TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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ANALYTICAL REPORT

CHECKED FOR COMPLETENESS
OF PARAMETERS ORDERED BY:

Job Number: 480-30346-1

Job Description: Olin Chemical Wilmington MA Superfund

For:
Olin Corporation
PO BOX 248
Charleston, TN 37310-0248

Attention: Mr. James Cashwell

Approved for release.
Becky C Mason
Project Manager II
3/11/2013 2:52 PM

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Project Manager II
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03/11/2013
Revision: 2

The test results in this report meet all NELAP requirements for analytes for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this test report should be directed to the TestAmerica Project Manager who has signed this report.

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MassDEP Analytical Protocol Certification Form

Laboratory Name: **TestAmerica Buffalo** Project #: **480-30346-1**

Project Location: **Olin Wilmington** RTN:

This form provides certifications for the following data set: list Laboratory Sample ID Number(s):

480-30346-1 [1-10]

Matrices: ☐ Groundwater/Surface Water ☒ Soil/Sediment ☐ Drinking Water ☐ Air ☐ Other:

CAM Protocols (check all that apply below):

8260 VOC CAM II A ☒	7470/7471 Hg CAM III B ☐	Mass DEP VPH CAM IV A ☐	8081 Pesticides CAM V B ☐	7196 Hex Cr CAM VI B ☐	Mass DEP APH CAM IX A ☐
8270 SVOC CAM II B ☒	7010 Metals CAM III C ☐	Mass DEP EPH CAM IV B ☐	8151 Herbicides CAM V C ☐	8330 Explosives CAM VIII A ☐	TO-15 VOC CAM IX B ☐
6010 Metals CAM III A ☐	6020 Metals CAM III D ☐	8082 PCB CAM V A ☐	9014 Total Cyanide/PAC CAM VI A ☐	6860 Perchlorate CAM VIII B ☐	

Affirmative Responses to Questions A through F are required for "Presumptive Certainty" status

A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding time.	☒ Yes ☐ No
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	☒ Yes ☐ No
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	☒ Yes ☐ No
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	☒ Yes ☐ No
E	a. VPH, EPH and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications). b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?	☐ Yes ☐ No ☐ Yes ☐ No
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	☒ Yes ☐ No

Responses to Questions G, H and I below are required for "Presumptive Certainty" status

G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	☒ Yes ☐ No[1]

Data User Note: ***Data that achieve "Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WCS-07-350***

H	Were **all** QC performance standards specified in the CAM protocol(s) achieved?	☐ Yes ☒ No[1]
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s) ?	☐ Yes ☒ No[1]

[1] All negative responses must be addressed in an attached laboratory narrative.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, is accurate and complete.

Signature: Position: Service Center Manager/Lab Director-TestAmerica Westfield

Printed Name: Steven C. Hartmann Date: 1/10/13 11:54

This form has been electronically signed and approved

CASE NARRATIVE
Client: Olin Corporation

Project: Olin Chemical Wilmington MA Superfund
Report Number: 480-30346-1

Revised report 2: Updated 8270 compound list.

Revised report: 8270 originally reported using continuing calibration. We have now corrected 8270 to calculate from ICAL, revised 8270 data included in this report. We have also updated 8270 compound list per request of the client. Additional comments have been added to case narrative for 8270.

Samples were analyzed in accordance with analytical methods, SOPs, and QA/QC goals described in the Olin Chemical Superfund Site Remedial Investigation /Feasibility Study Work Plan Volume III-B Quality Assurance Project Plan (QAPP) August 14, 2009. Analytical methods include USEPA published methods for the majority of analytes. Custom laboratory methods that were developed by Test America are also used for a subset of analytes as described in the QAPP. Analytical QA/QC goals from the Massachusetts Contingency Plan (MCP) Compendium of MCP Methods published by the Massachusetts Department of Environmental Protection (MassDEP) have been identified as project goals in the QAPP for those methods addressed in the Compendium. Analytical methods are run in accordance with both USEPA methodologies and MassDEP analytical guidelines. Analytical methods meet requirements of USEPA methods and MassDEP Presumptive Certainty goals unless discussed in this narrative.

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

For those methods contained in the MassDEP Compendium, a separate MCP Analytical Method Report Certification Form is included for each method requested.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may be greater than project QLs identified in the QAPP. Such increases in the RLs are an unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes which exceed the calibration range.

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

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT
The samples were received on 12/14/2012; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 2.6 C.

Note: All samples that require thermal preservation are considered acceptable if the arrival temperature is within the method's specified temperature range or for general analysis, ranging from 6°C to just above the freezing temperature of water. Samples that are hand delivered, immediately following collection, may not meet these criteria; however, they will be considered acceptable according to NELAC and State standards, if there is evidence that the chilling process has begun, such as stored and transported to the laboratory on ice.

VOLATILE ORGANIC COMPOUNDS (GC-MS)
Samples OC-SB-518-0.0/1.0-XXX (480-30346-7), OC-SB-518-8.0/10-XXX (480-30346-8) and OC-SB-518-13/15-XXX (480-30346-9) were analyzed for volatile organic compounds (GC-MS) in accordance with SW846 8260C. The samples were prepared and analyzed on 12/19/2012.

General
At the request of the client, an abbreviated/modified MCP analyte list was reported for this job.

No difficulties were encountered during the VOC analyses.

All quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS) - LOW LEVEL
Method(s) 8270D: Internal standard responses for Perylene-d12 and Phenanthrene-d10 were outside of acceptance limits for the following sample(s): OC-SB-518-8.0/10-XXX (480-30346-8), OC-SB-519-12/14-XXX (480-30346-6), OC-SB-519-8.0/10-XXX (480-30346-5). Due to the target analyte list change after the intial analysis the laboratory can not reanalyze/re-extract the samples. The data has been qualified and reported.

Method(s) 8270D: The following compound was outside control limits in the continuing calibration verification (CCV) associated with batch 96803: Benzoic Acid. Due to the large number of analytes contained in the CCV, the laboratory's SOP allows for seven analytes to be

outside limits less than 40% drift; therefore, the data have been reported.

Method(s) 8270D: The following sample(s) was diluted to bring the concentration of target analytes within the calibration range: OC-SB-519-0.0/1.0-XXX (480-30346-4). As such, surrogate recoveries were reduced to a level which they do not provide useful information. Elevated reporting limits (RLs) are provided.

Method(s) 8270D: The following sample(s) was diluted due to the nature of the sample matrix: OC-SB-518-13/15-XXX (480-30346-9). As such,surrogate reciveries were reduced to a level in which they do not provide useful information. Elevated reporting limits (RLs) are provided.

Method(s) 8270D: The following sample(s) was diluted to bring the concentration of target analytes within the calibration range: OC-SB-518-0.0/1.0-XXX (480-30346-7). As such, surrogate recoveries were reduced to a level in which they do not provide useful information. Elevated reporting limits (RLs) are provided.

Method(s) 8270D: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 96561 exceeded control limits for the following analyte: Azobenzene. This analyte was biased high in the LCS/LCSD and were not detected in the associated samples; therefore, the data have been reported.

Method(s) 8270D: The laboratory control sample duplicate (LCSD) for preparation batch 96561 exceeded control limits for the following analyte: 4-Nitrophenol. This analyte has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed. The results have been reported and qualified.

Method(s) 8270D: The %RPD of the laboratory control sample (LCS) and laboratory control standard duplicate (LCSD) for preparation batch 96561 exceeded control limits for the following analytes: 2,4-Dinitrophenol and 4-Nitrophenol. The data has been qualified and reported.

Method(s) 8270D: The following compounds were outside control limits in the continuing calibration verification (CCV) associated with batch 97046: Benzyl alcohol, 4-Methylphenol and Caprolactam. Due to the large number of analytes contained in the CCV, the laboratory's SOP allows for seven analytes to be outside limits less than 40% drift; therefore, the data have been reported.

Method(s) 8270D: The analytes 3-Methylphenol and 4-Methylphenol co-elute and can not be analytical separated. The reported concentrations for these analytes are a total rather than individual quantitated value. Since these analytes co-elute, only 4-Methylphenol was calibrated for in the calibration data.

No other difficulties were encountered during the SVOC Low Level analyses.

HEXAVALENT CHROMIUM

Samples OC-SB-521-0.0/1.0-XXX (480-30346-1), OC-SB-521-8.0/10-XXX (480-30346-2), OC-SB-521-16/18-XXX (480-30346-3), OC-SB-519-0.0/1.0-XXX (480-30346-4), OC-SB-519-8.0/10-XXX (480-30346-5), OC-SB-519-12/14-XXX (480-30346-6), OC-SB-518-0.0/1.0-XXX (480-30346-7), OC-SB-518-8.0/10-XXX (480-30346-8), OC-SB-518-13/15-XXX (480-30346-9) and OC-SB-509-0.0/1.0-XXX (480-30346-10) were analyzed for Hexavalent chromium in accordance with SW 846 7199. The samples were prepared on 01/03/2013 and 01/08/2013 and analyzed on 01/03/2013, 01/04/2013 and 01/09/2013.

Matrix spike

Cr (VI) and Cr (VI) failed the recovery criteria low for the MS of sample OC-SB-521-0.0/1.0-XXXMS (480-30346-1) and MSD of sample OC-SB-521-0.0/1.0-XXXMSD (480-30346-1) in batch 440-76762. Refer to the QC report for details.

General

Samples OC-SB-521-0.0/1.0-XXX (480-30346-1)[1000X], OC-SB-521-16/18-XXX (480-30346-3)[100X], OC-SB-519-0.0/1.0-XXX (480-30346-4)[1000X], OC-SB-518-0.0/1.0-XXX (480-30346-7)[1000X] and OC-SB-509-0.0/1.0-XXX (480-30346-10)[1000X] required dilution prior to analysis due to the nature of the samples matrix (digestate samples was dark in color). The reporting limits have been adjusted accordingly.

The sample matrix has been determined to be reductive in natures (480-30346-1 MS), (480-30346-1 MSD), (480-30346-1 MSI), OC-SB-518-0.0/1.0-XXX (480-30346-7), OC-SB-518-13/15-XXX (480-30346-9), OC-SB-518-8.0/10-XXX (480-30346-8), OC-SB-519-0.0/1.0-XXX (480-30346-4), OC-SB-519-12/14-XXX (480-30346-6), OC-SB-519-8.0/10-XXX (480-30346-5), OC-SB-521-0.0/1.0-XXX (480-30346-1), OC-SB-521-8.0/10-XXX (480-30346-2)

No other difficulties were encountered during the hex chrome analyses.

All other quality control parameters were within the acceptance limits.

PH

Samples OC-SB-521-0.0/1.0-XXX (480-30346-1), OC-SB-521-8.0/10-XXX (480-30346-2), OC-SB-521-16/18-XXX (480-30346-3), OC-SB-519-0.0/1.0-XXX (480-30346-4), OC-SB-519-8.0/10-XXX (480-30346-5), OC-SB-519-12/14-XXX (480-30346-6), OC-SB-518-0.0/1.0-XXX (480-30346-7), OC-SB-518-8.0/10-XXX (480-30346-8), OC-SB-518-13/15-XXX (480-30346-9) and OC-SB-509-0.0/1.0-XXX (480-30346-10) were analyzed for pH in accordance with EPA SW-846 Method 9045C. The samples were leached on 12/14/2012 and analyzed on 12/14/2012.

No difficulties were encountered during the pH analyses.

All quality control parameters were within the acceptance limits.

REDUCTION-OXIDATION (REDOX) POTENTIAL

Samples OC-SB-521-0.0/1.0-XXX (480-30346-1), OC-SB-521-8.0/10-XXX (480-30346-2), OC-SB-521-16/18-XXX (480-30346-3), OC-SB-519-0.0/1.0-XXX (480-30346-4), OC-SB-519-8.0/10-XXX (480-30346-5), OC-SB-519-12/14-XXX (480-30346-6), OC-SB-518-0.0/1.0-XXX (480-30346-7), OC-SB-518-8.0/10-XXX (480-30346-8), OC-SB-518-13/15-XXX (480-30346-9) and OC-SB-509-0.0/1.0-XXX (480-30346-10) were analyzed for Reduction-Oxidation (REDOX) Potential in accordance with SM20 2580B Oxidation Reduction Potential. The samples were leached on 12/14/2012 and analyzed on 12/14/2012.

RPD

Oxidation Reduction Potential exceeded the rpd limit for the duplicate of sample OC-SB-509-0.0/1.0-XXXDU (480-30346-10) due to non homogeneity of the sample. Refer to the QC report for details.

No other difficulties were encountered during the redox analyses.

All other quality control parameters were within the acceptance limits.

PERCENT SOLIDS

Samples OC-SB-521-0.0/1.0-XXX (480-30346-1), OC-SB-521-8.0/10-XXX (480-30346-2), OC-SB-521-16/18-XXX (480-30346-3), OC-SB-519-0.0/1.0-XXX (480-30346-4), OC-SB-519-8.0/10-XXX (480-30346-5), OC-SB-519-12/14-XXX (480-30346-6), OC-SB-518-0.0/1.0-XXX (480-30346-7), OC-SB-518-8.0/10-XXX (480-30346-8), OC-SB-518-13/15-XXX (480-30346-9) and OC-SB-509-0.0/1.0-XXX (480-30346-10) were analyzed for percent solids in accordance with EPA Moisture. The samples were analyzed on 12/19/2012.

No difficulties were encountered during the % solids analyses.

All quality control parameters were within the acceptance limits.

SAMPLE SUMMARY

Client: Olin Corporation

Job Number: 480-30346-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
480-30346-1	OC-SB-521-0.0/1.0-XXX	Solid	12/14/2012 0810	12/14/2012 1700
480-30346-2	OC-SB-521-8.0/10-XXX	Solid	12/14/2012 0820	12/14/2012 1700
480-30346-3	OC-SB-521-16/18-XXX	Solid	12/14/2012 0845	12/14/2012 1700
480-30346-4	OC-SB-519-0.0/1.0-XXX	Solid	12/14/2012 0900	12/14/2012 1700
480-30346-5	OC-SB-519-8.0/10-XXX	Solid	12/14/2012 0920	12/14/2012 1700
480-30346-6	OC-SB-519-12/14-XXX	Solid	12/14/2012 0940	12/14/2012 1700
480-30346-7	OC-SB-518-0.0/1.0-XXX	Solid	12/14/2012 0955	12/14/2012 1700
480-30346-8	OC-SB-518-8.0/10-XXX	Solid	12/14/2012 1005	12/14/2012 1700
480-30346-9	OC-SB-518-13/15-XXX	Solid	12/14/2012 1015	12/14/2012 1700
480-30346-10	OC-SB-509-0.0/1.0-XXX	Solid	12/14/2012 1045	12/14/2012 1700

EXECUTIVE SUMMARY - Detections

Client: Olin Corporation

Job Number: 480-30346-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-30346-1	**OC-SB-521-0.0/1.0-XXX**					
Percent Moisture		82		1.0	%	Moisture
Percent Solids		18		1.0	%	Moisture
Soluble						
pH-Soluble		3.80		1.00	SU	9045C
Oxidation Reduction Potential-Soluble		84		0.010	millivolts	SM 2580B
480-30346-2	**OC-SB-521-8.0/10-XXX**					
Percent Moisture		20		1.0	%	Moisture
Percent Solids		80		1.0	%	Moisture
Cr (VI)		0.27		0.25	mg/Kg	7199
Soluble						
pH-Soluble		5.52		1.00	SU	9045C
Oxidation Reduction Potential-Soluble		42		0.010	millivolts	SM 2580B
480-30346-3	**OC-SB-521-16/18-XXX**					
Percent Moisture		18		1.0	%	Moisture
Percent Solids		82		1.0	%	Moisture
Cr (VI)		48		2.4	mg/Kg	7199
Soluble						
pH-Soluble		5.82		1.00	SU	9045C
Oxidation Reduction Potential-Soluble		34		0.010	millivolts	SM 2580B

EXECUTIVE SUMMARY - Detections

Client: Olin Corporation

Job Number: 480-30346-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-30346-4	**OC-SB-519-0.0/1.0-XXX**					
Bis(2-ethylhexyl) phthalate		4900		2500	ug/Kg	8270D
Benzo[g,h,i]perylene		15	J	50	ug/Kg	8270D
Phenanthrene		96		50	ug/Kg	8270D
Anthracene		94		50	ug/Kg	8270D
Pyrene		170		50	ug/Kg	8270D
Fluoranthene		220		50	ug/Kg	8270D
Acetophenone		20	J	50	ug/Kg	8270D
Benzo[a]anthracene		120		50	ug/Kg	8270D
Chrysene		100		50	ug/Kg	8270D
Benzo[a]pyrene		30	J	50	ug/Kg	8270D
N-Nitrosodiphenylamine		110		50	ug/Kg	8270D
Phenyl ether		120		50	ug/Kg	8270D
Benzaldehyde		160		50	ug/Kg	8270D
1,1'-Biphenyl		32	J	50	ug/Kg	8270D
Percent Moisture		34		1.0	%	Moisture
Percent Solids		66		1.0	%	Moisture
Soluble						
pH-Soluble		5.94		1.00	SU	9045C
Oxidation Reduction Potential-Soluble		17		0.010	millivolts	SM 2580B
480-30346-5	**OC-SB-519-8.0/10-XXX**					
N-Nitrosodiphenylamine		50		44	ug/Kg	8270D
Percent Moisture		24		1.0	%	Moisture
Percent Solids		76		1.0	%	Moisture
Cr (VI)		0.29		0.26	mg/Kg	7199
Soluble						
pH-Soluble		7.18		1.00	SU	9045C
Oxidation Reduction Potential-Soluble		14		0.010	millivolts	SM 2580B
480-30346-6	**OC-SB-519-12/14-XXX**					
Percent Moisture		22		1.0	%	Moisture
Percent Solids		78		1.0	%	Moisture
Cr (VI)		2.2		0.26	mg/Kg	7199
Soluble						
pH-Soluble		6.58		1.00	SU	9045C
Oxidation Reduction Potential-Soluble		15		0.010	millivolts	SM 2580B

EXECUTIVE SUMMARY - Detections

Client: Olin Corporation

Job Number: 480-30346-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-30346-7	**OC-SB-518-0.0/1.0-XXX**					
2,4,4-Trimethyl-1-pentene		19		6.2	ug/Kg	8260C
2,4,4-Trimethyl-2-pentene		17		6.2	ug/Kg	8260C
Bis(2-ethylhexyl) phthalate		340000		110000	ug/Kg	8270D
Percent Moisture		29		1.0	%	Moisture
Percent Solids		71		1.0	%	Moisture
Soluble						
pH-Soluble		6.47		1.00	SU	9045C
Oxidation Reduction Potential-Soluble		10		0.010	millivolts	SM 2580B
480-30346-8	**OC-SB-518-8.0/10-XXX**					
2,4,4-Trimethyl-2-pentene		0.94	J	5.1	ug/Kg	8260C
Percent Moisture		21		1.0	%	Moisture
Percent Solids		79		1.0	%	Moisture
Soluble						
pH-Soluble		6.77		1.00	SU	9045C
Oxidation Reduction Potential-Soluble		15		0.010	millivolts	SM 2580B
480-30346-9	**OC-SB-518-13/15-XXX**					
2,4,4-Trimethyl-1-pentene		1.8	J	4.8	ug/Kg	8260C
2,4,4-Trimethyl-2-pentene		1.3	J	4.8	ug/Kg	8260C
Bis(2-ethylhexyl) phthalate		12000		4100	ug/Kg	8270D
Percent Moisture		20		1.0	%	Moisture
Percent Solids		80		1.0	%	Moisture
Cr (VI)		36		0.25	mg/Kg	7199
Soluble						
pH-Soluble		6.52		1.00	SU	9045C
Oxidation Reduction Potential-Soluble		7.0		0.010	millivolts	SM 2580B
480-30346-10	**OC-SB-509-0.0/1.0-XXX**					
Percent Moisture		25		1.0	%	Moisture
Percent Solids		75		1.0	%	Moisture
Soluble						
pH-Soluble		5.88		1.00	SU	9045C
Oxidation Reduction Potential-Soluble		9.0		0.010	millivolts	SM 2580B

METHOD SUMMARY

Client: Olin Corporation | Job Number: 480-30346-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Volatile Organic Compounds (GC/MS)	TAL BUF	MA DEP 8260C	
Closed System Purge and Trap	TAL BUF		SW846 5035
Semivolatile Organic Compounds (GC/MS) Low Level	TAL BUF	MA DEP 8270D	
Microwave Extraction	TAL BUF		SW846 3546
Percent Moisture	TAL EDI	EPA Moisture	
Chromium, Hexavalent (IC)	TAL IRV	SW846 7199	
Alkaline Digestion (Chromium, Hexavalent)	TAL IRV		SW846 3060A
pH	TAL WFD	SW846 9045C	
Deionized Water Leaching Procedure	TAL WFD		ASTM DI Leach
Reduction-Oxidation (REDOX) Potential	TAL WFD	SM SM 2580B	
Deionized Water Leaching Procedure	TAL WFD		ASTM DI Leach

Lab References:

TAL BUF = TestAmerica Buffalo

TAL EDI = TestAmerica Edison

TAL IRV = TestAmerica Irvine

TAL WFD = TestAmerica Westfield

Method References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

MA DEP = Massachusetts Department Of Environmental Protection

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: Olin Corporation

Job Number: 480-30346-1

Method	Analyst	Analyst ID
MA DEP 8260C	Byrnes, Jennifer M	JMB
MA DEP 8270D	McKernan, Ryan	RMM
SW846 9045C	Emerich, Rich W	RWE
EPA Moisture	Robinson, Ian	IR
SM SM 2580B	Emerich, Rich W	RWE
SW846 7199	Nikbakht-Sangari, Maryam	MN
SW846 7199	Pham, Quynh D	QPD

Client: Olin Corporation

Job Number: 480-30346-1

Client Sample ID: **OC-SB-518-0.0/1.0-XXX**

Lab Sample ID: 480-30346-7

Client Matrix: Solid

% Moisture: 28.7

Date Sampled: 12/14/2012 0955

Date Received: 12/14/2012 1700

8260C Volatile Organic Compounds (GC/MS)

Analysis Method:	8260C	Analysis Batch:	480-96559	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-96598	Lab File ID:	F4458.D
Dilution:	1.0			Initial Weight/Volume:	5.65 g
Analysis Date:	12/19/2012 1638			Final Weight/Volume:	5 mL
Prep Date:	12/19/2012 1330				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4,4-Trimethyl-1-pentene		19		0.53	6.2
2,4,4-Trimethyl-2-pentene		17		0.66	6.2

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	88		70 - 130
1,2-Dichloroethane-d4 (Surr)	88		70 - 130
4-Bromofluorobenzene (Surr)	80		70 - 130

Client: Olin Corporation

Job Number: 480-30346-1

Client Sample ID: **OC-SB-518-0.0/1.0-XXX**

Lab Sample ID: 480-30346-7

Client Matrix: Solid

% Moisture: 28.7

Date Sampled: 12/14/2012 0955

Date Received: 12/14/2012 1700

8260C Volatile Organic Compounds (GC/MS)

Analysis Method:	8260C	Analysis Batch:	480-96559	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-96598	Lab File ID:	F4458.D
Dilution:	1.0			Initial Weight/Volume:	5.65 g
Analysis Date:	12/19/2012 1638			Final Weight/Volume:	5 mL
Prep Date:	12/19/2012 1330				

Tentatively Identified Compounds **Number TIC's Found:** **10**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
57590-19-9	3,3,6-Trimethyl-1,5-heptadien-4-ol	11.71	220	T J N
629-82-3	Octane, 1,1'-oxybis-	11.81	61	T J N
1000139-90-4	1-Butoxy-2-ethylhexane	11.94	1000	T J N
67920-65-4	Indeno[3a,4-b]oxiren-2-ol, octahydro-4a-	12.12	91	T J N
10027-95-9	Aziridine, 2-methyl-3-(1-methylethyl)-,	12.22	160	T J N
52835-12-8	2-Propanone, bis(2-methylpropyl)hydrazon	12.54	510	T J N
1000126-58-5	5-Fluoronicotinic acid	12.65	120	T J N
2550-36-9	Cyclohexane, (bromomethyl)-	13.16	710	T J N
39761-61-0	2-Hexene, 5,5-dimethyl-, (Z)-	13.29	440	T J N
4390-4-9	Nonane, 2,2,4,4,6,8,8-heptamethyl-	13.37	320	T J N

Client: Olin Corporation

Job Number: 480-30346-1

Client Sample ID: **OC-SB-518-8.0/10-XXX**

Lab Sample ID: 480-30346-8

Client Matrix: Solid

% Moisture: 21.0

Date Sampled: 12/14/2012 1005

Date Received: 12/14/2012 1700

8260C Volatile Organic Compounds (GC/MS)

Analysis Method:	8260C	Analysis Batch:	480-96559	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-96598	Lab File ID:	F4459.D
Dilution:	1.0			Initial Weight/Volume:	6.2 g
Analysis Date:	12/19/2012 1703			Final Weight/Volume:	5 mL
Prep Date:	12/19/2012 1330				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4,4-Trimethyl-1-pentene		ND		0.44	5.1
2,4,4-Trimethyl-2-pentene		0.94	J	0.54	5.1

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	90		70 - 130
1,2-Dichloroethane-d4 (Surr)	92		70 - 130
4-Bromofluorobenzene (Surr)	87		70 - 130

Client: Olin Corporation

Job Number: 480-30346-1

Client Sample ID: **OC-SB-518-8.0/10-XXX**

Lab Sample ID: 480-30346-8

Client Matrix: Solid

% Moisture: 21.0

Date Sampled: 12/14/2012 1005

Date Received: 12/14/2012 1700

8260C Volatile Organic Compounds (GC/MS)

Analysis Method:	8260C	Analysis Batch:	480-96559	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-96598	Lab File ID:	F4459.D
Dilution:	1.0			Initial Weight/Volume:	6.2 g
Analysis Date:	12/19/2012 1703			Final Weight/Volume:	5 mL
Prep Date:	12/19/2012 1330				

Tentatively Identified Compounds **Number TIC's Found:** **3**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
119209-20-0	Decane, 5,6-dipropyl-	9.86	120	T J N
1000245-47-2	3-Trifluoroacetoxytridecane	10.56	9.6	T J N
1000139-90-4	1-Butoxy-2-ethylhexane	11.94	5.8	T J N

Client: Olin Corporation

Job Number: 480-30346-1

Client Sample ID: **OC-SB-518-13/15-XXX**

Lab Sample ID: 480-30346-9

Client Matrix: Solid

% Moisture: 19.5

Date Sampled: 12/14/2012 1015

Date Received: 12/14/2012 1700

8260C Volatile Organic Compounds (GC/MS)

Analysis Method:	8260C	Analysis Batch:	480-96559	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-96598	Lab File ID:	F4460.D
Dilution:	1.0			Initial Weight/Volume:	6.46 g
Analysis Date:	12/19/2012 1729			Final Weight/Volume:	5 mL
Prep Date:	12/19/2012 1330				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4,4-Trimethyl-1-pentene		1.8	J	0.41	4.8
2,4,4-Trimethyl-2-pentene		1.3	J	0.51	4.8

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	89		70 - 130
1,2-Dichloroethane-d4 (Surr)	89		70 - 130
4-Bromofluorobenzene (Surr)	86		70 - 130

Client: Olin Corporation

Job Number: 480-30346-1

Client Sample ID: **OC-SB-518-13/15-XXX**

Lab Sample ID: 480-30346-9

Client Matrix: Solid

% Moisture: 19.5

Date Sampled: 12/14/2012 1015

Date Received: 12/14/2012 1700

8260C Volatile Organic Compounds (GC/MS)

Analysis Method:	8260C	Analysis Batch:	480-96559	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-96598	Lab File ID:	F4460.D
Dilution:	1.0			Initial Weight/Volume:	6.46 g
Analysis Date:	12/19/2012 1729			Final Weight/Volume:	5 mL
Prep Date:	12/19/2012 1330				

Tentatively Identified Compounds **Number TIC's Found:** **9**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
15869-86-0	Octane, 4-ethyl-	9.87	20	T J N
56666-38-7	2H-Pyran, tetrahydro-2-(12-pentadecynylo	11.71	5.9	T J N
1000139-90-4	1-Butoxy-2-ethylhexane	11.94	41	T J N
1000144-66-2	3,4-Dimethylpentyl 3s-ethyl-4s-methyl-pe	12.22	6.0	T J N
1000227-8-7	2-n-Decyloxy-5-nitropyridine	12.54	27	T J N
1000126-58-5	5-Fluoronicotinic acid	12.65	6.9	T J N
123-48-8	3-Heptene, 2,2,4,6,6-pentamethyl-	13.15	51	T J N
4390-4-9	Nonane, 2,2,4,4,6,8,8-heptamethyl-	13.29	35	T J N
762-62-9	1-Pentene, 4,4-dimethyl-	13.37	28	T J N

