5.465	0.001	3648380	0.0626	64.1- 114.1	100.2	
Average of Peak Amounts =						0.0585			
2	6	4.943	4.942	0.001	3833235	0.0557		100.0	
2	7	5.172	5.171	0.001	4764686	0.0597	87.6- 147.6	124.3	
2	8	5.542	5.540	0.002	6662176	0.0564	144.7- 204.7	173.8	
2	9	6.226	6.225	0.001	8392656	0.0576	187.7- 247.7	218.9	
2	10	6.607	6.606	0.001	6000980	0.0621	115.0- 175.0	156.6	
Average of Peak Amounts =						0.0583			

RPD = 0.32

9 PCB-1262

1	100		4.202						
1	2		4.604						
1	3		4.850						
1	4		5.179						
1	5		5.553						
2	6		5.171						
2	7		5.642						
2	8		5.947						
2	9		6.223						
2	10		6.602						

11 PCB-1268

1	100		5.511						
1	2		5.548						
1	3		5.747						
1	4		6.124						
1	5		6.422						
2	6		6.601						
2	7		6.649						
2	8		6.912						
2	9		7.228						
2	10		7.571						

\$ 12 DCB Decachlorobiphenyl

1	100	6.620	6.619	0.001	4573107	0.003425			
2	2	7.842	7.840	0.002	4590955	0.003152			

RPD = 8.31

Report Date: 18-Apr-2013 09:31:25

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130417-18977.b\P4000004.D

Injection Date: 17-Apr-2013 17:32:38

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP4

Lims Batch ID: 82392

Lims Sample ID: 4

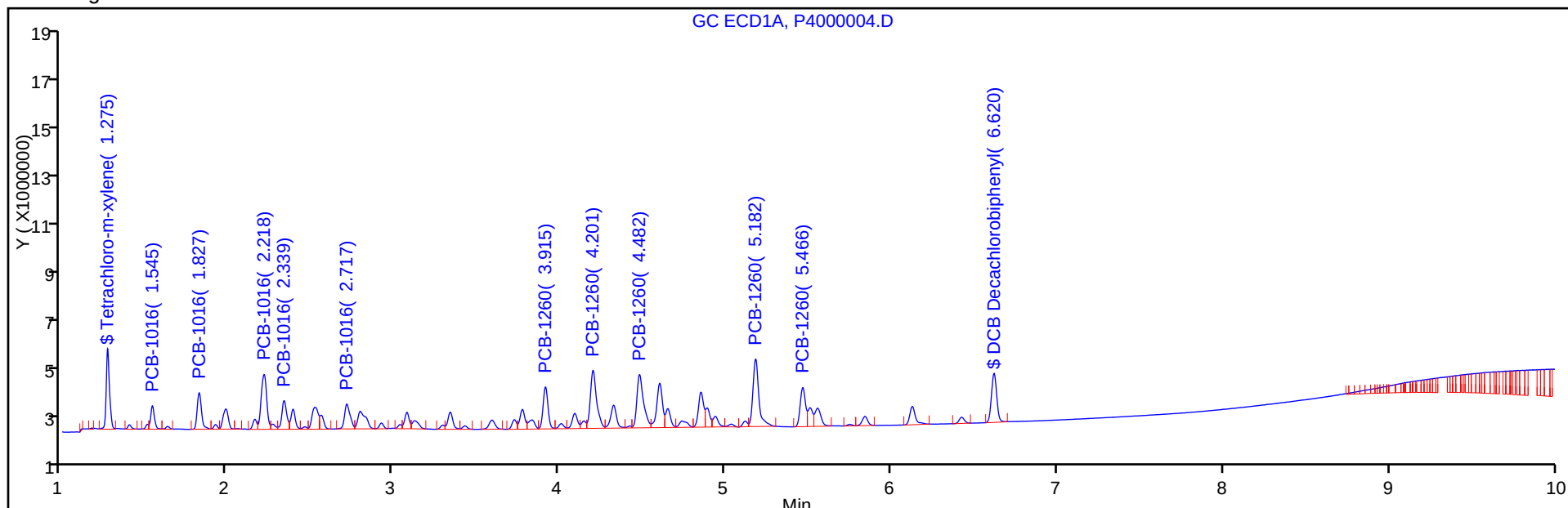
Operator ID:

Injection Vol: 1.0 uL

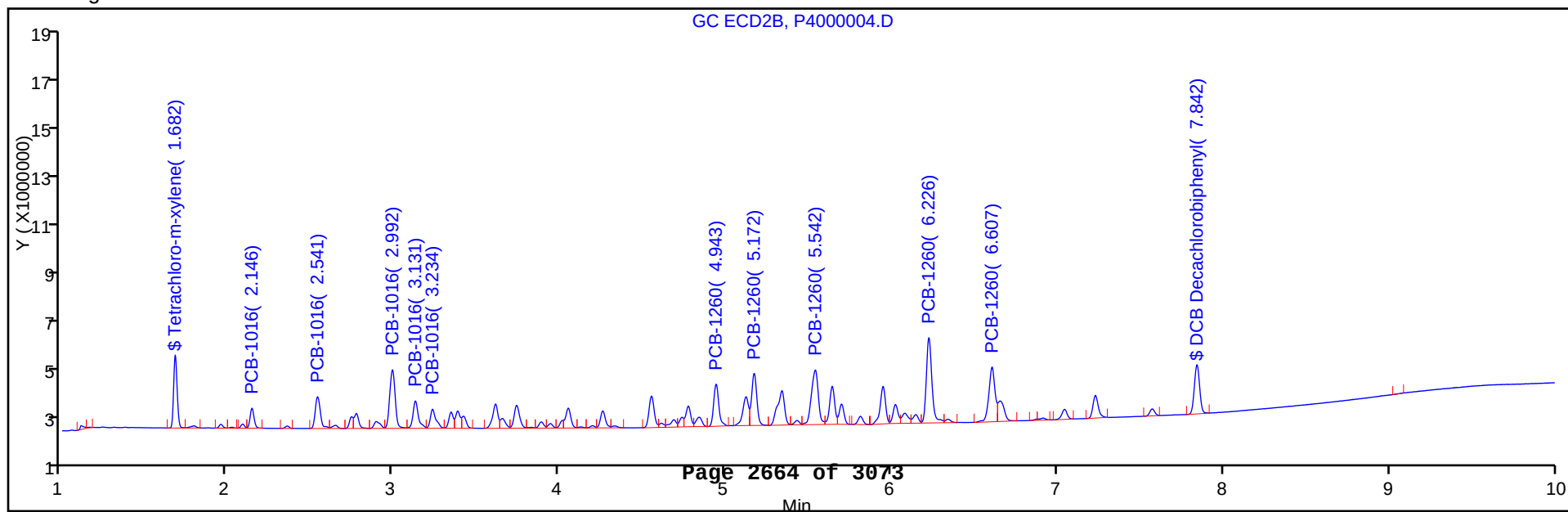
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22852-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MRL 240-82392/4

Matrix: Solid Lab File ID: P4000004.D

Analysis Method: 8082/DOD Date Collected: _____

Extraction Method: _____ Date Extracted: _____

Sample wt/vol: 1(mL) Date Analyzed: 04/17/2013 17:32

Con. Extract Vol.: _____ Dilution Factor: 1

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

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

Analysis Batch No.: 82392 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	0.0565		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	0.0583		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	126	Q	50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130417-18977.b\P4000004.D
 Lims ID: MRL Client ID:
 Inject. Date: 17-Apr-2013 17:32:38 Dil. Factor: 1.0000
 Sample Type: MRL
 Sample ID: 240-0018977-004
 Misc. Info.:
 Operator: Instrument ID: A2HP4
 Injection Vol: 1.0 uL ALS Bottle#: 4
 Lims Batch ID: 82392 Lims Sample ID: 4
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\Ncchrom\ChromData\A2HP4\20130417-18977.b\PCB4.m
 Last Update: 18-Apr-2013 09:31:23 Calib Date: 15-Apr-2013 10:24:45
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK014

First Level Reviewer: hassl

Date: 18-Apr-2013 09:31:04

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

S 1 Polychlorinated biphenyls, Total

1 100 1.000

\$ 2 Tetrachloro-m-xylene

1 44 1.275 1.275 0.000 4673970 0.002951

2 2 1.682 1.683 -0.001 4496668 0.002850

RPD = 3.50

3 PCB-1221

1 2 1.406

1 3 1.514

1 4 1.543

2 4 1.956

2 5 2.087

2 6 2.144

4 PCB-1232

1 100 1.543

1 2 1.824

1 3 2.216

1 4 2.336

1 5 2.714

2 6 2.143

2 7 2.538

2 8 2.989

2 9 3.128

2 10 3.736

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									
1	100		1.543						
1	2		1.825						
1	3		2.216						
1	4		2.336						
1	5		2.715						
2	6		2.142						
2	7		2.538						
2	8		2.990						
2	9		3.128						
2	10		3.738						
6 PCB-1016									
1	100	1.545	1.545	0.000	1543512	0.0569		100.0	
1	2	1.827	1.828	-0.001	2800344	0.0572	156.0- 206.0	181.4	
1	3	2.218	2.219	-0.001	5385049	0.0576	312.4- 362.4	348.9	
1	4	2.339	2.340	-0.001	2462707	0.0587	118.7- 188.7	159.6	
1	5	2.717	2.718	-0.001	2460719	0.0580	125.6- 175.6	159.4	
Average of Peak Amounts =						0.0577			
2	6	2.146	2.145	0.001	1386903	0.0541		100.0	
2	7	2.541	2.541	0.000	2900542	0.0571	169.6- 229.6	209.1	
2	8	2.992	2.992	0.000	5648237	0.0568	351.4- 411.4	407.3	
2	9	3.131	3.130	0.001	2597384	0.0590	141.3- 201.3	187.3	
2	10	3.234	3.234	0.000	1893605	0.0553	102.5- 162.5	136.5	
Average of Peak Amounts =						0.0565			
						RPD = 2.13			
7 PCB-1248									
1	86		1.824						
1	2		2.215						
1	3		2.715						
1	4		3.292						
1	5		3.725						
2	6		2.538						
2	7		2.989						
2	8		3.737						
2	9		4.013						
2	10		4.735						
8 PCB-1254									
1	100		3.339						
1	2		3.725						
1	3		4.008						
1	4		4.197						
1	5		4.480						
2	6		4.258						
2	7		4.734						
2	8		4.979						
2	9		5.340						
2	10		5.541						

Data File: \\Ncchrom\ChromData\A2HP4\20130417-18977.b\P4000004.D

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

10 PCB-1260

1	100	3.915	3.915	0.000	3641254	0.0584		100.0	
1	2	4.201	4.201	0.000	6435155	0.0584	152.2- 202.2	176.7	
1	3	4.482	4.482	0.000	6266927	0.0582	146.4- 196.4	172.1	
1	4	5.182	5.181	0.001	7081987	0.0547	180.7- 230.7	194.5	
1	5	5.466	5.465	0.001	3648380	0.0626	64.1- 114.1	100.2	
Average of Peak Amounts =						0.0585			
2	6	4.943	4.942	0.001	3833235	0.0557		100.0	
2	7	5.172	5.171	0.001	4764686	0.0597	87.6- 147.6	124.3	
2	8	5.542	5.540	0.002	6662176	0.0564	144.7- 204.7	173.8	
2	9	6.226	6.225	0.001	8392656	0.0576	187.7- 247.7	218.9	
2	10	6.607	6.606	0.001	6000980	0.0621	115.0- 175.0	156.6	
Average of Peak Amounts =						0.0583			

RPD = 0.32

9 PCB-1262

1	100		4.202						
1	2		4.604						
1	3		4.850						
1	4		5.179						
1	5		5.553						
2	6		5.171						
2	7		5.642						
2	8		5.947						
2	9		6.223						
2	10		6.602						

11 PCB-1268

1	100		5.511						
1	2		5.548						
1	3		5.747						
1	4		6.124						
1	5		6.422						
2	6		6.601						
2	7		6.649						
2	8		6.912						
2	9		7.228						
2	10		7.571						

\$ 12 DCB Decachlorobiphenyl

1	100	6.620	6.619	0.001	4573107	0.003425			
2	2	7.842	7.840	0.002	4590955	0.003152			

RPD = 8.31

Report Date: 18-Apr-2013 09:31:25

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130417-18977.b\P4000004.D

Injection Date: 17-Apr-2013 17:32:38

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP4

Lims Batch ID: 82392

Lims Sample ID: 4

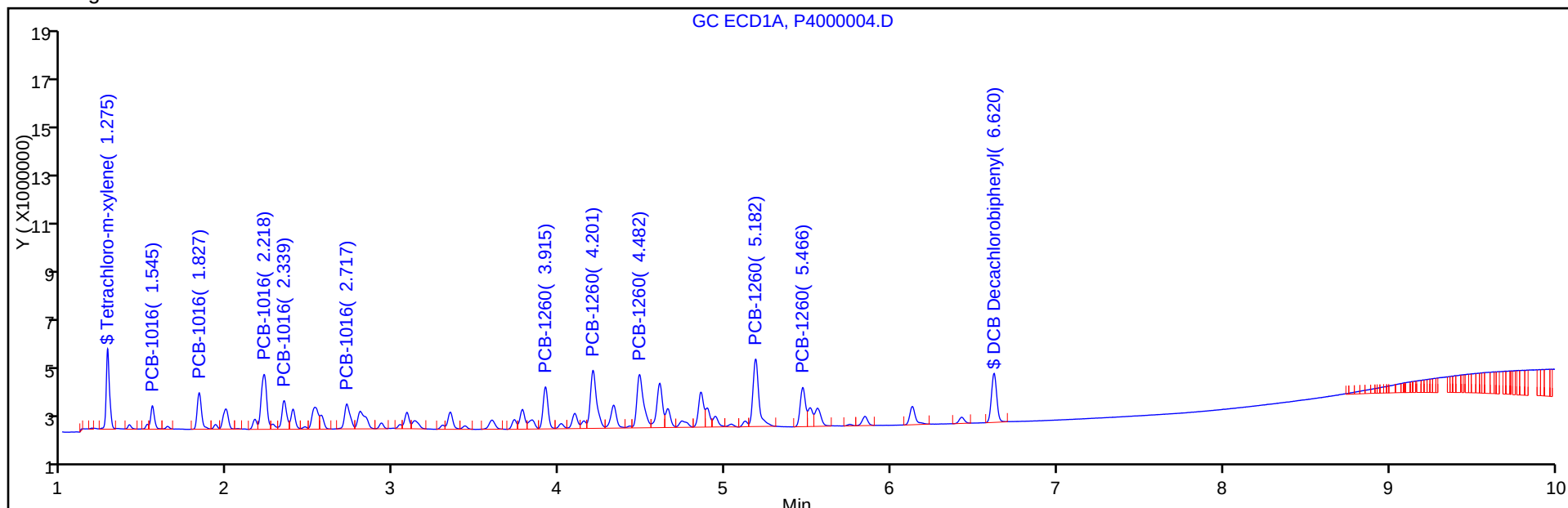
Operator ID:

Injection Vol: 1.0 uL

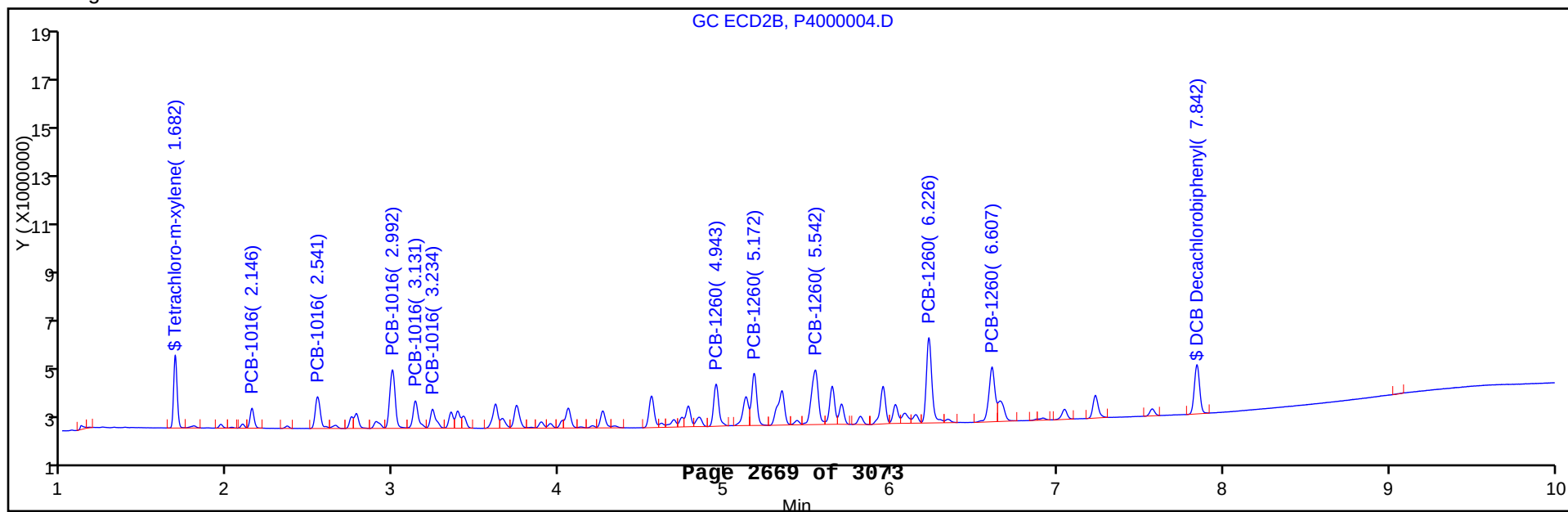
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22852-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MRL 240-82392/12

Matrix: Solid Lab File ID: P4000012.D

Analysis Method: 8082/DOD Date Collected: _____

Extraction Method: _____ Date Extracted: _____

Sample wt/vol: 1(mL) Date Analyzed: 04/17/2013 19:37

Con. Extract Vol.: _____ Dilution Factor: 1

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

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

Analysis Batch No.: 82392 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	0.0594		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	0.0580		0.050	0.00020	0.017

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	122		50-150
2051-24-3	DCB Decachlorobiphenyl	138	Q	50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130417-18977.b\P4000012.D
 Lims ID: MRL Client ID:
 Inject. Date: 17-Apr-2013 19:37:35 Dil. Factor: 1.0000
 Sample Type: MRL
 Sample ID: 240-0018977-012
 Misc. Info.:
 Operator: Instrument ID: A2HP4
 Injection Vol: 1.0 uL ALS Bottle#: 12
 Lims Batch ID: 82392 Lims Sample ID: 12
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\Ncchrom\ChromData\A2HP4\20130417-18977.b\PCB4.m
 Last Update: 18-Apr-2013 09:31:35 Calib Date: 15-Apr-2013 10:24:45
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK014

First Level Reviewer: hassl

Date: 18-Apr-2013 09:30:05

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

S 1 Polychlorinated biphenyls, Total

1 100 1.000

\$ 2 Tetrachloro-m-xylene

1 44 1.276 1.277 -0.001 4842485 0.003058

2 2 1.684 1.684 0.000 4516920 0.002863

RPD = 6.59

3 PCB-1221

1 2 1.406

1 3 1.514

1 4 1.543

2 4 1.956

2 5 2.087

2 6 2.144

4 PCB-1232

1 100 1.543

1 2 1.824

1 3 2.216

1 4 2.336

1 5 2.714

2 6 2.143

2 7 2.538

2 8 2.989

2 9 3.128

2 10 3.736

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									
1	100		1.543						
1	2		1.825						
1	3		2.216						
1	4		2.336						
1	5		2.715						
2	6		2.142						
2	7		2.538						
2	8		2.990						
2	9		3.128						
2	10		3.738						
6 PCB-1016									
1	100	1.546	1.547	-0.001	1558061	0.0574		100.0	
1	2	1.828	1.829	-0.001	2868535	0.0586	156.0- 206.0	184.1	
1	3	2.219	2.220	-0.001	5623161	0.0602	312.4- 362.4	360.9	
1	4	2.339	2.341	-0.002	2539240	0.0605	118.7- 188.7	163.0	
1	5	2.718	2.718	0.000	2553109	0.0602	125.6- 175.6	163.9	
Average of Peak Amounts =						0.0594			
2	6	2.146	2.147	-0.001	1429384	0.0557		100.0	
2	7	2.542	2.542	0.000	2872806	0.0566	169.6- 229.6	201.0	
2	8	2.994	2.994	0.000	5662439	0.0570	351.4- 411.4	396.1	
2	9	3.132	3.132	0.000	2543466	0.0578	141.3- 201.3	177.9	
2	10	3.235	3.235	0.000	1911631	0.0558	102.5- 162.5	133.7	
Average of Peak Amounts =						0.0566			
						RPD = 4.84			
7 PCB-1248									
1	86		1.824						
1	2		2.215						
1	3		2.715						
1	4		3.292						
1	5		3.725						
2	6		2.538						
2	7		2.989						
2	8		3.737						
2	9		4.013						
2	10		4.735						
8 PCB-1254									
1	100		3.339						
1	2		3.725						
1	3		4.008						
1	4		4.197						
1	5		4.480						
2	6		4.258						
2	7		4.734						
2	8		4.979						
2	9		5.340						
2	10		5.541						

Data File: \\Ncchrom\ChromData\A2HP4\20130417-18977.b\P4000012.D

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

10 PCB-1260

1	100	3.915	3.915	0.000	3580510	0.0574		100.0	
1	2	4.201	4.201	0.000	6167152	0.0560	152.2- 202.2	172.2	
1	3	4.482	4.480	0.002	6086538	0.0565	146.4- 196.4	170.0	
1	4	5.181	5.182	-0.001	7245937	0.0560	180.7- 230.7	202.4	
1	5	5.466	5.465	0.001	3745781	0.0643	64.1- 114.1	104.6	
Average of Peak Amounts =						0.0580			
2	6	4.944	4.943	0.001	3852953	0.0560		100.0	
2	7	5.174	5.173	0.001	4609347	0.0577	87.6- 147.6	119.6	
2	8	5.542	5.542	0.000	6763002	0.0572	144.7- 204.7	175.5	
2	9	6.226	6.226	0.000	8414529	0.0577	187.7- 247.7	218.4	
2	10	6.608	6.607	0.001	5953902	0.0616	115.0- 175.0	154.5	
Average of Peak Amounts =						0.0581			

RPD = 0.02

9 PCB-1262

1	100		4.202						
1	2		4.604						
1	3		4.850						
1	4		5.179						
1	5		5.553						
2	6		5.171						
2	7		5.642						
2	8		5.947						
2	9		6.223						
2	10		6.602						

11 PCB-1268

1	100		5.511						
1	2		5.548						
1	3		5.747						
1	4		6.124						
1	5		6.422						
2	6		6.601						
2	7		6.649						
2	8		6.912						
2	9		7.228						
2	10		7.571						

\$ 12 DCB Decachlorobiphenyl

1	100	6.619	6.619	0.000	4618656	0.003459			
2	2	7.842	7.842	0.000	5441902	0.003736			

RPD = 7.70

Report Date: 18-Apr-2013 09:31:37

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130417-18977.b\P4000012.D

Injection Date: 17-Apr-2013 19:37:35

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP4

Lims Batch ID: 82392

Lims Sample ID: 12

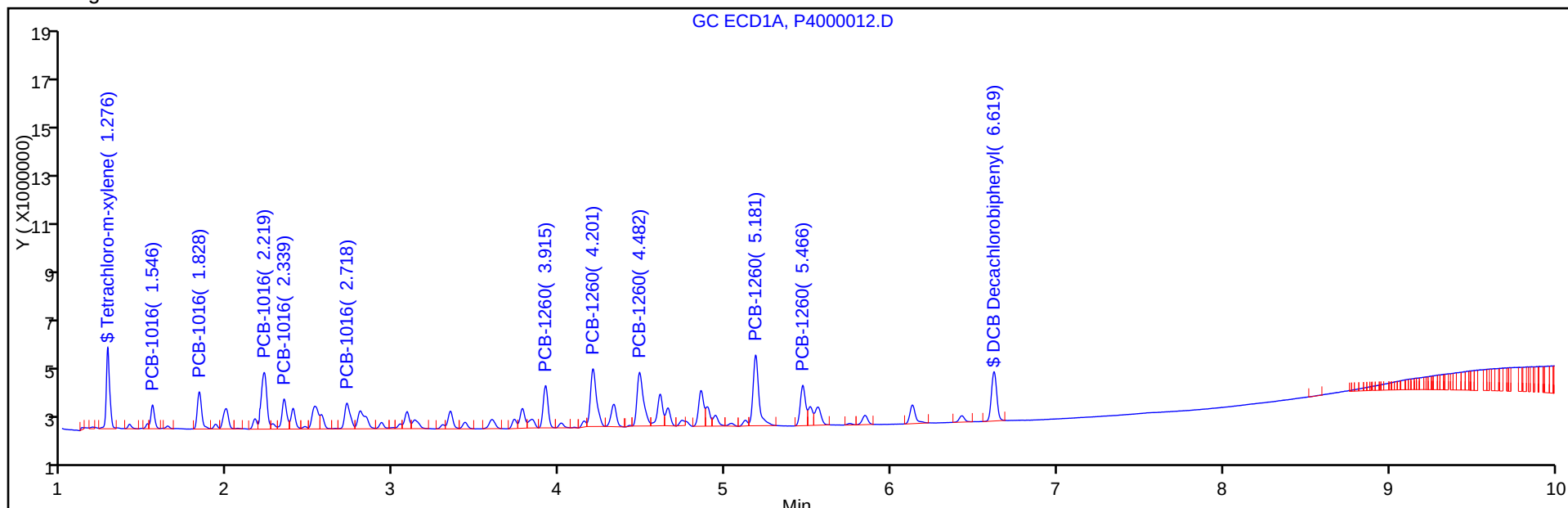
Operator ID:

Injection Vol: 1.0 uL

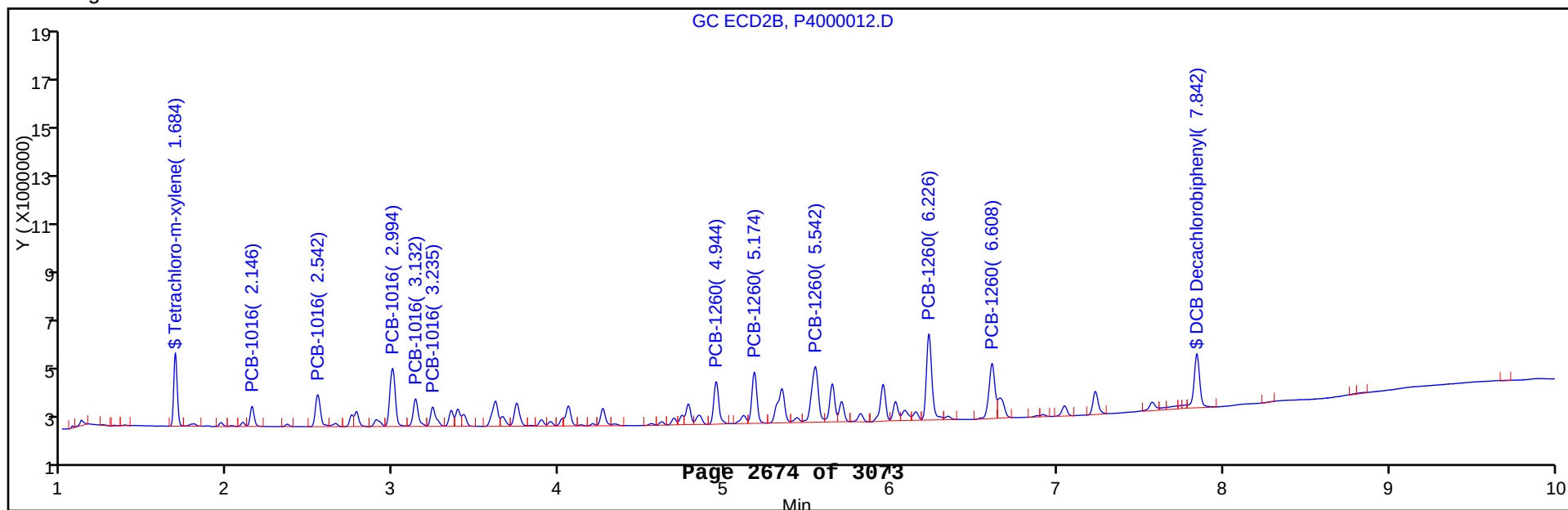
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22852-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MRL 240-82392/12

Matrix: Solid Lab File ID: P4000012.D

Analysis Method: 8082/DOD Date Collected: _____

Extraction Method: _____ Date Extracted: _____

Sample wt/vol: 1(mL) Date Analyzed: 04/17/2013 19:37

Con. Extract Vol.: _____ Dilution Factor: 1

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

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

Analysis Batch No.: 82392 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	0.0566		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	0.0581		0.050	0.00020	0.017

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	115		50-150
2051-24-3	DCB Decachlorobiphenyl	149	Q	50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130417-18977.b\P4000012.D
 Lims ID: MRL Client ID:
 Inject. Date: 17-Apr-2013 19:37:35 Dil. Factor: 1.0000
 Sample Type: MRL
 Sample ID: 240-0018977-012
 Misc. Info.:
 Operator: Instrument ID: A2HP4
 Injection Vol: 1.0 uL ALS Bottle#: 12
 Lims Batch ID: 82392 Lims Sample ID: 12
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\Ncchrom\ChromData\A2HP4\20130417-18977.b\PCB4.m
 Last Update: 18-Apr-2013 09:31:35 Calib Date: 15-Apr-2013 10:24:45
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A2HP4\20130412-18824.b\P4000044.D
 Limit Group: GC 8082A ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK014

First Level Reviewer: hassl

Date: 18-Apr-2013 09:30:05

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

S 1 Polychlorinated biphenyls, Total

1 100 1.000

\$ 2 Tetrachloro-m-xylene

1 44 1.276 1.277 -0.001 4842485 0.003058

2 2 1.684 1.684 0.000 4516920 0.002863

RPD = 6.59

3 PCB-1221

1 2 1.406

1 3 1.514

1 4 1.543

2 4 1.956

2 5 2.087

2 6 2.144

4 PCB-1232

1 100 1.543

1 2 1.824

1 3 2.216

1 4 2.336

1 5 2.714

2 6 2.143

2 7 2.538

2 8 2.989

2 9 3.128

2 10 3.736

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									
1	100		1.543						
1	2		1.825						
1	3		2.216						
1	4		2.336						
1	5		2.715						
2	6		2.142						
2	7		2.538						
2	8		2.990						
2	9		3.128						
2	10		3.738						
6 PCB-1016									
1	100	1.546	1.547	-0.001	1558061	0.0574		100.0	
1	2	1.828	1.829	-0.001	2868535	0.0586	156.0- 206.0	184.1	
1	3	2.219	2.220	-0.001	5623161	0.0602	312.4- 362.4	360.9	
1	4	2.339	2.341	-0.002	2539240	0.0605	118.7- 188.7	163.0	
1	5	2.718	2.718	0.000	2553109	0.0602	125.6- 175.6	163.9	
Average of Peak Amounts =						0.0594			
2	6	2.146	2.147	-0.001	1429384	0.0557		100.0	
2	7	2.542	2.542	0.000	2872806	0.0566	169.6- 229.6	201.0	
2	8	2.994	2.994	0.000	5662439	0.0570	351.4- 411.4	396.1	
2	9	3.132	3.132	0.000	2543466	0.0578	141.3- 201.3	177.9	
2	10	3.235	3.235	0.000	1911631	0.0558	102.5- 162.5	133.7	
Average of Peak Amounts =						0.0566			
						RPD = 4.84			
7 PCB-1248									
1	86		1.824						
1	2		2.215						
1	3		2.715						
1	4		3.292						
1	5		3.725						
2	6		2.538						
2	7		2.989						
2	8		3.737						
2	9		4.013						
2	10		4.735						
8 PCB-1254									
1	100		3.339						
1	2		3.725						
1	3		4.008						
1	4		4.197						
1	5		4.480						
2	6		4.258						
2	7		4.734						
2	8		4.979						
2	9		5.340						
2	10		5.541						

Data File: \\Ncchrom\ChromData\A2HP4\20130417-18977.b\P4000012.D

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

10 PCB-1260

1	100	3.915	3.915	0.000	3580510	0.0574		100.0	
1	2	4.201	4.201	0.000	6167152	0.0560	152.2- 202.2	172.2	
1	3	4.482	4.480	0.002	6086538	0.0565	146.4- 196.4	170.0	
1	4	5.181	5.182	-0.001	7245937	0.0560	180.7- 230.7	202.4	
1	5	5.466	5.465	0.001	3745781	0.0643	64.1- 114.1	104.6	
Average of Peak Amounts =						0.0580			
2	6	4.944	4.943	0.001	3852953	0.0560		100.0	
2	7	5.174	5.173	0.001	4609347	0.0577	87.6- 147.6	119.6	
2	8	5.542	5.542	0.000	6763002	0.0572	144.7- 204.7	175.5	
2	9	6.226	6.226	0.000	8414529	0.0577	187.7- 247.7	218.4	
2	10	6.608	6.607	0.001	5953902	0.0616	115.0- 175.0	154.5	
Average of Peak Amounts =						0.0581			

RPD = 0.02

9 PCB-1262

1	100		4.202						
1	2		4.604						
1	3		4.850						
1	4		5.179						
1	5		5.553						
2	6		5.171						
2	7		5.642						
2	8		5.947						
2	9		6.223						
2	10		6.602						

11 PCB-1268

1	100		5.511						
1	2		5.548						
1	3		5.747						
1	4		6.124						
1	5		6.422						
2	6		6.601						
2	7		6.649						
2	8		6.912						
2	9		7.228						
2	10		7.571						

\$ 12 DCB Decachlorobiphenyl

1	100	6.619	6.619	0.000	4618656	0.003459			
2	2	7.842	7.842	0.000	5441902	0.003736			

RPD = 7.70

Report Date: 18-Apr-2013 09:31:37

Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130417-18977.b\P4000012.D

Injection Date: 17-Apr-2013 19:37:35

Limit Group: GC 8082A ICAL

Client ID:

Instrument ID: A2HP4

Lims Batch ID: 82392

Lims Sample ID: 12

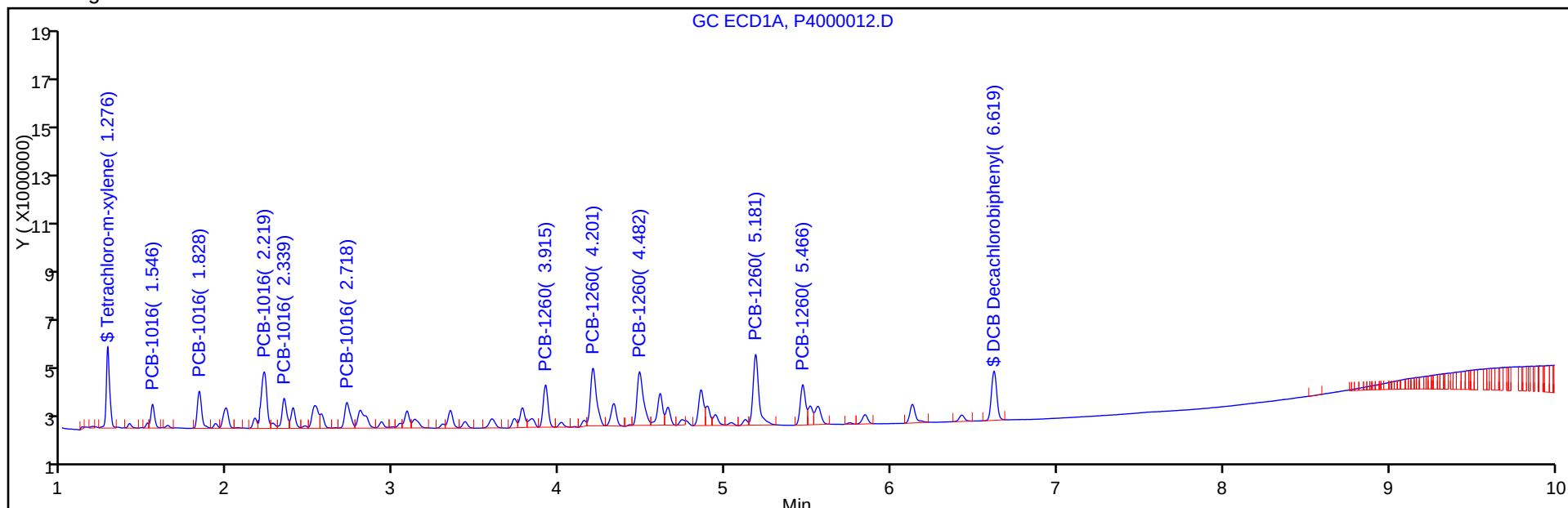
Operator ID:

Injection Vol: 1.0 uL

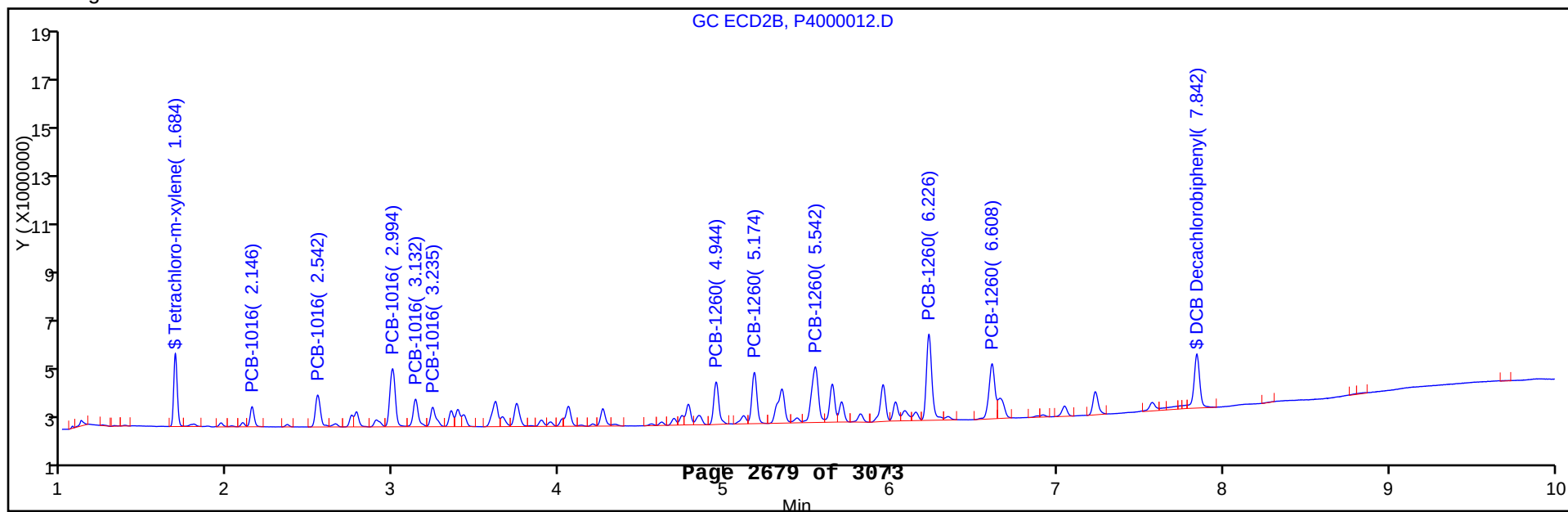
Column Type:

Column Dia:

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica CantonJob No.: 240-22852-1

SDG No.: _____

Instrument ID: A2HP4Start Date: 04/14/2013 23:42Analysis Batch Number: 81761End Date: 04/15/2013 12:30

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
STD005 240-81761/3 IC		04/14/2013 23:42	1	P4000003.D	CLP-1 0.53 (mm)
STD005 240-81761/3 IC		04/14/2013 23:42	1	P4000003.D	CLP-2 0.53 (mm)
STD01 240-81761/4 IC		04/14/2013 23:57	1	P4000004.D	CLP-1 0.53 (mm)
STD01 240-81761/4 IC		04/14/2013 23:57	1	P4000004.D	CLP-2 0.53 (mm)
STD02 240-81761/5 IC		04/15/2013 00:13	1	P4000005.D	CLP-1 0.53 (mm)
STD02 240-81761/5 IC		04/15/2013 00:13	1	P4000005.D	CLP-2 0.53 (mm)
STD05 240-81761/6 IC		04/15/2013 00:29	1	P4000006.D	CLP-1 0.53 (mm)
STD05 240-81761/6 IC		04/15/2013 00:29	1	P4000006.D	CLP-2 0.53 (mm)
STD1 240-81761/7 IC		04/15/2013 00:44	1	P4000007.D	CLP-1 0.53 (mm)
STD1 240-81761/7 IC		04/15/2013 00:44	1	P4000007.D	CLP-2 0.53 (mm)
STD2 240-81761/8 IC		04/15/2013 01:00	1	P4000008.D	CLP-1 0.53 (mm)
STD2 240-81761/8 IC		04/15/2013 01:00	1	P4000008.D	CLP-2 0.53 (mm)
STD005 240-81761/9 IC		04/15/2013 01:16	1	P4000009.D	CLP-1 0.53 (mm)
STD005 240-81761/9 IC		04/15/2013 01:16	1	P4000009.D	CLP-2 0.53 (mm)
STD01 240-81761/10 IC		04/15/2013 01:31	1	P4000010.D	CLP-1 0.53 (mm)
STD01 240-81761/10 IC		04/15/2013 01:31	1	P4000010.D	CLP-2 0.53 (mm)
STD02 240-81761/11 IC		04/15/2013 01:47	1	P4000011.D	CLP-1 0.53 (mm)
STD02 240-81761/11 IC		04/15/2013 01:47	1	P4000011.D	CLP-2 0.53 (mm)
STD05 240-81761/12 IC		04/15/2013 02:03	1	P4000012.D	CLP-1 0.53 (mm)
STD05 240-81761/12 IC		04/15/2013 02:03	1	P4000012.D	CLP-2 0.53 (mm)
STD1 240-81761/13 IC		04/15/2013 02:19	1	P4000013.D	CLP-1 0.53 (mm)
STD1 240-81761/13 IC		04/15/2013 02:19	1	P4000013.D	CLP-2 0.53 (mm)
STD2 240-81761/14 IC		04/15/2013 02:34	1	P4000014.D	CLP-1 0.53 (mm)
STD2 240-81761/14 IC		04/15/2013 02:34	1	P4000014.D	CLP-2 0.53 (mm)
STD005 240-81761/15 IC		04/15/2013 02:50	1	P4000015.D	CLP-1 0.53 (mm)
STD005 240-81761/15 IC		04/15/2013 02:50	1	P4000015.D	CLP-2 0.53 (mm)
STD01 240-81761/16 IC		04/15/2013 03:06	1	P4000016.D	CLP-1 0.53 (mm)
STD01 240-81761/16 IC		04/15/2013 03:06	1	P4000016.D	CLP-2 0.53 (mm)
STD02 240-81761/17 IC		04/15/2013 03:21	1	P4000017.D	CLP-1 0.53 (mm)
STD02 240-81761/17 IC		04/15/2013 03:21	1	P4000017.D	CLP-2 0.53 (mm)
STD05 240-81761/18 IC		04/15/2013 03:37	1	P4000018.D	CLP-1 0.53 (mm)
STD05 240-81761/18 IC		04/15/2013 03:37	1	P4000018.D	CLP-2 0.53 (mm)
STD1 240-81761/19 IC		04/15/2013 03:53	1	P4000019.D	CLP-1 0.53 (mm)
STD1 240-81761/19 IC		04/15/2013 03:53	1	P4000019.D	CLP-2 0.53 (mm)
STD2 240-81761/20 IC		04/15/2013 04:08	1	P4000020.D	CLP-1 0.53 (mm)
STD2 240-81761/20 IC		04/15/2013 04:08	1	P4000020.D	CLP-2 0.53 (mm)
STD005 240-81761/21 IC		04/15/2013 04:24	1	P4000021.D	CLP-1 0.53 (mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica CantonJob No.: 240-22852-1

SDG No.: _____

Instrument ID: A2HP4Start Date: 04/14/2013 23:42Analysis Batch Number: 81761End Date: 04/15/2013 12:30

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
STD005 240-81761/21 IC		04/15/2013 04:24	1	P4000021.D	CLP-2 0.53 (mm)
STD01 240-81761/22 IC		04/15/2013 04:40	1	P4000022.D	CLP-1 0.53 (mm)
STD01 240-81761/22 IC		04/15/2013 04:40	1	P4000022.D	CLP-2 0.53 (mm)
STD02 240-81761/23 IC		04/15/2013 04:55	1	P4000023.D	CLP-1 0.53 (mm)
STD02 240-81761/23 IC		04/15/2013 04:55	1	P4000023.D	CLP-2 0.53 (mm)
STD05 240-81761/24 IC		04/15/2013 05:11	1	P4000024.D	CLP-1 0.53 (mm)
STD05 240-81761/24 IC		04/15/2013 05:11	1	P4000024.D	CLP-2 0.53 (mm)
STD1 240-81761/25 IC		04/15/2013 05:27	1	P4000025.D	CLP-1 0.53 (mm)
STD1 240-81761/25 IC		04/15/2013 05:27	1	P4000025.D	CLP-2 0.53 (mm)
STD2 240-81761/26 IC		04/15/2013 05:42	1	P4000026.D	CLP-1 0.53 (mm)
STD2 240-81761/26 IC		04/15/2013 05:42	1	P4000026.D	CLP-2 0.53 (mm)
STD005 240-81761/27 IC		04/15/2013 05:58	1	P4000027.D	CLP-1 0.53 (mm)
STD005 240-81761/27 IC		04/15/2013 05:58	1	P4000027.D	CLP-2 0.53 (mm)
STD01 240-81761/28 IC		04/15/2013 06:13	1	P4000028.D	CLP-1 0.53 (mm)
STD01 240-81761/28 IC		04/15/2013 06:13	1	P4000028.D	CLP-2 0.53 (mm)
STD02 240-81761/29 IC		04/15/2013 06:29	1	P4000029.D	CLP-1 0.53 (mm)
STD02 240-81761/29 IC		04/15/2013 06:29	1	P4000029.D	CLP-2 0.53 (mm)
STD05 240-81761/30 ICRT		04/15/2013 06:45	1	P4000030.D	CLP-1 0.53 (mm)
STD05 240-81761/30 ICRT		04/15/2013 06:45	1	P4000030.D	CLP-2 0.53 (mm)
STD1 240-81761/31 IC		04/15/2013 07:00	1	P4000031.D	CLP-1 0.53 (mm)
STD1 240-81761/31 IC		04/15/2013 07:00	1	P4000031.D	CLP-2 0.53 (mm)
STD2 240-81761/32 IC		04/15/2013 07:16	1	P4000032.D	CLP-1 0.53 (mm)
STD2 240-81761/32 IC		04/15/2013 07:16	1	P4000032.D	CLP-2 0.53 (mm)
STD005 240-81761/33 IC		04/15/2013 07:32	1		CLP-1 0.53 (mm)
STD005 240-81761/33 IC		04/15/2013 07:32	1		CLP-2 0.53 (mm)
STD01 240-81761/34 IC		04/15/2013 07:48	1		CLP-1 0.53 (mm)
STD01 240-81761/34 IC		04/15/2013 07:48	1		CLP-2 0.53 (mm)
STD02 240-81761/35 IC		04/15/2013 08:03	1		CLP-1 0.53 (mm)
STD02 240-81761/35 IC		04/15/2013 08:03	1		CLP-2 0.53 (mm)
STD05 240-81761/36 IC		04/15/2013 08:19	1		CLP-1 0.53 (mm)
STD05 240-81761/36 IC		04/15/2013 08:19	1		CLP-2 0.53 (mm)
STD1 240-81761/37 IC		04/15/2013 08:35	1		CLP-1 0.53 (mm)
STD1 240-81761/37 IC		04/15/2013 08:35	1		CLP-2 0.53 (mm)
STD2 240-81761/38 IC		04/15/2013 08:50	1		CLP-1 0.53 (mm)
STD2 240-81761/38 IC		04/15/2013 08:50	1		CLP-2 0.53 (mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-22852-1

SDG No.: _____

Instrument ID: A2HP4 Start Date: 04/14/2013 23:42Analysis Batch Number: 81761 End Date: 04/15/2013 12:30

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
STD005 240-81761/39 IC		04/15/2013 09:06	1		CLP-1 0.53 (mm)
STD005 240-81761/39 IC		04/15/2013 09:06	1		CLP-2 0.53 (mm)
STD01 240-81761/40 IC		04/15/2013 09:22	1		CLP-1 0.53 (mm)
STD01 240-81761/40 IC		04/15/2013 09:22	1		CLP-2 0.53 (mm)
STD02 240-81761/41 IC		04/15/2013 09:37	1		CLP-1 0.53 (mm)
STD02 240-81761/41 IC		04/15/2013 09:37	1		CLP-2 0.53 (mm)
STD05 240-81761/42 IC		04/15/2013 09:53	1		CLP-1 0.53 (mm)
STD05 240-81761/42 IC		04/15/2013 09:53	1		CLP-2 0.53 (mm)
STD1 240-81761/43 IC		04/15/2013 10:09	1		CLP-1 0.53 (mm)
STD1 240-81761/43 IC		04/15/2013 10:09	1		CLP-2 0.53 (mm)
STD2 240-81761/44 IC		04/15/2013 10:24	1		CLP-1 0.53 (mm)
STD2 240-81761/44 IC		04/15/2013 10:24	1		CLP-2 0.53 (mm)
ICV 240-81761/45		04/15/2013 10:40	1	P4000045.D	CLP-1 0.53 (mm)
ICV 240-81761/45		04/15/2013 10:40	1	P4000045.D	CLP-2 0.53 (mm)
ICV 240-81761/46		04/15/2013 10:56	1	P4000046.D	CLP-1 0.53 (mm)
ICV 240-81761/46		04/15/2013 10:56	1	P4000046.D	CLP-2 0.53 (mm)
ICV 240-81761/47		04/15/2013 11:11	1	P4000047.D	CLP-1 0.53 (mm)
ICV 240-81761/47		04/15/2013 11:11	1	P4000047.D	CLP-2 0.53 (mm)
ICV 240-81761/48		04/15/2013 11:27	1	P4000048.D	CLP-1 0.53 (mm)
ICV 240-81761/48		04/15/2013 11:27	1	P4000048.D	CLP-2 0.53 (mm)
ICV 240-81761/49		04/15/2013 11:43	1	P4000049.D	CLP-1 0.53 (mm)
ICV 240-81761/49		04/15/2013 11:43	1	P4000049.D	CLP-2 0.53 (mm)
ICV 240-81761/50		04/15/2013 11:58	1	P4000050.D	CLP-1 0.53 (mm)
ICV 240-81761/50		04/15/2013 11:58	1	P4000050.D	CLP-2 0.53 (mm)
ICV 240-81761/51		04/15/2013 12:14	1		CLP-1 0.53 (mm)
ICV 240-81761/51		04/15/2013 12:14	1		CLP-2 0.53 (mm)
ICV 240-81761/52		04/15/2013 12:30	1		CLP-1 0.53 (mm)
ICV 240-81761/52		04/15/2013 12:30	1		CLP-2 0.53 (mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica CantonJob No.: 240-22852-1

SDG No.: _____

Instrument ID: A2HP4Start Date: 04/18/2013 09:37Analysis Batch Number: 82363End Date: 04/18/2013 15:37

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 240-82363/3 CCVRT		04/18/2013 09:37	1	P4000003.D	CLP-1 0.53 (mm)
CCV 240-82363/3 CCVRT		04/18/2013 09:37	1	P4000003.D	CLP-2 0.53 (mm)
MRL 240-82363/4		04/18/2013 09:52	1	P4000004.D	CLP-1 0.53 (mm)
MRL 240-82363/4		04/18/2013 09:52	1	P4000004.D	CLP-2 0.53 (mm)
ZZZZZ		04/18/2013 10:08	1		CLP-1 0.53 (mm)
ZZZZZ		04/18/2013 10:08	1		CLP-2 0.53 (mm)
ZZZZZ		04/18/2013 10:24	1		CLP-1 0.53 (mm)
ZZZZZ		04/18/2013 10:24	1		CLP-2 0.53 (mm)
ZZZZZ		04/18/2013 10:39	1		CLP-1 0.53 (mm)
ZZZZZ		04/18/2013 10:39	1		CLP-2 0.53 (mm)
ZZZZZ		04/18/2013 10:55	1		CLP-1 0.53 (mm)
ZZZZZ		04/18/2013 10:55	1		CLP-2 0.53 (mm)
ZZZZZ		04/18/2013 11:11	1		CLP-1 0.53 (mm)
ZZZZZ		04/18/2013 11:11	1		CLP-2 0.53 (mm)
ZZZZZ		04/18/2013 11:26	1		CLP-1 0.53 (mm)
ZZZZZ		04/18/2013 11:26	1		CLP-2 0.53 (mm)
ZZZZZ		04/18/2013 11:42	1		CLP-1 0.53 (mm)
ZZZZZ		04/18/2013 11:42	1		CLP-2 0.53 (mm)
ZZZZZ		04/18/2013 11:57	1		CLP-1 0.53 (mm)
ZZZZZ		04/18/2013 11:57	1		CLP-2 0.53 (mm)
MB 240-81730/20-A		04/18/2013 12:13	1	P4000013.D	CLP-1 0.53 (mm)
MB 240-81730/20-A		04/18/2013 12:13	1	P4000013.D	CLP-2 0.53 (mm)
CCV 240-82363/14		04/18/2013 12:29	1	P4000014.D	CLP-1 0.53 (mm)
CCV 240-82363/14		04/18/2013 12:29	1	P4000014.D	CLP-2 0.53 (mm)
ZZZZZ		04/18/2013 12:44	1		CLP-1 0.53 (mm)
ZZZZZ		04/18/2013 12:44	1		CLP-2 0.53 (mm)
ZZZZZ		04/18/2013 13:00	10		CLP-1 0.53 (mm)
ZZZZZ		04/18/2013 13:00	10		CLP-2 0.53 (mm)
ZZZZZ		04/18/2013 13:16	1		CLP-1 0.53 (mm)
ZZZZZ		04/18/2013 13:16	1		CLP-2 0.53 (mm)
ZZZZZ		04/18/2013 13:31	1		CLP-1 0.53 (mm)
ZZZZZ		04/18/2013 13:31	1		CLP-2 0.53 (mm)
ZZZZZ		04/18/2013 14:34	1		CLP-1 0.53 (mm)
ZZZZZ		04/18/2013 14:34	1		CLP-2 0.53 (mm)
240-22852-1	068SB-0060M-0001,0002 -SO	04/18/2013 14:50	1	P4000023.D	CLP-1 0.53 (mm)
240-22852-1	068SB-0060M-0001,0002 -SO	04/18/2013 14:50	1	P4000023.D	CLP-2 0.53 (mm)
LCS 240-81730/21-A		04/18/2013 15:05	1	P4000024.D	CLP-1 0.53 (mm)
LCS 240-81730/21-A		04/18/2013 15:05	1	P4000024.D	CLP-2 0.53 (mm)
CCV 240-82363/25		04/18/2013 15:21	1	P4000025.D	CLP-1 0.53 (mm)
CCV 240-82363/25		04/18/2013 15:21	1	P4000025.D	CLP-2 0.53 (mm)
MRL 240-82363/26		04/18/2013 15:37	1	P4000026.D	CLP-1 0.53 (mm)
MRL 240-82363/26		04/18/2013 15:37	1	P4000026.D	CLP-2 0.53 (mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-22852-1

SDG No.: _____

Instrument ID: A2HP4 Start Date: 04/17/2013 17:17Analysis Batch Number: 82392 End Date: 04/17/2013 19:37

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 240-82392/3 CCVRT		04/17/2013 17:17	1	P4000003.D	CLP-1 0.53 (mm)
CCV 240-82392/3 CCVRT		04/17/2013 17:17	1	P4000003.D	CLP-2 0.53 (mm)
MRL 240-82392/4		04/17/2013 17:32	1	P4000004.D	CLP-1 0.53 (mm)
MRL 240-82392/4		04/17/2013 17:32	1	P4000004.D	CLP-2 0.53 (mm)
ZZZZZ		04/17/2013 17:48	1		CLP-1 0.53 (mm)
ZZZZZ		04/17/2013 17:48	1		CLP-2 0.53 (mm)
ZZZZZ		04/17/2013 18:03	1		CLP-1 0.53 (mm)
ZZZZZ		04/17/2013 18:03	1		CLP-2 0.53 (mm)
ZZZZZ		04/17/2013 18:19	1		CLP-1 0.53 (mm)
ZZZZZ		04/17/2013 18:19	1		CLP-2 0.53 (mm)
240-22852-2	068SB-0061M-0001-SO	04/17/2013 18:35	1	P4000008.D	CLP-1 0.53 (mm)
240-22852-2	068SB-0061M-0001-SO	04/17/2013 18:35	1	P4000008.D	CLP-2 0.53 (mm)
MB 240-81915/22-A		04/17/2013 18:50	1	P4000009.D	CLP-1 0.53 (mm)
MB 240-81915/22-A		04/17/2013 18:50	1	P4000009.D	CLP-2 0.53 (mm)
LCS 240-81915/23-A		04/17/2013 19:06	1	P4000010.D	CLP-1 0.53 (mm)
LCS 240-81915/23-A		04/17/2013 19:06	1	P4000010.D	CLP-2 0.53 (mm)
CCV 240-82392/11		04/17/2013 19:21	1	P4000011.D	CLP-1 0.53 (mm)
CCV 240-82392/11		04/17/2013 19:21	1	P4000011.D	CLP-2 0.53 (mm)
MRL 240-82392/12		04/17/2013 19:37	1	P4000012.D	CLP-1 0.53 (mm)
MRL 240-82392/12		04/17/2013 19:37	1	P4000012.D	CLP-2 0.53 (mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-22852-1

SDG No.: _____

Instrument ID: A2HP4 Start Date: 04/19/2013 21:58Analysis Batch Number: 82762 End Date: 04/20/2013 00:50

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 240-82762/3 CCVRT		04/19/2013 21:58	1	P4000003.D	CLP-1 0.53 (mm)
CCV 240-82762/3 CCVRT		04/19/2013 21:58	1	P4000003.D	CLP-2 0.53 (mm)
ZZZZZ		04/19/2013 22:14	1		CLP-1 0.53 (mm)
ZZZZZ		04/19/2013 22:14	1		CLP-2 0.53 (mm)
ZZZZZ		04/19/2013 22:29	1		CLP-1 0.53 (mm)
ZZZZZ		04/19/2013 22:29	1		CLP-2 0.53 (mm)
ZZZZZ		04/19/2013 22:45	10		CLP-1 0.53 (mm)
ZZZZZ		04/19/2013 22:45	10		CLP-2 0.53 (mm)
ZZZZZ		04/19/2013 23:01	5		CLP-1 0.53 (mm)
ZZZZZ		04/19/2013 23:01	5		CLP-2 0.53 (mm)
ZZZZZ		04/19/2013 23:16	5		CLP-1 0.53 (mm)
ZZZZZ		04/19/2013 23:16	5		CLP-2 0.53 (mm)
ZZZZZ		04/19/2013 23:47	1		CLP-1 0.53 (mm)
ZZZZZ		04/19/2013 23:47	1		CLP-2 0.53 (mm)
ZZZZZ		04/20/2013 00:03	1		CLP-1 0.53 (mm)
ZZZZZ		04/20/2013 00:03	1		CLP-2 0.53 (mm)
ZZZZZ		04/20/2013 00:18	1		CLP-1 0.53 (mm)
ZZZZZ		04/20/2013 00:18	1		CLP-2 0.53 (mm)
CCV 240-82762/13		04/20/2013 00:34	1	P4000013.D	CLP-1 0.53 (mm)
CCV 240-82762/13		04/20/2013 00:34	1	P4000013.D	CLP-2 0.53 (mm)
ZZZZZ		04/20/2013 00:50	1		CLP-1 0.53 (mm)
ZZZZZ		04/20/2013 00:50	1		CLP-2 0.53 (mm)

PCBS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-22852-1

SDG No.: _____

Batch Number: 81730 Batch Start Date: 04/12/13 14:25 Batch Analyst: Cerne, AmandaBatch Method: 3540C Batch End Date: 04/13/13 06:25

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	EX10PPMSPK 00007	EX2/.2SURRW 00023	AnalysisComment	
240-22852-I-1-A	068SB-0060M-0001 ,0002-SO	3540C, 8082/DOD	T	29.76 g	10 mL		1 mL	Assoc w/ 81726	
MB 240-81730/20		3540C, 8082/DOD		30.00 g	10 mL		1 mL	Assoc w/ 81726	
LCS 240-81730/21		3540C, 8082/DOD		30.00 g	10 mL	1 mL	1 mL		

Batch Notes	
Acid used for Clean Up Reagent	924924
Balance ID	b037
Exchange Solvent Lot #	926689
Na2SO4 Lot Number	857437
Prep Solvent Lot #	928640

Basis	Basis Description
T	Total/NA

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

8082/DOD

Page 1 of 1

PCBS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-22852-1

SDG No.: _____

Batch Number: 81915 Batch Start Date: 04/15/13 14:00 Batch Analyst: Mills, LisaBatch Method: 3540C Batch End Date: 04/16/13 06:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	EX10PPMSPK 00007	EX2/.2SURRW 00023		
240-22852-C-2-A	068SB-0061M-0001 -SO	3540C, 8082/DOD	T	30.02 g	10.0 mL		1 mL		
MB 240-81915/22		3540C, 8082/DOD		30.00 g	10.0 mL		1 mL		
LCS 240-81915/23		3540C, 8082/DOD		30.00 g	10.0 mL	1 mL	1 mL		

Batch Notes	
Acid used for Clean Up Reagent	924924
Balance ID	B036
Exchange Solvent Lot #	926689
Na2SO4 Lot Number	857437
Prep Solvent Lot #	928640

Basis	Basis Description
T	Total/NA

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

8082/DOD

Page 1 of 1

Method 8330

Nitroguanidine

Nitroguanidine (HPLC) by Method 8330

FORM III
HPLC/IC LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Sacramento Job No.: 240-22852-1
SDG No.: _____
Matrix: Solid Level: Low Lab File ID: 320-0004029-028-1.d
Lab ID: LCS 320-14609/2-A Client ID: _____

COMPOUND	SPIKE ADDED (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC	QC LIMITS REC	#
Nitroguanidine	1.00	0.903	90	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 Sacramento Job No.: 240-22852-1
SDG No.: _____
Matrix: Solid Level: Low Lab File ID: 320-0004029-030-1.d
Lab ID: 240-22852-1 MS Client ID: 068SB-0060M-0001,0002-SO MS

COMPOUND	SPIKE ADDED (mg/Kg)	SAMPLE CONCENTRATION (mg/Kg)	MS CONCENTRATION (mg/Kg)	MS % REC	QC LIMITS REC	#
Nitroguanidine	0.957	0.039 U	0.855	89	72-121	

Column to be used to flag recovery and RPD values

FORM III
HPLC/IC MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Sacramento Job No.: 240-22852-1
SDG No.: _____
Matrix: Solid Level: Low Lab File ID: 320-0004029-031-1.d
Lab ID: 240-22852-1 MSD Client ID: 068SB-0060M-0001,0002-SO MSD

COMPOUND	SPIKE ADDED (mg/Kg)	MSD CONCENTRATION (mg/Kg)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Nitroguanidine	0.990	0.878	89	3	20	72-121	

Column to be used to flag recovery and RPD values

FORM IV
HPLC/IC METHOD BLANK SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22852-1
SDG No.: _____
Lab File ID: 320-0004029-027-1.d Lab Sample ID: MB 320-14609/1-A
Matrix: Solid Date Extracted: 04/18/2013 09:31
Instrument ID: PDA1 Date Analyzed: 04/22/2013 20:23
Level: (Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 320-14609/2-A	320-0004029 -028-1.d	04/22/2013 20:41
068SB-0060M-0001,0002-SO	240-22852-1	320-0004029 -029-1.d	04/22/2013 20:59
068SB-0060M-0001,0002-SO MS	240-22852-1 MS	320-0004029 -030-1.d	04/22/2013 21:16
068SB-0060M-0001,0002-SO MSD	240-22852-1 MSD	320-0004029 -031-1.d	04/22/2013 21:34

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-22852-1
SDG No.: _____
Client Sample ID: 068SB-0060M-0001,0002-SO Lab Sample ID: 240-22852-1
Matrix: Solid Lab File ID: 320-0004029-029-1.d
Analysis Method: 8330 Modified Date Collected: 04/04/2013 14:10
Extraction Method: Sieve/Ultrasoni Date Extracted: 04/18/2013 09:31
Sample wt/vol: 2.05(g) Date Analyzed: 04/22/2013 20:59
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.: 14805 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 Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\PDA1\20130422-4029.b\320-0004029-029-1.d
Lims ID: 240-22852-G-1-D Client ID: 068SB-0060M-0001,0002-SO
Inject. Date: 22-Apr-2013 20:59:00 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 320-0004029-029 Analysis
Misc. Info.: none
Operator: KR Instrument ID: PDA1
Injection Vol: 50.0 ul ALS Bottle#: 0
Lims Batch ID: 14805 Lims Sample ID: 29
Detector: GC 320-0004029-029-1

Method: \\SACChrom\ChromData\PDA1\20130422-4029.b\NGu Primary.m
Last Update: 23-Apr-2013 09:21:45 Calib Date: 09-Apr-2013 14:50:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\PDA1\20130409-3774.b\320-0003774-009-1.d
Limit Group: LC 8330 Ngu ICAL
Integrator: Falcon
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm
Process Host: XAWRK020

First Level Reviewer: russellk

Date: 23-Apr-2013 09:21:54

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

Report Date: 23-Apr-2013 09:21:54

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

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\PDA1\20130422-4029.b\320-0004029-029-1.d

Injection Date: 22-Apr-2013 20:59:00

Limit Group: LC 8330 Ngu ICAL

Client ID: 068SB-0060M-0001,0002-SO

Instrument ID: PDA1

Lims Batch ID: 14805

Lims Sample ID: 29

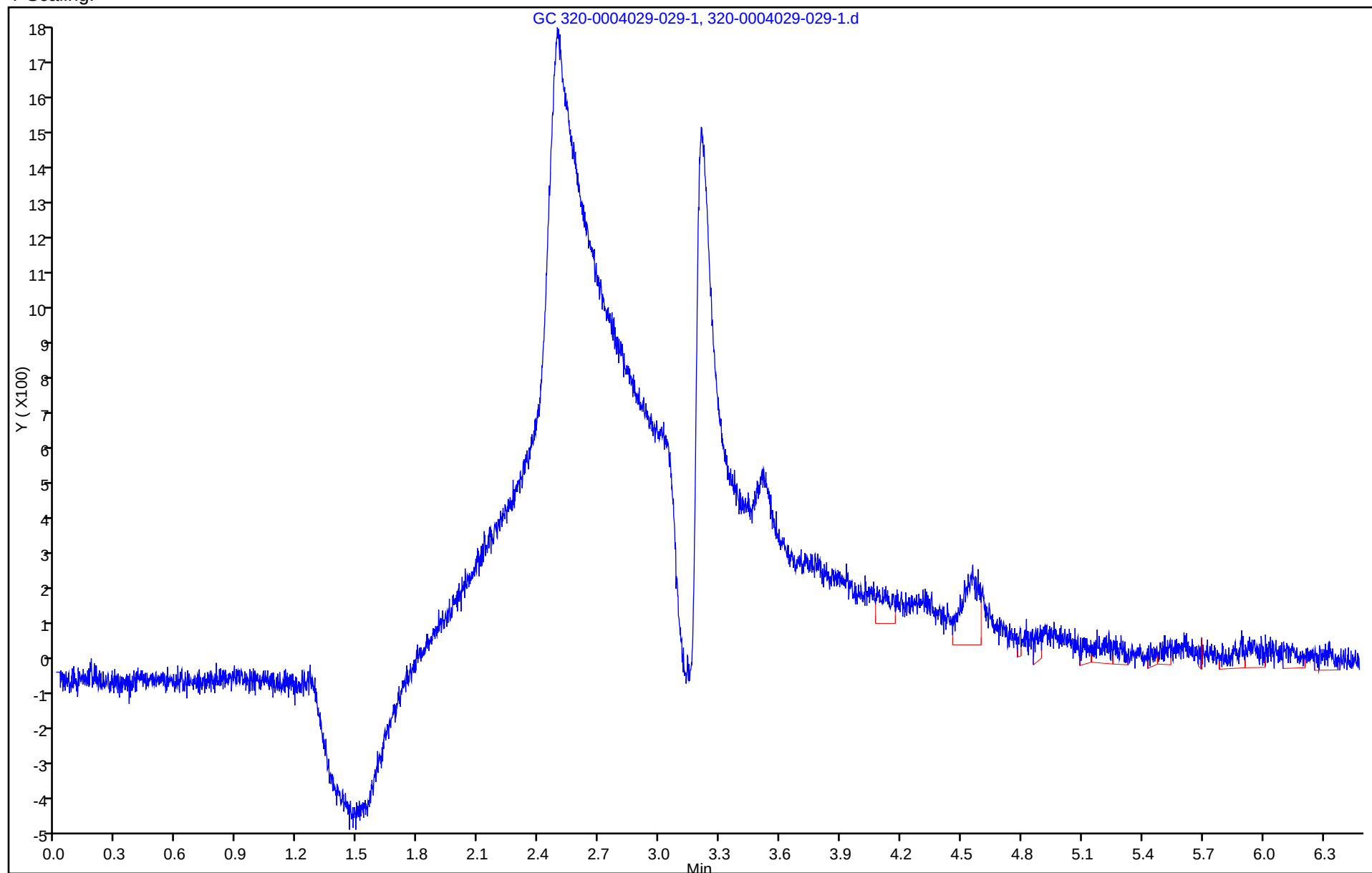
Operator ID: KR

Injection Vol: 50.0 ul

Column Type: Luna 5u NH2 100A

Column Dia: 4.60 mm

Y Scaling:



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

Lab Name: TestAmerica Sacramento Job No.: 240-22852-1 Analy Batch No.: 13890

SDG No.: _____

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

Calibration Start Date: 04/09/2013 13:21 Calibration End Date: 04/09/2013 14:50 Calibration ID: 2544

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD02 320-13890/4	320-0003774-004-1.d
Level 2	STD03 320-13890/5	320-0003774-005-1.d
Level 3	STD04 320-13890/6	320-0003774-006-1.d
Level 4	STD05 320-13890/7	320-0003774-007-1.d
Level 5	STD06 320-13890/8	320-0003774-008-1.d
Level 6	STD07 320-13890/9	320-0003774-009-1.d

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
Nitroguanidine	4.195	4.205	4.185	4.187	4.192	4.173					3.942 - 4.442	4.190

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

Lab Name: TestAmerica Sacramento Job No.: 240-22852-1 Analy Batch No.: 13890

SDG No.: _____

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

Calibration Start Date: 04/09/2013 13:21 Calibration End Date: 04/09/2013 14:50 Calibration ID: 2544

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD02 320-13890/4	320-0003774-004-1.d
Level 2	STD03 320-13890/5	320-0003774-005-1.d
Level 3	STD04 320-13890/6	320-0003774-006-1.d
Level 4	STD05 320-13890/7	320-0003774-007-1.d
Level 5	STD06 320-13890/8	320-0003774-008-1.d
Level 6	STD07 320-13890/9	320-0003774-009-1.d

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
Nitroguanidine	43.550 39.998	39.600 38.542	43.760	40.260	Ave		40.9516667				5.3		20.0			

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

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

Lab Name: TestAmerica Sacramento Job No.: 240-22852-1 Analy Batch No.: 13890

SDG No.: _____

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

Calibration Start Date: 04/09/2013 13:21 Calibration End Date: 04/09/2013 14:50 Calibration ID: 2544

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD02 320-13890/4	320-0003774-004-1.d
Level 2	STD03 320-13890/5	320-0003774-005-1.d
Level 3	STD04 320-13890/6	320-0003774-006-1.d
Level 4	STD05 320-13890/7	320-0003774-007-1.d
Level 5	STD06 320-13890/8	320-0003774-008-1.d
Level 6	STD07 320-13890/9	320-0003774-009-1.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Nitroguanidine	Ave	871 38542	1980	4376	8052	19999	20.0 1000	50.0	100	200	500

Curve Type Legend:

Ave = Average by Height

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\PDA1\20130409-3774.b\320-0003774-004-1.d
Lims ID: std02 Client ID:
Inject. Date: 09-Apr-2013 13:21:00 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: 320-0003774-004 Analysis
Misc. Info.: none PRIMER
Operator: KR Instrument ID: PDA1
Injection Vol: 50.0 ul ALS Bottle#: 0
Lims Batch ID: 13890 Lims Sample ID: 4
Sublist: chrom-NGu Primary*sub1
Detector: GC 320-0003774-004-1
Method: \\SACChrom\ChromData\PDA1\20130409-3774.b\NGu Primary.m
Last Update: 10-Apr-2013 10:05:30 Calib Date: 09-Apr-2013 14:50:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\PDA1\20130409-3774.b\320-0003774-009-1.d
Limit Group: LC 8330 Ngu ICAL
Integrator: Falcon
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm
Process Host: XAWRK037

First Level Reviewer: russellk

Date: 10-Apr-2013 09:49:58

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

1 Nitroguanidine
4.195 4.192 0.003 871 21.3

Report Date: 10-Apr-2013 10:05:30

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

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\PDA1\20130409-3774.b\320-0003774-004-1.d

Injection Date: 09-Apr-2013 13:21:00

Limit Group: LC 8330 Ngu ICAL

Client ID:

Instrument ID: PDA1

Lims Batch ID: 13890

Lims Sample ID: 4

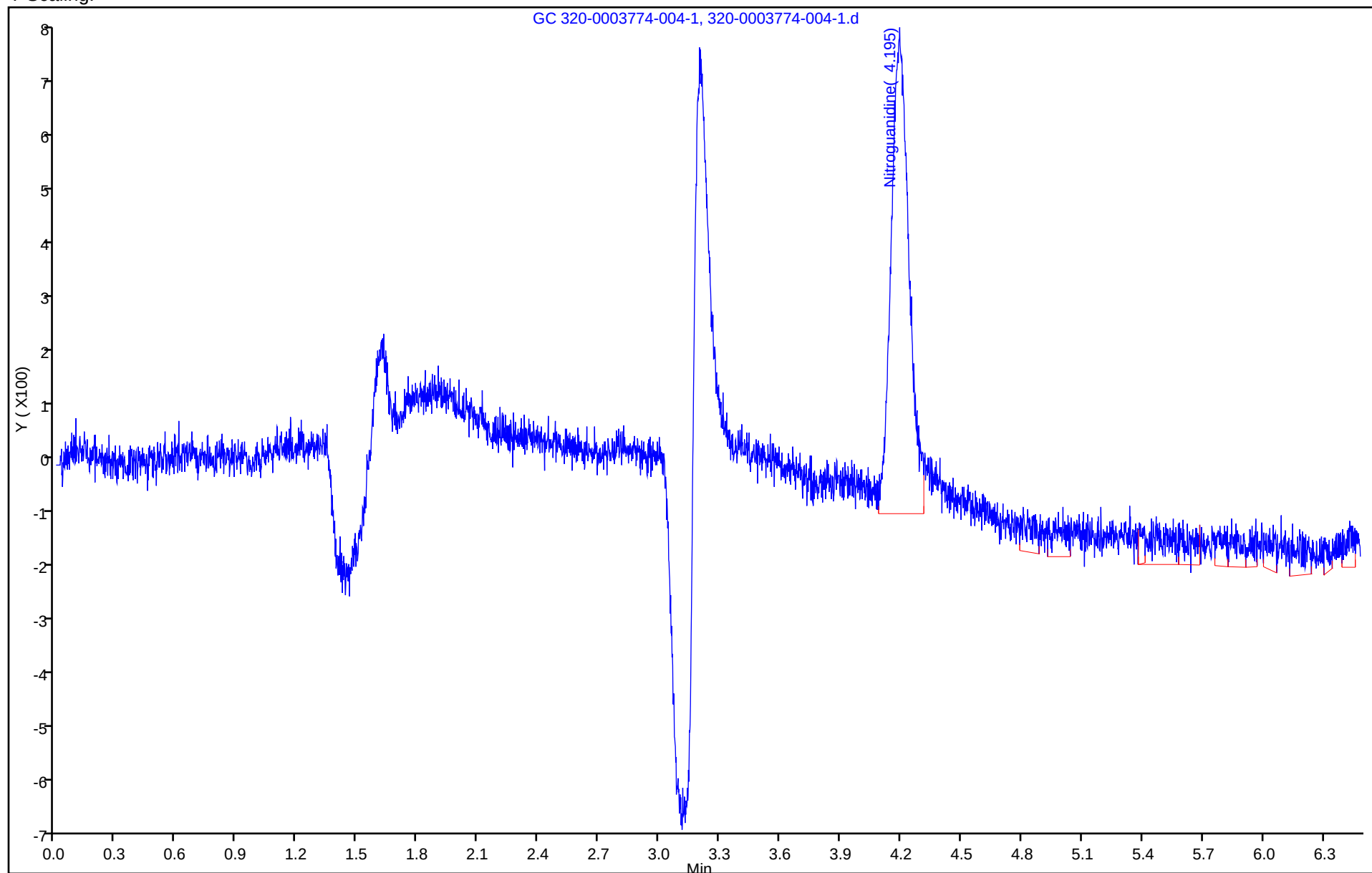
Operator ID: KR

Injection Vol: 50.0 ul

Column Type: Luna 5u NH2 100A

Column Dia: 4.60 mm

Y Scaling:



TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\PDA1\20130409-3774.b\320-0003774-005-1.d
Lims ID: std03 Client ID:
Inject. Date: 09-Apr-2013 13:39:00 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 3
Sample ID: 320-0003774-005 Analysis
Misc. Info.: none PRIMER
Operator: KR Instrument ID: PDA1
Injection Vol: 50.0 ul ALS Bottle#: 0
Lims Batch ID: 13890 Lims Sample ID: 5
Sublist: chrom-NGu Primary*sub1
Detector: GC 320-0003774-005-1
Method: \\SACChrom\ChromData\PDA1\20130409-3774.b\NGu Primary.m
Last Update: 10-Apr-2013 10:05:31 Calib Date: 09-Apr-2013 14:50:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\PDA1\20130409-3774.b\320-0003774-009-1.d
Limit Group: LC 8330 Ngu ICAL
Integrator: Falcon
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm
Process Host: XAWRK037

First Level Reviewer: russellk

Date: 10-Apr-2013 09:50:02

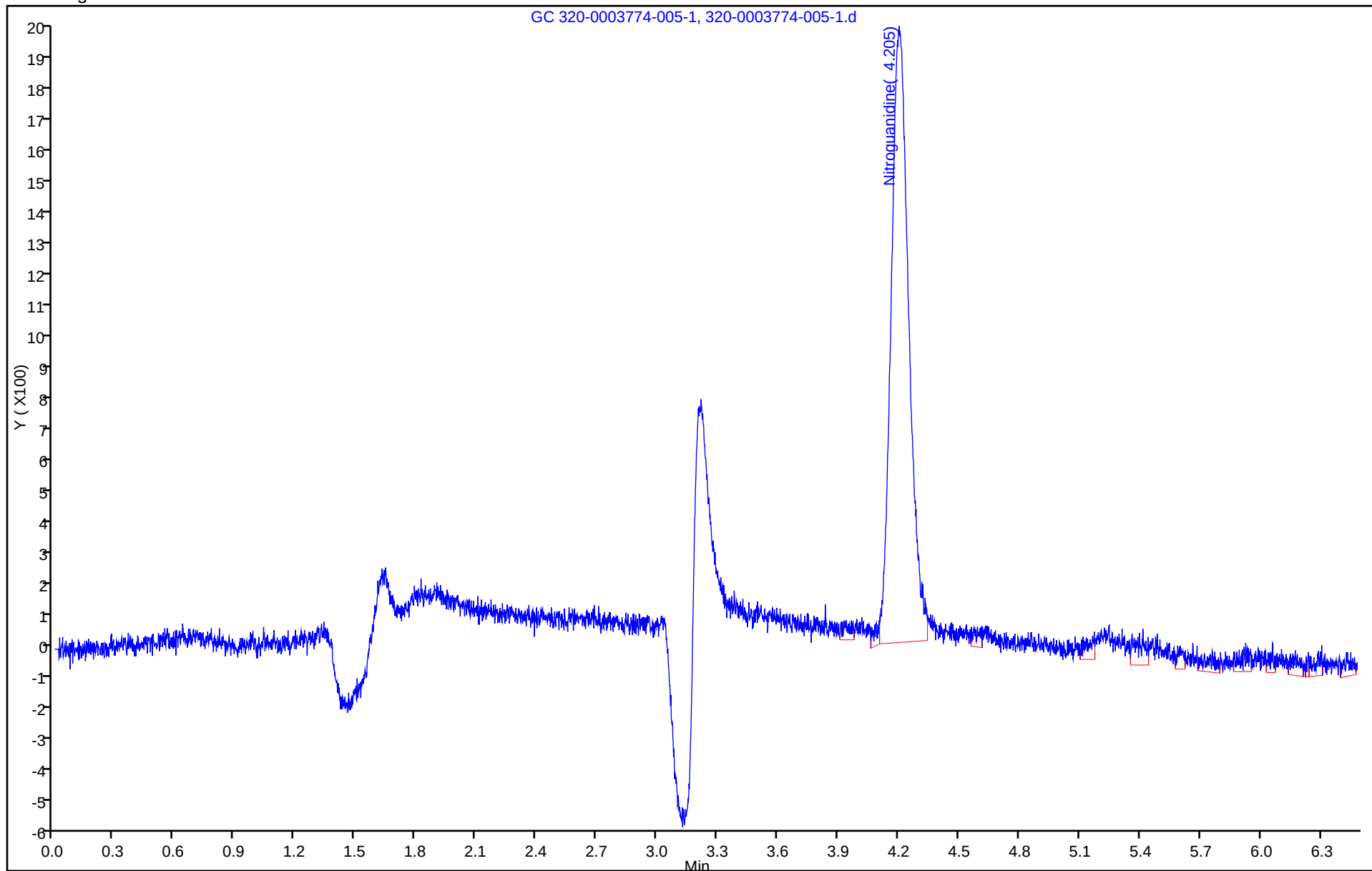
RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
----	-----------	-----------	----------	---------------------	-------

1 Nitroguanidine
4.205 4.192 0.013 1980 48.3

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\PDA1\20130409-3774.b\320-0003774-005-1.d
Injection Date: 09-Apr-2013 13:39:00 Limit Group: LC 8330 Ngu ICAL
Client ID: Instrument ID: PDA1
Lims Batch ID: 13890 Lims Sample ID: 5
Operator ID: KR Injection Vol: 50.0 ul
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm

Y Scaling:



TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\PDA1\20130409-3774.b\320-0003774-006-1.d
Lims ID: std04 Client ID:
Inject. Date: 09-Apr-2013 13:56:00 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID: 320-0003774-006 Analysis
Misc. Info.: none PRIMER
Operator: KR Instrument ID: PDA1
Injection Vol: 50.0 ul ALS Bottle#: 0
Lims Batch ID: 13890 Lims Sample ID: 6
Sublist: chrom-NGu Primary*sub1
Detector: GC 320-0003774-006-1
Method: \\SACChrom\ChromData\PDA1\20130409-3774.b\NGu Primary.m
Last Update: 10-Apr-2013 10:05:31 Calib Date: 09-Apr-2013 14:50:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\PDA1\20130409-3774.b\320-0003774-009-1.d
Limit Group: LC 8330 Ngu ICAL
Integrator: Falcon
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm
Process Host: XAWRK037

First Level Reviewer: russellk

Date: 10-Apr-2013 09:50:05

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

1 Nitroguanidine
4.185 4.192 -0.007 4376 106.9

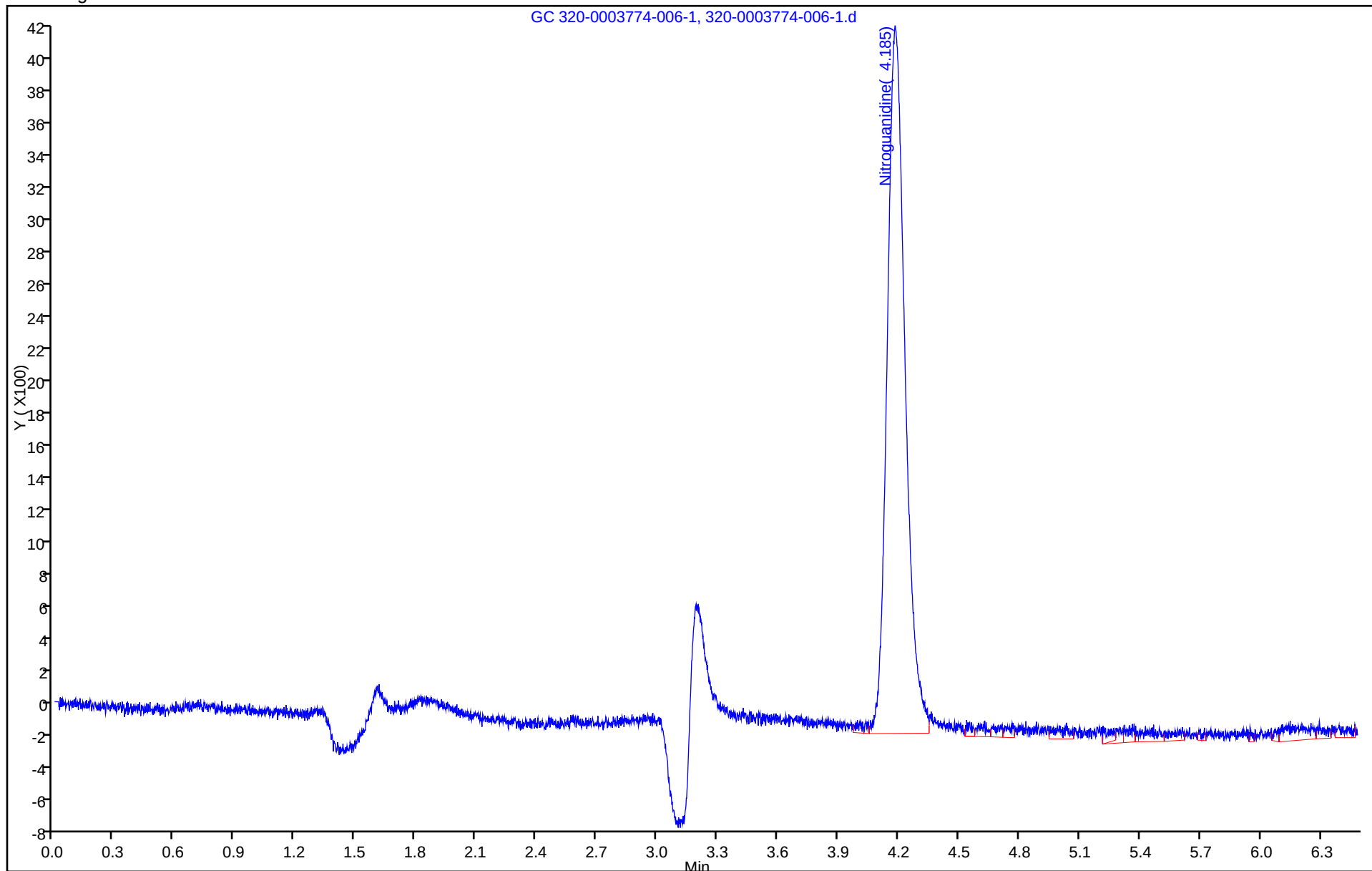
Report Date: 10-Apr-2013 10:05:31

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

TestAmerica Sacramento

Data File:	\\SACChrom\ChromData\PDA1\20130409-3774.b\320-0003774-006-1.d		
Injection Date:	09-Apr-2013 13:56:00	Limit Group:	LC 8330 Ngu ICAL
Client ID:		Instrument ID:	PDA1
Lims Batch ID:	13890	Lims Sample ID:	6
Operator ID:	KR	Injection Vol:	50.0 ul
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm

Y Scaling:



TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\PDA1\20130409-3774.b\320-0003774-007-1.d
Lims ID: std05 Client ID:
Inject. Date: 09-Apr-2013 14:14:00 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 5
Sample ID: 320-0003774-007 Analysis
Misc. Info.: none PRIMER
Operator: KR Instrument ID: PDA1
Injection Vol: 50.0 ul ALS Bottle#: 0
Lims Batch ID: 13890 Lims Sample ID: 7
Sublist: chrom-NGu Primary*sub1
Detector: GC 320-0003774-007-1
Method: \\SACChrom\ChromData\PDA1\20130409-3774.b\NGu Primary.m
Last Update: 10-Apr-2013 10:05:31 Calib Date: 09-Apr-2013 14:50:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\PDA1\20130409-3774.b\320-0003774-009-1.d
Limit Group: LC 8330 Ngu ICAL
Integrator: Falcon
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm
Process Host: XAWRK037

First Level Reviewer: russellk

Date: 10-Apr-2013 09:50:09

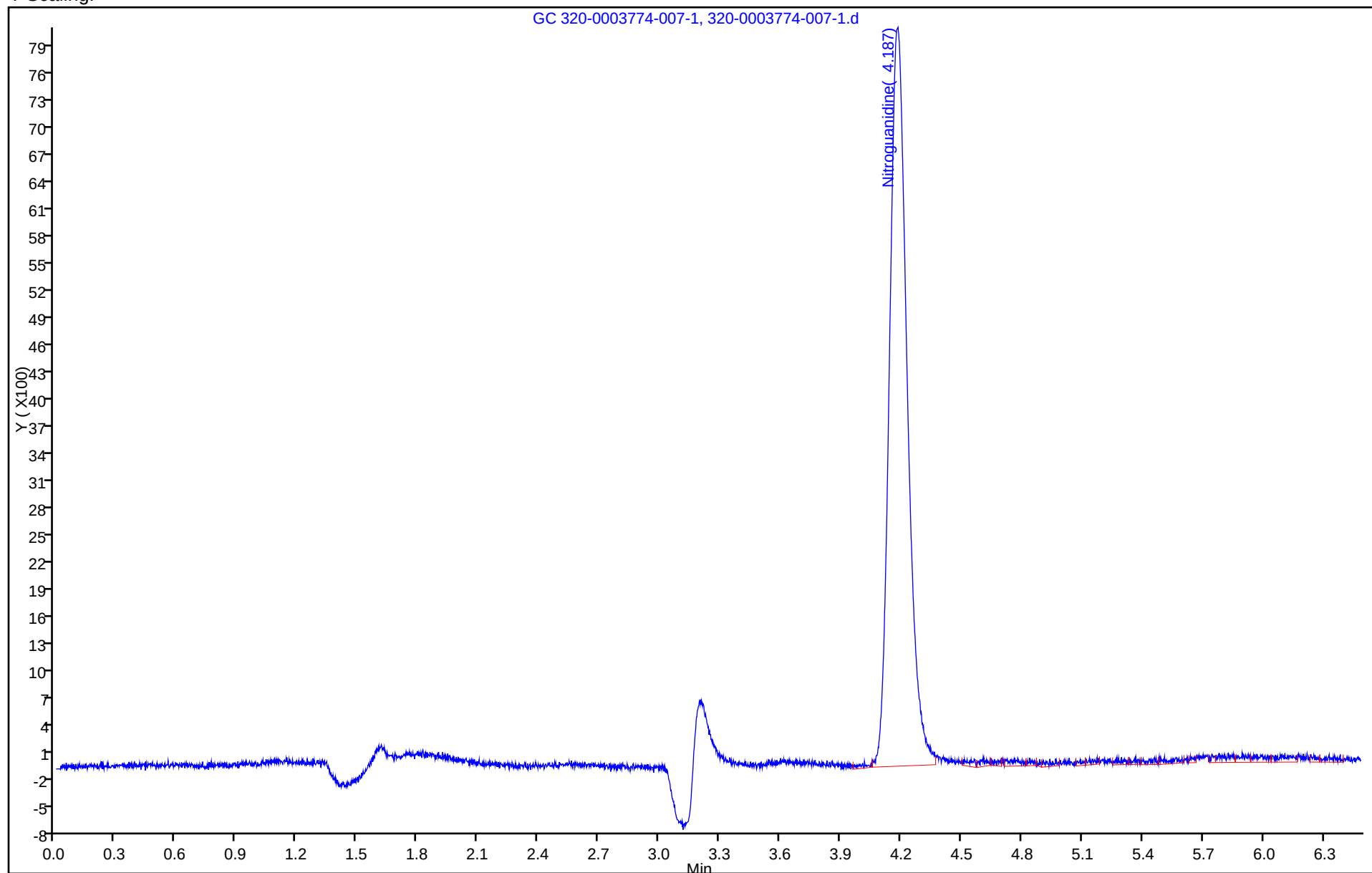
RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
----	-----------	-----------	----------	---------------------	-------

1 Nitroguanidine
4.187 4.187 0.0 8052 196.6

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\PDA1\20130409-3774.b\320-0003774-007-1.d
Injection Date: 09-Apr-2013 14:14:00 Limit Group: LC 8330 Ngu ICAL
Client ID: Instrument ID: PDA1
Lims Batch ID: 13890 Lims Sample ID: 7
Operator ID: KR Injection Vol: 50.0 ul
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm

Y Scaling:



TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\PDA1\20130409-3774.b\320-0003774-008-1.d
Lims ID: std06 Client ID:
Inject. Date: 09-Apr-2013 14:32:00 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 6
Sample ID: 320-0003774-008 Analysis
Misc. Info.: none PRIMER
Operator: KR Instrument ID: PDA1
Injection Vol: 50.0 ul ALS Bottle#: 0
Lims Batch ID: 13890 Lims Sample ID: 8
Sublist: chrom-NGu Primary*sub1
Detector: GC 320-0003774-008-1
Method: \\SACChrom\ChromData\PDA1\20130409-3774.b\NGu Primary.m
Last Update: 10-Apr-2013 10:05:32 Calib Date: 09-Apr-2013 14:50:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\PDA1\20130409-3774.b\320-0003774-009-1.d
Limit Group: LC 8330 Ngu ICAL
Integrator: Falcon
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm
Process Host: XAWRK037

First Level Reviewer: russellk

Date: 10-Apr-2013 09:50:11

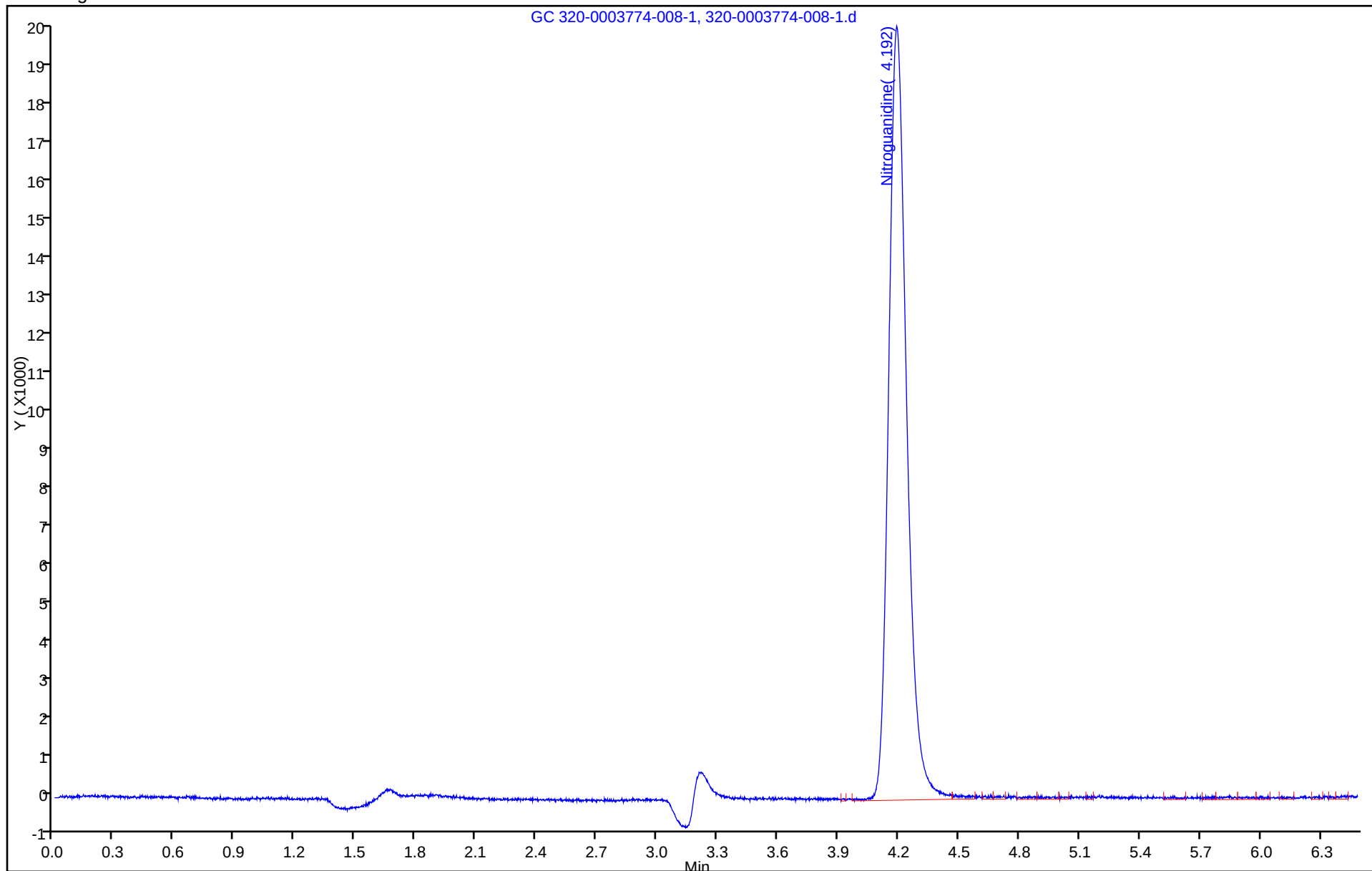
RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
----	-----------	-----------	----------	---------------------	-------

1 Nitroguanidine
4.192 4.187 0.005 19999 488.4

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\PDA1\20130409-3774.b\320-0003774-008-1.d
Injection Date: 09-Apr-2013 14:32:00 Limit Group: LC 8330 Ngu ICAL
Client ID: Instrument ID: PDA1
Lims Batch ID: 13890 Lims Sample ID: 8
Operator ID: KR Injection Vol: 50.0 ul
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm

Y Scaling:



TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\PDA1\20130409-3774.b\320-0003774-009-1.d
Lims ID: std07 Client ID:
Inject. Date: 09-Apr-2013 14:50:00 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 7
Sample ID: 320-0003774-009 Analysis
Misc. Info.: none PRIMER
Operator: KR Instrument ID: PDA1
Injection Vol: 50.0 ul ALS Bottle#: 0
Lims Batch ID: 13890 Lims Sample ID: 9
Sublist: chrom-NGu Primary*sub1
Detector: GC 320-0003774-009-1
Method: \\SACChrom\ChromData\PDA1\20130409-3774.b\NGu Primary.m
Last Update: 10-Apr-2013 10:05:32 Calib Date: 09-Apr-2013 14:50:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\PDA1\20130409-3774.b\320-0003774-009-1.d
Limit Group: LC 8330 Ngu ICAL
Integrator: Falcon
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm
Process Host: XAWRK037

First Level Reviewer: russellk

Date: 10-Apr-2013 09:50:14

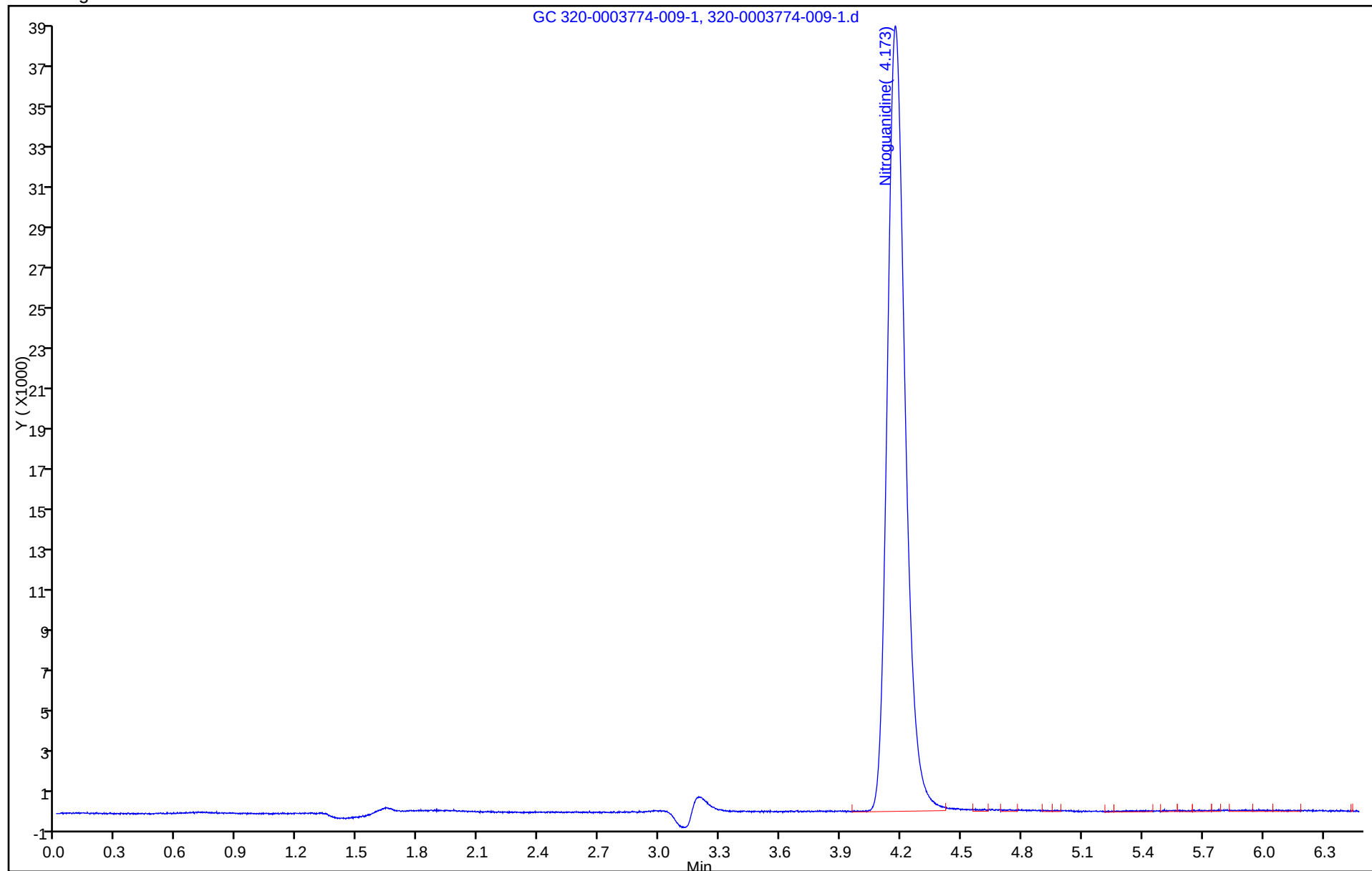
RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
----	-----------	-----------	----------	---------------------	-------

1 Nitroguanidine
4.173 4.187 -0.014 38542 941.2

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\PDA1\20130409-3774.b\320-0003774-009-1.d
Injection Date: 09-Apr-2013 14:50:00 Limit Group: LC 8330 Ngu ICAL
Client ID: Instrument ID: PDA1
Lims Batch ID: 13890 Lims Sample ID: 9
Operator ID: KR Injection Vol: 50.0 ul
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm

Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-22852-1
SDG No.: _____
Lab Sample ID: ICV 320-13890/11 Calibration Date: 04/09/2013 15:25
Instrument ID: PDA1 Calib Start Date: 04/09/2013 13:21
GC Column: Luna NH2 ID: 4.60 (mm) Calib End Date: 04/09/2013 14:50
Lab File ID: 320-0003774-011-1.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitroguanidine	Ave	40.95	39.58		193	200	-3.3	15.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22852-1
SDG No.: _____
Lab Sample ID: ICV 320-13890/11 Calibration Date: 04/09/2013 15:25
Instrument ID: PDA1 Calib Start Date: 04/09/2013 13:21
GC Column: Luna NH2 ID: 4.60 (mm) Calib End Date: 04/09/2013 14:50
Lab File ID: 320-0003774-011-1.d

Analyte	RT	RT WINDOW	
		FROM	TO
Nitroguanidine	4.19	3.94	4.44

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\PDA1\20130409-3774.b\320-0003774-011-1.d
Lims ID: icv Client ID:
Inject. Date: 09-Apr-2013 15:25:00 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 320-0003774-011 Analysis
Misc. Info.: none PRIMER
Operator: KR Instrument ID: PDA1
Injection Vol: 50.0 ul ALS Bottle#: 0
Lims Batch ID: 13890 Lims Sample ID: 11
Sublist:
Detector: GC 320-0003774-011-1
Method: \\SACChrom\ChromData\PDA1\20130409-3774.b\NGu Primary.m
Last Update: 10-Apr-2013 10:05:32 Calib Date: 09-Apr-2013 14:50:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\PDA1\20130409-3774.b\320-0003774-009-1.d
Limit Group: LC 8330 Ngu ICAL
Integrator: Falcon
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm
Process Host: XAWRK037

First Level Reviewer: russellk

Date: 10-Apr-2013 09:50:23

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

1 Nitroguanidine
4.192 4.187 0.005 7916 193.3

Report Date: 10-Apr-2013 10:05:33

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

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\PDA1\20130409-3774.b\320-0003774-011-1.d

Injection Date: 09-Apr-2013 15:25:00

Limit Group: LC 8330 Ngu ICAL

Client ID:

Instrument ID: PDA1

Lims Batch ID: 13890

Lims Sample ID: 11

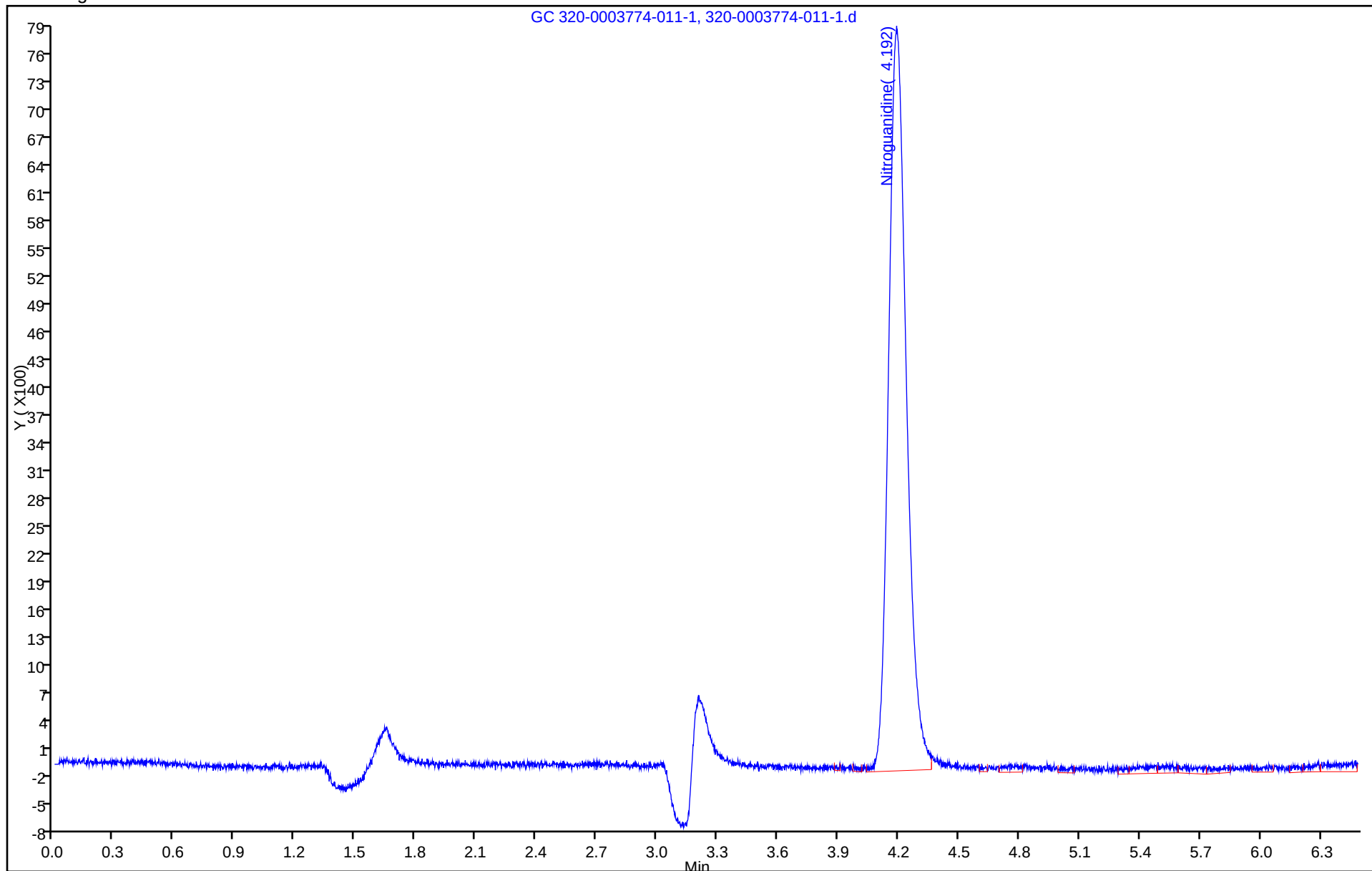
Operator ID: KR

Injection Vol: 50.0 ul

Column Type: Luna 5u NH2 100A

Column Dia: 4.60 mm

Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-22852-1
SDG No.: _____
Lab Sample ID: LODV 320-13890/12 Calibration Date: 04/09/2013 15:43
Instrument ID: PDA1 Calib Start Date: 04/09/2013 13:21
GC Column: Luna NH2 ID: 4.60 (mm) Calib End Date: 04/09/2013 14:50
Lab File ID: 320-0003774-012-1.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitroguanidine	Ave	40.95	63.40		7.74	5.00	54.8	

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22852-1
SDG No.: _____
Lab Sample ID: LODV 320-13890/12 Calibration Date: 04/09/2013 15:43
Instrument ID: PDA1 Calib Start Date: 04/09/2013 13:21
GC Column: Luna NH2 ID: 4.60 (mm) Calib End Date: 04/09/2013 14:50
Lab File ID: 320-0003774-012-1.d

Analyte	RT	RT WINDOW	
		FROM	TO
Nitroguanidine	4.19	3.94	4.44

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\PDA1\20130409-3774.b\320-0003774-012-1.d
Lims ID: LODV Client ID:
Inject. Date: 09-Apr-2013 15:43:00 Dil. Factor: 1.0000
Sample Type: LODV
Sample ID: 320-0003774-012 Analysis
Misc. Info.: none PRIMER
Operator: KR Instrument ID: PDA1
Injection Vol: 50.0 ul ALS Bottle#: 0
Lims Batch ID: 13890 Lims Sample ID: 12
Detector: GC 320-0003774-012-1

Method: \\SACChrom\ChromData\PDA1\20130409-3774.b\NGu Primary.m
Last Update: 10-Apr-2013 10:05:32 Calib Date: 09-Apr-2013 14:50:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\PDA1\20130409-3774.b\320-0003774-009-1.d
Limit Group: LC 8330 Ngu ICAL
Integrator: Falcon
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm
Process Host: XAWRK037

First Level Reviewer: russellk

Date: 10-Apr-2013 09:28:29

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

1 Nitroguanidine					M
4.193	4.187	0.006	317	7.74	M

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 10-Apr-2013 10:05:33

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

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\PDA1\20130409-3774.b\320-0003774-012-1.d

Injection Date: 09-Apr-2013 15:43:00

Limit Group: LC 8330 Ngu ICAL

Client ID:

Instrument ID: PDA1

Lims Batch ID: 13890

Lims Sample ID: 12

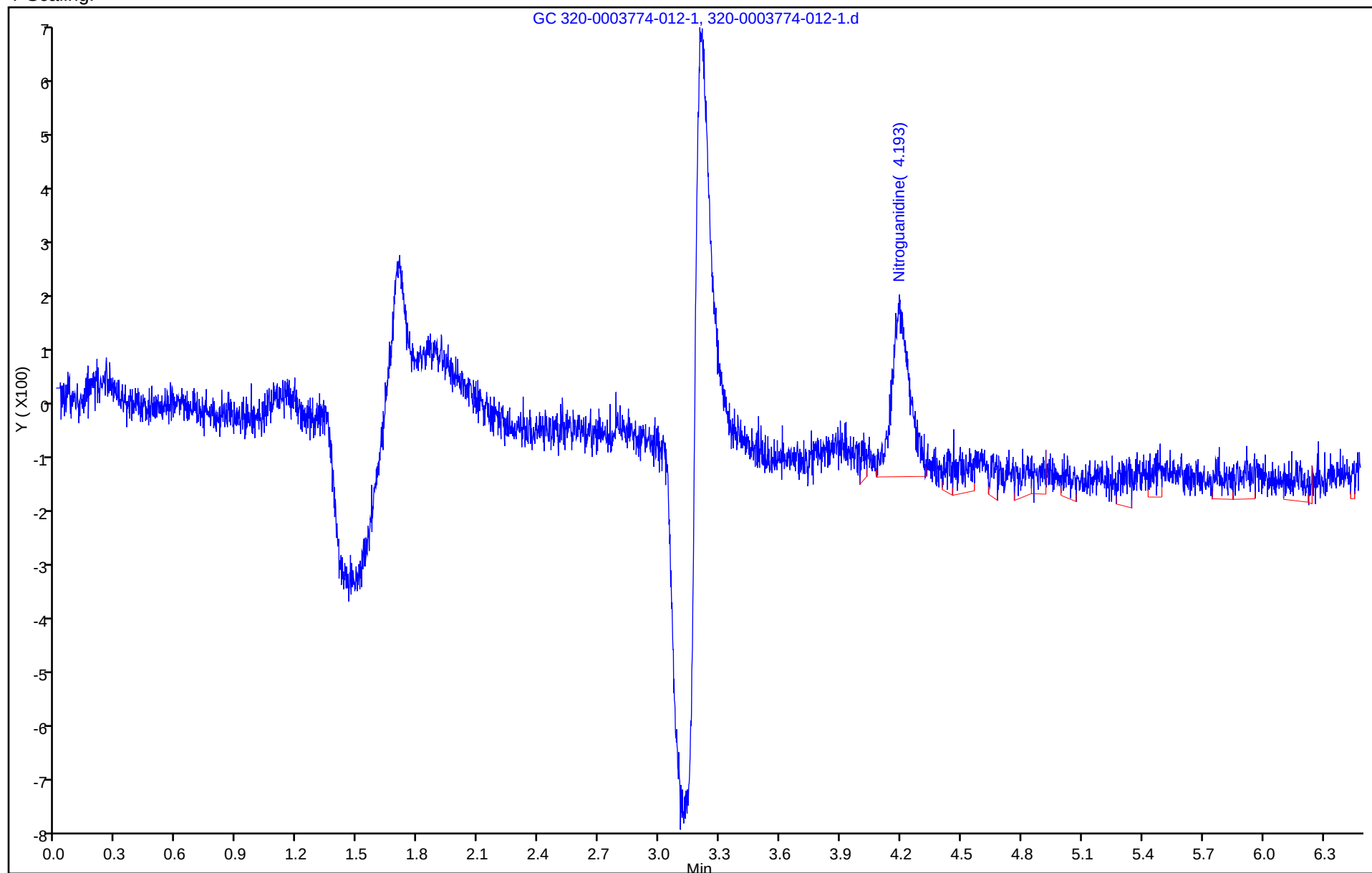
Operator ID: KR

Injection Vol: 50.0 ul

Column Type: Luna 5u NH2 100A

Column Dia: 4.60 mm

Y Scaling:



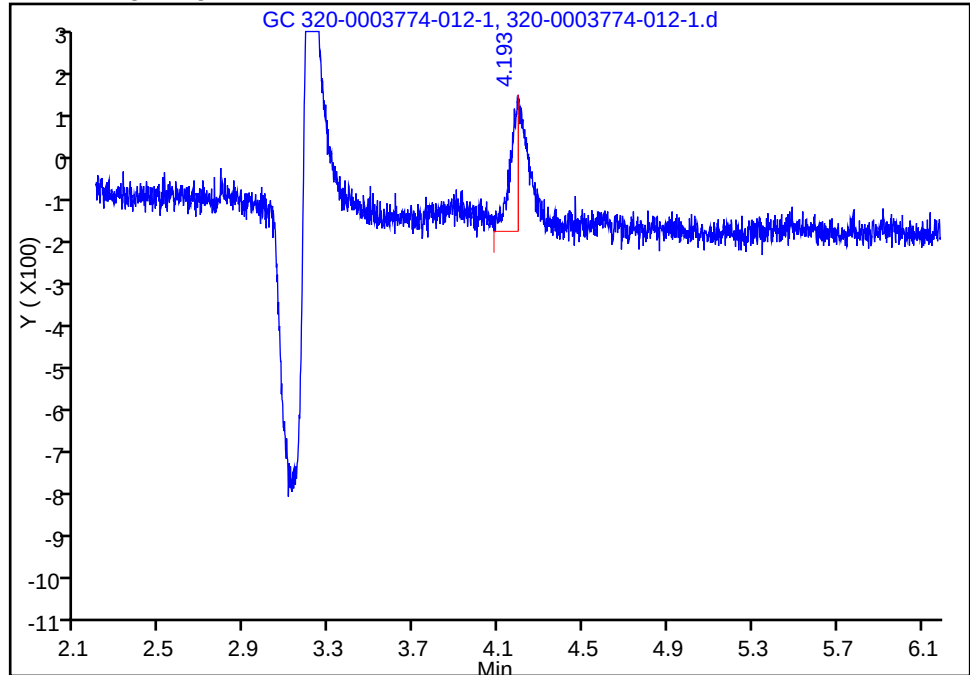
TestAmerica Sacramento

Data File:	\\SACChrom\ChromData\PDA1\20130409-3774.b\320-0003774-012-1.d		
Injection Date:	09-Apr-2013 15:43:00	Limit Group:	LC 8330 Ngu ICAL
Client ID:		Instrument ID:	PDA1
Lims Batch ID:	13890	Lims Sample ID:	12
Operator ID:	KR	Injection Vol:	50.0 ul
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm

1 Nitroguanidine, Signal: 1, Type: quant, RT: 4.19

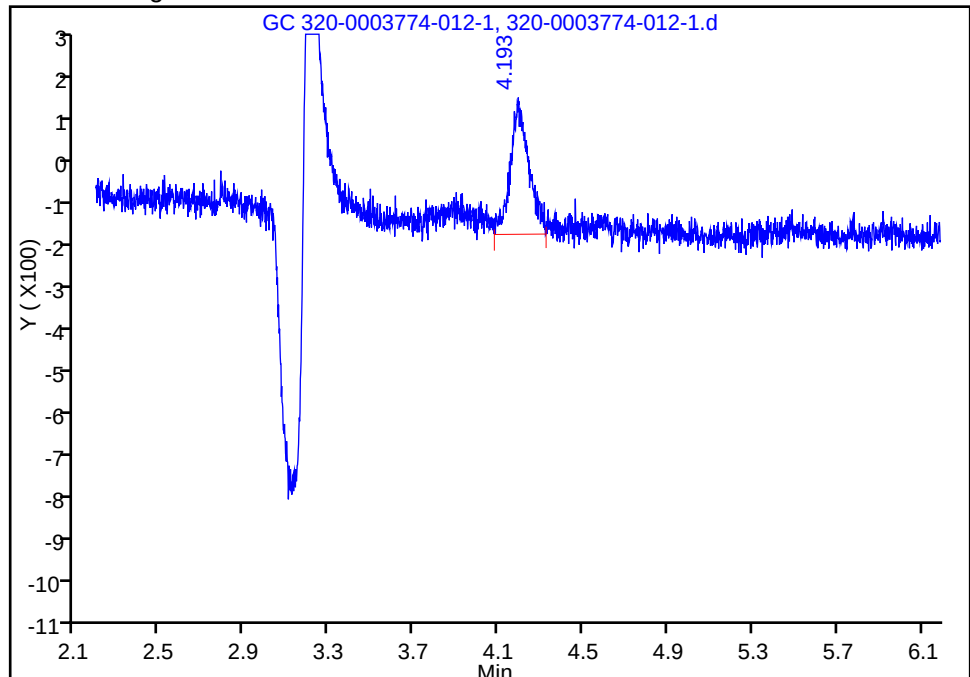
RT: 4.19
Response: 317
Amount: 7.740833

Processing Integration Results



RT: 4.19
Response: 317
Amount: 7.740833

Manual Integration Results



Reviewer: russellk, 10-Apr-2013 09:44:08
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-22852-1
SDG No.: _____
Lab Sample ID: CCVL 320-14805/4 Calibration Date: 04/22/2013 13:35
Instrument ID: PDA1 Calib Start Date: 04/09/2013 13:21
GC Column: Luna NH2 ID: 4.60 (mm) Calib End Date: 04/09/2013 14:50
Lab File ID: 320-0004029-004-1.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitroguanidine	Ave	40.95	43.65		21.3	20.0	6.6	30.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22852-1
SDG No.: _____
Lab Sample ID: CCVL 320-14805/4 Calibration Date: 04/22/2013 13:35
Instrument ID: PDA1 Calib Start Date: 04/09/2013 13:21
GC Column: Luna NH2 ID: 4.60 (mm) Calib End Date: 04/09/2013 14:50
Lab File ID: 320-0004029-004-1.d

Analyte	RT	RT WINDOW	
		FROM	TO
Nitroguanidine	4.23	3.98	4.48

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\PDA1\20130422-4029.b\320-0004029-004-1.d
Lims ID: CCVL Client ID:
Inject. Date: 22-Apr-2013 13:35:00 Dil. Factor: 1.0000
Sample Type: CCVL
Sample ID: 320-0004029-004 Analysis
Misc. Info.: none
Operator: KR Instrument ID: PDA1
Injection Vol: 50.0 ul ALS Bottle#: 0
Lims Batch ID: 14805 Lims Sample ID: 4
Sublist: chrom-NGu Primary*sub1
Detector: GC 320-0004029-004-1
Method: \\SACChrom\ChromData\PDA1\20130422-4029.b\NGu Primary.m
Last Update: 22-Apr-2013 14:32:59 Calib Date: 09-Apr-2013 14:50:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\PDA1\20130409-3774.b\320-0003774-009-1.d
Limit Group: LC 8330 Ngu ICAL
Integrator: Falcon
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm
Process Host: XAWRK022

First Level Reviewer: russellk

Date: 22-Apr-2013 14:32:59

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

1 Nitroguanidine
4.232 4.232 0.0 873 21.3

Report Date: 22-Apr-2013 14:33:00

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

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\PDA1\20130422-4029.b\320-0004029-004-1.d

Injection Date: 22-Apr-2013 13:35:00

Limit Group: LC 8330 Ngu ICAL

Client ID:

Instrument ID: PDA1

Lims Batch ID: 14805

Lims Sample ID: 4

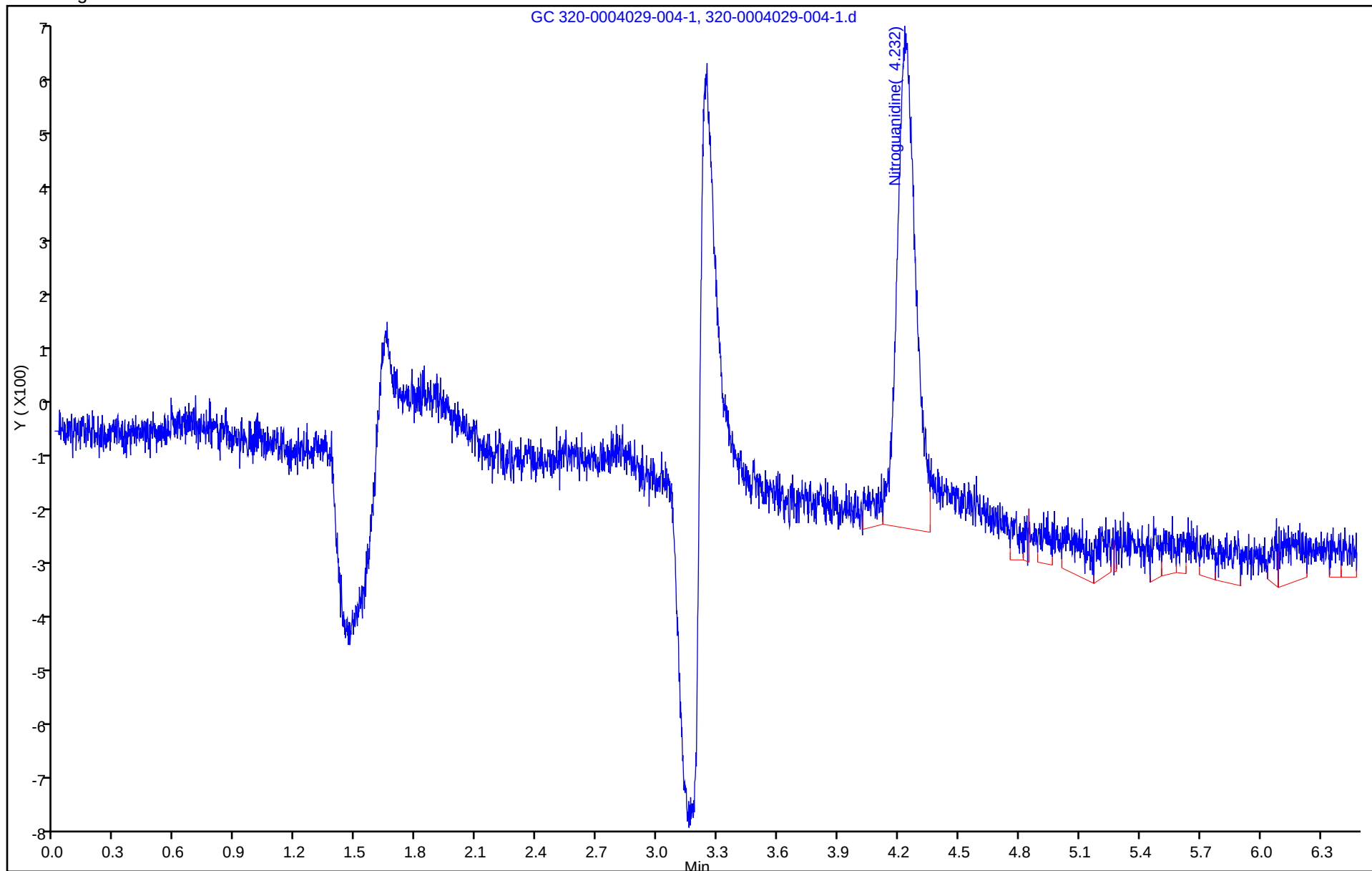
Operator ID: KR

Injection Vol: 50.0 ul

Column Type: Luna 5u NH2 100A

Column Dia: 4.60 mm

Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-22852-1
SDG No.: _____
Lab Sample ID: CCV 320-14805/26 Calibration Date: 04/22/2013 20:05
Instrument ID: PDA1 Calib Start Date: 04/09/2013 13:21
GC Column: Luna NH2 ID: 4.60 (mm) Calib End Date: 04/09/2013 14:50
Lab File ID: 320-0004029-026-1.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitroguanidine	Ave	40.95	42.64		104	100	4.1	15.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22852-1
SDG No.: _____
Lab Sample ID: CCV 320-14805/26 Calibration Date: 04/22/2013 20:05
Instrument ID: PDA1 Calib Start Date: 04/09/2013 13:21
GC Column: Luna NH2 ID: 4.60 (mm) Calib End Date: 04/09/2013 14:50
Lab File ID: 320-0004029-026-1.d

Analyte	RT	RT WINDOW	
		FROM	TO
Nitroguanidine	4.21	3.96	4.46

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\PDA1\20130422-4029.b\320-0004029-026-1.d
Lims ID: CCV 04 Client ID:
Inject. Date: 22-Apr-2013 20:05:00 Dil. Factor: 1.0000
Sample Type: CCVRT
Sample ID: 320-0004029-026 Analysis
Misc. Info.: none
Operator: KR Instrument ID: PDA1
Injection Vol: 50.0 ul ALS Bottle#: 0
Lims Batch ID: 14805 Lims Sample ID: 26
Sublist: chrom-NGu Primary*sub1
Detector: GC 320-0004029-026-1
Method: \\SACChrom\ChromData\PDA1\20130422-4029.b\NGu Primary.m
Last Update: 23-Apr-2013 09:21:17 Calib Date: 09-Apr-2013 14:50:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\PDA1\20130409-3774.b\320-0003774-009-1.d
Limit Group: LC 8330 Ngu ICAL
Integrator: Falcon
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm
Process Host: XAWRK020

First Level Reviewer: russellk

Date: 23-Apr-2013 09:21:17

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

1 Nitroguanidine
4.210 4.210 0.0 4264 104.1

Report Date: 23-Apr-2013 09:21:17

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

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\PDA1\20130422-4029.b\320-0004029-026-1.d

Injection Date: 22-Apr-2013 20:05:00

Limit Group: LC 8330 Ngu ICAL

Client ID:

Instrument ID: PDA1

Lims Batch ID: 14805

Lims Sample ID: 26

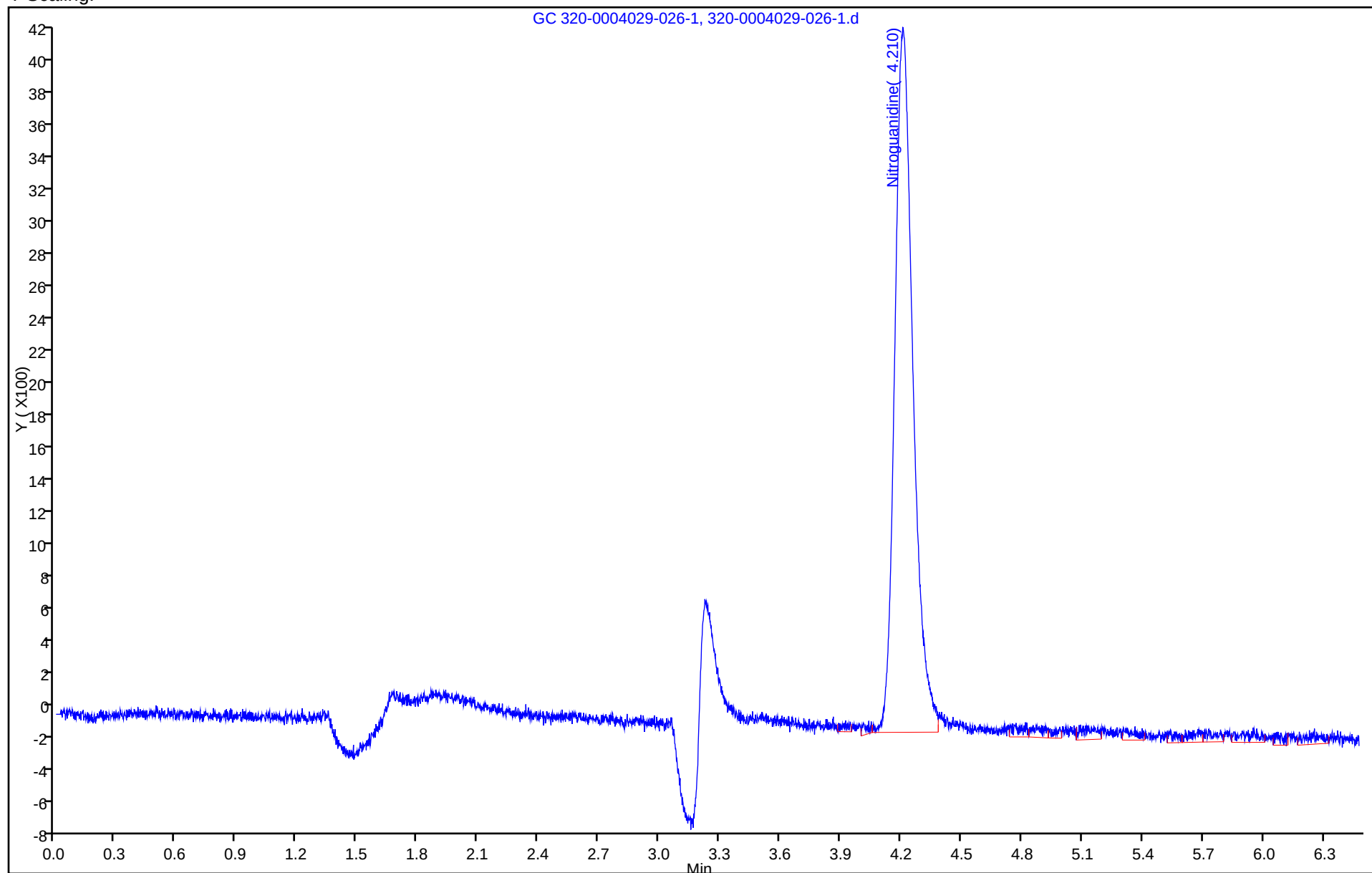
Operator ID: KR

Injection Vol: 50.0 ul

Column Type: Luna 5u NH2 100A

Column Dia: 4.60 mm

Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-22852-1
SDG No.: _____
Lab Sample ID: CCV 320-14805/32 Calibration Date: 04/22/2013 22:10
Instrument ID: PDA1 Calib Start Date: 04/09/2013 13:21
GC Column: Luna NH2 ID: 4.60 (mm) Calib End Date: 04/09/2013 14:50
Lab File ID: 320-0004029-032-1.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitroguanidine	Ave	40.95	43.13		105	100	5.3	15.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22852-1
SDG No.: _____
Lab Sample ID: CCV 320-14805/32 Calibration Date: 04/22/2013 22:10
Instrument ID: PDA1 Calib Start Date: 04/09/2013 13:21
GC Column: Luna NH2 ID: 4.60 (mm) Calib End Date: 04/09/2013 14:50
Lab File ID: 320-0004029-032-1.d

Analyte	RT	RT WINDOW	
		FROM	TO
Nitroguanidine	4.21	3.96	4.46

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\PDA1\20130422-4029.b\320-0004029-032-1.d
Lims ID: CCV 04 Client ID:
Inject. Date: 22-Apr-2013 22:10:00 Dil. Factor: 1.0000
Sample Type: CCVRT
Sample ID: 320-0004029-032 Analysis
Misc. Info.: none
Operator: KR Instrument ID: PDA1
Injection Vol: 50.0 ul ALS Bottle#: 0
Lims Batch ID: 14805 Lims Sample ID: 32
Sublist: chrom-NGu Primary*sub1
Detector: GC 320-0004029-032-1
Method: \\SACChrom\ChromData\PDA1\20130422-4029.b\NGu Primary.m
Last Update: 23-Apr-2013 09:23:04 Calib Date: 09-Apr-2013 14:50:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\PDA1\20130409-3774.b\320-0003774-009-1.d
Limit Group: LC 8330 Ngu ICAL
Integrator: Falcon
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm
Process Host: XAWRK020