Client: Olin Corporation

Job Number: 480-30346-1

Client Sample ID: **OC-SB-519-0.0/1.0-XXX**

Lab Sample ID: 480-30346-4

Client Matrix: Solid

% Moisture: 33.8

Date Sampled: 12/14/2012 0900

Date Received: 12/14/2012 1700

8270D Semivolatile Organic Compounds (GC/MS) Low Level

Analysis Method:	8270D	Analysis Batch:	480-96803	Instrument ID:	HP5973X
Prep Method:	3546	Prep Batch:	480-96561	Lab File ID:	X3206.D
Dilution:	1.0			Initial Weight/Volume:	000030.3 g
Analysis Date:	12/20/2012 1658			Final Weight/Volume:	1 mL
Prep Date:	12/19/2012 0930			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Bis(2-ethylhexyl) phthalate		2900	E	100	250
2,4,5-Trichlorophenol		ND		16	50
Aniline		ND		15	50
Hexachloroethane		ND		15	50
Dimethyl phthalate		ND		15	50
2,4-Dimethylphenol		ND		15	50
Isophorone		ND		15	50
Fluorene		ND		15	50
Dibenzofuran		ND		15	50
Acenaphthylene		ND		15	50
2,4-Dichlorophenol		ND		15	50
Benzo[g,h,i]perylene		15	J	15	50
Hexachlorobenzene		ND		15	50
Di-n-octyl phthalate		ND		15	50
Hexachlorobutadiene		ND		15	50
Phenanthrene		96		15	50
2-Nitrophenol		ND		19	50
Benzo[k]fluoranthene		ND		25	50
2,4-Dinitrophenol		ND	*	40	50
Anthracene		94		15	50
2-Methylnaphthalene		ND		15	50
Di-n-butyl phthalate		ND		75	250
1,2,4-Trichlorobenzene		ND		15	50
Pyrene		170		15	50
2,4-Dinitrotoluene		ND		15	50
Dibenz(a,h)anthracene		ND		15	50
1,3-Dichlorobenzene		ND		15	50
Nitrobenzene		ND		15	50
Naphthalene		ND		15	50
2,4,6-Trichlorophenol		ND		21	50
Pentachlorophenol		ND		15	50
Fluoranthene		220		15	50
3,3'-Dichlorobenzidine		ND		18	100
4-Bromophenyl phenyl ether		ND		15	50
Diethyl phthalate		ND		16	50
2-Methylphenol		ND		15	50
1,2-Dichlorobenzene		ND		15	50
2,2'-oxybis[1-chloropropane]		ND		15	50
Acetophenone		20	J	15	50
Bis(2-chloroethyl)ether		ND		15	50
Benzo[a]anthracene		120		15	50
Indeno[1,2,3-cd]pyrene		ND		15	50
Butyl benzyl phthalate		ND		15	50
Chrysene		100		15	50
Acenaphthene		ND		15	50
Benzo[b]fluoranthene		ND		15	50

Client: Olin Corporation

Job Number: 480-30346-1

Client Sample ID: **OC-SB-519-0.0/1.0-XXX**

Lab Sample ID: 480-30346-4

Client Matrix: Solid

% Moisture: 33.8

Date Sampled: 12/14/2012 0900

Date Received: 12/14/2012 1700

8270D Semivolatile Organic Compounds (GC/MS) Low Level

Analysis Method:	8270D	Analysis Batch:	480-96803	Instrument ID:	HP5973X
Prep Method:	3546	Prep Batch:	480-96561	Lab File ID:	X3206.D
Dilution:	1.0			Initial Weight/Volume:	000030.3 g
Analysis Date:	12/20/2012 1658			Final Weight/Volume:	1 mL
Prep Date:	12/19/2012 0930			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4-Nitrophenol		ND	*	21	250
4-Chloroaniline		ND		45	100
2-Chlorophenol		ND		15	50
2,6-Dinitrotoluene		ND		42	50
Phenol		ND		15	50
3 & 4 Methylphenol		ND		15	50
1,4-Dichlorobenzene		ND		15	50
Bis(2-chloroethoxy)methane		ND		15	50
2-Chloronaphthalene		ND		15	50
N-Nitrosodi-n-propylamine		ND		15	50
4-Chlorophenyl phenyl ether		ND		15	50
4-Chloro-3-methylphenol		ND		15	100
Benzo[a]pyrene		30	J	15	50
4-Methylphenol		ND		15	50
4-Nitroaniline		ND		42	250
2-Nitroaniline		ND		63	250
Caprolactam		ND		15	50
Carbazole		ND		15	50
4,6-Dinitro-2-methylphenol		ND		48	250
1-Methylnaphthalene		ND		15	50
N-Nitrosodiphenylamine		110		15	50
Atrazine		ND		15	50
Phenyl ether		120		15	50
Benzaldehyde		160		15	50
Azobenzene		ND	*	15	50
Hexachlorocyclopentadiene		ND		15	100
3-Nitroaniline		ND		15	250
N-Nitrosodimethylamine		ND		15	50
Benzyl alcohol		ND		15	100
1,1'-Biphenyl		32	J	15	50
2,3,4,6-Tetrachlorophenol		ND		15	50
Benzophenone		ND		15	50
Benzoic acid		ND		22	250
1,2,4,5-Tetrachlorobenzene		ND		15	50

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	83		30 - 130
2-Fluorophenol	71		30 - 130
Nitrobenzene-d5	75		30 - 130
Phenol-d5	66		30 - 130
2-Fluorobiphenyl	76		30 - 130
p-Terphenyl-d14	56		30 - 130

Client: Olin Corporation

Job Number: 480-30346-1

Client Sample ID: **OC-SB-519-0.0/1.0-XXX**

Lab Sample ID: 480-30346-4

Client Matrix: Solid

% Moisture: 33.8

Date Sampled: 12/14/2012 0900

Date Received: 12/14/2012 1700

8270D Semivolatile Organic Compounds (GC/MS) Low Level

Analysis Method:	8270D	Analysis Batch:	480-96803	Instrument ID:	HP5973X
Prep Method:	3546	Prep Batch:	480-96561	Lab File ID:	X3206.D
Dilution:	1.0			Initial Weight/Volume:	000030.3 g
Analysis Date:	12/20/2012 1658			Final Weight/Volume:	1 mL
Prep Date:	12/19/2012 0930			Injection Volume:	1 uL

Tentatively Identified Compounds **Number TIC's Found:** **7**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	4.20	5900	T J
122-39-4	Diphenylamine	12.11	110	
	Unknown	15.05	100	T J
	Unknown	16.22	110	T J
	Unknown	16.52	44	T J
593-45-3	Octadecane	16.69	25	T J N
21129-9-9	1,2-Tetradecanediol	16.80	33	T J N

Client: Olin Corporation

Job Number: 480-30346-1

Client Sample ID: **OC-SB-519-0.0/1.0-XXX**

Lab Sample ID: 480-30346-4

Client Matrix: Solid

% Moisture: 33.8

Date Sampled: 12/14/2012 0900

Date Received: 12/14/2012 1700

8270D Semivolatile Organic Compounds (GC/MS) Low Level

Analysis Method:	8270D	Analysis Batch:	480-97046	Instrument ID:	HP5973X
Prep Method:	3546	Prep Batch:	480-96561	Lab File ID:	X3224.D
Dilution:	10			Initial Weight/Volume:	000030.3 g
Analysis Date:	12/21/2012 1104	Run Type:	DL	Final Weight/Volume:	1 mL
Prep Date:	12/19/2012 0930			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Bis(2-ethylhexyl) phthalate		4900		1000	2500
2,4,5-Trichlorophenol		ND		160	500
Aniline		ND		150	500
Hexachloroethane		ND		150	500
Dimethyl phthalate		ND		150	500
2,4-Dimethylphenol		ND		150	500
Isophorone		ND		150	500
Fluorene		ND		150	500
Dibenzofuran		ND		150	500
Acenaphthylene		ND		150	500
2,4-Dichlorophenol		ND		150	500
Benzo[g,h,i]perylene		ND		150	500
Hexachlorobenzene		ND		150	500
Di-n-octyl phthalate		ND		150	500
Hexachlorobutadiene		ND		150	500
Phenanthrene		ND		150	500
2-Nitrophenol		ND		190	500
Benzo[k]fluoranthene		ND		250	500
2,4-Dinitrophenol		ND	*	400	500
Anthracene		ND		150	500
2-Methylnaphthalene		ND		150	500
Di-n-butyl phthalate		ND		750	2500
1,2,4-Trichlorobenzene		ND		150	500
Pyrene		210	J	150	500
2,4-Dinitrotoluene		ND		150	500
Dibenz(a,h)anthracene		ND		150	500
1,3-Dichlorobenzene		ND		150	500
Nitrobenzene		ND		150	500
Naphthalene		ND		150	500
2,4,6-Trichlorophenol		ND		210	500
Pentachlorophenol		ND		150	500
Fluoranthene		230	J	150	500
3,3'-Dichlorobenzidine		ND		180	1000
4-Bromophenyl phenyl ether		ND		150	500
Diethyl phthalate		ND		160	500
2-Methylphenol		ND		150	500
1,2-Dichlorobenzene		ND		150	500
2,2'-oxybis[1-chloropropane]		ND		150	500
Acetophenone		ND		150	500
Bis(2-chloroethyl)ether		ND		150	500
Benzo[a]anthracene		ND		150	500
Indeno[1,2,3-cd]pyrene		ND		150	500
Butyl benzyl phthalate		ND		150	500
Chrysene		ND		150	500
Acenaphthene		ND		150	500
Benzo[b]fluoranthene		ND		150	500

Client: Olin Corporation

Job Number: 480-30346-1

Client Sample ID: **OC-SB-519-0.0/1.0-XXX**

Lab Sample ID: 480-30346-4

Client Matrix: Solid

% Moisture: 33.8

Date Sampled: 12/14/2012 0900

Date Received: 12/14/2012 1700

8270D Semivolatile Organic Compounds (GC/MS) Low Level

Analysis Method:	8270D	Analysis Batch:	480-97046	Instrument ID:	HP5973X
Prep Method:	3546	Prep Batch:	480-96561	Lab File ID:	X3224.D
Dilution:	10			Initial Weight/Volume:	000030.3 g
Analysis Date:	12/21/2012 1104	Run Type:	DL	Final Weight/Volume:	1 mL
Prep Date:	12/19/2012 0930			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4-Nitrophenol		ND	*	210	2500
4-Chloroaniline		ND		450	1000
2-Chlorophenol		ND		150	500
2,6-Dinitrotoluene		ND		420	500
Phenol		ND		150	500
3 & 4 Methylphenol		ND		150	500
1,4-Dichlorobenzene		ND		150	500
Bis(2-chloroethoxy)methane		ND		150	500
2-Chloronaphthalene		ND		150	500
N-Nitrosodi-n-propylamine		ND		150	500
4-Chlorophenyl phenyl ether		ND		150	500
4-Chloro-3-methylphenol		ND		150	1000
Benzo[a]pyrene		ND		150	500
4-Methylphenol		ND		150	500
4-Nitroaniline		ND		420	2500
2-Nitroaniline		ND		630	2500
Caprolactam		ND		150	500
Carbazole		ND		150	500
4,6-Dinitro-2-methylphenol		ND		480	2500
1-Methylnaphthalene		ND		150	500
N-Nitrosodiphenylamine		ND		150	500
Atrazine		ND		150	500
Phenyl ether		ND		150	500
Benzaldehyde		ND		150	500
Azobenzene		ND	*	150	500
Hexachlorocyclopentadiene		ND		150	1000
3-Nitroaniline		ND		150	2500
N-Nitrosodimethylamine		ND		150	500
Benzyl alcohol		ND		150	1000
1,1'-Biphenyl		ND		150	500
2,3,4,6-Tetrachlorophenol		ND		150	500
Benzophenone		ND		150	500
Benzoic acid		ND		220	2500
1,2,4,5-Tetrachlorobenzene		ND		150	500

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	0	X	30 - 130
2-Fluorophenol	0	X	30 - 130
Nitrobenzene-d5	0	X	30 - 130
Phenol-d5	0	X	30 - 130
2-Fluorobiphenyl	0	X	30 - 130
p-Terphenyl-d14	0	X	30 - 130

Client: Olin Corporation

Job Number: 480-30346-1

Client Sample ID: **OC-SB-519-0.0/1.0-XXX**

Lab Sample ID: 480-30346-4

Client Matrix: Solid

% Moisture: 33.8

Date Sampled: 12/14/2012 0900

Date Received: 12/14/2012 1700

8270D Semivolatile Organic Compounds (GC/MS) Low Level

Analysis Method:	8270D	Analysis Batch:	480-97046	Instrument ID:	HP5973X
Prep Method:	3546	Prep Batch:	480-96561	Lab File ID:	X3224.D
Dilution:	10			Initial Weight/Volume:	000030.3 g
Analysis Date:	12/21/2012 1104	Run Type:	DL	Final Weight/Volume:	1 mL
Prep Date:	12/19/2012 0930			Injection Volume:	1 uL

Tentatively Identified Compounds **Number TIC's Found:** **10**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	4.17	6700	T J
108-38-3	Benzene, 1,3-dimethyl-	4.65	2500	T J N
	Unknown	9.61	620	T J
	Unknown	15.06	3200	T J
	Unknown	16.14	640	T J
54833-48-6	Heptadecane, 2,6,10,15-tetramethyl-	16.69	760	T J N
26603-23-6	p,p'-Dioctyldiphenylamine	17.00	11000	T J N
	Unknown	18.16	620	T J
	Unknown	18.27	880	T J
	Unknown	18.51	1900	T J

Client: Olin Corporation

Job Number: 480-30346-1

Client Sample ID: **OC-SB-519-8.0/10-XXX**

Lab Sample ID: 480-30346-5

Client Matrix: Solid

% Moisture: 24.1

Date Sampled: 12/14/2012 0920

Date Received: 12/14/2012 1700

8270D Semivolatile Organic Compounds (GC/MS) Low Level

Analysis Method:	8270D	Analysis Batch:	480-96803	Instrument ID:	HP5973X
Prep Method:	3546	Prep Batch:	480-96561	Lab File ID:	X3207.D
Dilution:	1.0			Initial Weight/Volume:	000030.1 g
Analysis Date:	12/20/2012 1724			Final Weight/Volume:	1 mL
Prep Date:	12/19/2012 0930			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Bis(2-ethylhexyl) phthalate		ND		88	220
2,4,5-Trichlorophenol		ND		14	44
Aniline		ND		13	44
Hexachloroethane		ND		13	44
Dimethyl phthalate		ND		13	44
2,4-Dimethylphenol		ND		13	44
Isophorone		ND		13	44
Fluorene		ND		13	44
Dibenzofuran		ND		13	44
Acenaphthylene		ND		13	44
2,4-Dichlorophenol		ND		13	44
Benzo[g,h,i]perylene		ND		13	44
Hexachlorobenzene		ND		13	44
Di-n-octyl phthalate		ND		13	44
Hexachlorobutadiene		ND		13	44
Phenanthrene		ND		13	44
2-Nitrophenol		ND		17	44
Benzo[k]fluoranthene		ND		22	44
2,4-Dinitrophenol		ND	*	35	44
Anthracene		ND		13	44
2-Methylnaphthalene		ND		13	44
Di-n-butyl phthalate		ND		66	220
1,2,4-Trichlorobenzene		ND		13	44
Pyrene		ND		13	44
2,4-Dinitrotoluene		ND		13	44
Dibenz(a,h)anthracene		ND		13	44
1,3-Dichlorobenzene		ND		13	44
Nitrobenzene		ND		13	44
Naphthalene		ND		13	44
2,4,6-Trichlorophenol		ND		18	44
Pentachlorophenol		ND		13	44
Fluoranthene		ND		13	44
3,3'-Dichlorobenzidine		ND		16	88
4-Bromophenyl phenyl ether		ND		13	44
Diethyl phthalate		ND		14	44
2-Methylphenol		ND		13	44
1,2-Dichlorobenzene		ND		13	44
2,2'-oxybis[1-chloropropane]		ND		13	44
Acetophenone		ND		13	44
Bis(2-chloroethyl)ether		ND		13	44
Benzo[a]anthracene		ND		13	44
Indeno[1,2,3-cd]pyrene		ND		13	44
Butyl benzyl phthalate		ND		13	44
Chrysene		ND		13	44
Acenaphthene		ND		13	44
Benzo[b]fluoranthene		ND		13	44

Client: Olin Corporation

Job Number: 480-30346-1

Client Sample ID: **OC-SB-519-8.0/10-XXX**

Lab Sample ID: 480-30346-5

Client Matrix: Solid

% Moisture: 24.1

Date Sampled: 12/14/2012 0920

Date Received: 12/14/2012 1700

8270D Semivolatile Organic Compounds (GC/MS) Low Level

Analysis Method:	8270D	Analysis Batch:	480-96803	Instrument ID:	HP5973X
Prep Method:	3546	Prep Batch:	480-96561	Lab File ID:	X3207.D
Dilution:	1.0			Initial Weight/Volume:	000030.1 g
Analysis Date:	12/20/2012 1724			Final Weight/Volume:	1 mL
Prep Date:	12/19/2012 0930			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4-Nitrophenol		ND	*	18	220
4-Chloroaniline		ND		39	88
2-Chlorophenol		ND		13	44
2,6-Dinitrotoluene		ND		37	44
Phenol		ND		13	44
3 & 4 Methylphenol		ND		13	44
1,4-Dichlorobenzene		ND		13	44
Bis(2-chloroethoxy)methane		ND		13	44
2-Chloronaphthalene		ND		13	44
N-Nitrosodi-n-propylamine		ND		13	44
4-Chlorophenyl phenyl ether		ND		13	44
4-Chloro-3-methylphenol		ND		13	88
Benzo[a]pyrene		ND		13	44
4-Methylphenol		ND		13	44
4-Nitroaniline		ND		37	220
2-Nitroaniline		ND		55	220
Caprolactam		ND		13	44
Carbazole		ND		13	44
4,6-Dinitro-2-methylphenol		ND		42	220
1-Methylnaphthalene		ND		13	44
N-Nitrosodiphenylamine		50		13	44
Atrazine		ND		13	44
Phenyl ether		ND		13	44
Benzaldehyde		ND		13	44
Azobenzene		ND	*	13	44
Hexachlorocyclopentadiene		ND		13	88
3-Nitroaniline		ND		13	220
N-Nitrosodimethylamine		ND		13	44
Benzyl alcohol		ND		13	88
1,1'-Biphenyl		ND		13	44
2,3,4,6-Tetrachlorophenol		ND		13	44
Benzophenone		ND		13	44
Benzoic acid		ND		20	220
1,2,4,5-Tetrachlorobenzene		ND		13	44

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	115		30 - 130
2-Fluorophenol	103		30 - 130
Nitrobenzene-d5	92		30 - 130
Phenol-d5	89		30 - 130
2-Fluorobiphenyl	112		30 - 130
p-Terphenyl-d14	103		30 - 130

Client: Olin Corporation

Job Number: 480-30346-1

Client Sample ID: **OC-SB-519-8.0/10-XXX**

Lab Sample ID: 480-30346-5

Client Matrix: Solid

% Moisture: 24.1

Date Sampled: 12/14/2012 0920

Date Received: 12/14/2012 1700

8270D Semivolatile Organic Compounds (GC/MS) Low Level

Analysis Method:	8270D	Analysis Batch:	480-96803	Instrument ID:	HP5973X
Prep Method:	3546	Prep Batch:	480-96561	Lab File ID:	X3207.D
Dilution:	1.0			Initial Weight/Volume:	000030.1 g
Analysis Date:	12/20/2012 1724			Final Weight/Volume:	1 mL
Prep Date:	12/19/2012 0930			Injection Volume:	1 uL

Tentatively Identified Compounds **Number TIC's Found:** **10**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	3.84	84	T J
	Unknown	4.21	7500	T J
	Unknown	4.23	40	T J
122-39-4	Diphenylamine	12.13	50	
	Unknown	13.78	64	T J
14949-12-3	5.beta.-Cholest-23-ene, (Z)-	15.31	46	T J N
	Unknown	16.41	78	T J
7683-64-9	Squalene	16.48	160	T J N
	Unknown	16.69	100	T J
	Unknown	16.98	53	T J

Client: Olin Corporation

Job Number: 480-30346-1

Client Sample ID: **OC-SB-519-12/14-XXX**

Lab Sample ID: 480-30346-6

Client Matrix: Solid

% Moisture: 21.7

Date Sampled: 12/14/2012 0940

Date Received: 12/14/2012 1700

8270D Semivolatile Organic Compounds (GC/MS) Low Level

Analysis Method:	8270D	Analysis Batch:	480-96803	Instrument ID:	HP5973X
Prep Method:	3546	Prep Batch:	480-96561	Lab File ID:	X3208.D
Dilution:	1.0			Initial Weight/Volume:	000030.6 g
Analysis Date:	12/20/2012 1749			Final Weight/Volume:	1 mL
Prep Date:	12/19/2012 0930			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Bis(2-ethylhexyl) phthalate		ND		84	210
2,4,5-Trichlorophenol		ND		14	42
Aniline		ND		13	42
Hexachloroethane		ND		13	42
Dimethyl phthalate		ND		13	42
2,4-Dimethylphenol		ND		13	42
Isophorone		ND		13	42
Fluorene		ND		13	42
Dibenzofuran		ND		13	42
Acenaphthylene		ND		13	42
2,4-Dichlorophenol		ND		13	42
Benzo[g,h,i]perylene		ND		13	42
Hexachlorobenzene		ND		13	42
Di-n-octyl phthalate		ND		13	42
Hexachlorobutadiene		ND		13	42
Phenanthrene		ND		13	42
2-Nitrophenol		ND		16	42
Benzo[k]fluoranthene		ND		21	42
2,4-Dinitrophenol		ND	*	34	42
Anthracene		ND		13	42
2-Methylnaphthalene		ND		13	42
Di-n-butyl phthalate		ND		63	210
1,2,4-Trichlorobenzene		ND		13	42
Pyrene		ND		13	42
2,4-Dinitrotoluene		ND		13	42
Dibenz(a,h)anthracene		ND		13	42
1,3-Dichlorobenzene		ND		13	42
Nitrobenzene		ND		13	42
Naphthalene		ND		13	42
2,4,6-Trichlorophenol		ND		18	42
Pentachlorophenol		ND		13	42
Fluoranthene		ND		13	42
3,3'-Dichlorobenzidine		ND		15	84
4-Bromophenyl phenyl ether		ND		13	42
Diethyl phthalate		ND		14	42
2-Methylphenol		ND		13	42
1,2-Dichlorobenzene		ND		13	42
2,2'-oxybis[1-chloropropane]		ND		13	42
Acetophenone		ND		13	42
Bis(2-chloroethyl)ether		ND		13	42
Benzo[a]anthracene		ND		13	42
Indeno[1,2,3-cd]pyrene		ND		13	42
Butyl benzyl phthalate		ND		13	42
Chrysene		ND		13	42
Acenaphthene		ND		13	42
Benzo[b]fluoranthene		ND		13	42

Client: Olin Corporation

Job Number: 480-30346-1

Client Sample ID: **OC-SB-519-12/14-XXX**

Lab Sample ID: 480-30346-6

Client Matrix: Solid

% Moisture: 21.7

Date Sampled: 12/14/2012 0940

Date Received: 12/14/2012 1700

8270D Semivolatile Organic Compounds (GC/MS) Low Level

Analysis Method:	8270D	Analysis Batch:	480-96803	Instrument ID:	HP5973X
Prep Method:	3546	Prep Batch:	480-96561	Lab File ID:	X3208.D
Dilution:	1.0			Initial Weight/Volume:	000030.6 g
Analysis Date:	12/20/2012 1749			Final Weight/Volume:	1 mL
Prep Date:	12/19/2012 0930			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4-Nitrophenol		ND	*	18	210
4-Chloroaniline		ND		38	84
2-Chlorophenol		ND		13	42
2,6-Dinitrotoluene		ND		35	42
Phenol		ND		13	42
3 & 4 Methylphenol		ND		13	42
1,4-Dichlorobenzene		ND		13	42
Bis(2-chloroethoxy)methane		ND		13	42
2-Chloronaphthalene		ND		13	42
N-Nitrosodi-n-propylamine		ND		13	42
4-Chlorophenyl phenyl ether		ND		13	42
4-Chloro-3-methylphenol		ND		13	84
Benzo[a]pyrene		ND		13	42
4-Methylphenol		ND		13	42
4-Nitroaniline		ND		35	210
2-Nitroaniline		ND		53	210
Caprolactam		ND		13	42
Carbazole		ND		13	42
4,6-Dinitro-2-methylphenol		ND		40	210
1-Methylnaphthalene		ND		13	42
N-Nitrosodiphenylamine		ND		13	42
Atrazine		ND		13	42
Phenyl ether		ND		13	42
Benzaldehyde		ND		13	42
Azobenzene		ND	*	13	42
Hexachlorocyclopentadiene		ND		13	84
3-Nitroaniline		ND		13	210
N-Nitrosodimethylamine		ND		13	42
Benzyl alcohol		ND		13	84
1,1'-Biphenyl		ND		13	42
2,3,4,6-Tetrachlorophenol		ND		13	42
Benzophenone		ND		13	42
Benzoic acid		ND		19	210
1,2,4,5-Tetrachlorobenzene		ND		13	42

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	114		30 - 130
2-Fluorophenol	85		30 - 130
Nitrobenzene-d5	73		30 - 130
Phenol-d5	76		30 - 130
2-Fluorobiphenyl	107		30 - 130
p-Terphenyl-d14	77		30 - 130

Client: Olin Corporation

Job Number: 480-30346-1

Client Sample ID: **OC-SB-519-12/14-XXX**

Lab Sample ID: 480-30346-6

Client Matrix: Solid

% Moisture: 21.7

Date Sampled: 12/14/2012 0940

Date Received: 12/14/2012 1700

8270D Semivolatile Organic Compounds (GC/MS) Low Level

Analysis Method:	8270D	Analysis Batch:	480-96803	Instrument ID:	HP5973X
Prep Method:	3546	Prep Batch:	480-96561	Lab File ID:	X3208.D
Dilution:	1.0			Initial Weight/Volume:	000030.6 g
Analysis Date:	12/20/2012 1749			Final Weight/Volume:	1 mL
Prep Date:	12/19/2012 0930			Injection Volume:	1 uL

Tentatively Identified Compounds **Number TIC's Found:** **10**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	3.85	77	T J
	Unknown	4.22	6200	T J
	Unknown	4.24	40	T J
	Unknown	6.34	31	T J
	Unknown	13.77	29	T J
	Unknown	16.13	32	T J
	Unknown	16.40	190	T J
7683-64-9	Squalene	16.47	230	T J N
	Unknown	16.68	55	T J
	Unknown	16.99	91	T J