First Level Reviewer: russellk

Date: 23-Apr-2013 09:23:04

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

1 Nitroguanidine
4.213 4.213 0.0 4313 105.3

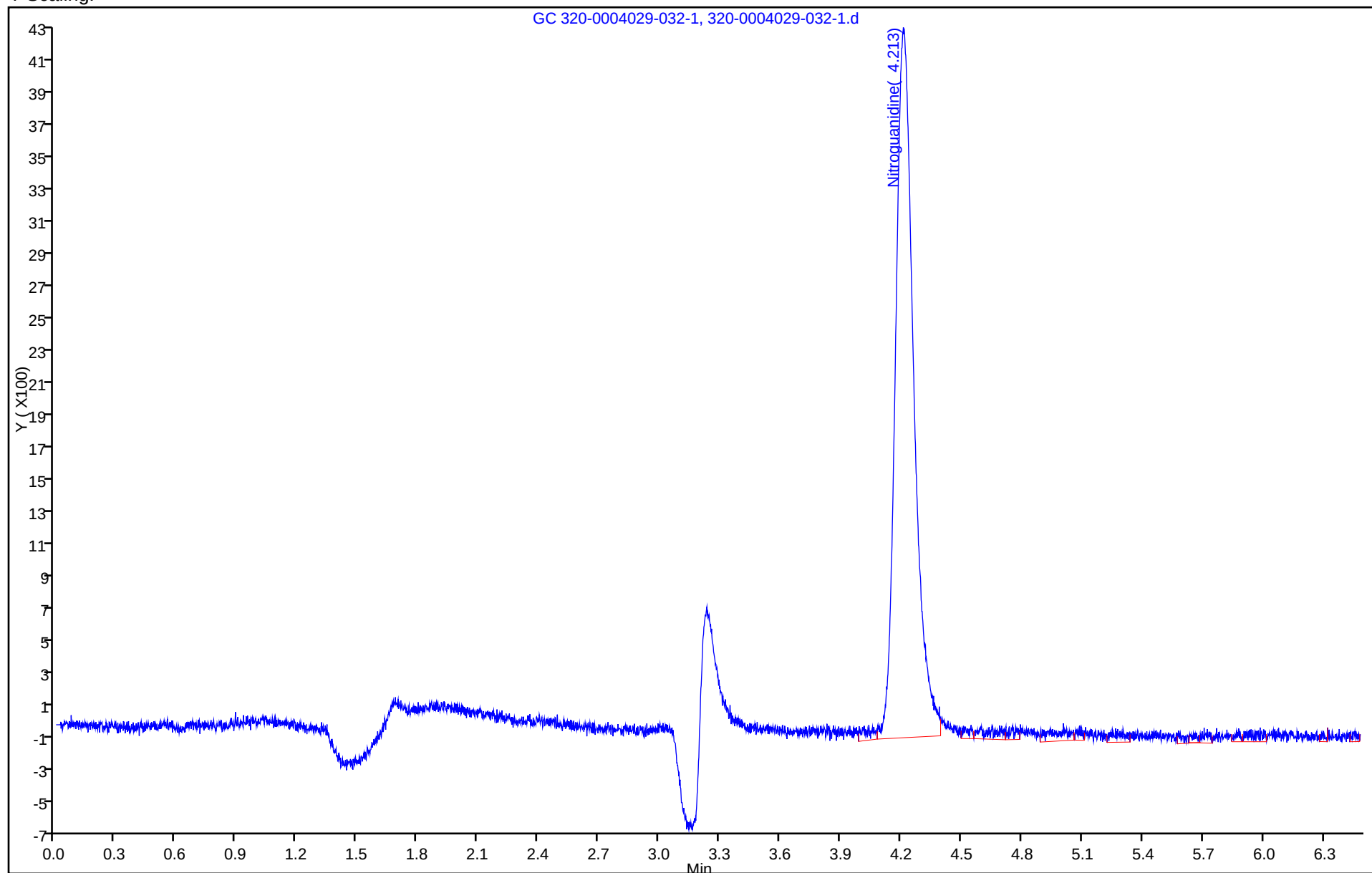
Report Date: 23-Apr-2013 09:23:04

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

TestAmerica Sacramento

Data File:	\\SACChrom\ChromData\PDA1\20130422-4029.b\320-0004029-032-1.d		
Injection Date:	22-Apr-2013 22:10:00	Limit Group:	LC 8330 Ngu ICAL
Client ID:		Instrument ID:	PDA1
Lims Batch ID:	14805	Lims Sample ID:	32
Operator ID:	KR	Injection Vol:	50.0 ul
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm

Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-22852-1
SDG No.: _____
Lab Sample ID: CCVL 320-14805/33 Calibration Date: 04/22/2013 22:27
Instrument ID: PDA1 Calib Start Date: 04/09/2013 13:21
GC Column: Luna NH2 ID: 4.60 (mm) Calib End Date: 04/09/2013 14:50
Lab File ID: 320-0004029-033-1.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitroguanidine	Ave	40.95	41.85		20.4	20.0	2.2	30.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22852-1
SDG No.: _____
Lab Sample ID: CCVL 320-14805/33 Calibration Date: 04/22/2013 22:27
Instrument ID: PDA1 Calib Start Date: 04/09/2013 13:21
GC Column: Luna NH2 ID: 4.60 (mm) Calib End Date: 04/09/2013 14:50
Lab File ID: 320-0004029-033-1.d

Analyte	RT	RT WINDOW	
		FROM	TO
Nitroguanidine	4.22	3.97	4.47

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\PDA1\20130422-4029.b\320-0004029-033-1.d
Lims ID: CCVL Client ID:
Inject. Date: 22-Apr-2013 22:27:00 Dil. Factor: 1.0000
Sample Type: CCVL
Sample ID: 320-0004029-033 Analysis
Misc. Info.: none
Operator: KR Instrument ID: PDA1
Injection Vol: 50.0 ul ALS Bottle#: 0
Lims Batch ID: 14805 Lims Sample ID: 33
Sublist: chrom-NGu Primary*sub1
Detector: GC 320-0004029-033-1
Method: \\SACChrom\ChromData\PDA1\20130422-4029.b\NGu Primary.m
Last Update: 23-Apr-2013 09:23:24 Calib Date: 09-Apr-2013 14:50:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\PDA1\20130409-3774.b\320-0003774-009-1.d
Limit Group: LC 8330 Ngu ICAL
Integrator: Falcon
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm
Process Host: XAWRK020

First Level Reviewer: russellk

Date: 23-Apr-2013 09:23:24

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

1 Nitroguanidine
4.215 4.215 0.0 837 20.4

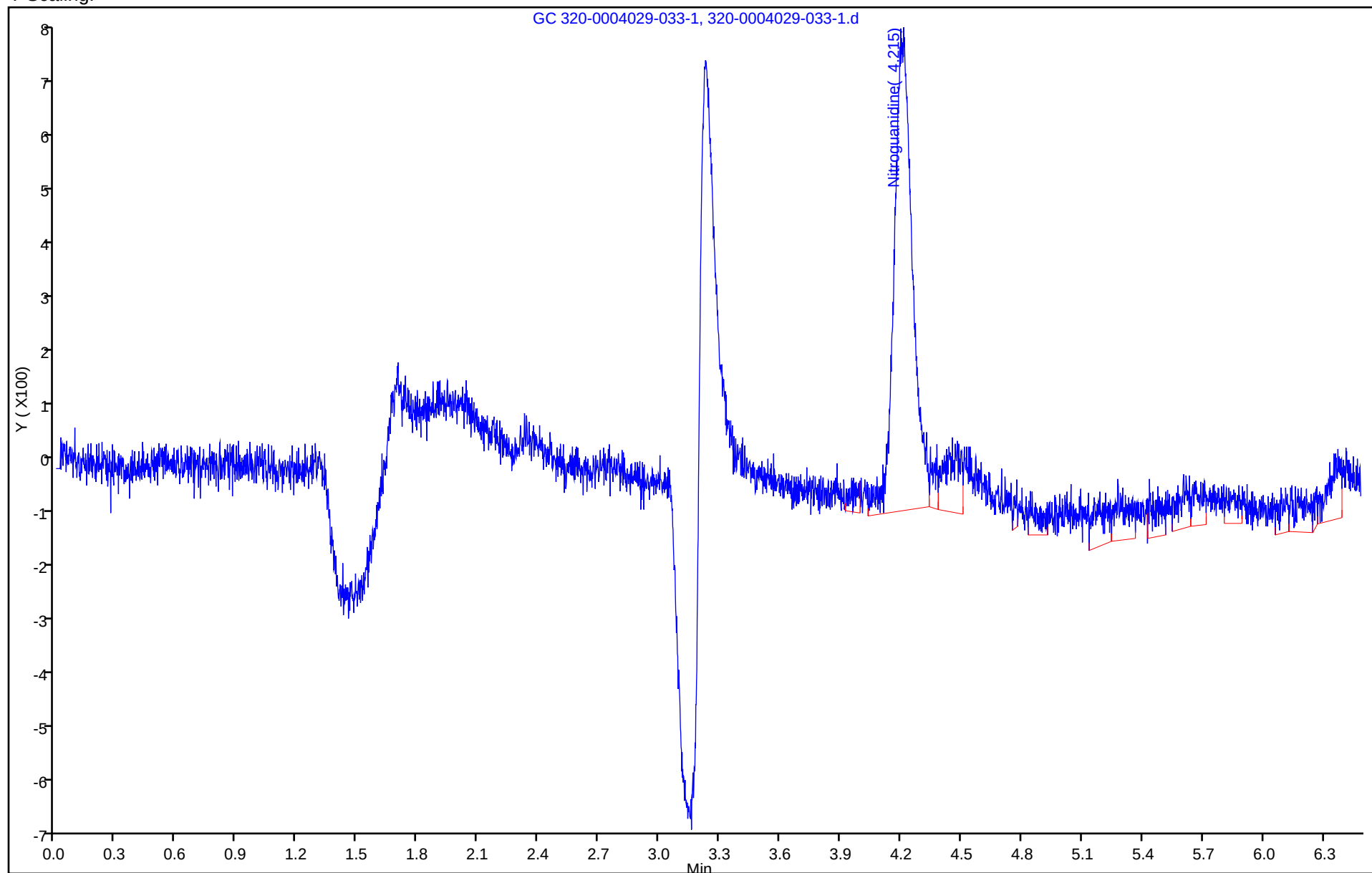
Report Date: 23-Apr-2013 09:23:24

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

TestAmerica Sacramento

Data File:	\\SACChrom\ChromData\PDA1\20130422-4029.b\320-0004029-033-1.d		
Injection Date:	22-Apr-2013 22:27:00	Limit Group:	LC 8330 Ngu ICAL
Client ID:		Instrument ID:	PDA1
Lims Batch ID:	14805	Lims Sample ID:	33
Operator ID:	KR	Injection Vol:	50.0 ul
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm

Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-22852-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 320-14609/1-A
Matrix: Solid Lab File ID: 320-0004029-027-1.d
Analysis Method: 8330 Modified Date Collected: _____
Extraction Method: Sieve/Ultrasoni Date Extracted: 04/18/2013 09:31
Sample wt/vol: 2.00 (g) Date Analyzed: 04/22/2013 20:23
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.: 14805 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 Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\PDA1\20130422-4029.b\320-0004029-027-1.d
Lims ID: MB 320-14609/1-A Client ID:
Inject. Date: 22-Apr-2013 20:23:00 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: 320-0004029-027 Analysis
Misc. Info.: none
Operator: KR Instrument ID: PDA1
Injection Vol: 50.0 ul ALS Bottle#: 0
Lims Batch ID: 14805 Lims Sample ID: 27
Detector: GC 320-0004029-027-1

Method: \\SACChrom\ChromData\PDA1\20130422-4029.b\NGu Primary.m
Last Update: 23-Apr-2013 09:21:17 Calib Date: 09-Apr-2013 14:50:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\PDA1\20130409-3774.b\320-0003774-009-1.d
Limit Group: LC 8330 Ngu ICAL
Integrator: Falcon
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm
Process Host: XAWRK020

First Level Reviewer: russellk

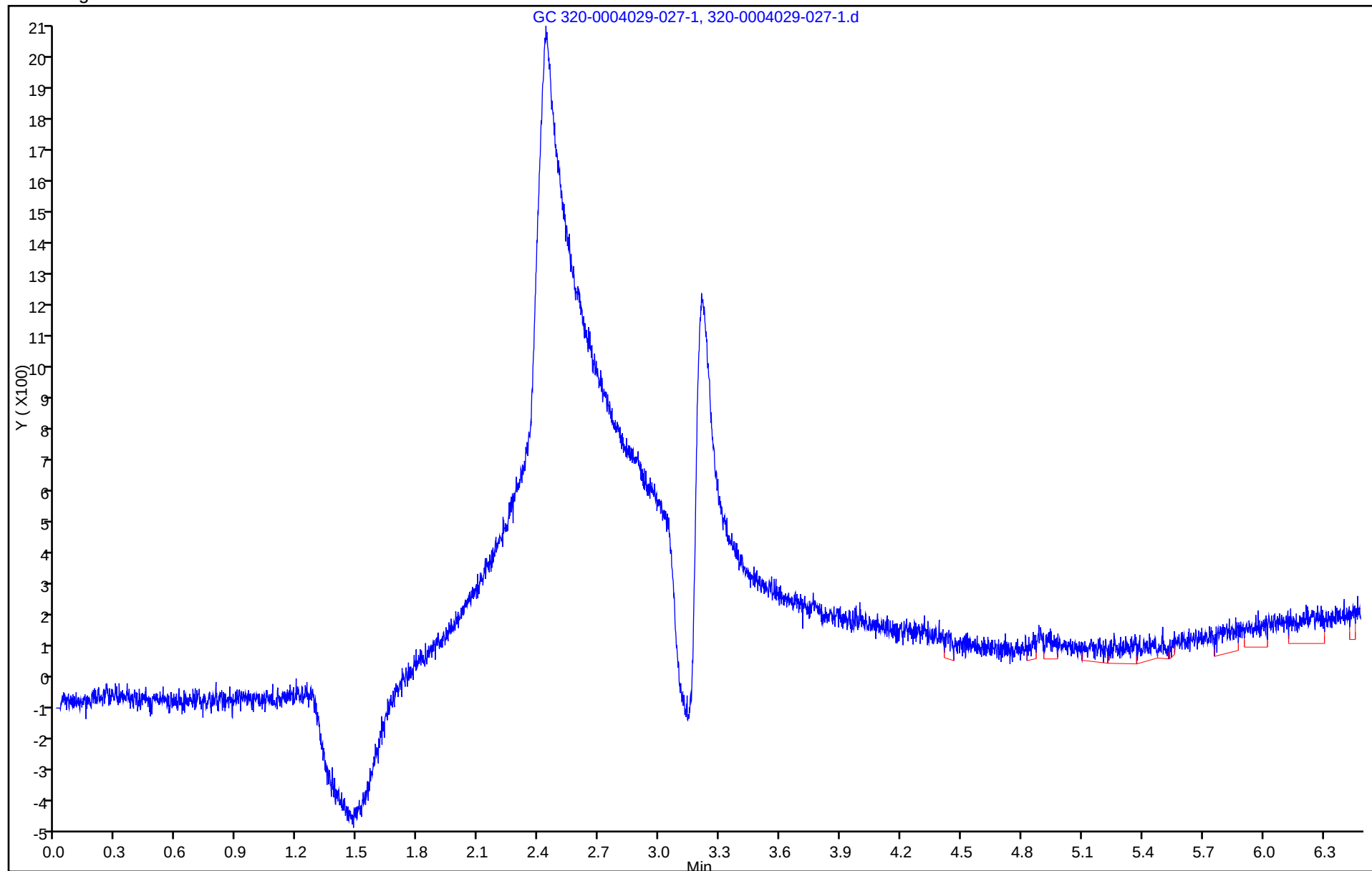
Date: 23-Apr-2013 09:21:26

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

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\PDA1\20130422-4029.b\320-0004029-027-1.d
Injection Date: 22-Apr-2013 20:23:00 Limit Group: LC 8330 Ngu ICAL
Client ID: Instrument ID: PDA1
Lims Batch ID: 14805 Lims Sample ID: 27
Operator ID: KR Injection Vol: 50.0 ul
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm

Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-22852-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: LCS 320-14609/2-A
Matrix: Solid Lab File ID: 320-0004029-028-1.d
Analysis Method: 8330 Modified Date Collected: _____
Extraction Method: Sieve/Ultrasoni Date Extracted: 04/18/2013 09:31
Sample wt/vol: 2.00 (g) Date Analyzed: 04/22/2013 20:41
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.: 14805 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
556-88-7	Nitroguanidine	0.903		0.25	0.040	0.020

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\PDA1\20130422-4029.b\320-0004029-028-1.d
Lims ID: LCS 320-14609/2-A Client ID:
Inject. Date: 22-Apr-2013 20:41:00 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: 320-0004029-028 Analysis
Misc. Info.: none
Operator: KR Instrument ID: PDA1
Injection Vol: 50.0 ul ALS Bottle#: 0
Lims Batch ID: 14805 Lims Sample ID: 28
Detector: GC 320-0004029-028-1
Method: \\SACChrom\ChromData\PDA1\20130422-4029.b\NGu Primary.m
Last Update: 23-Apr-2013 09:21:45 Calib Date: 09-Apr-2013 14:50:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\PDA1\20130409-3774.b\320-0003774-009-1.d
Limit Group: LC 8330 Ngu ICAL
Integrator: Falcon
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm
Process Host: XAWRK020

First Level Reviewer: russellk

Date: 23-Apr-2013 09:21:45

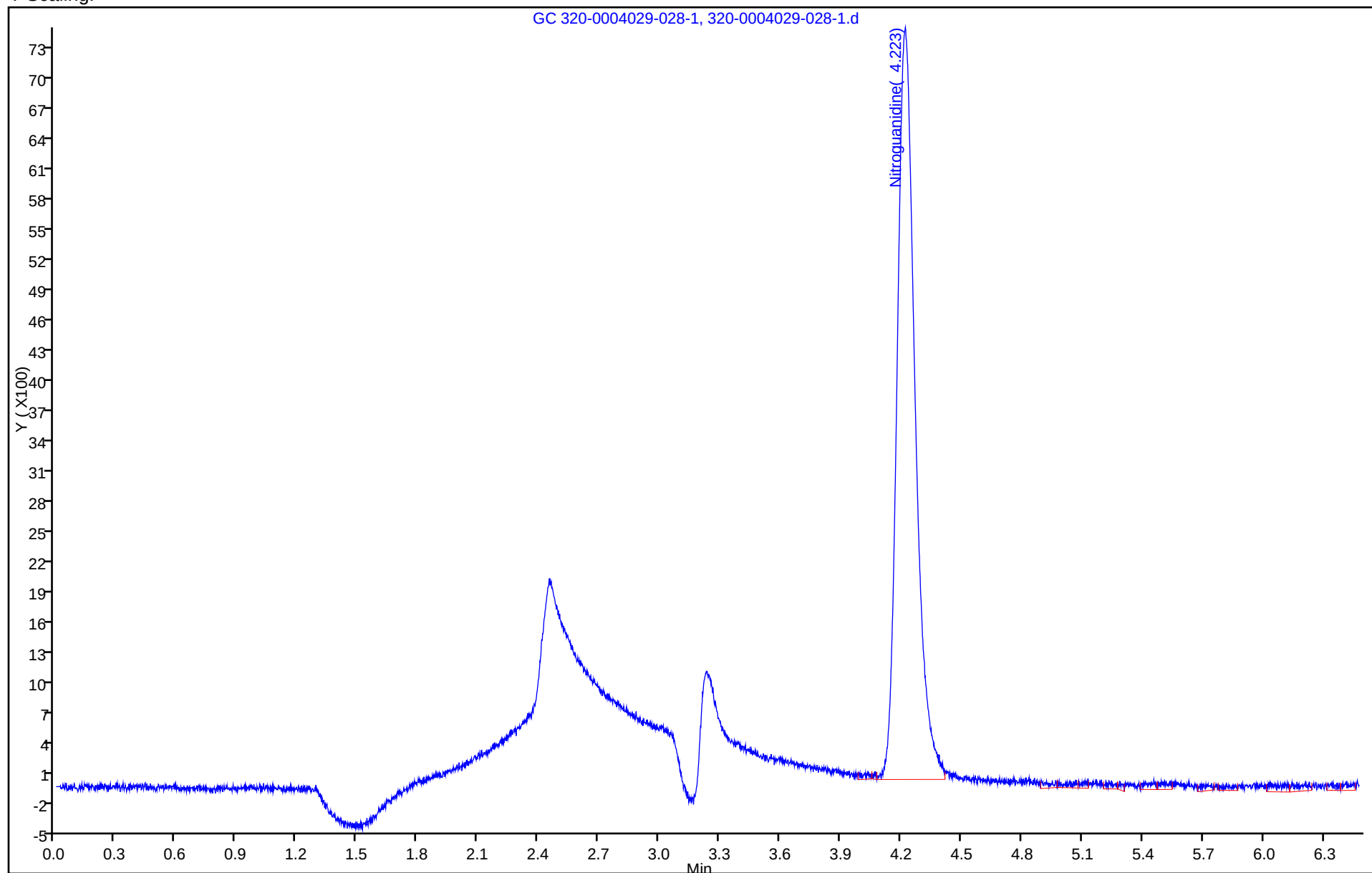
RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
----	-----------	-----------	----------	---------------------	-------

1 Nitroguanidine
4.223 4.210 0.013 7394 180.6

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\PDA1\20130422-4029.b\320-0004029-028-1.d
Injection Date: 22-Apr-2013 20:41:00 Limit Group: LC 8330 Ngu ICAL
Client ID: Instrument ID: PDA1
Lims Batch ID: 14805 Lims Sample ID: 28
Operator ID: KR Injection Vol: 50.0 ul
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm

Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-22852-1
SDG No.: _____
Client Sample ID: 068SB-0060M-0001,0002-SO Lab Sample ID: 240-22852-1 MS
Matrix: Solid Lab File ID: 320-0004029-030-1.d
Analysis Method: 8330 Modified Date Collected: 04/04/2013 14:10
Extraction Method: Sieve/Ultrasoni Date Extracted: 04/18/2013 09:31
Sample wt/vol: 2.09(g) Date Analyzed: 04/22/2013 21:16
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.: 14805 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
556-88-7	Nitroguanidine	0.855		0.24	0.038	0.019

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\PDA1\20130422-4029.b\320-0004029-030-1.d
Lims ID: 240-22852-G-1-E MS Client ID: 068SB-0060M-0001,0002-SO
Inject. Date: 22-Apr-2013 21:16:00 Dil. Factor: 1.0000
Sample Type: MS
Sample ID: 320-0004029-030 Analysis
Misc. Info.: none
Operator: KR Instrument ID: PDA1
Injection Vol: 50.0 ul ALS Bottle#: 0
Lims Batch ID: 14805 Lims Sample ID: 30
Detector: GC 320-0004029-030-1
Method: \\SACChrom\ChromData\PDA1\20130422-4029.b\NGu Primary.m
Last Update: 23-Apr-2013 09:22:07 Calib Date: 09-Apr-2013 14:50:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\PDA1\20130409-3774.b\320-0003774-009-1.d
Limit Group: LC 8330 Ngu ICAL
Integrator: Falcon
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm
Process Host: XAWRK020

First Level Reviewer: russellk

Date: 23-Apr-2013 09:22:07

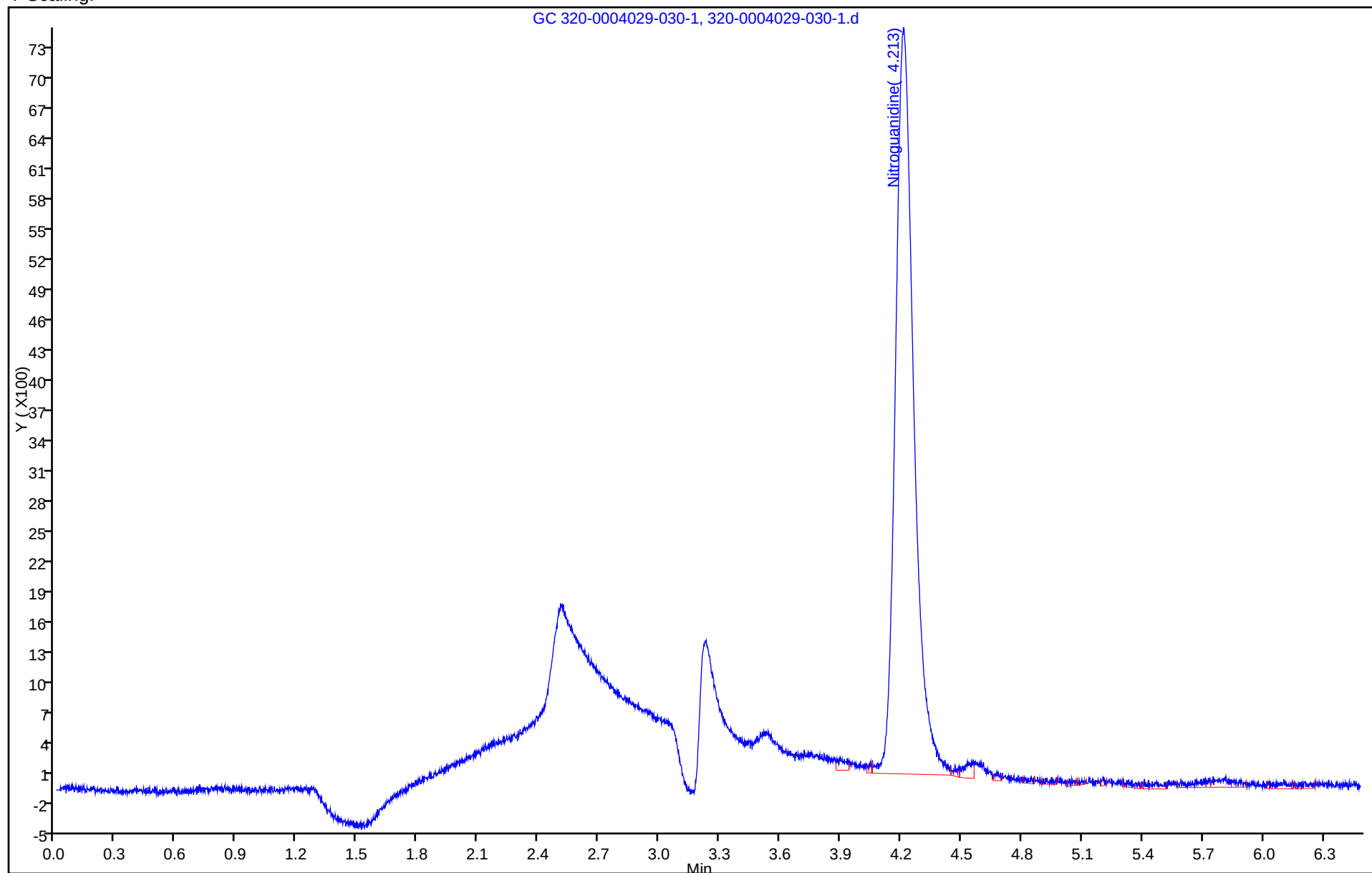
RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
----	-----------	-----------	----------	---------------------	-------

1 Nitroguanidine
4.213 4.210 0.003 7321 178.8

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\PDA1\20130422-4029.b\320-0004029-030-1.d
Injection Date: 22-Apr-2013 21:16:00 Limit Group: LC 8330 Ngu ICAL
Client ID: 068SB-0060M-0001,0002-SO Instrument ID: PDA1
Lims Batch ID: 14805 Lims Sample ID: 30
Operator ID: KR Injection Vol: 50.0 ul
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm

Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-22852-1
SDG No.: _____
Client Sample ID: 068SB-0060M-0001,0002-SO Lab Sample ID: 240-22852-1 MSD
Matrix: Solid Lab File ID: 320-0004029-031-1.d
Analysis Method: 8330 Modified Date Collected: 04/04/2013 14:10
Extraction Method: Sieve/Ultrasoni Date Extracted: 04/18/2013 09:31
Sample wt/vol: 2.02(g) Date Analyzed: 04/22/2013 21:34
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.: 14805 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
556-88-7	Nitroguanidine	0.878		0.25	0.040	0.020

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\PDA1\20130422-4029.b\320-0004029-031-1.d
Lims ID: 240-22852-G-1-F MSD Client ID: 068SB-0060M-0001,0002-SO
Inject. Date: 22-Apr-2013 21:34:00 Dil. Factor: 1.0000
Sample Type: MSD
Sample ID: 320-0004029-031 Analysis
Misc. Info.: none
Operator: KR Instrument ID: PDA1
Injection Vol: 50.0 ul ALS Bottle#: 0
Lims Batch ID: 14805 Lims Sample ID: 31
Detector: GC 320-0004029-031-1
Method: \\SACChrom\ChromData\PDA1\20130422-4029.b\NGu Primary.m
Last Update: 23-Apr-2013 09:22:19 Calib Date: 09-Apr-2013 14:50:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\PDA1\20130409-3774.b\320-0003774-009-1.d
Limit Group: LC 8330 Ngu ICAL
Integrator: Falcon
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm
Process Host: XAWRK020

First Level Reviewer: russellk

Date: 23-Apr-2013 09:22:19

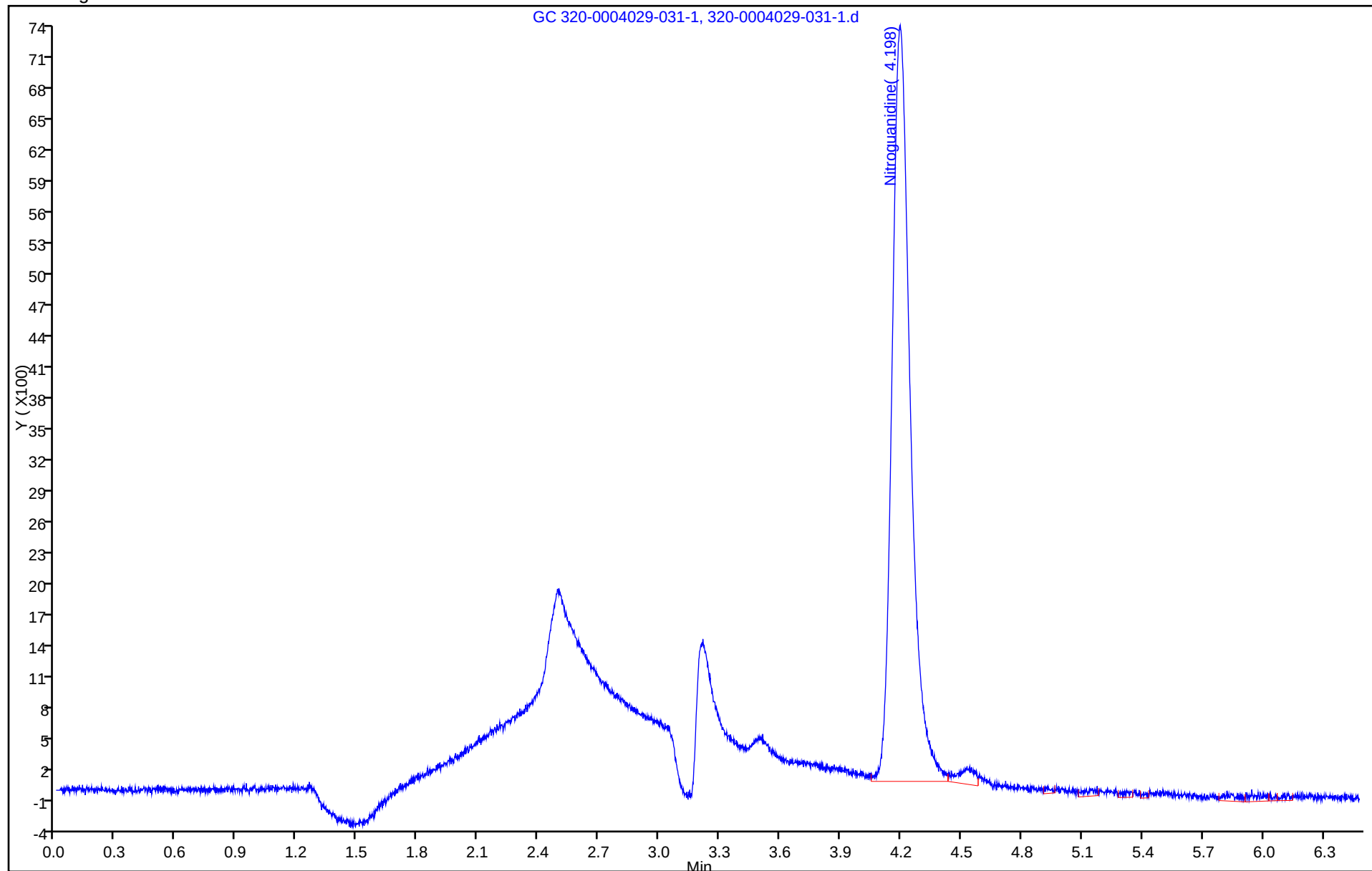
RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
----	-----------	-----------	----------	---------------------	-------

1 Nitroguanidine
4.198 4.210 -0.012 7259 177.3

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\PDA1\20130422-4029.b\320-0004029-031-1.d
Injection Date: 22-Apr-2013 21:34:00 Limit Group: LC 8330 Ngu ICAL
Client ID: 068SB-0060M-0001,0002-SO Instrument ID: PDA1
Lims Batch ID: 14805 Lims Sample ID: 31
Operator ID: KR Injection Vol: 50.0 ul
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm

Y Scaling:



HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica Sacramento Job No.: 240-22852-1

SDG No.: _____

Instrument ID: PDA1 Start Date: 04/09/2013 13:03Analysis Batch Number: 13890 End Date: 04/09/2013 16:01

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		04/09/2013 13:03	1		Luna NH2 4.6 (mm)
STD02 320-13890/4 IC		04/09/2013 13:21	1	320-0003774-004 -1.d	Luna NH2 4.6 (mm)
STD03 320-13890/5 IC		04/09/2013 13:39	1	320-0003774-005 -1.d	Luna NH2 4.6 (mm)
STD04 320-13890/6 IC		04/09/2013 13:56	1	320-0003774-006 -1.d	Luna NH2 4.6 (mm)
STD05 320-13890/7 IC		04/09/2013 14:14	1	320-0003774-007 -1.d	Luna NH2 4.6 (mm)
STD06 320-13890/8 IC		04/09/2013 14:32	1	320-0003774-008 -1.d	Luna NH2 4.6 (mm)
STD07 320-13890/9 IC		04/09/2013 14:50	1	320-0003774-009 -1.d	Luna NH2 4.6 (mm)
ZZZZZ		04/09/2013 15:08	1		Luna NH2 4.6 (mm)
ICV 320-13890/11		04/09/2013 15:25	1	320-0003774-011 -1.d	Luna NH2 4.6 (mm)
LODV 320-13890/12		04/09/2013 15:43	1	320-0003774-012 -1.d	Luna NH2 4.6 (mm)
CCVL 320-13890/13		04/09/2013 16:01	1		Luna NH2 4.6 (mm)

HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica SacramentoJob No.: 240-22852-1

SDG No.: _____

Instrument ID: PDA1Start Date: 04/22/2013 13:17Analysis Batch Number: 14805End Date: 04/22/2013 22:27

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 320-14805/3 CCVRT		04/22/2013 13:17	1		Luna NH2 4.6 (mm)
CCVL 320-14805/4		04/22/2013 13:35	1	320-0004029-004 -1.d	Luna NH2 4.6 (mm)
ZZZZZ		04/22/2013 13:53	1		Luna NH2 4.6 (mm)
ZZZZZ		04/22/2013 14:10	1		Luna NH2 4.6 (mm)
ZZZZZ		04/22/2013 14:28	1		Luna NH2 4.6 (mm)
ZZZZZ		04/22/2013 14:46	1		Luna NH2 4.6 (mm)
ZZZZZ		04/22/2013 15:04	1		Luna NH2 4.6 (mm)
ZZZZZ		04/22/2013 15:21	1		Luna NH2 4.6 (mm)
ZZZZZ		04/22/2013 15:39	1		Luna NH2 4.6 (mm)
ZZZZZ		04/22/2013 15:57	1		Luna NH2 4.6 (mm)
ZZZZZ		04/22/2013 16:15	1		Luna NH2 4.6 (mm)
ZZZZZ		04/22/2013 16:32	1		Luna NH2 4.6 (mm)
CCV 320-14805/15 CCVRT		04/22/2013 16:50	1		Luna NH2 4.6 (mm)
ZZZZZ		04/22/2013 17:08	1		Luna NH2 4.6 (mm)
ZZZZZ		04/22/2013 17:26	1		Luna NH2 4.6 (mm)
ZZZZZ		04/22/2013 17:43	1		Luna NH2 4.6 (mm)
ZZZZZ		04/22/2013 18:01	1		Luna NH2 4.6 (mm)
ZZZZZ		04/22/2013 18:19	1		Luna NH2 4.6 (mm)
ZZZZZ		04/22/2013 18:37	1		Luna NH2 4.6 (mm)
ZZZZZ		04/22/2013 18:54	1		Luna NH2 4.6 (mm)
ZZZZZ		04/22/2013 19:12	1		Luna NH2 4.6 (mm)
ZZZZZ		04/22/2013 19:30	1		Luna NH2 4.6 (mm)
ZZZZZ		04/22/2013 19:48	1		Luna NH2 4.6 (mm)
CCV 320-14805/26 CCVRT		04/22/2013 20:05	1	320-0004029-026 -1.d	Luna NH2 4.6 (mm)
MB 320-14609/1-A		04/22/2013 20:23	1	320-0004029-027 -1.d	Luna NH2 4.6 (mm)
LCS 320-14609/2-A		04/22/2013 20:41	1	320-0004029-028 -1.d	Luna NH2 4.6 (mm)
240-22852-1	068SB-0060M-0001,0002 -SO	04/22/2013 20:59	1	320-0004029-029 -1.d	Luna NH2 4.6 (mm)
240-22852-1 MS	068SB-0060M-0001,0002 -SO MS	04/22/2013 21:16	1	320-0004029-030 -1.d	Luna NH2 4.6 (mm)
240-22852-1 MSD	068SB-0060M-0001,0002 -SO MSD	04/22/2013 21:34	1	320-0004029-031 -1.d	Luna NH2 4.6 (mm)
ZZZZZ		04/22/2013 21:52	1		Luna NH2 4.6 (mm)
CCV 320-14805/32 CCVRT		04/22/2013 22:10	1	320-0004029-032 -1.d	Luna NH2 4.6 (mm)
CCVL 320-14805/33		04/22/2013 22:27	1	320-0004029-033 -1.d	Luna NH2 4.6 (mm)

HPLC/IC BATCH WORKSHEET

Lab Name: TestAmerica Sacramento Job No.: 240-22852-1

SDG No.: _____

Batch Number: 14609 Batch Start Date: 04/18/13 09:31 Batch Analyst: Arauz, HoracioBatch Method: Sieve/Ultrasoni Batch End Date: 04/19/13 07:40

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	HPNQSP 00008			
MB 320-14609/1		Sieve/Ultrasoni, 8330 Modified		2.00 g	10.00 mL				
LCS 320-14609/2		Sieve/Ultrasoni, 8330 Modified		2.00 g	10.00 mL	40 uL			
240-22852-G-1	068SB-0060M-0001,0002-SO	Sieve/Ultrasoni, 8330 Modified	T	2.05 g	10.00 mL				
240-22852-G-1 MS	068SB-0060M-0001,0002-SO	Sieve/Ultrasoni, 8330 Modified	T	2.09 g	10.00 mL	40 uL			
240-22852-G-1 MSD	068SB-0060M-0001,0002-SO	Sieve/Ultrasoni, 8330 Modified	T	2.02 g	10.00 mL	40 uL			

Batch Notes	
Balance ID	QA-070
Calcium Chloride Reagent ID	4515-027C
Date of Clean up	4/19/13
Analyst performed Clean Up	GB
Filter Lot #	R2SA72748
Filter Type	.45um MILLIPORE
Person's name who witnessed reagent drop	GB
Blank Sand Lot #	FISHER 120571
Sonication End Date	4-19-13
Sonication Start Date	4-18-13
Sonication Start Time	10:00
Sonication Stop Time	4:00
SOP Number	WS-LC-0010
Maximum Temperature	33 Degrees C
Minimum Temperature	11 Degrees C

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

HPLC/IC BATCH WORKSHEET

Lab Name: TestAmerica Sacramento Job No.: 240-22852-1

SDG No.: _____

Batch Number: 14609 Batch Start Date: 04/18/13 09:31 Batch Analyst: Arauz, HoracioBatch Method: Sieve/Ultrasoni Batch End Date: 04/19/13 07:40

Basis	Basis Description
T	Total/NA

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

Method 8330B

Nitroaromatics and Nitramines (HPLC)
by Method 8330B

FORM II
HPLC/IC SURROGATE RECOVERY

Lab Name: TestAmerica Sacramento Job No.: 240-22852-1
SDG No.: _____
Matrix: Solid Level: Low
GC Column (1): Synergi C18 ID: 4.6 (mm)

Client Sample ID	Lab Sample ID	DNT1 #
068SB-0060M-0001,0 002-SO	240-22852-1	90
	MB 320-14603/1-A	89
	LCS 320-14603/2-A	93
068SB-0060M-0001,0 002-SO MS	240-22852-1 MS	95
068SB-0060M-0001,0 002-SO MSD	240-22852-1 MSD	94

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 Sacramento Job No.: 240-22852-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: S000056.D
 Lab ID: LCS 320-14603/2-A Client ID: _____

COMPOUND	SPIKE ADDED (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC	QC LIMITS REC	#
2-Amino-4,6-dinitrotoluene	0.500	0.485	97	79-119	
4-Amino-2,6-dinitrotoluene	0.500	0.496	99	81-121	
1,3-Dinitrobenzene	0.500	0.497	99	81-121	
2,4-Dinitrotoluene	0.500	0.483	97	79-119	
2,6-Dinitrotoluene	0.500	0.480	96	79-119	
HMX	0.500	0.499	100	80-120	
Nitrobenzene	0.500	0.495	99	80-120	
Nitroglycerin	1.00	0.967	97	76-116	
2-Nitrotoluene	0.500	0.478	96	78-118	
3-Nitrotoluene	0.500	0.485	97	77-117	
4-Nitrotoluene	0.500	0.478	96	78-118	
PETN	1.00	0.884	88	76-116	
RDX	0.500	0.481	96	82-122	
Tetryl	0.500	0.424	85	63-120	
1,3,5-Trinitrobenzene	0.500	0.494	99	81-121	
2,4,6-Trinitrotoluene	0.500	0.433	87	65-105	

Column to be used to flag recovery and RPD values

FORM III
HPLC/IC MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Sacramento Job No.: 240-22852-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: S000059.D
 Lab ID: 240-22852-1 MS Client ID: 068SB-0060M-0001,0002-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	0.500	0.050 U	0.488	98	79-119	
4-Amino-2,6-dinitrotoluene	0.500	0.050 U	0.494	99	81-121	
1,3-Dinitrobenzene	0.500	0.050 U	0.501	100	81-121	
2,4-Dinitrotoluene	0.500	0.050 U	0.486	97	79-119	
2,6-Dinitrotoluene	0.500	0.050 U	0.489	98	79-119	
HMX	0.500	0.050 U	0.487	97	80-120	
Nitrobenzene	0.500	0.050 U	0.501	100	80-120	
Nitroglycerin	1.00	0.25 U	0.918	92	76-116	
2-Nitrotoluene	0.500	0.050 U	0.479	96	78-118	
3-Nitrotoluene	0.500	0.050 U	0.486	97	77-117	M
4-Nitrotoluene	0.500	0.050 U	0.481	96	78-118	
PETN	1.00	0.25 U	0.895	89	76-116	
RDX	0.500	0.050 U	0.458	92	82-122	
Tetryl	0.500	0.050 U	0.434	87	63-120	
1,3,5-Trinitrobenzene	0.500	0.050 U	0.502	100	81-121	
2,4,6-Trinitrotoluene	0.500	0.050 U	0.441	88	65-105	

Column to be used to flag recovery and RPD values

FORM III
HPLC/IC MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Sacramento Job No.: 240-22852-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: S000060.D
 Lab ID: 240-22852-1 MSD Client ID: 068SB-0060M-0001,0002-SO MSD

COMPOUND	SPIKE ADDED (mg/Kg)	MSD CONCENTRATION (mg/Kg)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
2-Amino-4,6-dinitrotoluene	0.498	0.481	97	1	20	79-119	
4-Amino-2,6-dinitrotoluene	0.498	0.486	98	2	20	81-121	
1,3-Dinitrobenzene	0.498	0.498	100	1	20	81-121	
2,4-Dinitrotoluene	0.498	0.482	97	1	20	79-119	
2,6-Dinitrotoluene	0.498	0.483	97	1	20	79-119	
HMX	0.498	0.485	97	0	20	80-120	
Nitrobenzene	0.498	0.499	100	0	20	80-120	
Nitroglycerin	0.996	0.897	90	2	20	76-116	
2-Nitrotoluene	0.498	0.477	96	0	20	78-118	
3-Nitrotoluene	0.498	0.482	97	1	20	77-117	M
4-Nitrotoluene	0.498	0.479	96	0	20	78-118	
PETN	0.996	0.885	89	1	20	76-116	
RDX	0.498	0.455	91	1	20	82-122	
Tetryl	0.498	0.430	86	1	20	63-120	
1,3,5-Trinitrobenzene	0.498	0.499	100	1	20	81-121	
2,4,6-Trinitrotoluene	0.498	0.435	87	2	20	65-105	

Column to be used to flag recovery and RPD values

FORM IV
HPLC/IC METHOD BLANK SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22852-1
SDG No.: _____
Lab Sample ID: MB 320-14603/1-A
Matrix: Solid Date Extracted: 04/18/2013 09:19
Lab File ID: (1) S000055.D Lab File ID: (2) _____
Date Analyzed: (1) 04/21/2013 00:36 Date Analyzed: (2) _____
Instrument ID: (1) LC10 Instrument ID: (2) _____
GC Column: (1) Synergi C18 ID: 4.6 (mm) GC Column: (2) _____ ID: _____

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
	LCS 320-14603/2-A	04/21/2013 01:20	
068SB-0060M-0001,0002-SO	240-22852-1	04/21/2013 02:47	
068SB-0060M-0001,0002-SO MS	240-22852-1 MS	04/21/2013 03:31	
068SB-0060M-0001,0002-SO MSD	240-22852-1 MSD	04/21/2013 04:14	

FORM VIII
HPLC/IC ANALYTICAL SEQUENCE

Lab Name: TestAmerica Sacramento Job No.: 240-22852-1
 SDG No.: _____
 Sample No.: CCV 320-14706/32 Date Analyzed: 04/20/2013 17:19
 Instrument ID: LC10 GC Column: Synergi C18 ID: 4.6 (mm)
 Lab File ID (Standard): S000045.D Heated Purge: (Y/N) N
 Calibration ID: 2667

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSS IS GIVEN BELOW:

				DNT		
				RT #		
CONTINUING CALIBRATION SURROGATE				16.30		
UPPER LIMIT				16.55		
LOWER LIMIT				16.05		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCV 320-14706/32 CCVRT		04/20/2013 17:19	S000045.D	16.30		
CCVL 320-14706/33		04/20/2013 18:03	S000046.D	16.28		
MB 320-14603/1-A		04/21/2013 00:36	S000055.D	16.32		
LCS 320-14603/2-A		04/21/2013 01:20	S000056.D	16.33		

DNT = 3,4-Dinitrotoluene

DNT RT Limit = $\pm$ 0.25 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII
HPLC/IC ANALYTICAL SEQUENCE

Lab Name: TestAmerica Sacramento Job No.: 240-22852-1
 SDG No.: _____
 Sample No.: CCV 320-14706/44 Date Analyzed: 04/21/2013 02:03
 Instrument ID: LC10 GC Column: Synergi C18 ID: 4.6 (mm)
 Lab File ID (Standard): S000057.D Heated Purge: (Y/N) N
 Calibration ID: 2667

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSS IS GIVEN BELOW:

				DNT		
				RT #		
CONTINUING CALIBRATION SURROGATE				16.31		
UPPER LIMIT				16.56		
LOWER LIMIT				16.06		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCV 320-14706/44 CCVRT		04/21/2013 02:03	S000057.D	16.31		
240-22852-1	068SB-0060M-0001,0002 -SO	04/21/2013 02:47	S000058.D	16.34		
240-22852-1 MS	068SB-0060M-0001,0002 -SO MS	04/21/2013 03:31	S000059.D	16.32		
240-22852-1 MSD	068SB-0060M-0001,0002 -SO MSD	04/21/2013 04:14	S000060.D	16.33		

DNT = 3,4-Dinitrotoluene

DNT RT Limit = $\pm$ 0.25 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII
HPLC/IC ANALYTICAL SEQUENCE

Lab Name: TestAmerica Sacramento Job No.: 240-22852-1
SDG No.: _____
Sample No.: CCV 320-14706/55 Date Analyzed: 04/21/2013 10:04
Instrument ID: LC10 GC Column: Synergi C18 ID: 4.6 (mm)
Lab File ID (Standard): S000068.D Heated Purge: (Y/N) N
Calibration ID: 2667

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSS IS GIVEN BELOW:

				DNT		
				RT #		
CONTINUING CALIBRATION SURROGATE				16.40		
UPPER LIMIT				16.65		
LOWER LIMIT				16.15		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCV 320-14706/55 CCVRT		04/21/2013 10:04	S000068.D	16.40		
CCVL 320-14706/56		04/21/2013 10:48	S000069.D	16.40		

DNT = 3,4-Dinitrotoluene

DNT RT Limit = $\pm$ 0.25 minutes of surrogate RT

Column used to flag values outside QC limits

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-22852-1
 SDG No.: _____
 Client Sample ID: 068SB-0060M-0001,0002-SO Lab Sample ID: 240-22852-1
 Matrix: Solid Lab File ID: S000058.D
 Analysis Method: 8330B Date Collected: 04/04/2013 14:10
 Extraction Method: 8330B Date Extracted: 04/18/2013 09:19
 Sample wt/vol: 10.09(g) Date Analyzed: 04/21/2013 02:47
 Con. Extract Vol.: 80(mL) Dilution Factor: 1
 Injection Volume: 500(uL) GC Column: Synergi C18 ID: 4.6(mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 14706 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	0.0099
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	0.0072
2691-41-0	HMX	0.050	U	0.25	0.050	0.012
98-95-3	Nitrobenzene	0.050	U	0.25	0.050	0.017
55-63-0	Nitroglycerin	0.25	U	0.50	0.25	0.015
88-72-2	2-Nitrotoluene	0.050	U	0.25	0.050	0.013
99-08-1	3-Nitrotoluene	0.050	U	0.25	0.050	0.015
99-99-0	4-Nitrotoluene	0.050	U	0.25	0.050	0.018
78-11-5	PETN	0.25	U	0.50	0.25	0.025
121-82-4	RDX	0.050	U	0.25	0.050	0.012
479-45-8	Tetryl	0.050	U	0.25	0.050	0.0099
99-35-4	1,3,5-Trinitrobenzene	0.050	U	0.25	0.050	0.0099
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	90		78-118

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20130419-4003.b\S000058.D
Lims ID: 240-22852-G-1-A Client ID: 068SB-0060M-0001,0002-SO
Inject. Date: 21-Apr-2013 02:47:29 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 320-0004003-045
Misc. Info.:
Operator: RN Instrument ID: LC10
Injection Vol: 500.0 ul ALS Bottle#: 60
Lims Batch ID: 14706 Lims Sample ID: 45
Method: \\SACChrom\ChromData\LC10\20130419-4003.b\8330_LC10.m
Last Update: 22-Apr-2013 09:54:09 Calib Date: 19-Apr-2013 15:51:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000010.D
Limit Group: LC 8330B ICAL
Integrator: Falcon
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
Process Host: XAWRK024

First Level Reviewer: shafern

Date: 22-Apr-2013 09:20:54

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

\$ 30 3,4-Dinitrotoluene

1	16.336	16.305	0.031	3209	56.1	
2	16.340	16.305	0.035	6142	57.3	

Report Date: 22-Apr-2013 09:55:15

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

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130419-4003.b\S000058.D

Injection Date: 21-Apr-2013 02:47:29

Limit Group: LC 8330B ICAL

Client ID: 068SB-0060M-0001,0002-SO

Instrument ID: LC10

Lims Batch ID: 14706

Lims Sample ID: 45

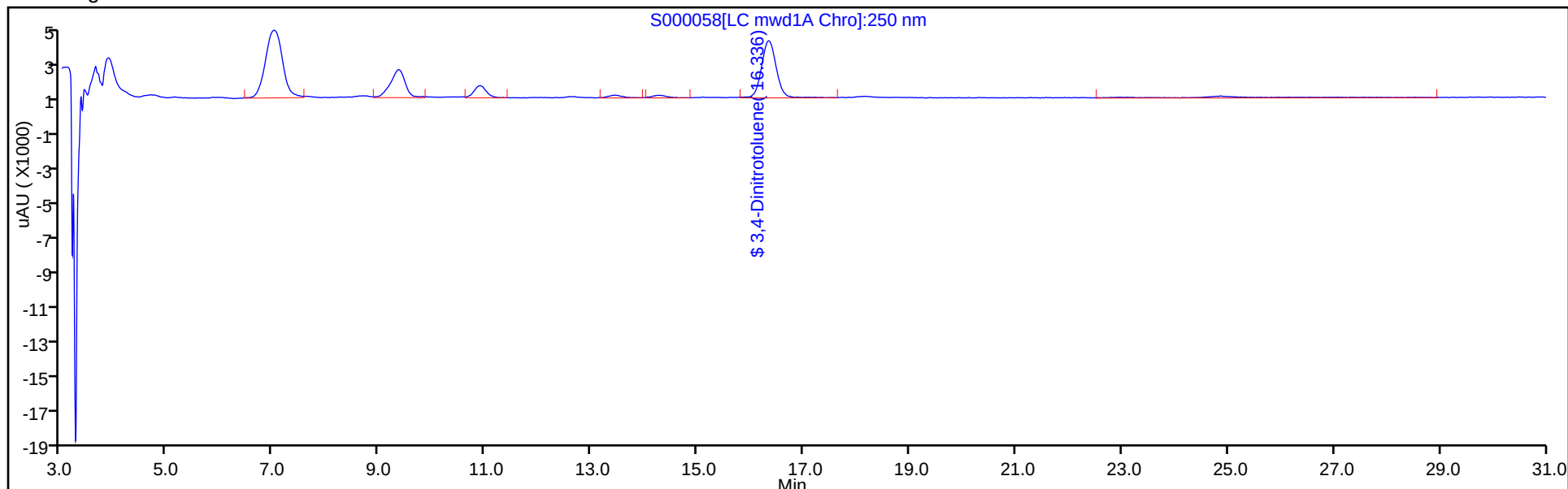
Operator ID: RN

Injection Vol: 500.0 ul

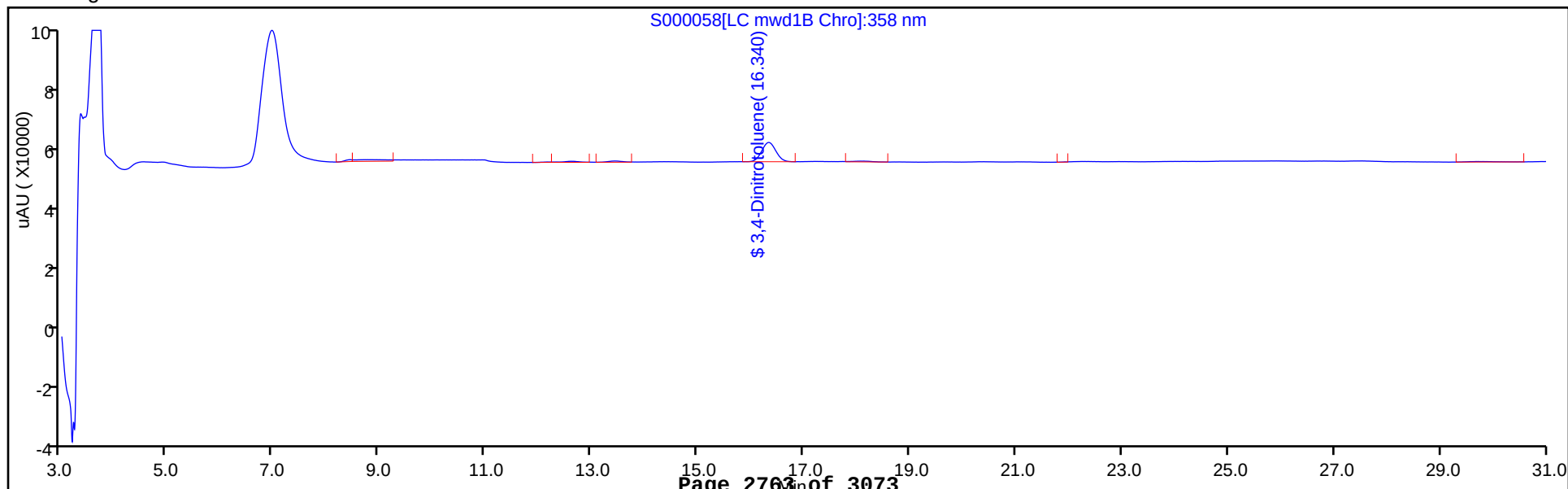
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



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

Lab Name: TestAmerica Sacramento Job No.: 240-22852-1 Analy Batch No.: 14686

SDG No.: _____

Instrument ID: LC10 GC Column: Synergi C18 ID: 4.6(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2013 10:45 Calibration End Date: 04/19/2013 15:51 Calibration ID: 2667

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 320-14686/2	S000003.D
Level 2	STD02 320-14686/3	S000004.D
Level 3	STD03 320-14686/4	S000005.D
Level 4	STD04 320-14686/5	S000006.D
Level 5	STD05 320-14686/6	S000007.D
Level 6	ICRT 320-14686/7	S000008.D
Level 7	STD07 320-14686/8	S000009.D
Level 8	STD08 320-14686/9	S000010.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 7	LVL 8			RT WINDOW	AVG RT
HMX	5.180	5.177	5.181	5.177	5.177	5.176	5.172	5.157			4.927 - 5.427	5.175
RDX	7.403	7.400	7.395	7.397	7.397	7.393	7.389	7.354			7.147 - 7.647	7.391
Ethylene glycol dinitrate	8.060	8.064	8.055	8.060	8.061	8.059	8.055	8.030			7.811 - 8.311	8.056
Picric acid	++++	8.494	8.481	8.480	8.471	8.433	8.402	8.317			8.221 - 8.721	8.440
1,3,5-Trinitrobenzene	9.646	9.644	9.645	9.640	9.644	9.643	9.642	9.614			9.394 - 9.894	9.640
1,3-Dinitrobenzene	12.223	12.214	12.208	12.207	12.211	12.206	12.209	12.164			11.961 - 12.461	12.205
3,5-Dinitroaniline	12.933	12.950	12.931	12.934	12.941	12.933	12.939	12.887			12.691 - 13.191	12.931
Tetryl	13.233	13.230	13.211	13.217	13.221	13.223	13.229	13.191			12.971 - 13.471	13.219
Nitrobenzene	13.887	13.897	13.871	13.880	13.884	13.886	13.885	13.841			13.634 - 14.134	13.879
Nitroglycerin	14.423	14.430	14.415	14.410	14.418	14.423	14.429	14.394			14.168 - 14.668	14.418
2,4,6-Trinitrotoluene	15.280	15.287	15.291	15.284	15.291	15.293	15.302	15.271			15.041 - 15.541	15.287
4-Amino-2,6-dinitrotoluene	15.850	15.850	15.838	15.834	15.838	15.839	15.852	15.797			15.588 - 16.088	15.837
2-Amino-4,6-dinitrotoluene	16.800	16.817	16.791	16.794	16.801	16.799	16.815	16.761			16.551 - 17.051	16.797
2,6-Dinitrotoluene	18.317	18.304	18.305	18.290	18.308	18.309	18.329	18.281			18.058 - 18.558	18.305
2,4-Dinitrotoluene	18.933	18.947	18.941	18.934	18.948	18.949	18.972	18.921			18.698 - 19.198	18.943
2-Nitrotoluene	22.110	22.157	22.171	22.137	22.151	22.163	22.179	22.141			21.901 - 22.401	22.151
4-Nitrotoluene	23.757	23.737	23.768	23.760	23.768	23.783	23.802	23.771			23.518 - 24.018	23.768
3-Nitrotoluene	25.583	25.587	25.541	25.564	25.564	25.583	25.605	25.581			25.314 - 25.814	25.576
PETN	27.533	27.490	27.475	27.477	27.491	27.509	27.542	27.541			27.241 - 27.741	27.507
3,4-Dinitrotoluene	16.247	16.284	16.275	16.267	16.271	16.279	16.282	16.231			16.021 - 16.521	16.267

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

Lab Name: TestAmerica Sacramento Job No.: 240-22852-1 Analy Batch No.: 14686

SDG No.: _____

Instrument ID: LC10 GC Column: Synergi C18 ID: 4.6(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2013 10:45 Calibration End Date: 04/19/2013 15:51 Calibration ID: 2667

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 320-14686/2	S000003.D
Level 2	STD02 320-14686/3	S000004.D
Level 3	STD03 320-14686/4	S000005.D
Level 4	STD04 320-14686/5	S000006.D
Level 5	STD05 320-14686/6	S000007.D
Level 6	ICRT 320-14686/7	S000008.D
Level 7	STD07 320-14686/8	S000009.D
Level 8	STD08 320-14686/9	S000010.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	126.20 126.94	133.90 126.34	129.40 123.13	127.44 110.29	Ave		125.454750				5.5		20.0			
RDX	114.20 88.680	105.20 86.205	95.900 80.180	91.100 66.491	Ave		90.9945000				16.0		20.0			
Ethylene glycol dinitrate	115.00 111.75	119.90 113.80	112.40 108.37	110.18 92.745	Ave		110.517500				7.2		20.0			
Picric acid	+++++ 107.67	172.80 130.31	145.98 121.10	142.38 105.54	Ave		132.254000				18.0		20.0			
1,3,5-Trinitrobenzene	168.20 165.60	176.00 163.97	169.10 157.89	166.78 140.81	Ave		163.543750				6.4		20.0			
1,3-Dinitrobenzene	167.20 164.82	176.20 162.71	168.65 155.44	166.62 136.28	Ave		162.240750				7.4		20.0			
3,5-Dinitroaniline	107.00 105.01	113.00 103.79	107.65 99.322	106.54 86.750	Ave		103.632750				7.6		20.0			
Tetryl	95.400 93.960	100.70 93.875	95.000 93.632	94.300 90.160	Ave		94.6283750				3.1		20.0			
Nitrobenzene	75.400 72.540	76.400 71.455	73.200 68.382	73.540 60.068	Ave		71.3731250				7.3		20.0			
Nitroglycerin	78.800 67.560	76.800 67.230	78.850 65.164	68.060 60.020	Ave		70.3105000				9.9		20.0			
2,4,6-Trinitrotoluene	97.000 95.170	102.60 95.040	97.000 93.406	95.380 87.568	Ave		95.3955000				4.4		20.0			
4-Amino-2,6-dinitrotoluene	81.800 78.520	84.300 78.110	80.050 76.008	78.900 69.235	Ave		78.3653750				5.7		20.0			
2-Amino-4,6-dinitrotoluene	87.400 84.320	90.900 83.815	85.950 81.216	85.080 73.519	Ave		84.0250000				6.1		20.0			
2,6-Dinitrotoluene	61.000 59.670	65.200 59.535	61.350 58.016	60.100 53.808	Ave		59.8348750				5.4		20.0			

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

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

Lab Name: TestAmerica Sacramento Job No.: 240-22852-1 Analy Batch No.: 14686

SDG No.: _____

Instrument ID: LC10 GC Column: Synergi C18 ID: 4.6(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2013 10:45 Calibration End Date: 04/19/2013 15:51 Calibration ID: 2667

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	100.20 98.960	106.80 98.490	100.85 96.230	99.640 89.180	Ave		98.7937500				5.0		20.0			
2-Nitrotoluene	44.800 42.090	46.600 41.655	42.850 40.988	42.560 38.030	Ave		42.4466250				6.0		20.0			
4-Nitrotoluene	55.000 52.890	57.300 52.470	54.000 51.724	52.980 48.433	Ave		53.0996250				4.8		20.0			
3-Nitrotoluene	51.800 52.100	55.700 51.825	53.200 51.110	52.260 48.102	Ave		52.0121250				4.1		20.0			
PETN	50.800 36.890	45.800 36.275	38.600 35.954	34.820 35.657	Ave		39.3495000				15.0		20.0			
3,4-Dinitrotoluene	60.600 55.570	59.100 54.940	56.450 55.837	59.720 55.520	Ave		57.2170833				3.9		20.0			

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

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

Lab Name: TestAmerica Sacramento Job No.: 240-22852-1 Analy Batch No.: 14686

SDG No.: _____

Instrument ID: LC10 GC Column: Synergi C18 ID: 4.6(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2013 10:45 Calibration End Date: 04/19/2013 15:51 Calibration ID: 2667

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 320-14686/2	S000003.D
Level 2	STD02 320-14686/3	S000004.D
Level 3	STD03 320-14686/4	S000005.D
Level 4	STD04 320-14686/5	S000006.D
Level 5	STD05 320-14686/6	S000007.D
Level 6	ICRT 320-14686/7	S000008.D
Level 7	STD07 320-14686/8	S000009.D
Level 8	STD08 320-14686/9	S000010.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	631 25267	1339 61566	2588 110291	6372	12694	5.00 200	10.0 500	20.0 1000	50.0	100
RDX	Ave	571 17241	1052 40090	1918 66491	4555	8868	5.00 200	10.0 500	20.0 1000	50.0	100
Ethylene glycol dinitrate	Ave	575 22759	1199 54185	2248 92745	5509	11175	5.00 200	10.0 500	20.0 1000	50.0	100
Picric acid	Ave	++++ 65156	3456 121095	7299 211078	14238	26918	++++ 500	20.0 1000	50.0 2000	100	250
1,3,5-Trinitrobenzene	Ave	841 32794	1760 78943	3382 140814	8339	16560	5.00 200	10.0 500	20.0 1000	50.0	100
1,3-Dinitrobenzene	Ave	836 32542	1762 77722	3373 136282	8331	16482	5.00 200	10.0 500	20.0 1000	50.0	100
3,5-Dinitroaniline	Ave	535 20758	1130 49661	2153 86750	5327	10501	5.00 200	10.0 500	20.0 1000	50.0	100
Tetryl	Ave	477 18775	1007 46816	1900 90160	4715	9396	5.00 200	10.0 500	20.0 1000	50.0	100
Nitrobenzene	Ave	377 14291	764 34191	1464 60068	3677	7254	5.00 200	10.0 500	20.0 1000	50.0	100
Nitroglycerin	Ave	394 13446	768 32582	1577 60020	3403	6756	5.00 200	10.0 500	20.0 1000	50.0	100
2,4,6-Trinitrotoluene	Ave	485 19008	1026 46703	1940 87568	4769	9517	5.00 200	10.0 500	20.0 1000	50.0	100
4-Amino-2,6-dinitrotoluene	Ave	409 15622	843 38004	1601 69235	3945	7852	5.00 200	10.0 500	20.0 1000	50.0	100
2-Amino-4,6-dinitrotoluene	Ave	437 16763	909 40608	1719 73519	4254	8432	5.00 200	10.0 500	20.0 1000	50.0	100
2,6-Dinitrotoluene	Ave	305 11907	652 29008	1227 53808	3005	5967	5.00 200	10.0 500	20.0 1000	50.0	100
2,4-Dinitrotoluene	Ave	501 19698	1068 48115	2017 89180	4982	9896	5.00 200	10.0 500	20.0 1000	50.0	100

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

Lab Name: TestAmerica Sacramento Job No.: 240-22852-1 Analy Batch No.: 14686

SDG No.: _____

Instrument ID: LC10 GC Column: Synergi C18 ID: 4.6(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2013 10:45 Calibration End Date: 04/19/2013 15:51 Calibration ID: 2667

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	224 8331	466 20494	857 38030	2128	4209	5.00 200	10.0 500	20.0 1000	50.0	100
4-Nitrotoluene	Ave	275 10494	573 25862	1080 48433	2649	5289	5.00 200	10.0 500	20.0 1000	50.0	100
3-Nitrotoluene	Ave	259 10365	557 25555	1064 48102	2613	5210	5.00 200	10.0 500	20.0 1000	50.0	100
PETN	Ave	254 7255	458 17977	772 35657	1741	3689	5.00 200	10.0 500	20.0 1000	50.0	100
3,4-Dinitrotoluene	Ave	303 10988	591 16751	1129 27760	2986	5557	5.00 200	10.0 300	20.0 500	50.0	100

Curve Type Legend:

Ave = Average by Height

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000003.D
 Lims ID: STD01 Client ID:
 Inject. Date: 19-Apr-2013 10:45:31 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 1
 Sample ID: 320-0003998-002
 Misc. Info.:
 Operator: RN Instrument ID: LC10
 Injection Vol: 500.0 ul ALS Bottle#: 11
 Lims Batch ID: 14686 Lims Sample ID: 2
 Sublist: chrom-8330_LC10*sub1
 Method: \\SACChrom\ChromData\LC10\20130419-3998.b\8330_LC10.m
 Last Update: 22-Apr-2013 09:45:24 Calib Date: 19-Apr-2013 15:51:00
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000010.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
 Process Host: XAWRK024

First Level Reviewer: shafern

Date: 19-Apr-2013 11:37:41

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	5.180	5.177	0.003	631	5.03	
19 RDX						
1	7.403	7.397	0.006	571	6.28	
3 Ethylene glycol dinitrate						
2	8.060	8.061	-0.001	575	5.20	
10 2,4,6-Trinitrophenol						
2	8.500	8.471	0.029	2007	15.2	
1	8.506	8.471	0.035	1156	12.5	
27 1,3,5-Trinitrobenzene						
1	9.646	9.644	0.002	841	5.14	
24 1,3-Dinitrobenzene						
1	12.223	12.211	0.012	836	5.15	
9 3,5-Dinitroaniline						
1	12.933	12.941	-0.008	535	5.16	
20 Tetryl						
1	13.233	13.221	0.012	477	5.04	
5 Nitrobenzene						
1	13.887	13.884	0.003	377	5.28	
7 Nitroglycerin						
2	14.423	14.418	0.005	394	5.60	
25 2,4,6-Trinitrotoluene						
1	15.280	15.291	-0.011	485	5.08	
26 4-Amino-2,6-dinitrotoluene						
1	15.850	15.838	0.012	409	5.22	
\$ 30 3,4-Dinitrotoluene						
1	16.247	16.271	-0.024	303	5.30	
2	16.270	16.274	-0.004	555	5.18	