Client: Olin Corporation

Job Number: 480-30346-1

Client Sample ID: **OC-SB-518-0.0/1.0-XXX**

Lab Sample ID: 480-30346-7

Client Matrix: Solid

% Moisture: 28.7

Date Sampled: 12/14/2012 0955

Date Received: 12/14/2012 1700

8270D Semivolatile Organic Compounds (GC/MS) Low Level

Analysis Method:	8270D	Analysis Batch:	480-97046	Instrument ID:	HP5973X
Prep Method:	3546	Prep Batch:	480-96561	Lab File ID:	X3231.D
Dilution:	500			Initial Weight/Volume:	000030.7 g
Analysis Date:	12/21/2012 1508			Final Weight/Volume:	1 mL
Prep Date:	12/19/2012 0930			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Bis(2-ethylhexyl) phthalate		340000		46000	110000
2,4,5-Trichlorophenol		ND		7500	23000
Aniline		ND		6900	23000
Hexachloroethane		ND		6900	23000
Dimethyl phthalate		ND		6900	23000
2,4-Dimethylphenol		ND		6900	23000
Isophorone		ND		6900	23000
Fluorene		ND		6900	23000
Dibenzofuran		ND		6900	23000
Acenaphthylene		ND		6900	23000
2,4-Dichlorophenol		ND		6900	23000
Benzo[g,h,i]perylene		ND		6900	23000
Hexachlorobenzene		ND		6900	23000
Di-n-octyl phthalate		ND		6900	23000
Hexachlorobutadiene		ND		6900	23000
Phenanthrene		ND		6900	23000
2-Nitrophenol		ND		8900	23000
Benzo[k]fluoranthene		ND		12000	23000
2,4-Dinitrophenol		ND	*	18000	23000
Anthracene		ND		6900	23000
2-Methylnaphthalene		ND		6900	23000
Di-n-butyl phthalate		ND		34000	110000
1,2,4-Trichlorobenzene		ND		6900	23000
Pyrene		ND		6900	23000
2,4-Dinitrotoluene		ND		6900	23000
Dibenz(a,h)anthracene		ND		6900	23000
1,3-Dichlorobenzene		ND		6900	23000
Nitrobenzene		ND		6900	23000
Naphthalene		ND		6900	23000
2,4,6-Trichlorophenol		ND		9600	23000
Pentachlorophenol		ND		6900	23000
Fluoranthene		ND		6900	23000
3,3'-Dichlorobenzidine		ND		8200	46000
4-Bromophenyl phenyl ether		ND		6900	23000
Diethyl phthalate		ND		7500	23000
2-Methylphenol		ND		6900	23000
1,2-Dichlorobenzene		ND		6900	23000
2,2'-oxybis[1-chloropropane]		ND		6900	23000
Acetophenone		ND		6900	23000
Bis(2-chloroethyl)ether		ND		6900	23000
Benzo[a]anthracene		ND		6900	23000
Indeno[1,2,3-cd]pyrene		ND		6900	23000
Butyl benzyl phthalate		ND		6900	23000
Chrysene		ND		6900	23000
Acenaphthene		ND		6900	23000
Benzo[b]fluoranthene		ND		6900	23000

Client: Olin Corporation

Job Number: 480-30346-1

Client Sample ID: **OC-SB-518-0.0/1.0-XXX**

Lab Sample ID: 480-30346-7

Client Matrix: Solid

% Moisture: 28.7

Date Sampled: 12/14/2012 0955

Date Received: 12/14/2012 1700

8270D Semivolatile Organic Compounds (GC/MS) Low Level

Analysis Method:	8270D	Analysis Batch:	480-97046	Instrument ID:	HP5973X
Prep Method:	3546	Prep Batch:	480-96561	Lab File ID:	X3231.D
Dilution:	500			Initial Weight/Volume:	000030.7 g
Analysis Date:	12/21/2012 1508			Final Weight/Volume:	1 mL
Prep Date:	12/19/2012 0930			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4-Nitrophenol		ND	*	9600	110000
4-Chloroaniline		ND		21000	46000
2-Chlorophenol		ND		6900	23000
2,6-Dinitrotoluene		ND		19000	23000
Phenol		ND		6900	23000
3 & 4 Methylphenol		ND		6900	23000
1,4-Dichlorobenzene		ND		6900	23000
Bis(2-chloroethoxy)methane		ND		6900	23000
2-Chloronaphthalene		ND		6900	23000
N-Nitrosodi-n-propylamine		ND		6900	23000
4-Chlorophenyl phenyl ether		ND		6900	23000
4-Chloro-3-methylphenol		ND		6900	46000
Benzo[a]pyrene		ND		6900	23000
4-Methylphenol		ND		6900	23000
4-Nitroaniline		ND		19000	110000
2-Nitroaniline		ND		29000	110000
Caprolactam		ND		6900	23000
Carbazole		ND		6900	23000
4,6-Dinitro-2-methylphenol		ND		22000	110000
1-Methylnaphthalene		ND		6900	23000
N-Nitrosodiphenylamine		ND		6900	23000
Atrazine		ND		6900	23000
Phenyl ether		ND		6900	23000
Benzaldehyde		ND		6900	23000
Azobenzene		ND	*	6900	23000
Hexachlorocyclopentadiene		ND		6900	46000
3-Nitroaniline		ND		6900	110000
N-Nitrosodimethylamine		ND		6900	23000
Benzyl alcohol		ND		6900	46000
1,1'-Biphenyl		ND		6900	23000
2,3,4,6-Tetrachlorophenol		ND		6900	23000
Benzophenone		ND		6900	23000
Benzoic acid		ND		10000	110000
1,2,4,5-Tetrachlorobenzene		ND		6900	23000

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	0	X	30 - 130
2-Fluorophenol	0	X	30 - 130
Nitrobenzene-d5	0	X	30 - 130
Phenol-d5	0	X	30 - 130
2-Fluorobiphenyl	0	X	30 - 130
p-Terphenyl-d14	0	X	30 - 130

Client: Olin Corporation

Job Number: 480-30346-1

Client Sample ID: **OC-SB-518-0.0/1.0-XXX**

Lab Sample ID: 480-30346-7

Client Matrix: Solid

% Moisture: 28.7

Date Sampled: 12/14/2012 0955

Date Received: 12/14/2012 1700

8270D Semivolatile Organic Compounds (GC/MS) Low Level

Analysis Method:	8270D	Analysis Batch:	480-97046	Instrument ID:	HP5973X
Prep Method:	3546	Prep Batch:	480-96561	Lab File ID:	X3231.D
Dilution:	500			Initial Weight/Volume:	000030.7 g
Analysis Date:	12/21/2012 1508			Final Weight/Volume:	1 mL
Prep Date:	12/19/2012 0930			Injection Volume:	1 uL

Tentatively Identified Compounds **Number TIC's Found:** **3**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
84-74-2	Dibutyl phthalate	14.87	12000	T J N
	Unknown	15.85	17000	T J
	Unknown	16.99	34000	T J

Client: Olin Corporation

Job Number: 480-30346-1

Client Sample ID: **OC-SB-518-8.0/10-XXX**

Lab Sample ID: 480-30346-8

Client Matrix: Solid

% Moisture: 21.0

Date Sampled: 12/14/2012 1005

Date Received: 12/14/2012 1700

8270D Semivolatile Organic Compounds (GC/MS) Low Level

Analysis Method:	8270D	Analysis Batch:	480-96803	Instrument ID:	HP5973X
Prep Method:	3546	Prep Batch:	480-96561	Lab File ID:	X3210.D
Dilution:	1.0			Initial Weight/Volume:	000030.4 g
Analysis Date:	12/20/2012 1840			Final Weight/Volume:	1 mL
Prep Date:	12/19/2012 0930			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Bis(2-ethylhexyl) phthalate		ND		84	210
2,4,5-Trichlorophenol		ND		14	42
Aniline		ND		12	42
Hexachloroethane		ND		12	42
Dimethyl phthalate		ND		12	42
2,4-Dimethylphenol		ND		12	42
Isophorone		ND		12	42
Fluorene		ND		12	42
Dibenzofuran		ND		12	42
Acenaphthylene		ND		12	42
2,4-Dichlorophenol		ND		12	42
Benzo[g,h,i]perylene		ND		12	42
Hexachlorobenzene		ND		12	42
Di-n-octyl phthalate		ND		12	42
Hexachlorobutadiene		ND		12	42
Phenanthrene		ND		12	42
2-Nitrophenol		ND		16	42
Benzo[k]fluoranthene		ND		21	42
2,4-Dinitrophenol		ND	*	34	42
Anthracene		ND		12	42
2-Methylnaphthalene		ND		12	42
Di-n-butyl phthalate		ND		62	210
1,2,4-Trichlorobenzene		ND		12	42
Pyrene		ND		12	42
2,4-Dinitrotoluene		ND		12	42
Dibenz(a,h)anthracene		ND		12	42
1,3-Dichlorobenzene		ND		12	42
Nitrobenzene		ND		12	42
Naphthalene		ND		12	42
2,4,6-Trichlorophenol		ND		17	42
Pentachlorophenol		ND		12	42
Fluoranthene		ND		12	42
3,3'-Dichlorobenzidine		ND		15	83
4-Bromophenyl phenyl ether		ND		12	42
Diethyl phthalate		ND		14	42
2-Methylphenol		ND		12	42
1,2-Dichlorobenzene		ND		12	42
2,2'-oxybis[1-chloropropane]		ND		12	42
Acetophenone		ND		12	42
Bis(2-chloroethyl)ether		ND		12	42
Benzo[a]anthracene		ND		12	42
Indeno[1,2,3-cd]pyrene		ND		12	42
Butyl benzyl phthalate		ND		12	42
Chrysene		ND		12	42
Acenaphthene		ND		12	42
Benzo[b]fluoranthene		ND		12	42

Client: Olin Corporation

Job Number: 480-30346-1

Client Sample ID: **OC-SB-518-8.0/10-XXX**

Lab Sample ID: 480-30346-8

Client Matrix: Solid

% Moisture: 21.0

Date Sampled: 12/14/2012 1005

Date Received: 12/14/2012 1700

8270D Semivolatile Organic Compounds (GC/MS) Low Level

Analysis Method:	8270D	Analysis Batch:	480-96803	Instrument ID:	HP5973X
Prep Method:	3546	Prep Batch:	480-96561	Lab File ID:	X3210.D
Dilution:	1.0			Initial Weight/Volume:	000030.4 g
Analysis Date:	12/20/2012 1840			Final Weight/Volume:	1 mL
Prep Date:	12/19/2012 0930			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4-Nitrophenol		ND	*	17	210
4-Chloroaniline		ND		37	83
2-Chlorophenol		ND		12	42
2,6-Dinitrotoluene		ND		35	42
Phenol		ND		12	42
3 & 4 Methylphenol		ND		12	42
1,4-Dichlorobenzene		ND		12	42
Bis(2-chloroethoxy)methane		ND		12	42
2-Chloronaphthalene		ND		12	42
N-Nitrosodi-n-propylamine		ND		12	42
4-Chlorophenyl phenyl ether		ND		12	42
4-Chloro-3-methylphenol		ND		12	83
Benzo[a]pyrene		ND		12	42
4-Methylphenol		ND		12	42
4-Nitroaniline		ND		35	210
2-Nitroaniline		ND		52	210
Caprolactam		ND		12	42
Carbazole		ND		12	42
4,6-Dinitro-2-methylphenol		ND		40	210
1-Methylnaphthalene		ND		12	42
N-Nitrosodiphenylamine		ND		12	42
Atrazine		ND		12	42
Phenyl ether		ND		12	42
Benzaldehyde		ND		12	42
Azobenzene		ND	*	12	42
Hexachlorocyclopentadiene		ND		12	83
3-Nitroaniline		ND		12	210
N-Nitrosodimethylamine		ND		12	42
Benzyl alcohol		ND		12	83
1,1'-Biphenyl		ND		12	42
2,3,4,6-Tetrachlorophenol		ND		12	42
Benzophenone		ND		12	42
Benzoic acid		ND		19	210
1,2,4,5-Tetrachlorobenzene		ND		12	42

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	81		30 - 130
2-Fluorophenol	54		30 - 130
Nitrobenzene-d5	55		30 - 130
Phenol-d5	65		30 - 130
2-Fluorobiphenyl	78		30 - 130
p-Terphenyl-d14	65		30 - 130

Client: Olin Corporation

Job Number: 480-30346-1

Client Sample ID: **OC-SB-518-8.0/10-XXX**

Lab Sample ID: 480-30346-8

Client Matrix: Solid

% Moisture: 21.0

Date Sampled: 12/14/2012 1005

Date Received: 12/14/2012 1700

8270D Semivolatile Organic Compounds (GC/MS) Low Level

Analysis Method:	8270D	Analysis Batch:	480-96803	Instrument ID:	HP5973X
Prep Method:	3546	Prep Batch:	480-96561	Lab File ID:	X3210.D
Dilution:	1.0			Initial Weight/Volume:	000030.4 g
Analysis Date:	12/20/2012 1840			Final Weight/Volume:	1 mL
Prep Date:	12/19/2012 0930			Injection Volume:	1 uL

Tentatively Identified Compounds **Number TIC's Found:** **10**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	3.86	63	T J
	Unknown	4.22	4700	T J
	Unknown	4.24	32	T J
95-47-6	Benzene, 1,2-dimethyl-	4.67	1100	T J N
	Unknown	6.35	27	T J
	Unknown	13.78	34	T J
	Unknown	16.14	30	T J
	Unknown	16.41	63	T J
	Unknown	16.47	100	T J
	Unknown	16.69	40	T J

Client: Olin Corporation | Job Number: 480-30346-1

Client Sample ID: **OC-SB-518-13/15-XXX**

Lab Sample ID: 480-30346-9 | Date Sampled: 12/14/2012 1015
Client Matrix: Solid | % Moisture: 19.5 | Date Received: 12/14/2012 1700

8270D Semivolatile Organic Compounds (GC/MS) Low Level

Analysis Method:	8270D	Analysis Batch:	480-97046	Instrument ID:	HP5973X
Prep Method:	3546	Prep Batch:	480-96561	Lab File ID:	X3226.D
Dilution:	20			Initial Weight/Volume:	000030.3 g
Analysis Date:	12/21/2012 1154			Final Weight/Volume:	1 mL
Prep Date:	12/19/2012 0930			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Bis(2-ethylhexyl) phthalate		12000		1600	4100
2,4,5-Trichlorophenol		ND		270	820
Aniline		ND		250	820
Hexachloroethane		ND		250	820
Dimethyl phthalate		ND		250	820
2,4-Dimethylphenol		ND		250	820
Isophorone		ND		250	820
Fluorene		ND		250	820
Dibenzofuran		ND		250	820
Acenaphthylene		ND		250	820
2,4-Dichlorophenol		ND		250	820
Benzo[g,h,i]perylene		ND		250	820
Hexachlorobenzene		ND		250	820
Di-n-octyl phthalate		ND		250	820
Hexachlorobutadiene		ND		250	820
Phenanthrene		ND		250	820
2-Nitrophenol		ND		320	820
Benzo[k]fluoranthene		ND		420	820
2,4-Dinitrophenol		ND	*	660	820
Anthracene		ND		250	820
2-Methylnaphthalene		ND		250	820
Di-n-butyl phthalate		ND		1200	4100
1,2,4-Trichlorobenzene		ND		250	820
Pyrene		ND		250	820
2,4-Dinitrotoluene		ND		250	820
Dibenz(a,h)anthracene		ND		250	820
1,3-Dichlorobenzene		ND		250	820
Nitrobenzene		ND		250	820
Naphthalene		ND		250	820
2,4,6-Trichlorophenol		ND		340	820
Pentachlorophenol		ND		250	820
Fluoranthene		ND		250	820
3,3'-Dichlorobenzidine		ND		300	1600
4-Bromophenyl phenyl ether		ND		250	820
Diethyl phthalate		ND		270	820
2-Methylphenol		ND		250	820
1,2-Dichlorobenzene		ND		250	820
2,2'-oxybis[1-chloropropane]		ND		250	820
Acetophenone		ND		250	820
Bis(2-chloroethyl)ether		ND		250	820
Benzo[a]anthracene		ND		250	820
Indeno[1,2,3-cd]pyrene		ND		250	820
Butyl benzyl phthalate		ND		250	820
Chrysene		ND		250	820
Acenaphthene		ND		250	820
Benzo[b]fluoranthene		ND		250	820

Client: Olin Corporation

Job Number: 480-30346-1

Client Sample ID: **OC-SB-518-13/15-XXX**

Lab Sample ID: 480-30346-9

Client Matrix: Solid

% Moisture: 19.5

Date Sampled: 12/14/2012 1015

Date Received: 12/14/2012 1700

8270D Semivolatile Organic Compounds (GC/MS) Low Level

Analysis Method:	8270D	Analysis Batch:	480-97046	Instrument ID:	HP5973X
Prep Method:	3546	Prep Batch:	480-96561	Lab File ID:	X3226.D
Dilution:	20			Initial Weight/Volume:	000030.3 g
Analysis Date:	12/21/2012 1154			Final Weight/Volume:	1 mL
Prep Date:	12/19/2012 0930			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4-Nitrophenol		ND	*	340	4100
4-Chloroaniline		ND		740	1600
2-Chlorophenol		ND		250	820
2,6-Dinitrotoluene		ND		690	820
Phenol		ND		250	820
3 & 4 Methylphenol		ND		250	820
1,4-Dichlorobenzene		ND		250	820
Bis(2-chloroethoxy)methane		ND		250	820
2-Chloronaphthalene		ND		250	820
N-Nitrosodi-n-propylamine		ND		250	820
4-Chlorophenyl phenyl ether		ND		250	820
4-Chloro-3-methylphenol		ND		250	1600
Benzo[a]pyrene		ND		250	820
4-Methylphenol		ND		250	820
4-Nitroaniline		ND		690	4100
2-Nitroaniline		ND		1000	4100
Caprolactam		ND		250	820
Carbazole		ND		250	820
4,6-Dinitro-2-methylphenol		ND		790	4100
1-Methylnaphthalene		ND		250	820
N-Nitrosodiphenylamine		ND		250	820
Atrazine		ND		250	820
Phenyl ether		ND		250	820
Benzaldehyde		ND		250	820
Azobenzene		ND	*	250	820
Hexachlorocyclopentadiene		ND		250	1600
3-Nitroaniline		ND		250	4100
N-Nitrosodimethylamine		ND		250	820
Benzyl alcohol		ND		250	1600
1,1'-Biphenyl		ND		250	820
2,3,4,6-Tetrachlorophenol		ND		250	820
Benzophenone		ND		250	820
Benzoic acid		ND		370	4100
1,2,4,5-Tetrachlorobenzene		ND		250	820

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	0	X	30 - 130
2-Fluorophenol	0	X	30 - 130
Nitrobenzene-d5	0	X	30 - 130
Phenol-d5	0	X	30 - 130
2-Fluorobiphenyl	0	X	30 - 130
p-Terphenyl-d14	0	X	30 - 130

Client: Olin Corporation

Job Number: 480-30346-1

Client Sample ID: **OC-SB-518-13/15-XXX**

Lab Sample ID: 480-30346-9

Client Matrix: Solid

% Moisture: 19.5

Date Sampled: 12/14/2012 1015

Date Received: 12/14/2012 1700

8270D Semivolatile Organic Compounds (GC/MS) Low Level

Analysis Method:	8270D	Analysis Batch:	480-97046	Instrument ID:	HP5973X
Prep Method:	3546	Prep Batch:	480-96561	Lab File ID:	X3226.D
Dilution:	20			Initial Weight/Volume:	000030.3 g
Analysis Date:	12/21/2012 1154			Final Weight/Volume:	1 mL
Prep Date:	12/19/2012 0930			Injection Volume:	1 uL

Tentatively Identified Compounds **Number TIC's Found:** **5**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	4.18	6800	T J
108-38-3	Benzene, 1,3-dimethyl-	4.66	1700	T J N
	Unknown	15.07	410	T J
	Unknown	15.88	510	T J
	Unknown	17.01	1000	T J

Client: Olin Corporation

Job Number: 480-30346-1

Client Sample ID: **OC-SB-521-0.0/1.0-XXX**

Lab Sample ID: 480-30346-1

Client Matrix: Solid

% Moisture: 82.4

Date Sampled: 12/14/2012 0810

Date Received: 12/14/2012 1700

7199 Chromium, Hexavalent (IC)

Analysis Method:	7199	Analysis Batch:	440-76762	Instrument ID:	IC-16
Prep Method:	3060A	Prep Batch:	440-76769	Lab File ID:	Info
Dilution:	1000			Initial Weight/Volume:	1.2552 g
Analysis Date:	01/03/2013 2332			Final Weight/Volume:	50 mL
Prep Date:	01/03/2013 0901			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Cr (VI)		ND		85	110

Client: Olin Corporation

Job Number: 480-30346-1

Client Sample ID: **OC-SB-521-8.0/10-XXX**

Lab Sample ID: 480-30346-2

Client Matrix: Solid

% Moisture: 20.1

Date Sampled: 12/14/2012 0820

Date Received: 12/14/2012 1700

7199 Chromium, Hexavalent (IC)

Analysis Method:	7199	Analysis Batch:	440-76762	Instrument ID:	IC-16
Prep Method:	3060A	Prep Batch:	440-76769	Lab File ID:	Info
Dilution:	10			Initial Weight/Volume:	1.2548 g
Analysis Date:	01/04/2013 0022			Final Weight/Volume:	50 mL
Prep Date:	01/03/2013 0901			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Cr (VI)		0.27		0.19	0.25

Client: Olin Corporation

Job Number: 480-30346-1

Client Sample ID: **OC-SB-521-16/18-XXX**

Lab Sample ID: 480-30346-3

Client Matrix: Solid

% Moisture: 17.7

Date Sampled: 12/14/2012 0845

Date Received: 12/14/2012 1700

7199 Chromium, Hexavalent (IC)

Analysis Method:	7199	Analysis Batch:	440-77774	Instrument ID:	IC-16
Prep Method:	3060A	Prep Batch:	440-77607	Lab File ID:	Info
Dilution:	100			Initial Weight/Volume:	1.25 g
Analysis Date:	01/09/2013 1206			Final Weight/Volume:	50 mL
Prep Date:	01/08/2013 1155			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Cr (VI)		48		1.8	2.4

Client: Olin Corporation

Job Number: 480-30346-1

Client Sample ID: **OC-SB-519-0.0/1.0-XXX**

Lab Sample ID: 480-30346-4

Client Matrix: Solid

% Moisture: 33.8

Date Sampled: 12/14/2012 0900

Date Received: 12/14/2012 1700

7199 Chromium, Hexavalent (IC)

Analysis Method:	7199	Analysis Batch:	440-76762	Instrument ID:	IC-16
Prep Method:	3060A	Prep Batch:	440-76769	Lab File ID:	Info
Dilution:	1000			Initial Weight/Volume:	1.2549 g
Analysis Date:	01/04/2013 0048			Final Weight/Volume:	50 mL
Prep Date:	01/03/2013 0901			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Cr (VI)		ND		23	30

Client: Olin Corporation

Job Number: 480-30346-1

Client Sample ID: **OC-SB-519-8.0/10-XXX**

Lab Sample ID: 480-30346-5

Client Matrix: Solid

% Moisture: 24.1

Date Sampled: 12/14/2012 0920

Date Received: 12/14/2012 1700

7199 Chromium, Hexavalent (IC)

Analysis Method:	7199	Analysis Batch:	440-76762	Instrument ID:	IC-16
Prep Method:	3060A	Prep Batch:	440-76769	Lab File ID:	Info
Dilution:	10			Initial Weight/Volume:	1.2520 g
Analysis Date:	01/04/2013 0100			Final Weight/Volume:	50 mL
Prep Date:	01/03/2013 0901			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Cr (VI)		0.29		0.20	0.26

Client: Olin Corporation

Job Number: 480-30346-1

Client Sample ID: **OC-SB-519-12/14-XXX**

Lab Sample ID: 480-30346-6

Client Matrix: Solid

% Moisture: 21.7

Date Sampled: 12/14/2012 0940

Date Received: 12/14/2012 1700

7199 Chromium, Hexavalent (IC)

Analysis Method:	7199	Analysis Batch:	440-76762	Instrument ID:	IC-16
Prep Method:	3060A	Prep Batch:	440-76769	Lab File ID:	Info
Dilution:	10			Initial Weight/Volume:	1.2516 g
Analysis Date:	01/04/2013 0138			Final Weight/Volume:	50 mL
Prep Date:	01/03/2013 0901			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Cr (VI)		2.2		0.19	0.26

Client: Olin Corporation

Job Number: 480-30346-1

Client Sample ID: **OC-SB-518-0.0/1.0-XXX**

Lab Sample ID: 480-30346-7

Client Matrix: Solid

% Moisture: 28.7

Date Sampled: 12/14/2012 0955

Date Received: 12/14/2012 1700

7199 Chromium, Hexavalent (IC)

Analysis Method:	7199	Analysis Batch:	440-76762	Instrument ID:	IC-16
Prep Method:	3060A	Prep Batch:	440-76769	Lab File ID:	Info
Dilution:	1000			Initial Weight/Volume:	1.2527 g
Analysis Date:	01/04/2013 0151			Final Weight/Volume:	50 mL
Prep Date:	01/03/2013 0901			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Cr (VI)		ND		21	28

Client: Olin Corporation

Job Number: 480-30346-1

Client Sample ID: **OC-SB-518-8.0/10-XXX**

Lab Sample ID: 480-30346-8

Client Matrix: Solid

% Moisture: 21.0

Date Sampled: 12/14/2012 1005

Date Received: 12/14/2012 1700

7199 Chromium, Hexavalent (IC)

Analysis Method:	7199	Analysis Batch:	440-76762	Instrument ID:	IC-16
Prep Method:	3060A	Prep Batch:	440-76769	Lab File ID:	Info
Dilution:	10			Initial Weight/Volume:	1.2510 g
Analysis Date:	01/04/2013 0204			Final Weight/Volume:	50 mL
Prep Date:	01/03/2013 0901			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Cr (VI)		ND		0.19	0.25

Client: Olin Corporation

Job Number: 480-30346-1

Client Sample ID: **OC-SB-518-13/15-XXX**

Lab Sample ID: 480-30346-9

Client Matrix: Solid

% Moisture: 19.5

Date Sampled: 12/14/2012 1015

Date Received: 12/14/2012 1700

7199 Chromium, Hexavalent (IC)

Analysis Method:	7199	Analysis Batch:	440-76762	Instrument ID:	IC-16
Prep Method:	3060A	Prep Batch:	440-76769	Lab File ID:	Info
Dilution:	10			Initial Weight/Volume:	1.2559 g
Analysis Date:	01/04/2013 0216			Final Weight/Volume:	50 mL
Prep Date:	01/03/2013 0901			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Cr (VI)		36		0.19	0.25

Client: Olin Corporation

Job Number: 480-30346-1

Client Sample ID: **OC-SB-509-0.0/1.0-XXX**

Lab Sample ID: 480-30346-10

Client Matrix: Solid

% Moisture: 25.3

Date Sampled: 12/14/2012 1045

Date Received: 12/14/2012 1700

7199 Chromium, Hexavalent (IC)

Analysis Method:	7199	Analysis Batch:	440-77774	Instrument ID:	IC-16
Prep Method:	3060A	Prep Batch:	440-77607	Lab File ID:	Info
Dilution:	1000			Initial Weight/Volume:	1.24 g
Analysis Date:	01/09/2013 0907			Final Weight/Volume:	50 mL
Prep Date:	01/08/2013 1155			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Cr (VI)		ND		20	27

General Chemistry

Client Sample ID: **OC-SB-521-0.0/1.0-XXX**

Lab Sample ID: 480-30346-1

Client Matrix: Solid

Date Sampled: 12/14/2012 0810

Date Received: 12/14/2012 1700

Analyte	Result	Qual	Units	RL	RL	Dil	Method
pH-Soluble	3.80		SU	1.00	1.00	1.0	9045C
Analysis Batch: 360-97422	Analysis Date: 12/14/2012 1729						DryWt Corrected: N
Percent Moisture	82		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-140539	Analysis Date: 12/19/2012 1724						DryWt Corrected: N
Percent Solids	18		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-140539	Analysis Date: 12/19/2012 1724						DryWt Corrected: N
Oxidation Reduction Potential-Soluble	84		millivolts	0.010	0.010	1.0	SM 2580B
Analysis Batch: 360-97423	Analysis Date: 12/14/2012 1729						DryWt Corrected: N

General Chemistry

Client Sample ID: **OC-SB-521-8.0/10-XXX**

Lab Sample ID: 480-30346-2 Date Sampled: 12/14/2012 0820
Client Matrix: Solid Date Received: 12/14/2012 1700

Analyte	Result	Qual	Units	RL	RL	Dil	Method
pH-Soluble	5.52		SU	1.00	1.00	1.0	9045C
Analysis Batch: 360-97422	Analysis Date: 12/14/2012 1736						DryWt Corrected: N
Percent Moisture	20		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-140539	Analysis Date: 12/19/2012 1724						DryWt Corrected: N
Percent Solids	80		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-140539	Analysis Date: 12/19/2012 1724						DryWt Corrected: N
Oxidation Reduction Potential-Soluble	42		millivolts	0.010	0.010	1.0	SM 2580B
Analysis Batch: 360-97423	Analysis Date: 12/14/2012 1736						DryWt Corrected: N

General Chemistry

Client Sample ID: **OC-SB-521-16/18-XXX**

Lab Sample ID: 480-30346-3 Date Sampled: 12/14/2012 0845
Client Matrix: Solid Date Received: 12/14/2012 1700

Analyte	Result	Qual	Units	RL	RL	Dil	Method
pH-Soluble	5.82		SU	1.00	1.00	1.0	9045C
Analysis Batch: 360-97422	Analysis Date: 12/14/2012 1739						DryWt Corrected: N
Percent Moisture	18		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-140539	Analysis Date: 12/19/2012 1724						DryWt Corrected: N
Percent Solids	82		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-140539	Analysis Date: 12/19/2012 1724						DryWt Corrected: N
Oxidation Reduction Potential-Soluble	34		millivolts	0.010	0.010	1.0	SM 2580B
Analysis Batch: 360-97423	Analysis Date: 12/14/2012 1739						DryWt Corrected: N