Data File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000003.D

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
6 2-Amino-4,6-dinitrotoluene						M
1	16.800	16.801	-0.001	437	5.20	M
12 2,6-Dinitrotoluene						
1	18.317	18.308	0.009	305	5.10	
23 2,4-Dinitrotoluene						
1	18.933	18.948	-0.015	501	5.07	
16 o-Nitrotoluene						M
1	22.110	22.151	-0.041	224	5.28	M
15 p-Nitrotoluene						
1	23.757	23.768	-0.011	275	5.18	
8 m-Nitrotoluene						M
1	25.583	25.564	0.019	259	4.98	M
21 PETN						
2	27.533	27.491	0.042	254	6.45	

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 22-Apr-2013 09:45:25

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

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000003.D

Injection Date: 19-Apr-2013 10:45:31

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 14686

Lims Sample ID: 2

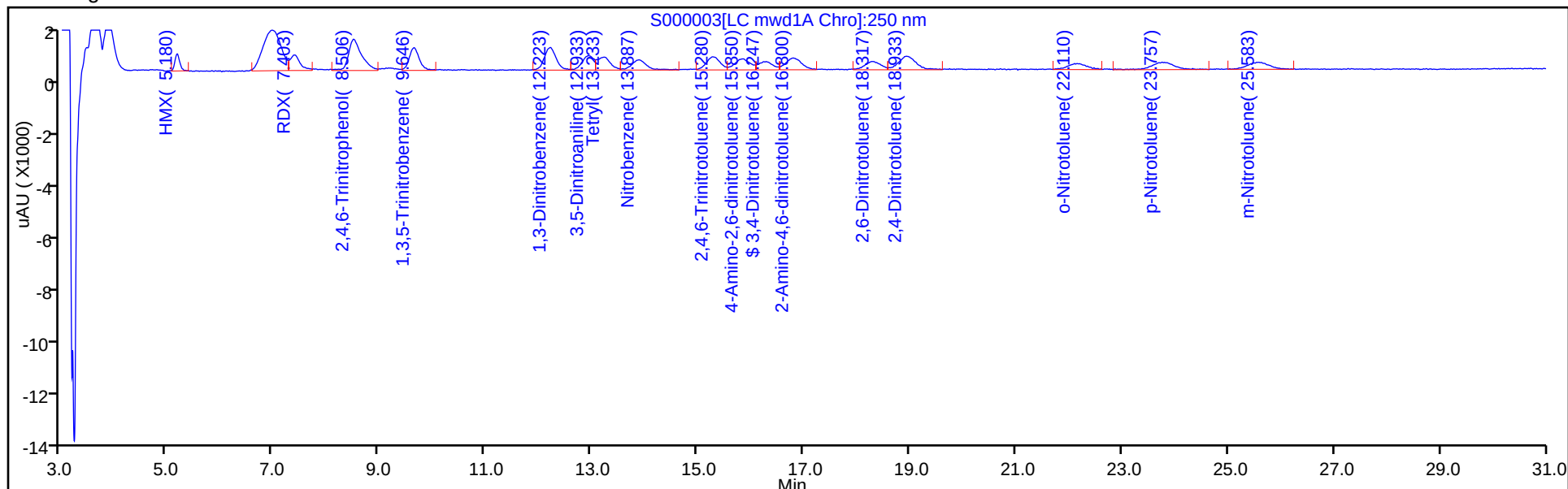
Operator ID: RN

Injection Vol: 500.0 ul

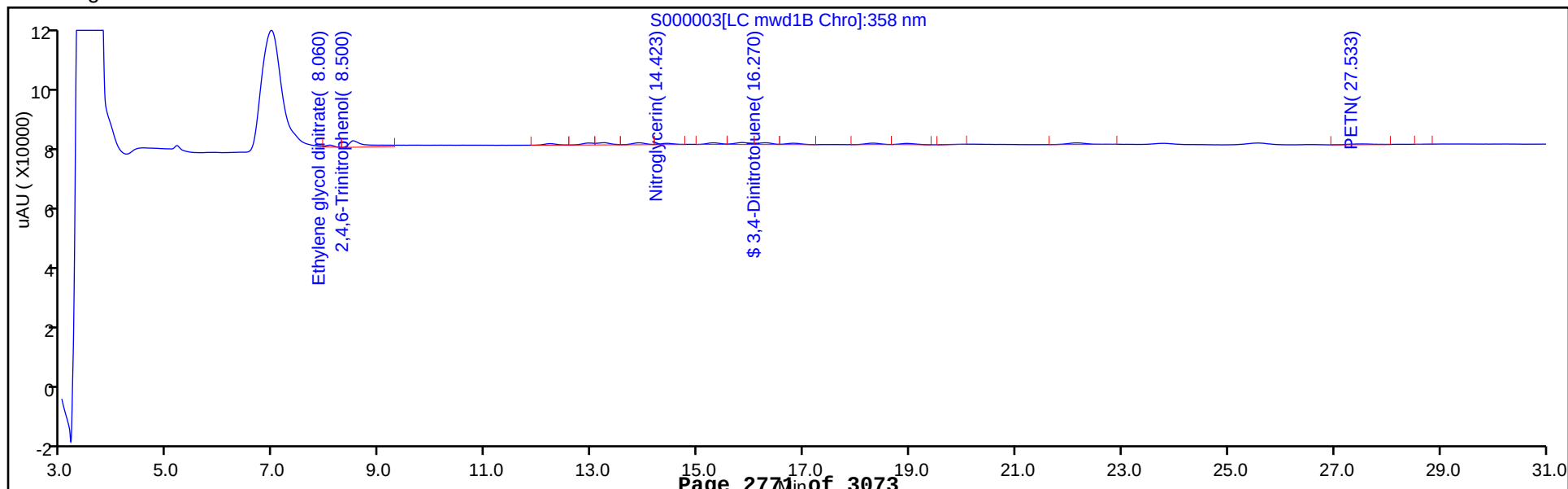
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000003.D

Injection Date: 19-Apr-2013 10:45:31

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 14686

Lims Sample ID: 2

Operator ID: RN

Injection Vol: 500.0 ul

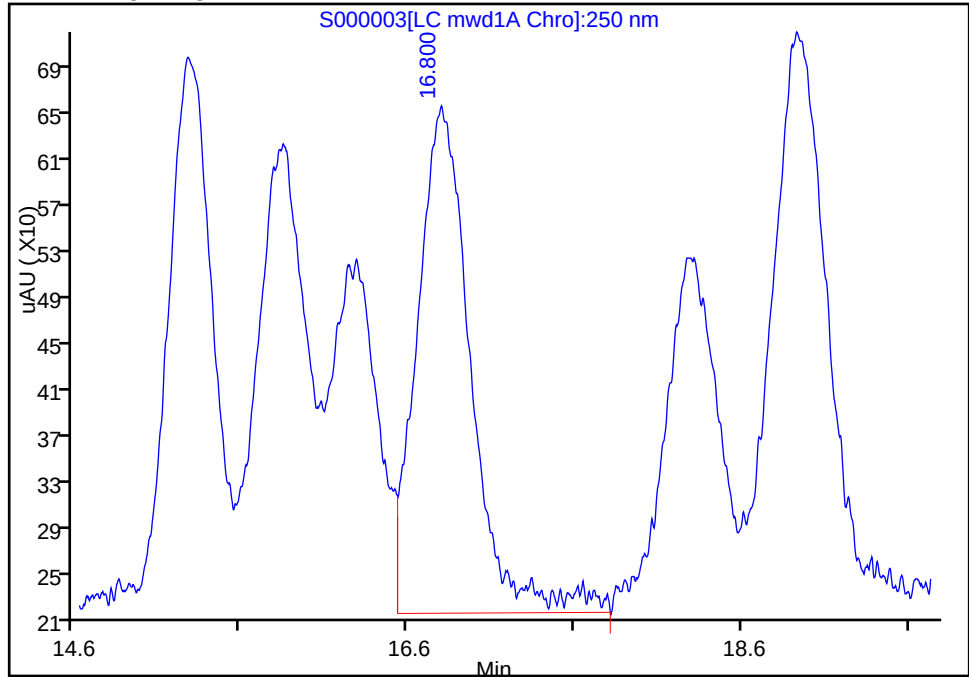
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

6 2-Amino-4,6-dinitrotoluene, Signal: 1, Type: quant, RT: 16.80, Det: LC mwd1A

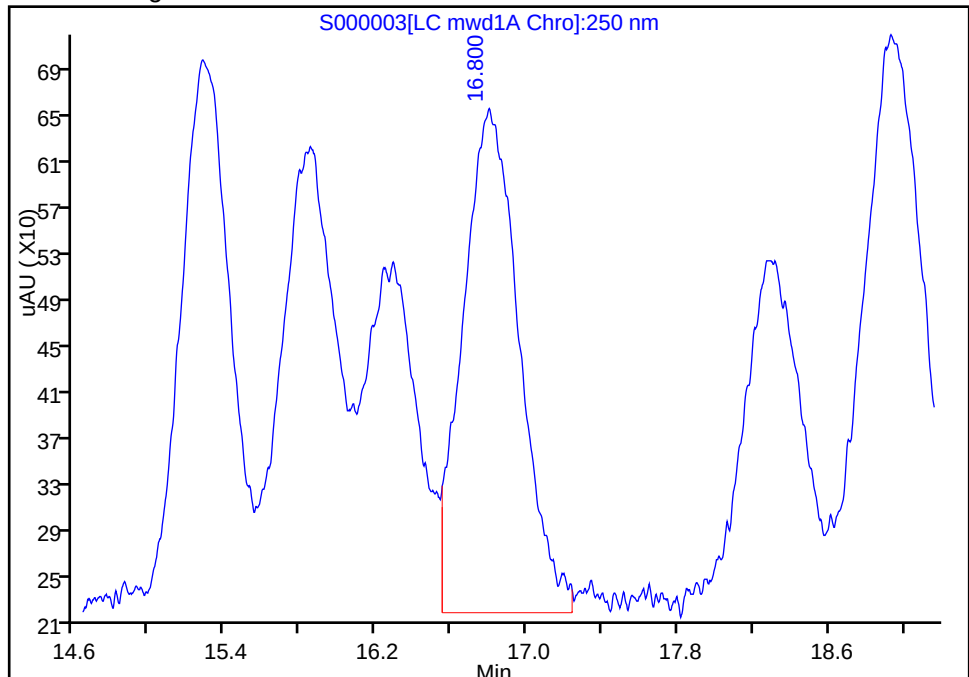
RT: 16.80
Response: 440
Amount: 5.000000

Processing Integration Results



RT: 16.80
Response: 437
Amount: 5.200833

Manual Integration Results



Reviewer: shafern, 19-Apr-2013 11:37:41

Audit Action: Manually Integrated

Audit Reason: Baseline

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000003.D

Injection Date: 19-Apr-2013 10:45:31

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 14686

Lims Sample ID: 2

Operator ID: RN

Injection Vol: 500.0 ul

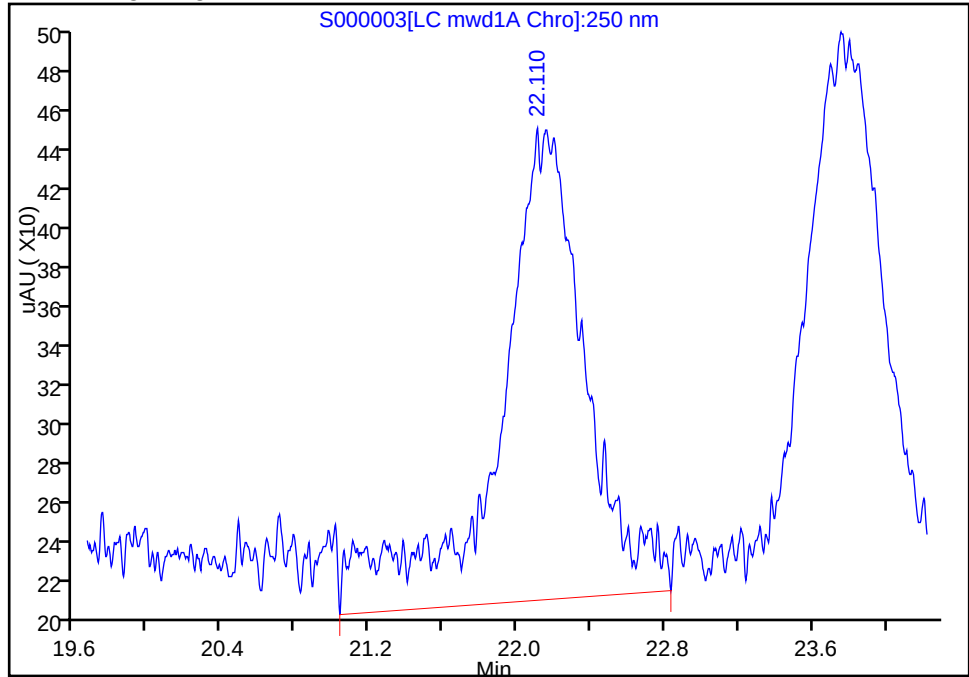
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

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

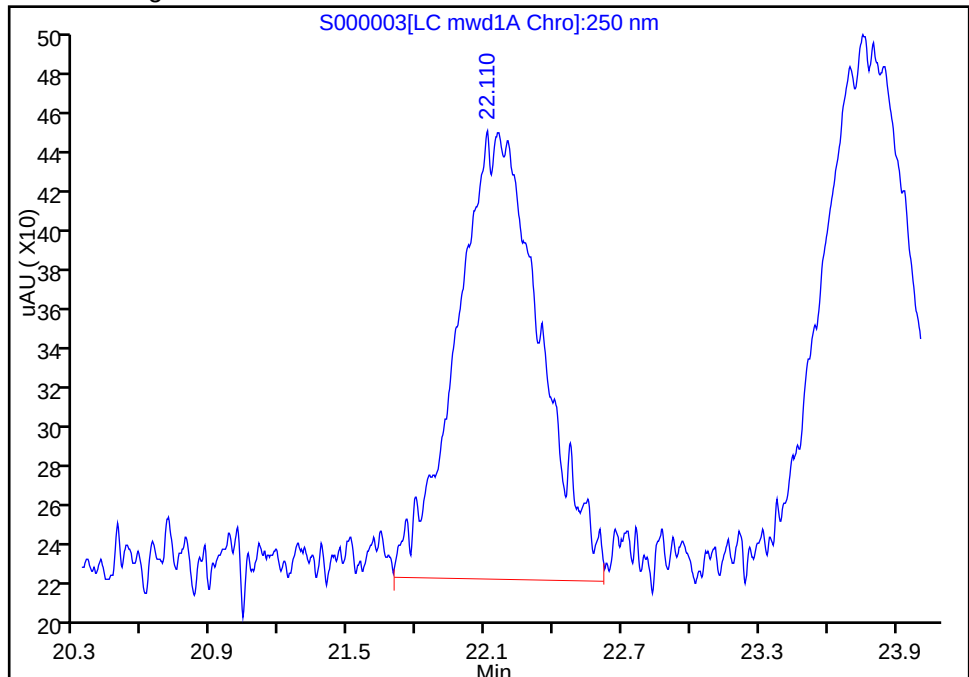
RT: 22.11
Response: 236
Amount: 5.000000

Processing Integration Results



RT: 22.11
Response: 224
Amount: 5.277216

Manual Integration Results



Reviewer: shafern, 19-Apr-2013 11:37:41

Audit Action: Manually Integrated

Audit Reason: Baseline

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000003.D

Injection Date: 19-Apr-2013 10:45:31

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 14686

Lims Sample ID: 2

Operator ID: RN

Injection Vol: 500.0 ul

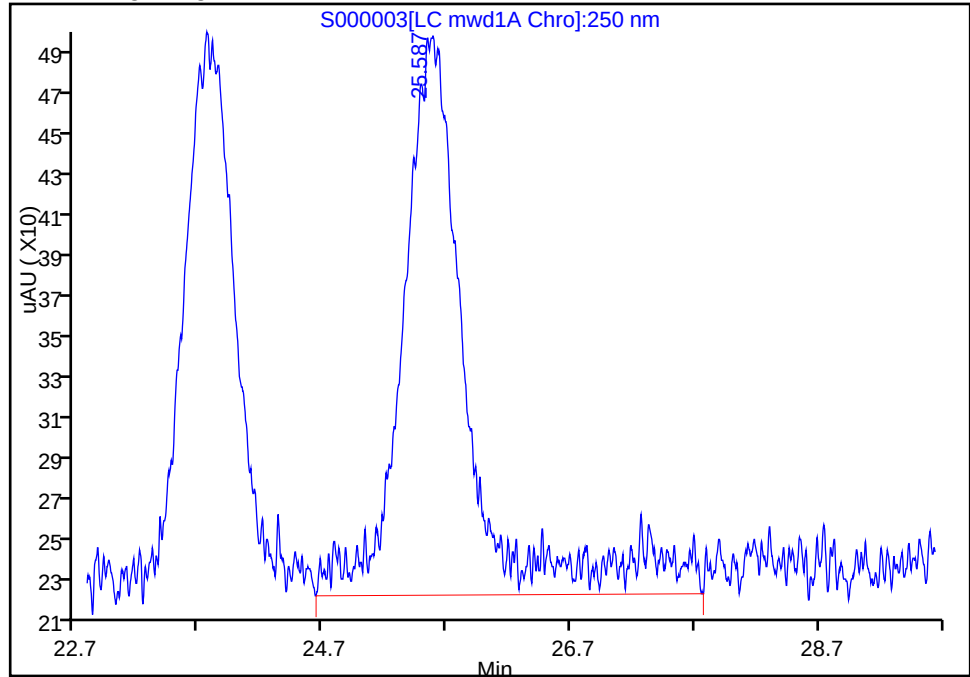
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

8 m-Nitrotoluene, Signal: 1, Type: quant, RT: 25.56, Det: LC mwd1A

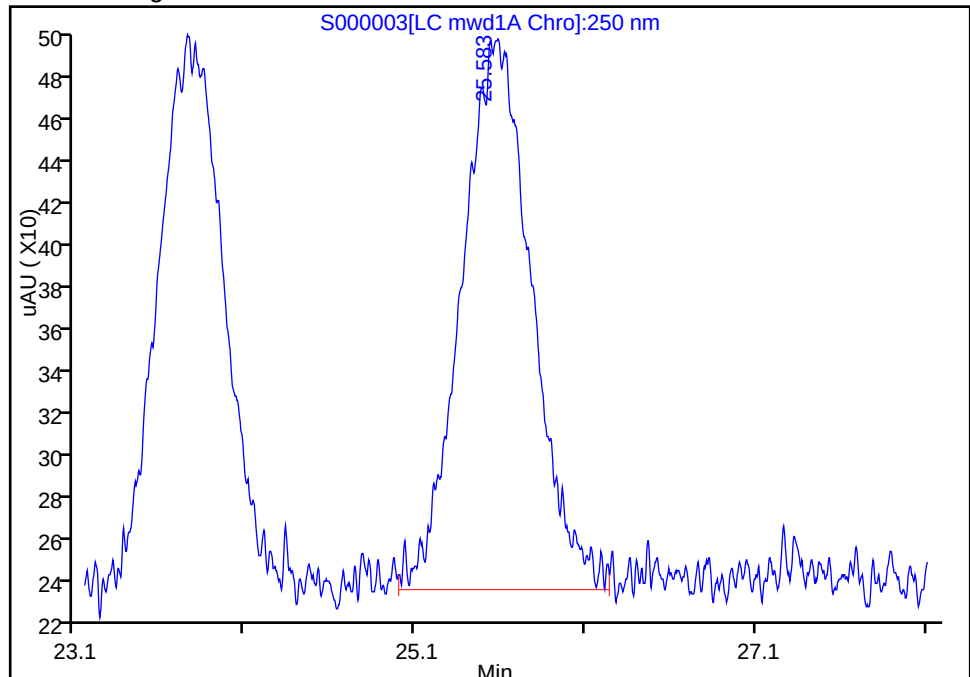
RT: 25.59
Response: 268
Amount: 5.000000

Processing Integration Results



RT: 25.58
Response: 259
Amount: 4.979608

Manual Integration Results



Reviewer: shafern, 19-Apr-2013 11:37:41

Audit Action: Manually Integrated

Audit Reason: Baseline

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000004.D
 Lims ID: STD02 Client ID:
 Inject. Date: 19-Apr-2013 11:29:07 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 2
 Sample ID: 320-0003998-003
 Misc. Info.:
 Operator: RN Instrument ID: LC10
 Injection Vol: 500.0 ul ALS Bottle#: 12
 Lims Batch ID: 14686 Lims Sample ID: 3
 Sublist: chrom-8330_LC10*sub1
 Method: \\SACChrom\ChromData\LC10\20130419-3998.b\8330_LC10.m
 Last Update: 22-Apr-2013 09:45:25 Calib Date: 19-Apr-2013 15:51:00
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000010.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
 Process Host: XAWRK024

First Level Reviewer: shafern

Date: 19-Apr-2013 13:16:16

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

11 HMX
 1 5.177 5.177 0.0 1339 10.7
 19 RDX
 1 7.400 7.397 0.003 1052 11.6
 3 Ethylene glycol dinitrate
 2 8.064 8.061 0.003 1199 10.8
 10 2,4,6-Trinitrophenol M
 2 8.494 8.471 0.023 3456 26.1 M
 1 8.504 8.471 0.033 2167 23.5
 27 1,3,5-Trinitrobenzene
 1 9.644 9.644 0.0 1760 10.8
 24 1,3-Dinitrobenzene
 1 12.214 12.211 0.003 1762 10.9
 9 3,5-Dinitroaniline
 1 12.950 12.941 0.009 1130 10.9
 20 Tetryl
 1 13.230 13.221 0.009 1007 10.6
 5 Nitrobenzene
 1 13.897 13.884 0.013 764 10.7
 7 Nitroglycerin
 2 14.430 14.418 0.012 768 10.9
 25 2,4,6-Trinitrotoluene
 1 15.287 15.291 -0.004 1026 10.8
 26 4-Amino-2,6-dinitrotoluene
 1 15.850 15.838 0.012 843 10.8
 \$ 30 3,4-Dinitrotoluene
 1 16.284 16.271 0.013 591 10.3
 2 16.287 16.274 0.013 1055 9.85

Data File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000004.D

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
6 2-Amino-4,6-dinitrotoluene						
1	16.817	16.801	0.016	909	10.8	
12 2,6-Dinitrotoluene						
1	18.304	18.308	-0.004	652	10.9	
23 2,4-Dinitrotoluene						
1	18.947	18.948	-0.001	1068	10.8	
16 o-Nitrotoluene						
1	22.157	22.151	0.006	466	11.0	
15 p-Nitrotoluene						
1	23.737	23.768	-0.031	573	10.8	
8 m-Nitrotoluene						
1	25.587	25.564	0.023	557	10.7	
21 PETN						
2	27.490	27.491	-0.001	458	11.6	

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 22-Apr-2013 09:45:26

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

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000004.D

Injection Date: 19-Apr-2013 11:29:07

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 14686

Lims Sample ID: 3

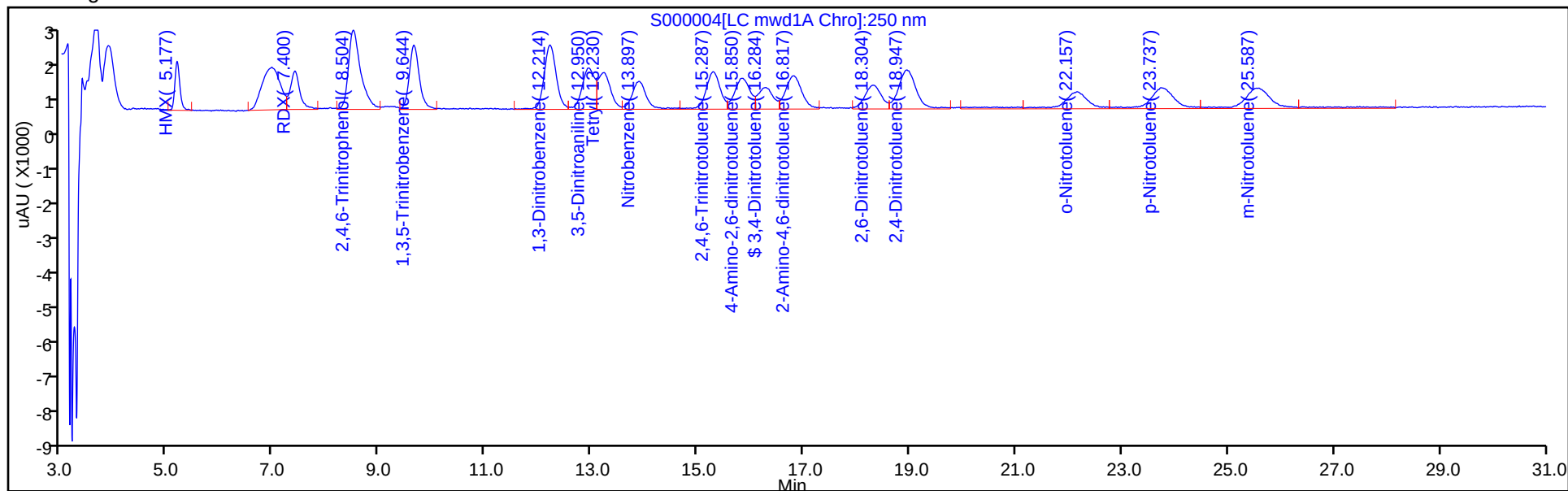
Operator ID: RN

Injection Vol: 500.0 ul

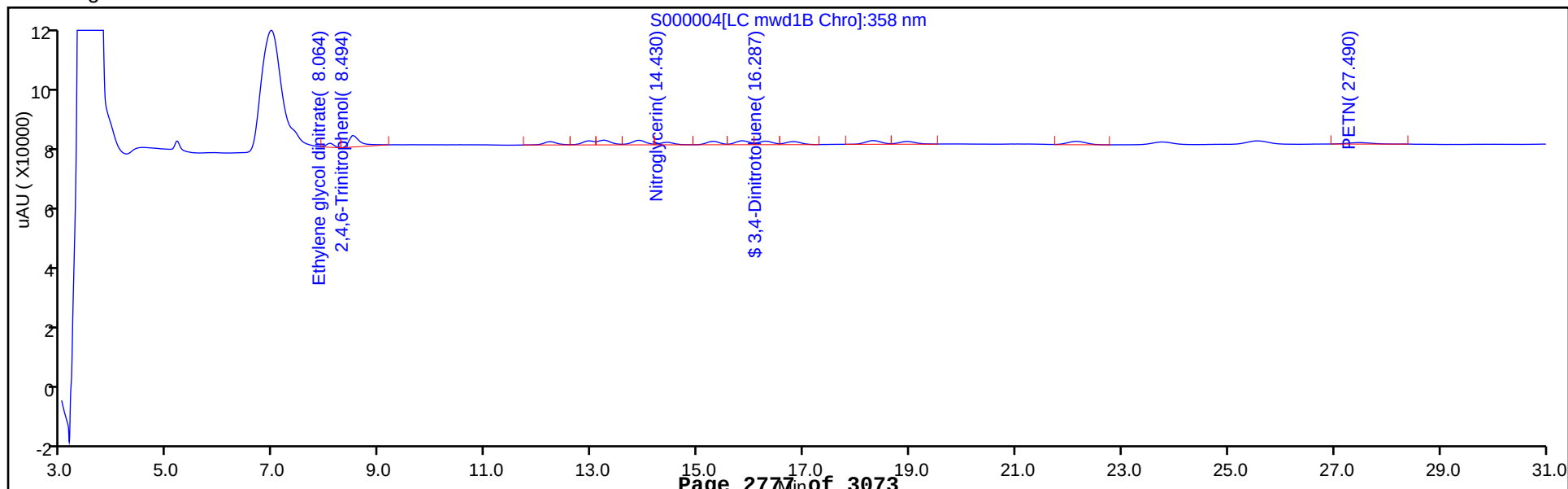
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



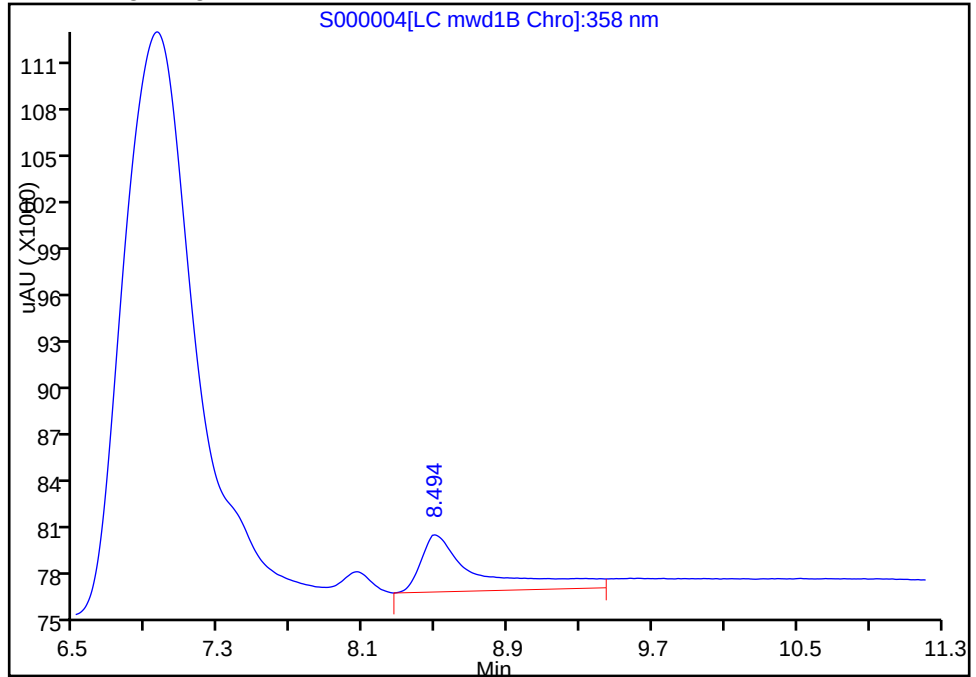
TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000004.D
Injection Date: 19-Apr-2013 11:29:07 Limit Group: LC 8330B ICAL
Client ID: Instrument ID: LC10
Lims Batch ID: 14686 Lims Sample ID: 3
Operator ID: RN Injection Vol: 500.0 ul
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm

10 2,4,6-Trinitrophenol, Signal: 1, Type: quant, RT: 8.47, Det: LC mwd1B

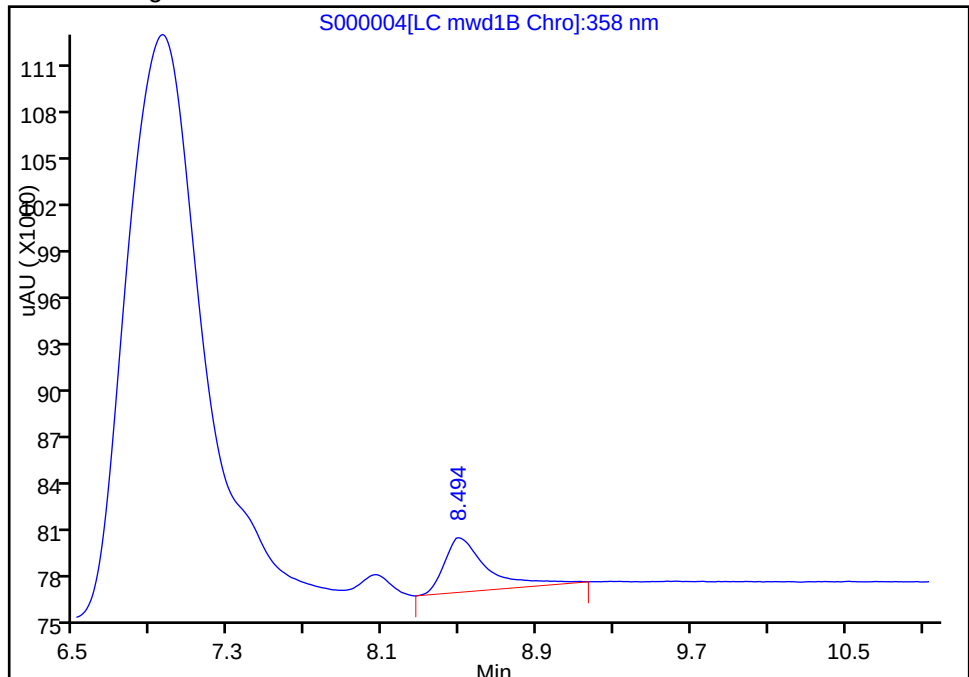
RT: 8.49
Response: 3616
Amount: 18.956750

Processing Integration Results



RT: 8.49
Response: 3456
Amount: 26.131535

Manual Integration Results



Reviewer: shafern, 19-Apr-2013 13:16:16
Audit Action: Manually Integrated
Audit Reason: Baseline

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000005.D
 Lims ID: STD03 Client ID:
 Inject. Date: 19-Apr-2013 12:12:47 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 3
 Sample ID: 320-0003998-004
 Misc. Info.:
 Operator: RN Instrument ID: LC10
 Injection Vol: 500.0 ul ALS Bottle#: 13
 Lims Batch ID: 14686 Lims Sample ID: 4
 Sublist: chrom-8330_LC10*sub1
 Method: \\SACChrom\ChromData\LC10\20130419-3998.b\8330_LC10.m
 Last Update: 22-Apr-2013 09:45:26 Calib Date: 19-Apr-2013 15:51:00
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000010.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
 Process Host: XAWRK024

First Level Reviewer: shafern

Date: 19-Apr-2013 15:25:33

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

11 HMX						
1	5.181	5.177	0.004	2588	20.6	
19 RDX						
1	7.395	7.397	-0.002	1918	21.1	
3 Ethylene glycol dinitrate						
2	8.055	8.061	-0.006	2248	20.3	
10 2,4,6-Trinitrophenol						
2	8.481	8.471	0.010	7299	55.2	M
1	8.485	8.471	0.014	4857	52.7	M
27 1,3,5-Trinitrobenzene						
1	9.645	9.644	0.001	3382	20.7	
24 1,3-Dinitrobenzene						
1	12.208	12.211	-0.003	3373	20.8	
9 3,5-Dinitroaniline						
1	12.931	12.941	-0.010	2153	20.8	
20 Tetryl						
1	13.211	13.221	-0.010	1900	20.1	
5 Nitrobenzene						
1	13.871	13.884	-0.013	1464	20.5	
7 Nitroglycerin						
2	14.415	14.418	-0.003	1577	22.4	
25 2,4,6-Trinitrotoluene						
1	15.291	15.291	0.0	1940	20.3	
26 4-Amino-2,6-dinitrotoluene						
1	15.838	15.838	0.0	1601	20.4	
\$ 30 3,4-Dinitrotoluene						
1	16.275	16.271	0.004	1129	19.7	
2	16.275	16.274	0.001	2197	20.5	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
6 2-Amino-4,6-dinitrotoluene						
1	16.791	16.801	-0.010	1719	20.5	
12 2,6-Dinitrotoluene						
1	18.305	18.308	-0.003	1227	20.5	
23 2,4-Dinitrotoluene						
1	18.941	18.948	-0.007	2017	20.4	
16 o-Nitrotoluene						
1	22.171	22.151	0.020	857	20.2	
15 p-Nitrotoluene						
1	23.768	23.768	0.0	1080	20.3	
8 m-Nitrotoluene						
1	25.541	25.564	-0.023	1064	20.5	
21 PETN						
2	27.475	27.491	-0.016	772	19.6	

QC Flag Legend

Review Flags

M - Manually Integrated

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000005.D

Injection Date: 19-Apr-2013 12:12:47

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 14686

Lims Sample ID: 4

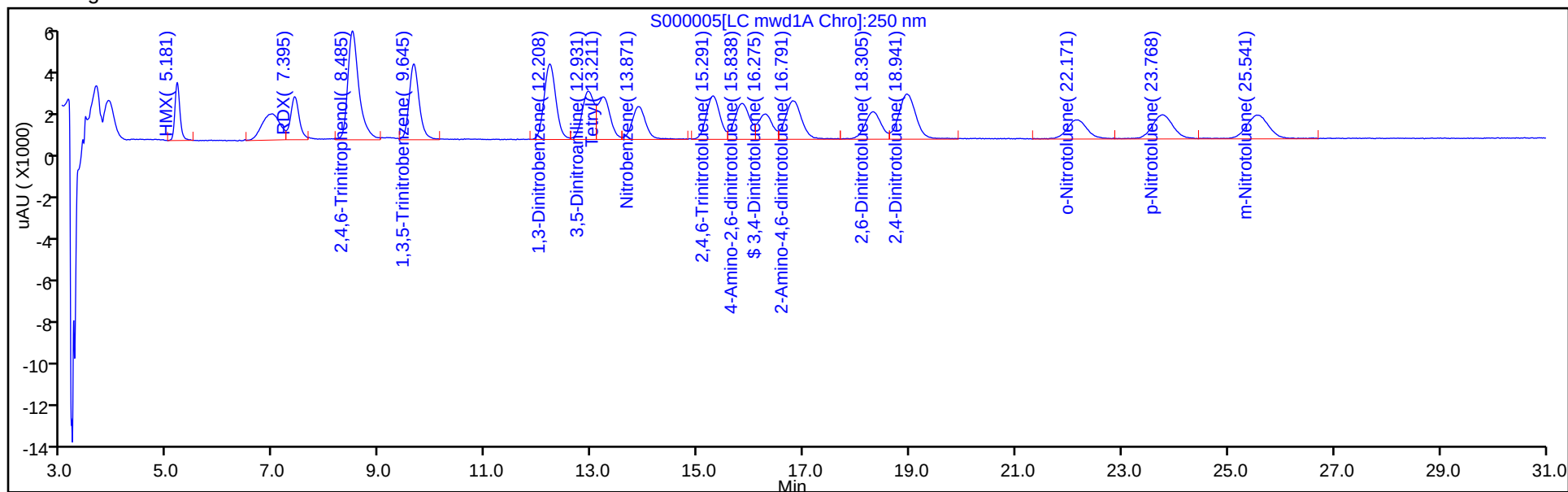
Operator ID: RN

Injection Vol: 500.0 ul

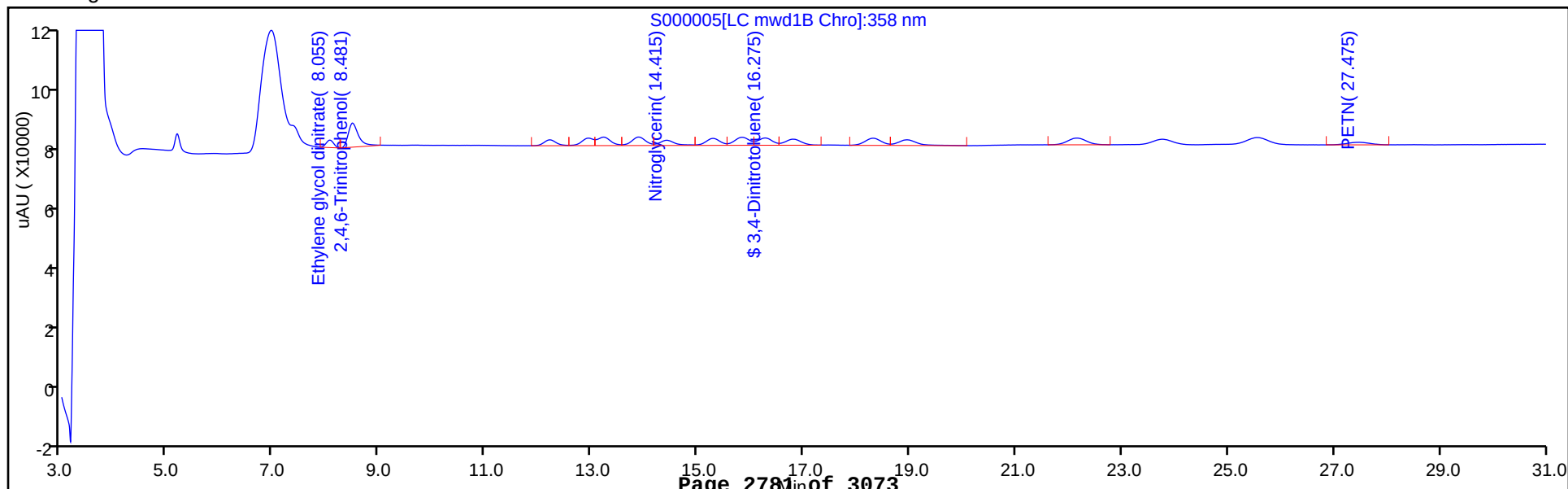
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000005.D

Injection Date: 19-Apr-2013 12:12:47

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 14686

Lims Sample ID: 4

Operator ID: RN

Injection Vol: 500.0 ul

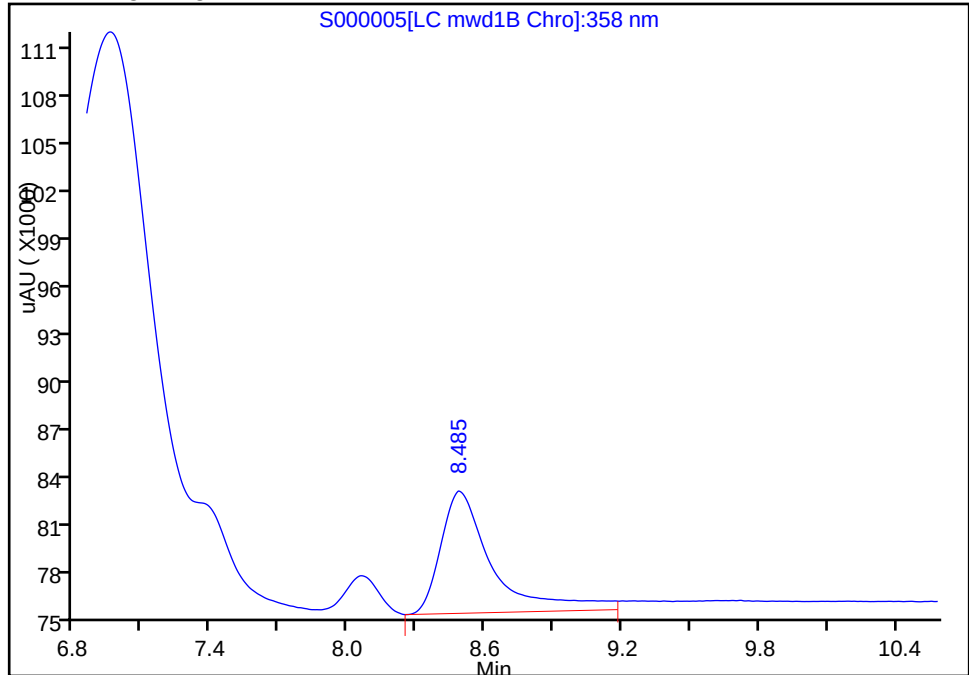
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

10 2,4,6-Trinitrophenol, Signal: 1, Type: quant, RT: 8.47, Det: LC mwd1B

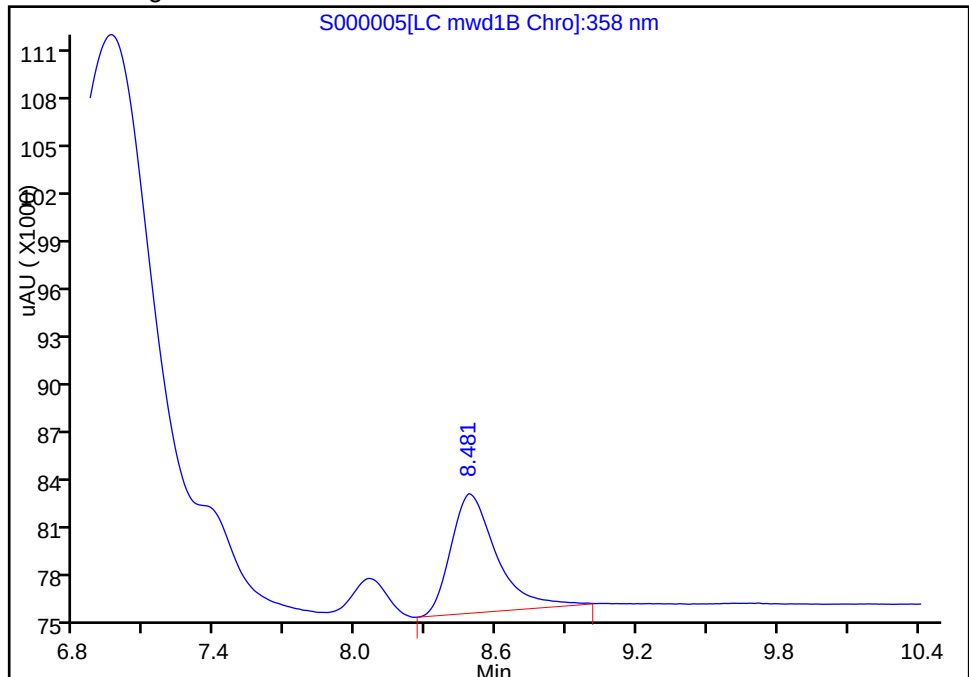
RT: 8.48
Response: 7465
Amount: 42.836649

Processing Integration Results



RT: 8.48
Response: 7299
Amount: 55.189257

Manual Integration Results



Reviewer: shafern, 19-Apr-2013 15:25:33

Audit Action: Manually Integrated

Audit Reason: Baseline

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000006.D
 Lims ID: STD04 Client ID:
 Inject. Date: 19-Apr-2013 12:56:26 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 4
 Sample ID: 320-0003998-005
 Misc. Info.:
 Operator: RN Instrument ID: LC10
 Injection Vol: 500.0 ul ALS Bottle#: 14
 Lims Batch ID: 14686 Lims Sample ID: 5
 Sublist: chrom-8330_LC10*sub1
 Method: \\SACChrom\ChromData\LC10\20130419-3998.b\8330_LC10.m
 Last Update: 22-Apr-2013 09:45:27 Calib Date: 19-Apr-2013 15:51:00
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000010.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
 Process Host: XAWRK024

First Level Reviewer: shafern

Date: 19-Apr-2013 15:26:29

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	5.177	5.177	0.0	6372	50.8	
19 RDX						
1	7.397	7.397	0.0	4555	50.1	
3 Ethylene glycol dinitrate						
2	8.060	8.061	-0.001	5509	49.8	
10 2,4,6-Trinitrophenol						
2	8.480	8.471	0.009	14238	107.7	M
1	8.477	8.471	0.006	9778	106.1	M
27 1,3,5-Trinitrobenzene						
1	9.640	9.644	-0.004	8339	51.0	
24 1,3-Dinitrobenzene						
1	12.207	12.211	-0.004	8331	51.3	
9 3,5-Dinitroaniline						
1	12.934	12.941	-0.007	5327	51.4	
20 Tetryl						
1	13.217	13.221	-0.004	4715	49.8	
5 Nitrobenzene						
1	13.880	13.884	-0.004	3677	51.5	
7 Nitroglycerin						
2	14.410	14.418	-0.008	3403	48.4	
25 2,4,6-Trinitrotoluene						
1	15.284	15.291	-0.007	4769	50.0	
26 4-Amino-2,6-dinitrotoluene						
1	15.834	15.838	-0.004	3945	50.3	
\$ 30 3,4-Dinitrotoluene						
1	16.267	16.271	-0.004	2986	52.2	
2	16.267	16.274	-0.007	5656	52.8	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
6 2-Amino-4,6-dinitrotoluene						
1	16.794	16.801	-0.007	4254	50.6	
12 2,6-Dinitrotoluene						
1	18.290	18.308	-0.018	3005	50.2	
23 2,4-Dinitrotoluene						
1	18.934	18.948	-0.014	4982	50.4	
16 o-Nitrotoluene						
1	22.137	22.151	-0.014	2128	50.1	
15 p-Nitrotoluene						
1	23.760	23.768	-0.008	2649	49.9	
8 m-Nitrotoluene						
1	25.564	25.564	0.0	2613	50.2	M
21 PETN						
2	27.477	27.491	-0.014	1741	44.2	

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 22-Apr-2013 09:45:28

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

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000006.D

Injection Date: 19-Apr-2013 12:56:26

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 14686

Lims Sample ID: 5

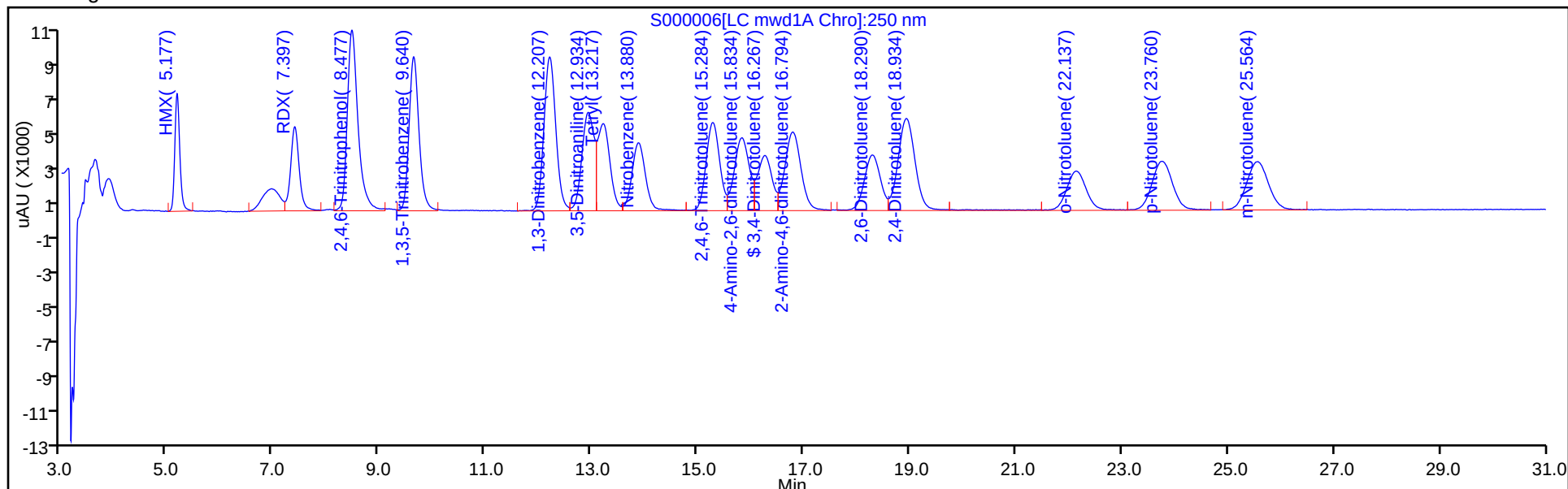
Operator ID: RN

Injection Vol: 500.0 ul

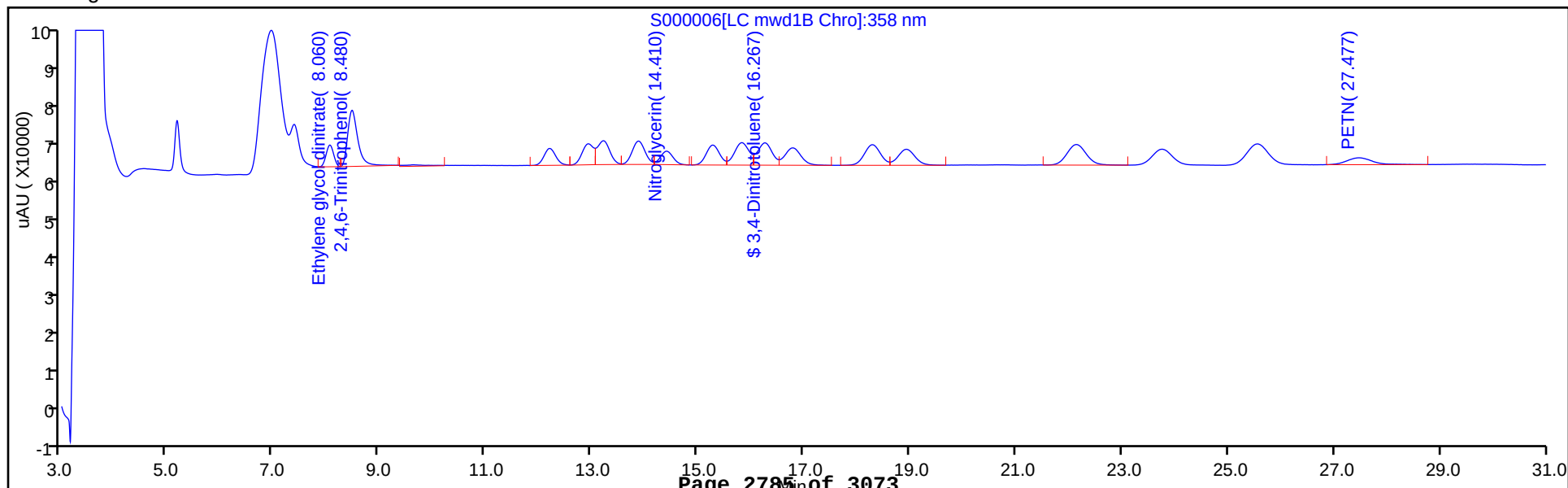
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000006.D

Injection Date: 19-Apr-2013 12:56:26

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 14686

Lims Sample ID: 5

Operator ID: RN

Injection Vol: 500.0 ul

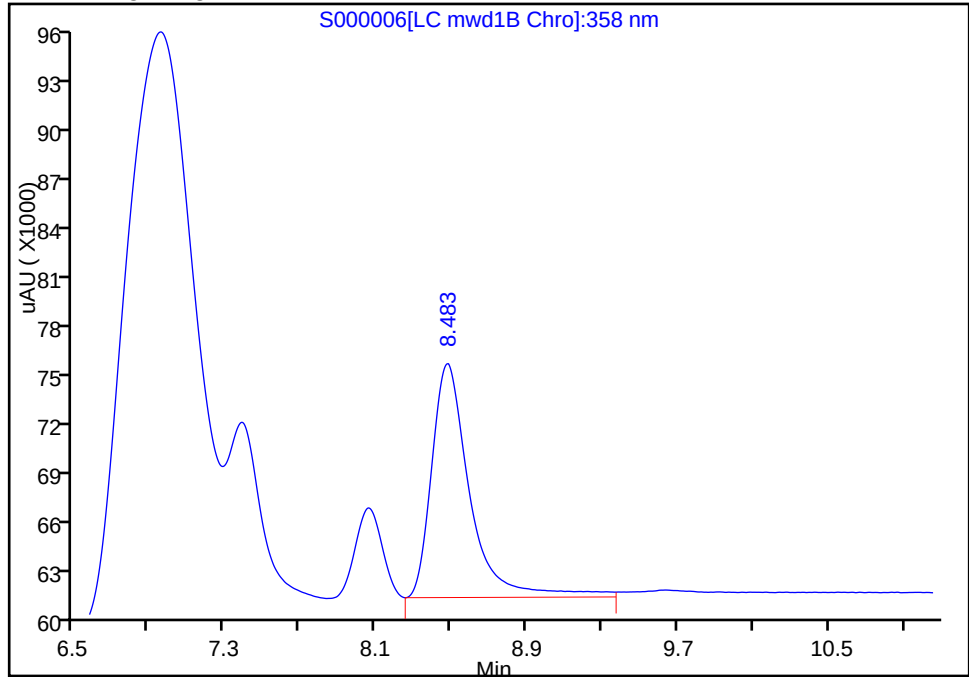
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

10 2,4,6-Trinitrophenol, Signal: 1, Type: quant, RT: 8.47, Det: LC mwd1B

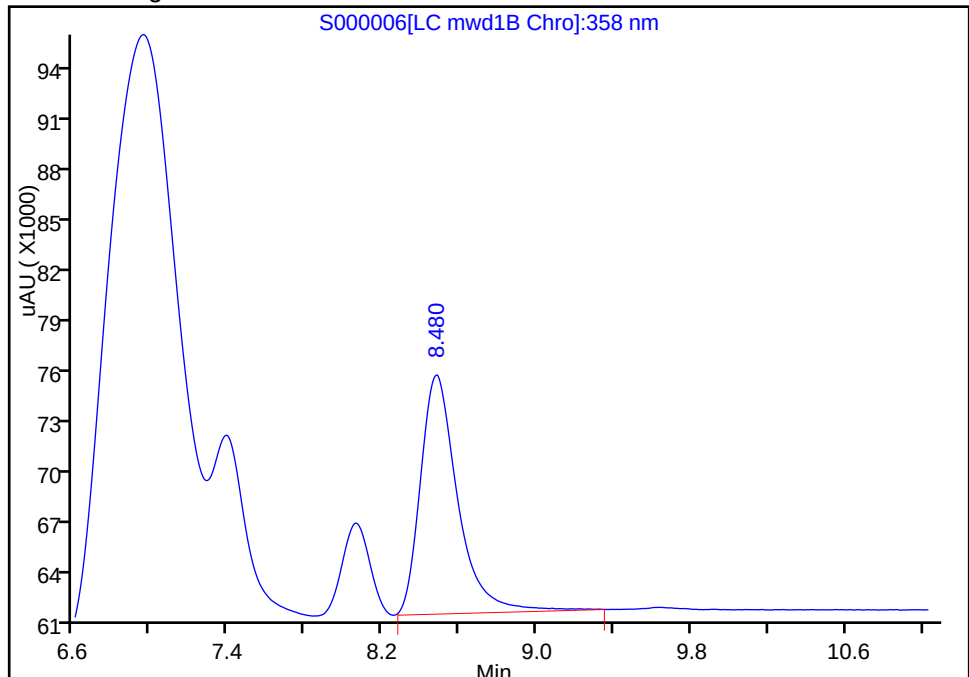
RT: 8.48
Response: 14294
Amount: 86.313819

Processing Integration Results



RT: 8.48
Response: 14238
Amount: 107.6565

Manual Integration Results



Reviewer: shafern, 19-Apr-2013 15:26:29

Audit Action: Manually Integrated

Audit Reason: Baseline

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000006.D

Injection Date: 19-Apr-2013 12:56:26

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 14686

Lims Sample ID: 5

Operator ID: RN

Injection Vol: 500.0 ul

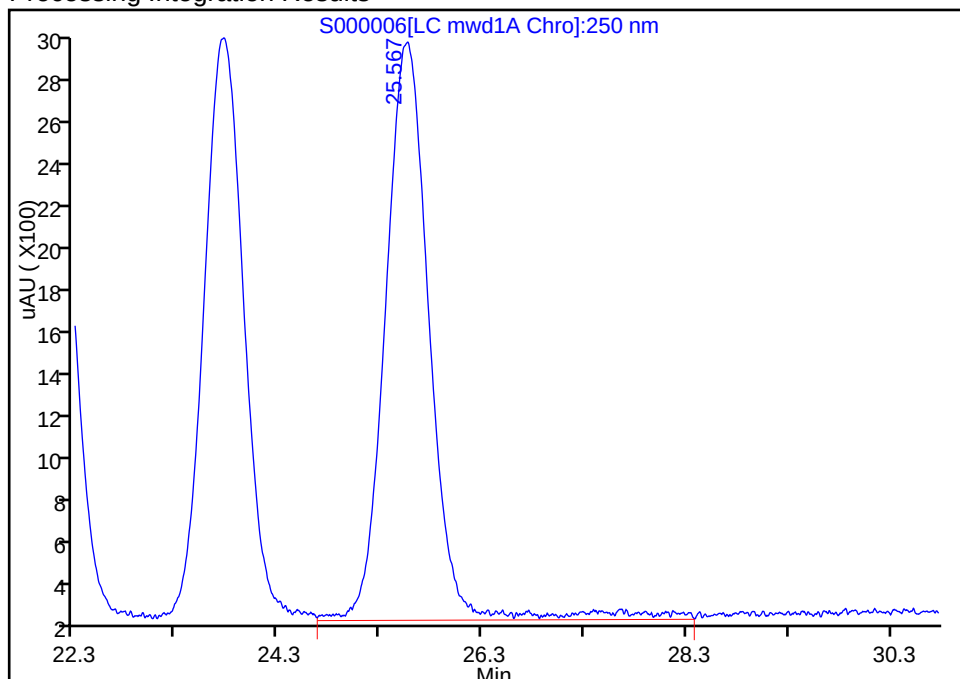
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

8 m-Nitrotoluene, Signal: 1, Type: quant, RT: 25.56, Det: LC mwd1A

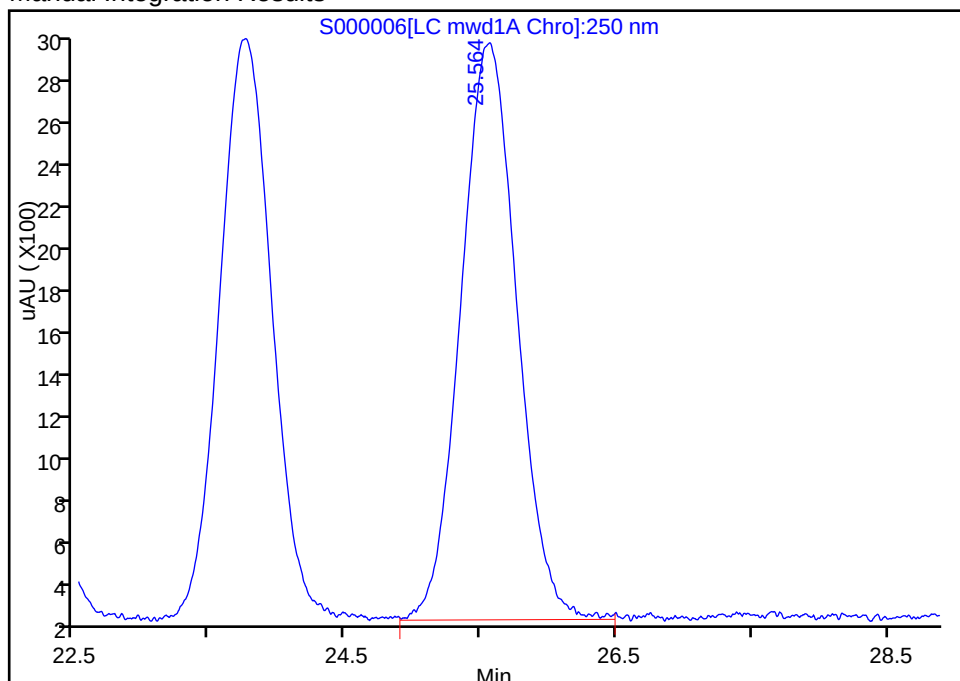
RT: 25.57
Response: 2626
Amount: 49.263671

Processing Integration Results



RT: 25.56
Response: 2613
Amount: 50.238286

Manual Integration Results



Reviewer: shafern, 19-Apr-2013 15:26:29

Audit Action: Manually Integrated

Audit Reason: Baseline

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000007.D
 Lims ID: STD05 Client ID:
 Inject. Date: 19-Apr-2013 13:40:02 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 5
 Sample ID: 320-0003998-006
 Misc. Info.:
 Operator: RN Instrument ID: LC10
 Injection Vol: 500.0 ul ALS Bottle#: 15
 Lims Batch ID: 14686 Lims Sample ID: 6
 Sublist: chrom-8330_LC10*sub1
 Method: \\SACChrom\ChromData\LC10\20130419-3998.b\8330_LC10.m
 Last Update: 22-Apr-2013 09:45:28 Calib Date: 19-Apr-2013 15:51:00
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000010.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
 Process Host: XAWRK024

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	5.177	5.177	0.0	12694	101.2	
19 RDX						
1	7.397	7.397	0.0	8868	97.5	
3 Ethylene glycol dinitrate						
2	8.061	8.061	0.0	11175	101.1	
10 2,4,6-Trinitrophenol						
2	8.471	8.471	0.0	26918	203.5	
1	8.471	8.471	0.0	18680	202.8	
27 1,3,5-Trinitrobenzene						
1	9.644	9.644	0.0	16560	101.3	
24 1,3-Dinitrobenzene						
1	12.211	12.211	0.0	16482	101.6	
9 3,5-Dinitroaniline						
1	12.941	12.941	0.0	10501	101.3	
20 Tetryl						
1	13.221	13.221	0.0	9396	99.3	
5 Nitrobenzene						
1	13.884	13.884	0.0	7254	101.6	
7 Nitroglycerin						
2	14.418	14.418	0.0	6756	96.1	
25 2,4,6-Trinitrotoluene						
1	15.291	15.291	0.0	9517	99.8	
26 4-Amino-2,6-dinitrotoluene						
1	15.838	15.838	0.0	7852	100.2	
\$ 30 3,4-Dinitrotoluene						
1	16.271	16.271	0.0	5557	97.1	
2	16.274	16.274	0.0	10567	98.6	
6 2-Amino-4,6-dinitrotoluene						
1	16.801	16.801	0.0	8432	100.4	

Data File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000007.D

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
12 2,6-Dinitrotoluene						
1	18.308	18.308	0.0	5967	99.7	
23 2,4-Dinitrotoluene						
1	18.948	18.948	0.0	9896	100.2	
16 o-Nitrotoluene						
1	22.151	22.151	0.0	4209	99.2	
15 p-Nitrotoluene						
1	23.768	23.768	0.0	5289	99.6	
8 m-Nitrotoluene						
1	25.564	25.564	0.0	5210	100.2	
21 PETN						
2	27.491	27.491	0.0	3689	93.7	

Report Date: 22-Apr-2013 09:45:28

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

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000007.D

Injection Date: 19-Apr-2013 13:40:02

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 14686

Lims Sample ID: 6

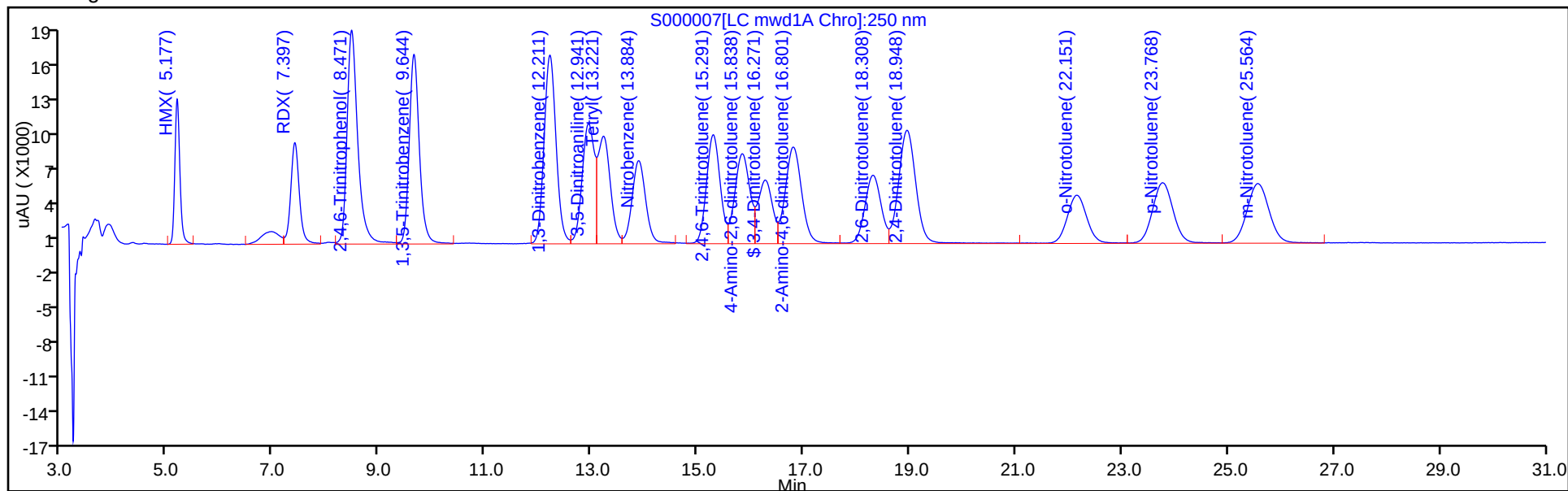
Operator ID: RN

Injection Vol: 500.0 ul

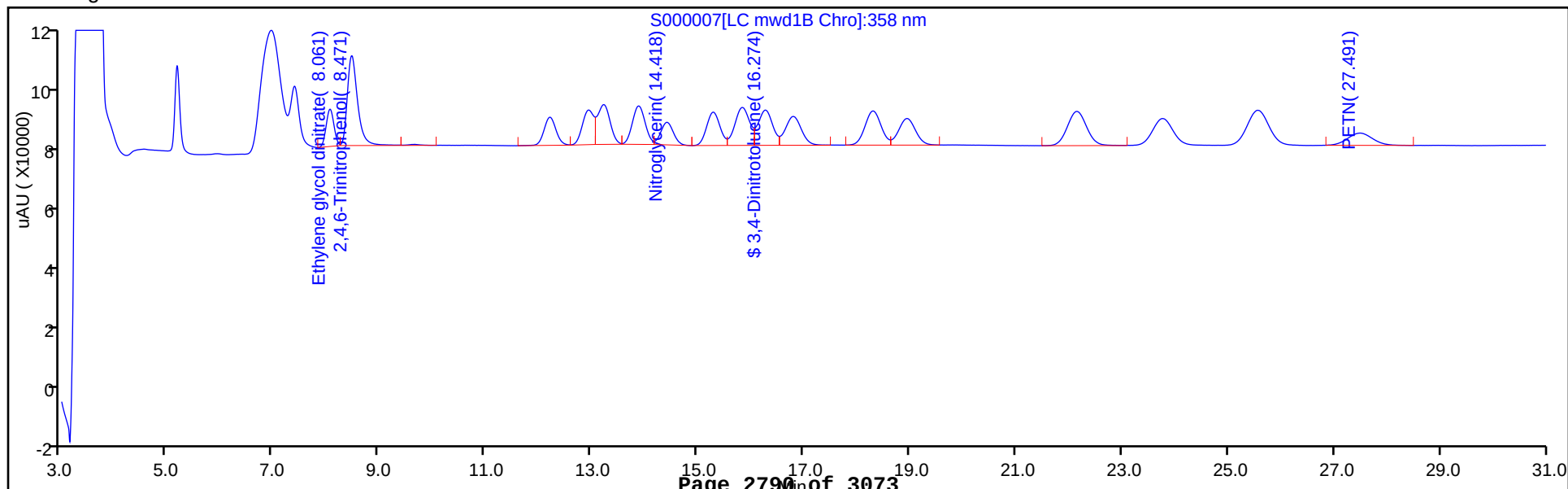
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000008.D
 Lims ID: STD06 Client ID:
 Inject. Date: 19-Apr-2013 14:23:40 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 6
 Sample ID: 320-0003998-007
 Misc. Info.:
 Operator: RN Instrument ID: LC10
 Injection Vol: 500.0 ul ALS Bottle#: 16
 Lims Batch ID: 14686 Lims Sample ID: 7
 Sublist: chrom-8330_LC10*sub1
 Method: \\SACChrom\ChromData\LC10\20130419-3998.b\8330_LC10.m
 Last Update: 22-Apr-2013 09:45:29 Calib Date: 19-Apr-2013 15:51:00
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000010.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
 Process Host: XAWRK024