General Chemistry

Client Sample ID: **OC-SB-519-0.0/1.0-XXX**

Lab Sample ID: 480-30346-4

Client Matrix: Solid

Date Sampled: 12/14/2012 0900

Date Received: 12/14/2012 1700

Analyte	Result	Qual	Units	RL	RL	Dil	Method
pH-Soluble	5.94		SU	1.00	1.00	1.0	9045C
Analysis Batch: 360-97422	Analysis Date: 12/14/2012 1742						DryWt Corrected: N
Percent Moisture	34		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-140539	Analysis Date: 12/19/2012 1724						DryWt Corrected: N
Percent Solids	66		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-140539	Analysis Date: 12/19/2012 1724						DryWt Corrected: N
Oxidation Reduction Potential-Soluble	17		millivolts	0.010	0.010	1.0	SM 2580B
Analysis Batch: 360-97423	Analysis Date: 12/14/2012 1742						DryWt Corrected: N

General Chemistry

Client Sample ID: **OC-SB-519-8.0/10-XXX**

Lab Sample ID: 480-30346-5 Date Sampled: 12/14/2012 0920
Client Matrix: Solid Date Received: 12/14/2012 1700

Analyte	Result	Qual	Units	RL	RL	Dil	Method
pH-Soluble	7.18		SU	1.00	1.00	1.0	9045C
Analysis Batch: 360-97422	Analysis Date: 12/14/2012 1745						DryWt Corrected: N
Percent Moisture	24		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-140539	Analysis Date: 12/19/2012 1724						DryWt Corrected: N
Percent Solids	76		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-140539	Analysis Date: 12/19/2012 1724						DryWt Corrected: N
Oxidation Reduction Potential-Soluble	14		millivolts	0.010	0.010	1.0	SM 2580B
Analysis Batch: 360-97423	Analysis Date: 12/14/2012 1745						DryWt Corrected: N

General Chemistry

Client Sample ID: **OC-SB-519-12/14-XXX**

Lab Sample ID: 480-30346-6 Date Sampled: 12/14/2012 0940
Client Matrix: Solid Date Received: 12/14/2012 1700

Analyte	Result	Qual	Units	RL	RL	Dil	Method
pH-Soluble	6.58		SU	1.00	1.00	1.0	9045C
Analysis Batch: 360-97422	Analysis Date: 12/14/2012 1748						DryWt Corrected: N
Percent Moisture	22		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-140539	Analysis Date: 12/19/2012 1724						DryWt Corrected: N
Percent Solids	78		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-140539	Analysis Date: 12/19/2012 1724						DryWt Corrected: N
Oxidation Reduction Potential-Soluble	15		millivolts	0.010	0.010	1.0	SM 2580B
Analysis Batch: 360-97423	Analysis Date: 12/14/2012 1748						DryWt Corrected: N

General Chemistry

Client Sample ID: **OC-SB-518-0.0/1.0-XXX**

Lab Sample ID: 480-30346-7 Date Sampled: 12/14/2012 0955
Client Matrix: Solid Date Received: 12/14/2012 1700

Analyte	Result	Qual	Units	RL	RL	Dil	Method
pH-Soluble	6.47		SU	1.00	1.00	1.0	9045C
Analysis Batch: 360-97422	Analysis Date: 12/14/2012 1751						DryWt Corrected: N
Percent Moisture	29		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-140539	Analysis Date: 12/19/2012 1724						DryWt Corrected: N
Percent Solids	71		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-140539	Analysis Date: 12/19/2012 1724						DryWt Corrected: N
Oxidation Reduction Potential-Soluble	10		millivolts	0.010	0.010	1.0	SM 2580B
Analysis Batch: 360-97423	Analysis Date: 12/14/2012 1751						DryWt Corrected: N

General Chemistry

Client Sample ID: **OC-SB-518-8.0/10-XXX**

Lab Sample ID: 480-30346-8 Date Sampled: 12/14/2012 1005
Client Matrix: Solid Date Received: 12/14/2012 1700

Analyte	Result	Qual	Units	RL	RL	Dil	Method
pH-Soluble	6.77		SU	1.00	1.00	1.0	9045C
Analysis Batch: 360-97422	Analysis Date: 12/14/2012 1754						DryWt Corrected: N
Percent Moisture	21		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-140539	Analysis Date: 12/19/2012 1724						DryWt Corrected: N
Percent Solids	79		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-140539	Analysis Date: 12/19/2012 1724						DryWt Corrected: N
Oxidation Reduction Potential-Soluble	15		millivolts	0.010	0.010	1.0	SM 2580B
Analysis Batch: 360-97423	Analysis Date: 12/14/2012 1754						DryWt Corrected: N

General Chemistry

Client Sample ID: **OC-SB-518-13/15-XXX**

Lab Sample ID: 480-30346-9 Date Sampled: 12/14/2012 1015
Client Matrix: Solid Date Received: 12/14/2012 1700

Analyte	Result	Qual	Units	RL	RL	Dil	Method
pH-Soluble	6.52		SU	1.00	1.00	1.0	9045C
Analysis Batch: 360-97422	Analysis Date: 12/14/2012 1757						DryWt Corrected: N
Percent Moisture	20		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-140539	Analysis Date: 12/19/2012 1724						DryWt Corrected: N
Percent Solids	80		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-140539	Analysis Date: 12/19/2012 1724						DryWt Corrected: N
Oxidation Reduction Potential-Soluble	7.0		millivolts	0.010	0.010	1.0	SM 2580B
Analysis Batch: 360-97423	Analysis Date: 12/14/2012 1757						DryWt Corrected: N

General Chemistry

Client Sample ID: **OC-SB-509-0.0/1.0-XXX**

Lab Sample ID: 480-30346-10 Date Sampled: 12/14/2012 1045
Client Matrix: Solid Date Received: 12/14/2012 1700

Analyte	Result	Qual	Units	RL	RL	Dil	Method
pH-Soluble	5.88		SU	1.00	1.00	1.0	9045C
Analysis Batch: 360-97422	Analysis Date: 12/14/2012 1800						DryWt Corrected: N
Percent Moisture	25		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-140539	Analysis Date: 12/19/2012 1724						DryWt Corrected: N
Percent Solids	75		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-140539	Analysis Date: 12/19/2012 1724						DryWt Corrected: N
Oxidation Reduction Potential-Soluble	9.0		millivolts	0.010	0.010	1.0	SM 2580B
Analysis Batch: 360-97423	Analysis Date: 12/14/2012 1800						DryWt Corrected: N

Client: Olin Corporation

Job Number: 480-30346-1

Surrogate Recovery Report

8260C Volatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCA %Rec	TOL %Rec	BFB %Rec
480-30346-7	OC-SB-518-0.0/1.0-XXX	88	88	80
480-30346-8	OC-SB-518-8.0/10-XXX	92	90	87
480-30346-9	OC-SB-518-13/15-XXX	89	89	86
MB 480-96559/7		81	96	83
LCS 480-96559/5		84	86	83
LCSD 480-96559/6		87	87	83

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	70-130
TOL = Toluene-d8 (Surr)	70-130
BFB = 4-Bromofluorobenzene (Surr)	70-130

Client: Olin Corporation

Job Number: 480-30346-1

Surrogate Recovery Report

8270D Semivolatile Organic Compounds (GC/MS) Low Level

Client Matrix: Solid

Lab Sample ID	Client Sample ID	2FP %Rec	PHL %Rec	NBZ %Rec	FBP %Rec	TBP %Rec	TPH %Rec
480-30346-4	OC-SB-519-0.0/1.0-XXX	71	66	75	76	83	56
480-30346-4 DL	OC-SB-519-0.0/1.0-XXX DL	0X	0X	0X	0X	0X	0X
480-30346-5	OC-SB-519-8.0/10-XXX	103	89	92	112	115	103
480-30346-6	OC-SB-519-12/14-XXX	85	76	73	107	114	77
480-30346-7	OC-SB-518-0.0/1.0-XXX	0X	0X	0X	0X	0X	0X
480-30346-8	OC-SB-518-8.0/10-XXX	54	65	55	78	81	65
480-30346-9	OC-SB-518-13/15-XXX	0X	0X	0X	0X	0X	0X
MB 480-96561/1-A		81	77	103	96	90	92
LCS 480-96561/2-A		77	86	86	97	84	91
LCSD 480-96561/3-A		81	97	87	96	90	88

Surrogate	Acceptance Limits
2FP = 2-Fluorophenol	30-130
PHL = Phenol-d5	30-130
NBZ = Nitrobenzene-d5	30-130
FBP = 2-Fluorobiphenyl	30-130
TBP = 2,4,6-Tribromophenol	30-130
TPH = p-Terphenyl-d14	30-130

Client: Olin Corporation

Job Number: 480-30346-1

Method Blank - Batch: 480-96559

Method: 8260C
Preparation: N/A

Lab Sample ID:	MB 480-96559/7	Analysis Batch:	480-96559	Instrument ID:	HP5973F
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	F4457.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	12/19/2012 1547	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
2,4,4-Trimethyl-1-pentene	ND		0.43	5.0
2,4,4-Trimethyl-2-pentene	ND		0.53	5.0

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	96	70 - 130
1,2-Dichloroethane-d4 (Surr)	81	70 - 130
4-Bromofluorobenzene (Surr)	83	70 - 130

Method Blank TICs- Batch: 480-96559

Cas Number	Analyte	RT	Est. Result	Qual
	Tentatively Identified Compound		None	

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 480-96559

Method: 8260C
Preparation: N/A

LCS Lab Sample ID:	LCS 480-96559/5	Analysis Batch:	480-96559	Instrument ID:	HP5973F
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	F4455.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	12/19/2012 1456	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 480-96559/6	Analysis Batch:	480-96559	Instrument ID:	HP5973F
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	F4456.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	12/19/2012 1521	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
2,4,4-Trimethyl-1-pentene	104	97	70 - 130	7	20		
2,4,4-Trimethyl-2-pentene	109	96	70 - 130	13	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Toluene-d8 (Surr)	86	87	70 - 130
1,2-Dichloroethane-d4 (Surr)	84	87	70 - 130
4-Bromofluorobenzene (Surr)	83	83	70 - 130

Client: Olin Corporation

Job Number: 480-30346-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 480-96559

Method: 8260C
Preparation: N/A

LCS Lab Sample ID:	LCS 480-96559/5	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 480-96559/6
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	12/19/2012 1456			Analysis Date:	12/19/2012 1521
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
2,4,4-Trimethyl-1-pentene	50.0	50.0	52.0	48.4
2,4,4-Trimethyl-2-pentene	50.0	50.0	54.6	47.9

Client: Olin Corporation

Job Number: 480-30346-1

Method Blank - Batch: 480-96561

Method: 8270D
Preparation: 3546

Lab Sample ID:	MB 480-96561/1-A	Analysis Batch:	480-96803	Instrument ID:	HP5973X
Client Matrix:	Solid	Prep Batch:	480-96561	Lab File ID:	X3202.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	000030.4 g
Analysis Date:	12/20/2012 1517	Units:	ug/Kg	Final Weight/Volume:	1 mL
Prep Date:	12/19/2012 0930			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Bis(2-ethylhexyl) phthalate	ND		66	160
2,4,5-Trichlorophenol	ND		11	33
Aniline	ND		9.9	33
Hexachloroethane	ND		9.9	33
Dimethyl phthalate	ND		9.9	33
2,4-Dimethylphenol	ND		9.9	33
Isophorone	ND		9.9	33
Fluorene	ND		9.9	33
Dibenzofuran	ND		9.9	33
Acenaphthylene	ND		9.9	33
2,4-Dichlorophenol	ND		9.9	33
Benzo[g,h,i]perylene	ND		9.9	33
Hexachlorobenzene	ND		9.9	33
Di-n-octyl phthalate	ND		9.9	33
Hexachlorobutadiene	ND		9.9	33
Phenanthrene	ND		9.9	33
2-Nitrophenol	ND		13	33
Benzo[k]fluoranthene	ND		17	33
2,4-Dinitrophenol	ND		27	33
Anthracene	ND		9.9	33
2-Methylnaphthalene	ND		9.9	33
Di-n-butyl phthalate	ND		49	160
1,2,4-Trichlorobenzene	ND		9.9	33
Pyrene	ND		9.9	33
2,4-Dinitrotoluene	ND		9.9	33
Dibenz(a,h)anthracene	ND		9.9	33
1,3-Dichlorobenzene	ND		9.9	33
Nitrobenzene	ND		9.9	33
Naphthalene	ND		9.9	33
2,4,6-Trichlorophenol	ND		14	33
Pentachlorophenol	ND		9.9	33
Fluoranthene	ND		9.9	33
3,3'-Dichlorobenzidine	ND		12	66
4-Bromophenyl phenyl ether	ND		9.9	33
Diethyl phthalate	ND		11	33
2-Methylphenol	ND		9.9	33
1,2-Dichlorobenzene	ND		9.9	33
2,2'-oxybis[1-chloropropane]	ND		9.9	33
Acetophenone	ND		9.9	33
Bis(2-chloroethyl)ether	ND		9.9	33
Benzo[a]anthracene	ND		9.9	33
Indeno[1,2,3-cd]pyrene	ND		9.9	33
Butyl benzyl phthalate	ND		9.9	33
Chrysene	ND		9.9	33
Acenaphthene	ND		9.9	33

Client: Olin Corporation

Job Number: 480-30346-1

Method Blank - Batch: 480-96561

Method: 8270D
Preparation: 3546

Lab Sample ID:	MB 480-96561/1-A	Analysis Batch:	480-96803	Instrument ID:	HP5973X
Client Matrix:	Solid	Prep Batch:	480-96561	Lab File ID:	X3202.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	000030.4 g
Analysis Date:	12/20/2012 1517	Units:	ug/Kg	Final Weight/Volume:	1 mL
Prep Date:	12/19/2012 0930			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Benzo[b]fluoranthene	ND		9.9	33
4-Nitrophenol	ND		14	160
4-Chloroaniline	ND		30	66
2-Chlorophenol	ND		9.9	33
2,6-Dinitrotoluene	ND		28	33
Phenol	ND		9.9	33
3 & 4 Methylphenol	ND		9.9	33
1,4-Dichlorobenzene	ND		9.9	33
Bis(2-chloroethoxy)methane	ND		9.9	33
2-Chloronaphthalene	ND		9.9	33
N-Nitrosodi-n-propylamine	ND		9.9	33
4-Chlorophenyl phenyl ether	ND		9.9	33
4-Chloro-3-methylphenol	ND		9.9	66
Benzo[a]pyrene	ND		9.9	33
4-Methylphenol	ND		9.9	33
4-Nitroaniline	ND		28	160
2-Nitroaniline	ND		41	160
Caprolactam	ND		9.9	33
Carbazole	ND		9.9	33
4,6-Dinitro-2-methylphenol	ND		32	160
1-Methylnaphthalene	ND		9.9	33
N-Nitrosodiphenylamine	ND		9.9	33
Atrazine	ND		9.9	33
Phenyl ether	ND		9.9	33
Benzaldehyde	ND		9.9	33
Azobenzene	ND		9.9	33
Hexachlorocyclopentadiene	ND		9.9	66
3-Nitroaniline	ND		9.9	160
N-Nitrosodimethylamine	ND		9.9	33
Benzyl alcohol	ND		9.9	66
1,1'-Biphenyl	ND		9.9	33
2,3,4,6-Tetrachlorophenol	ND		9.9	33
Benzophenone	ND		9.9	33
Benzoic acid	ND		15	160
1,2,4,5-Tetrachlorobenzene	ND		9.9	33

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol	90	30 - 130
2-Fluorophenol	81	30 - 130
Nitrobenzene-d5	103	30 - 130
Phenol-d5	77	30 - 130
2-Fluorobiphenyl	96	30 - 130
p-Terphenyl-d14	92	30 - 130

Client: Olin Corporation

Job Number: 480-30346-1

Method Blank TICs- Batch: 480-96561

Cas Number	Analyte	RT	Est. Result	Qual
	Unknown	3.85	77.6	T J
	Unknown	4.22	5300	T J
	Unknown	6.97	47.0	T J
54833-48-6	Heptadecane, 2,6,10,15-tetramethyl-	9.18	48.7	T J N
	Unknown	10.98	52.3	T J
31295-56-4	Dodecane, 2,6,11-trimethyl-	12.46	39.9	T J N
	Unknown	14.54	65.7	T J
111-6-8	Hexadecanoic acid, butyl ester	14.61	68.2	T J N
123-95-5	Octadecanoic acid, butyl ester	15.26	82.7	T J N
7683-64-9	Squalene	16.46	297	T J N

Client: Olin Corporation

Job Number: 480-30346-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 480-96561

Method: 8270D
Preparation: 3546

LCS Lab Sample ID:	LCS 480-96561/2-A	Analysis Batch:	480-96803	Instrument ID:	HP5973X
Client Matrix:	Solid	Prep Batch:	480-96561	Lab File ID:	X3203.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	000030.2 g
Analysis Date:	12/20/2012 1542	Units:	ug/Kg	Final Weight/Volume:	1 mL
Prep Date:	12/19/2012 0930			Injection Volume:	1 uL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 480-96561/3-A	Analysis Batch:	480-96803	Instrument ID:	HP5973X
Client Matrix:	Solid	Prep Batch:	480-96561	Lab File ID:	X3204.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	000030.2 g
Analysis Date:	12/20/2012 1608	Units:	ug/Kg	Final Weight/Volume:	1 mL
Prep Date:	12/19/2012 0930			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Bis(2-ethylhexyl) phthalate	87	96	40 - 140	9	30		
2,4,5-Trichlorophenol	93	96	30 - 130	3	30		
Aniline	77	81	40 - 140	5	30		
Hexachloroethane	79	81	40 - 140	3	30		
Dimethyl phthalate	90	96	40 - 140	7	30		
2,4-Dimethylphenol	91	94	30 - 130	3	30		
Isophorone	85	91	40 - 140	7	30		
Fluorene	85	89	40 - 140	4	30		
Dibenzofuran	95	97	40 - 140	1	30		
Acenaphthylene	93	96	40 - 140	3	30		
2,4-Dichlorophenol	86	93	30 - 130	8	30		
Benzo[g,h,i]perylene	60	58	40 - 140	4	30		
Hexachlorobenzene	97	96	40 - 140	1	30		
Di-n-octyl phthalate	108	113	40 - 140	4	30		
Hexachlorobutadiene	77	82	40 - 140	7	30		
Phenanthrene	95	96	40 - 140	1	30		
2-Nitrophenol	88	90	30 - 130	3	30		
Benzo[k]fluoranthene	112	114	40 - 140	2	30		
2,4-Dinitrophenol	95	44	30 - 130	74	30		*
Anthracene	96	98	40 - 140	2	30		
2-Methylnaphthalene	77	82	40 - 140	7	30		
Di-n-butyl phthalate	103	105	40 - 140	1	30		
1,2,4-Trichlorobenzene	79	84	40 - 140	6	30		
Pyrene	83	90	40 - 140	9	30		
2,4-Dinitrotoluene	89	91	40 - 140	3	30		
Dibenz(a,h)anthracene	63	65	40 - 140	3	30		
1,3-Dichlorobenzene	74	77	40 - 140	4	30		
Nitrobenzene	88	88	40 - 140	0	30		
Naphthalene	80	82	40 - 140	3	30		
2,4,6-Trichlorophenol	96	103	30 - 130	7	30		
Pentachlorophenol	88	98	30 - 130	11	30		
Fluoranthene	79	77	40 - 140	2	30		
3,3'-Dichlorobenzidine	85	91	40 - 140	7	30		
4-Bromophenyl phenyl ether	100	105	40 - 140	4	30		
Diethyl phthalate	90	95	40 - 140	5	30		
2-Methylphenol	98	90	30 - 130	9	30		

Client: Olin Corporation

Job Number: 480-30346-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 480-96561

Method: 8270D
Preparation: 3546

LCS Lab Sample ID:	LCS 480-96561/2-A	Analysis Batch:	480-96803	Instrument ID:	HP5973X
Client Matrix:	Solid	Prep Batch:	480-96561	Lab File ID:	X3203.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	000030.2 g
Analysis Date:	12/20/2012 1542	Units:	ug/Kg	Final Weight/Volume:	1 mL
Prep Date:	12/19/2012 0930			Injection Volume:	1 uL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 480-96561/3-A	Analysis Batch:	480-96803	Instrument ID:	HP5973X
Client Matrix:	Solid	Prep Batch:	480-96561	Lab File ID:	X3204.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	000030.2 g
Analysis Date:	12/20/2012 1608	Units:	ug/Kg	Final Weight/Volume:	1 mL
Prep Date:	12/19/2012 0930			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
1,2-Dichlorobenzene	77	80	40 - 140	4	30		
2,2'-oxybis[1-chloropropane]	73	79	40 - 140	7	30		
Acetophenone	95	102	40 - 140	7	30		
Bis(2-chloroethyl)ether	83	85	40 - 140	3	30		
Benzo[a]anthracene	105	105	40 - 140	0	30		
Indeno[1,2,3-cd]pyrene	60	61	40 - 140	2	30		
Butyl benzyl phthalate	84	92	40 - 140	8	30		
Chrysene	89	98	40 - 140	10	30		
Acenaphthene	81	85	40 - 140	4	30		
Benzo[b]fluoranthene	94	101	40 - 140	7	30		
4-Nitrophenol	90	14	30 - 130	147	30		J *
4-Chloroaniline	75	82	40 - 140	9	30		
2-Chlorophenol	89	92	30 - 130	3	30		
2,6-Dinitrotoluene	46	48	40 - 140	4	30		
Phenol	88	94	30 - 130	7	30		
1,4-Dichlorobenzene	78	78	40 - 140	0	30		
Bis(2-chloroethoxy)methane	89	89	40 - 140	0	30		
2-Chloronaphthalene	83	86	40 - 140	3	30		
N-Nitrosodi-n-propylamine	90	90		1			
4-Chlorophenyl phenyl ether	90	90		0			
4-Chloro-3-methylphenol	91	104		13			
Benzo[a]pyrene	89	93	40 - 140	5	30		
4-Methylphenol	99	97		2			
4-Nitroaniline	65	69		7			
2-Nitroaniline	96	105		9			
Caprolactam	87	117		29			
Carbazole	83	85		3			
4,6-Dinitro-2-methylphenol	71	83		15			
1-Methylnaphthalene	95	92		3			
N-Nitrosodiphenylamine	54	55		1			
Atrazine	82	100	40 - 140	20	30		
Phenyl ether	123	108		13			
Benzaldehyde	90	95		6			
Azobenzene	268	258	40 - 140	4	30	E *	E *
Hexachlorocyclopentadiene	72	76		5			
3-Nitroaniline	67	90		29			

Client: Olin Corporation

Job Number: 480-30346-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 480-96561

Method: 8270D
Preparation: 3546

LCS Lab Sample ID:	LCS 480-96561/2-A	Analysis Batch:	480-96803	Instrument ID:	HP5973X
Client Matrix:	Solid	Prep Batch:	480-96561	Lab File ID:	X3203.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	000030.2 g
Analysis Date:	12/20/2012 1542	Units:	ug/Kg	Final Weight/Volume:	1 mL
Prep Date:	12/19/2012 0930			Injection Volume:	1 uL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 480-96561/3-A	Analysis Batch:	480-96803	Instrument ID:	HP5973X
Client Matrix:	Solid	Prep Batch:	480-96561	Lab File ID:	X3204.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	000030.2 g
Analysis Date:	12/20/2012 1608	Units:	ug/Kg	Final Weight/Volume:	1 mL
Prep Date:	12/19/2012 0930			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
N-Nitrosodimethylamine	71	73		3			
Benzyl alcohol	66	54		21			
1,1'-Biphenyl	103	110		6			
2,3,4,6-Tetrachlorophenol	93	110		17			
Benzophenone	111	107		4			
Benzoic acid	127	142		11			
1,2,4,5-Tetrachlorobenzene	106	114		7			

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
2,4,6-Tribromophenol	84	90	30 - 130
2-Fluorophenol	77	81	30 - 130
Nitrobenzene-d5	86	87	30 - 130
Phenol-d5	86	97	30 - 130
2-Fluorobiphenyl	97	96	30 - 130
p-Terphenyl-d14	91	88	30 - 130

Client: Olin Corporation

Job Number: 480-30346-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 480-96561

Method: 8270D
Preparation: 3546

LCS Lab Sample ID:	LCS 480-96561/2-A	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 480-96561/3-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	12/20/2012 1542			Analysis Date:	12/20/2012 1608
Prep Date:	12/19/2012 0930			Prep Date:	12/19/2012 0930
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual	
Bis(2-ethylhexyl) phthalate	265	265	231	254	
2,4,5-Trichlorophenol	265	265	247	254	
Aniline	291	291	225	237	
Hexachloroethane	265	265	210	216	
Dimethyl phthalate	265	265	239	256	
2,4-Dimethylphenol	265	265	240	249	
Isophorone	265	265	226	242	
Fluorene	265	265	226	236	
Dibenzofuran	265	265	253	256	
Acenaphthylene	265	265	246	254	
2,4-Dichlorophenol	265	265	228	246	
Benzo[g,h,i]perylene	265	265	160	154	
Hexachlorobenzene	265	265	257	254	
Di-n-octyl phthalate	265	265	285	298	
Hexachlorobutadiene	265	265	203	218	
Phenanthrene	265	265	253	255	
2-Nitrophenol	265	265	233	239	
Benzo[k]fluoranthene	265	265	298	302	
2,4-Dinitrophenol	265	265	251	116	*
Anthracene	265	265	254	259	
2-Methylnaphthalene	265	265	203	219	
Di-n-butyl phthalate	265	265	273	277	
1,2,4-Trichlorobenzene	265	265	210	223	
Pyrene	265	265	220	239	
2,4-Dinitrotoluene	265	265	236	242	
Dibenz(a,h)anthracene	265	265	168	172	
1,3-Dichlorobenzene	265	265	195	204	
Nitrobenzene	265	265	233	232	
Naphthalene	265	265	212	218	
2,4,6-Trichlorophenol	265	265	255	273	
Pentachlorophenol	265	265	233	260	
Fluoranthene	265	265	209	205	
3,3'-Dichlorobenzidine	265	265	225	242	
4-Bromophenyl phenyl ether	265	265	266	277	
Diethyl phthalate	265	265	240	253	
2-Methylphenol	265	265	261	239	
1,2-Dichlorobenzene	265	265	204	212	
2,2'-oxybis[1-chloropropane]	265	265	194	209	
Acetophenone	530	530	502	540	

Client: Olin Corporation

Job Number: 480-30346-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 480-96561

Method: 8270D
Preparation: 3546

LCS Lab Sample ID:	LCS 480-96561/2-A	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 480-96561/3-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	12/20/2012 1542			Analysis Date:	12/20/2012 1608
Prep Date:	12/19/2012 0930			Prep Date:	12/19/2012 0930
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual		LCSD Result/Qual	
Bis(2-chloroethyl)ether	265	265	219		225	
Benzo[a]anthracene	265	265	277		278	
Indeno[1,2,3-cd]pyrene	265	265	158		162	
Butyl benzyl phthalate	265	265	224		243	
Chrysene	265	265	236		261	
Acenaphthene	265	265	215		225	
Benzo[b]fluoranthene	265	265	248		267	
4-Nitrophenol	265	265	240		36.2	J *
4-Chloroaniline	254	254	190		208	
2-Chlorophenol	265	265	236		243	
2,6-Dinitrotoluene	265	265	123		128	
Phenol	265	265	234		250	
1,4-Dichlorobenzene	265	265	208		207	
Bis(2-chloroethoxy)methane	265	265	235		235	
2-Chloronaphthalene	265	265	219		227	
N-Nitrosodi-n-propylamine	265	265	239		237	
4-Chlorophenyl phenyl ether	265	265	238		239	
4-Chloro-3-methylphenol	265	265	241		275	
Benzo[a]pyrene	265	265	235		248	
4-Methylphenol	530	530	527		515	
4-Nitroaniline	265	265	171		184	
2-Nitroaniline	265	265	254		277	
Caprolactam	265	265	232		309	
Carbazole	265	265	219		226	
4,6-Dinitro-2-methylphenol	265	265	189		221	
1-Methylnaphthalene	530	530	503		486	
N-Nitrosodiphenylamine	265	265	144		145	
Atrazine	265	265	218		265	
Phenyl ether	265	265	326		287	
Benzaldehyde	265	265	238		252	
Azobenzene	265	265	710	E *	684	E *
Hexachlorocyclopentadiene	265	265	192		201	
3-Nitroaniline	260	260	175		235	
N-Nitrosodimethylamine	265	265	189		194	
Benzyl alcohol	265	265	176		143	
1,1'-Biphenyl	265	265	273		291	
2,3,4,6-Tetrachlorophenol	530	530	493		585	
Benzophenone	265	265	294		283	
Benzoic acid	265	265	337		376	