First Level Reviewer: shafern

Date: 19-Apr-2013 15:27:19

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	5.176	5.177	-0.001	25267	201.4	
19 RDX						
1	7.393	7.397	-0.004	17241	189.5	
3 Ethylene glycol dinitrate						
2	8.059	8.061	-0.002	22759	205.9	
10 2,4,6-Trinitrophenol						M
2	8.433	8.471	-0.038	65156	492.7	M
1	8.433	8.471	-0.038	44678	485.0	
27 1,3,5-Trinitrobenzene						
1	9.643	9.644	-0.001	32794	200.5	
24 1,3-Dinitrobenzene						
1	12.206	12.211	-0.005	32542	200.6	
9 3,5-Dinitroaniline						
1	12.933	12.941	-0.008	20758	200.3	
20 Tetryl						
1	13.223	13.221	0.002	18775	198.4	
5 Nitrobenzene						
1	13.886	13.884	0.002	14291	200.2	
7 Nitroglycerin						
2	14.423	14.418	0.005	13446	191.2	
25 2,4,6-Trinitrotoluene						
1	15.293	15.291	0.002	19008	199.3	
26 4-Amino-2,6-dinitrotoluene						
1	15.839	15.838	0.001	15622	199.3	
\$ 30 3,4-Dinitrotoluene						
1	16.279	16.271	0.008	10988	192.0	
2	16.279	16.274	0.005	20909	195.1	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
6 2-Amino-4,6-dinitrotoluene						
1	16.799	16.801	-0.002	16763	199.5	
12 2,6-Dinitrotoluene						
1	18.309	18.308	0.001	11907	199.0	
23 2,4-Dinitrotoluene						
1	18.949	18.948	0.001	19698	199.4	
16 o-Nitrotoluene						
1	22.163	22.151	0.012	8331	196.3	
15 p-Nitrotoluene						
1	23.783	23.768	0.015	10494	197.6	
8 m-Nitrotoluene						
1	25.583	25.564	0.019	10365	199.3	
21 PETN						
2	27.509	27.491	0.018	7255	184.4	

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 22-Apr-2013 09:45:29

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

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000008.D

Injection Date: 19-Apr-2013 14:23:40

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 14686

Lims Sample ID: 7

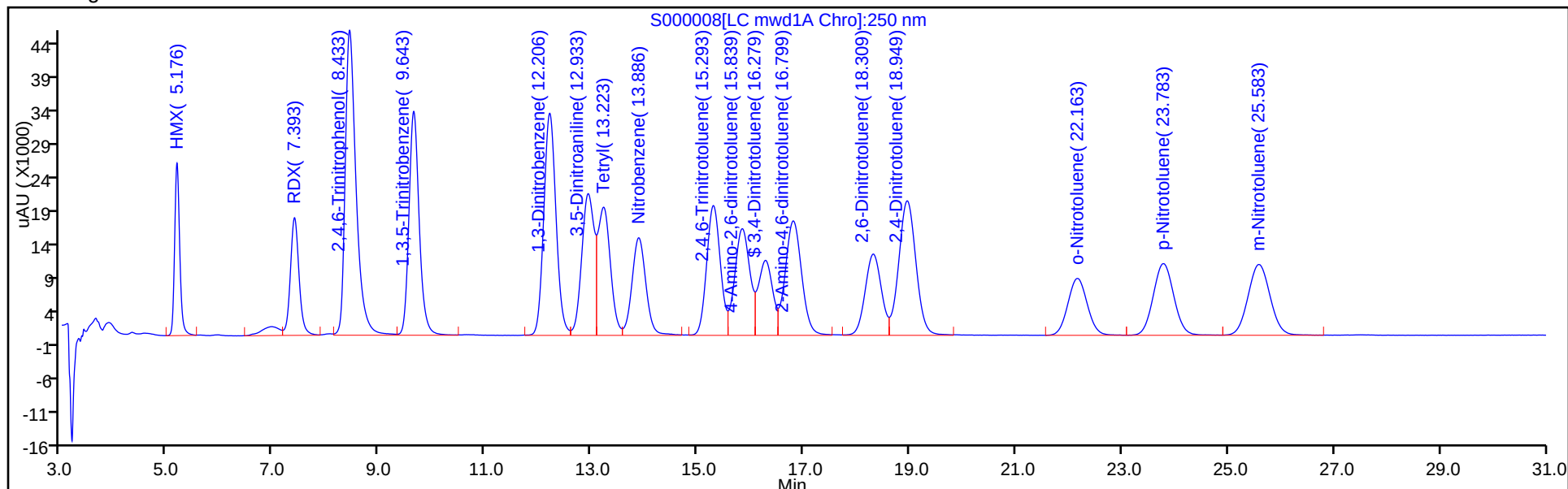
Operator ID: RN

Injection Vol: 500.0 ul

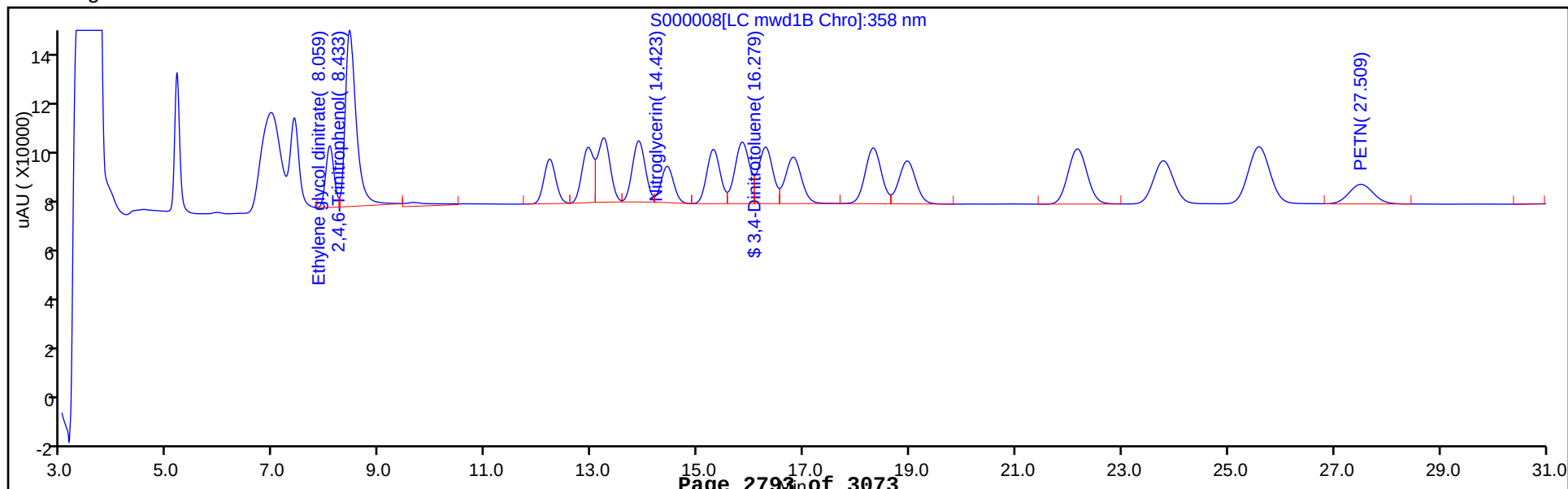
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000008.D

Injection Date: 19-Apr-2013 14:23:40

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 14686

Lims Sample ID: 7

Operator ID: RN

Injection Vol: 500.0 ul

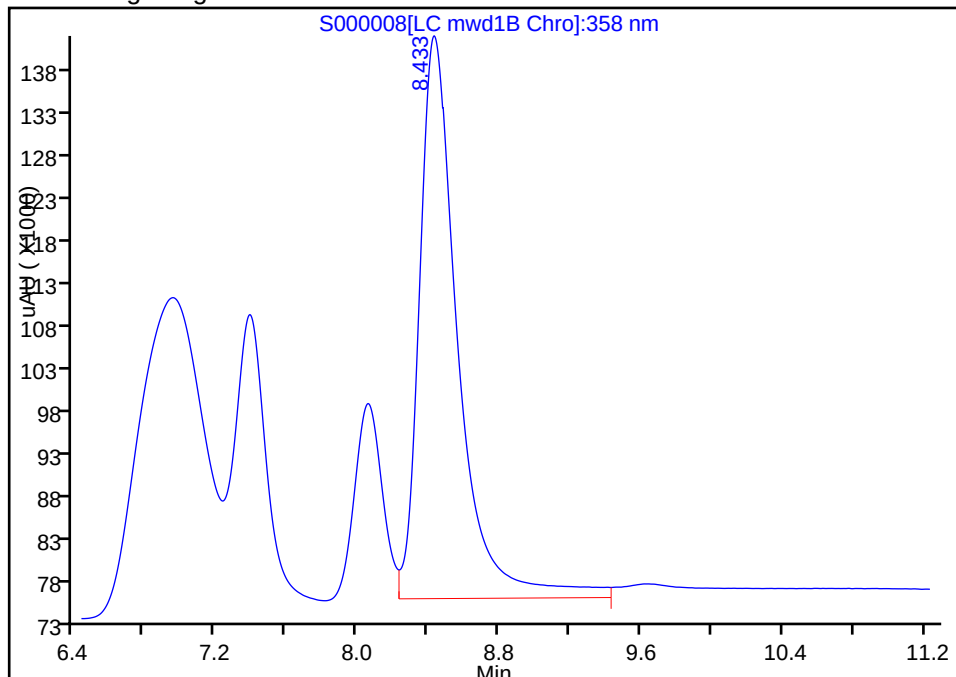
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

10 2,4,6-Trinitrophenol, Signal: 1, Type: quant, RT: 8.47, Det: LC mwd1B

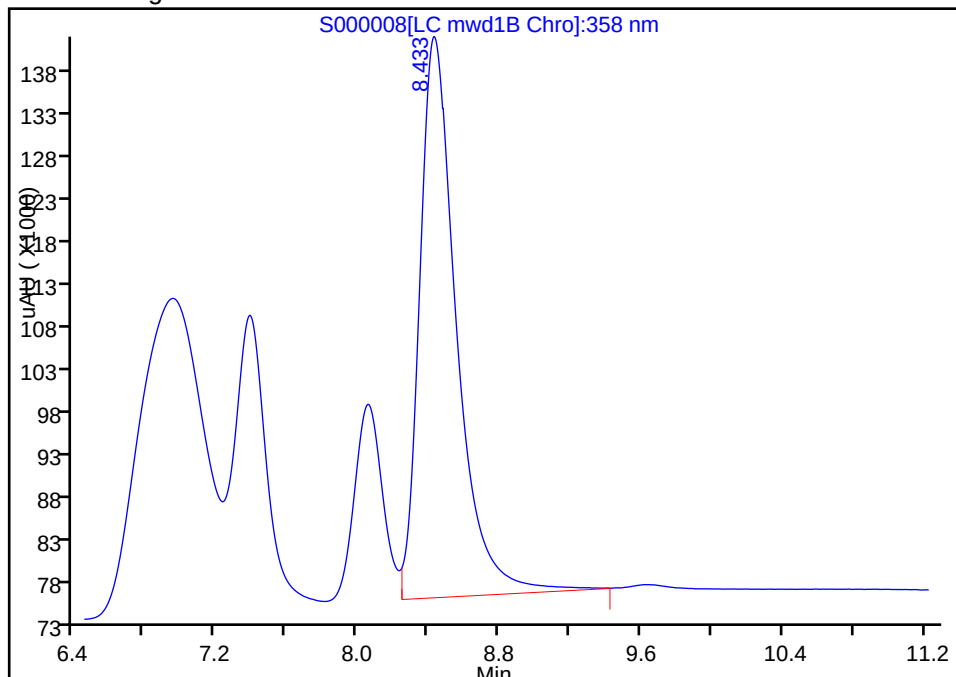
RT: 8.43
Response: 65336
Amount: 412.1979

Processing Integration Results



RT: 8.43
Response: 65156
Amount: 492.6581

Manual Integration Results



Reviewer: shafern, 19-Apr-2013 15:27:19

Audit Action: Manually Integrated

Audit Reason: Baseline

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000009.D
 Lims ID: STD07 Client ID:
 Inject. Date: 19-Apr-2013 15:07:19 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 7
 Sample ID: 320-0003998-008
 Misc. Info.:
 Operator: RN Instrument ID: LC10
 Injection Vol: 500.0 ul ALS Bottle#: 17
 Lims Batch ID: 14686 Lims Sample ID: 8
 Sublist: chrom-8330_LC10*sub1
 Method: \\SACChrom\ChromData\LC10\20130419-3998.b\8330_LC10.m
 Last Update: 22-Apr-2013 09:45:30 Calib Date: 19-Apr-2013 15:51:00
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000010.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
 Process Host: XAWRK024

First Level Reviewer: shafern

Date: 19-Apr-2013 16:36:11

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	5.172	5.177	-0.005	61566	490.7	
19 RDX						
1	7.389	7.397	-0.008	40090	440.6	
3 Ethylene glycol dinitrate						
2	8.055	8.061	-0.006	54185	490.3	
10 2,4,6-Trinitrophenol						M
2	8.402	8.471	-0.069	121095	915.6	M
1	8.402	8.471	-0.069	82784	898.6	
27 1,3,5-Trinitrobenzene						
1	9.642	9.644	-0.002	78943	482.7	
24 1,3-Dinitrobenzene						
1	12.209	12.211	-0.002	77722	479.1	
9 3,5-Dinitroaniline						
1	12.939	12.941	-0.002	49661	479.2	
20 Tetryl						
1	13.229	13.221	0.008	46816	494.7	
5 Nitrobenzene						
1	13.885	13.884	0.001	34191	479.0	
7 Nitroglycerin						
2	14.429	14.418	0.011	32582	463.4	
25 2,4,6-Trinitrotoluene						
1	15.302	15.291	0.011	46703	489.6	
26 4-Amino-2,6-dinitrotoluene						
1	15.852	15.838	0.014	38004	485.0	
\$ 30 3,4-Dinitrotoluene						
1	16.282	16.271	0.011	16751	292.8	
2	16.285	16.274	0.011	31557	294.5	

Data File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000009.D

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
6 2-Amino-4,6-dinitrotoluene						
1	16.815	16.801	0.014	40608	483.3	
12 2,6-Dinitrotoluene						
1	18.329	18.308	0.021	29008	484.8	
23 2,4-Dinitrotoluene						
1	18.972	18.948	0.024	48115	487.0	
16 o-Nitrotoluene						
1	22.179	22.151	0.028	20494	482.8	
15 p-Nitrotoluene						
1	23.802	23.768	0.034	25862	487.0	
8 m-Nitrotoluene						
1	25.605	25.564	0.041	25555	491.3	
21 PETN						
2	27.542	27.491	0.051	17977	456.9	

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 22-Apr-2013 09:45:30

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

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000009.D

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

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 14686

Lims Sample ID: 8

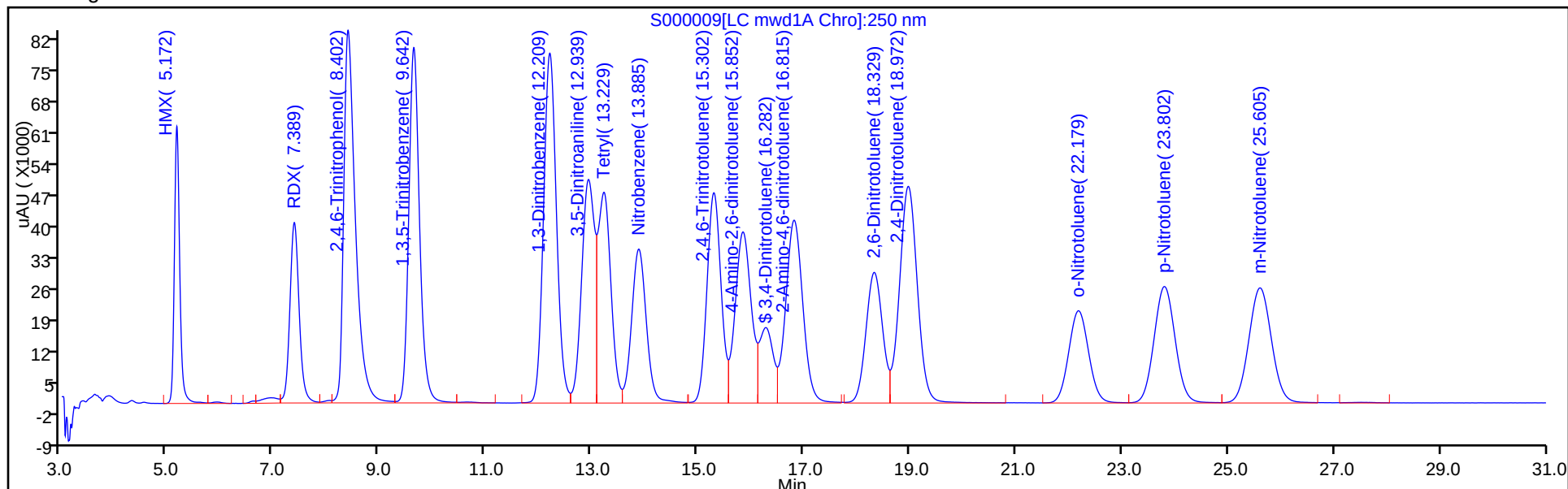
Operator ID: RN

Injection Vol: 500.0 ul

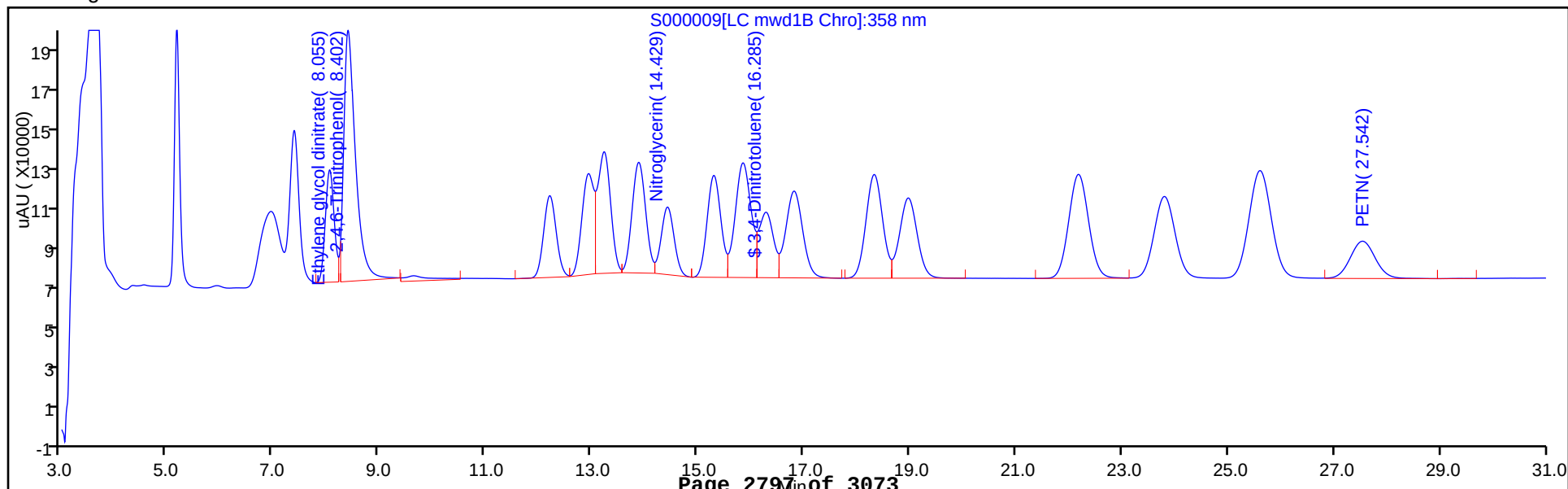
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000009.D

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

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 14686

Lims Sample ID: 8

Operator ID: RN

Injection Vol: 500.0 ul

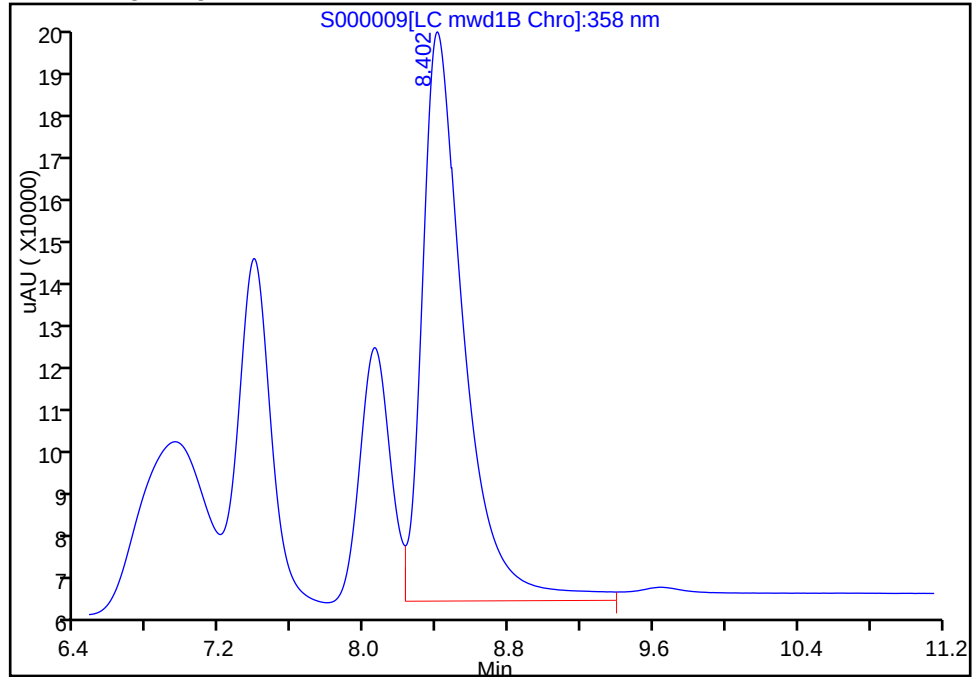
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

10 2,4,6-Trinitrophenol, Signal: 1, Type: quant, RT: 8.47, Det: LC mwd1B

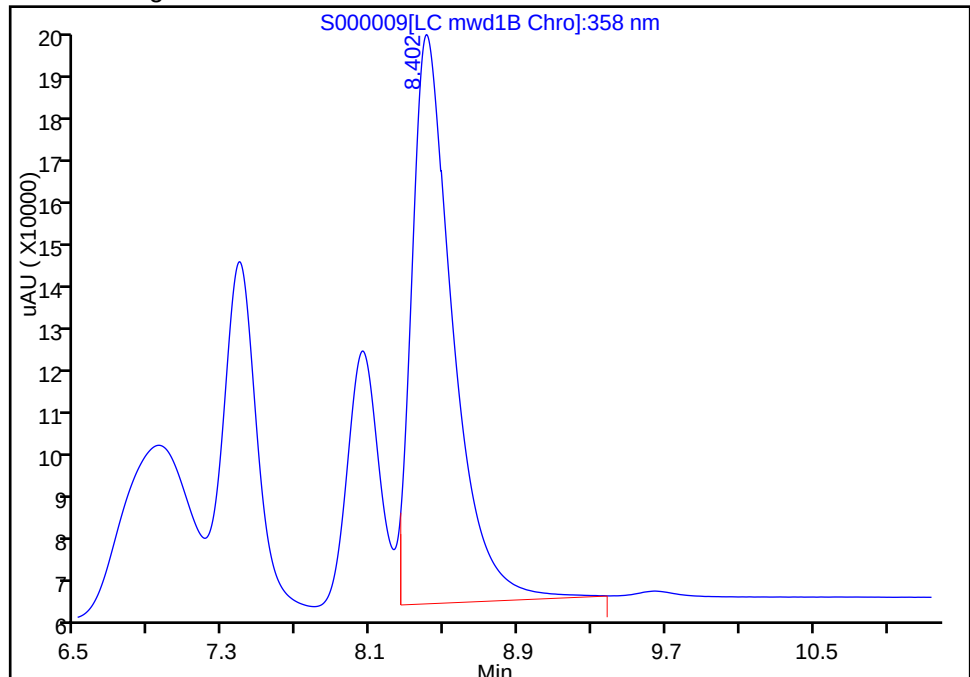
RT: 8.40
Response: 121334
Amount: 972.5626

Processing Integration Results



RT: 8.40
Response: 121095
Amount: 915.6245

Manual Integration Results



Reviewer: shafern, 19-Apr-2013 16:36:11

Audit Action: Manually Integrated

Audit Reason: Baseline

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000010.D
 Lims ID: STD08 Client ID:
 Inject. Date: 19-Apr-2013 15:51:00 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 8
 Sample ID: 320-0003998-009
 Misc. Info.:
 Operator: RN Instrument ID: LC10
 Injection Vol: 500.0 ul ALS Bottle#: 18
 Lims Batch ID: 14686 Lims Sample ID: 9
 Sublist: chrom-8330_LC10*sub1
 Method: \\SACChrom\ChromData\LC10\20130419-3998.b\8330_LC10.m
 Last Update: 22-Apr-2013 09:45:31 Calib Date: 19-Apr-2013 15:51:00
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000010.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
 Process Host: XAWRK024

First Level Reviewer: shafern

Date: 22-Apr-2013 09:44:45

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	5.157	5.177	-0.020	110291	879.1	
19 RDX						
1	7.354	7.397	-0.043	66491	730.7	
3 Ethylene glycol dinitrate						
2	8.030	8.061	-0.031	92745	839.2	
10 2,4,6-Trinitrophenol						
2	8.317	8.471	-0.154	211078	1596.0	
1	8.317	8.471	-0.154	142605	1547.9	
27 1,3,5-Trinitrobenzene						
1	9.614	9.644	-0.030	140814	861.0	
24 1,3-Dinitrobenzene						
1	12.164	12.211	-0.047	136282	840.0	
9 3,5-Dinitroaniline						
1	12.887	12.941	-0.054	86750	837.1	
20 Tetryl						
1	13.191	13.221	-0.030	90160	952.8	
5 Nitrobenzene						
1	13.841	13.884	-0.043	60068	841.6	
7 Nitroglycerin						
2	14.394	14.418	-0.024	60020	853.6	
25 2,4,6-Trinitrotoluene						
1	15.271	15.291	-0.020	87568	917.9	
26 4-Amino-2,6-dinitrotoluene						
1	15.797	15.838	-0.041	69235	883.5	
\$ 30 3,4-Dinitrotoluene						
1	16.231	16.271	-0.040	27760	485.2	
2	16.237	16.274	-0.037	51173	477.6	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
6 2-Amino-4,6-dinitrotoluene						
1	16.761	16.801	-0.040	73519	875.0	
12 2,6-Dinitrotoluene						
1	18.281	18.308	-0.027	53808	899.3	
23 2,4-Dinitrotoluene						
1	18.921	18.948	-0.027	89180	902.7	
16 o-Nitrotoluene						
1	22.141	22.151	-0.010	38030	895.9	
15 p-Nitrotoluene						
1	23.771	23.768	0.003	48433	912.1	
8 m-Nitrotoluene						
1	25.581	25.564	0.017	48102	924.8	
21 PETN						
2	27.541	27.491	0.050	35657	906.2	

Report Date: 22-Apr-2013 09:45:31

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

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000010.D

Injection Date: 19-Apr-2013 15:51:00

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 14686

Lims Sample ID: 9

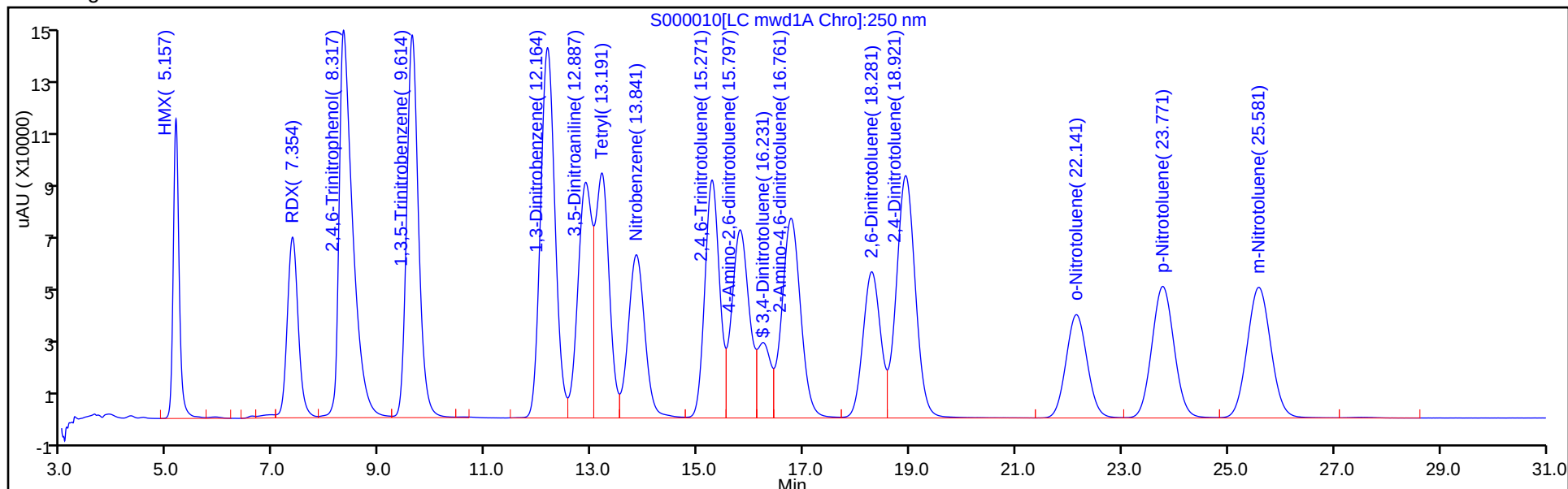
Operator ID: RN

Injection Vol: 500.0 ul

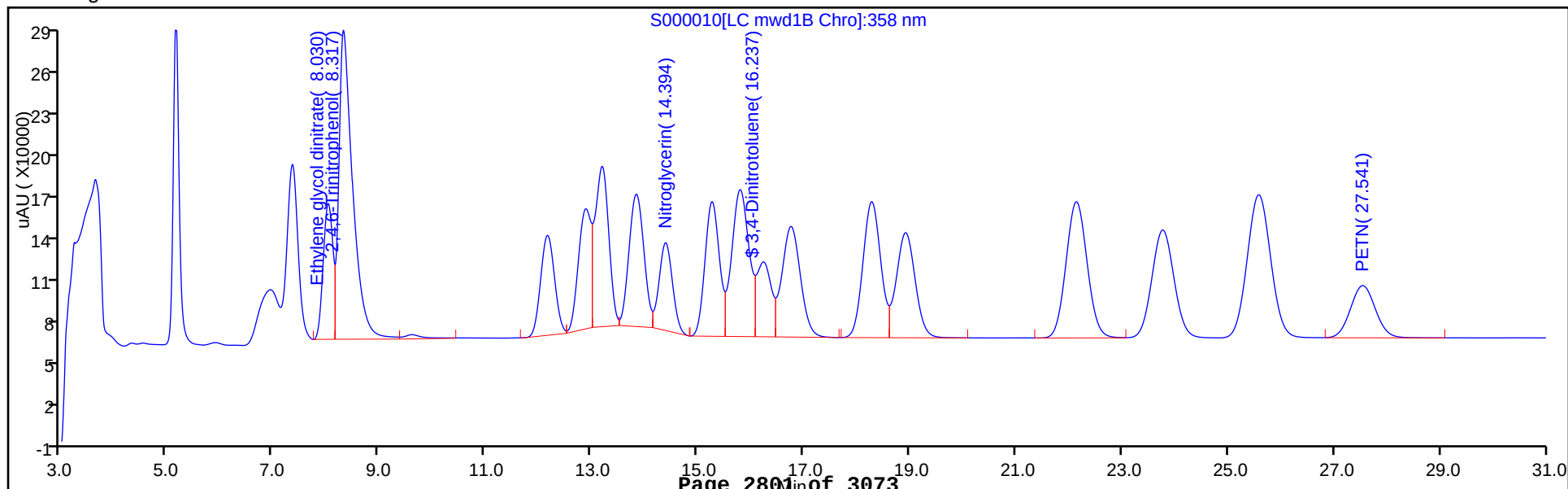
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-22852-1
 SDG No.: _____
 Lab Sample ID: ICV 320-14686/11 Calibration Date: 04/19/2013 17:18
 Instrument ID: LC10 Calib Start Date: 04/19/2013 10:45
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 04/19/2013 15:51
 Lab File ID: S000012.D Conc. Units: ng/mL

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

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22852-1
 SDG No.: _____
 Lab Sample ID: ICV 320-14686/11 Calibration Date: 04/19/2013 17:18
 Instrument ID: LC10 Calib Start Date: 04/19/2013 10:45
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 04/19/2013 15:51
 Lab File ID: S000012.D

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

TestAmerica Sacramento
Target Compound Quantitation Report

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

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

First Level Reviewer: shafern

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

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

11 HMX

1 5.178 5.177 0.001 63923 509.5

19 RDX

1 7.411 7.397 0.014 43089 473.5

3 Ethylene glycol dinitrate

2 8.078 8.061 0.017 55155 499.1

10 2,4,6-Trinitrophenol

2 8.424 8.471 -0.047 118777 898.1

1 8.424 8.471 -0.047 81268 882.1

27 1,3,5-Trinitrobenzene

1 9.661 9.644 0.017 79976 489.0

24 1,3-Dinitrobenzene

1 12.241 12.211 0.030 78004 480.8

9 3,5-Dinitroaniline

1 12.978 12.941 0.037 53040 511.8

20 Tetryl

1 13.265 13.221 0.044 50558 534.3

5 Nitrobenzene

1 13.928 13.884 0.044 35787 501.4

7 Nitroglycerin

2 14.468 14.418 0.050 36447 518.4

25 2,4,6-Trinitrotoluene

1 15.338 15.291 0.047 48742 510.9

26 4-Amino-2,6-dinitrotoluene

1 15.895 15.838 0.057 37317 476.2

6 2-Amino-4,6-dinitrotoluene

1 16.865 16.801 0.064 41248 490.9

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

TestAmerica Sacramento

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

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

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 14686

Lims Sample ID: 11

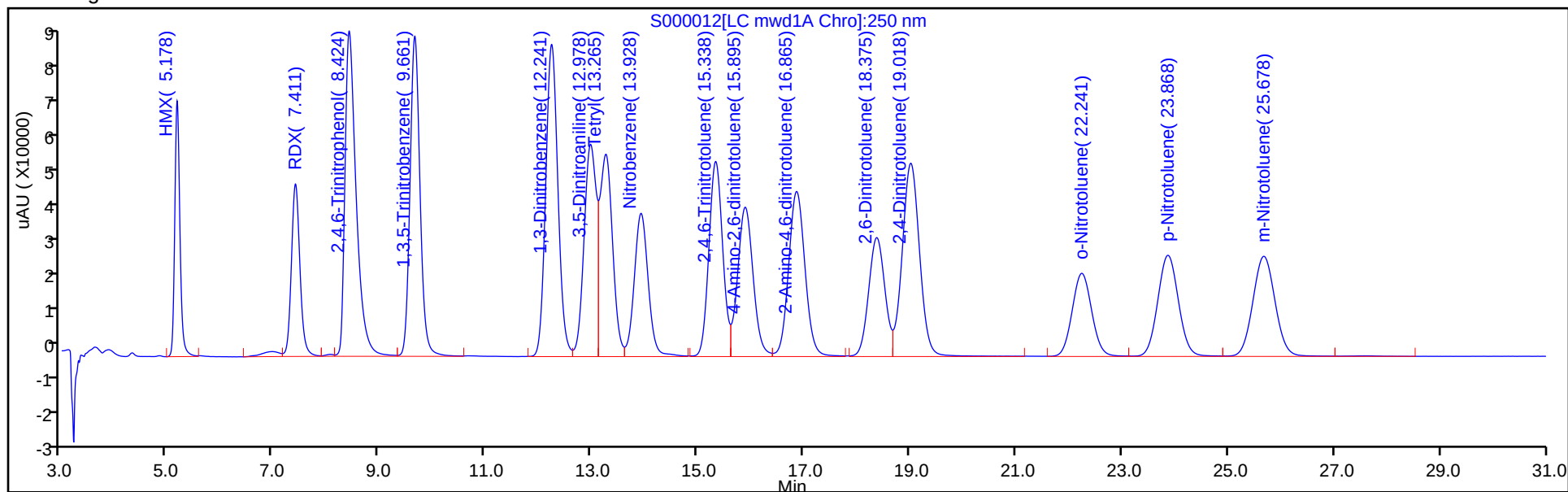
Operator ID: RN

Injection Vol: 500.0 ul

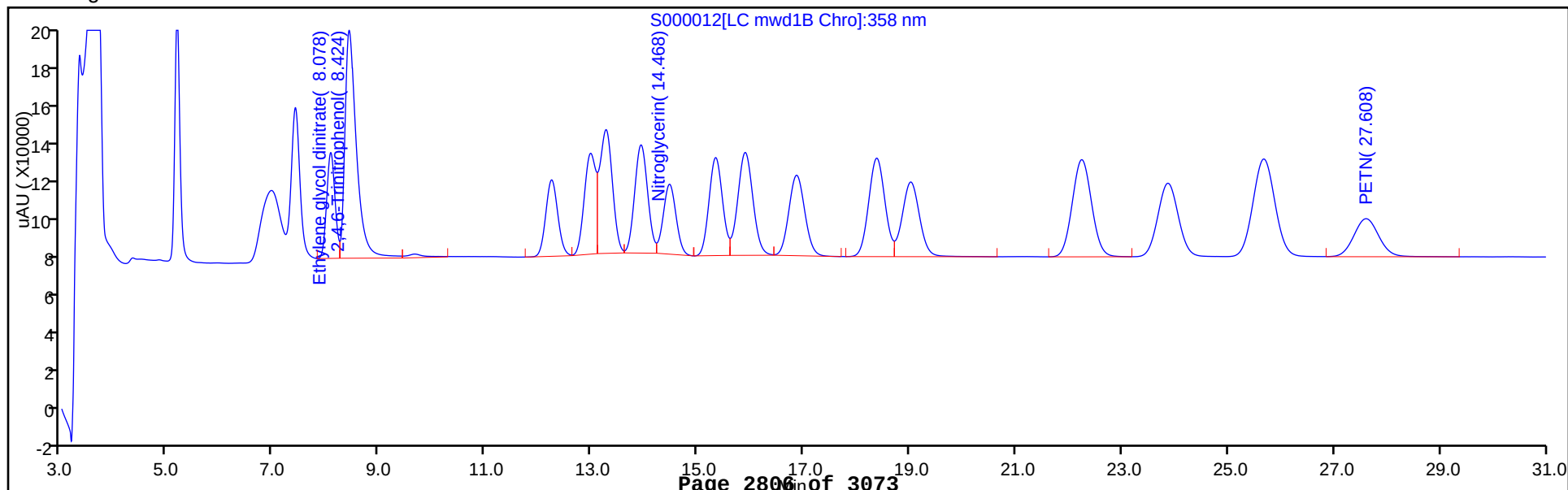
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-22852-1
 SDG No.: _____
 Lab Sample ID: LODV 320-14686/12 Calibration Date: 04/19/2013 18:02
 Instrument ID: LC10 Calib Start Date: 04/19/2013 10:45
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 04/19/2013 15:51
 Lab File ID: S000013.D Conc. Units: ng/mL

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

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22852-1
 SDG No.: _____
 Lab Sample ID: LODV 320-14686/12 Calibration Date: 04/19/2013 18:02
 Instrument ID: LC10 Calib Start Date: 04/19/2013 10:45
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 04/19/2013 15:51
 Lab File ID: S000013.D

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

TestAmerica Sacramento
Target Compound Quantitation Report

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

First Level Reviewer: shafern

Date:

22-Apr-2013 07:58:44

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

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

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

QC Flag Legend

Review Flags

M - Manually Integrated

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

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

TestAmerica Sacramento

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

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

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 14686

Lims Sample ID: 12

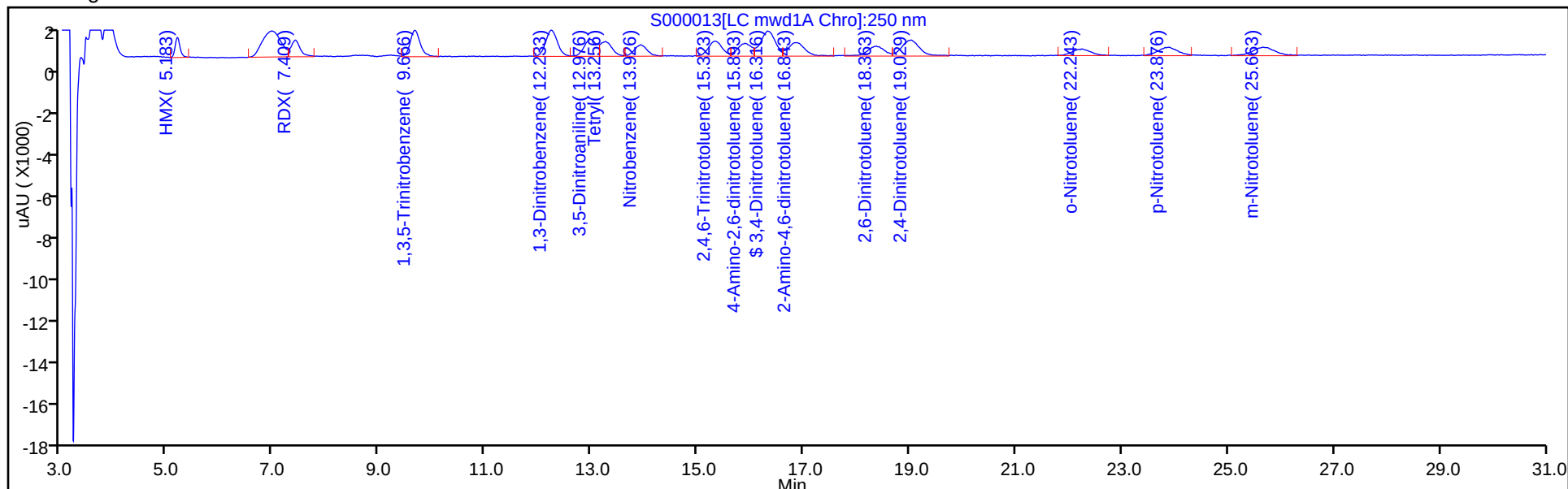
Operator ID: RN

Injection Vol: 500.0 ul

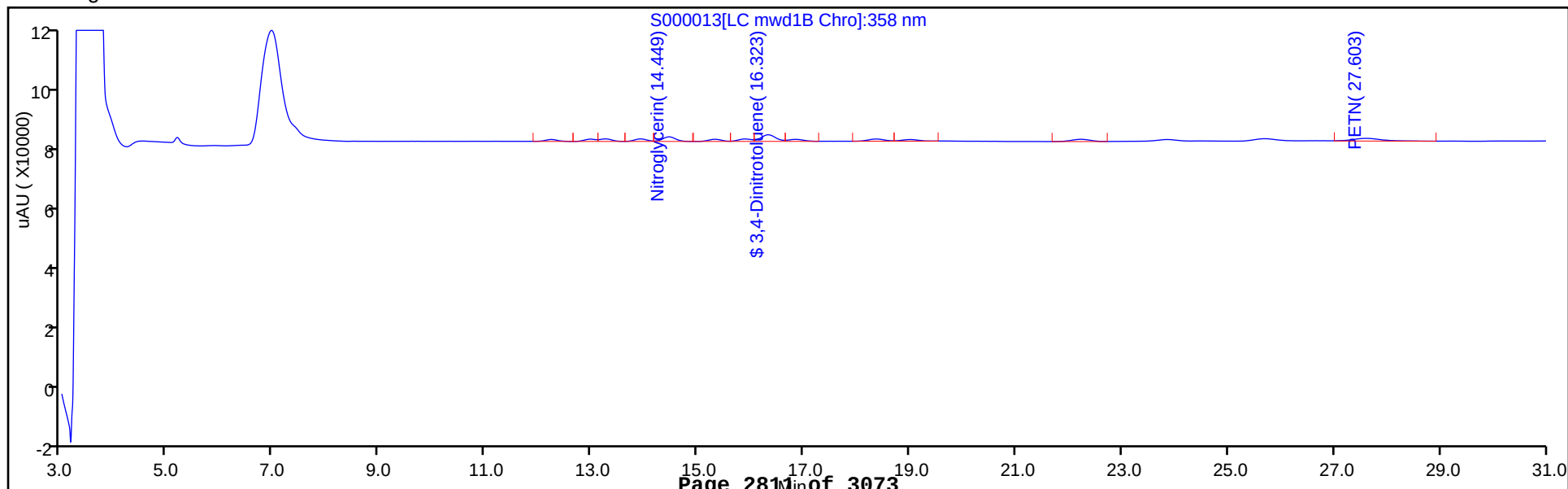
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



TestAmerica Sacramento

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

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

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 14686

Lims Sample ID: 12

Operator ID: RN

Injection Vol: 500.0 ul

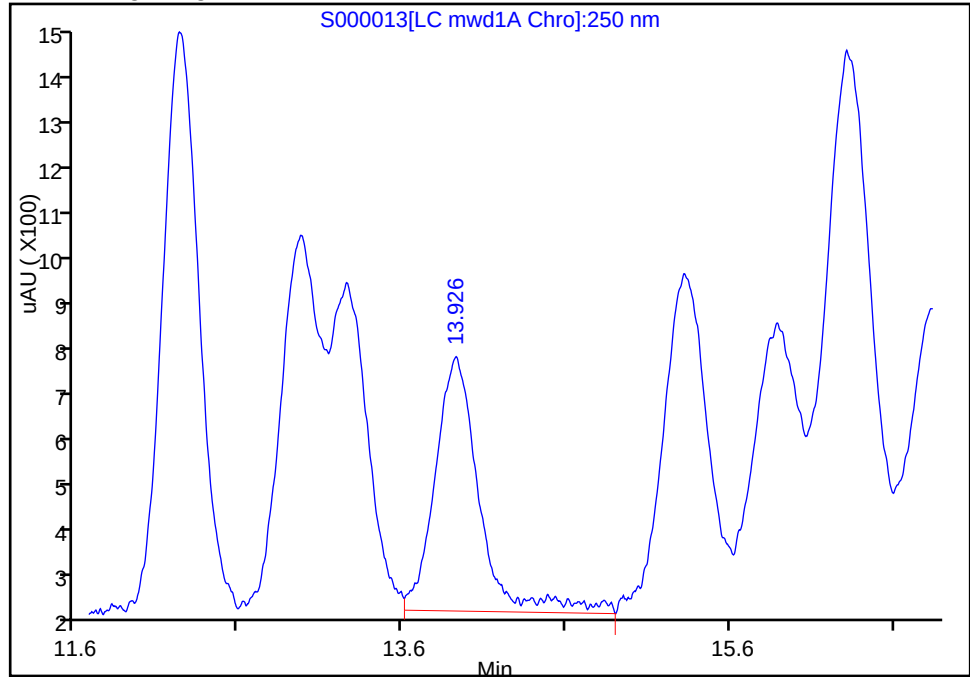
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

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

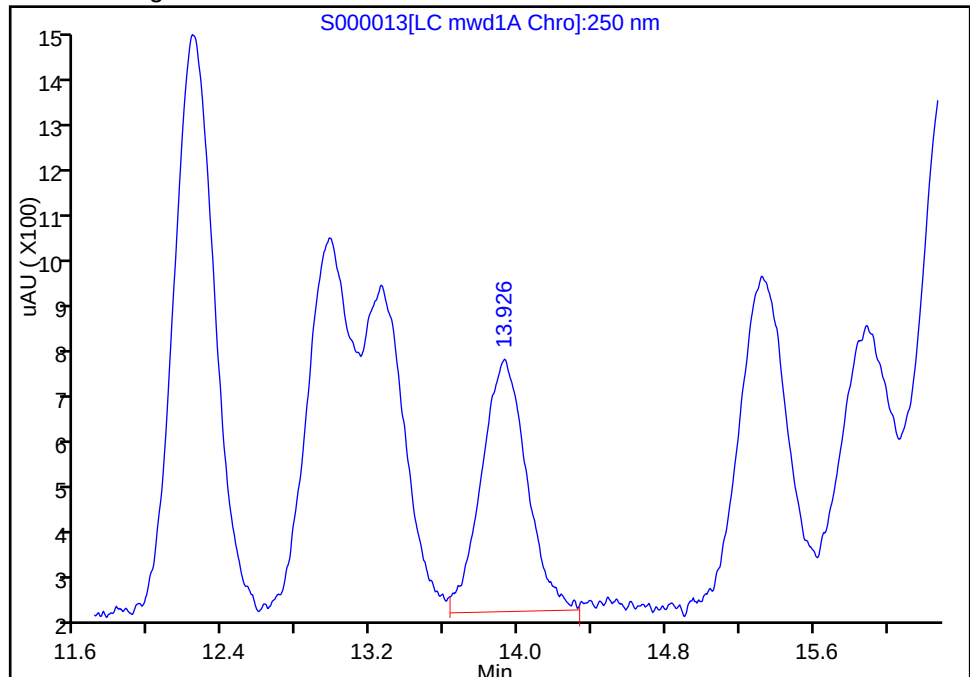
RT: 13.93
Response: 516
Amount: 7.246537

Processing Integration Results



RT: 13.93
Response: 512
Amount: 7.173568

Manual Integration Results



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

Audit Action: Manually Integrated

Audit Reason: Baseline

TestAmerica Sacramento

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

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

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 14686

Lims Sample ID: 12

Operator ID: RN

Injection Vol: 500.0 ul

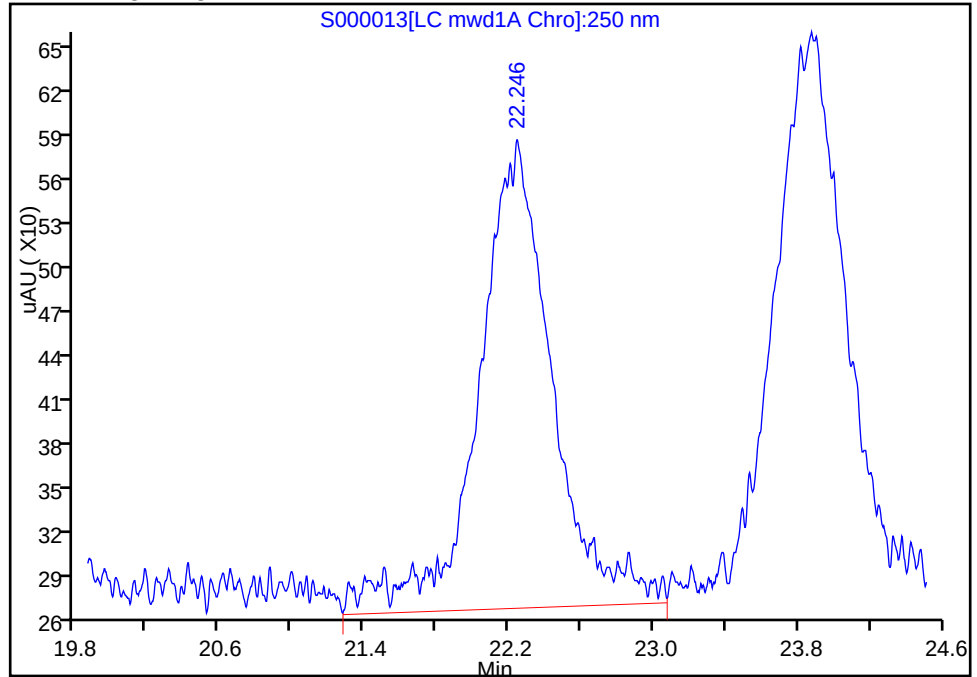
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

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

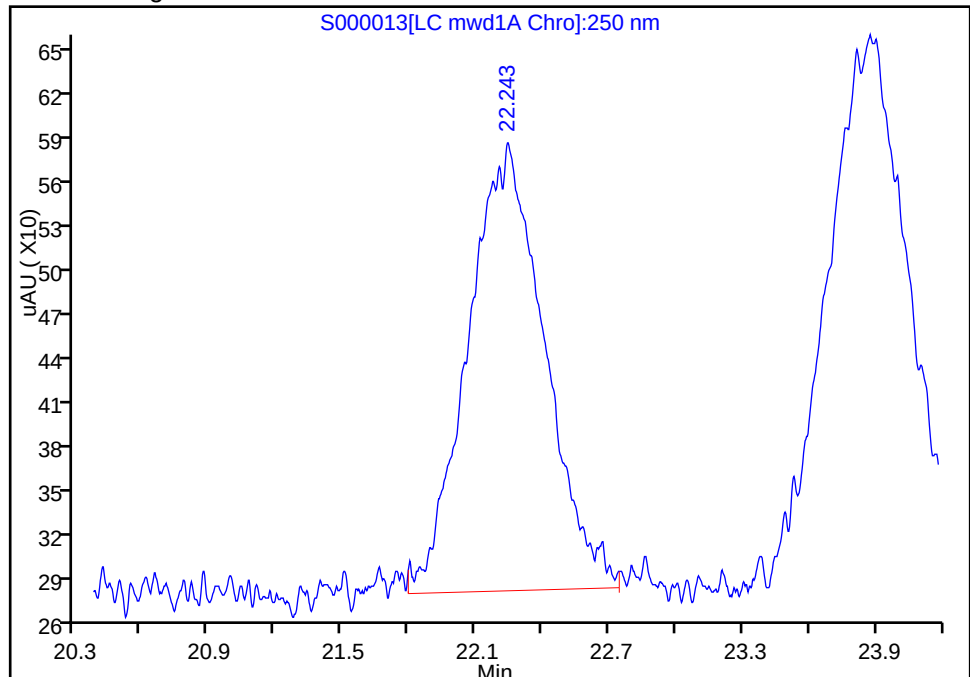
RT: 22.25
Response: 317
Amount: 7.459250

Processing Integration Results



RT: 22.24
Response: 303
Amount: 7.138377

Manual Integration Results



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

Audit Action: Manually Integrated

Audit Reason: Baseline

TestAmerica Sacramento

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

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

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 14686

Lims Sample ID: 12

Operator ID: RN

Injection Vol: 500.0 ul

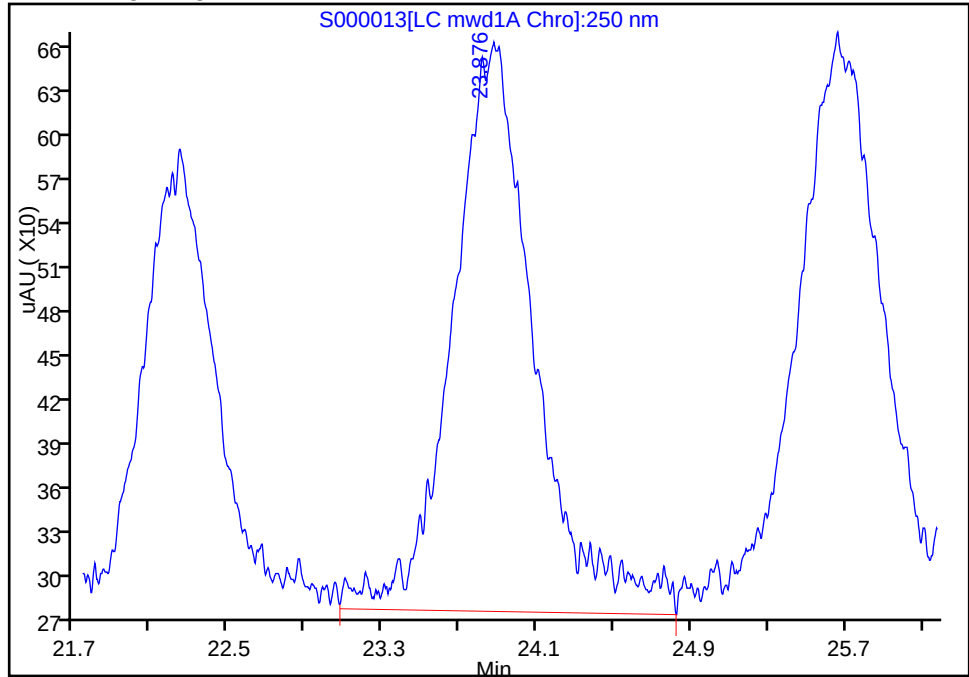
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

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

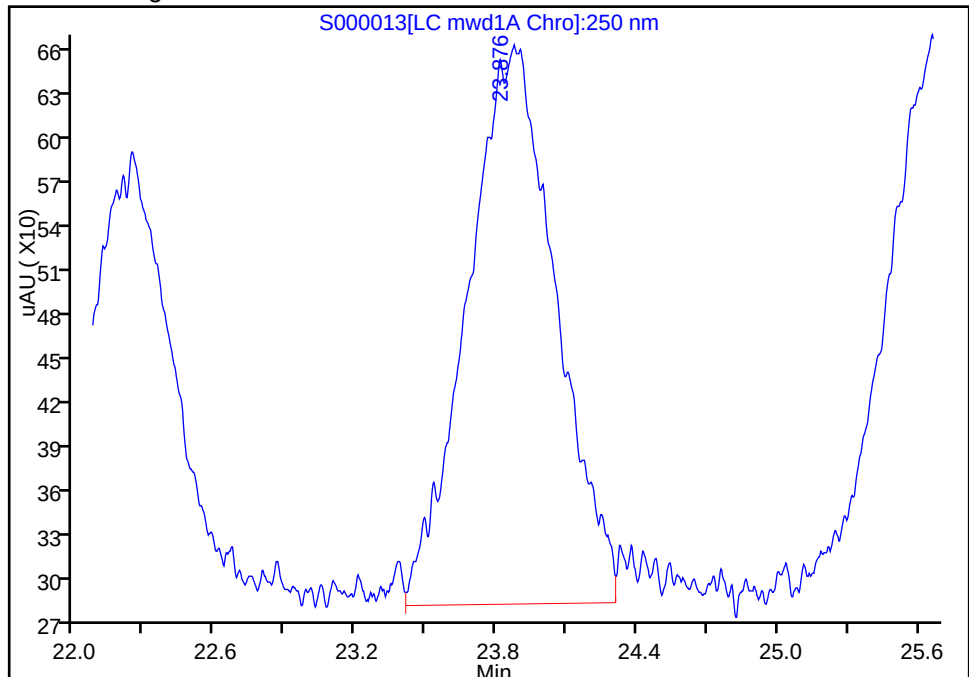
RT: 23.88
Response: 388
Amount: 7.302901

Processing Integration Results



RT: 23.88
Response: 381
Amount: 7.175192

Manual Integration Results



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

Audit Action: Manually Integrated

Audit Reason: Baseline

FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-22852-1
 SDG No.: _____
 Lab Sample ID: CCV 320-14706/32 Calibration Date: 04/20/2013 17:19
 Instrument ID: LC10 Calib Start Date: 04/19/2013 10:45
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 04/19/2013 15:51
 Lab File ID: S000045.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
HMX	Ave	125.5	126.3		101	100	0.6	20.0
RDX	Ave	90.99	87.72		96.4	100	-3.6	20.0
Ethylene glycol dinitrate	Ave	110.5	113.6		103	100	2.8	20.0
Picric acid	Ave	132.3	104.8		198	250	-20.7*	20.0
1,3,5-Trinitrobenzene	Ave	163.5	164.5		101	100	0.6	20.0
1,3-Dinitrobenzene	Ave	162.2	163.8		101	100	0.9	20.0
3,5-Dinitroaniline	Ave	103.6	104.2		101	100	0.6	20.0
Tetryl	Ave	94.63	92.96		98.2	100	-1.8	20.0
Nitrobenzene	Ave	71.37	72.30		101	100	1.3	20.0
Nitroglycerin	Ave	70.31	66.88		95.1	100	-4.9	20.0
2,4,6-Trinitrotoluene	Ave	95.40	94.27		98.8	100	-1.2	20.0
4-Amino-2,6-dinitrotoluene	Ave	78.37	77.80		99.3	100	-0.7	20.0
2-Amino-4,6-dinitrotoluene	Ave	84.03	83.52		99.4	100	-0.6	20.0
2,6-Dinitrotoluene	Ave	59.83	59.20		98.9	100	-1.1	20.0
2,4-Dinitrotoluene	Ave	98.79	98.02		99.2	100	-0.8	20.0
2-Nitrotoluene	Ave	42.45	41.92		98.8	100	-1.2	20.0
4-Nitrotoluene	Ave	53.10	52.64		99.1	100	-0.9	20.0
3-Nitrotoluene	Ave	52.01	51.95		99.9	100	-0.1	20.0
PETN	Ave	39.35	37.16		94.4	100	-5.6	20.0
3,4-Dinitrotoluene	Ave	57.22	54.89		95.9	100	-4.1	20.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22852-1
 SDG No.: _____
 Lab Sample ID: CCV 320-14706/32 Calibration Date: 04/20/2013 17:19
 Instrument ID: LC10 Calib Start Date: 04/19/2013 10:45
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 04/19/2013 15:51
 Lab File ID: S000045.D

Analyte	RT	RT WINDOW	
		FROM	TO
HMX	5.18	4.93	5.43
RDX	7.40	7.15	7.65
Ethylene glycol dinitrate	8.07	7.82	8.32
Picric acid	8.48	8.23	8.73
1,3,5-Trinitrobenzene	9.65	9.40	9.90
1,3-Dinitrobenzene	12.22	11.97	12.47
3,5-Dinitroaniline	12.96	12.71	13.21
Tetryl	13.24	12.99	13.49
Nitrobenzene	13.90	13.65	14.15
Nitroglycerin	14.44	14.19	14.69
2,4,6-Trinitrotoluene	15.31	15.06	15.56
4-Amino-2,6-dinitrotoluene	15.87	15.62	16.12
2-Amino-4,6-dinitrotoluene	16.83	16.58	17.08
2,6-Dinitrotoluene	18.34	18.09	18.59
2,4-Dinitrotoluene	18.98	18.73	19.23
2-Nitrotoluene	22.20	21.95	22.45
4-Nitrotoluene	23.82	23.57	24.07
3-Nitrotoluene	25.62	25.37	25.87
PETN	27.53	27.28	27.78
3,4-Dinitrotoluene	16.30	16.05	16.55

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20130419-4003.b\S000045.D
 Lims ID: CCV 05 Client ID:
 Inject. Date: 20-Apr-2013 17:19:29 Dil. Factor: 1.0000
 Sample Type: CCVRT
 Sample ID: 320-0004003-032
 Misc. Info.:
 Operator: RN Instrument ID: LC10
 Injection Vol: 500.0 ul ALS Bottle#: 3
 Lims Batch ID: 14706 Lims Sample ID: 32
 Sublist: chrom-8330_LC10*sub1
 Method: \\SACChrom\ChromData\LC10\20130419-4003.b\8330_LC10.m
 Last Update: 22-Apr-2013 09:55:25 Calib Date: 19-Apr-2013 15:51:00
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000010.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
 Process Host: XAWRK024

First Level Reviewer: shafern

Date: 22-Apr-2013 09:01:46

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	5.179	5.179	0.0	12627	100.6	
19 RDX						
1	7.403	7.403	0.0	8772	96.4	
3 Ethylene glycol dinitrate						
2	8.069	8.069	0.0	11357	102.8	
10 2,4,6-Trinitrophenol						
2	8.483	8.483	0.0	26203	198.1	
1	8.479	8.479	0.0	18334	199.0	
27 1,3,5-Trinitrobenzene						
1	9.653	9.653	0.0	16453	100.6	
24 1,3-Dinitrobenzene						
1	12.223	12.223	0.0	16375	100.9	
9 3,5-Dinitroaniline						
1	12.956	12.956	0.0	10422	100.6	
20 Tetryl						
1	13.239	13.239	0.0	9296	98.2	
5 Nitrobenzene						
1	13.903	13.903	0.0	7230	101.3	
7 Nitroglycerin						
2	14.439	14.439	0.0	6688	95.1	
25 2,4,6-Trinitrotoluene						
1	15.309	15.309	0.0	9427	98.8	
26 4-Amino-2,6-dinitrotoluene						
1	15.866	15.866	0.0	7780	99.3	
\$ 30 3,4-Dinitrotoluene						
1	16.303	16.303	0.0	5489	95.9	
2	16.303	16.303	0.0	10390	97.0	

Data File: \\SACChrom\ChromData\LC10\20130419-4003.b\S000045.D

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
6 2-Amino-4,6-dinitrotoluene						
1	16.833	16.833	0.0	8352	99.4	
12 2,6-Dinitrotoluene						
1	18.339	18.339	0.0	5920	98.9	
23 2,4-Dinitrotoluene						
1	18.983	18.983	0.0	9802	99.2	
16 o-Nitrotoluene						
1	22.203	22.203	0.0	4192	98.8	
15 p-Nitrotoluene						
1	23.823	23.823	0.0	5264	99.1	
8 m-Nitrotoluene						
1	25.619	25.619	0.0	5195	99.9	
21 PETN						
2	27.529	27.529	0.0	3716	94.4	

Report Date: 22-Apr-2013 09:55:26

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

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130419-4003.b\S000045.D

Injection Date: 20-Apr-2013 17:19:29

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 14706

Lims Sample ID: 32

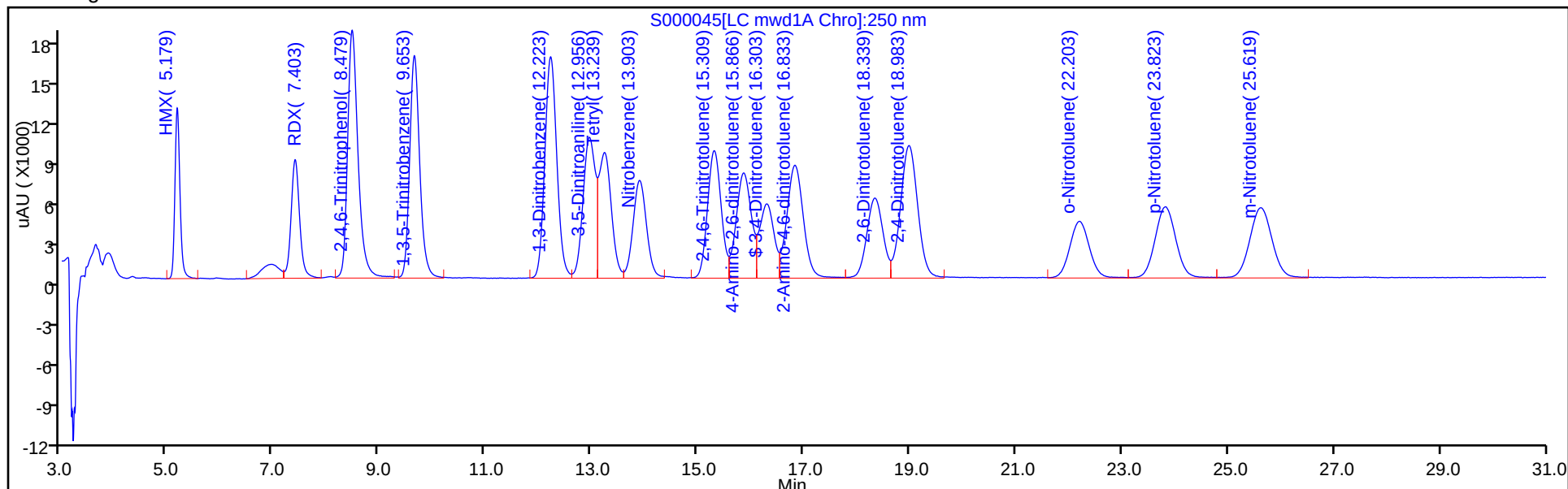
Operator ID: RN

Injection Vol: 500.0 ul

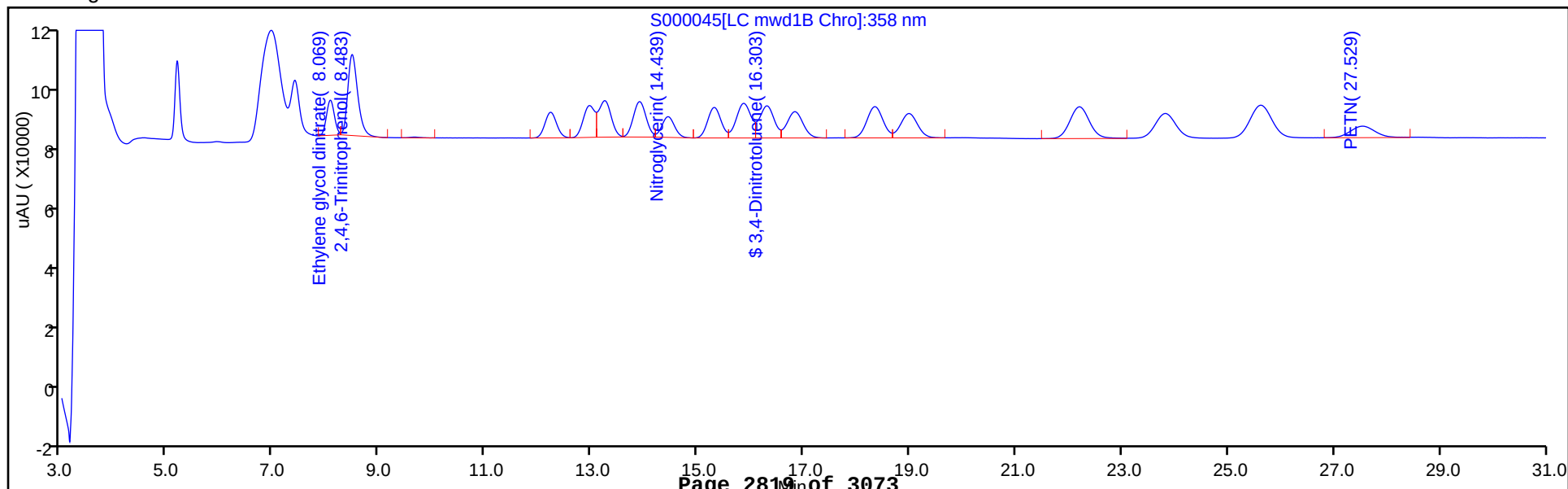
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-22852-1
 SDG No.: _____
 Lab Sample ID: CCVL 320-14706/33 Calibration Date: 04/20/2013 18:03
 Instrument ID: LC10 Calib Start Date: 04/19/2013 10:45
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 04/19/2013 15:51
 Lab File ID: S000046.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
HMX	Ave	125.5	177.2		7.06	5.00	41.2*	30.0
RDX	Ave	90.99	147.6		8.11	5.00	62.2*	30.0
1,3,5-Trinitrobenzene	Ave	163.5	234.8		7.18	5.00	43.6*	30.0
1,3-Dinitrobenzene	Ave	162.2	237.8		7.33	5.00	46.6*	30.0
3,5-Dinitroaniline	Ave	103.6	152.8		7.37	5.00	47.4*	30.0
Tetryl	Ave	94.63	136.2		7.20	5.00	43.9*	30.0
Nitrobenzene	Ave	71.37	104.2		7.30	5.00	46.0*	30.0
Nitroglycerin	Ave	70.31	81.20		23.1	20.0	15.5	30.0
2,4,6-Trinitrotoluene	Ave	95.40	139.0		7.29	5.00	45.7*	30.0
4-Amino-2,6-dinitrotoluene	Ave	78.37	115.8		7.39	5.00	47.8*	30.0
2-Amino-4,6-dinitrotoluene	Ave	84.03	124.4		7.40	5.00	48.1*	30.0
2,6-Dinitrotoluene	Ave	59.83	87.80		7.34	5.00	46.7*	30.0
2,4-Dinitrotoluene	Ave	98.79	142.6		7.22	5.00	44.3*	30.0
2-Nitrotoluene	Ave	42.45	62.20		7.33	5.00	46.5*	30.0
4-Nitrotoluene	Ave	53.10	73.40		6.91	5.00	38.2*	30.0
3-Nitrotoluene	Ave	52.01	74.40		7.15	5.00	43.0*	30.0
PETN	Ave	39.35	39.90		20.3	20.0	1.4	30.0
3,4-Dinitrotoluene	Ave	57.22	57.05		19.9	20.0	-0.3	30.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22852-1
 SDG No.: _____
 Lab Sample ID: CCVL 320-14706/33 Calibration Date: 04/20/2013 18:03
 Instrument ID: LC10 Calib Start Date: 04/19/2013 10:45
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 04/19/2013 15:51
 Lab File ID: S000046.D

Analyte	RT	RT WINDOW	
		FROM	TO
HMX	5.18	4.93	5.43
RDX	7.40	7.15	7.65
1,3,5-Trinitrobenzene	9.65	9.40	9.90
1,3-Dinitrobenzene	12.23	11.98	12.48
3,5-Dinitroaniline	12.95	12.70	13.20
Tetryl	13.21	12.96	13.46
Nitrobenzene	13.88	13.63	14.13
Nitroglycerin	14.42	14.17	14.67
2,4,6-Trinitrotoluene	15.29	15.04	15.54
4-Amino-2,6-dinitrotoluene	15.84	15.59	16.09
2-Amino-4,6-dinitrotoluene	16.81	16.56	17.06
2,6-Dinitrotoluene	18.31	18.06	18.56
2,4-Dinitrotoluene	18.96	18.71	19.21
2-Nitrotoluene	22.13	21.88	22.38
4-Nitrotoluene	23.73	23.48	23.98
3-Nitrotoluene	25.56	25.31	25.81
PETN	27.49	27.24	27.74
3,4-Dinitrotoluene	16.28	16.03	16.53

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20130419-4003.b\S000046.D
 Lims ID: CCVL Client ID:
 Inject. Date: 20-Apr-2013 18:03:09 Dil. Factor: 1.0000
 Sample Type: CCVL
 Sample ID: 320-0004003-033
 Misc. Info.:
 Operator: RN Instrument ID: LC10
 Injection Vol: 500.0 ul ALS Bottle#: 7
 Lims Batch ID: 14706 Lims Sample ID: 33
 Sublist: chrom-8330_LC10*sub2
 Method: \\SACChrom\ChromData\LC10\20130419-4003.b\8330_LC10.m
 Last Update: 22-Apr-2013 09:55:25 Calib Date: 19-Apr-2013 15:51:00
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000010.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
 Process Host: XAWRK024

First Level Reviewer: shafern

Date: 22-Apr-2013 09:04:12

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	5.181	5.181	0.0	886	7.06	
19 RDX						
1	7.397	7.397	0.0	738	8.11	
27 1,3,5-Trinitrobenzene						
1	9.651	9.651	0.0	1174	7.18	
24 1,3-Dinitrobenzene						
1	12.227	12.227	0.0	1189	7.33	
9 3,5-Dinitroaniline						
1	12.954	12.954	0.0	764	7.37	
20 Tetryl						
1	13.211	13.211	0.0	681	7.20	
5 Nitrobenzene						
1	13.884	13.884	0.0	521	7.30	
7 Nitroglycerin						
2	14.424	14.424	0.0	1624	23.1	
25 2,4,6-Trinitrotoluene						
1	15.294	15.294	0.0	695	7.29	
26 4-Amino-2,6-dinitrotoluene						
1	15.841	15.841	0.0	579	7.39	
\$ 30 3,4-Dinitrotoluene						
1	16.281	16.281	0.0	1141	19.9	
2	16.284	16.284	0.0	2309	21.5	
6 2-Amino-4,6-dinitrotoluene						
1	16.807	16.807	0.0	622	7.40	
12 2,6-Dinitrotoluene						
1	18.314	18.314	0.0	439	7.34	

Data File: \\SACChrom\ChromData\LC10\20130419-4003.b\S000046.D

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
23 2,4-Dinitrotoluene						
1	18.957	18.957	0.0	713	7.22	
16 o-Nitrotoluene						
1	22.131	22.131	0.0	311	7.33	
15 p-Nitrotoluene						
1	23.731	23.731	0.0	367	6.91	M
8 m-Nitrotoluene						
1	25.557	25.557	0.0	372	7.15	M
21 PETN						
2	27.491	27.491	0.0	798	20.3	

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 22-Apr-2013 09:55:25

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

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130419-4003.b\S000046.D

Injection Date: 20-Apr-2013 18:03:09

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 14706

Lims Sample ID: 33

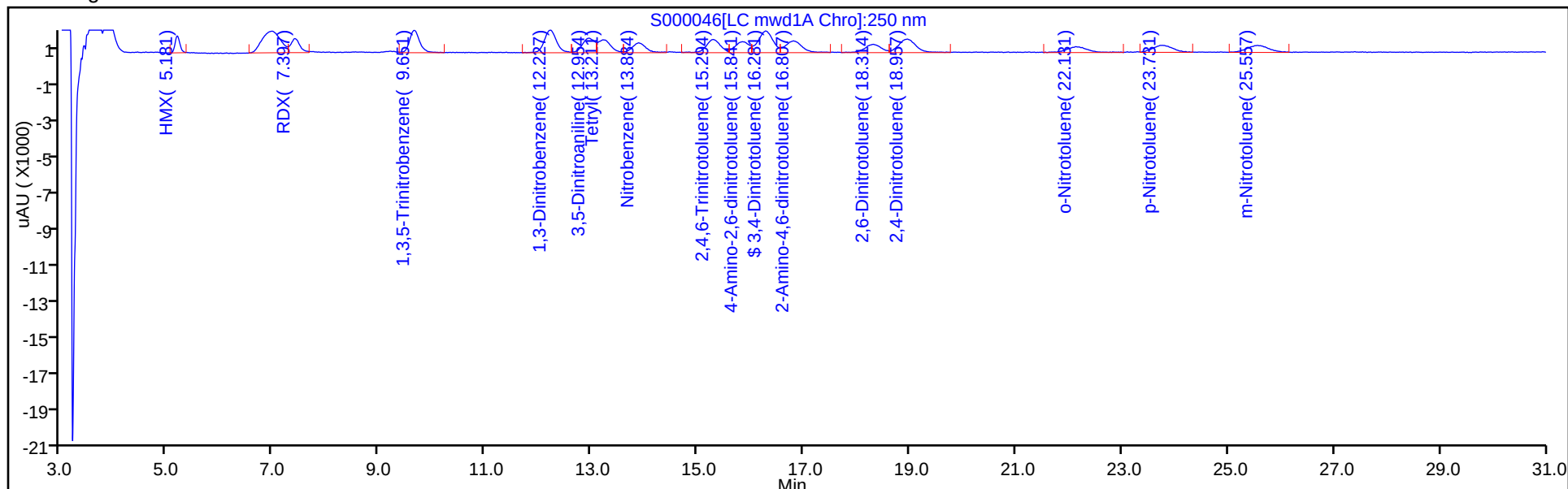
Operator ID: RN

Injection Vol: 500.0 ul

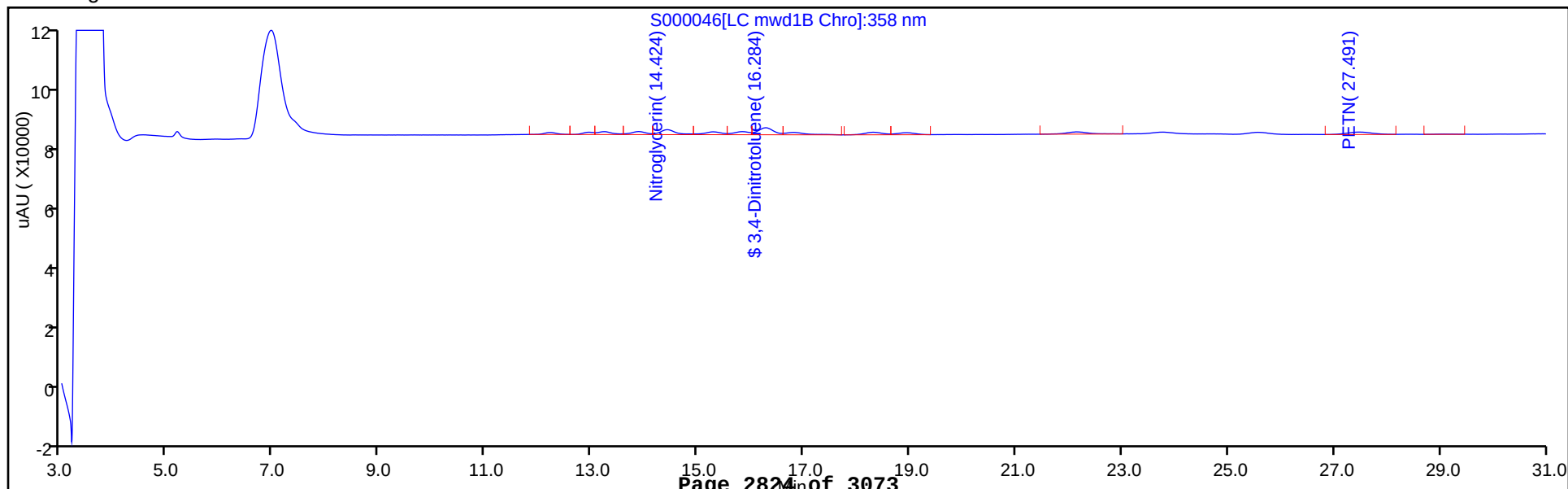
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130419-4003.b\S000046.D

Injection Date: 20-Apr-2013 18:03:09

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 14706

Lims Sample ID: 33

Operator ID: RN

Injection Vol: 500.0 ul

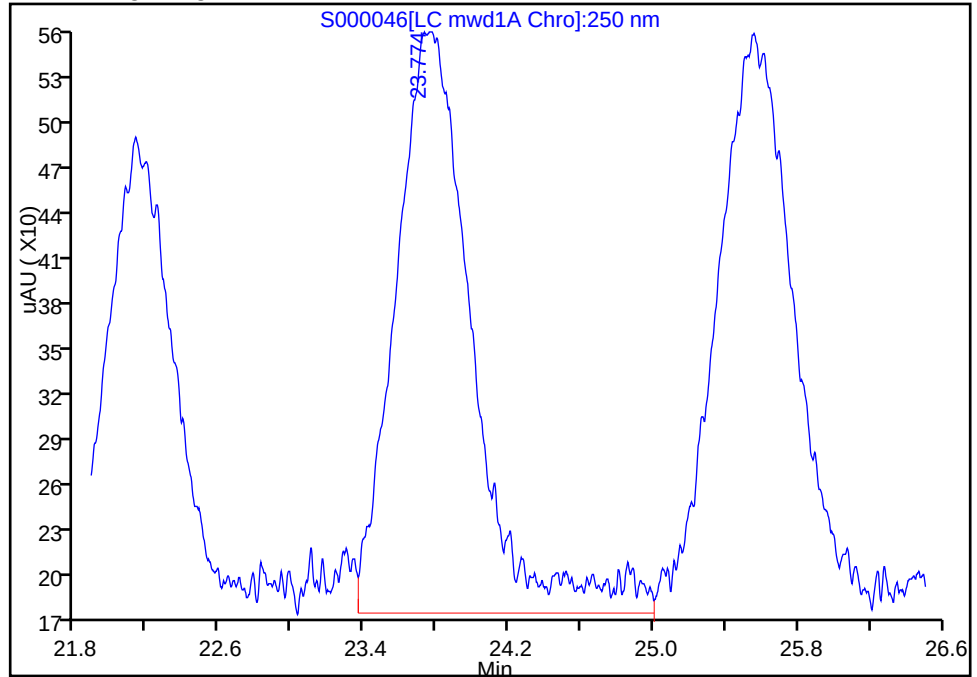
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

15 p-Nitrotoluene, Signal: 1, Type: quant, RT: 23.73, Det: LC mwd1A

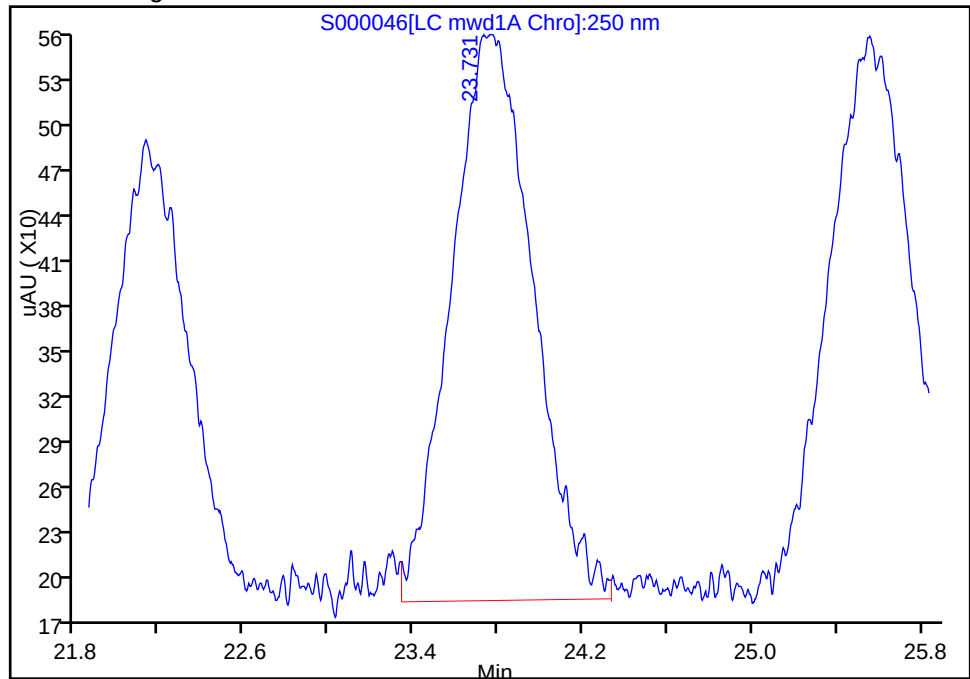
RT: 23.77
Response: 376
Amount: 7.077038

Processing Integration Results



RT: 23.73
Response: 367
Amount: 6.911537

Manual Integration Results



Reviewer: shafern, 22-Apr-2013 09:05:24

Audit Action: Manually Integrated

Audit Reason: Baseline

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130419-4003.b\S000046.D

Injection Date: 20-Apr-2013 18:03:09

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 14706

Lims Sample ID: 33

Operator ID: RN

Injection Vol: 500.0 ul

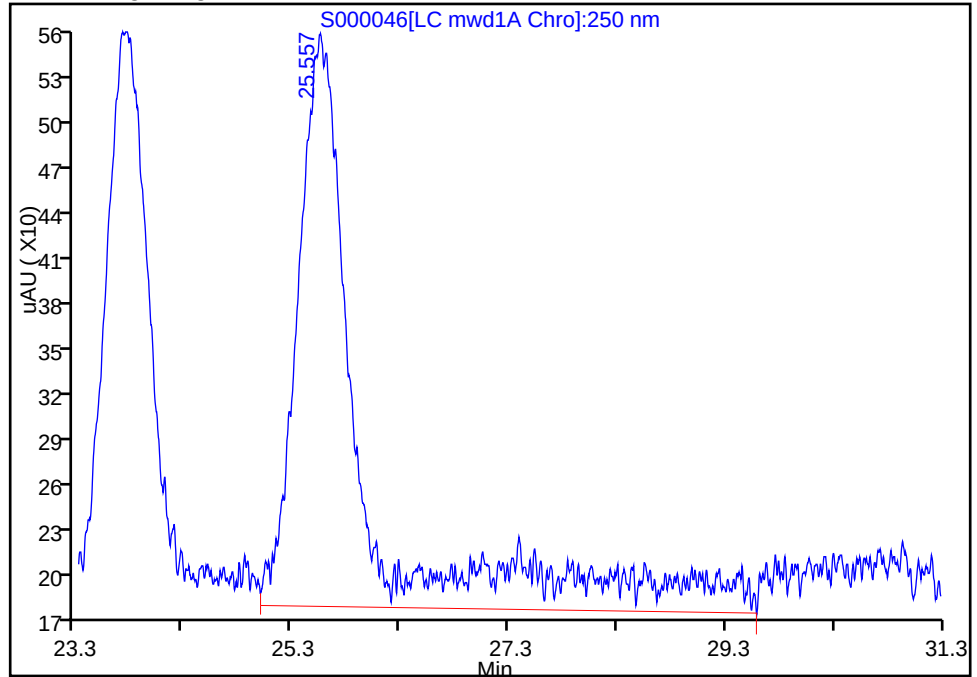
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

8 m-Nitrotoluene, Signal: 1, Type: quant, RT: 25.56, Det: LC mwd1A

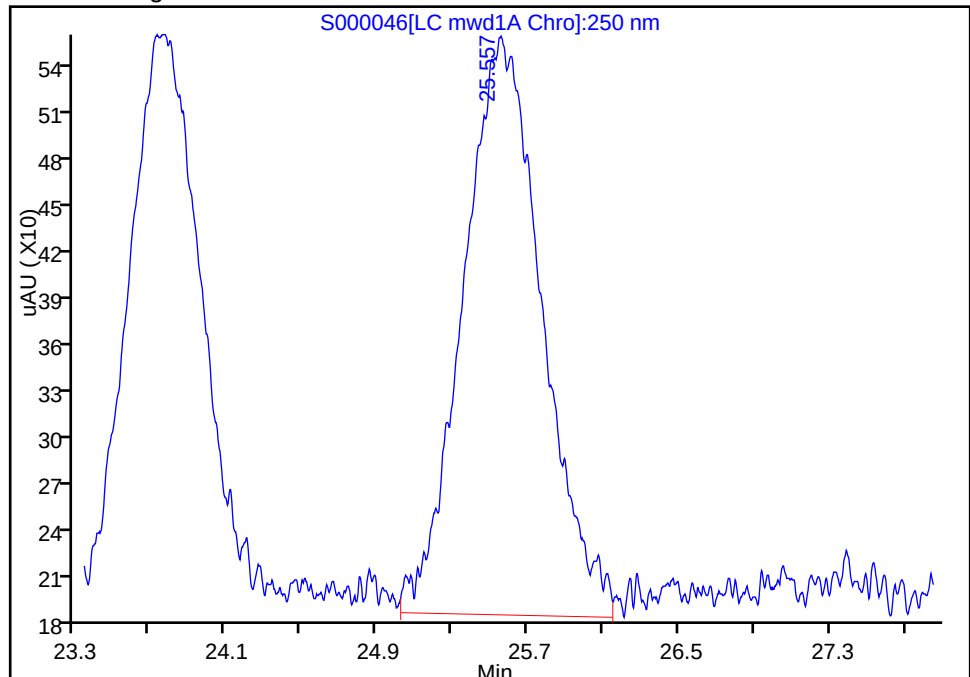
RT: 25.56
Response: 376
Amount: 7.230829

Processing Integration Results



RT: 25.56
Response: 372
Amount: 7.152178

Manual Integration Results



Reviewer: shafern, 22-Apr-2013 09:05:24

Audit Action: Manually Integrated

Audit Reason: Baseline

FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-22852-1
 SDG No.: _____
 Lab Sample ID: CCV 320-14706/44 Calibration Date: 04/21/2013 02:03
 Instrument ID: LC10 Calib Start Date: 04/19/2013 10:45
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 04/19/2013 15:51
 Lab File ID: S000057.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
HMX	Ave	125.5	126.4		101	100	0.7	20.0
RDX	Ave	90.99	87.14		95.8	100	-4.2	20.0
Ethylene glycol dinitrate	Ave	110.5	113.0		102	100	2.3	20.0
Picric acid	Ave	132.3	104.6		198	250	-20.9*	20.0
1,3,5-Trinitrobenzene	Ave	163.5	164.3		100	100	0.4	20.0
1,3-Dinitrobenzene	Ave	162.2	164.0		101	100	1.1	20.0
3,5-Dinitroaniline	Ave	103.6	104.8		101	100	1.2	20.0
Tetryl	Ave	94.63	93.22		98.5	100	-1.5	20.0
Nitrobenzene	Ave	71.37	71.17		99.7	100	-0.3	20.0
Nitroglycerin	Ave	70.31	67.02		95.3	100	-4.7	20.0
2,4,6-Trinitrotoluene	Ave	95.40	94.97		99.6	100	-0.4	20.0
4-Amino-2,6-dinitrotoluene	Ave	78.37	78.15		99.7	100	-0.3	20.0
2-Amino-4,6-dinitrotoluene	Ave	84.03	84.02		100	100	-0.0	20.0
2,6-Dinitrotoluene	Ave	59.83	59.61		99.6	100	-0.4	20.0
2,4-Dinitrotoluene	Ave	98.79	98.34		99.5	100	-0.5	20.0
2-Nitrotoluene	Ave	42.45	41.20		97.1	100	-2.9	20.0
4-Nitrotoluene	Ave	53.10	52.01		97.9	100	-2.1	20.0
3-Nitrotoluene	Ave	52.01	50.95		98.0	100	-2.0	20.0
PETN	Ave	39.35	36.17		91.9	100	-8.1	20.0
3,4-Dinitrotoluene	Ave	57.22	55.25		96.6	100	-3.4	20.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22852-1
 SDG No.: _____
 Lab Sample ID: CCV 320-14706/44 Calibration Date: 04/21/2013 02:03
 Instrument ID: LC10 Calib Start Date: 04/19/2013 10:45
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 04/19/2013 15:51
 Lab File ID: S000057.D

Analyte	RT	RT WINDOW	
		FROM	TO
HMX	5.18	4.93	5.43
RDX	7.41	7.16	7.66
Ethylene glycol dinitrate	8.07	7.82	8.32
Picric acid	8.49	8.24	8.74
1,3,5-Trinitrobenzene	9.66	9.41	9.91
1,3-Dinitrobenzene	12.23	11.98	12.48
3,5-Dinitroaniline	12.96	12.71	13.21
Tetryl	13.24	12.99	13.49
Nitrobenzene	13.91	13.66	14.16
Nitroglycerin	14.45	14.20	14.70
2,4,6-Trinitrotoluene	15.31	15.06	15.56
4-Amino-2,6-dinitrotoluene	15.87	15.62	16.12
2-Amino-4,6-dinitrotoluene	16.83	16.58	17.08
2,6-Dinitrotoluene	18.34	18.09	18.59
2,4-Dinitrotoluene	18.98	18.73	19.23
2-Nitrotoluene	22.19	21.94	22.44
4-Nitrotoluene	23.83	23.58	24.08
3-Nitrotoluene	25.62	25.37	25.87
PETN	27.55	27.30	27.80
3,4-Dinitrotoluene	16.31	16.06	16.56

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20130419-4003.b\S000057.D
 Lims ID: CCV 05 Client ID:
 Inject. Date: 21-Apr-2013 02:03:48 Dil. Factor: 1.0000
 Sample Type: CCVRT
 Sample ID: 320-0004003-044
 Misc. Info.:
 Operator: RN Instrument ID: LC10
 Injection Vol: 500.0 ul ALS Bottle#: 3
 Lims Batch ID: 14706 Lims Sample ID: 44
 Sublist: chrom-8330_LC10*sub1
 Method: \\SACChrom\ChromData\LC10\20130419-4003.b\8330_LC10.m
 Last Update: 22-Apr-2013 09:55:16 Calib Date: 19-Apr-2013 15:51:00
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000010.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
 Process Host: XAWRK024

First Level Reviewer: shafern

Date: 22-Apr-2013 09:20:58

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

11 HMX						
1	5.178	5.178	0.0	12638	100.7	
19 RDX						
1	7.408	7.408	0.0	8714	95.8	
3 Ethylene glycol dinitrate						
2	8.072	8.072	0.0	11303	102.3	
10 2,4,6-Trinitrophenol						
2	8.485	8.485	0.0	26150	197.7	
1	8.485	8.485	0.0	18249	198.1	
27 1,3,5-Trinitrobenzene						
1	9.655	9.655	0.0	16427	100.4	
24 1,3-Dinitrobenzene						
1	12.225	12.225	0.0	16404	101.1	
9 3,5-Dinitroaniline						
1	12.959	12.959	0.0	10483	101.2	
20 Tetryl						
1	13.242	13.242	0.0	9322	98.5	
5 Nitrobenzene						
1	13.905	13.905	0.0	7117	99.7	
7 Nitroglycerin						
2	14.445	14.445	0.0	6702	95.3	
25 2,4,6-Trinitrotoluene						
1	15.312	15.312	0.0	9497	99.6	
26 4-Amino-2,6-dinitrotoluene						
1	15.872	15.872	0.0	7815	99.7	
\$ 30 3,4-Dinitrotoluene						
1	16.305	16.305	0.0	5525	96.6	
2	16.305	16.305	0.0	10430	97.3	

Data File: \\SACChrom\ChromData\LC10\20130419-4003.b\S000057.D

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
6 2-Amino-4,6-dinitrotoluene						
1	16.832	16.832	0.0	8402	100.0	
12 2,6-Dinitrotoluene						
1	18.335	18.335	0.0	5961	99.6	
23 2,4-Dinitrotoluene						
1	18.982	18.982	0.0	9834	99.5	
16 o-Nitrotoluene						
1	22.192	22.192	0.0	4120	97.1	
15 p-Nitrotoluene						
1	23.825	23.825	0.0	5201	97.9	
8 m-Nitrotoluene						
1	25.615	25.615	0.0	5095	98.0	
21 PETN						
2	27.552	27.552	0.0	3617	91.9	

Report Date: 22-Apr-2013 09:55:16

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

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130419-4003.b\S000057.D

Injection Date: 21-Apr-2013 02:03:48

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 14706

Lims Sample ID: 44

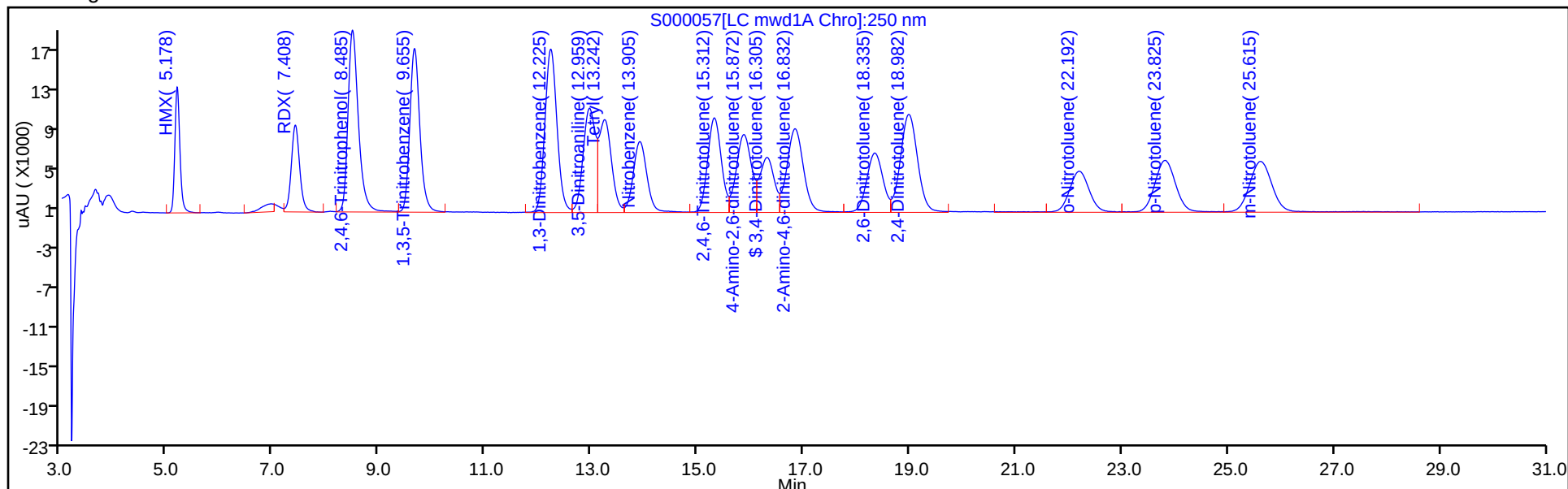
Operator ID: RN

Injection Vol: 500.0 ul

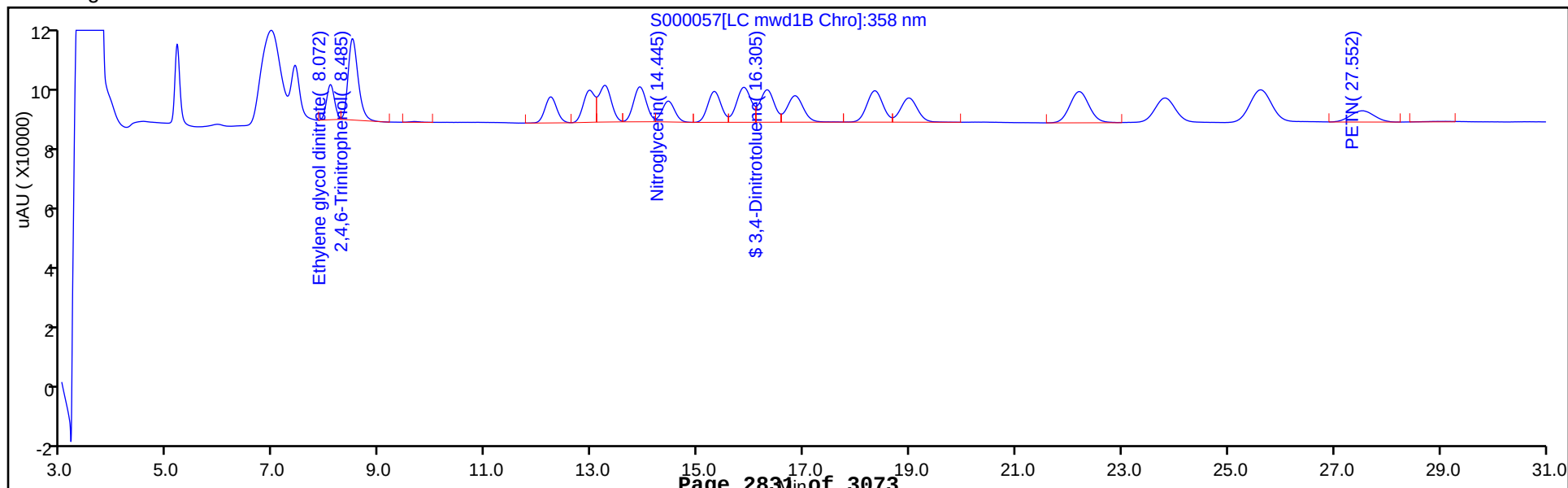
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-22852-1
 SDG No.: _____
 Lab Sample ID: CCV 320-14706/55 Calibration Date: 04/21/2013 10:04
 Instrument ID: LC10 Calib Start Date: 04/19/2013 10:45
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 04/19/2013 15:51
 Lab File ID: S000068.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
HMX	Ave	125.5	125.8		100	100	0.2	20.0
RDX	Ave	90.99	87.36		96.0	100	-4.0	20.0
Ethylene glycol dinitrate	Ave	110.5	113.1		102	100	2.3	20.0
Picric acid	Ave	132.3	103.6		196	250	-21.7*	20.0
1,3,5-Trinitrobenzene	Ave	163.5	163.8		100	100	0.2	20.0
1,3-Dinitrobenzene	Ave	162.2	163.4		101	100	0.7	20.0
3,5-Dinitroaniline	Ave	103.6	103.5		99.8	100	-0.2	20.0
Tetryl	Ave	94.63	91.23		96.4	100	-3.6	20.0
Nitrobenzene	Ave	71.37	71.91		101	100	0.8	20.0
Nitroglycerin	Ave	70.31	64.24		91.4	100	-8.6	20.0
2,4,6-Trinitrotoluene	Ave	95.40	93.96		98.5	100	-1.5	20.0
4-Amino-2,6-dinitrotoluene	Ave	78.37	77.34		98.7	100	-1.3	20.0
2-Amino-4,6-dinitrotoluene	Ave	84.03	83.27		99.1	100	-0.9	20.0
2,6-Dinitrotoluene	Ave	59.83	58.94		98.5	100	-1.5	20.0
2,4-Dinitrotoluene	Ave	98.79	97.74		98.9	100	-1.1	20.0
2-Nitrotoluene	Ave	42.45	41.49		97.7	100	-2.3	20.0
4-Nitrotoluene	Ave	53.10	52.07		98.1	100	-1.9	20.0
3-Nitrotoluene	Ave	52.01	51.37		98.8	100	-1.2	20.0
PETN	Ave	39.35	36.95		93.9	100	-6.1	20.0
3,4-Dinitrotoluene	Ave	57.22	54.53		95.3	100	-4.7	20.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22852-1
 SDG No.: _____
 Lab Sample ID: CCV 320-14706/55 Calibration Date: 04/21/2013 10:04
 Instrument ID: LC10 Calib Start Date: 04/19/2013 10:45
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 04/19/2013 15:51
 Lab File ID: S000068.D

Analyte	RT	RT WINDOW	
		FROM	TO
HMX	5.19	4.94	5.44
RDX	7.43	7.18	7.68
Ethylene glycol dinitrate	8.09	7.84	8.34
Picric acid	8.51	8.26	8.76
1,3,5-Trinitrobenzene	9.68	9.43	9.93
1,3-Dinitrobenzene	12.27	12.02	12.52
3,5-Dinitroaniline	13.00	12.75	13.25
Tetryl	13.31	13.06	13.56
Nitrobenzene	13.96	13.71	14.21
Nitroglycerin	14.52	14.27	14.77
2,4,6-Trinitrotoluene	15.38	15.13	15.63
4-Amino-2,6-dinitrotoluene	15.95	15.70	16.20
2-Amino-4,6-dinitrotoluene	16.92	16.67	17.17
2,6-Dinitrotoluene	18.43	18.18	18.68
2,4-Dinitrotoluene	19.07	18.82	19.32
2-Nitrotoluene	22.30	22.05	22.55
4-Nitrotoluene	23.93	23.68	24.18
3-Nitrotoluene	25.74	25.49	25.99
PETN	27.73	27.48	27.98
3,4-Dinitrotoluene	16.40	16.15	16.65

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20130419-4003.b\S000068.D
 Lims ID: CCV 05 Client ID:
 Inject. Date: 21-Apr-2013 10:04:32 Dil. Factor: 1.0000
 Sample Type: CCVRT
 Sample ID: 320-0004003-055
 Misc. Info.:
 Operator: RN Instrument ID: LC10
 Injection Vol: 500.0 ul ALS Bottle#: 4
 Lims Batch ID: 14706 Lims Sample ID: 55
 Sublist: chrom-8330_LC10*sub1
 Method: \\SACChrom\ChromData\LC10\20130419-4003.b\8330_LC10.m
 Last Update: 22-Apr-2013 10:14:05 Calib Date: 19-Apr-2013 15:51:00
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000010.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
 Process Host: XAWRK024

First Level Reviewer: shafern

Date: 22-Apr-2013 10:14:05

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

11 HMX						
1	5.192	5.192	0.0	12576	100.2	
19 RDX						
1	7.429	7.429	0.0	8736	96.0	
3 Ethylene glycol dinitrate						
2	8.092	8.092	0.0	11309	102.3	
10 2,4,6-Trinitrophenol						
2	8.509	8.509	0.0	25898	195.8	
1	8.509	8.509	0.0	18234	197.9	
27 1,3,5-Trinitrobenzene						
1	9.682	9.682	0.0	16380	100.2	
24 1,3-Dinitrobenzene						
1	12.266	12.266	0.0	16341	100.7	
9 3,5-Dinitroaniline						
1	13.003	13.003	0.0	10347	99.8	
20 Tetryl						
1	13.313	13.313	0.0	9123	96.4	
5 Nitrobenzene						
1	13.959	13.959	0.0	7191	100.8	
7 Nitroglycerin						
2	14.516	14.516	0.0	6424	91.4	
25 2,4,6-Trinitrotoluene						
1	15.383	15.383	0.0	9396	98.5	
26 4-Amino-2,6-dinitrotoluene						
1	15.953	15.953	0.0	7734	98.7	
\$ 30 3,4-Dinitrotoluene						
1	16.396	16.396	0.0	5453	95.3	
2	16.396	16.396	0.0	10469	97.7	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
6 2-Amino-4,6-dinitrotoluene						
1	16.916	16.916	0.0	8327	99.1	
12 2,6-Dinitrotoluene						
1	18.426	18.426	0.0	5894	98.5	
23 2,4-Dinitrotoluene						
1	19.069	19.069	0.0	9774	98.9	
16 o-Nitrotoluene						
1	22.299	22.299	0.0	4149	97.7	
15 p-Nitrotoluene						
1	23.933	23.933	0.0	5207	98.1	
8 m-Nitrotoluene						
1	25.739	25.739	0.0	5137	98.8	
21 PETN						
2	27.733	27.733	0.0	3695	93.9	

Report Date: 22-Apr-2013 10:14:06

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

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130419-4003.b\S000068.D

Injection Date: 21-Apr-2013 10:04:32

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 14706

Lims Sample ID: 55

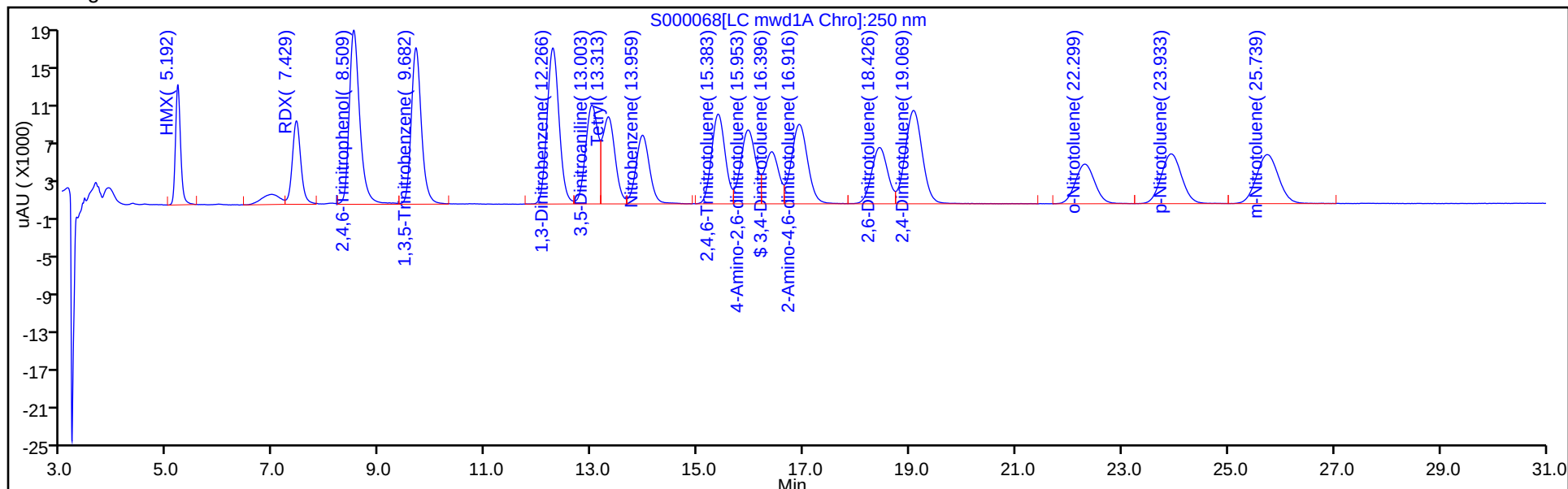
Operator ID: RN

Injection Vol: 500.0 ul

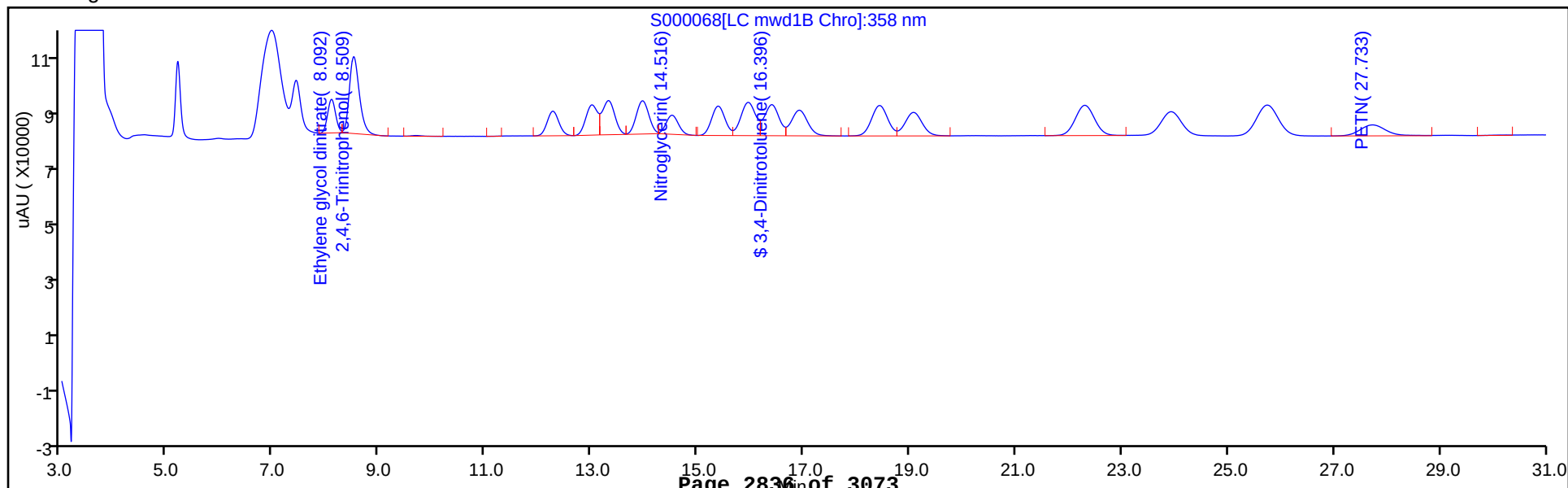
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-22852-1
 SDG No.: _____
 Lab Sample ID: CCVL 320-14706/56 Calibration Date: 04/21/2013 10:48
 Instrument ID: LC10 Calib Start Date: 04/19/2013 10:45
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 04/19/2013 15:51
 Lab File ID: S000069.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
HMX	Ave	125.5	180.2		7.18	5.00	43.6*	30.0
RDX	Ave	90.99	138.2		7.59	5.00	51.9*	30.0
1,3,5-Trinitrobenzene	Ave	163.5	236.8		7.24	5.00	44.8*	30.0
1,3-Dinitrobenzene	Ave	162.2	233.8		7.21	5.00	44.1*	30.0
3,5-Dinitroaniline	Ave	103.6	150.4		7.26	5.00	45.1*	30.0
Tetryl	Ave	94.63	130.0		6.87	5.00	37.4*	30.0
Nitrobenzene	Ave	71.37	94.40		6.61	5.00	32.3*	30.0
Nitroglycerin	Ave	70.31	73.85		21.0	20.0	5.0	30.0
2,4,6-Trinitrotoluene	Ave	95.40	134.0		7.02	5.00	40.5*	30.0
4-Amino-2,6-dinitrotoluene	Ave	78.37	115.0		7.34	5.00	46.7*	30.0
2-Amino-4,6-dinitrotoluene	Ave	84.03	122.4		7.28	5.00	45.7*	30.0
2,6-Dinitrotoluene	Ave	59.83	90.00		7.52	5.00	50.4*	30.0
2,4-Dinitrotoluene	Ave	98.79	145.4		7.36	5.00	47.2*	30.0
2-Nitrotoluene	Ave	42.45	60.60		7.14	5.00	42.8*	30.0
4-Nitrotoluene	Ave	53.10	74.60		7.02	5.00	40.5*	30.0
3-Nitrotoluene	Ave	52.01	72.80		7.00	5.00	40.0*	30.0
PETN	Ave	39.35	43.10		21.9	20.0	9.5	30.0
3,4-Dinitrotoluene	Ave	57.22	55.75		19.5	20.0	-2.6	30.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22852-1
 SDG No.: _____
 Lab Sample ID: CCVL 320-14706/56 Calibration Date: 04/21/2013 10:48
 Instrument ID: LC10 Calib Start Date: 04/19/2013 10:45
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 04/19/2013 15:51
 Lab File ID: S000069.D

Analyte	RT	RT WINDOW	
		FROM	TO
HMX	5.19	4.94	5.44
RDX	7.41	7.16	7.66
1,3,5-Trinitrobenzene	9.68	9.43	9.93
1,3-Dinitrobenzene	12.26	12.01	12.51
3,5-Dinitroaniline	13.01	12.76	13.26
Tetryl	13.31	13.06	13.56
Nitrobenzene	13.95	13.70	14.20
Nitroglycerin	14.51	14.26	14.76
2,4,6-Trinitrotoluene	15.38	15.13	15.63
4-Amino-2,6-dinitrotoluene	15.94	15.69	16.19
2-Amino-4,6-dinitrotoluene	16.91	16.66	17.16
2,6-Dinitrotoluene	18.46	18.21	18.71
2,4-Dinitrotoluene	19.09	18.84	19.34
2-Nitrotoluene	22.34	22.09	22.59
4-Nitrotoluene	23.97	23.72	24.22
3-Nitrotoluene	25.79	25.54	26.04
PETN	27.77	27.52	28.02
3,4-Dinitrotoluene	16.40	16.15	16.65

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20130419-4003.b\S000069.D
 Lims ID: CCVL Client ID:
 Inject. Date: 21-Apr-2013 10:48:11 Dil. Factor: 1.0000
 Sample Type: CCVL
 Sample ID: 320-0004003-056
 Misc. Info.:
 Operator: RN Instrument ID: LC10
 Injection Vol: 500.0 ul ALS Bottle#: 7
 Lims Batch ID: 14706 Lims Sample ID: 56
 Sublist: chrom-8330_LC10*sub2
 Method: \\SACChrom\ChromData\LC10\20130419-4003.b\8330_LC10.m
 Last Update: 22-Apr-2013 10:14:20 Calib Date: 19-Apr-2013 15:51:00
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000010.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
 Process Host: XAWRK024

First Level Reviewer: shafern

Date: 22-Apr-2013 10:14:20

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

11 HMX
 1 5.188 5.188 0.0 901 7.18
 19 RDX
 1 7.411 7.411 0.0 691 7.59
 27 1,3,5-Trinitrobenzene
 1 9.678 9.678 0.0 1184 7.24
 24 1,3-Dinitrobenzene
 1 12.258 12.258 0.0 1169 7.21
 9 3,5-Dinitroaniline
 1 13.012 13.012 0.0 752 7.26
 20 Tetryl
 1 13.305 13.305 0.0 650 6.87
 5 Nitrobenzene
 1 13.948 13.948 0.0 472 6.61
 7 Nitroglycerin
 2 14.512 14.512 0.0 1477 21.0
 25 2,4,6-Trinitrotoluene
 1 15.378 15.378 0.0 670 7.02
 26 4-Amino-2,6-dinitrotoluene
 1 15.942 15.942 0.0 575 7.34
 \$ 30 3,4-Dinitrotoluene
 1 16.402 16.402 0.0 1115 19.5
 2 16.402 16.402 0.0 2276 21.2
 6 2-Amino-4,6-dinitrotoluene
 1 16.908 16.908 0.0 612 7.28
 12 2,6-Dinitrotoluene
 1 18.455 18.455 0.0 450 7.52

Data File: \\SACChrom\ChromData\LC10\20130419-4003.b\S000069.D

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
23 2,4-Dinitrotoluene						
1	19.088	19.088	0.0	727	7.36	
16 o-Nitrotoluene						
1	22.338	22.338	0.0	303	7.14	
15 p-Nitrotoluene						
1	23.968	23.968	0.0	373	7.02	
8 m-Nitrotoluene						
1	25.785	25.785	0.0	364	7.00	
21 PETN						
2	27.768	27.768	0.0	862	21.9	

Report Date: 22-Apr-2013 10:14:21

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

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130419-4003.b\S000069.D

Injection Date: 21-Apr-2013 10:48:11

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 14706

Lims Sample ID: 56

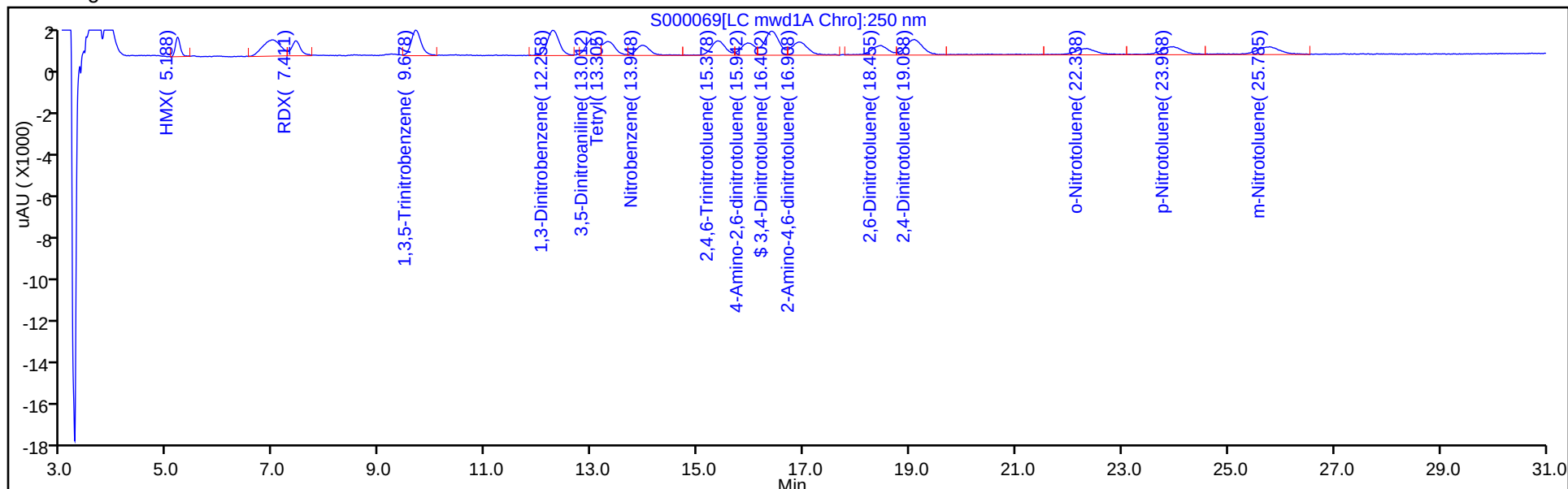
Operator ID: RN

Injection Vol: 500.0 ul

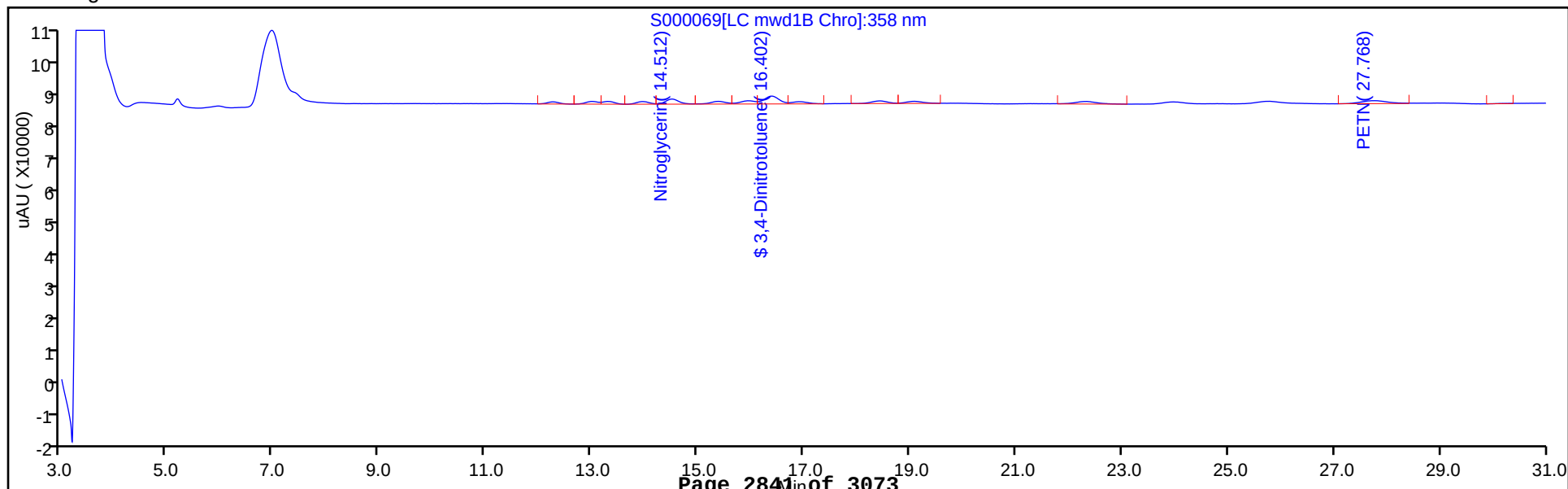
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-22852-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 320-14603/1-A

Matrix: Solid Lab File ID: S000055.D

Analysis Method: 8330B Date Collected: _____

Extraction Method: 8330B Date Extracted: 04/18/2013 09:19

Sample wt/vol: 10.00(g) Date Analyzed: 04/21/2013 00:36

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

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

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

Analysis Batch No.: 14706 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	89		78-118

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20130419-4003.b\S000055.D
Lims ID: MB 320-14603/1-A Client ID:
Inject. Date: 21-Apr-2013 00:36:29 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: 320-0004003-042
Misc. Info.:
Operator: RN Instrument ID: LC10
Injection Vol: 500.0 ul ALS Bottle#: 58
Lims Batch ID: 14706 Lims Sample ID: 42
Method: \\SACChrom\ChromData\LC10\20130419-4003.b\8330_LC10.m
Last Update: 22-Apr-2013 09:55:16 Calib Date: 19-Apr-2013 15:51:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000010.D
Limit Group: LC 8330B ICAL
Integrator: Falcon
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
Process Host: XAWRK024

First Level Reviewer: shafern

Date: 22-Apr-2013 09:18:40

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

\$ 30 3,4-Dinitrotoluene

1	16.323	16.281	0.042	3198	55.9	
2	16.319	16.284	0.035	6169	57.6	

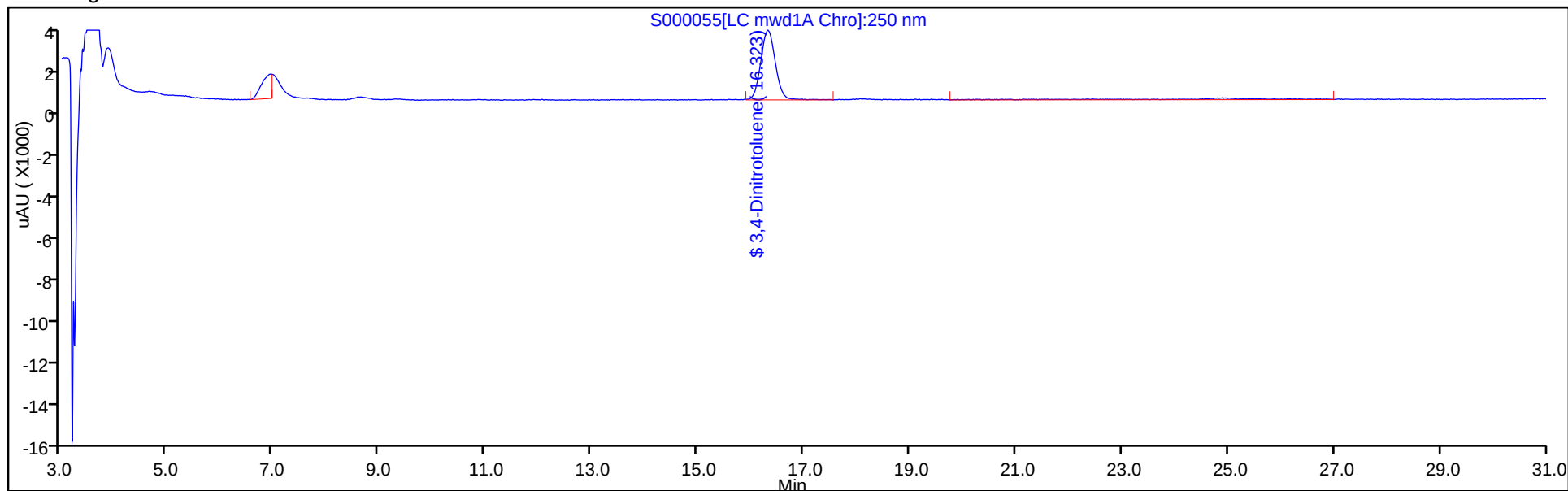
Report Date: 22-Apr-2013 09:55:17

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

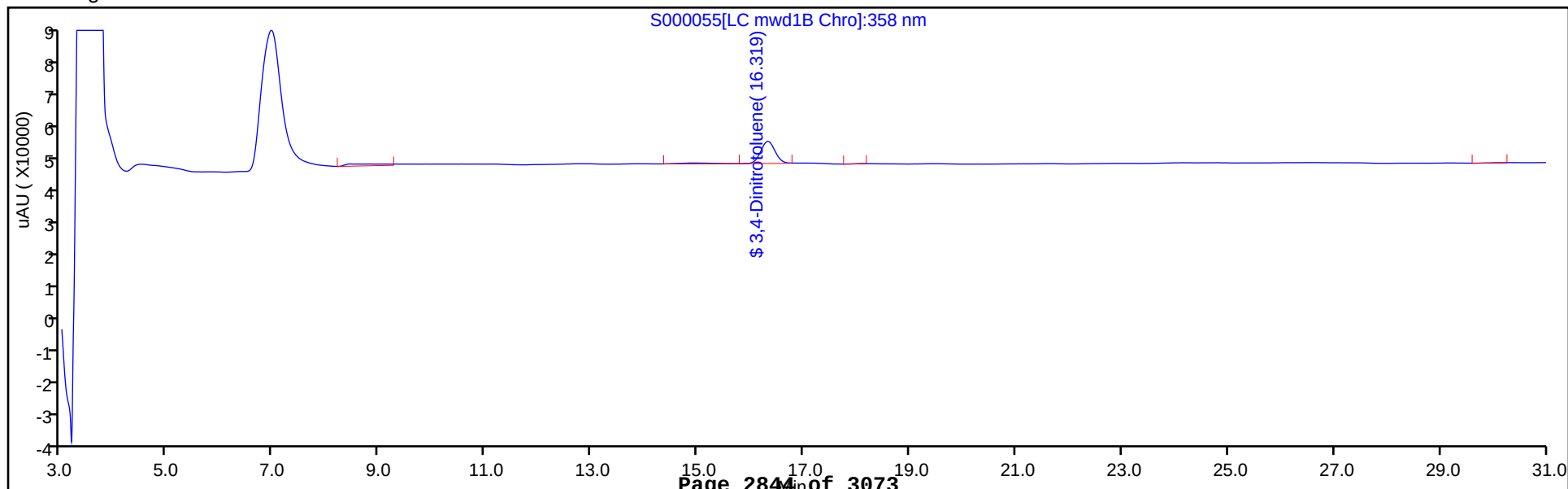
TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130419-4003.b\S000055.D
Injection Date: 21-Apr-2013 00:36:29 Limit Group: LC 8330B ICAL
Client ID: Instrument ID: LC10
Lims Batch ID: 14706 Lims Sample ID: 42
Operator ID: RN Injection Vol: 500.0 ul
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-22852-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 320-14603/2-A
 Matrix: Solid Lab File ID: S000056.D
 Analysis Method: 8330B Date Collected: _____
 Extraction Method: 8330B Date Extracted: 04/18/2013 09:19
 Sample wt/vol: 10.00(g) Date Analyzed: 04/21/2013 01:20
 Con. Extract Vol.: 80(mL) Dilution Factor: 1
 Injection Volume: 500(uL) GC Column: Synergi C18 ID: 4.6(mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 14706 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
35572-78-2	2-Amino-4,6-dinitrotoluene	0.485		0.25	0.050	0.013
19406-51-0	4-Amino-2,6-dinitrotoluene	0.496		0.25	0.050	0.010
99-65-0	1,3-Dinitrobenzene	0.497		0.25	0.050	0.0042
121-14-2	2,4-Dinitrotoluene	0.483		0.25	0.050	0.0053
606-20-2	2,6-Dinitrotoluene	0.480		0.25	0.050	0.0073
2691-41-0	HMX	0.499		0.25	0.050	0.012
98-95-3	Nitrobenzene	0.495		0.25	0.050	0.018
55-63-0	Nitroglycerin	0.967		0.50	0.25	0.015
88-72-2	2-Nitrotoluene	0.478		0.25	0.050	0.013
99-08-1	3-Nitrotoluene	0.485		0.25	0.050	0.016
99-99-0	4-Nitrotoluene	0.478		0.25	0.050	0.018
78-11-5	PETN	0.884		0.50	0.25	0.025
121-82-4	RDX	0.481		0.25	0.050	0.012
479-45-8	Tetryl	0.424		0.25	0.050	0.010
99-35-4	1,3,5-Trinitrobenzene	0.494		0.25	0.050	0.010
118-96-7	2,4,6-Trinitrotoluene	0.433		0.25	0.050	0.019

CAS NO.	SURROGATE	%REC	Q	LIMITS
610-39-9	3,4-Dinitrotoluene	93		78-118

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20130419-4003.b\S000056.D
 Lims ID: LCS 320-14603/2-A Client ID:
 Inject. Date: 21-Apr-2013 01:20:12 Dil. Factor: 1.0000
 Sample Type: LCS
 Sample ID: 320-0004003-043
 Misc. Info.:
 Operator: RN Instrument ID: LC10
 Injection Vol: 500.0 ul ALS Bottle#: 59
 Lims Batch ID: 14706 Lims Sample ID: 43
 Method: \\SACChrom\ChromData\LC10\20130419-4003.b\8330_LC10.m
 Last Update: 22-Apr-2013 09:55:16 Calib Date: 19-Apr-2013 15:51:00
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000010.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
 Process Host: XAWRK024

First Level Reviewer: shafern

Date:

22-Apr-2013 09:19:42

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	5.182	5.181	0.001	7832	62.4	
19 RDX						
1	7.415	7.397	0.018	5475	60.2	
27 1,3,5-Trinitrobenzene						
1	9.665	9.651	0.014	10105	61.8	
24 1,3-Dinitrobenzene						
1	12.245	12.227	0.018	10081	62.1	
9 3,5-Dinitroaniline						
1	12.978	12.954	0.024	6430	62.0	
20 Tetryl						
1	13.258	13.211	0.047	5012	53.0	
5 Nitrobenzene						
1	13.925	13.884	0.041	4416	61.9	
7 Nitroglycerin						
2	14.462	14.424	0.038	8495	120.8	
25 2,4,6-Trinitrotoluene						
1	15.335	15.294	0.041	5162	54.1	
26 4-Amino-2,6-dinitrotoluene						
1	15.905	15.841	0.064	4857	62.0	
\$ 30 3,4-Dinitrotoluene						
1	16.328	16.281	0.047	3309	57.8	
2	16.332	16.284	0.048	6310	58.9	
6 2-Amino-4,6-dinitrotoluene						
1	16.862	16.807	0.055	5097	60.7	
12 2,6-Dinitrotoluene						
1	18.368	18.314	0.054	3591	60.0	
23 2,4-Dinitrotoluene						
1	19.008	18.957	0.051	5960	60.3	