Client: Olin Corporation

Job Number: 480-30346-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 480-96561

Method: 8270D
Preparation: 3546

LCS Lab Sample ID:	LCS 480-96561/2-A	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 480-96561/3-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	12/20/2012 1542			Analysis Date:	12/20/2012 1608
Prep Date:	12/19/2012 0930			Prep Date:	12/19/2012 0930
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
1,2,4,5-Tetrachlorobenzene	530	530	561	604

Client: Olin Corporation

Job Number: 480-30346-1

Method Blank - Batch: 440-76769

Method: 7199
Preparation: 3060A

Lab Sample ID:	MB 440-76769/1-A	Analysis Batch:	440-76762	Instrument ID:	IC-16
Client Matrix:	Solid	Prep Batch:	440-76769	Lab File ID:	Info 2_TAIIRV167_Hex
Dilution:	10	Leach Batch:	N/A	Initial Weight/Volume:	1.2532 g
Analysis Date:	01/03/2013 2306	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	01/03/2013 0901			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Cr (VI)	ND		0.15	0.20

Lab Control Sample - Batch: 440-76769

Method: 7199
Preparation: 3060A

Lab Sample ID:	LCS 440-76769/2-A	Analysis Batch:	440-76762	Instrument ID:	IC-16
Client Matrix:	Solid	Prep Batch:	440-76769	Lab File ID:	Info 2_TAIIRV167_Hex
Dilution:	10	Leach Batch:	N/A	Initial Weight/Volume:	1.2563 g
Analysis Date:	01/03/2013 2319	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	01/03/2013 0901			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cr (VI)	15.9	11.9	75	65 - 110	

Matrix Spike Insoluble - Batch: 440-76769

Method: 7199
Preparation: 3060A

Lab Sample ID:	480-30346-1	Analysis Batch:	440-76762	Instrument ID:	IC-16
Client Matrix:	Solid	Prep Batch:	440-76769	Lab File ID:	Info 2_TAIIRV167_Hex
Dilution:	1000	Leach Batch:	N/A	Initial Weight/Volume:	1.2539 g
Analysis Date:	01/04/2013 0010	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	01/03/2013 0901			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Cr (VI)	ND	10000	629	6	55 - 110	F

Client: Olin Corporation

Job Number: 480-30346-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 440-76769

Method: 7199
Preparation: 3060A

MS Lab Sample ID:	480-30346-1	Analysis Batch:	440-76762	Instrument ID:	IC-16
Client Matrix:	Solid	Prep Batch:	440-76769	Lab File ID:	Info 2_TAIIRV167_Hex
Dilution:	1000	Leach Batch:	N/A	Initial Weight/Volume:	1.2563 g
Analysis Date:	01/03/2013 2344			Final Weight/Volume:	50 mL
Prep Date:	01/03/2013 0901			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	480-30346-1	Analysis Batch:	440-76762	Instrument ID:	IC-16
Client Matrix:	Solid	Prep Batch:	440-76769	Lab File ID:	Info 2_TAIIRV167_Hex
Dilution:	1000	Leach Batch:	N/A	Initial Weight/Volume:	1.2526 g
Analysis Date:	01/03/2013 2357			Final Weight/Volume:	50 mL
Prep Date:	01/03/2013 0901			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Cr (VI)	0	0	55 - 110	NC	20	F	F

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 440-76769

Method: 7199
Preparation: 3060A

MS Lab Sample ID:	480-30346-1	Units:	mg/Kg	MSD Lab Sample ID:	480-30346-1
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1000			Dilution:	1000
Analysis Date:	01/03/2013 2344			Analysis Date:	01/03/2013 2357
Prep Date:	01/03/2013 0901			Prep Date:	01/03/2013 0901
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Cr (VI)	ND	90.3	90.5	ND	F	ND	F

Client: Olin Corporation

Job Number: 480-30346-1

Method Blank - Batch: 440-77607

Method: 7199
Preparation: 3060A

Lab Sample ID:	MB 440-77607/1-A	Analysis Batch:	440-77774	Instrument ID:	IC-16
Client Matrix:	Solid	Prep Batch:	440-77607	Lab File ID:	Info 2_TAIIRV167_Hex
Dilution:	10	Leach Batch:	N/A	Initial Weight/Volume:	126 g
Analysis Date:	01/09/2013 0829	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	01/08/2013 1155			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Cr (VI)	ND		0.0015	0.0020

Lab Control Sample - Batch: 440-77607

Method: 7199
Preparation: 3060A

Lab Sample ID:	LCS 440-77607/2-A	Analysis Batch:	440-77774	Instrument ID:	IC-16
Client Matrix:	Solid	Prep Batch:	440-77607	Lab File ID:	Info 2_TAIIRV167_Hex
Dilution:	10	Leach Batch:	N/A	Initial Weight/Volume:	1.26 g
Analysis Date:	01/09/2013 0842	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	01/08/2013 1155			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cr (VI)	15.9	13.6	86	65 - 110	

Client: Olin Corporation

Job Number: 480-30346-1

Lab Control Sample - Batch: 360-97422

Method: 9045C
Preparation: N/A

Lab Sample ID:	LCS 360-97420/1-A	Analysis Batch:	360-97422	Instrument ID:	pH meter
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	360-97420	Initial Weight/Volume:	
Analysis Date:	12/14/2012 1715	Units:	SU	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	12/14/2012 0800				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
pH-Soluble	6.00	5.980	100	90 - 110	

Duplicate - Batch: 360-97422

Method: 9045C
Preparation: N/A

Lab Sample ID:	480-30346-10	Analysis Batch:	360-97422	Instrument ID:	pH meter
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	360-97420	Initial Weight/Volume:	
Analysis Date:	12/14/2012 1803	Units:	SU	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	12/14/2012 0800				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
pH-Soluble	5.88	5.850	0.5	10.0	

Client: Olin Corporation

Job Number: 480-30346-1

Lab Control Sample - Batch: 360-97423

Method: SM 2580B
Preparation: N/A

Lab Sample ID:	LCS 360-97421/1-A	Analysis Batch:	360-97423	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	360-97421	Initial Weight/Volume:	
Analysis Date:	12/14/2012 1710	Units:	millivolts	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	12/14/2012 0800				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Oxidation Reduction Potential-Soluble	475	480	101	85 - 115	

Duplicate - Batch: 360-97423

Method: SM 2580B
Preparation: N/A

Lab Sample ID:	480-30346-10	Analysis Batch:	360-97423	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	360-97421	Initial Weight/Volume:	
Analysis Date:	12/14/2012 1803	Units:	millivolts	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	12/14/2012 0800				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Oxidation Reduction Potential-Soluble	9.0	15.0	50	20	F

DATA REPORTING QUALIFIERS

Client: Olin Corporation

Job Number: 480-30346-1

Lab Section	Qualifier	Description
GC/MS VOA		
	J	Indicates an Estimated Value for TICs
	N	Presumptive evidence of material.
	T	Result is a tentatively identified compound (TIC) and an estimated value.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
GC/MS Semi VOA		
	J	Indicates an Estimated Value for TICs
	*	LCS or LCSD exceeds the control limits
	N	Presumptive evidence of material.
	E	Result exceeded calibration range.
	T	Result is a tentatively identified compound (TIC) and an estimated value.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	*	RPD of the LCS and LCSD exceeds the control limits
	X	Surrogate is outside control limits
HPLC/IC		
	F	MS or MSD exceeds the control limits
General Chemistry		
	F	Duplicate RPD exceeds the control limit

Client: Olin Corporation

Job Number: 480-30346-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:480-96559					
LCS 480-96559/5	Lab Control Sample	T	Solid	8260C	
LCSD 480-96559/6	Lab Control Sample Duplicate	T	Solid	8260C	
MB 480-96559/7	Method Blank	T	Solid	8260C	
480-30346-7	OC-SB-518-0.0/1.0-XXX	T	Solid	8260C	480-96598
480-30346-8	OC-SB-518-8.0/10-XXX	T	Solid	8260C	480-96598
480-30346-9	OC-SB-518-13/15-XXX	T	Solid	8260C	480-96598
Prep Batch: 480-96598					
480-30346-7	OC-SB-518-0.0/1.0-XXX	T	Solid	5035	
480-30346-8	OC-SB-518-8.0/10-XXX	T	Solid	5035	
480-30346-9	OC-SB-518-13/15-XXX	T	Solid	5035	

Report Basis

T = Total

Client: Olin Corporation

Job Number: 480-30346-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 480-96561					
LCS 480-96561/2-A	Lab Control Sample	T	Solid	3546	
LCSD 480-96561/3-A	Lab Control Sample Duplicate	T	Solid	3546	
MB 480-96561/1-A	Method Blank	T	Solid	3546	
480-30346-4	OC-SB-519-0.0/1.0-XXX	T	Solid	3546	
480-30346-4DL	OC-SB-519-0.0/1.0-XXX	T	Solid	3546	
480-30346-5	OC-SB-519-8.0/10-XXX	T	Solid	3546	
480-30346-6	OC-SB-519-12/14-XXX	T	Solid	3546	
480-30346-7	OC-SB-518-0.0/1.0-XXX	T	Solid	3546	
480-30346-8	OC-SB-518-8.0/10-XXX	T	Solid	3546	
480-30346-9	OC-SB-518-13/15-XXX	T	Solid	3546	
Analysis Batch:480-96803					
LCS 480-96561/2-A	Lab Control Sample	T	Solid	8270D	480-96561
LCSD 480-96561/3-A	Lab Control Sample Duplicate	T	Solid	8270D	480-96561
MB 480-96561/1-A	Method Blank	T	Solid	8270D	480-96561
480-30346-4	OC-SB-519-0.0/1.0-XXX	T	Solid	8270D	480-96561
480-30346-5	OC-SB-519-8.0/10-XXX	T	Solid	8270D	480-96561
480-30346-6	OC-SB-519-12/14-XXX	T	Solid	8270D	480-96561
480-30346-8	OC-SB-518-8.0/10-XXX	T	Solid	8270D	480-96561
Analysis Batch:480-97046					
480-30346-4DL	OC-SB-519-0.0/1.0-XXX	T	Solid	8270D	480-96561
480-30346-7	OC-SB-518-0.0/1.0-XXX	T	Solid	8270D	480-96561
480-30346-9	OC-SB-518-13/15-XXX	T	Solid	8270D	480-96561

Report Basis

T = Total

Client: Olin Corporation

Job Number: 480-30346-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Prep Batch: 360-97420					
LCS 360-97420/1-A	Lab Control Sample	S	Solid	DI Leach	
480-30346-1	OC-SB-521-0.0/1.0-XXX	S	Solid	DI Leach	
480-30346-2	OC-SB-521-8.0/10-XXX	S	Solid	DI Leach	
480-30346-3	OC-SB-521-16/18-XXX	S	Solid	DI Leach	
480-30346-4	OC-SB-519-0.0/1.0-XXX	S	Solid	DI Leach	
480-30346-5	OC-SB-519-8.0/10-XXX	S	Solid	DI Leach	
480-30346-6	OC-SB-519-12/14-XXX	S	Solid	DI Leach	
480-30346-7	OC-SB-518-0.0/1.0-XXX	S	Solid	DI Leach	
480-30346-8	OC-SB-518-8.0/10-XXX	S	Solid	DI Leach	
480-30346-9	OC-SB-518-13/15-XXX	S	Solid	DI Leach	
480-30346-10	OC-SB-509-0.0/1.0-XXX	S	Solid	DI Leach	
480-30346-10DU	Duplicate	S	Solid	DI Leach	
Prep Batch: 360-97421					
LCS 360-97421/1-A	Lab Control Sample	S	Solid	DI Leach	
480-30346-1	OC-SB-521-0.0/1.0-XXX	S	Solid	DI Leach	
480-30346-2	OC-SB-521-8.0/10-XXX	S	Solid	DI Leach	
480-30346-3	OC-SB-521-16/18-XXX	S	Solid	DI Leach	
480-30346-4	OC-SB-519-0.0/1.0-XXX	S	Solid	DI Leach	
480-30346-5	OC-SB-519-8.0/10-XXX	S	Solid	DI Leach	
480-30346-6	OC-SB-519-12/14-XXX	S	Solid	DI Leach	
480-30346-7	OC-SB-518-0.0/1.0-XXX	S	Solid	DI Leach	
480-30346-8	OC-SB-518-8.0/10-XXX	S	Solid	DI Leach	
480-30346-9	OC-SB-518-13/15-XXX	S	Solid	DI Leach	
480-30346-10	OC-SB-509-0.0/1.0-XXX	S	Solid	DI Leach	
480-30346-10DU	Duplicate	S	Solid	DI Leach	
Analysis Batch:360-97422					
LCS 360-97420/1-A	Lab Control Sample	S	Solid	9045C	
480-30346-1	OC-SB-521-0.0/1.0-XXX	S	Solid	9045C	
480-30346-2	OC-SB-521-8.0/10-XXX	S	Solid	9045C	
480-30346-3	OC-SB-521-16/18-XXX	S	Solid	9045C	
480-30346-4	OC-SB-519-0.0/1.0-XXX	S	Solid	9045C	
480-30346-5	OC-SB-519-8.0/10-XXX	S	Solid	9045C	
480-30346-6	OC-SB-519-12/14-XXX	S	Solid	9045C	
480-30346-7	OC-SB-518-0.0/1.0-XXX	S	Solid	9045C	
480-30346-8	OC-SB-518-8.0/10-XXX	S	Solid	9045C	
480-30346-9	OC-SB-518-13/15-XXX	S	Solid	9045C	
480-30346-10	OC-SB-509-0.0/1.0-XXX	S	Solid	9045C	
480-30346-10DU	Duplicate	S	Solid	9045C	

Client: Olin Corporation

Job Number: 480-30346-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:360-97423					
LCS 360-97421/1-A	Lab Control Sample	S	Solid	SM 2580B	
480-30346-1	OC-SB-521-0.0/1.0-XXX	S	Solid	SM 2580B	
480-30346-2	OC-SB-521-8.0/10-XXX	S	Solid	SM 2580B	
480-30346-3	OC-SB-521-16/18-XXX	S	Solid	SM 2580B	
480-30346-4	OC-SB-519-0.0/1.0-XXX	S	Solid	SM 2580B	
480-30346-5	OC-SB-519-8.0/10-XXX	S	Solid	SM 2580B	
480-30346-6	OC-SB-519-12/14-XXX	S	Solid	SM 2580B	
480-30346-7	OC-SB-518-0.0/1.0-XXX	S	Solid	SM 2580B	
480-30346-8	OC-SB-518-8.0/10-XXX	S	Solid	SM 2580B	
480-30346-9	OC-SB-518-13/15-XXX	S	Solid	SM 2580B	
480-30346-10	OC-SB-509-0.0/1.0-XXX	S	Solid	SM 2580B	
480-30346-10DU	Duplicate	S	Solid	SM 2580B	
Analysis Batch:460-140539					
480-30346-1	OC-SB-521-0.0/1.0-XXX	T	Solid	Moisture	
480-30346-2	OC-SB-521-8.0/10-XXX	T	Solid	Moisture	
480-30346-3	OC-SB-521-16/18-XXX	T	Solid	Moisture	
480-30346-4	OC-SB-519-0.0/1.0-XXX	T	Solid	Moisture	
480-30346-5	OC-SB-519-8.0/10-XXX	T	Solid	Moisture	
480-30346-6	OC-SB-519-12/14-XXX	T	Solid	Moisture	
480-30346-7	OC-SB-518-0.0/1.0-XXX	T	Solid	Moisture	
480-30346-8	OC-SB-518-8.0/10-XXX	T	Solid	Moisture	
480-30346-9	OC-SB-518-13/15-XXX	T	Solid	Moisture	
480-30346-10	OC-SB-509-0.0/1.0-XXX	T	Solid	Moisture	

Report Basis

S = Soluble

T = Total

Client: Olin Corporation

Job Number: 480-30346-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
HPLC/IC					
Analysis Batch:440-76762					
LCS 440-76769/2-A	Lab Control Sample	T	Solid	7199	440-76769
MB 440-76769/1-A	Method Blank	T	Solid	7199	440-76769
480-30346-1	OC-SB-521-0.0/1.0-XXX	T	Solid	7199	440-76769
480-30346-1MS	Matrix Spike	T	Solid	7199	440-76769
480-30346-1MSD	Matrix Spike Duplicate	T	Solid	7199	440-76769
480-30346-1MSI	Matrix Spike Insoluble	T	Solid	7199	440-76769
480-30346-2	OC-SB-521-8.0/10-XXX	T	Solid	7199	440-76769
480-30346-4	OC-SB-519-0.0/1.0-XXX	T	Solid	7199	440-76769
480-30346-5	OC-SB-519-8.0/10-XXX	T	Solid	7199	440-76769
480-30346-6	OC-SB-519-12/14-XXX	T	Solid	7199	440-76769
480-30346-7	OC-SB-518-0.0/1.0-XXX	T	Solid	7199	440-76769
480-30346-8	OC-SB-518-8.0/10-XXX	T	Solid	7199	440-76769
480-30346-9	OC-SB-518-13/15-XXX	T	Solid	7199	440-76769
Prep Batch: 440-76769					
LCS 440-76769/2-A	Lab Control Sample	T	Solid	3060A	
MB 440-76769/1-A	Method Blank	T	Solid	3060A	
480-30346-1	OC-SB-521-0.0/1.0-XXX	T	Solid	3060A	
480-30346-1MS	Matrix Spike	T	Solid	3060A	
480-30346-1MSD	Matrix Spike Duplicate	T	Solid	3060A	
480-30346-1MSI	Matrix Spike Insoluble	T	Solid	3060A	
480-30346-2	OC-SB-521-8.0/10-XXX	T	Solid	3060A	
480-30346-4	OC-SB-519-0.0/1.0-XXX	T	Solid	3060A	
480-30346-5	OC-SB-519-8.0/10-XXX	T	Solid	3060A	
480-30346-6	OC-SB-519-12/14-XXX	T	Solid	3060A	
480-30346-7	OC-SB-518-0.0/1.0-XXX	T	Solid	3060A	
480-30346-8	OC-SB-518-8.0/10-XXX	T	Solid	3060A	
480-30346-9	OC-SB-518-13/15-XXX	T	Solid	3060A	
Prep Batch: 440-77607					
LCS 440-77607/2-A	Lab Control Sample	T	Solid	3060A	
MB 440-77607/1-A	Method Blank	T	Solid	3060A	
480-30346-3	OC-SB-521-16/18-XXX	T	Solid	3060A	
480-30346-10	OC-SB-509-0.0/1.0-XXX	T	Solid	3060A	
Analysis Batch:440-77774					
LCS 440-77607/2-A	Lab Control Sample	T	Solid	7199	440-77607
MB 440-77607/1-A	Method Blank	T	Solid	7199	440-77607
480-30346-3	OC-SB-521-16/18-XXX	T	Solid	7199	440-77607
480-30346-10	OC-SB-509-0.0/1.0-XXX	T	Solid	7199	440-77607

Report Basis

T = Total

Client: Olin Corporation

Job Number: 480-30346-1

Laboratory Chronicle

Lab ID: **480-30346-1** **Client ID:** **OC-SB-521-0.0/1.0-XXX**

Sample Date/Time: 12/14/2012 08:10 Received Date/Time: 12/14/2012 17:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	480-30346-A-1-C		440-76762	440-76769	01/03/2013 09:01	1000	TAL IRV	DC
A:7199	480-30346-A-1-C		440-76762	440-76769	01/03/2013 23:32	1000	TAL IRV	QPD
A:9045C	480-30346-A-1-A		360-97422		12/14/2012 17:29	1	TAL WFD	RWE
A:Moisture	480-30346-A-1		460-140539		12/19/2012 17:24	1	TAL EDI	IR
A:SM 2580B	480-30346-A-1-B		360-97423		12/14/2012 17:29	1	TAL WFD	RWE

Lab ID: **480-30346-1 MS** **Client ID:** **OC-SB-521-0.0/1.0-XXX**

Sample Date/Time: 12/14/2012 08:10 Received Date/Time: 12/14/2012 17:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	480-30346-A-1-G MS		440-76762	440-76769	01/03/2013 09:01	1000	TAL IRV	DC
A:7199	480-30346-A-1-G MS		440-76762	440-76769	01/03/2013 23:44	1000	TAL IRV	QPD

Lab ID: **480-30346-1 MSD** **Client ID:** **OC-SB-521-0.0/1.0-XXX**

Sample Date/Time: 12/14/2012 08:10 Received Date/Time: 12/14/2012 17:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	480-30346-A-1-H MSD		440-76762	440-76769	01/03/2013 09:01	1000	TAL IRV	DC
A:7199	480-30346-A-1-H MSD		440-76762	440-76769	01/03/2013 23:57	1000	TAL IRV	QPD

Lab ID: **480-30346-1 MSI** **Client ID:** **OC-SB-521-0.0/1.0-XXX**

Sample Date/Time: 12/14/2012 08:10 Received Date/Time: 12/14/2012 17:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	480-30346-A-1-I MSI		440-76762	440-76769	01/03/2013 09:01	1000	TAL IRV	DC
A:7199	480-30346-A-1-I MSI		440-76762	440-76769	01/04/2013 00:10	1000	TAL IRV	QPD

Lab ID: **480-30346-2** **Client ID:** **OC-SB-521-8.0/10-XXX**

Sample Date/Time: 12/14/2012 08:20 Received Date/Time: 12/14/2012 17:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	480-30346-A-2-C		440-76762	440-76769	01/03/2013 09:01	10	TAL IRV	DC
A:7199	480-30346-A-2-C		440-76762	440-76769	01/04/2013 00:22	10	TAL IRV	QPD
A:9045C	480-30346-A-2-A		360-97422		12/14/2012 17:36	1	TAL WFD	RWE
A:Moisture	480-30346-A-2		460-140539		12/19/2012 17:24	1	TAL EDI	IR
A:SM 2580B	480-30346-A-2-B		360-97423		12/14/2012 17:36	1	TAL WFD	RWE

Client: Olin Corporation

Job Number: 480-30346-1

Laboratory Chronicle

Lab ID: **480-30346-3** **Client ID:** **OC-SB-521-16/18-XXX**

Sample Date/Time: 12/14/2012 08:45 Received Date/Time: 12/14/2012 17:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	480-30346-A-3-D		440-77774	440-77607	01/08/2013 11:55	100	TAL IRV	QPD
A:7199	480-30346-A-3-D		440-77774	440-77607	01/09/2013 12:06	100	TAL IRV	MN
A:9045C	480-30346-A-3-A		360-97422		12/14/2012 17:39	1	TAL WFD	RWE
A:Moisture	480-30346-A-3		460-140539		12/19/2012 17:24	1	TAL EDI	IR
A:SM 2580B	480-30346-A-3-B		360-97423		12/14/2012 17:39	1	TAL WFD	RWE

Lab ID: **480-30346-4** **Client ID:** **OC-SB-519-0.0/1.0-XXX**

Sample Date/Time: 12/14/2012 09:00 Received Date/Time: 12/14/2012 17:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	480-30346-B-4-A		480-96803	480-96561	12/19/2012 09:30	1	TAL BUF	DE
A:8270D	480-30346-B-4-A		480-96803	480-96561	12/20/2012 16:58	1	TAL BUF	RMM
P:3546	480-30346-B-4-A	DL	480-97046	480-96561	12/19/2012 09:30	10	TAL BUF	DE
A:8270D	480-30346-B-4-A	DL	480-97046	480-96561	12/21/2012 11:04	10	TAL BUF	RMM
P:3060A	480-30346-A-4-C		440-76762	440-76769	01/03/2013 09:01	1000	TAL IRV	DC
A:7199	480-30346-A-4-C		440-76762	440-76769	01/04/2013 00:48	1000	TAL IRV	QPD
A:9045C	480-30346-A-4-A		360-97422		12/14/2012 17:42	1	TAL WFD	RWE
A:Moisture	480-30346-A-4		460-140539		12/19/2012 17:24	1	TAL EDI	IR
A:SM 2580B	480-30346-A-4-B		360-97423		12/14/2012 17:42	1	TAL WFD	RWE

Lab ID: **480-30346-5** **Client ID:** **OC-SB-519-8.0/10-XXX**

Sample Date/Time: 12/14/2012 09:20 Received Date/Time: 12/14/2012 17:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	480-30346-B-5-A		480-96803	480-96561	12/19/2012 09:30	1	TAL BUF	DE
A:8270D	480-30346-B-5-A		480-96803	480-96561	12/20/2012 17:24	1	TAL BUF	RMM
P:3060A	480-30346-A-5-C		440-76762	440-76769	01/03/2013 09:01	10	TAL IRV	DC
A:7199	480-30346-A-5-C		440-76762	440-76769	01/04/2013 01:00	10	TAL IRV	QPD
A:9045C	480-30346-A-5-A		360-97422		12/14/2012 17:45	1	TAL WFD	RWE
A:Moisture	480-30346-A-5		460-140539		12/19/2012 17:24	1	TAL EDI	IR
A:SM 2580B	480-30346-A-5-B		360-97423		12/14/2012 17:45	1	TAL WFD	RWE

Client: Olin Corporation

Job Number: 480-30346-1

Laboratory Chronicle

Lab ID: **480-30346-6** **Client ID:** **OC-SB-519-12/14-XXX**

Sample Date/Time: 12/14/2012 09:40 Received Date/Time: 12/14/2012 17:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	480-30346-B-6-A		480-96803	480-96561	12/19/2012 09:30	1	TAL BUF	DE
A:8270D	480-30346-B-6-A		480-96803	480-96561	12/20/2012 17:49	1	TAL BUF	RMM
P:3060A	480-30346-A-6-C		440-76762	440-76769	01/03/2013 09:01	10	TAL IRV	DC
A:7199	480-30346-A-6-C		440-76762	440-76769	01/04/2013 01:38	10	TAL IRV	QPD
A:9045C	480-30346-A-6-A		360-97422		12/14/2012 17:48	1	TAL WFD	RWE
A:Moisture	480-30346-A-6		460-140539		12/19/2012 17:24	1	TAL EDI	IR
A:SM 2580B	480-30346-A-6-B		360-97423		12/14/2012 17:48	1	TAL WFD	RWE

Lab ID: **480-30346-7** **Client ID:** **OC-SB-518-0.0/1.0-XXX**

Sample Date/Time: 12/14/2012 09:55 Received Date/Time: 12/14/2012 17:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-30346-G-7-A		480-96559	480-96598	12/19/2012 13:30	1	TAL BUF	JMB
A:8260C	480-30346-G-7-A		480-96559	480-96598	12/19/2012 16:38	1	TAL BUF	JMB
P:3546	480-30346-B-7-A		480-97046	480-96561	12/19/2012 09:30	500	TAL BUF	DE
A:8270D	480-30346-B-7-A		480-97046	480-96561	12/21/2012 15:08	500	TAL BUF	RMM
P:3060A	480-30346-A-7-C		440-76762	440-76769	01/03/2013 09:01	1000	TAL IRV	DC
A:7199	480-30346-A-7-C		440-76762	440-76769	01/04/2013 01:51	1000	TAL IRV	QPD
A:9045C	480-30346-A-7-A		360-97422		12/14/2012 17:51	1	TAL WFD	RWE
A:Moisture	480-30346-A-7		460-140539		12/19/2012 17:24	1	TAL EDI	IR
A:SM 2580B	480-30346-A-7-B		360-97423		12/14/2012 17:51	1	TAL WFD	RWE

Lab ID: **480-30346-8** **Client ID:** **OC-SB-518-8.0/10-XXX**

Sample Date/Time: 12/14/2012 10:05 Received Date/Time: 12/14/2012 17:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-30346-G-8-A		480-96559	480-96598	12/19/2012 13:30	1	TAL BUF	JMB
A:8260C	480-30346-G-8-A		480-96559	480-96598	12/19/2012 17:03	1	TAL BUF	JMB
P:3546	480-30346-B-8-A		480-96803	480-96561	12/19/2012 09:30	1	TAL BUF	DE
A:8270D	480-30346-B-8-A		480-96803	480-96561	12/20/2012 18:40	1	TAL BUF	RMM
P:3060A	480-30346-A-8-C		440-76762	440-76769	01/03/2013 09:01	10	TAL IRV	DC
A:7199	480-30346-A-8-C		440-76762	440-76769	01/04/2013 02:04	10	TAL IRV	QPD
A:9045C	480-30346-A-8-A		360-97422		12/14/2012 17:54	1	TAL WFD	RWE
A:Moisture	480-30346-A-8		460-140539		12/19/2012 17:24	1	TAL EDI	IR
A:SM 2580B	480-30346-A-8-B		360-97423		12/14/2012 17:54	1	TAL WFD	RWE