Data File: \\SACChrom\ChromData\LC10\20130419-4003.b\S000056.D

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

16 o-Nitrotoluene

1 22.218 22.131 0.087 2538 59.8

15 p-Nitrotoluene

1 23.842 23.731 0.111 3176 59.8

8 m-Nitrotoluene

1 25.652 25.557 0.095 3154 60.6

21 PETN

2 27.562 27.491 0.071 4348 110.5

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130419-4003.b\S000056.D

Injection Date: 21-Apr-2013 01:20:12

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 14706

Lims Sample ID: 43

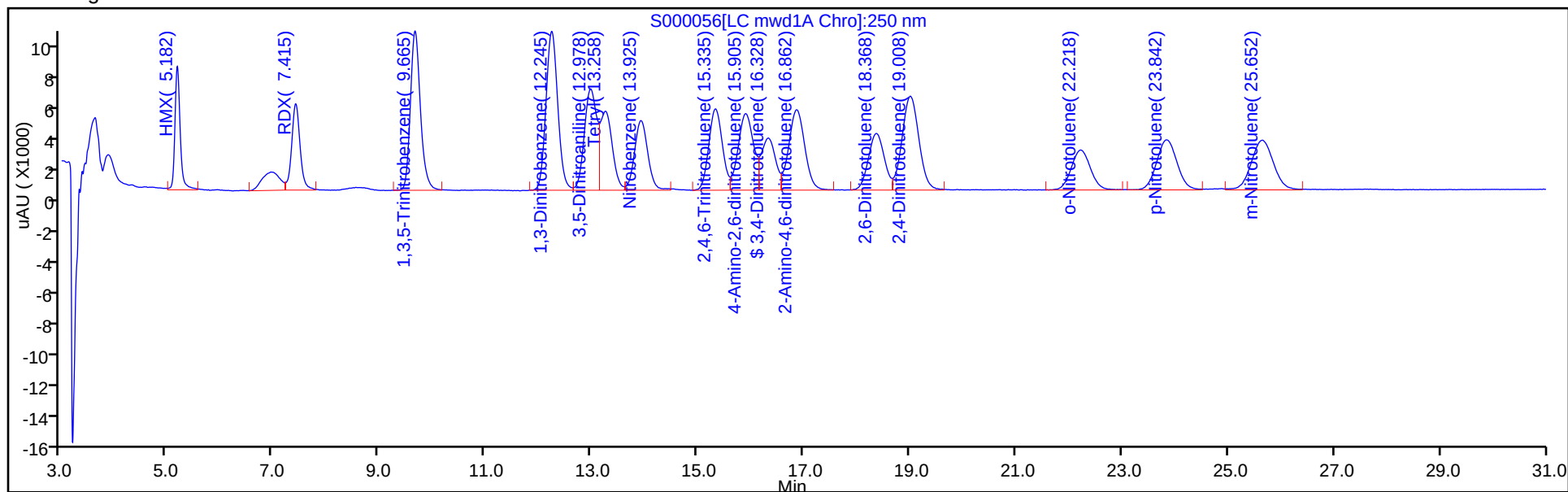
Operator ID: RN

Injection Vol: 500.0 ul

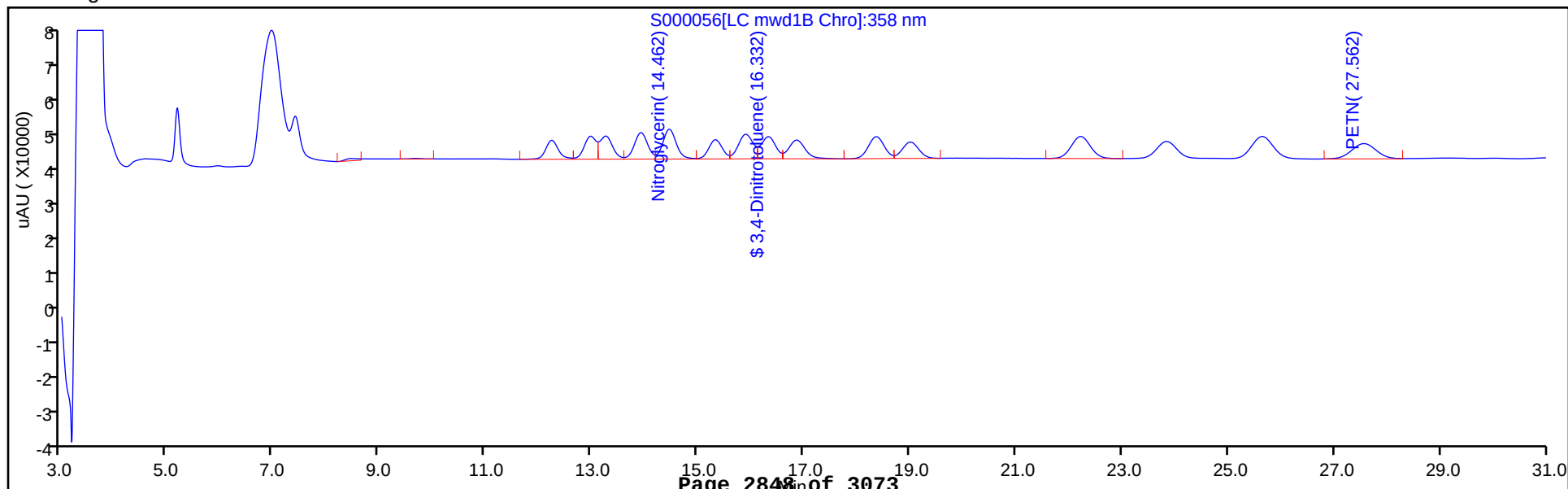
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-22852-1

SDG No.: _____

Client Sample ID: 068SB-0060M-0001,0002-SO Lab Sample ID: 240-22852-1 MS

Matrix: Solid Lab File ID: S000059.D

Analysis Method: 8330B Date Collected: 04/04/2013 14:10

Extraction Method: 8330B Date Extracted: 04/18/2013 09:19

Sample wt/vol: 10.00(g) Date Analyzed: 04/21/2013 03:31

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

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

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

Analysis Batch No.: 14706 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
35572-78-2	2-Amino-4,6-dinitrotoluene	0.488		0.25	0.050	0.013
19406-51-0	4-Amino-2,6-dinitrotoluene	0.494		0.25	0.050	0.010
99-65-0	1,3-Dinitrobenzene	0.501		0.25	0.050	0.0042
121-14-2	2,4-Dinitrotoluene	0.486		0.25	0.050	0.0053
606-20-2	2,6-Dinitrotoluene	0.489		0.25	0.050	0.0073
2691-41-0	HMX	0.487		0.25	0.050	0.012
98-95-3	Nitrobenzene	0.501		0.25	0.050	0.018
55-63-0	Nitroglycerin	0.918		0.50	0.25	0.015
88-72-2	2-Nitrotoluene	0.479		0.25	0.050	0.013
99-08-1	3-Nitrotoluene	0.486	M	0.25	0.050	0.016
99-99-0	4-Nitrotoluene	0.481		0.25	0.050	0.018
78-11-5	PETN	0.895		0.50	0.25	0.025
121-82-4	RDX	0.458		0.25	0.050	0.012
479-45-8	Tetryl	0.434		0.25	0.050	0.010
99-35-4	1,3,5-Trinitrobenzene	0.502		0.25	0.050	0.010
118-96-7	2,4,6-Trinitrotoluene	0.441		0.25	0.050	0.019

CAS NO.	SURROGATE	%REC	Q	LIMITS
610-39-9	3,4-Dinitrotoluene	95		78-118

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20130419-4003.b\S000059.D
 Lims ID: 240-22852-G-1-B MS Client ID: 068SB-0060M-0001,0002-SO
 Inject. Date: 21-Apr-2013 03:31:02 Dil. Factor: 1.0000
 Sample Type: MS
 Sample ID: 320-0004003-046
 Misc. Info.:
 Operator: RN Instrument ID: LC10
 Injection Vol: 500.0 ul ALS Bottle#: 61
 Lims Batch ID: 14706 Lims Sample ID: 46
 Method: \\SACChrom\ChromData\LC10\20130419-4003.b\8330_LC10.m
 Last Update: 22-Apr-2013 09:54:09 Calib Date: 19-Apr-2013 15:51:00
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000010.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
 Process Host: XAWRK024

First Level Reviewer: shafern

Date:

22-Apr-2013 09:22:06

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	5.184	5.178	0.006	7639	60.9	
19 RDX						
1	7.414	7.408	0.006	5207	57.2	
27 1,3,5-Trinitrobenzene						
1	9.660	9.655	0.005	10259	62.7	
24 1,3-Dinitrobenzene						
1	12.237	12.225	0.012	10166	62.7	
9 3,5-Dinitroaniline						
1	12.974	12.959	0.015	6421	62.0	
20 Tetryl						
1	13.254	13.242	0.012	5136	54.3	
5 Nitrobenzene						
1	13.921	13.905	0.016	4470	62.6	
7 Nitroglycerin						
2	14.454	14.445	0.009	8070	114.8	
25 2,4,6-Trinitrotoluene						
1	15.324	15.312	0.012	5264	55.2	
26 4-Amino-2,6-dinitrotoluene						
1	15.897	15.872	0.025	4840	61.8	
\$ 30 3,4-Dinitrotoluene						
1	16.317	16.305	0.012	3393	59.3	
2	16.317	16.305	0.012	6422	59.9	
6 2-Amino-4,6-dinitrotoluene						
1	16.857	16.832	0.025	5122	61.0	
12 2,6-Dinitrotoluene						
1	18.361	18.335	0.026	3656	61.1	
23 2,4-Dinitrotoluene						
1	19.004	18.982	0.022	6007	60.8	

Data File: \\SACChrom\ChromData\LC10\20130419-4003.b\S000059.D

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
16 o-Nitrotoluene						
1	22.231	22.192	0.039	2539	59.8	
15 p-Nitrotoluene						
1	23.857	23.825	0.032	3190	60.1	
8 m-Nitrotoluene						
1	25.661	25.615	0.046	3157	60.7	M
21 PETN						
2	27.571	27.552	0.019	4400	111.8	

QC Flag Legend

Review Flags

M - Manually Integrated

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130419-4003.b\S000059.D

Injection Date: 21-Apr-2013 03:31:02

Limit Group: LC 8330B ICAL

Client ID: 068SB-0060M-0001,0002-SO

Instrument ID: LC10

Lims Batch ID: 14706

Lims Sample ID: 46

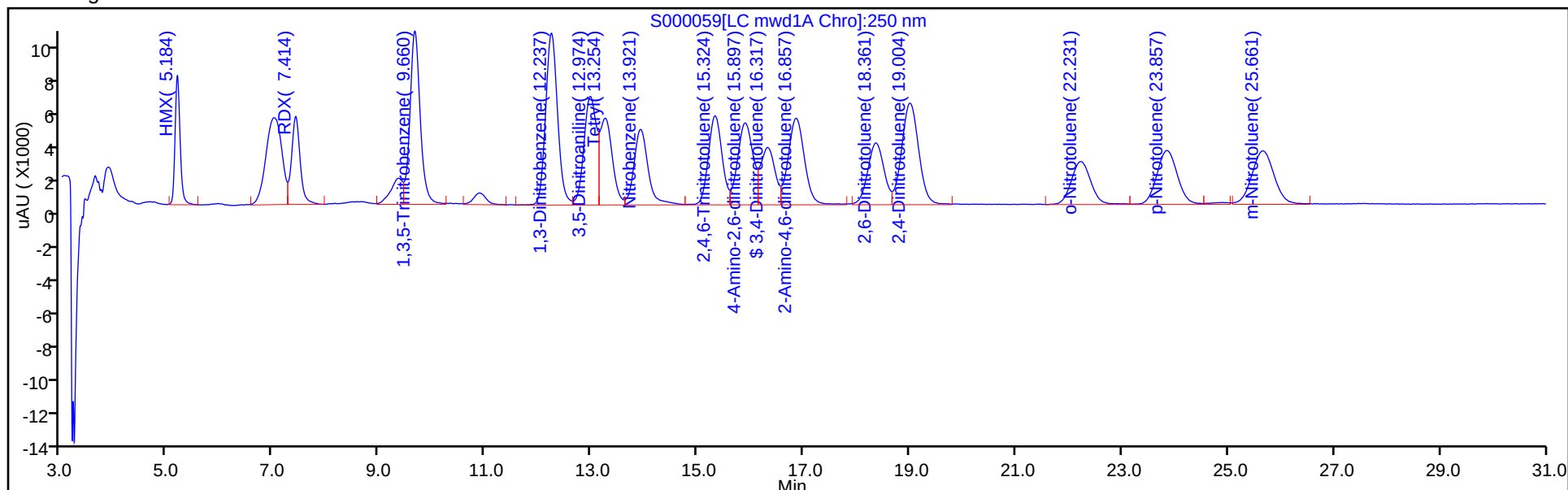
Operator ID: RN

Injection Vol: 500.0 ul

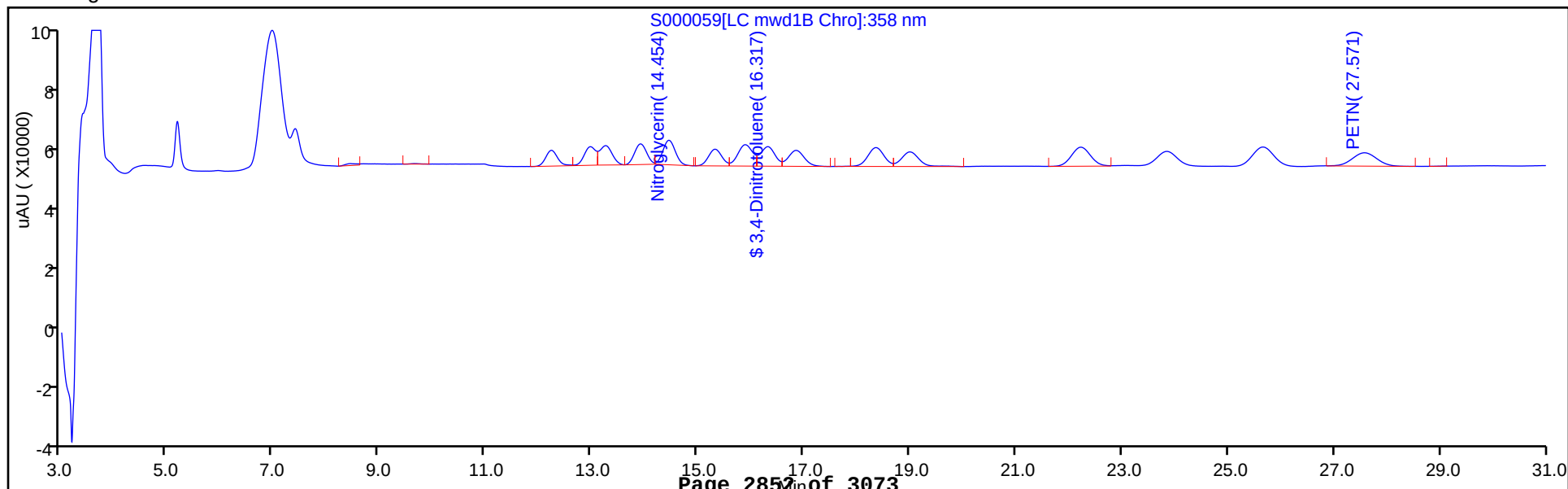
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



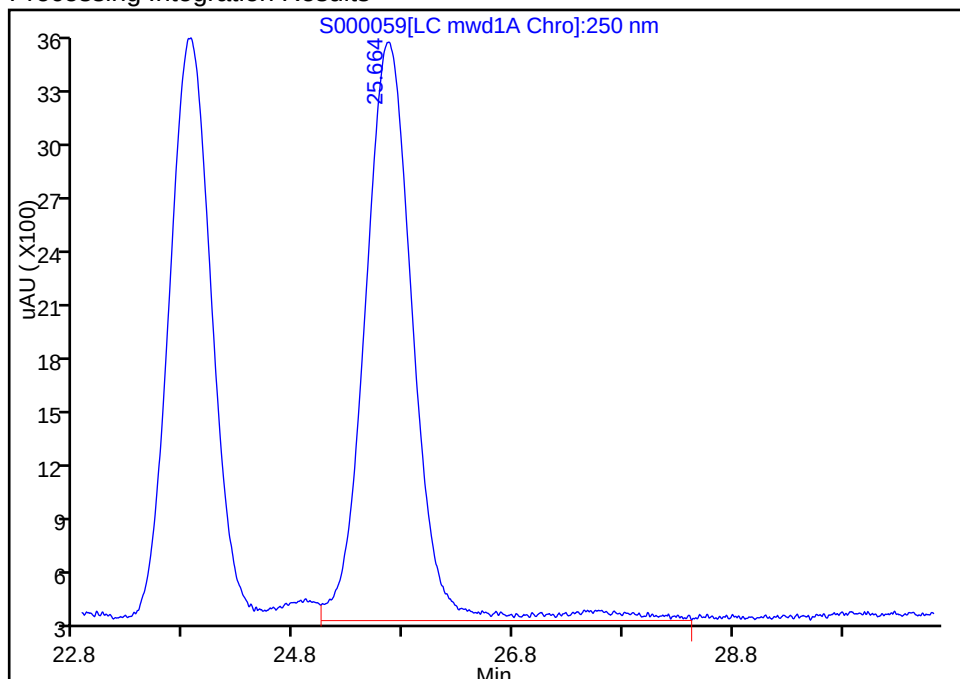
TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130419-4003.b\S000059.D
Injection Date: 21-Apr-2013 03:31:02 Limit Group: LC 8330B ICAL
Client ID: 068SB-0060M-0001,0002-SO Instrument ID: LC10
Lims Batch ID: 14706 Lims Sample ID: 46
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: 25.62, Det: LC mwd1A

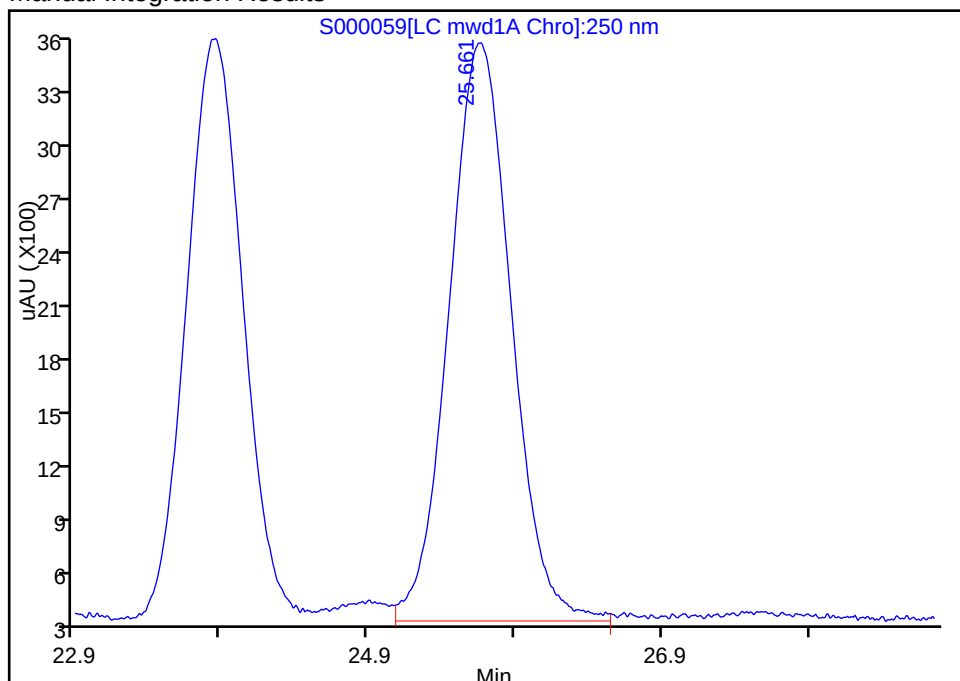
RT: 25.66
Response: 3162
Amount: 60.808193

Processing Integration Results



RT: 25.66
Response: 3157
Amount: 60.697385

Manual Integration Results



Reviewer: shafern, 22-Apr-2013 09:22:06
Audit Action: Manually Integrated
Audit Reason: Baseline

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-22852-1

SDG No.: _____

Client Sample ID: 068SB-0060M-0001,0002-SO Lab Sample ID: 240-22852-1 MSD

Matrix: Solid Lab File ID: S000060.D

Analysis Method: 8330B Date Collected: 04/04/2013 14:10

Extraction Method: 8330B Date Extracted: 04/18/2013 09:19

Sample wt/vol: 10.04(g) Date Analyzed: 04/21/2013 04:14

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

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

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

Analysis Batch No.: 14706 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
35572-78-2	2-Amino-4,6-dinitrotoluene	0.481		0.25	0.050	0.012
19406-51-0	4-Amino-2,6-dinitrotoluene	0.486		0.25	0.050	0.010
99-65-0	1,3-Dinitrobenzene	0.498		0.25	0.050	0.0042
121-14-2	2,4-Dinitrotoluene	0.482		0.25	0.050	0.0053
606-20-2	2,6-Dinitrotoluene	0.483		0.25	0.050	0.0073
2691-41-0	HMX	0.485		0.25	0.050	0.012
98-95-3	Nitrobenzene	0.499		0.25	0.050	0.018
55-63-0	Nitroglycerin	0.897		0.50	0.25	0.015
88-72-2	2-Nitrotoluene	0.477		0.25	0.050	0.013
99-08-1	3-Nitrotoluene	0.482	M	0.25	0.050	0.015
99-99-0	4-Nitrotoluene	0.479		0.25	0.050	0.018
78-11-5	PETN	0.885		0.50	0.25	0.025
121-82-4	RDX	0.455		0.25	0.050	0.012
479-45-8	Tetryl	0.430		0.25	0.050	0.010
99-35-4	1,3,5-Trinitrobenzene	0.499		0.25	0.050	0.010
118-96-7	2,4,6-Trinitrotoluene	0.435		0.25	0.050	0.019

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

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20130419-4003.b\S000060.D
 Lims ID: 240-22852-G-1-C MSD Client ID: 068SB-0060M-0001,0002-SO
 Inject. Date: 21-Apr-2013 04:14:47 Dil. Factor: 1.0000
 Sample Type: MSD
 Sample ID: 320-0004003-047
 Misc. Info.:
 Operator: RN Instrument ID: LC10
 Injection Vol: 500.0 ul ALS Bottle#: 62
 Lims Batch ID: 14706 Lims Sample ID: 47
 Method: \\SACChrom\ChromData\LC10\20130419-4003.b\8330_LC10.m
 Last Update: 22-Apr-2013 09:54:09 Calib Date: 19-Apr-2013 15:51:00
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000010.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
 Process Host: XAWRK024

First Level Reviewer: shafern

Date:

22-Apr-2013 09:23:58

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	5.181	5.178	0.003	7641	60.9	
19 RDX						
1	7.411	7.408	0.003	5194	57.1	
27 1,3,5-Trinitrobenzene						
1	9.664	9.655	0.009	10234	62.6	
24 1,3-Dinitrobenzene						
1	12.248	12.225	0.023	10136	62.5	
9 3,5-Dinitroaniline						
1	12.988	12.959	0.029	6394	61.7	
20 Tetryl						
1	13.261	13.242	0.019	5106	54.0	
5 Nitrobenzene						
1	13.931	13.905	0.026	4467	62.6	
7 Nitroglycerin						
2	14.461	14.445	0.016	7919	112.6	
25 2,4,6-Trinitrotoluene						
1	15.335	15.312	0.023	5206	54.6	
26 4-Amino-2,6-dinitrotoluene						
1	15.901	15.872	0.029	4779	61.0	
\$ 30 3,4-Dinitrotoluene						
1	16.331	16.305	0.026	3367	58.8	
2	16.331	16.305	0.026	6434	60.0	
6 2-Amino-4,6-dinitrotoluene						
1	16.868	16.832	0.036	5068	60.3	
12 2,6-Dinitrotoluene						
1	18.365	18.335	0.030	3626	60.6	
23 2,4-Dinitrotoluene						
1	19.008	18.982	0.026	5981	60.5	

Data File: \\SACChrom\ChromData\LC10\20130419-4003.b\S000060.D

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
16 o-Nitrotoluene						
1	22.218	22.192	0.026	2542	59.9	
15 p-Nitrotoluene						
1	23.845	23.825	0.020	3189	60.1	
8 m-Nitrotoluene						
1	25.628	25.615	0.013	3146	60.5	M
21 PETN						
2	27.545	27.552	-0.007	4370	111.1	

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 22-Apr-2013 09:55:14

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

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130419-4003.b\S000060.D

Injection Date: 21-Apr-2013 04:14:47

Limit Group: LC 8330B ICAL

Client ID: 068SB-0060M-0001,0002-SO

Instrument ID: LC10

Lims Batch ID: 14706

Lims Sample ID: 47

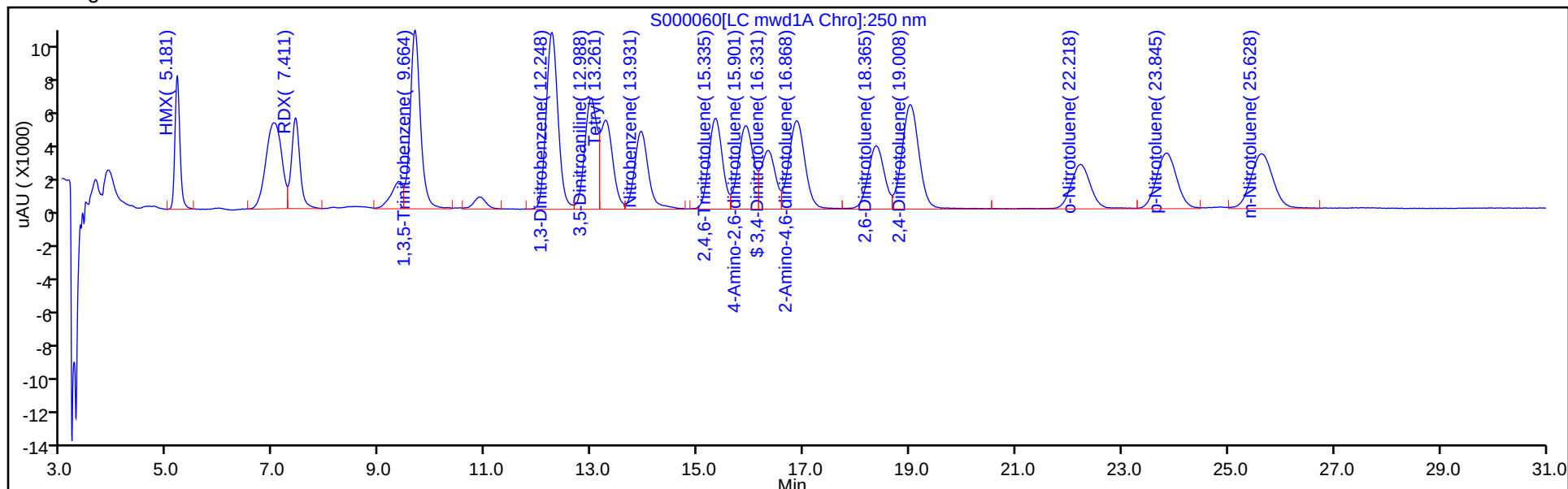
Operator ID: RN

Injection Vol: 500.0 ul

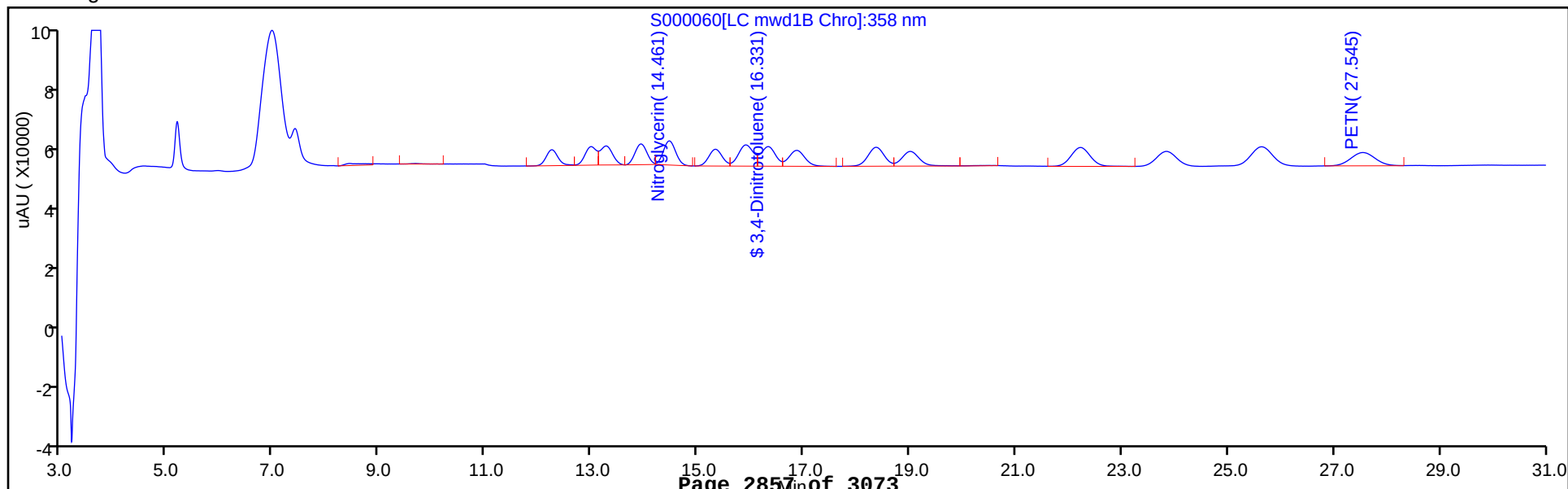
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



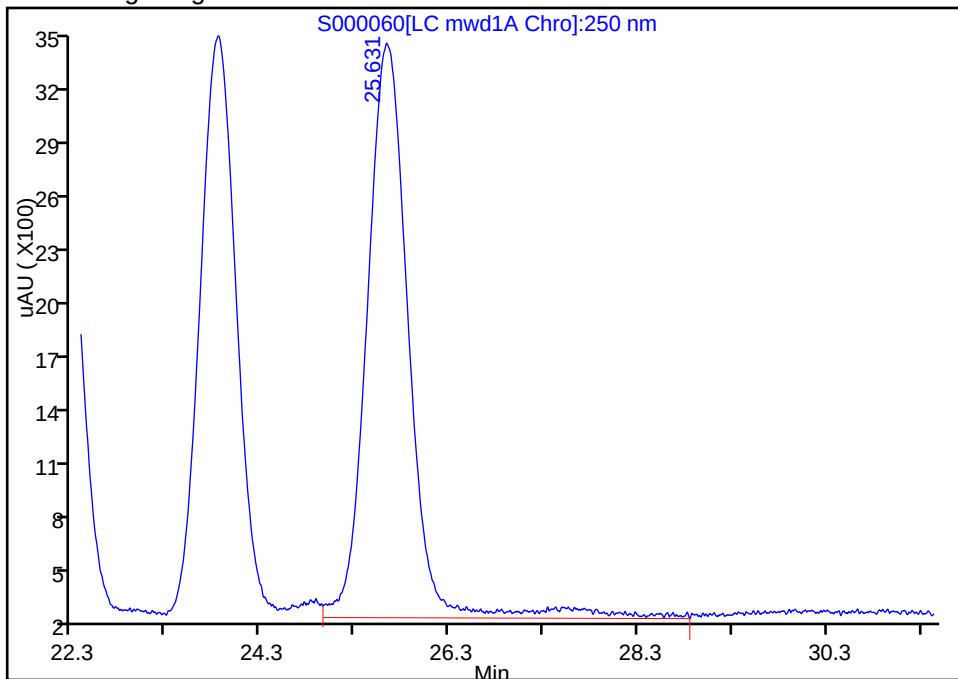
TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130419-4003.b\S000060.D
Injection Date: 21-Apr-2013 04:14:47 Limit Group: LC 8330B ICAL
Client ID: 068SB-0060M-0001,0002-SO Instrument ID: LC10
Lims Batch ID: 14706 Lims Sample ID: 47
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: 25.62, Det: LC mwd1A

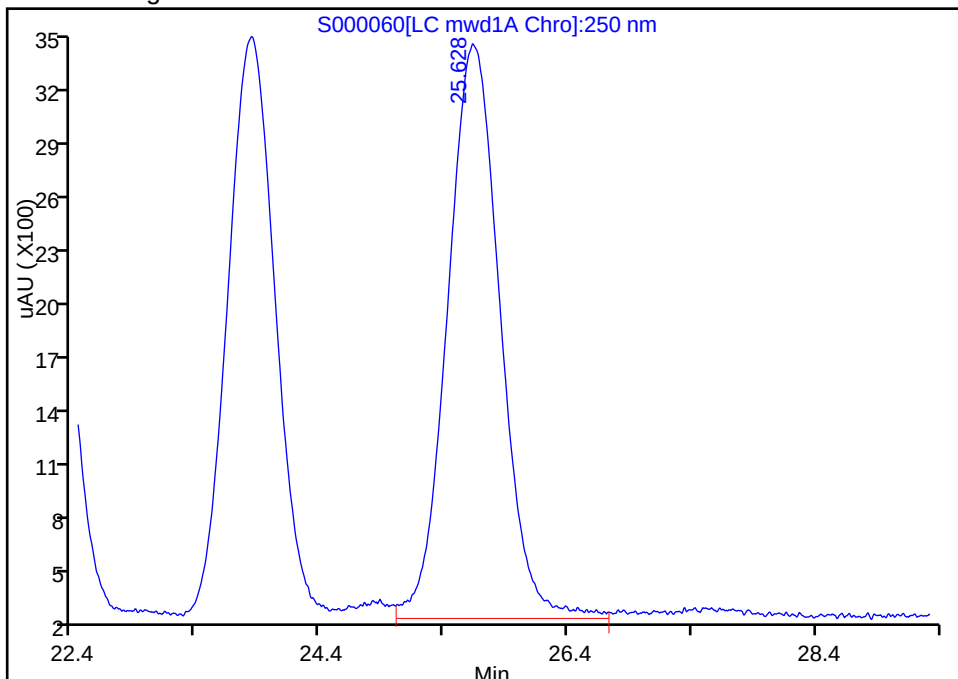
RT: 25.63
Response: 3147
Amount: 60.519730

Processing Integration Results



RT: 25.63
Response: 3146
Amount: 60.485896

Manual Integration Results



Reviewer: shafern, 22-Apr-2013 09:23:58

Audit Action: Manually Integrated

Audit Reason: Baseline

HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica Sacramento Job No.: 240-22852-1

SDG No.: _____

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

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

HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica SacramentoJob No.: 240-22852-1

SDG No.: _____

Instrument ID: LC10Start Date: 04/19/2013 18:45Analysis Batch Number: 14706End Date: 04/22/2013 22:28

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		04/19/2013 18:45	1		Synergi C18 4.6 (mm)
ZZZZZ		04/19/2013 19:29	1		Synergi C18 4.6 (mm)
ZZZZZ		04/19/2013 20:12	1		Synergi C18 4.6 (mm)
ZZZZZ		04/19/2013 20:56	1		Synergi C18 4.6 (mm)
ZZZZZ		04/19/2013 21:40	1		Synergi C18 4.6 (mm)
ZZZZZ		04/19/2013 22:23	1		Synergi C18 4.6 (mm)
ZZZZZ		04/19/2013 23:07	1		Synergi C18 4.6 (mm)
ZZZZZ		04/19/2013 23:51	1		Synergi C18 4.6 (mm)
ZZZZZ		04/20/2013 00:34	1		Synergi C18 4.6 (mm)
ZZZZZ		04/20/2013 01:18	1		Synergi C18 4.6 (mm)
CCV 320-14706/11 CCVRT		04/20/2013 02:02	1		Synergi C18 4.6 (mm)
ZZZZZ		04/20/2013 02:45	1		Synergi C18 4.6 (mm)
ZZZZZ		04/20/2013 03:29	1		Synergi C18 4.6 (mm)
ZZZZZ		04/20/2013 04:13	1		Synergi C18 4.6 (mm)
ZZZZZ		04/20/2013 04:56	1		Synergi C18 4.6 (mm)
ZZZZZ		04/20/2013 05:40	1		Synergi C18 4.6 (mm)
ZZZZZ		04/20/2013 06:24	1		Synergi C18 4.6 (mm)
ZZZZZ		04/20/2013 07:07	1		Synergi C18 4.6 (mm)
CCV 320-14706/22 CCVRT		04/20/2013 10:02	1		Synergi C18 4.6 (mm)
CCV 320-14706/32 CCVRT		04/20/2013 17:19	1	S000045.D	Synergi C18 4.6 (mm)
CCVL 320-14706/33		04/20/2013 18:03	1	S000046.D	Synergi C18 4.6 (mm)
MB 320-14603/1-A		04/21/2013 00:36	1	S000055.D	Synergi C18 4.6 (mm)
LCS 320-14603/2-A		04/21/2013 01:20	1	S000056.D	Synergi C18 4.6 (mm)
CCV 320-14706/44 CCVRT		04/21/2013 02:03	1	S000057.D	Synergi C18 4.6 (mm)
240-22852-1	068SB-0060M-0001,0002 -SO	04/21/2013 02:47	1	S000058.D	Synergi C18 4.6 (mm)
240-22852-1 MS	068SB-0060M-0001,0002 -SO MS	04/21/2013 03:31	1	S000059.D	Synergi C18 4.6 (mm)
240-22852-1 MSD	068SB-0060M-0001,0002 -SO MSD	04/21/2013 04:14	1	S000060.D	Synergi C18 4.6 (mm)
ZZZZZ		04/21/2013 04:58	1		Synergi C18 4.6 (mm)
ZZZZZ		04/21/2013 05:42	1		Synergi C18 4.6 (mm)
ZZZZZ		04/21/2013 06:25	1		Synergi C18 4.6 (mm)
ZZZZZ		04/21/2013 07:09	1		Synergi C18 4.6 (mm)
ZZZZZ		04/21/2013 07:53	1		Synergi C18 4.6 (mm)
ZZZZZ		04/21/2013 08:37	1		Synergi C18 4.6 (mm)
ZZZZZ		04/21/2013 09:20	1		Synergi C18 4.6 (mm)
CCV 320-14706/55 CCVRT		04/21/2013 10:04	1	S000068.D	Synergi C18 4.6 (mm)
CCVL 320-14706/56		04/21/2013 10:48	1	S000069.D	Synergi C18 4.6 (mm)
ZZZZZ		04/21/2013 11:32	1		Synergi C18 4.6 (mm)
ZZZZZ		04/21/2013 12:15	1		Synergi C18 4.6 (mm)
ZZZZZ		04/21/2013 12:59	1		Synergi C18 4.6 (mm)
ZZZZZ		04/21/2013 13:42	1		Synergi C18 4.6 (mm)
ZZZZZ		04/21/2013 14:26	1		Synergi C18 4.6 (mm)

HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica Sacramento Job No.: 240-22852-1

SDG No.: _____

Instrument ID: LC10 Start Date: 04/19/2013 18:45Analysis Batch Number: 14706 End Date: 04/22/2013 22:28

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		04/21/2013 15:10	1		Synergi C18 4.6 (mm)
ZZZZZ		04/21/2013 15:54	1		Synergi C18 4.6 (mm)
ZZZZZ		04/21/2013 16:38	1		Synergi C18 4.6 (mm)
ZZZZZ		04/21/2013 17:21	1		Synergi C18 4.6 (mm)
ZZZZZ		04/21/2013 18:05	1		Synergi C18 4.6 (mm)
CCV 320-14706/67 CCVRT		04/21/2013 18:49	1		Synergi C18 4.6 (mm)
ZZZZZ		04/21/2013 19:33	1		Synergi C18 4.6 (mm)
ZZZZZ		04/21/2013 20:16	1		Synergi C18 4.6 (mm)
ZZZZZ		04/21/2013 21:00	1		Synergi C18 4.6 (mm)
ZZZZZ		04/21/2013 21:43	1		Synergi C18 4.6 (mm)
CCV 320-14706/78 CCVRT		04/22/2013 02:49	1		Synergi C18 4.6 (mm)
CCV 320-14706/89 CCVRT		04/22/2013 10:49	1		Synergi C18 4.6 (mm)
CCV 320-14706/100 CCVRT		04/22/2013 18:50	1		Synergi C18 4.6 (mm)
CCV 320-14706/103 CCVRT		04/22/2013 22:28	1		Synergi C18 4.6 (mm)

HPLC/IC BATCH WORKSHEET

Lab Name: TestAmerica Sacramento Job No.: 240-22852-1

SDG No.: _____

Batch Number: 14603 Batch Start Date: 04/18/13 09:19 Batch Analyst: Arauz, HoracioBatch Method: 8330B Batch End Date: 04/19/13 07:50

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	HP34DNTSU 00013	HP8330SP 00013	HPNGPETNSP 00006	
MB 320-14603/1		8330B, 8330B		10.00 g	80 mL	100 uL			
LCS 320-14603/2		8330B, 8330B		10.00 g	80 mL	100 uL	100 uL	200 uL	
240-22852-G-1	068SB-0060M-0001 ,0002-SO	8330B, 8330B	T	10.09 g	80 mL	100 uL			
240-22852-G-1 MS	068SB-0060M-0001 ,0002-SO	8330B, 8330B	T	10.00 g	80 mL	100 uL	100 uL	200 uL	
240-22852-G-1 MSD	068SB-0060M-0001 ,0002-SO	8330B, 8330B	T	10.04 g	80 mL	100 uL	100 uL	200 uL	

Batch Notes	
Balance ID	QA-070
Calcium Chloride Reagent ID	4515-027C
Person's name who did the concentration	GB
Date of Clean up	4/19/13
Analyst performed Clean Up	GB
Date Dilution Performed	4/19/13
Analyst performing Dilution	GB
Filter Lot #	R2SA72748
Filter Type	.45um Millipore
Minumum Temperature	11
Person's name who witnessed reagent drop	GB
Blank Sand Lot #	Fisher 120571
Solvent Lot #	4515-027D
Solvent Name	0.1% HOAC/ACN
Sonication Start Time	4-18-13 /
Sonication Stop Time	4-19-13 /
SOP Number	WS-LC-0009
Maximum Temperature	33

Basis	Basis Description
T	Total/NA

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

METALS

COVER PAGE
METALS

Lab Name: TestAmerica Canton Job Number: 240-22852-1

SDG No.: _____

Project: RVAAP - ECC

Client Sample ID

068SB-0060M-0001,0002-SO

068SB-0061M-0001-SO

Lab Sample ID

240-22852-1

240-22852-2

Comments:

COVER PAGE
METALS

Lab Name: TestAmerica Pittsburgh Job Number: 240-22852-1

SDG No.: _____

Project: RVAAP - ECC

Client Sample ID

068SB-0060M-0001,0002-SO

068SB-0061M-0001-SO

Lab Sample ID

240-22852-1

240-22852-2

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 068SB-0060M-0001,0002-SO Lab Sample ID: 240-22852-1
Lab Name: TestAmerica Canton Job No.: 240-22852-1
SDG ID.:
Matrix: Solid Date Sampled: 04/04/2013 14:10
Reporting Basis: WET Date Received: 04/04/2013 17:31

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Mercury	0.030	0.11	0.037	0.016	mg/Kg	J		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 068SB-0061M-0001-SO

Lab Sample ID: 240-22852-2

Lab Name: TestAmerica Canton

Job No.: 240-22852-1

SDG ID.:

Matrix: Solid

Date Sampled: 04/04/2013 14:10

Reporting Basis: WET

Date Received: 04/04/2013 17:31

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Mercury	0.032	0.098	0.032	0.014	mg/Kg	U		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 068SB-0060M-0001,0002-SO

Lab Sample ID: 240-22852-1

Lab Name: TestAmerica Pittsburgh

Job No.: 240-22852-1

SDG ID.:

Matrix: Solid

Date Sampled: 04/04/2013 14:10

Reporting Basis: WET

Date Received: 04/04/2013 17:31

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Silver	0.037	0.10	0.030	0.011	mg/Kg	J		1	6020/DOD
Aluminum	12000	3.0	0.60	0.28	mg/Kg		J	1	6020/DOD
Arsenic	9.9	0.10	0.050	0.018	mg/Kg			1	6020/DOD
Barium	79	1.0	0.020	0.011	mg/Kg		Q	1	6020/DOD
Beryllium	0.66	0.10	0.010	0.0075	mg/Kg		Q	1	6020/DOD
Calcium	28000	10	2.5	1.3	mg/Kg			1	6020/DOD
Cadmium	0.22	0.10	0.030	0.013	mg/Kg			1	6020/DOD
Chromium	18	0.20	0.040	0.022	mg/Kg			1	6020/DOD
Cobalt	12	0.050	0.010	0.0024	mg/Kg		Q	1	6020/DOD
Copper	19	0.20	0.060	0.033	mg/Kg		Q	1	6020/DOD
Iron	26000	5.0	2.0	1.1	mg/Kg		J	1	6020/DOD
Magnesium	7500	10	2.0	1.1	mg/Kg			1	6020/DOD
Manganese	420	0.50	0.030	0.016	mg/Kg		Q	1	6020/DOD
Sodium	110	10	5.0	2.7	mg/Kg			1	6020/DOD
Nickel	29	0.10	0.030	0.011	mg/Kg			1	6020/DOD
Lead	12	0.10	0.030	0.015	mg/Kg		Q	1	6020/DOD
Antimony	0.10	0.20	0.10	0.046	mg/Kg	U	J	1	6020/DOD
Thallium	0.17	0.10	0.020	0.010	mg/Kg			1	6020/DOD
Vanadium	19	0.10	0.060	0.030	mg/Kg			1	6020/DOD
Zinc	50	0.50	0.20	0.065	mg/Kg		Q	1	6020/DOD
Potassium	1600	10	6.0	3.2	mg/Kg			1	6020/DOD
Selenium	0.32	0.50	0.10	0.051	mg/Kg	J		1	6020/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 068SB-0061M-0001-SO

Lab Sample ID: 240-22852-2

Lab Name: TestAmerica Pittsburgh

Job No.: 240-22852-1

SDG ID.:

Matrix: Solid

Date Sampled: 04/04/2013 14:10

Reporting Basis: WET

Date Received: 04/04/2013 17:31

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Silver	0.027	0.098	0.029	0.011	mg/Kg	J		1	6020/DOD
Aluminum	8900	2.9	0.59	0.28	mg/Kg			1	6020/DOD
Arsenic	7.1	0.098	0.049	0.018	mg/Kg			1	6020/DOD
Barium	56	0.98	0.020	0.010	mg/Kg		Q	1	6020/DOD
Beryllium	0.43	0.098	0.0098	0.0074	mg/Kg		Q	1	6020/DOD
Calcium	21000	9.8	2.5	1.3	mg/Kg			1	6020/DOD
Cadmium	0.17	0.098	0.029	0.013	mg/Kg			1	6020/DOD
Chromium	13	0.20	0.039	0.022	mg/Kg			1	6020/DOD
Cobalt	8.4	0.049	0.0098	0.0024	mg/Kg		Q	1	6020/DOD
Copper	14	0.20	0.059	0.032	mg/Kg		Q	1	6020/DOD
Iron	18000	4.9	2.0	1.1	mg/Kg			1	6020/DOD
Magnesium	5500	9.8	2.0	1.1	mg/Kg			1	6020/DOD
Manganese	280	0.49	0.029	0.016	mg/Kg		Q	1	6020/DOD
Sodium	77	9.8	4.9	2.6	mg/Kg			1	6020/DOD
Nickel	21	0.098	0.029	0.011	mg/Kg			1	6020/DOD
Lead	8.4	0.098	0.029	0.015	mg/Kg		Q	1	6020/DOD
Antimony	0.15	0.20	0.098	0.045	mg/Kg	J		1	6020/DOD
Thallium	0.13	0.098	0.020	0.010	mg/Kg			1	6020/DOD
Vanadium	15	0.098	0.059	0.029	mg/Kg			1	6020/DOD
Zinc	35	0.49	0.20	0.064	mg/Kg		Q	1	6020/DOD
Potassium	1400	9.8	5.9	3.1	mg/Kg			1	6020/DOD
Selenium	0.24	0.49	0.098	0.050	mg/Kg	J		1	6020/DOD

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Canton Job No.: 240-22852-1

SDG No.: _____

ICV Source: MTHgStd_00009 Concentration Units: ug/L

CCV Source: MTHGCALW_00358

Analyte	ICV 240-82640/7-A 04/19/2013 09:29				CCV 240-82640/10-A 04/19/2013 09:53				CCV 240-82640/10-A 04/19/2013 10:11			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	2.54		2.50	102	4.97		5.00	99	4.94		5.00	99

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

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Canton Job No.: 240-22852-1

SDG No.: _____

ICV Source: MTHgStd_00009 Concentration Units: ug/L

CCV Source: MTHGCALW_00358

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

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

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-22852-1

SDG No.: _____

ICV Source: MICVX_00005 Concentration Units: ug/L

CCV Source: CCVHL1_00002

Analyte	ICV 180-71214/5 05/07/2013 11:49				CCV 180-71214/10 05/07/2013 12:31							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	420		400	105	466000		500000	93				
Barium	80.0		80.0	100	15600		15000	104				
Chromium	81.0		80.0	101	21300		20000	106				
Copper	82.9		80.0	104	19900		20000	100				
Iron	19800		20000	99	518000		500000	104				
Lead	77.1		80.0	96	19300		20000	97				
Manganese	399		400	100	20900		20000	105				
Nickel	81.4		80.0	102	10200		10000	102				
Zinc	84.6		80.0	106	20500		20000	102				

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

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-22852-1

SDG No.: _____

ICV Source: MICVX_00005 Concentration Units: ug/L

CCV Source: CCVHL2_00002

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

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

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-22852-1

SDG No.: _____

ICV Source: MICVX_00005 Concentration Units: ug/L

CCV Source: MCCV1X_00041

Analyte	ICV 180-71214/5 05/07/2013 11:49				CCV 180-71214/12 05/07/2013 12:48				CCV 180-71214/24 05/07/2013 14:26			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	420		400	105	514		500	103	515		500	103
Antimony	82.7		80.0	103	99.6		100	100	97.4		100	97
Arsenic	78.3		80.0	98	99.5		100	99	101		100	101
Barium	80.0		80.0	100	97.5		100	98	95.5		100	96
Beryllium	82.0		80.0	103	104		100	104	101		100	101
Cadmium	81.3		80.0	102	99.0		100	99	96.3		100	96
Calcium	37600		40000	94	46100		50000	92	47100		50000	94
Chromium	81.0		80.0	101	97.9		100	98	100		100	100
Cobalt	79.6		80.0	100	98.8		100	99	101		100	101
Copper	82.9		80.0	104	102		100	102	104		100	104
Iron	19800		20000	99	24600		25000	98	25100		25000	100
Lead	77.1		80.0	96	95.3		100	95	97.3		100	97
Magnesium	39900		40000	100	50300		50000	101	50000		50000	100
Manganese	399		400	100	487		500	97	497		500	99
Nickel	81.4		80.0	102	102		100	102	104		100	104
Potassium	40300		40000	101	49100		50000	98	49600		50000	99
Selenium	79.0		80.0	99	97.8		100	98	100		100	100
Silver	82.7		80.0	103	97.6		100	98	99.3		100	99
Sodium	39700		40000	99	49400		50000	99	49000		50000	98
Thallium	78.8		80.0	98	94.5		100	95	96.0		100	96
Vanadium	81.4		80.0	102	98.5		100	99	101		100	101
Zinc	84.6		80.0	106	103		100	103	105		100	105

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

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Canton Job No.: 240-22852-1
SDG No.: _____
Method: 7471/DOD Instrument ID: H1
Lab Sample ID: CRA 240-82640/9-A Concentration Units: ug/L
CRQL Check Standard Source: MTHGCALW_00358

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

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

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

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

FORM IIB-IN

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-22852-1
 SDG No.: _____
 Method: 6020/DOD Instrument ID: M
 Lab Sample ID: CRI 180-71214/7 Concentration Units: ug/L
 CRQL Check Standard Source: MCRIX_00032

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

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

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

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

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-22852-1
 SDG No.: _____
 Method: 6020/DOD Instrument ID: M
 Lab Sample ID: CRI 180-71214/74 Concentration Units: ug/L
 CRQL Check Standard Source: MCRIX_00032

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

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

FORM IIB-IN

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Canton Job No.: 240-22852-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	ICB 240-82640/8-A 04/19/2013 09:31		CCB 240-82640/11-A 04/19/2013 09:55		CCB 240-82640/11-A 04/19/2013 10:13		CCB 240-82640/11-A 04/19/2013 10:37	
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	0.20	U	0.20	U	0.20	U	0.20	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-22852-1

SDG No.: _____

Concentration Units: ug/L

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

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Canton Job No.: 240-22852-1

SDG No.: _____

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

Instrument Code: H1 Batch No.: 82912

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

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-22852-1
 SDG No.: _____
 Concentration Units: mg/Kg Lab Sample ID: MB 180-69392/1-A
 Instrument Code: M Batch No.: 71214

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

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-22852-1
 SDG No.: _____
 Lab Sample ID: ICSA 180-71214/8 Instrument ID: M
 Lab File ID: M30507A.xml ICS Source: MICSAX_00031
 Concentration Units: ug/L

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

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

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-22852-1
 SDG No.: _____
 Lab Sample ID: ICSAB 180-71214/9 Instrument ID: M
 Lab File ID: M30507A.xml ICS Source: MICSABX_00035
 Concentration Units: ug/L

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

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

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: 068SB-0060M-0001,0002-SO MS Lab ID: 240-22852-1 MS
Lab Name: TestAmerica Canton Job No.: 240-22852-1
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
Mercury	0.178	0.030	0.185	80	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: 068SB-0060M-0001,0002-SO MS

Lab ID: 240-22852-1 MS

Lab Name: TestAmerica Pittsburgh

Job No.: 240-22852-1

SDG No.: _____

Matrix: Solid

Concentration Units: mg/Kg

% Solids: _____

Analyte	SSR C	Sample Result (SR) C		Spike Added (SA)	%R	Control Limit %R	Q	Method
Silver	4.28	0.037	J	5.00	85	75-125		6020/DOD
Aluminum	17300	12000		200	2725	70-130	4	6020/DOD
Arsenic	12.9	9.9		4.00	74	23-131		6020/DOD
Barium	273	79		200	97	10-199	Q	6020/DOD
Beryllium	4.67	0.66		5.00	80	58-112	Q	6020/DOD
Calcium	32200	28000		5000	94	70-130	4	6020/DOD
Cadmium	4.24	0.22		5.00	80	58-110		6020/DOD
Chromium	40.3	18		20.0	113	10-199		6020/DOD
Cobalt	56.7	12		50.0	89	55-110	Q	6020/DOD
Copper	40.2	19		25.0	84	10-199	Q	6020/DOD
Iron	26800	26000		100	670	70-130	4	6020/DOD
Magnesium	12500	7500		5000	99	70-130		6020/DOD
Manganese	448	420		50.0	52	10-199	Q 4	6020/DOD
Sodium	4700	110		5000	92	70-130		6020/DOD
Nickel	71.9	29		50.0	86	10-176		6020/DOD
Lead	14.5	12		2.00	131	10-199	Q 4	6020/DOD
Antimony	8.46	0.10	U	50.0	17	75-125	J	6020/DOD
Thallium	4.78	0.17		5.00	92	82-110		6020/DOD
Vanadium	73.7	19		50.0	109	39-129		6020/DOD
Zinc	86.7	50		50.0	73	10-199	Q	6020/DOD
Potassium	7430	1600		5000	116	70-130		6020/DOD
Selenium	0.943	0.32	J	1.00	63	39-116		6020/DOD

SSR = Spiked Sample Result

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

5B-IN
POST DIGESTION SPIKE SAMPLE RECOVERY
METALS

Client ID: 068SB-0060M-0001,0002-SO PDS

Lab ID: 240-22852-1 PDS

Lab Name: TestAmerica Pittsburgh

Job No.: 240-22852-1

SDG No.: _____

Matrix: Solid

Concentration Units: mg/Kg

Analyte	SSR C	Sample Result (SR) C		Spike Added (SA)	%R	Control Limit %R	Q	Method
Silver	4.94	0.037	J	5.00	98	80-120		6020/DOD
Aluminum	12200	12000		200	200	80-120		6020/DOD
Arsenic	14.0	9.9		4.00	101	80-120		6020/DOD
Barium	263	79		200	92	80-120	Q	6020/DOD
Beryllium	4.97	0.66		5.00	86	80-120	Q	6020/DOD
Calcium	33500	28000		5000	119	80-120		6020/DOD
Cadmium	4.64	0.22		5.00	88	80-120		6020/DOD
Chromium	38.7	18		20.0	105	80-120		6020/DOD
Cobalt	62.8	12		50.0	101	80-120	Q	6020/DOD
Copper	44.0	19		25.0	99	80-120	Q	6020/DOD
Iron	27300	26000		100	1120	80-120		6020/DOD
Magnesium	12600	7500		5000	100	80-120		6020/DOD
Manganese	489	420		50.0	134	80-120	Q	6020/DOD
Sodium	5240	110		5000	103	80-120		6020/DOD
Nickel	78.8	29		50.0	100	80-120		6020/DOD
Lead	13.9	12		2.00	97	80-120	Q	6020/DOD
Antimony	41.5	0.10	U	50.0	83	80-120		6020/DOD
Thallium	5.31	0.17		5.00	103	80-120		6020/DOD
Vanadium	71.6	19		50.0	105	80-120		6020/DOD
Zinc	94.4	50		50.0	89	80-120	Q	6020/DOD
Potassium	6660	1600		5000	101	80-120		6020/DOD
Selenium	1.13	0.32	J	1.00	81	80-120		6020/DOD

SSR = Spiked Sample Result

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

6-IN
DUPLICATES
METALS

Client ID: 068SB-0060M-0001,0002-SO DU

Lab ID: 240-22852-1 DU

Lab Name: TestAmerica Canton

Job No.: 240-22852-1

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
Mercury	0.11	0.030 J	0.037 U	NC		7471/DOD

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

FORM VI-IN

6-IN
DUPLICATES
METALS

Client ID: 068SB-0060M-0001,0002-SO DU

Lab ID: 240-22852-1 DU

Lab Name: TestAmerica Pittsburgh

Job No.: 240-22852-1

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
Silver	0.10	0.037 J	0.0397 J	8		6020/DOD
Aluminum	3.0	12000	12100	2		6020/DOD
Arsenic	0.10	9.9	10.0	1		6020/DOD
Barium	1.0	79	77.9	1	Q	6020/DOD
Beryllium	0.10	0.66	0.640	3	Q	6020/DOD
Calcium	10	28000	27600	0.4		6020/DOD
Cadmium	0.10	0.22	0.221	0.9		6020/DOD
Chromium	0.20	18	17.8	0.4		6020/DOD
Cobalt	0.050	12	12.6	2	Q	6020/DOD
Copper	0.20	19	19.5	1	Q	6020/DOD
Iron	5.0	26000	25800	1		6020/DOD
Magnesium	10	7500	8170	8		6020/DOD
Manganese	0.50	420	403	4	Q	6020/DOD
Sodium	10	110	112	3		6020/DOD
Nickel	0.10	29	28.5	2		6020/DOD
Lead	0.10	12	11.9	0.2	Q	6020/DOD
Antimony	0.20	0.10 U	0.10 U	NC		6020/DOD
Thallium	0.10	0.17	0.174	0.06		6020/DOD
Vanadium	0.10	19	19.6	2		6020/DOD
Zinc	0.50	50	49.8	0.3	Q	6020/DOD
Potassium	10	1600	1680	4		6020/DOD
Selenium	0.50	0.32 J	0.311 J	1		6020/DOD

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

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 240-82367/2-A

Lab Name: TestAmerica Canton

Job No.: 240-22852-1

Sample Matrix: Solid

LCS Source: MTHGCALW_00356

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Mercury	0.833	0.783		94	80	120		7471/DOD

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

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 180-69392/2-A

Lab Name: TestAmerica Pittsburgh

Job No.: 240-22852-1

Sample Matrix: Solid

LCS Source: MTAPITTICPMS_00014

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

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

FORM VIIA - IN

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

Lab ID: 240-22852-1

SDG No:

Lab Name: TestAmerica Pittsburgh

Job No: 240-22852-1

Matrix: Solid

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I) C		Serial Dilution Result (S) C		% Difference	Q	Method
Silver	0.037	J	0.15	U	NC		6020/DOD
Aluminum	12000		12000		1.9	D	6020/DOD
Arsenic	9.9		11.9		20	V D	6020/DOD
Barium	79		80.6		2.3	Q D	6020/DOD
Beryllium	0.66		0.697		6.2	Q D	6020/DOD
Calcium	28000		26400		4.2	D	6020/DOD
Cadmium	0.22		0.250	J	NC	D	6020/DOD
Chromium	18		18.3		2.9	D	6020/DOD
Cobalt	12		13.2		6.5	Q D	6020/DOD
Copper	19		22.6		18	Q V D	6020/DOD
Iron	26000		27200		3.9	D	6020/DOD
Magnesium	7500		7520		0.19	D	6020/DOD
Manganese	420		421		0.25	Q D	6020/DOD
Sodium	110		107		NC	D	6020/DOD
Nickel	29		32.5		12	V D	6020/DOD
Lead	12		11.7		1.6	Q D	6020/DOD
Antimony	0.10	U	0.50	U	NC		6020/DOD
Thallium	0.17		0.172	J	NC	D	6020/DOD
Vanadium	19		19.6		1.7	D	6020/DOD
Zinc	50		62.1		24	Q V D	6020/DOD
Potassium	1600		1630		1.3	D	6020/DOD
Selenium	0.32	J	0.492	J	NC	D	6020/DOD

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

FORM VIII-IN

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Canton Job Number: 240-22852-1
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)
Mercury	253.7	0.1	0.014

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Canton Job Number: 240-22852-1
SDG Number: _____
Matrix: Solid Instrument ID: H1
Method: 7471/DOD XMDL Date: 02/16/2010 09:47

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

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Pittsburgh Job Number: 240-22852-1
 SDG Number: _____
 Matrix: Solid Instrument ID: M
 Method: 6020/DOD DL Date: 01/26/2010 16:34
 Prep Method: 3050B

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

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Pittsburgh Job Number: 240-22852-1
SDG Number: _____
Matrix: Solid Instrument ID: M
Method: 6020/DOD XMDL Date: 01/26/2010 16:34

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

11-IN
LINEAR RANGES
METALS

Lab Name: TestAmerica Pittsburgh

Job No: 240-22852-1

SDG No.: _____

Instrument ID: M

Date: 03/14/2011 22:35

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

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-22852-1

SDG No.: _____

Prep Method: 7471A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 240-82367/1-A	04/17/2013 14:55	82367	0.60		100
LCS 240-82367/2-A	04/17/2013 14:55	82367	0.60		100
240-22852-1	04/17/2013 14:55	82367	0.54		100
240-22852-1 DU	04/17/2013 14:55	82367	0.54		100
240-22852-1 MS	04/17/2013 14:55	82367	0.54		100
240-22852-2	04/17/2013 14:55	82367	0.61		100

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-22852-1

SDG No.: _____

Prep Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 180-69392/1-A	04/17/2013 10:27	69392	00001.00		100
LCS 180-69392/2-A	04/17/2013 10:27	69392	00001.05		100
240-22852-1	04/17/2013 10:27	69392	00001.00		100
240-22852-1 DU	04/17/2013 10:27	69392	00001.00		100
240-22852-1 MS	04/17/2013 10:27	69392	00001.00		100
240-22852-2	04/17/2013 10:27	69392	00001.02		100

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-22852-1

SDG No.: _____

Instrument ID: H1 Method: 7471/DOD

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

Lab Sample ID	D / F	T y p e	Time	Analytes															
				H g															
IC 240-82640/1-A			09:14	X															
IC 240-82640/2-A			09:15	X															
IC 240-82640/1-A			09:18	X															
IC 240-82640/1-A			09:20	X															
IC 240-82640/2-A			09:21	X															
IC 240-82640/3-A			09:23	X															
IC 240-82640/4-A			09:24	X															
IC 240-82640/5-A			09:26	X															
IC 240-82640/6-A			09:27	X															
ICV 240-82640/7-A	1		09:29	X															
ICB 240-82640/8-A	1		09:31	X															
CRA 240-82640/9-A	1		09:32	X															
CCV 240-82640/10-A			09:34																
CCB 240-82640/11-A			09:36																
ZZZZZZ			09:37																
ZZZZZZ			09:39																
ZZZZZZ			09:41																
ZZZZZZ			09:43																
ZZZZZZ			09:45																
ZZZZZZ			09:46																
ZZZZZZ			09:48																
ZZZZZZ			09:49																
ZZZZZZ			09:51																
ZZZZZZ			09:52																
CCV 240-82640/10-A	1		09:53	X															
CCB 240-82640/11-A	1		09:55	X															
ZZZZZZ			09:56																
ZZZZZZ			09:58																
ZZZZZZ			10:00																
ZZZZZZ			10:01																
ZZZZZZ			10:03																
MB 240-82367/1-A	1	T	10:04	X															
LCS 240-82367/2-A	1	T	10:06	X															
240-22852-1	1	T	10:07	X															
240-22852-1 DU	1	T	10:08	X															
240-22852-1 MS	1	T	10:10	X															
CCV 240-82640/10-A	1		10:11	X															
CCB 240-82640/11-A	1		10:13	X															
240-22852-2	1	T	10:15	X															
ZZZZZZ			10:17																
ZZZZZZ			10:18																
ZZZZZZ			10:20																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-22852-1

SDG No.: _____

Instrument ID: H1 Method: 7471/DOD

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

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

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-22852-1

SDG No.: _____

Instrument ID: H1 Method: 7471/DOD

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

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

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-22852-1

SDG No.: _____

Instrument ID: M Method: 6020/DOD

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

Lab Sample ID	D / F	T y p e	Time	Analytes																			
				A g	A l	A s	B a	B e	C a	C d	C o	C r	C u	F e	K	M g	M n	N a	N i	P b	S b	S e	T l
ITUNE 180-71214/1			10:59																				
STD1 180-71214/2 IC	1		11:30	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
STD2 180-71214/3 IC	1		11:39	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
STD3 180-71214/4 IC	1		11:44	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICV 180-71214/5	1		11:49	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICB 180-71214/6	1		11:57	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CRI 180-71214/7	1		12:06	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSA 180-71214/8	1		12:15	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSAB 180-71214/9	1		12:23	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 180-71214/10	1		12:31		X		X					X	X	X			X		X	X			
CCV 180-71214/11	1		12:40						X						X	X		X					
CCV 180-71214/12	1		12:48	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB1 180-71214/13	1		12:56	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MB 180-69392/1-A	1	T	13:04	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
LCS 180-69392/2-A	1	T	13:13	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			13:21																				
ZZZZZZ			13:29																				
240-22852-1	1	T	13:37	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
240-22852-1 SD	5	T	13:45	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
240-22852-1 DU	1	T	13:53	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
240-22852-1 MS	1	T	14:02	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
240-22852-1 PDS	1	T	14:10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
240-22852-2	1	T	14:18	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 180-71214/24	1		14:26	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB2 180-71214/25	1		14:34	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			14:43																				
ZZZZZZ			14:51																				
ZZZZZZ			14:59																				
ZZZZZZ			15:07																				
ZZZZZZ			15:15																				
ZZZZZZ			15:24																				
ZZZZZZ			15:32																				
ZZZZZZ			15:40																				
ZZZZZZ			15:48																				
ZZZZZZ			15:56																				
CCV 180-71214/36			16:05																				
CCB3 180-71214/37			16:13																				
ZZZZZZ			16:21																				
ZZZZZZ			16:29																				
ZZZZZZ			16:37																				
ZZZZZZ			16:46																				
ZZZZZZ			16:54																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-22852-1

SDG No.: _____

Instrument ID: M Method: 6020/DOD

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

Lab Sample ID	D / F	T y p e	Time	Analytes																			
				A g	A l	A s	B a	B e	C a	C d	C o	C r	C u	F e	K	M g	M n	N a	N i	P b	S b	S e	T l
ZZZZZZ			17:02																				
ZZZZZZ			17:10																				
ZZZZZZ			17:18																				
ZZZZZZ			17:27																				
ZZZZZZ			17:35																				
CCV 180-71214/48			17:43																				
CCB4 180-71214/49			17:51																				
ZZZZZZ			17:59																				
ZZZZZZ			18:08																				
ZZZZZZ			18:16																				
ZZZZZZ			18:24																				
ZZZZZZ			18:32																				
ZZZZZZ			18:41																				
ZZZZZZ			18:49																				
ZZZZZZ			18:57																				
ZZZZZZ			19:05																				
ZZZZZZ			19:13																				
CCV 180-71214/60			19:22																				
CCB5 180-71214/61			19:30																				
ZZZZZZ			19:38																				
ZZZZZZ			19:46																				
ZZZZZZ			19:55																				
ZZZZZZ			20:03																				
ZZZZZZ			20:11																				
ZZZZZZ			20:19																				
ZZZZZZ			20:28																				
ZZZZZZ			20:36																				
ZZZZZZ			20:44																				
ZZZZZZ			20:52																				
CCV 180-71214/72			21:00																				
CCB6 180-71214/73			21:09																				
CRI 180-71214/74	1		21:17	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CRI 180-71214/75			21:25																				
CCV 180-71214/76			21:33																				
CCB7 180-71214/77			21:42																				
ZZZZZZ			21:47																				
ZZZZZZ			21:51																				
ZZZZZZ			21:56																				
ZZZZZZ			22:01																				
ZZZZZZ			22:06																				
ZZZZZZ			22:11																				
ZZZZZZ			22:16																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-22852-1

SDG No.: _____

Instrument ID: M Method: 6020/DOD

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

Lab Sample ID	D / F	T y p e	Time	Analytes																		
				A g	A l	A s	B a	B e	C a	C d	C o	C r	C u	F e	K	M g	M n	N a	N i	P b	S b	S e
ZZZZZZ			22:21																			
ZZZZZZ			22:25																			
ZZZZZZ			22:30																			
CCV 180-71214/88			22:35																			
CCB8 180-71214/89			22:43																			
ZZZZZZ			22:48																			
ZZZZZZ			22:53																			
ZZZZZZ			22:58																			
ZZZZZZ			23:03																			
ZZZZZZ			23:07																			
ZZZZZZ			23:12																			
ZZZZZZ			23:17																			
ZZZZZZ			23:22																			
ZZZZZZ			23:27																			
ZZZZZZ			23:32																			
ZZZZZZ			23:37																			
CCV 180-71214/101			23:42																			
CCB9 180-71214/102			23:50																			
ZZZZZZ			23:55																			
ZZZZZZ			23:59																			
CCV 180-71214/105			00:04																			
CCB10 180-71214/106			00:12																			

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-22852-1

SDG No.: _____

Instrument ID: M Method: 6020/DOD

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

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				V	Z n																
ITUNE 180-71214/1			10:59																		
STD1 180-71214/2 IC	1		11:30	X	X																
STD2 180-71214/3 IC	1		11:39	X	X																
STD3 180-71214/4 IC	1		11:44	X	X																
ICV 180-71214/5	1		11:49	X	X																
ICB 180-71214/6	1		11:57	X	X																
CRI 180-71214/7	1		12:06	X	X																
ICSA 180-71214/8	1		12:15	X	X																
ICSAB 180-71214/9	1		12:23	X	X																
CCV 180-71214/10	1		12:31		X																
CCV 180-71214/11	1		12:40																		
CCV 180-71214/12	1		12:48	X	X																
CCB1 180-71214/13	1		12:56	X	X																
MB 180-69392/1-A	1	T	13:04	X	X																
LCS 180-69392/2-A	1	T	13:13	X	X																
ZZZZZZ			13:21																		
ZZZZZZ			13:29																		
240-22852-1	1	T	13:37	X	X																
240-22852-1 SD	5	T	13:45	X	X																
240-22852-1 DU	1	T	13:53	X	X																
240-22852-1 MS	1	T	14:02	X	X																
240-22852-1 PDS	1	T	14:10	X	X																
240-22852-2	1	T	14:18	X	X																
CCV 180-71214/24	1		14:26	X	X																
CCB2 180-71214/25	1		14:34	X	X																
ZZZZZZ			14:43																		
ZZZZZZ			14:51																		
ZZZZZZ			14:59																		
ZZZZZZ			15:07																		
ZZZZZZ			15:15																		
ZZZZZZ			15:24																		
ZZZZZZ			15:32																		
ZZZZZZ			15:40																		
ZZZZZZ			15:48																		
ZZZZZZ			15:56																		
CCV 180-71214/36			16:05																		
CCB3 180-71214/37			16:13																		
ZZZZZZ			16:21																		
ZZZZZZ			16:29																		
ZZZZZZ			16:37																		
ZZZZZZ			16:46																		
ZZZZZZ			16:54																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-22852-1

SDG No.: _____

Instrument ID: M Method: 6020/DOD

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

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

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-22852-1

SDG No.: _____

Instrument ID: M Method: 6020/DOD

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

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

Prep Types

R = Total Recoverable

T = Total/NA

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

Lab Name: TestAmerica Pittsburgh Job No.: 240-22852-1

SDG No.: _____

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

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Li-6	Q	Element Sc	Q	Element Y-89	Q	Element Rh-103	Q	Element In	Q
STD1 180-71214/2 IC	11:30	100		100		100		100		100	
STD2 180-71214/3 IC	11:39	91		89		87		80		86	
STD3 180-71214/4 IC	11:44	93		91		90		90		91	
ICV 180-71214/5	11:49	94		87		94		82		86	
ICB 180-71214/6	11:57	108		113		114		114		114	
CRI 180-71214/7	12:06	119		117		115		108		108	
ICSA 180-71214/8	12:15	81		70		67		70		74	
ICSAB 180-71214/9	12:23	84		72		67		70		75	
CCV 180-71214/10	12:31	78		73		68		76		84	
CCV 180-71214/11	12:40	90		101		111		91		102	
CCV 180-71214/12	12:48	93		94		95		92		91	
CCB1 180-71214/13	12:56	114		119		121		122		119	
MB 180-69392/1-A	13:04	113		118		116		116		113	
LCS 180-69392/2-A	13:13	95		93		79		80		80	
240-22852-1	13:37	82		87		0		76		82	
240-22852-1 SD	13:45	108		106		0		101		102	
240-22852-1 DU	13:53	82		87		0		74		80	
240-22852-1 MS	14:02	78		80		0		64		72	
240-22852-1 PDS	14:10	73		72		0		58		71	
240-22852-2	14:18	85		87		0		76		81	
CCV 180-71214/24	14:26	89		82		83		78		82	
CCB2 180-71214/25	14:34	119		119		105		105		103	
CRI 180-71214/74	21:17	96		90		93		89		87	

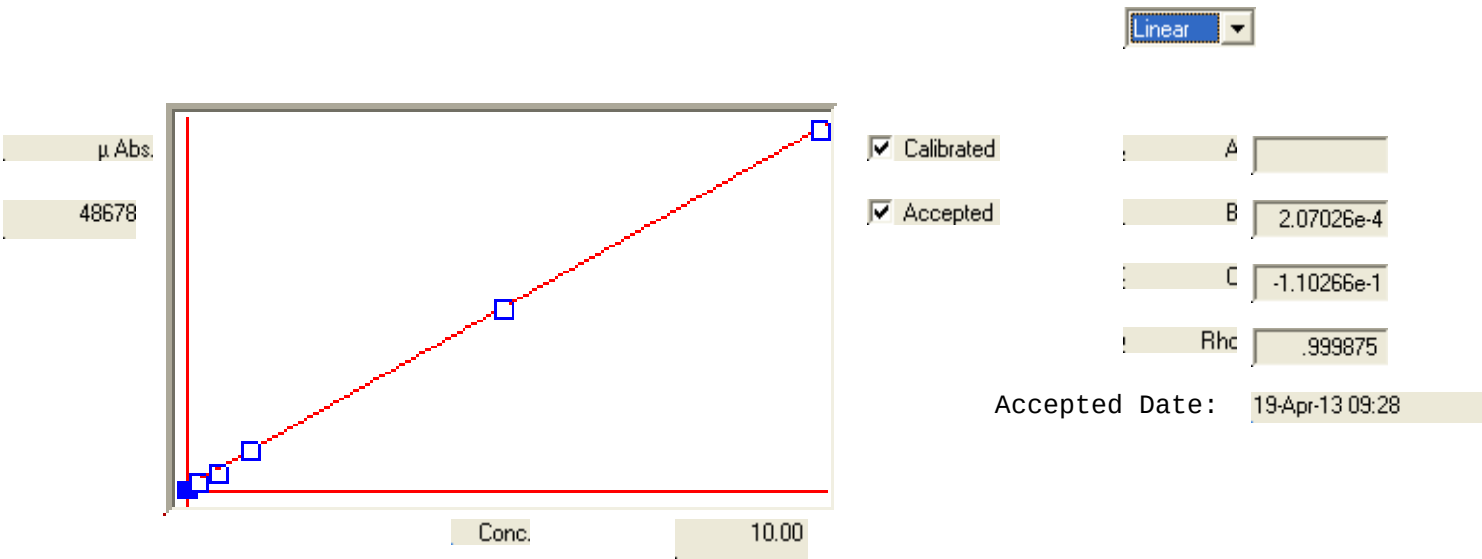
15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-22852-1

SDG No.: _____

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

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Tb	Q	Element Ho	Q	Element Bi	Q	Element	Q	Element	Q
STD1 180-71214/2 IC	11:30	100		100		100					
STD2 180-71214/3 IC	11:39	90		90		76					
STD3 180-71214/4 IC	11:44	91		92		93					
ICV 180-71214/5	11:49	88		88		80					
ICB 180-71214/6	11:57	110		111		112					
CRI 180-71214/7	12:06	107		107		108					
ICSA 180-71214/8	12:15	76		76		67					
ICSAB 180-71214/9	12:23	76		76		66					
CCV 180-71214/10	12:31	70		70		72					
CCV 180-71214/11	12:40	109		109		77					
CCV 180-71214/12	12:48	93		93		83					
CCB1 180-71214/13	12:56	114		114		114					
MB 180-69392/1-A	13:04	110		109		108					
LCS 180-69392/2-A	13:13	85		91		67					
240-22852-1	13:37	90		87		67					
240-22852-1 SD	13:45	101		100		84					
240-22852-1 DU	13:53	87		85		64					
240-22852-1 MS	14:02	78		75		57					
240-22852-1 PDS	14:10	78		77		57					
240-22852-2	14:18	85		83		66					
CCV 180-71214/24	14:26	84		84		71					
CCB2 180-71214/25	14:34	99		99		98					
CRI 180-71214/74	21:17	87		88		88					



S	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
01	.00000	.0019	.0019	543	0	542				
02	.20000	.1334	-.0666	1177	0%	1177				
03	.50000	.4502	-.0498	2707	0%	2707				
04	1.0000	1.098	.0977	5835	0%	5835				
05	5.0000	5.049	.0494	24923	0%	24923				
06	10.000	9.967	-.0327	48679	0%	48678				
07										
08										
09										
10										

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

*** Standard: 1 Rep: 1				Seq: 1		09:14:00	19 Apr 13	HG
Hg	.0000	ppb	2544					
*** Standard: 2 Rep: 1				Seq: 2		09:15:49	19 Apr 13	HG
Hg	.2000	ppb	1228					
*** Standard: 1 Rep: 1				Seq: 3		09:18:02	19 Apr 13	HG
Hg	.0000	ppb	1059					
*** Standard: 1 Rep: 1				Seq: 4		09:20:00	19 Apr 13	HG
Hg	.0000	ppb	542					
*** Standard: 2 Rep: 1				Seq: 5		09:21:37	19 Apr 13	HG
Hg	.2000	ppb	1177					
*** Standard: 3 Rep: 1				Seq: 6		09:23:08	19 Apr 13	HG
Hg	.5000	ppb	2707					
*** Standard: 4 Rep: 1				Seq: 7		09:24:36	19 Apr 13	HG
Hg	1.000	ppb	5835					
*** Standard: 5 Rep: 1				Seq: 8		09:26:13	19 Apr 13	HG
Hg	5.000	ppb	24923					
*** Standard: 6 Rep: 1				Seq: 9		09:27:30	19 Apr 13	HG
Hg	10.00	ppb	48678					
*** Check Standard: 2 Ck2ICV				Seq: 10		09:29:54	19 Apr 13	HG
Line Flag %Rcv. Found True Units						SD/RSD		
Hg		101.7	2.542	2.500	ppb	.0000		
*** Check Standard: 3 Ck3ICB				Seq: 11		09:31:32	19 Apr 13	HG
Line Flag %Rcv. Found True Units						SD/RSD		
Hg		^^^^^^	.0123	.0000	ppb	.0000		
*** Check Standard: 4 Ck4CRA\MRL				Seq: 12		09:32:59	19 Apr 13	HG
Line Flag %Rcv. Found True Units						SD/RSD		
Hg		72.71	.1454	.2000	ppb	.0000		
*** Check Standard: 6 Ck6CCV				Seq: 13		09:34:45	19 Apr 13	HG
Line Flag %Rcv. Found True Units						SD/RSD		
Hg		100.3	5.014	5.000	ppb	.0000		
*** Check Standard: 1 Ck1CCB				Seq: 14		09:36:44	19 Apr 13	HG
Line Flag Found Range(+/-) Units						SD/RSD		
Hg		-.0188	.2000	ppb		.0000		
*** Sample ID:				Seq: 15		09:37:59	19 Apr 13	HG
			MB 240-82498/1-A					
Hg	-.0829	ppb	.0000	-.0829				
*** Sample ID:				Seq: 16		09:39:15	19 Apr 13	HG
			LCS 240-82498/2-A					
Hg	4.728	ppb	.0000	4.728				

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

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

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

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

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

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

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

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

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

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

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

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

TestAmerica North Canton Hg Data Review Checklist

Run/Project Information: _____

Circle Methods used: 7470A / 245.1 :

7471:

Run Date: 4/19/2013

Analyst:

A. Sutherland

Instrument:

H1

Review Items

A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Instrument calibrated per manufacturer's instructions and at SOP specified levels?	✓			✓
2. ICV/CCV analyzed at appropriate frequency and within control limits?	✓			✓
3. ICB/CCB analyzed at appropriate frequency and within +/- RL?	✓			✓
4. CRA run?	✓			✓
B. Sample Results				
1. Were samples with concentrations > high calibration standard diluted and reanalyzed?			✓	
2. All reported results bracketed by in control QC?	✓			✓
3. Sample analyses done within holding time?	✓			✓
C. Preparation/ Matrix QC				
1. LCS done per prep batch and within QC limits?	✓			✓
2. Method blank done per prep batch and < RL?	✓			✓
3. MS run at required frequency and within limits?	✓			✓
4. MSD or DU run at required frequency and RPD within SOP limits?	✓			✓
D. Other				
1. Are all nonconformances documented appropriately?			✓	
2. Current IDL/MDL data on file?	✓			✓
3. Calculations and Transcription checked for error?	✓			✓
4. All client/project specific requirements met?	✓			✓
5. Date of analysis verified as correct?	✓			✓

Level I

Analyst:

A. Sutherland

Date/Time:

4/22/2013

Reviewed from

9:14

to

14:24

Analyst:

Date/Time:

Reviewed from

to

Comments:

Level II

Reviewer:

Natalie J. Joth

Date/Time:

4-22-13

Reviewed from

9:14

to

14:24

Reviewer:

Date/Time:

Reviewed from

to

Comments:

Curve Date

4/19/2013

Curve Time

8:15-8:45

DILUTION H2O

NA

Revised 11/29/2012

Dilution Corrected Concentrations

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

User Pre-dilution: 1.000

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

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

User Pre-dilution: 1.000

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

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

User Pre-dilution: 1.000

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

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

User Pre-dilution: 1.000

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

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

User Pre-dilution: 1.000

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

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

User Pre-dilution: 1.000

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

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

User Pre-dilution: 1.000

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

ICSAB 806394

5/7/2013 12:23:43 PM

QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

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

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

User Pre-dilution: 1.000

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

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

User Pre-dilution: 1.000

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

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

User Pre-dilution: 1.000

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

CCB1 5/7/2013 12:56:39 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

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

MB 180-69392/1-A

5/7/2013 1:04:52 PM

User Pre-dilution: 1.000

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

LCS 180-69392/2-A

5/7/2013 1:13:02 PM

User Pre-dilution: 1.000

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

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

User Pre-dilution: 1.000

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

240-22804-E-4-A

5/7/2013 1:29:22 PM

User Pre-dilution: 1.000

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

240-22852-F-1-B

5/7/2013 1:37:32 PM

User Pre-dilution: 1.000

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

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

5/7/2013 1:45:43 PM

User Pre-dilution: 1.000

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

240-22852-A-1-D DU

5/7/2013 1:53:54 PM

User Pre-dilution: 1.000

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

240-22852-A-1-E MS 5/7/2013 2:02:05 PM

User Pre-dilution: 1.000

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

240-22852-F-1-B PDS

5/7/2013 2:10:17 PM

User Pre-dilution: 1.000

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

240-22852-B-2-B

5/7/2013 2:18:29 PM

User Pre-dilution: 1.000

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

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

User Pre-dilution: 1.000

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

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

User Pre-dilution: 1.000

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

MB 180-70060/1-A

5/7/2013 2:43:09 PM

User Pre-dilution: 1.000

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

LCS 180-70060/2-A 5/7/2013 2:51:21 PM

User Pre-dilution: 1.000

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

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

User Pre-dilution: 1.000

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

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

5/7/2013 3:07:41 PM

User Pre-dilution: 1.000

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

240-22804-D-11-B MS 5/7/2013 3:15:51 PM

User Pre-dilution: 1.000

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

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

User Pre-dilution: 1.000

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

240-22804-D-11-A PDS

5/7/2013 3:32:13 PM

User Pre-dilution: 1.000

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

MB 180-70056/1-A

5/7/2013 3:40:24 PM

User Pre-dilution: 1.000

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

LCS 180-70056/2-A

5/7/2013 3:48:36 PM

User Pre-dilution: 1.000

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

LCSD 180-70056/3-A

5/7/2013 3:56:49 PM

User Pre-dilution: 1.000

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

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

User Pre-dilution: 1.000

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

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

User Pre-dilution: 1.000

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

320-2360-D-1-A 5/7/2013 4:21:29 PM

User Pre-dilution: 1.000

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

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

5/7/2013 4:29:41 PM

User Pre-dilution: 1.000

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

320-2360-D-1-B MS

5/7/2013 4:37:55 PM

User Pre-dilution: 1.000

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

320-2360-D-1-A PDS

5/7/2013 4:46:07 PM

User Pre-dilution: 1.000

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

320-2360-D-2-A

5/7/2013 4:54:18 PM

User Pre-dilution: 1.000

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

320-2360-D-3-A

5/7/2013 5:02:28 PM

User Pre-dilution: 1.000

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

320-2360-D-4-A 5/7/2013 5:10:39 PM

User Pre-dilution: 1.000

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

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

User Pre-dilution: 1.000

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

MB 180-70380/1-A

5/7/2013 5:27:02 PM

User Pre-dilution: 1.000

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

LCS 180-70380/2-A

5/7/2013 5:35:14 PM

User Pre-dilution: 1.000

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

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

User Pre-dilution: 1.000

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

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

User Pre-dilution: 1.000

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

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

User Pre-dilution: 1.000

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

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

User Pre-dilution: 1.000

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

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

5/7/2013 6:16:23 PM

User Pre-dilution: 1.000

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

320-2369-D-2-B MS

5/7/2013 6:24:38 PM

User Pre-dilution: 1.000

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

320-2369-D-2-C MSD

5/7/2013 6:32:51 PM

User Pre-dilution: 1.000

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

320-2369-D-2-A PDS

5/7/2013 6:41:04 PM

User Pre-dilution: 1.000

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

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

User Pre-dilution: 1.000

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

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

User Pre-dilution: 1.000

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

MB 180-70059/1-A

5/7/2013 7:05:40 PM

User Pre-dilution: 1.000

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

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

User Pre-dilution: 1.000

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

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

User Pre-dilution: 1.000

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

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

User Pre-dilution: 1.000

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

180-20575-C-9-A

5/7/2013 7:38:36 PM

User Pre-dilution: 1.000

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

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

5/7/2013 7:46:49 PM

User Pre-dilution: 1.000

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

180-20575-C-9-B MS

5/7/2013 7:55:03 PM

User Pre-dilution: 1.000

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

180-20575-C-9-C MSD

5/7/2013 8:03:17 PM

User Pre-dilution: 1.000

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

180-20575-C-9-A PDS

5/7/2013 8:11:32 PM

User Pre-dilution: 1.000

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

180-20575-A-10-A

5/7/2013 8:19:47 PM

User Pre-dilution: 1.000

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

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

User Pre-dilution: 1.000

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

180-20575-A-12-B

5/7/2013 8:36:16 PM

User Pre-dilution: 1.000

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

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

User Pre-dilution: 1.000

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

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

User Pre-dilution: 1.000

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

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

User Pre-dilution: 1.000

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

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

User Pre-dilution: 1.000

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

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

User Pre-dilution: 1.000

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

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

User Pre-dilution: 1.000

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

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

User Pre-dilution: 1.000

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

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

User Pre-dilution: 1.000

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

MB 180-70417/1-A

5/7/2013 9:47:05 PM

User Pre-dilution: 1.000

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

LCS 180-70417/2-A 5/7/2013 9:51:55 PM

User Pre-dilution: 1.000

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

240-23459-C-1-C

5/7/2013 9:56:46 PM

User Pre-dilution: 1.000

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

240-23459-C-2-C

5/7/2013 10:01:36 PM

User Pre-dilution: 1.000

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

240-23459-C-3-C

5/7/2013 10:06:27 PM

User Pre-dilution: 1.000

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

240-23459-C-4-C

5/7/2013 10:11:18 PM

User Pre-dilution: 1.000

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

240-23459-C-5-C

5/7/2013 10:16:09 PM

User Pre-dilution: 1.000

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

240-23459-C-6-A 5/7/2013 10:21:01 PM

User Pre-dilution: 1.000

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

240-23459-C-7-A

5/7/2013 10:25:53 PM

User Pre-dilution: 1.000

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

240-23459-C-8-C

5/7/2013 10:30:44 PM

User Pre-dilution: 1.000

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

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

User Pre-dilution: 1.000

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

CCB8 5/7/2013 10:43:48 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

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

240-23459-C-9-C

5/7/2013 10:48:39 PM

User Pre-dilution: 1.000

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

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

User Pre-dilution: 1.000

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

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

User Pre-dilution: 1.000

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

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

User Pre-dilution: 1.000

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

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

User Pre-dilution: 1.000

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

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

User Pre-dilution: 1.000

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

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

User Pre-dilution: 1.000

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

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

User Pre-dilution: 1.000

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

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

5/7/2013 11:27:25 PM

User Pre-dilution: 1.000

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

240-23459-A-16-B MS

5/7/2013 11:32:17 PM

User Pre-dilution: 1.000

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

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

User Pre-dilution: 1.000

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

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

User Pre-dilution: 1.000

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

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

User Pre-dilution: 1.000

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

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

User Pre-dilution: 1.000

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

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

User Pre-dilution: 1.000

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

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

User Pre-dilution: 1.000

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

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

User Pre-dilution: 1.000

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

Performance Report

Sample details

Sample name : ITUNE

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

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

Mass Calibration verification

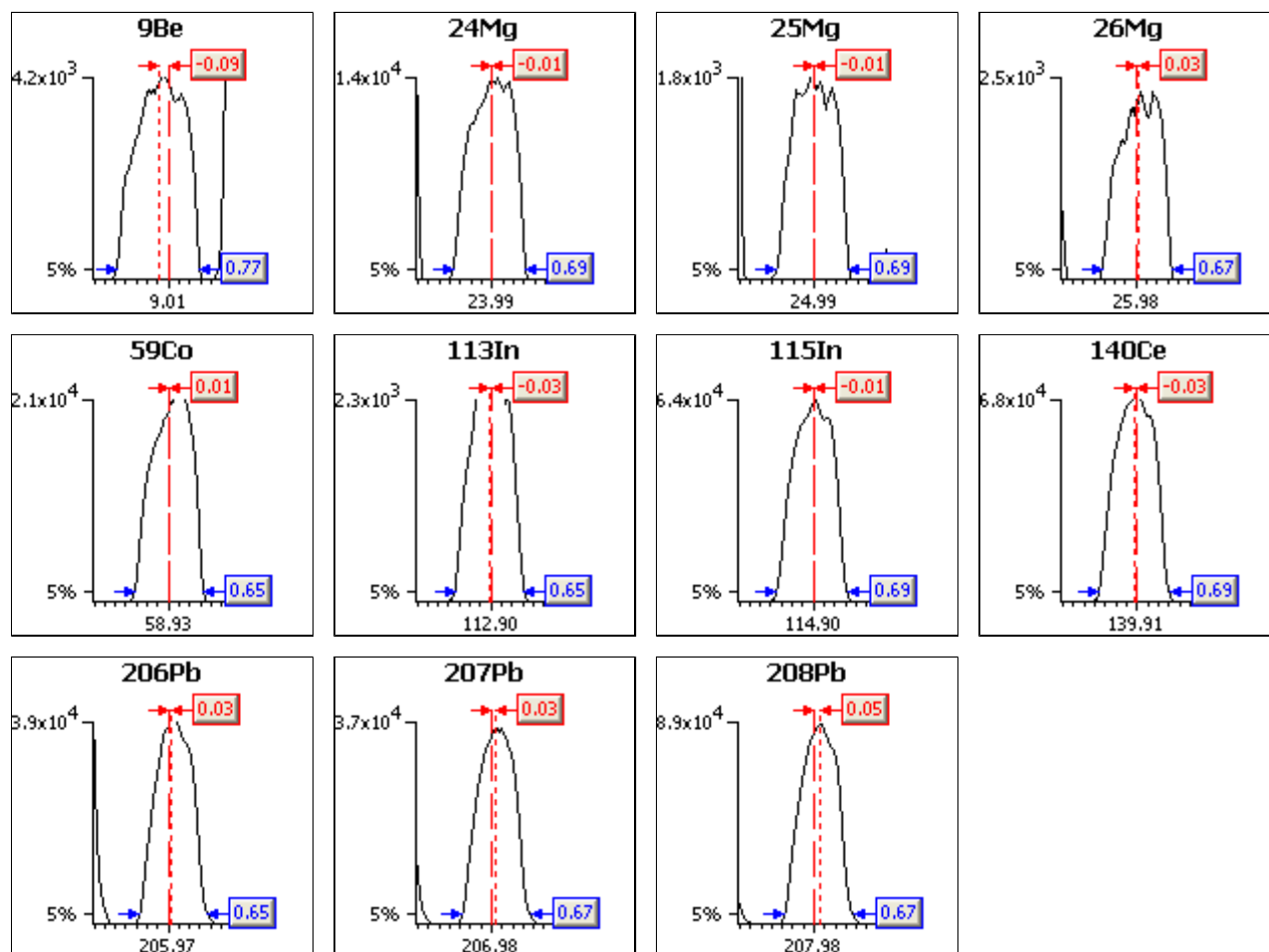
Acquisition parameters

Sweeps : 25

Dwell : 2.0 mSecs

Point spacing : 0.02 amu

Peak width measured at 5% of the peak maximum



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

Sample details

Sample name : ITUNE

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

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

Tune conditions

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

Sensitivity and stability results**Acquisition parameters**

Sweeps : 150

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

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

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

Ratio results

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

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

Result : The performance report passed.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-22852-1

SDG No.: _____

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

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MTAQUAREGIA 00494	MTHGCALW 00356	MTKMN04W 00042	
MB 240-82367/1		7471A, 7471/DOD		0.60 g	100 mL	5 mL		15 mL	
LCS 240-82367/2		7471A, 7471/DOD		0.60 g	100 mL	5 mL	5 mL	15 mL	
240-22852-I-1-A	068SB-0060M-0001 ,0002-SO	7471A, 7471/DOD	T	0.54 g	100 mL	5 mL		15 mL	
240-22852-I-1-F DU	068SB-0060M-0001 ,0002-SO	7471A, 7471/DOD	T	0.54 g	100 mL	5 mL		15 mL	
240-22852-I-1-B MS	068SB-0060M-0001 ,0002-SO	7471A, 7471/DOD	T	0.54 g	100 mL	5 mL	1 mL	15 mL	
240-22852-C-2-A	068SB-0061M-0001 -SO	7471A, 7471/DOD	T	0.61 g	100 mL	5 mL		15 mL	

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

Basis	Basis Description
T	Total/NA

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

7471/DOD

Page 1 of 1

METALS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-22852-1

SDG No.: _____

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

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

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

Basis	Basis Description

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

7471/DOD

Page 1 of 1

METALS BATCH WORKSHEET

Lab Name: TestAmerica Pittsburgh Job No.: 240-22852-1

SDG No.: _____

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

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	InitialAmount	FinalAmount	MTAPITTCPPMS 00014	MTAPITTMSEA 00014	MTAPITTMSC 00020
MB 180-69392/1		3050B, 6020/DOD		NO %SOLIDS FOUND	00001.00 g	100 mL			
LCS 180-69392/2		3050B, 6020/DOD		NO %SOLIDS FOUND	00001.05 g	100 mL	1 mL	1 mL	1 mL
240-22852-F-1	068SB-0060M-0001 ,0002-SO	3050B, 6020/DOD	T	NO %SOLIDS FOUND	00001.00 g	100 mL			
240-22852-A-1 DU	068SB-0060M-0001 ,0002-SO	3050B, 6020/DOD	T	NO %SOLIDS FOUND	00001.00 g	100 mL			
240-22852-A-1 MS	068SB-0060M-0001 ,0002-SO	3050B, 6020/DOD	T	NO %SOLIDS FOUND	00001.00 g	100 mL	1 mL	1 mL	1 mL
240-22852-B-2	068SB-0061M-0001 -SO	3050B, 6020/DOD	T	NO %SOLIDS FOUND	00001.02 g	100 mL			

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

6020/DOD

Page 1 of 2

METALS BATCH WORKSHEET

Lab Name: TestAmerica Pittsburgh Job No.: 240-22852-1

SDG No.: _____

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

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

Basis	Basis Description
T	Total/NA

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

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-22852-1
SDG No.: _____
Project: RVAAP - ECC

Client Sample ID	Lab Sample ID
<u>068SB-0060M-0001,0002-SO</u>	<u>240-22852-1</u>
<u>068SB-0061M-0001-SO</u>	<u>240-22852-2</u>
<u>074SB-0028-0001-SO</u>	<u>240-22852-3</u>
<u>074SB-0011-0001-SO</u>	<u>240-22852-4</u>
<u>074SB-0029-0001-SO</u>	<u>240-22852-5</u>
<u>074SB-0030-0001-SO</u>	<u>240-22852-6</u>
<u>074SB-0031-0001-SO</u>	<u>240-22852-7</u>
<u>074SB-0032-0001-SO</u>	<u>240-22852-8</u>
<u>074SB-0033-0001-SO</u>	<u>240-22852-9</u>

Comments:

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Sacramento Job Number: 240-22852-1

SDG No.: _____

Project: RVAAP - ECC

Client Sample ID
068SB-0060M-0001,0002-SO

Lab Sample ID
240-22852-1

Comments:

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 068SB-0060M-0001,0002-SO

Lab Sample ID: 240-22852-1

Lab Name: TestAmerica Sacramento

Job No.: 240-22852-1

SDG ID.:

Matrix: Solid

Date Sampled: 04/04/2013 14:10

Reporting Basis: WET

Date Received: 04/04/2013 17:31

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Nitrocellulose	0.90	5.0	1.8	0.78	mg/Kg	J	J	1	WS-WC-0050

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Sacramento Job No.: 240-22852-1
SDG No.: _____
Analyst: JS Batch Start Date: 04/23/2013
Reporting Units: mg/L Analytical Batch No.: 14914

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
8	ICV	12:31	Nitrocellulose	8.22	8.40	98	90-110		WC-353.2-ICV_00022
9	ICB	12:33	Nitrocellulose	1.0				U	
22	CCV	12:59	Nitrocellulose	8.56	8.40	102	90-110		WC-353.2-L4_00016
23	CCB	13:01	Nitrocellulose	1.0				U	
36	CCV	13:27	Nitrocellulose	8.56	8.40	102	90-110		WC-353.2-L4_00016
37	CCB	13:29	Nitrocellulose	1.0				U	
43	CCV	13:41	Nitrocellulose	8.56	8.40	102	90-110		WC-353.2-L4_00016
44	CCB	13:43	Nitrocellulose	1.0				U	

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

3-IN
METHOD BLANK
GENERAL CHEMISTRY

Lab Name: TestAmerica Sacramento Job No.: 240-22852-1

SDG No.: _____

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

5-IN
MATRIX SPIKE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: TestAmerica Sacramento Job No.: 240-22852-1

SDG No.: _____

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 14914 Date: 04/23/2013 13:35 Prep Batch: 14752 Date: 04/22/2013 06:13											
WS-WC-0 050	240-22852-1	Nitrocellulose	0.90	J	mg/Kg						J
WS-WC-0 050	240-22852-1 MS	Nitrocellulose	11.9		mg/Kg	49.2	22	34-115			J

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

5-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: TestAmerica Sacramento Job No.: 240-22852-1

SDG No.: _____

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID:	14914	Date: 04/23/2013 13:37	Prep Batch:	14752	Date: 04/22/2013 06:13						
WS-WC-0	240-22852-1	Nitrocellulose	11.6		mg/Kg	50.5	21	34-115	3	71	J
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 Sacramento Job No.: 240-22852-1

SDG No.: _____

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 14914 Date: 04/23/2013 12:47 Prep Batch: 14752 Date: 04/22/2013 06:13											
LCS Source: HPNCSP_00008											
WS-WC-0 050	LCS 320-14670/2-B	Nitrocellulose	31.8		mg/Kg	50.6	63	34-115			

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

7A-IN
METHOD REPORTING LIMIT CHECK
GENERAL CHEMISTRY

Lab Name: TestAmerica Sacramento Job No.: 240-22852-1

SDG No.: _____

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 14914 Date: 04/23/2013 12:35											
						LCS Source: WC-353.2-L1_00022					
WS-WC-0	MRL	Nitrocellulose	1.0	U	mg/L	0.420	106	70-130			
050	320-14914/10										
Batch ID: 14914 Date: 04/23/2013 12:57											
						LCS Source: WC-353.2-L1_00022					
WS-WC-0	MRL	Nitrocellulose	0.538	J	mg/L	0.420	128	70-130			
050	320-14914/21										
Batch ID: 14914 Date: 04/23/2013 13:25											
						LCS Source: WC-353.2-L1_00022					
WS-WC-0	MRL	Nitrocellulose	0.496	J	mg/L	0.420	118	70-130			
050	320-14914/35										
Batch ID: 14914 Date: 04/23/2013 13:39											
						LCS Source: WC-353.2-L1_00022					
WS-WC-0	MRL	Nitrocellulose	1.0	U	mg/L	0.420	112	70-130			
050	320-14914/42										

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: 240-22852-1
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: 240-22852-1
SDG Number: _____
Matrix: Solid Instrument ID: NOEQUIP
Method: Moisture XRL Date: 01/28/2010 09:24

Analyte	Wavelength/ Mass	XRL (mg/L)	
Percent Moisture		10	
Percent Solids		10	

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Sacramento Job Number: 240-22852-1
SDG Number: _____
Matrix: Solid Instrument ID: FS4
Method: WS-WC-0050 DL Date: 03/15/2011 14:37
Prep Method: 353 (NCell-Hyd)

Analyte	Wavelength/ Mass	LOQ (mg/Kg)	DL (mg/Kg)
Nitrocellulose		5	0.78

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Sacramento Job Number: 240-22852-1
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 Sacramento

Job No: 240-22852-1

SDG No.: _____

Instrument ID: FS4

Date: 07/31/2011 19:29

Analyte	Integ. Time (Sec.)	Concentration (mg/L)	Method
Nitrocellulose		16.8	WS-WC-0050

12-IN
PREPARATION LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Sacramento Job No.: 240-22852-1

SDG No.: _____

Prep Method: 353 (NCell-Hyd)

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 320-14670/1-B	04/22/2013 06:13	14752		45	40
LCS 320-14670/2-B	04/22/2013 06:13	14752		45	40
240-22852-1	04/22/2013 06:13	14752		45	40
240-22852-1 MS	04/22/2013 06:13	14752		45	40
240-22852-1 MSD	04/22/2013 06:13	14752		45	40

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-22852-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 04/19/2013 12:50 End Date: 04/19/2013 12:50

[illegible]

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-22852-1

SDG No.: _____

Instrument ID: NOEQUIP Method: Moisture

Start Date: 04/19/2013 12:50 End Date: 04/19/2013 12:50

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				% S o l	M o i s t																
ZZZZZZ			12:50																		
ZZZZZZ			12:50																		
ZZZZZZ			12:50																		
ZZZZZZ			12:50																		
ZZZZZZ			12:50																		
ZZZZZZ			12:50																		
ZZZZZZ			12:50																		
ZZZZZZ			12:50																		
ZZZZZZ			12:50																		
ZZZZZZ			12:50																		
ZZZZZZ			12:50																		
ZZZZZZ			12:50																		
ZZZZZZ			12:50																		
ZZZZZZ			12:50																		
ZZZZZZ			12:50																		
ZZZZZZ			12:50																		
ZZZZZZ			12:50																		
ZZZZZZ			12:50																		

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Sacramento Job No.: 240-22852-1

SDG No.: _____

Instrument ID: FS4 Method: WS-WC-0050

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

Lab Sample ID	D / F	T y p e	Time	Analytes															
				N C L															
ZZZZZZ			12:17																
STD 320-14914/2 IC			12:19	X															
STD 320-14914/3 IC			12:21	X															
STD 320-14914/4 IC			12:23	X															
STD 320-14914/5 IC			12:25	X															
STD 320-14914/6 IC			12:27	X															
STD 320-14914/7 IC			12:29	X															
ICV 320-14914/8	1		12:31	X															
ICB 320-14914/9	1		12:33	X															
MRL 320-14914/10	1	T	12:35	X															
ZZZZZZ			12:37																
ZZZZZZ			12:39																
ZZZZZZ			12:41																
ZZZZZZ			12:43																
MB 320-14670/1-B	1	T	12:45	X															
LCS 320-14670/2-B	1	T	12:47	X															
ZZZZZZ			12:49																
ZZZZZZ			12:51																
ZZZZZZ			12:53																
ZZZZZZ			12:55																
MRL 320-14914/21	1	T	12:57	X															
CCV 320-14914/22	1		12:59	X															
CCB 320-14914/23	1		13:01	X															
ZZZZZZ			13:03																
ZZZZZZ			13:05																
ZZZZZZ			13:07																
ZZZZZZ			13:09																
ZZZZZZ			13:11																
ZZZZZZ			13:13																
ZZZZZZ			13:15																
ZZZZZZ			13:17																
ZZZZZZ			13:19																
ZZZZZZ			13:21																
ZZZZZZ			13:23																
MRL 320-14914/35	1	T	13:25	X															
CCV 320-14914/36	1		13:27	X															
CCB 320-14914/37	1		13:29	X															
ZZZZZZ			13:31																
240-22852-1	1	T	13:33	X															
240-22852-1 MS	1	T	13:35	X															
240-22852-1 MSD	1	T	13:37	X															
MRL 320-14914/42	1	T	13:39	X															

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Sacramento Job No.: 240-22852-1

SDG No.: _____

Instrument ID: FS4 Method: WS-WC-0050

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

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

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Sacramento Job No.: 240-22852-1

SDG No.: _____

Instrument ID: FS4 Method: WS-WC-0050

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

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

Prep Types

T = Total/NA

File name: Z:\GENCHEM\ALPKEM~2\2013\NITROC~1\042313A.RST

Date: 23-Apr-13

Operator: JRS

Peak	Cup	Name	R	Type	Dil	Wt	Height	Calc. (ppm)	Flags
1	103	sync	1	SYNC		1	116865	0.981765	
B	0	Baseline	1	RB		1	0	0.011762	BL
3	102	Cal 5	1	C		1	240248	2.005871	
4	103	Cal 4	1	C		1	118042	0.991536	
5	104	Cal 3	1	C		1	45998	0.393554	
6	105	Cal 2	1	C		1	22161	0.195706	
7	106	Cal 1	1	C		1	4991	0.053186	
8	0	Cal 0	1	C		1	-195	0.010147	
9	107	ICV	1	U		1	116468	0.978471	
10	0	BLANK/ICB	1	BLNK		1	-309	0.009198	
11	106	MRL	1	U		1	4949	0.052836	
12	108	NO2 1PPM	1	U		1	113655	0.955118	
13	109	NO3 1PPM	1	U		1	117086	0.983603	
14	0	Blank	1	BLNK		1	110	0.012673	
B	0	Baseline	1	RB		1	0	0.011762	BL
16	113	mb 320-14670/1-b	1	U		1	886	0.019116	
17	114	lcs 320-14670/2-b	1	U		1	112512	0.945635	
18	115	240-22648-f-13-d	1	U		1	6484	0.065583	
19	116	240-22648-f-29-d	1	U		1	4184	0.046490	
20	117	240-22648-f-30-d	1	U		1	3944	0.044495	
21	118	240-22648-f-36-d	1	U		1	4115	0.045917	
22	106	MRL	1	U		1	6299	0.064048	
23	103	CCV	1	U		1	121395	1.019365	
24	0	BLANK	1	BLNK		1	487	0.015807	
B	0	Baseline	1	RB		1	0	0.011762	BL
26	119	240-22648-f-38-d	1	U		1	1984	0.028230	
27	120	240-22648-f-40-d	1	U		1	789	0.018314	
28	121	240-22648-f-43-d	1	U		1	851	0.018828	
29	122	240-22648-f-53-d	1	U		1	1659	0.025533	
30	123	240-22663-f-4-h	1	U		1	1500	0.024212	
31	124	240-22663-f-7-d	1	U		1	1024	0.020261	
32	125	240-22663-f-17-d	1	U		1	1886	0.027420	
33	126	240-22663-f-26-d	1	U		1	1494	0.024166	
34	127	240-22663-f-28-d	1	U		1	8021	0.078334	
35	128	240-22804-f-4-d	1	U		1	1212	0.021821	
36	106	MRL	1	U		1	5684	0.058942	
37	103	CCV	1	U		1	121355	1.019036	
38	0	BLANK	1	BLNK		1	278	0.014069	
B	0	Baseline	1	RB		1	0	0.011762	BL
40	129	240-22852-g-1-j	1	U		1	1824	0.026898	
41	130	240-22852-g-1-k	ms	1	U	1	42292	0.362790	
42	131	240-22852-g-1-l	msd	1	U	1	40069	0.344343	
43	106	MRL	1	U		1	5330	0.055999	
44	103	CCV	1	U		1	121367	1.019132	
45	0	BLANK	1	BLNK		1	348	0.014653	
B	0	Baseline	1	RB		1	0	0.011762	BL
47	132	mb 320-14751/1-b	1	U		1	1578	0.024856	
48	133	lcs 320-14751/2-b	1	U		1	72680	0.615020	
49	134	320-2137-a-1-m	1	U		1	29830	0.259360	
50	135	320-2137-a-1-n	ms	1	U	1	119436	1.003104	
51	136	320-2137-a-1-o	msd	1	U	1	131250	1.101166	
52	103	CCV	1	U		1	121428	1.019641	
53	0	BLANK	1	BLNK		1	65	0.012300	
B	0	Baseline	1	RB		1	0	0.011762	BL
55	137	mb 320-14749/1-b	1	U		1	696	0.017541	
56	138	lcs 320-14749/2-b	1	U		1	102701	0.864204	
57	139	320-2307-a-19-b	1	U		1	2528	0.032741	
58	140	320-2307-a-20-b	1	U		1	2850	0.035421	
59	141	320-2307-a-21-b	1	U		1	5044	0.053631	
60	142	320-2307-a-22-b	1	U		1	41181	0.353574	
61	143	320-2307-a-23-b	1	U		1	48293	0.412601	
62	144	320-2307-a-24-b	1	U		1	27087	0.236593	
63	145	320-2307-a-25-b	1	U		1	12489	0.115421	
64	146	320-2307-b-25-c	ms	1	U	1	63937	0.542448	
65	103	CCV	1	U		1	126659	1.063061	
66	0	BLANK	1	BLNK		1	-112	0.010835	
B	0	Baseline	1	RB		1	0	0.011762	BL
68	147	320-2307-b-25-d	msd	1	U	1	62177	0.527844	
69	148	320-2307-b-26-b	1	U		1	4206	0.046672	
70	149	320-2307-a-27-b	1	U		1	2975	0.036452	

Peak	Cup	Name	R	Type	Dil	Wt	Height	Calc. (ppm)	Flags
71	150	320-2307-a-28-b	1	U		1	1	3488	0.040716
72	151	320-2307-a-29-b	1	U		1	1	3955	0.044591
73	152	320-2307-a-30-b	1	U		1	1	4754	0.051224
74	153	320-2307-a-31-c	1	U		1	1	3259	0.038811
75	154	320-2307-a-31-d	ms	1	U	1	1	63584	0.539518
76	155	320-2307-b-31-b	msd	1	U	1	1	50424	0.430294
77	156	320-2307-b-32-b	1	U		1	1	3065	0.037198
78	103	CCV	1	U		1	1	125765	1.055634
79	0	BLANK	1	BLNK		1	1	271	0.014011
B	0	Baseline	1	RB		1	1	0	0.011762 BL
81	157	320-2307-b-33-b	1	U		1	1	5134	0.054376
82	158	320-2307-b-34-d	1	U		1	1	4154	0.046239
83	159	320-2307-b-34-e	ms	1	U	1	1	54687	0.465676
84	160	320-2307-b-34-f	msd	1	U	1	1	41660	0.357546
85	103	CCV	1	U		1	1	125349	1.052184
86	0	BLANK	1	BLNK		1	1	142	0.012939
B	0	Baseline	1	RB		1	1	0	0.011762 BL

Cup	Name	S	1:Time	1:Value	1:S
0	Baseline	C	12:17:23	0.01	[C]
102	Cal 5	C	12:19:23	2.01	[C]
103	Cal 4	C	12:21:23	0.99	[C]
104	Cal 3	C	12:23:24	0.39	[C]
105	Cal 2	C	12:25:24	0.20	[C]
106	Cal 1	C	12:27:24	0.05	[C]
0	Cal 0	C	12:29:24	0.01	[C]
107	ICV	-	12:31:24	0.98	[-]
0	BLANK/ICB	C	12:33:24	0.01	[C]
106	MRL	-	12:35:25	0.05	[-]
108	N02 1PPM	-	12:37:25	0.96	[-]
109	N03 1PPM	-	12:39:25	0.98	[-]
0	Blank	C	12:41:25	0.01	[C]
0	Baseline	C	12:43:25	0.01	[C]
113	mb 320-14670/1-b	-	12:45:26	0.02	[-]
114	lcs 320-14670/2-b	-	12:47:26	0.95	[-]
115	240-22648-f-13-d	-	12:49:26	0.07	[-]
116	240-22648-f-29-d	-	12:51:26	0.05	[-]
117	240-22648-f-30-d	-	12:53:26	0.04	[-]
118	240-22648-f-36-d	-	12:55:26	0.05	[-]
106	MRL	-	12:57:27	0.06	[-]
103	CCV	-	12:59:27	1.02	[-]
0	BLANK	C	13:01:27	0.02	[C]
0	Baseline	C	13:03:27	0.01	[C]
119	240-22648-f-38-d	-	13:05:27	0.03	[-]
120	240-22648-f-40-d	-	13:07:27	0.02	[-]
121	240-22648-f-43-d	-	13:09:28	0.02	[-]
122	240-22648-f-53-d	-	13:11:28	0.03	[-]
123	240-22663-f-4-h	-	13:13:28	0.02	[-]
124	240-22663-f-7-d	-	13:15:28	0.02	[-]
125	240-22663-f-17-d	-	13:17:28	0.03	[-]
126	240-22663-f-26-d	-	13:19:29	0.02	[-]
127	240-22663-f-28-d	-	13:21:29	0.08	[-]
128	240-22804-f-4-d	-	13:23:29	0.02	[-]
106	MRL	-	13:25:29	0.06	[-]
103	CCV	-	13:27:29	1.02	[-]
0	BLANK	C	13:29:29	0.01	[C]
0	Baseline	C	13:31:30	0.01	[C]
129	240-22852-g-1-j	-	13:33:30	0.03	[-]
130	240-22852-g-1-k ms	-	13:35:30	0.36	[-]
131	240-22852-g-1-l msd	-	13:37:30	0.34	[-]
106	MRL	-	13:39:30	0.06	[-]
103	CCV	-	13:41:30	1.02	[-]
0	BLANK	C	13:43:31	0.01	[C]
0	Baseline	C	13:45:31	0.01	[C]
132	mb 320-14751/1-b	-	13:47:31	0.02	[-]
133	lcs 320-14751/2-b	-	13:49:31	0.62	[-]
134	320-2137-a-1-m	-	13:51:31	0.26	[-]
135	320-2137-a-1-n ms	-	13:53:31	1.00	[-]
136	320-2137-a-1-o msd	-	13:55:32	1.10	[-]
103	CCV	-	13:57:32	1.02	[-]
0	BLANK	C	13:59:32	0.01	[C]
0	Baseline	C	14:01:32	0.01	[C]
137	mb 320-14749/1-b	-	14:03:32	0.02	[-]
138	lcs 320-14749/2-b	-	14:05:32	0.86	[-]
139	320-2307-a-19-b	-	14:07:33	0.03	[-]
140	320-2307-a-20-b	-	14:09:33	0.04	[-]
141	320-2307-a-21-b	-	14:11:33	0.05	[-]
142	320-2307-a-22-b	-	14:13:33	0.35	[-]
143	320-2307-a-23-b	-	14:15:33	0.41	[-]
144	320-2307-a-24-b	-	14:17:34	0.24	[-]
145	320-2307-a-25-b	-	14:19:34	0.12	[-]
146	320-2307-b-25-c ms	-	14:21:34	0.54	[-]
103	CCV	-	14:23:34	1.06	[-]
0	BLANK	C	14:25:34	0.01	[C]
0	Baseline	C	14:27:34	0.01	[C]
147	320-2307-b-25-d msd	-	14:29:35	0.53	[-]
148	320-2307-b-26-b	-	14:31:35	0.05	[-]
149	320-2307-a-27-b	-	14:33:35	0.04	[-]
150	320-2307-a-28-b	-	14:35:35	0.04	[-]
151	320-2307-a-29-b	-	14:37:35	0.04	[-]
152	320-2307-a-30-b	-	14:39:35	0.05	[-]
153	320-2307-a-31-c	-	14:41:36	0.04	[-]
154	320-2307-a-31-d ms	-	14:43:36	0.54	[-]
155	320-2307-b-31-b msd	-	14:45:36	0.43	[-]
156	320-2307-b-32-b	-	14:47:36	0.04	[-]

103	CCV	-	14:49:36	1.06	[-]
0	BLANK	C	14:51:37	0.01	[C]
0	Baseline	C	14:53:37	0.01	[C]
157	320-2307-b-33-b	-	14:55:37	0.05	[-]
158	320-2307-b-34-d	-	14:57:37	0.05	[-]
159	320-2307-b-34-e ms	-	14:59:37	0.47	[-]
160	320-2307-b-34-f msd	-	15:01:37	0.36	[-]
103	CCV	-	15:03:38	1.05	[-]
0	BLANK	C	15:05:38	0.01	[C]
0	Baseline	C	15:07:38	0.01	[C]

File name: Z:\GENCHEM\ALPKEM~2\2013\NITROC~1\042313A.RST

Date: 23-Apr-13

Operator: JRS

* Name	Conc	Height
* Cal 5	2.000000	240248.328125
* Cal 4	1.000000	118042.242188
* Cal 3	0.400000	45997.898438
* Cal 2	0.200000	22161.398438
* Cal 1	0.050000	4990.754883
* Cal 0	0.000000	-194.564941

Calib Coef:

y=bx+a

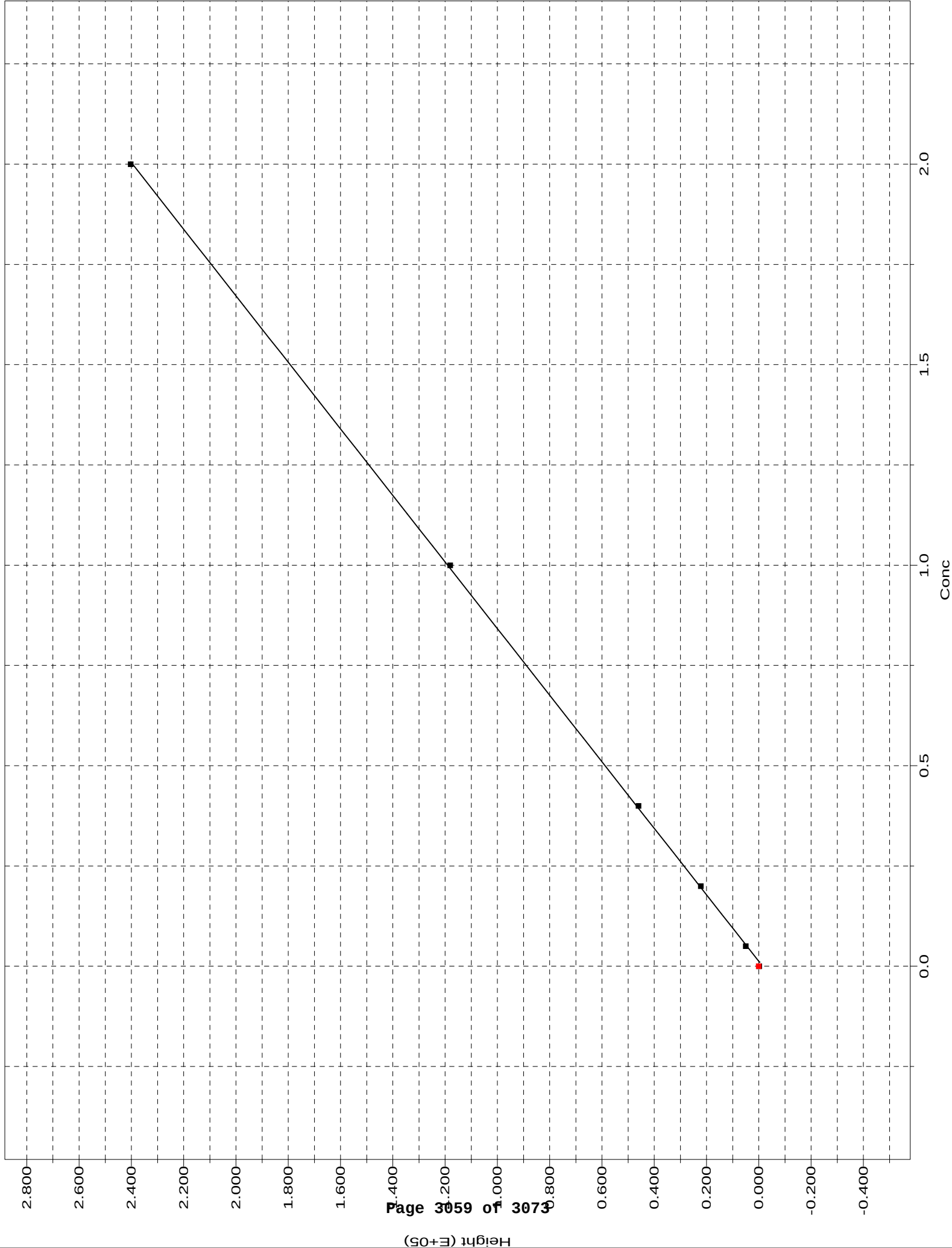
a: (intercept) -1.4171e+03

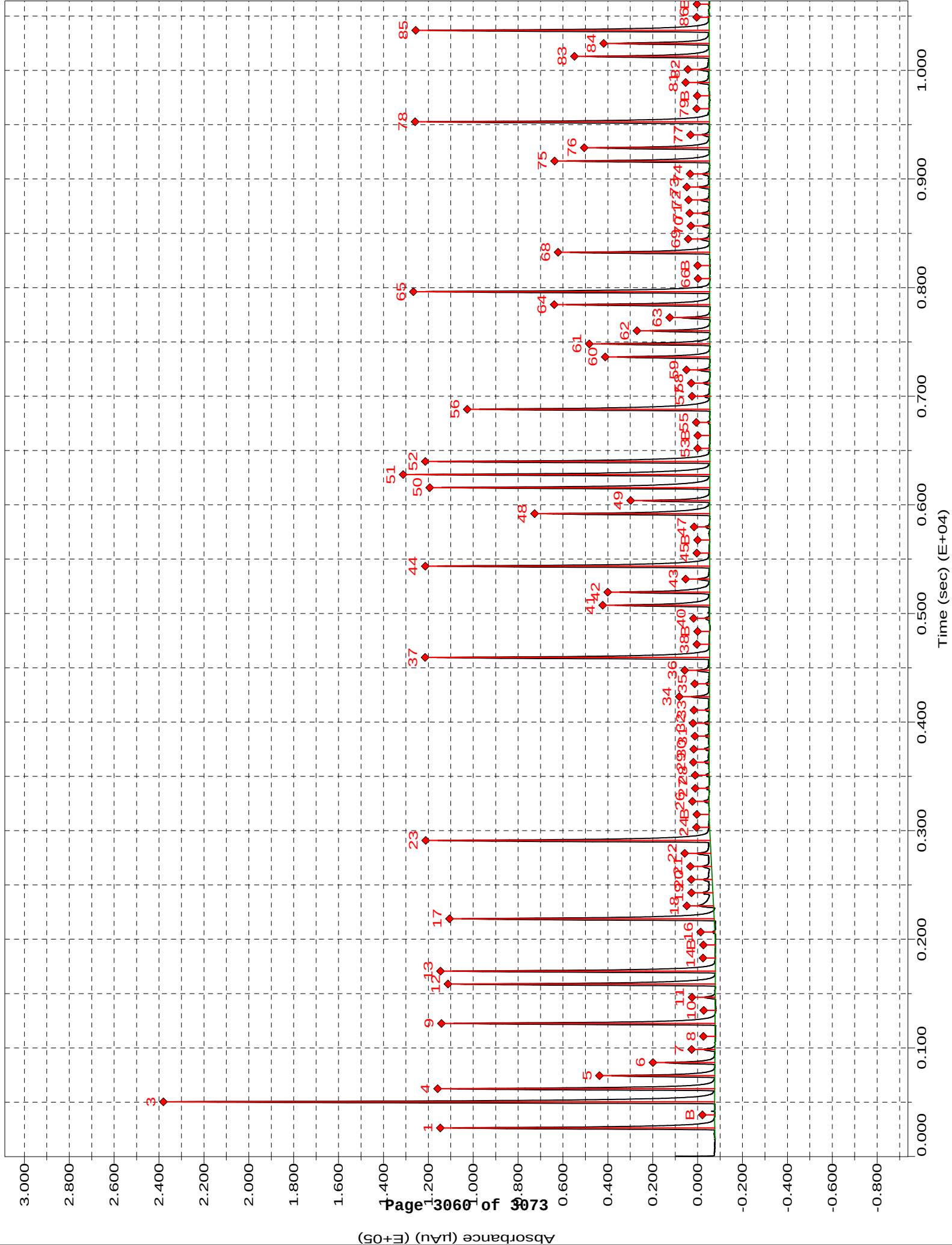
b: 1.2048e+05

Corr Coef: 0.999953

Carryover: n/a

No Drift Peaks





GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-22852-1

SDG No.: _____

Batch Number: 82727 Batch Start Date: 04/19/13 12:50 Batch Analyst: Burns, JillBatch Method: Moisture Batch End Date: 04/22/13 10:15

Lab Sample ID	Client Sample ID	Method Chain	Basis	DishWeight	SampleMassWet	SampleMassDry			
240-22852-A-2	068SB-0061M-0001-SO	Moisture	T	4.4234 g	17.4142 g	17.1447 g			
240-22852-A-3	074SB-0028-0001-SO	Moisture	T	4.4234 g	12.1724 g	10.9381 g			
240-22852-A-4	074SB-0011-0001-SO	Moisture	T	4.4234 g	11.7555 g	10.5159 g			
240-22852-A-5	074SB-0029-0001-SO	Moisture	T	4.4234 g	8.7628 g	8.0741 g			
240-22852-A-6	074SB-0030-0001-SO	Moisture	T	4.4234 g	10.5841 g	9.0900 g			
240-22852-A-7	074SB-0031-0001-SO	Moisture	T	4.4234 g	12.6341 g	11.2264 g			
240-22852-E-1 DU	068SB-0060M-0001,0002-SO	Moisture	T	4.4234 g	10.6093 g	9.6361 g			
240-22852-D-1	068SB-0060M-0001,0002-SO	Moisture	T	4.4234 g	10.7635 g	9.7453 g			
240-22852-A-8	074SB-0032-0001-SO	Moisture	T	4.4234 g	12.0473 g	10.7706 g			
240-22852-A-9	074SB-0033-0001-SO	Moisture	T	4.4234 g	15.4413 g	13.5225 g			

Batch Notes	
Balance ID	B047 No Unit
Date samples were placed in the oven	04/19/13
Oven Temp when samples are put in oven	103.1 Degrees C
Time samples were place in the oven	16:08
Date samples were removed from oven	4/22/13
Oven Temp when samples removed from oven	102.2 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

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

Moisture

Page 1 of 1

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Sacramento Job No.: 240-22852-1

SDG No.: _____

Batch Number: 14670 Batch Start Date: 04/19/13 06:02 Batch Analyst: Phan, TuanBatch Method: 353.2 (NCell) Batch End Date: 04/19/13 11:15

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	HPNCSP 00008			
MB 320-14670/1		353.2 (NCell), 353 (NCell-Hyd), WS-WC-0050		10.00 g	45 mL				
LCS 320-14670/2		353.2 (NCell), 353 (NCell-Hyd), WS-WC-0050		10.00 g	45 mL	1 mL			
240-22852-G-1	068SB-0060M-0001 ,0002-SO	353.2 (NCell), 353 (NCell-Hyd), WS-WC-0050	T	10.05 g	45 mL				
240-22852-G-1 MS	068SB-0060M-0001 ,0002-SO	353.2 (NCell), 353 (NCell-Hyd), WS-WC-0050	T	10.29 g	45 mL	1 mL			
240-22852-G-1 MSD	068SB-0060M-0001 ,0002-SO	353.2 (NCell), 353 (NCell-Hyd), WS-WC-0050	T	10.01 g	45 mL	1 mL			

Batch Notes	
1:1 MeOH/H2O	HPMeOH/H2O_00010
Acetone Lot #	BAKER 0000010624
Centrifuge Tube	BD FALCOM 2142558

Basis	Basis Description
T	Total/NA

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

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Sacramento Job No.: 240-22852-1

SDG No.: _____

Batch Number: 14752 Batch Start Date: 04/22/13 05:45 Batch Analyst: Phan, TuanBatch Method: 353 (NCell-Hyd) Batch End Date: 04/22/13 09:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount				
MB 320-14670/1-A		353 (NCell-Hyd), WS-WC-0050		45 mL	40 mL				
LCS 320-14670/2-A		353 (NCell-Hyd), WS-WC-0050		45 mL	40 mL				
240-22852-G-1-G	068SB-0060M-0001 ,0002-SO	353 (NCell-Hyd), WS-WC-0050	T	45 mL	40 mL				
240-22852-G-1-H MS	068SB-0060M-0001 ,0002-SO	353 (NCell-Hyd), WS-WC-0050	T	45 mL	40 mL				
240-22852-G-1-I MSD	068SB-0060M-0001 ,0002-SO	353 (NCell-Hyd), WS-WC-0050	T	45 mL	40 mL				

Batch Notes	
0.45 Filter Vendor/Lot	MILLIPORE R2SA72748
Centrifuge Tube	BD FALCOM 2142558
Sulfuric Acid Lot Number	Sulfuric Acid_00001
Millipore Water Dispense Date	4/21/13
NaOH Lot #	1NNaOH_00002

Basis	Basis Description
T	Total/NA

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

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Sacramento Job No.: 240-22852-1

SDG No.: _____

Batch Number: 14914 Batch Start Date: 04/23/13 12:17 Batch Analyst: Stredny, JosephBatch Method: WS-WC-0050 Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	WC-353.2-ICV 00022	WC-353.2-L1 00022	WC-353.2-L4 00016			
ICV 320-14914/8		WS-WC-0050		# mL					
MRL 320-14914/10		WS-WC-0050			# mL				
MRL 320-14914/21		WS-WC-0050			# mL				
CCV 320-14914/22		WS-WC-0050				# mL			
MRL 320-14914/35		WS-WC-0050			# mL				
CCV 320-14914/36		WS-WC-0050				# mL			
MRL 320-14914/42		WS-WC-0050			# mL				
CCV 320-14914/43		WS-WC-0050				# mL			

Batch Notes	
Nitrocellulose Assay	0.119
Color Reagent 1 ID	4525-wc-21-3, Exp: 07/5/13
NO2/NO3 Indicator ID #	4525-WC-21-7, Exp: 05/31/13

Basis	Basis Description

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

Subcontract Data

Shipping and Receiving Documents

Chain of Custody Record

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratory location: _____
Regulatory program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other _____

Client Contact		Company Name: ECC		Client Project Manager: A. Easterday		Site Contact: J. Donovan		Lab Contact: Mark Laro		COC No: 049137		TestAmerica Laboratories, Inc.	
Address: 33 Boston Post Rd W #420		Telephone: _____		Telephone: _____		Telephone: _____		Telephone: 4-4-13		COC of: 1		COCs	
City/State/Zip: Marlboro MA 01752		Email: _____		Analysis Turnaround Time (in BUS days): 5		TAT if different from (in BUS days): 5		Analyses: TPH/DRO		For lab use only		Walk-in client ☐	
Project Name: Kavanna-04		Method of Shipment/Carrier: LAB pick up		Containers & Preservatives: 5		TAT if different from (in BUS days): 5		Analyses: TPH/DRO		Lab pickup ☐		Lab sampling ☐	
Project Number: _____		Shipping/Tracking No: _____		Matrix: Alp		TAT if different from (in BUS days): 5		Analyses: TPH/DRO		Job/SDG No: _____		Sample Specific Notes / Special Instructions: Full Suite	
PO #		Sample Date		Sample Time		Matrix		Containers & Preservatives		Filtered Sample (Y/N)		Sample Specific Notes / Special Instructions: MSI MSD	
068SB-0060M-0001-SO		4/11/13		1410		X		X		X		X	
068SB-0060M-0002-SO		↓		1410		X		X		X		X	
068SB-0060M-0001-SO		↓		1410		X		X		X		X	
074SB-0028-0001-SO		4/11/13		0907		X		X		X		X	
074SB-0011-0001-SO		↓		0943		X		X		X		X	
074SB-0029-0001-SO		↓		0922		X		X		X		X	
-0030-0001-SO		↓		0917		X		X		X		X	
-0031-0001-SO		↓		0932		X		X		X		X	
-0032-0001-SO		↓		0930		X		X		X		X	
-0033-0001-SO		↓		1020		X		X		X		X	
Possible Hazard Identification		☐ Non-Hazard		☐ Flammable		☐ Skin Irritant		☐ Poison B		☐ Unknown		☐ Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)	
Special Instructions/QC Requirements & Comments:		☐ Return to Client		☐ Disposal By Lab		☐ Archive For		240-22852 Chain of Custody		Barcode		Barcode	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TAL 0018-1 (04/10)

TestAmerica Canton Sample Receipt Form/Narrative

Login # : 22852Client ECC Site Name _____ By: [Signature]Cooler Received on 4-4-13 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 0°C) Observed Sample Temp. _____ °C Corrected Sample Temp. _____ °C

IR GUN# 4G (CF +1°C) Observed Sample Temp. _____ °C Corrected Sample Temp. _____ °C

IR GUN# 5G (CF +1 °C) Observed Sample Temp. _____ °C Corrected Sample Temp. _____ °C

IR GUN# 8 (CF +1°C) Observed Sample Temp. 1-3 °C Corrected Sample Temp. 2.3 °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 and Zinc Acetate Lot# 100108-(CH₃COO)₂ZN/NaOH.

What time was preservative added to sample(s)? _____

SOP: NC-SC-0005, Sample Receiving

C:\Documents and Settings\burns\Local Settings\Temporary Internet Files\OLK3A\COOLER_TestAmerica_Rev 89_040213 rls.doc

Page 3070 of 3073

Login Sample Receipt Checklist

Client: Environmental Chemical Corp.

Job Number: 240-22852-1

Login Number: 22852
List Number: 1
Creator: Watson, Debbie

List Source: TestAmerica Pittsburgh
List Creation: 04/12/13 04:32 PM

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Environmental Chemical Corp.

Job Number: 240-22852-1

Login Number: 22852
List Number: 2
Creator: Watson, Debbie

List Source: TestAmerica Pittsburgh
List Creation: 04/12/13 04:34 PM

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Environmental Chemical Corp.

Job Number: 240-22852-1

Login Number: 22852
List Number: 1
Creator: Huggins, Relda

List Source: TestAmerica Sacramento
List Creation: 04/12/13 02:13 PM

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	.1
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	