Client: Olin Corporation

Job Number: 480-30346-1

Laboratory Chronicle

Lab ID: **480-30346-9** **Client ID:** **OC-SB-518-13/15-XXX**

Sample Date/Time: 12/14/2012 10:15 Received Date/Time: 12/14/2012 17:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-30346-F-9-A		480-96559	480-96598	12/19/2012 13:30	1	TAL BUF	JMB
A:8260C	480-30346-F-9-A		480-96559	480-96598	12/19/2012 17:29	1	TAL BUF	JMB
P:3546	480-30346-B-9-A		480-97046	480-96561	12/19/2012 09:30	20	TAL BUF	DE
A:8270D	480-30346-B-9-A		480-97046	480-96561	12/21/2012 11:54	20	TAL BUF	RMM
P:3060A	480-30346-A-9-C		440-76762	440-76769	01/03/2013 09:01	10	TAL IRV	DC
A:7199	480-30346-A-9-C		440-76762	440-76769	01/04/2013 02:16	10	TAL IRV	QPD
A:9045C	480-30346-A-9-A		360-97422		12/14/2012 17:57	1	TAL WFD	RWE
A:Moisture	480-30346-A-9		460-140539		12/19/2012 17:24	1	TAL EDI	IR
A:SM 2580B	480-30346-A-9-B		360-97423		12/14/2012 17:57	1	TAL WFD	RWE

Lab ID: **480-30346-10** **Client ID:** **OC-SB-509-0.0/1.0-XXX**

Sample Date/Time: 12/14/2012 10:45 Received Date/Time: 12/14/2012 17:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	480-30346-A-10-F		440-77774	440-77607	01/08/2013 11:55	1000	TAL IRV	QPD
A:7199	480-30346-A-10-F		440-77774	440-77607	01/09/2013 09:07	1000	TAL IRV	MN
A:9045C	480-30346-A-10-A		360-97422		12/14/2012 18:00	1	TAL WFD	RWE
A:Moisture	480-30346-A-10		460-140539		12/19/2012 17:24	1	TAL EDI	IR
A:SM 2580B	480-30346-A-10-C		360-97423		12/14/2012 18:00	1	TAL WFD	RWE

Lab ID: **480-30346-10 DU** **Client ID:** **OC-SB-509-0.0/1.0-XXX**

Sample Date/Time: 12/14/2012 10:45 Received Date/Time: 12/14/2012 17:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9045C	480-30346-A-10-B DU		360-97422		12/14/2012 18:03	1	TAL WFD	RWE
A:SM 2580B	480-30346-A-10-D DU		360-97423		12/14/2012 18:03	1	TAL WFD	RWE

Lab ID: **MB** **Client ID:** **N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:8260C	MB 480-96559/7		480-96559		12/19/2012 15:47	1	TAL BUF	JMB
P:3546	MB 480-96561/1-A		480-96803	480-96561	12/19/2012 09:30	1	TAL BUF	DE
A:8270D	MB 480-96561/1-A		480-96803	480-96561	12/20/2012 15:17	1	TAL BUF	RMM
P:3060A	MB 440-76769/1-A		440-76762	440-76769	01/03/2013 09:01	10	TAL IRV	DC
A:7199	MB 440-76769/1-A		440-76762	440-76769	01/03/2013 23:06	10	TAL IRV	QPD
P:3060A	MB 440-77607/1-A		440-77774	440-77607	01/08/2013 11:55	10	TAL IRV	QPD
A:7199	MB 440-77607/1-A		440-77774	440-77607	01/09/2013 08:29	10	TAL IRV	MN

Client: Olin Corporation

Job Number: 480-30346-1

Laboratory Chronicle

Lab ID: **LCS** **Client ID:** **N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:8260C	LCS 480-96559/5		480-96559		12/19/2012 14:56	1	TAL BUF	JMB
P:3546	LCS 480-96561/2-A		480-96803	480-96561	12/19/2012 09:30	1	TAL BUF	DE
A:8270D	LCS 480-96561/2-A		480-96803	480-96561	12/20/2012 15:42	1	TAL BUF	RMM
P:3060A	LCS 440-76769/2-A		440-76762	440-76769	01/03/2013 09:01	10	TAL IRV	DC
A:7199	LCS 440-76769/2-A		440-76762	440-76769	01/03/2013 23:19	10	TAL IRV	QPD
P:3060A	LCS 440-77607/2-A		440-77774	440-77607	01/08/2013 11:55	10	TAL IRV	QPD
A:7199	LCS 440-77607/2-A		440-77774	440-77607	01/09/2013 08:42	10	TAL IRV	MN
A:9045C	LCS 360-97420/1-A		360-97422		12/14/2012 17:15	1	TAL WFD	RWE
A:SM 2580B	LCS 360-97421/1-A		360-97423		12/14/2012 17:10	1	TAL WFD	RWE

Lab ID: **LCSD** **Client ID:** **N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:8260C	LCSD 480-96559/6		480-96559		12/19/2012 15:21	1	TAL BUF	JMB
P:3546	LCSD 480-96561/3-A		480-96803	480-96561	12/19/2012 09:30	1	TAL BUF	DE
A:8270D	LCSD 480-96561/3-A		480-96803	480-96561	12/20/2012 16:08	1	TAL BUF	RMM

Lab References:

TAL BUF = TestAmerica Buffalo

TAL EDI = TestAmerica Edison

TAL IRV = TestAmerica Irvine

TAL WFD = TestAmerica Westfield

Certification Summary

Client: Olin Corporation
Project/Site: Olin Chemical Wilmington MA Superfund

TestAmerica Job ID: 480-30346-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Buffalo	Arkansas DEQ	State Program	6	88-0686
TestAmerica Buffalo	California	NELAP	9	1169CA
TestAmerica Buffalo	Connecticut	State Program	1	PH-0568
TestAmerica Buffalo	Florida	NELAP	4	E87672
TestAmerica Buffalo	Georgia	State Program	4	956
TestAmerica Buffalo	Georgia	State Program	4	956
TestAmerica Buffalo	Georgia	State Program	4	N/A
TestAmerica Buffalo	Illinois	NELAP	5	200003
TestAmerica Buffalo	Iowa	State Program	7	374
TestAmerica Buffalo	Kansas	NELAP	7	E-10187
TestAmerica Buffalo	Kentucky	State Program	4	90029
TestAmerica Buffalo	Kentucky (UST)	State Program	4	30
TestAmerica Buffalo	Louisiana	NELAP	6	02031
TestAmerica Buffalo	Maine	State Program	1	NY00044
TestAmerica Buffalo	Maryland	State Program	3	294
TestAmerica Buffalo	Massachusetts	State Program	1	M-NY044
TestAmerica Buffalo	Michigan	State Program	5	9937
TestAmerica Buffalo	Minnesota	NELAP	5	036-999-337
TestAmerica Buffalo	New Hampshire	NELAP	1	2337
TestAmerica Buffalo	New Hampshire	NELAP	1	2973
TestAmerica Buffalo	New Jersey	NELAP	2	NY455
TestAmerica Buffalo	New York	NELAP	2	10026
TestAmerica Buffalo	North Dakota	State Program	8	R-176
TestAmerica Buffalo	Oklahoma	State Program	6	9421
TestAmerica Buffalo	Oregon	NELAP	10	NY200003
TestAmerica Buffalo	Pennsylvania	NELAP	3	68-00281
TestAmerica Buffalo	Rhode Island	State Program	1	LAO00328
TestAmerica Buffalo	Tennessee	State Program	4	TN02970
TestAmerica Buffalo	Texas	NELAP	6	T104704412-11-2
TestAmerica Buffalo	USDA	Federal		P330-11-00386
TestAmerica Buffalo	Virginia	NELAP	3	460185
TestAmerica Buffalo	Washington	State Program	10	C784
TestAmerica Buffalo	West Virginia DEP	State Program	3	252
TestAmerica Buffalo	Wisconsin	State Program	5	998310390
TestAmerica Edison	Connecticut	State Program	1	PH-0200
TestAmerica Edison	DE Haz. Subst. Cleanup Act	State Program	3	N/A
TestAmerica Edison	New Jersey	NELAP	2	12028
TestAmerica Edison	New York	NELAP	2	11452
TestAmerica Edison	Pennsylvania	NELAP	3	68-00522
TestAmerica Edison	Rhode Island	State Program	1	LAO00132
TestAmerica Edison	USDA	Federal		NJCA-003-08
TestAmerica Irvine	Alaska	State Program	10	CA01531
TestAmerica Irvine	Arizona	State Program	9	AZ0671
TestAmerica Irvine	California	LA Cty Sanitation Districts	9	10256
TestAmerica Irvine	California	NELAP	9	1108CA
TestAmerica Irvine	California	State Program	9	2706
TestAmerica Irvine	Guam	State Program	9	Cert. No. 12.002r
TestAmerica Irvine	Hawaii	State Program	9	N/A
TestAmerica Irvine	Nevada	State Program	9	CA015312007A
TestAmerica Irvine	New Mexico	State Program	6	N/A
TestAmerica Irvine	Northern Mariana Islands	State Program	9	MP0002
TestAmerica Irvine	Oregon	NELAP	10	4005
TestAmerica Irvine	USDA	Federal		P330-09-00080

Certification Summary

Client: Olin Corporation
Project/Site: Olin Chemical Wilmington MA Superfund

TestAmerica Job ID: 480-30346-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Irvine	USEPA UCMR	Federal	1	CA01531
TestAmerica Westfield	Connecticut	State Program	1	PH-0494
TestAmerica Westfield	Massachusetts	State Program	1	M-MA014
TestAmerica Westfield	New Hampshire	NELAP	1	2539

Accreditation may not be offered or required for all methods and analytes reported in this package Please contact your project manager for the laboratory's current list of certified methods and analytes.

8260MCP

Volatile Organic Compounds (GC/MS)

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-30346-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): ZB-624 (60) ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	DCA #	TOL #	BFB #
OC-SB-518-0.0/1.0-XXX	480-30346-7	88	88	80
OC-SB-518-8.0/10-XXX	480-30346-8	92	90	87
OC-SB-518-13/15-XXX	480-30346-9	89	89	86
	MB 480-96559/7	81	96	83
	LCS 480-96559/5	84	86	83
	LCSD 480-96559/6	87	87	83

	QC LIMITS
DCA = 1,2-Dichloroethane-d4 (Surr)	70-130
TOL = Toluene-d8 (Surr)	70-130
BFB = 4-Bromofluorobenzene (Surr)	70-130

Column to be used to flag recovery values

FORM II 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-30346-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: F4455.D

Lab ID: LCS 480-96559/5 Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
2,4,4-Trimethyl-1-pentene	50.0	52.0	104	70-130	
2,4,4-Trimethyl-2-pentene	50.0	54.6	109	70-130	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-30346-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: F4456.D

Lab ID: LCSD 480-96559/6 Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
2,4,4-Trimethyl-1-pentene	50.0	48.4	97	7	20	70-130	
2,4,4-Trimethyl-2-pentene	50.0	47.9	96	13	20	70-130	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-30346-1

SDG No.:

Lab File ID: F4457.D Lab Sample ID: MB 480-96559/7

Matrix: Solid Heated Purge:(Y/N) N

Instrument ID: HP5973F Date Analyzed: 12/19/2012 15:47

GC Column: ZB-624 (60) ID: 0.25(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-96559/5	F4455.D	12/19/2012 14:56
	LCSD 480-96559/6	F4456.D	12/19/2012 15:21
OC-SB-518-0.0/1.0-XXX	480-30346-7	F4458.D	12/19/2012 16:38
OC-SB-518-8.0/10-XXX	480-30346-8	F4459.D	12/19/2012 17:03
OC-SB-518-13/15-XXX	480-30346-9	F4460.D	12/19/2012 17:29

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Buffalo Job No.: 480-30346-1

SDG No.:

Lab File ID: F4221.D BFB Injection Date: 12/11/2012

Instrument ID: HP5973F BFB Injection Time: 15:25

Analysis Batch No.: 95189

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	16.0	
75	30.0 - 60.0 % of mass 95	42.4	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.9	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	87.0	
175	5.0 - 9.0 % of mass 174	6.1	(7.0)1
176	95.0 - 101.0 % of mass 174	86.4	(99.2)1
177	5.0 - 9.0 % of mass 176	5.5	(6.4)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD8 480-95189/10	F4229.D	12/11/2012	18:50
	STD9 480-95189/11	F4230.D	12/11/2012	19:15
	STD11 480-95189/13	F4232.D	12/11/2012	20:07
	STD12 480-95189/14	F4233.D	12/11/2012	20:32
	STD13 480-95189/15	F4234.D	12/11/2012	20:57
	STD14 480-95189/16	F4235.D	12/11/2012	21:23
	STD10 480-95189/20	F4239.D	12/11/2012	23:36

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Buffalo Job No.: 480-30346-1

SDG No.:

Lab File ID: F4389.D BFB Injection Date: 12/17/2012

Instrument ID: HP5973F BFB Injection Time: 11:45

Analysis Batch No.: 96157

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	16.4	
75	30.0 - 60.0 % of mass 95	43.3	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.1	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	94.0	
175	5.0 - 9.0 % of mass 174	7.4	(7.8)1
176	95.0 - 101.0 % of mass 174	91.1	(97.0)1
177	5.0 - 9.0 % of mass 176	6.7	(7.4)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD1 480-96157/3	F4390.D	12/17/2012	12:14
	STD2 480-96157/4	F4391.D	12/17/2012	12:40
	STD3 480-96157/5	F4392.D	12/17/2012	13:05
	STD4 480-96157/6	F4393.D	12/17/2012	13:31
	STD5 480-96157/7	F4394.D	12/17/2012	13:56
	STD6 480-96157/8	F4395.D	12/17/2012	14:22
	STD7 480-96157/12	F4396.D	12/17/2012	14:47

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Buffalo Job No.: 480-30346-1

SDG No.:

Lab File ID: F4451.D BFB Injection Date: 12/19/2012

Instrument ID: HP5973F BFB Injection Time: 11:00

Analysis Batch No.: 96559

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	15.5	
75	30.0 - 60.0 % of mass 95	41.9	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.0	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	89.8	
175	5.0 - 9.0 % of mass 174	6.5	(7.2)1
176	95.0 - 101.0 % of mass 174	88.8	(98.9)1
177	5.0 - 9.0 % of mass 176	5.8	(6.5)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-96559/3	F4453.D	12/19/2012	11:53
	CCV 480-96559/4	F4454.D	12/19/2012	12:42
	LCS 480-96559/5	F4455.D	12/19/2012	14:56
	LCSD 480-96559/6	F4456.D	12/19/2012	15:21
	MB 480-96559/7	F4457.D	12/19/2012	15:47
OC-SB-518-0.0/1.0-XXX	480-30346-7	F4458.D	12/19/2012	16:38
OC-SB-518-8.0/10-XXX	480-30346-8	F4459.D	12/19/2012	17:03
OC-SB-518-13/15-XXX	480-30346-9	F4460.D	12/19/2012	17:29

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-30346-1

SDG No.:

Sample No.: CCVIS 480-96559/3 Date Analyzed: 12/19/2012 11:53

Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25(mm)

Lab File ID (Standard): F4453.D Heated Purge: (Y/N) N

Calibration ID: 11625

		DFB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		280215	5.61	121672	8.38	132638	10.70
UPPER LIMIT		560430	6.11	243344	8.88	265276	11.20
LOWER LIMIT		140108	5.11	60836	7.88	66319	10.20
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 480-96559/4		267419	5.61	115610	8.38	124406	10.70
LCS 480-96559/5		260887	5.61	115303	8.38	123550	10.70
LCSD 480-96559/6		289227	5.61	127807	8.38	138056	10.70
MB 480-96559/7		200022	5.61	82914	8.38	85090	10.70
480-30346-7	OC-SB-518-0.0/1.0-XXX	267389	5.61	115305	8.38	110664	10.70
480-30346-8	OC-SB-518-8.0/10-XXX	287454	5.61	126897	8.38	139022	10.70
480-30346-9	OC-SB-518-13/15-XXX	278443	5.61	121828	8.38	132212	10.70

DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5
DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260C

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30346-1

SDG No.:

Client Sample ID: OC-SB-518-0.0/1.0-XXX | Lab Sample ID: 480-30346-7

Matrix: Solid | Lab File ID: F4458.D

Analysis Method: 8260C | Date Collected: 12/14/2012 09:55

Sample wt/vol: 5.65(g) | Date Analyzed: 12/19/2012 16:38

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 28.7 | Level: (low/med) Low

Analysis Batch No.: 96559 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
107-39-1	2,4,4-Trimethyl-1-pentene	19		6.2	0.53
107-40-4	2,4,4-Trimethyl-2-pentene	17		6.2	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	88		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	88		70-130
460-00-4	4-Bromofluorobenzene (Surr)	80		70-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Buffalo Job No.: 480-30346-1

SDG No.:

Client Sample ID: OC-SB-518-0.0/1.0-XXX Lab Sample ID: 480-30346-7

Matrix: Solid Lab File ID: F4458.D

Analysis Method: 8260C Date Collected: 12/14/2012 09:55

Sample wt/vol: 5.65(g) Date Analyzed: 12/19/2012 16:38

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 28.7 Level: (low/med) Low

Analysis Batch No.: 96559 Units: ug/Kg

Number TICs Found: 10 TIC Result Total: 3632

CAS NO.	COMPOUND NAME	RT	RESULT	Q
57590-19-9	3,3,6-Trimethyl-1,5-heptadien-4-ol	11.71	220	T J N
629-82-3	Octane, 1,1'-oxybis-	11.81	61	T J N
1000139-90-4	1-Butoxy-2-ethylhexane	11.94	1000	T J N
67920-65-4	Indeno[3a,4-b]oxiren-2-ol, octahydro-4a-	12.12	91	T J N
10027-95-9	Aziridine, 2-methyl-3-(1-methylethyl)-,	12.22	160	T J N
52835-12-8	2-Propanone, bis(2-methylpropyl)hydrazon	12.54	510	T J N
1000126-58-5	5-Fluoronicotinic acid	12.65	120	T J N
2550-36-9	Cyclohexane, (bromomethyl)-	13.16	710	T J N
39761-61-0	2-Hexene, 5,5-dimethyl-, (Z)-	13.29	440	T J N
4390-4-9	Nonane, 2,2,4,4,6,8,8-heptamethyl-	13.37	320	T J N

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20121219-17691.b\F4458.D
Lims ID: 480-30346-G-7-A Client ID: OC-SB-518-0.0/1.0-XXX
Inject. Date: 19-Dec-2012 16:38:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 480-30346-G-7-A
Misc. Info.: 480-0017691-008 =480-0017691-008
Operator: JMB Instrument ID: HP5973F
Purge Vol: 5.000 mL ALS Bottle#: 8
Lims Batch ID: 96559 Lims Sample ID: 8
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973F\20121219-17691.b\F-8260 SOIL.m
Last Update: 20-Dec-2012 14:27:08 Calib Date: 17-Dec-2012 14:47:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973F\20121217-17620.b\F4396.D
Limit Group: MV - 8260MCP_RCP
Integrator: RTE ID Type: Deconvolution ID
Column Type: ZB-624 Column Dia: 0.25 mm
Process Host: XAWRK010

First Level Reviewer: ByrnesJ Date: 20-Dec-2012 14:23:31

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.608	5.608	0.0	92	267389	50.0	
* 2 Chlorobenzene-d5	82	8.382	8.382	0.0	76	115305	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.700	10.700	0.0	90	110664	50.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.304	5.304	0.0	98	38981	44.2	
$ 5 Toluene-d8 (Surr)	98	6.929	6.934	-0.006	91	294589	44.2	
$ 6 4-Bromofluorobenzene (Surr)	174	9.599	9.599	0.0	91	92193	40.2	
10 Dichlorodifluoromethane	85		2.007					
12 Chloromethane	50		2.159					
13 Vinyl chloride	62		2.274					
14 Bromomethane	94		2.560					
15 Chloroethane	64		2.633					
17 Trichlorofluoromethane	101		2.858					
18 Ethyl ether	59		3.035					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.236					
22 1,1-Dichloroethene	96		3.260					
23 Acetone	43	3.309	3.309	0.0	95	60951	94.3	
26 Carbon disulfide	76		3.473					
27 Methyl acetate	43		3.528					
30 Methylene Chloride	84		3.649					9
32 Methyl tert-butyl ether	73		3.801					
34 trans-1,2-Dichloroethene	96		3.838					
36 Isopropyl ether	45		4.130					
39 1,1-Dichloroethane	63		4.179					
41 Tert-butyl ethyl ether	59		4.416					
43 2-Butanone (MEK)	43	4.623	4.623	0.0	85	21914	21.0	
44 2,2-Dichloropropane	77		4.629					
45 cis-1,2-Dichloroethene	96		4.635					
48 Chlorobromomethane	128		4.842					
49 Tetrahydrofuran	42		4.860					9
50 Chloroform	83		4.878					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
51 1,1,1-Trichloroethane	97		5.024					
52 Cyclohexane	56		5.055					
54 1,1-Dichloropropene	75		5.146					
55 Carbon tetrachloride	117		5.152					
57 Benzene	78		5.335					9
56 Tert-amyl methyl ether	73		5.347					
58 1,2-Dichloroethane	62		5.365					
136 2,4,4-Trimethyl-1-pentene	55	5.730	5.742	-0.012	0	31110	15.6	
62 Trichloroethene	95		5.858					
135 2,4,4-Trimethyl-2-pentene	97	5.919	5.918	0.001	0	60023	14.1	
64 Methylcyclohexane	83		5.992					
65 1,2-Dichloropropane	63		6.077					
66 1,4-Dioxane	88		6.186					
67 Dibromomethane	93		6.211					
68 Dichlorobromomethane	83		6.320					9
72 cis-1,3-Dichloropropene	75		6.703					
73 4-Methyl-2-pentanone (MIBK)	43		6.801					9
74 Toluene	92	6.989	6.995	-0.006	46	3854	0.8301	
77 trans-1,3-Dichloropropene	75		7.220					
79 1,1,2-Trichloroethane	83		7.415					
81 Tetrachloroethene	166		7.525					
82 1,3-Dichloropropane	76		7.585					
80 2-Hexanone	43		7.592					
83 Chlorodibromomethane	129		7.829					
84 Ethylene Dibromide	107		7.963					
87 Chlorobenzene	112		8.413					
88 Ethylbenzene	91	8.474	8.474	0.0	45	16915	2.01	
89 1,1,1,2-Tetrachloroethane	131		8.492					
90 m-Xylene & p-Xylene	106		8.589					
91 o-Xylene	106		9.021					9
92 Styrene	104		9.045					
95 Bromoform	173		9.319					
94 Isopropylbenzene	105		9.386					9
97 1,1,2,2-Tetrachloroethane	83		9.757					
101 Bromobenzene	156		9.769					
100 1,2,3-Trichloropropane	110		9.812					
103 2-Chlorotoluene	126		9.928					
102 1,3,5-Trimethylbenzene	105		9.964					9
99 N-Propylbenzene	91		10.031					9
105 4-Chlorotoluene	126		10.031					
106 tert-Butylbenzene	134		10.280					
107 1,2,4-Trimethylbenzene	105	10.329	10.329	0.0	1	4219	0.6614	
109 sec-Butylbenzene	105		10.481					9
110 4-Isopropyltoluene	119		10.603					9
111 1,3-Dichlorobenzene	146		10.645					9
113 1,4-Dichlorobenzene	146		10.725					9
115 n-Butylbenzene	91		10.974					9
116 1,2-Dichlorobenzene	146		11.065					9
117 1,2-Dibromo-3-Chloropropane	75		11.741					9
119 1,2,4-Trichlorobenzene	180		12.385					9
120 Hexachlorobutadiene	225		12.483					
121 Naphthalene	128		12.623					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
122 1,2,3-Trichlorobenzene	180		12.842					9

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

TestAmerica Buffalo
Tentatively Identified Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973F\20121219-17691.b\F4458.D		
Lims ID:	480-30346-G-7-A	Client ID:	OC-SB-518-0.0/1.0-XXX
Inject. Date:	19-Dec-2012 16:38:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-30346-G-7-A		
Misc. Info.:	480-0017691-008 =480-0017691-008		
Operator:	JMB	Instrument ID:	HP5973F
Purge Vol:	5.000 mL	ALS Bottle#:	8
Lims Batch ID:	96559	Lims Sample ID:	8
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973F\20121219-17691.b\F-8260 SOIL.m		
Last Update:	20-Dec-2012 14:27:08	Calib Date:	17-Dec-2012 14:47:30
Tic RT Window:	1.500 -0.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\Bufchrom\ChromData\Database\NIST98.L		
Min. Match:	0		
Process Host:	XAWRK010		
First Level Reviewer: ByrnesJ		Date:	20-Dec-2012 14:23:31

Tentative Identified Compound Results

RT	Response	Amount ug/kg	Quant Cpnd	Qual	Lib Entry	Flags
57590-19-9 3,3,6-Trimethyl-1,5-heptadien-4-ol						
11.710	2226717	180.3	3	59	34100	
629-82-3 Octane, 1,1'-oxybis-						
11.814	603834	48.9	3	64	17060	
1000139-90-4 1-Butoxy-2-ethylhexane						
11.941	10073019	815.4	3	83	15722	
67920-65-4 Indeno[3a,4-b]oxiren-2-ol, octahydro-4a-						
12.124	901427	73.0	3	64	34554	
10027-95-9 Aziridine, 2-methyl-3-(1-methylethyl)-,						
12.215	1619974	131.1	3	47	33488	
52835-12-8 2-Propanone, bis(2-methylpropyl)hydrazon						
12.544	5088807	411.9	3	42	63862	
1000126-58-5 5-Fluoronicotinic acid						
12.647	1171839	94.9	3	50	63877	
2550-36-9 Cyclohexane, (bromomethyl)-						
13.158	7039660	569.9	3	43	42102	
39761-61-0 2-Hexene, 5,5-dimethyl-, (Z)-						
13.286	4419091	357.7	3	43	112172	
4390-4-9 Nonane, 2,2,4,4,6,8,8-heptamethyl-						
13.365	3155851	255.5	3	10	112111	

Quantitation Compounds

Compound	RT	Response	Amount ug/kg

Report Date: 20-Dec-2012 14:27:13 Chrom Revision: 2.0 22-Oct-2012 16:30:48
Data File: \\Bufchrom\ChromData\HP5973F\20121219-17691.b\F4458.D

Compound	RT	Response	Amount ug/kg
* 3 1,4-Dichlorobenzene-d4	10.700	617666	50.0

QC Flag Legend

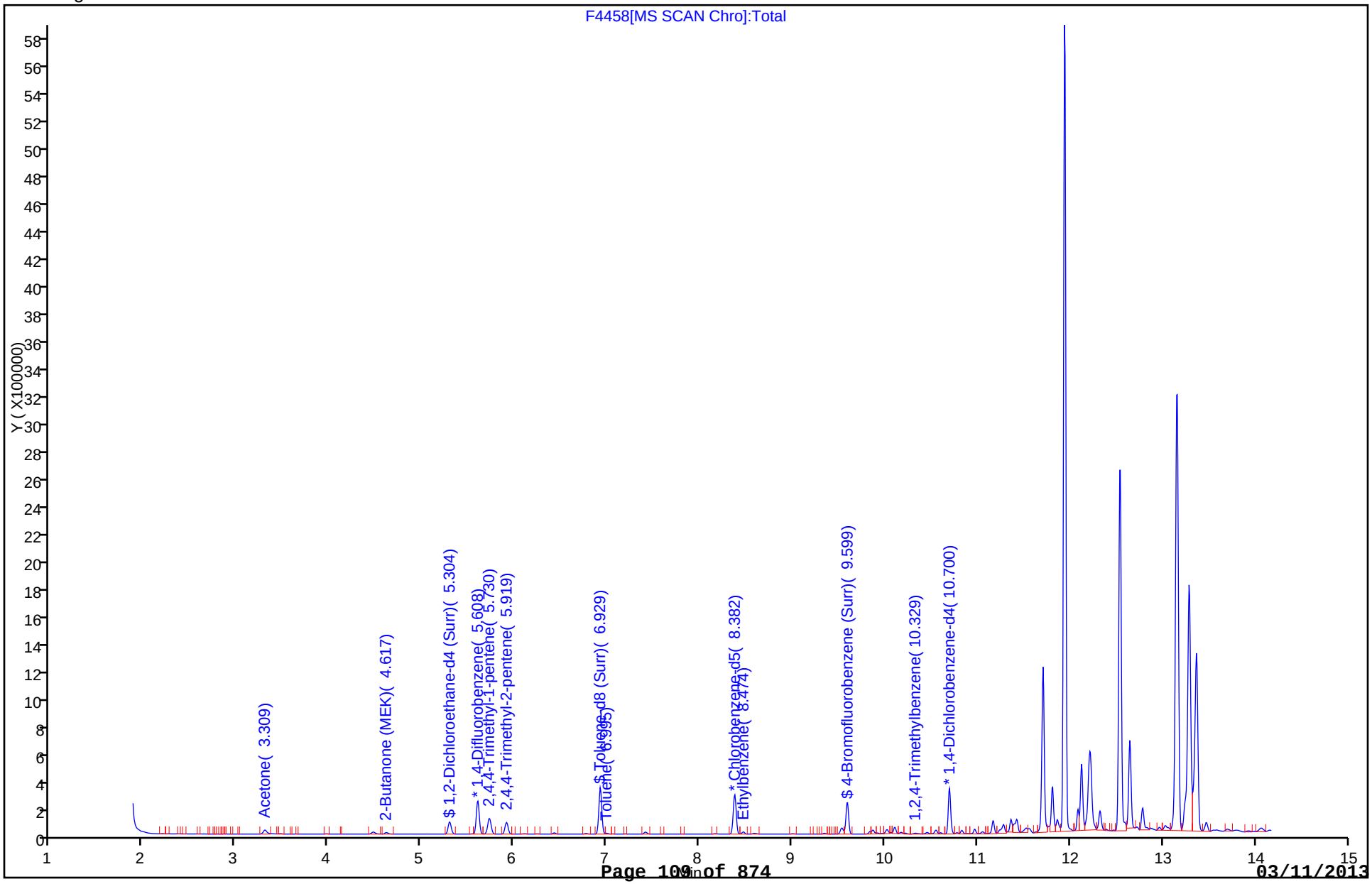
Processing Flags

Report Date: 20-Dec-2012 14:27:13 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973F\20121219-17691.b\F4458.D		
Injection Date:	19-Dec-2012 16:38:30	Limit Group:	MV - 8260MCP_RCP
Client ID:	OC-SB-518-0.0/1.0-XXX	Instrument ID:	HP5973F
Lims Batch ID:	96559	Lims Sample ID:	8
Operator ID:	JMB	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:

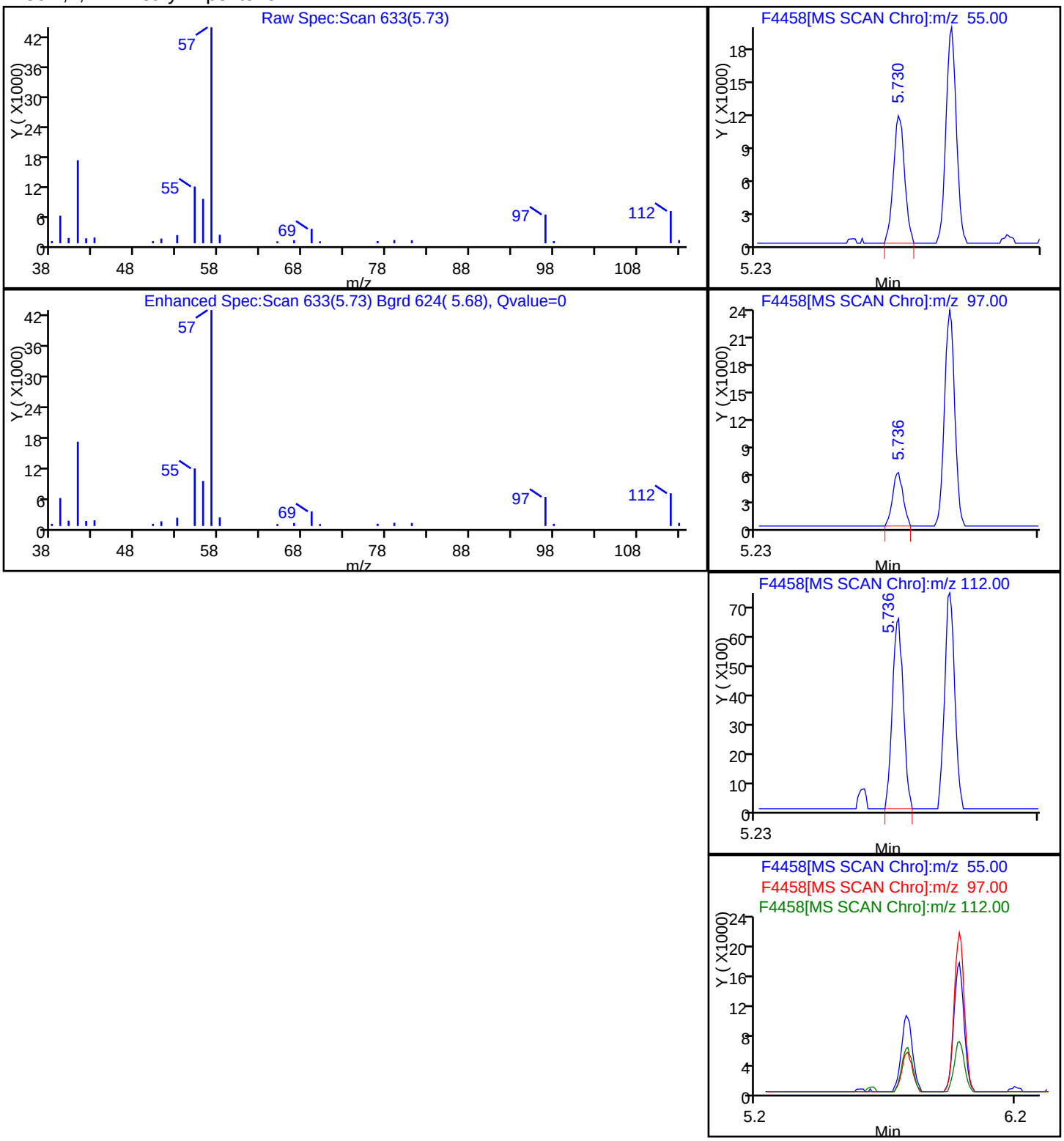


Report Date: 20-Dec-2012 14:27:13 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973F\20121219-17691.b\F4458.D		
Injection Date:	19-Dec-2012 16:38:30	Limit Group:	MV - 8260MCP_RCP
Client ID:	OC-SB-518-0.0/1.0-XXX	Instrument ID:	HP5973F
Lims Batch ID:	96559	Lims Sample ID:	8
Operator ID:	JMB	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

136 2,4,4-Trimethyl-1-pentene

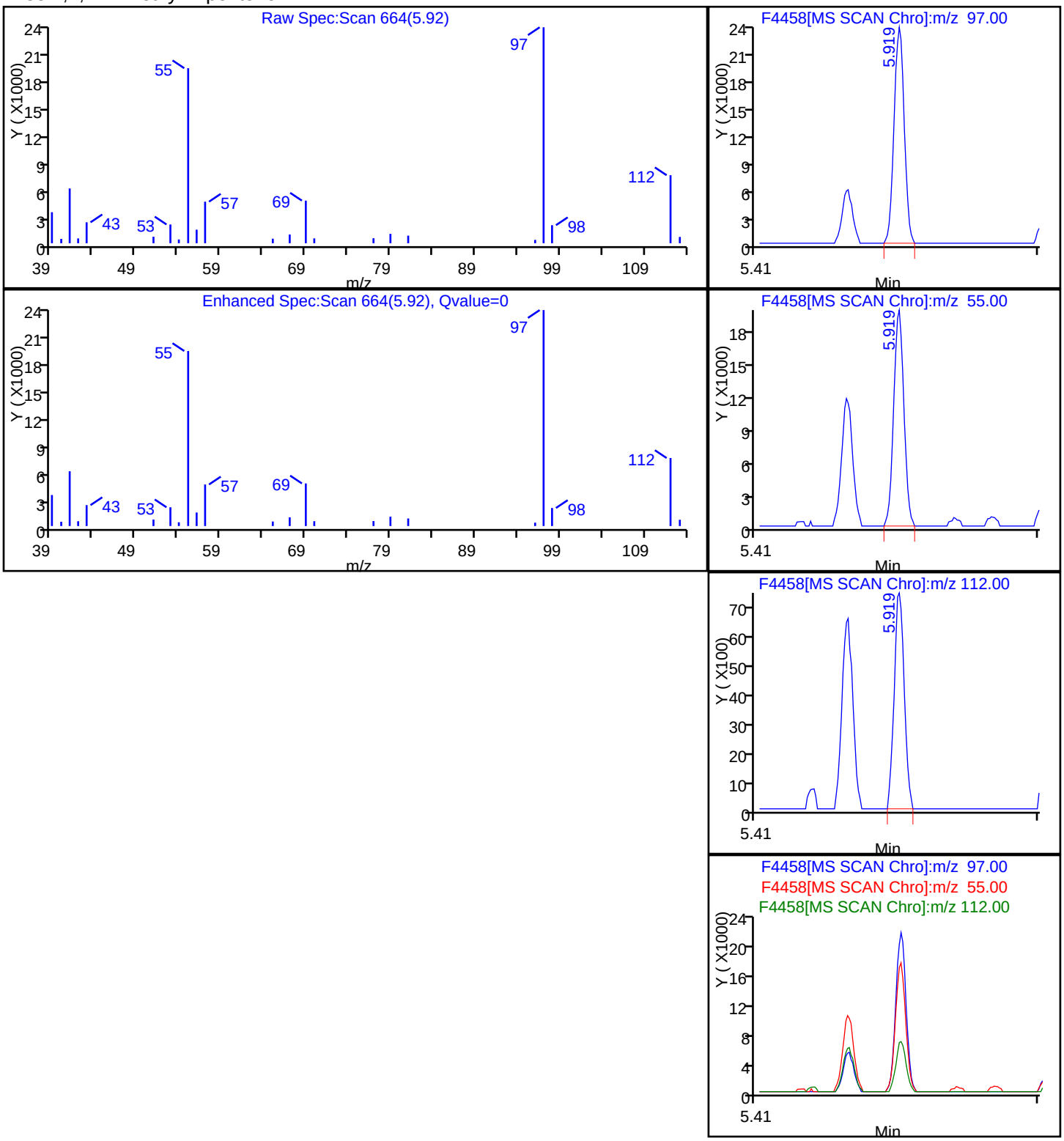


Report Date: 20-Dec-2012 14:27:13 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973F\20121219-17691.b\F4458.D		
Injection Date:	19-Dec-2012 16:38:30	Limit Group:	MV - 8260MCP_RCP
Client ID:	OC-SB-518-0.0/1.0-XXX	Instrument ID:	HP5973F
Lims Batch ID:	96559	Lims Sample ID:	8
Operator ID:	JMB	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

135 2,4,4-Trimethyl-2-pentene

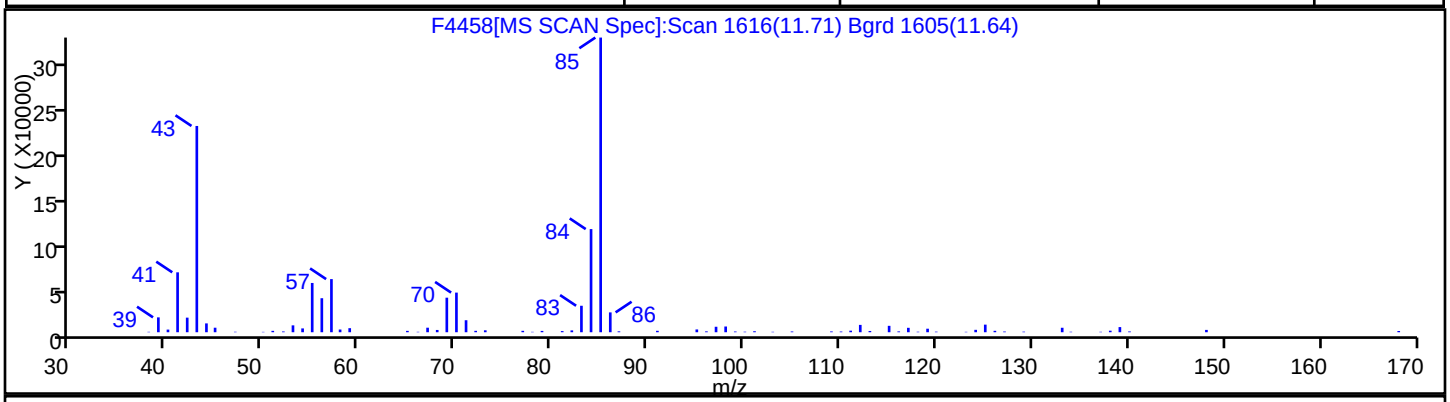


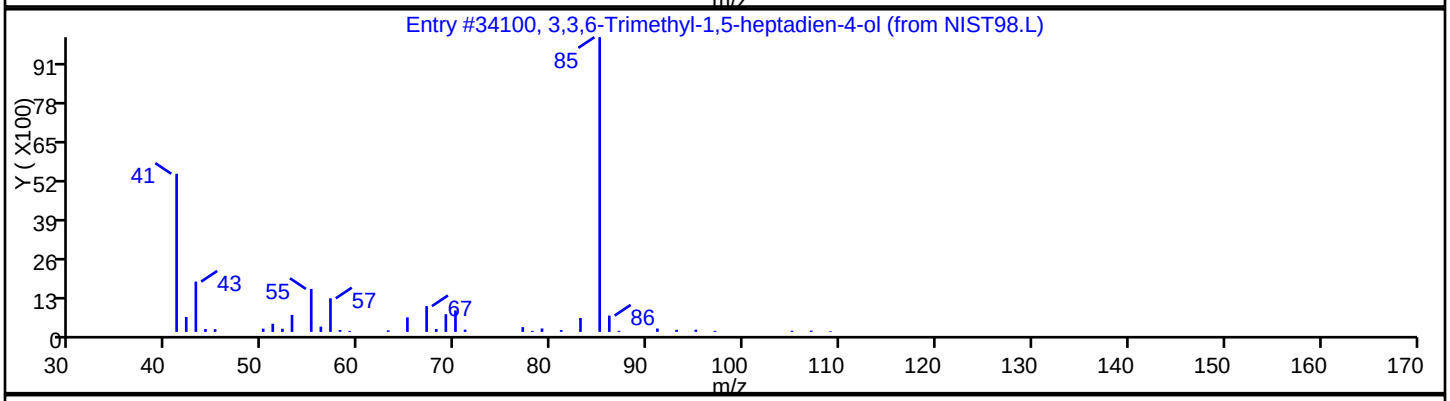
Report Date: 20-Dec-2012 14:27:13 Chrom Revision: 2.0 22-Oct-2012 16:30:48

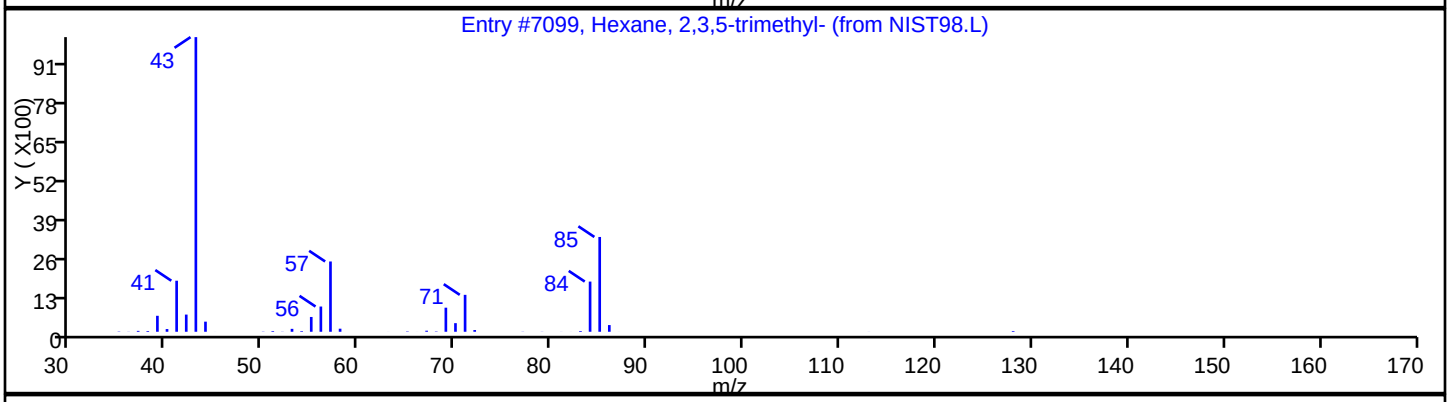
TestAmerica Buffalo

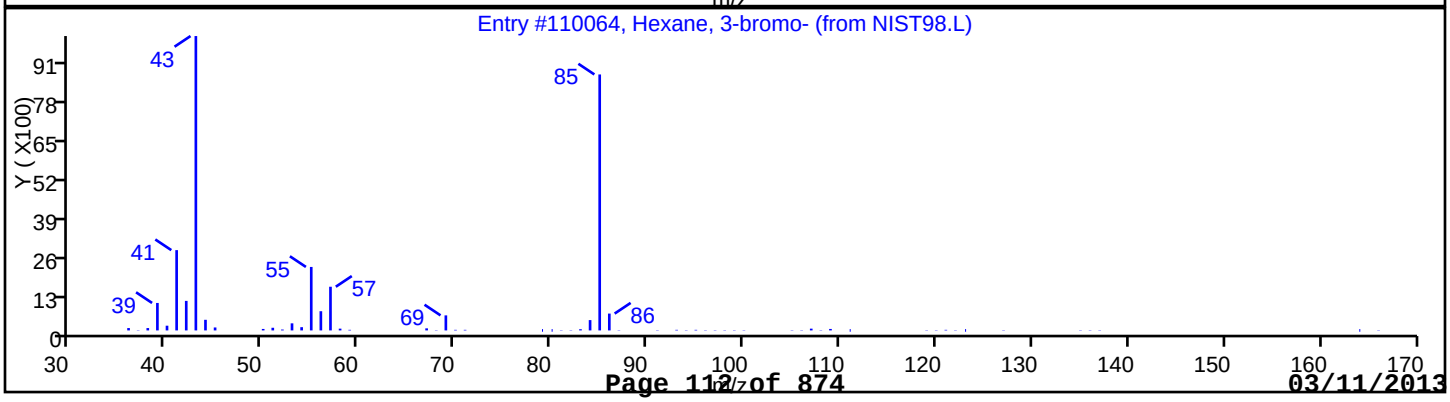
Data File:	\\Bufchrom\ChromData\HP5973F\20121219-17691.b\F4458.D		
Injection Date:	19-Dec-2012 16:38:30	Limit Group:	MV - 8260MCP_RCP
Client ID:	OC-SB-518-0.0/1.0-XXX	Instrument ID:	HP5973F
Lims Batch ID:	96559	Lims Sample ID:	8
Operator ID:	JMB	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
3,3,6-Trimethyl-1,5-heptadien-4-ol	57590-19-9	NIST98.L	34100	59
Hexane, 2,3,5-trimethyl-	1069-53-0	NIST98.L	7099	56
Hexane, 3-bromo-	3377-87-5	NIST98.L	110064	53







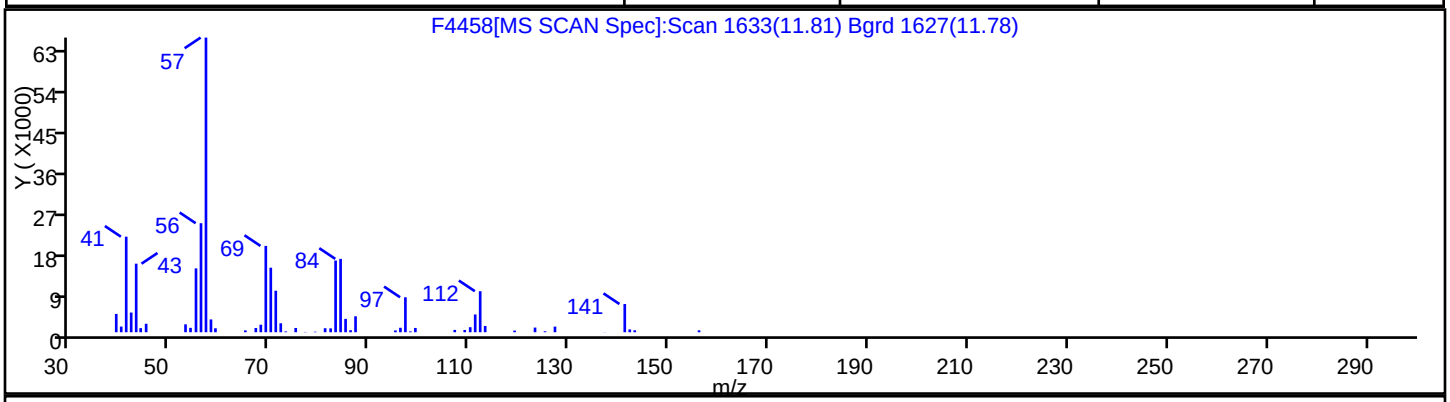


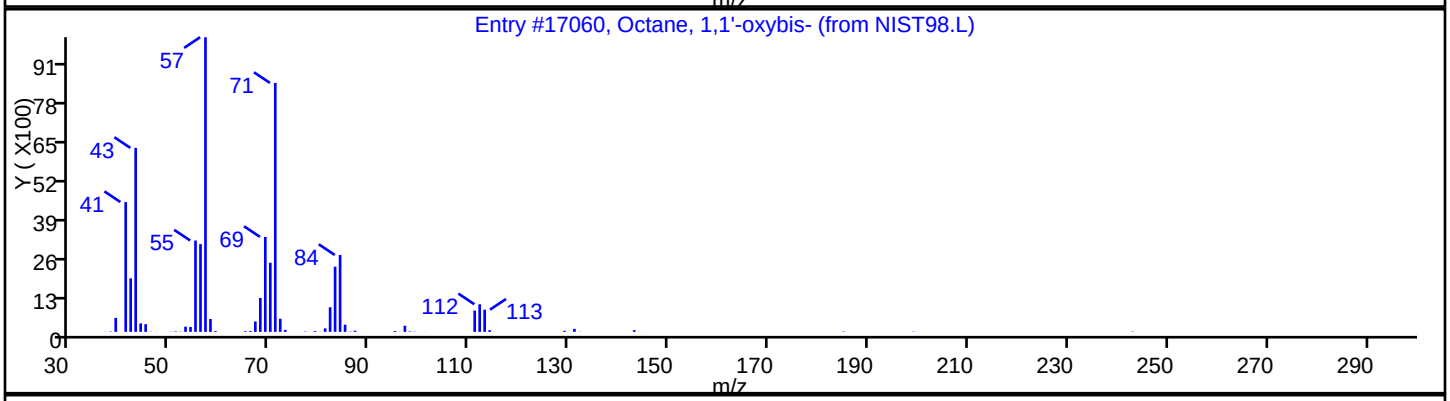
Report Date: 20-Dec-2012 14:27:13 Chrom Revision: 2.0 22-Oct-2012 16:30:48

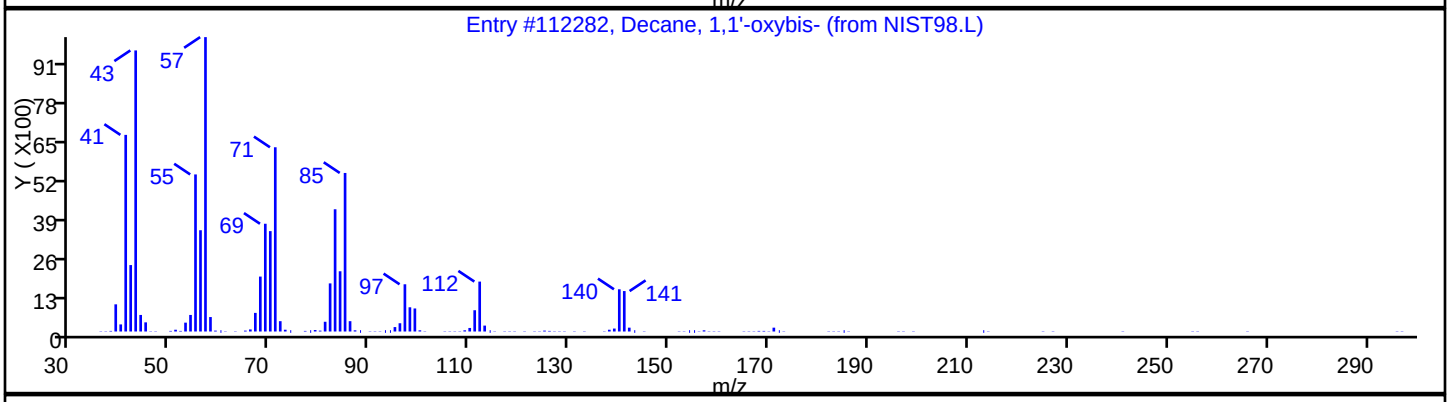
TestAmerica Buffalo

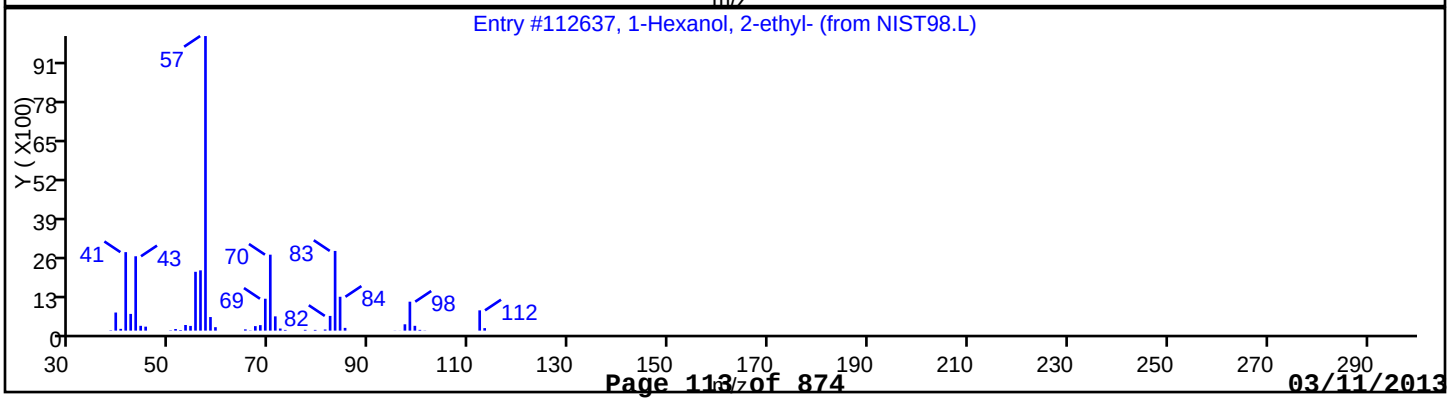
Data File:	\\Bufchrom\ChromData\HP5973F\20121219-17691.b\F4458.D		
Injection Date:	19-Dec-2012 16:38:30	Limit Group:	MV - 8260MCP_RCP
Client ID:	OC-SB-518-0.0/1.0-XXX	Instrument ID:	HP5973F
Lims Batch ID:	96559	Lims Sample ID:	8
Operator ID:	JMB	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Octane, 1,1'-oxybis-	629-82-3	NIST98.L	17060	64
Decane, 1,1'-oxybis-	2456-28-2	NIST98.L	112282	50
1-Hexanol, 2-ethyl-	104-76-7	NIST98.L	112637	50







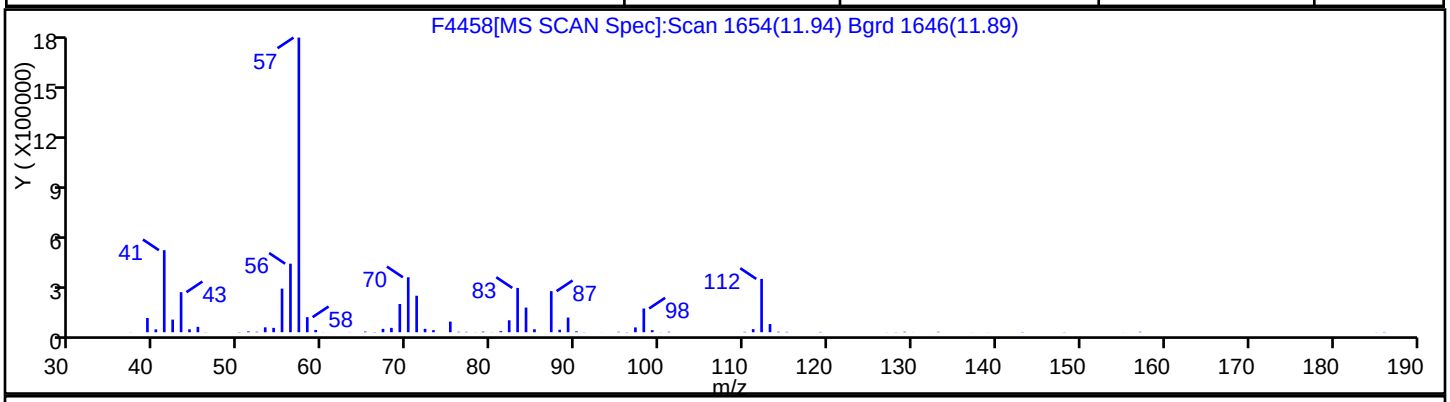


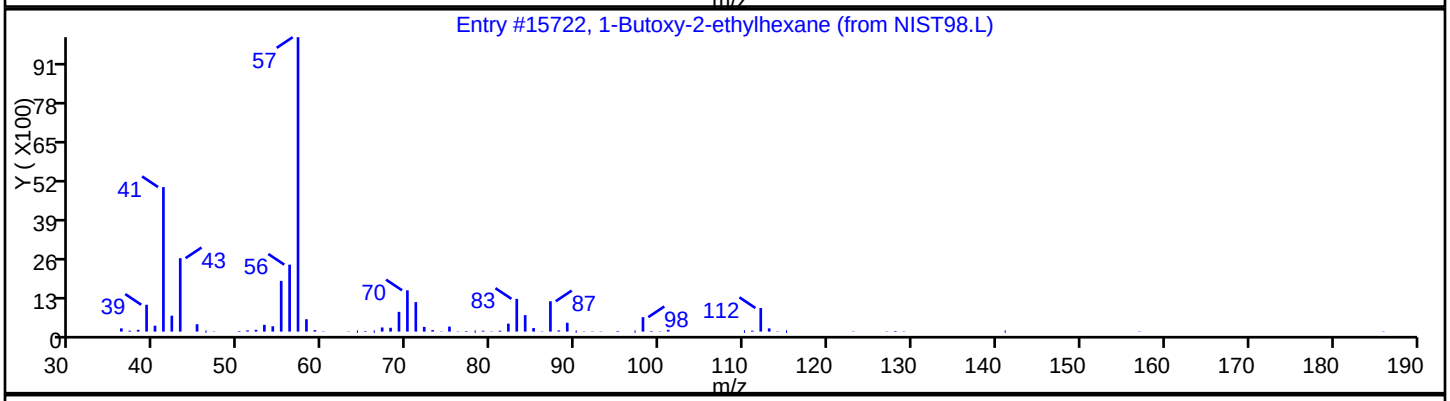
Report Date: 20-Dec-2012 14:27:13 Chrom Revision: 2.0 22-Oct-2012 16:30:48

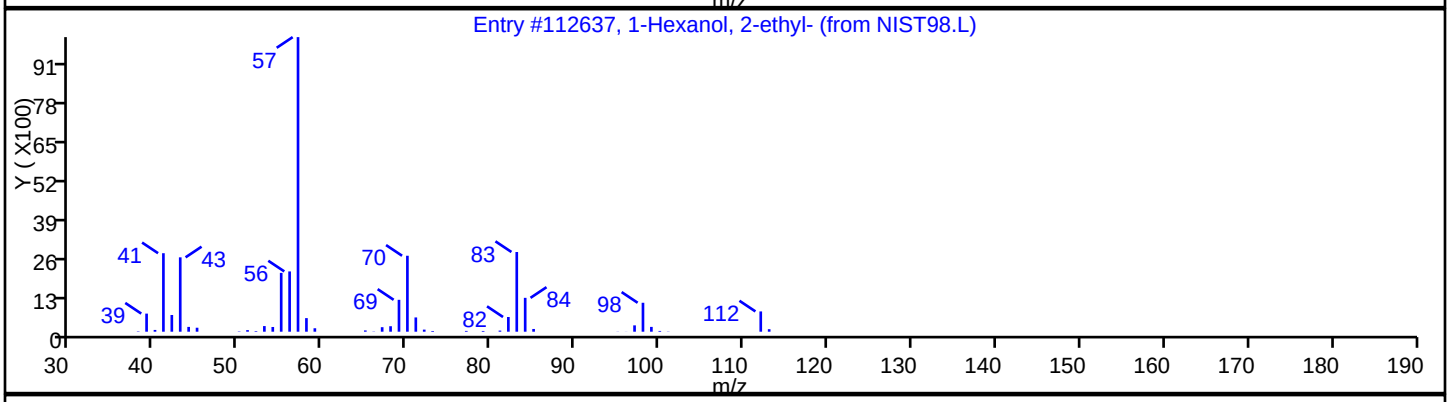
TestAmerica Buffalo

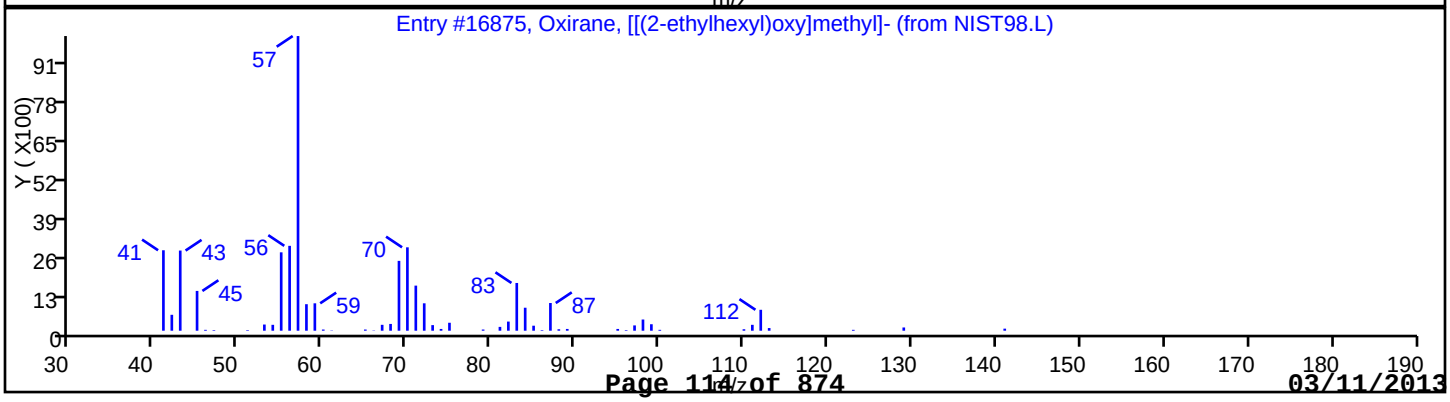
Data File:	\\Bufchrom\ChromData\HP5973F\20121219-17691.b\F4458.D		
Injection Date:	19-Dec-2012 16:38:30	Limit Group:	MV - 8260MCP_RCP
Client ID:	OC-SB-518-0.0/1.0-XXX	Instrument ID:	HP5973F
Lims Batch ID:	96559	Lims Sample ID:	8
Operator ID:	JMB	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
1-Butoxy-2-ethylhexane	1000139-90-4	NIST98.L	15722	83
1-Hexanol, 2-ethyl-	104-76-7	NIST98.L	112637	53
Oxirane, [[(2-ethylhexyl)oxy]methyl]-	2461-15-6	NIST98.L	16875	45







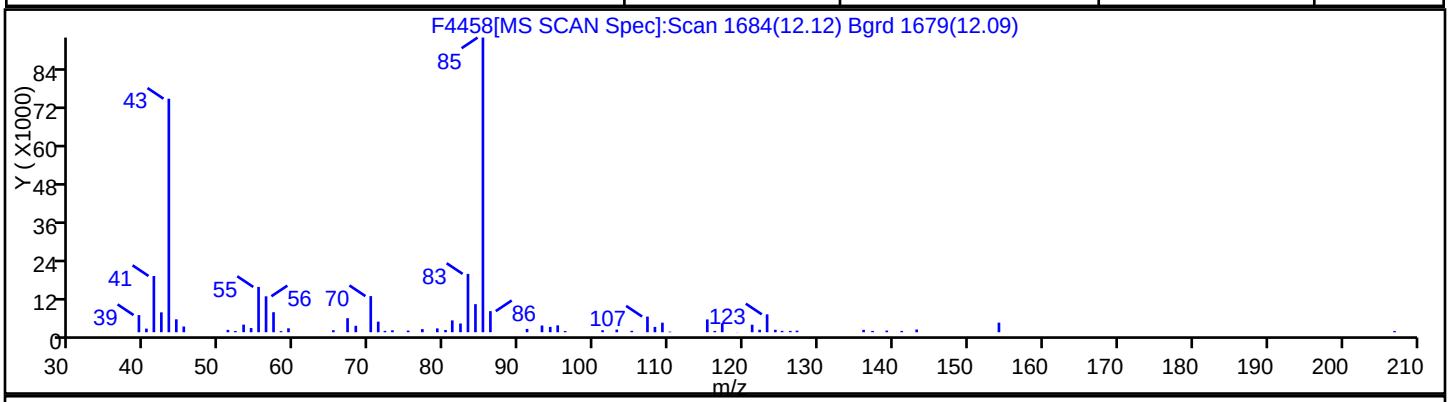


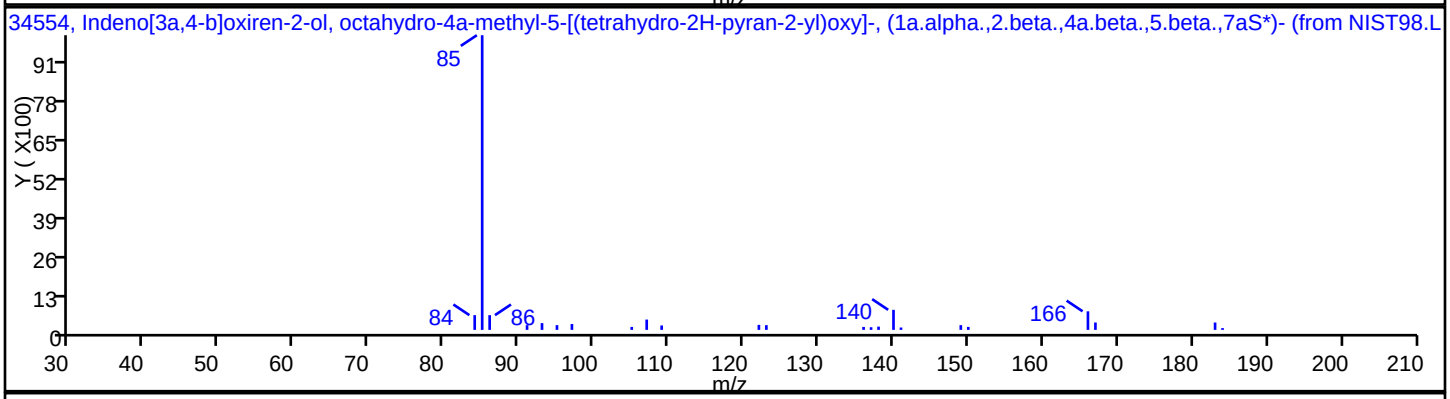
Report Date: 20-Dec-2012 14:27:13 Chrom Revision: 2.0 22-Oct-2012 16:30:48

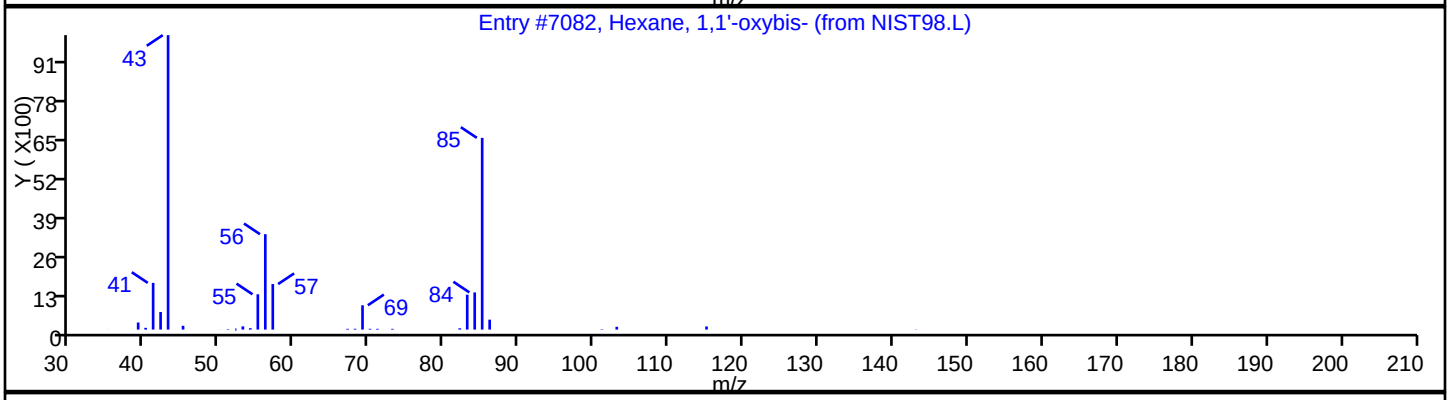
TestAmerica Buffalo

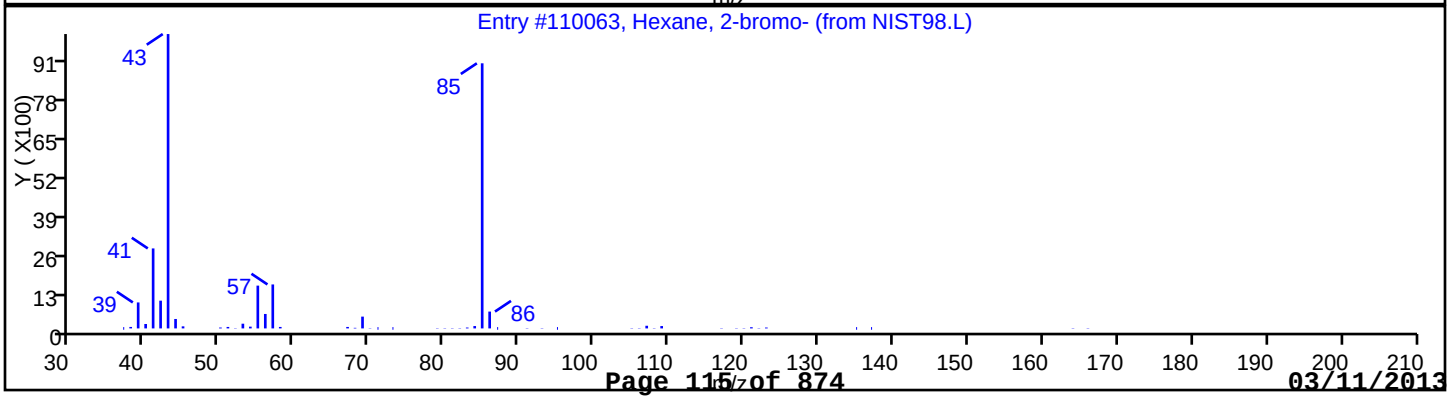
Data File:	\\Bufchrom\ChromData\HP5973F\20121219-17691.b\F4458.D		
Injection Date:	19-Dec-2012 16:38:30	Limit Group:	MV - 8260MCP_RCP
Client ID:	OC-SB-518-0.0/1.0-XXX	Instrument ID:	HP5973F
Lims Batch ID:	96559	Lims Sample ID:	8
Operator ID:	JMB	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Indeno[3a,4-b]oxiren-2-ol, octahydro-4a-	67920-65-4	NIST98.L	34554	64
Hexane, 1,1'-oxybis-	112-58-3	NIST98.L	7082	59
Hexane, 2-bromo-	3377-86-4	NIST98.L	110063	50







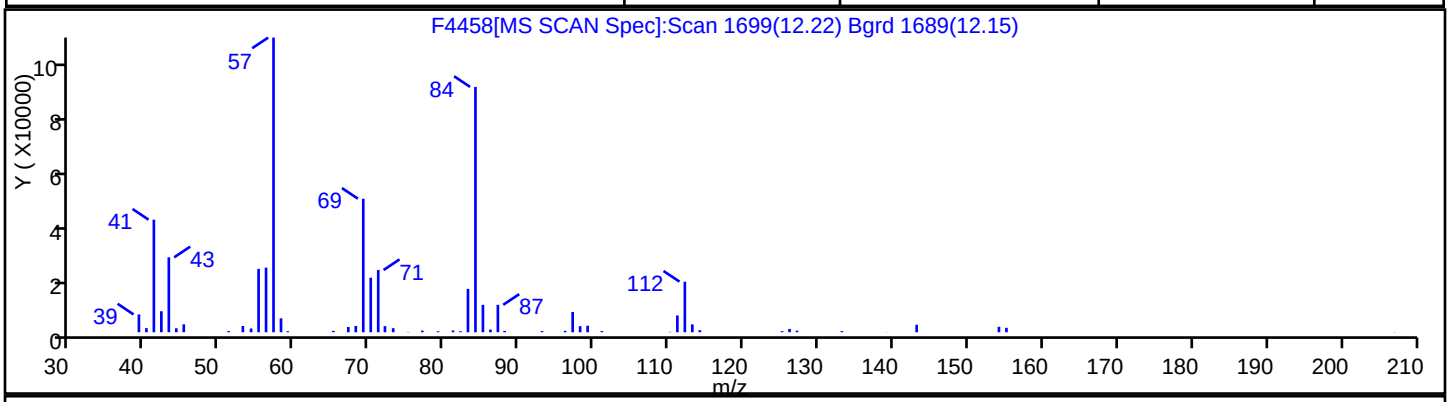


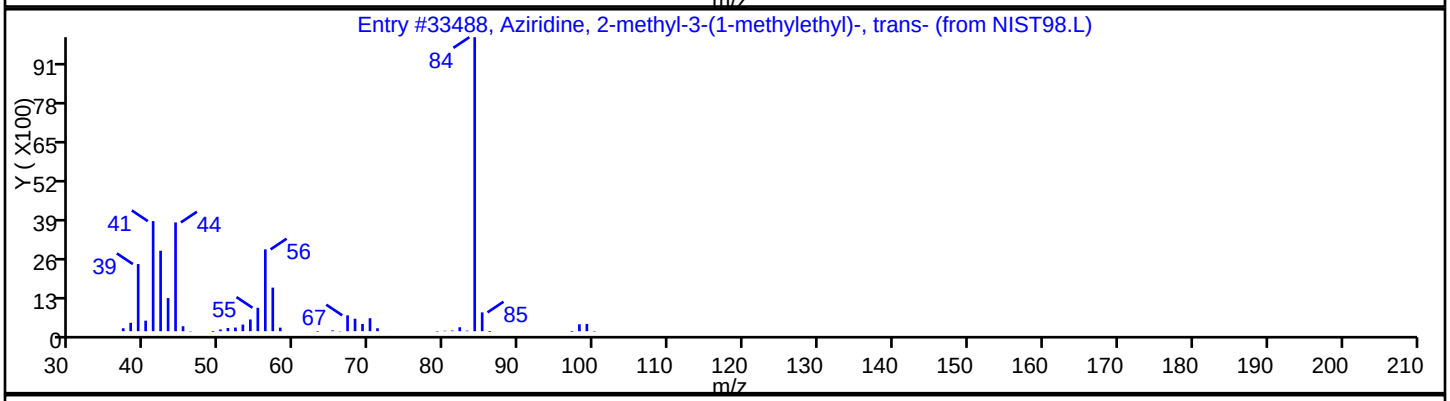
Report Date: 20-Dec-2012 14:27:14 Chrom Revision: 2.0 22-Oct-2012 16:30:48

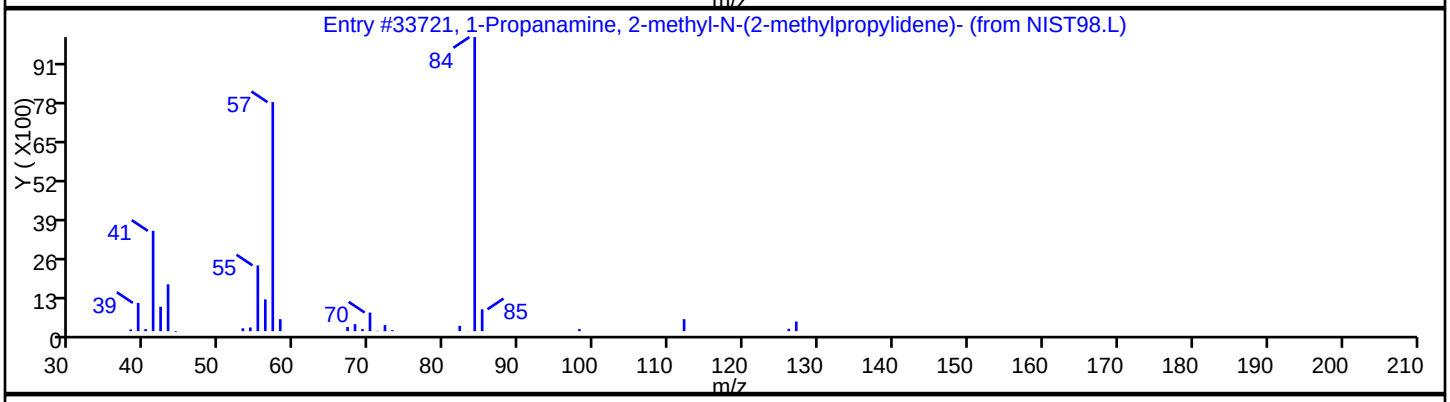
TestAmerica Buffalo

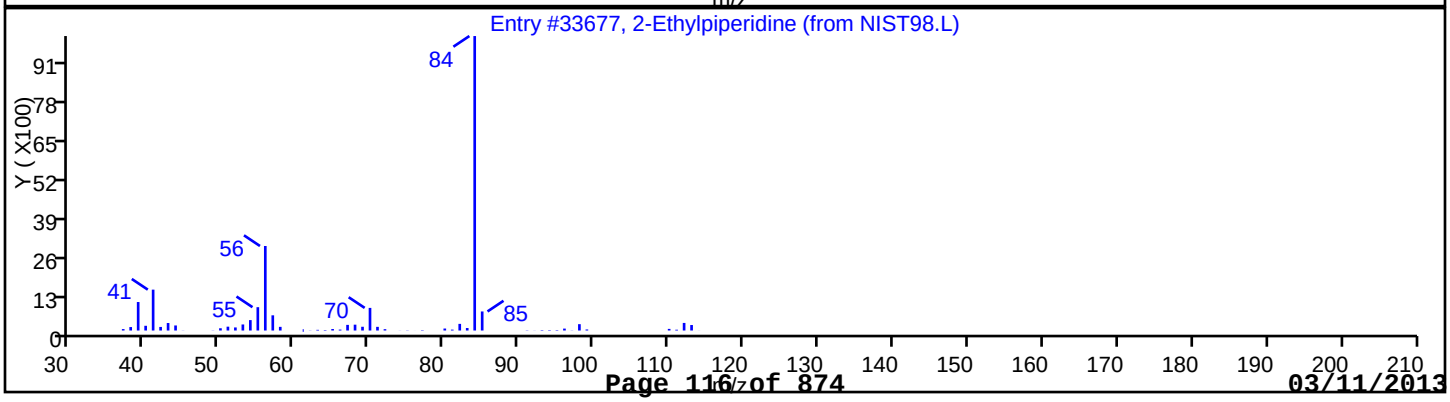
Data File:	\\Bufchrom\ChromData\HP5973F\20121219-17691.b\F4458.D		
Injection Date:	19-Dec-2012 16:38:30	Limit Group:	MV - 8260MCP_RCP
Client ID:	OC-SB-518-0.0/1.0-XXX	Instrument ID:	HP5973F
Lims Batch ID:	96559	Lims Sample ID:	8
Operator ID:	JMB	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Aziridine, 2-methyl-3-(1-methylethyl)-,	10027-95-9	NIST98.L	33488	47
1-Propanamine, 2-methyl-N-(2-methylpropy	6898-82-4	NIST98.L	33721	47
2-Ethylpiperidine	1484-80-6	NIST98.L	33677	47







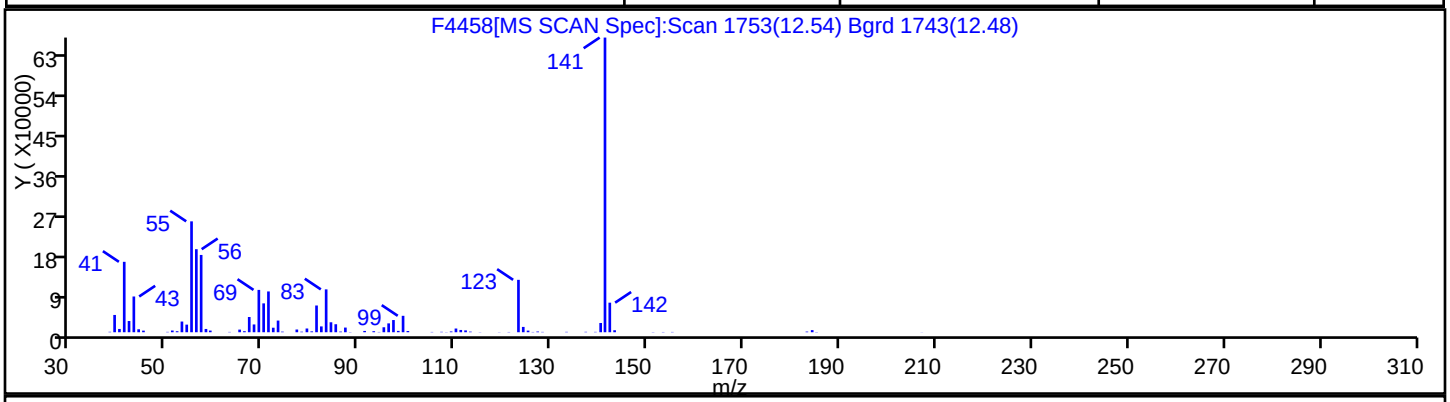


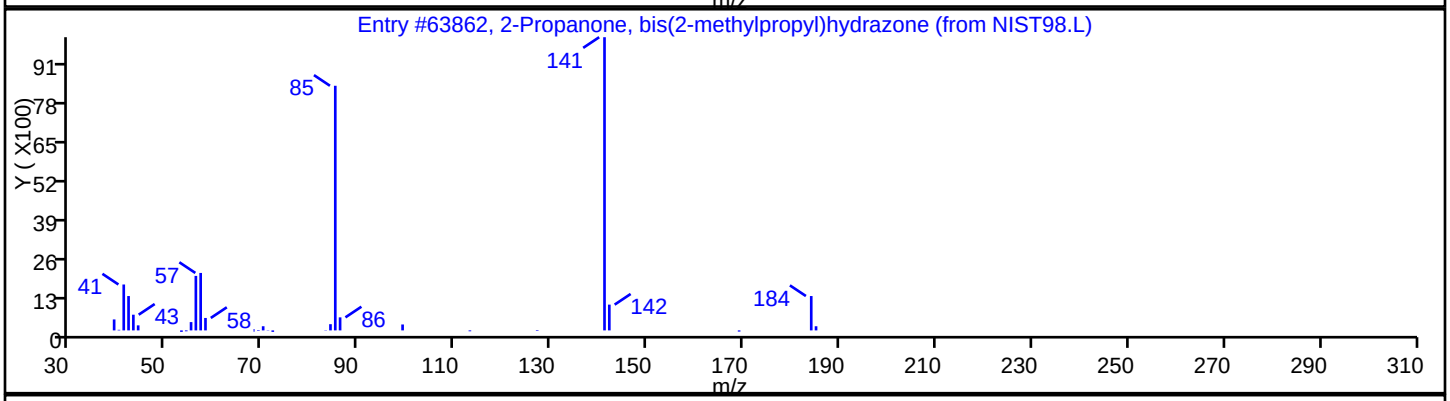
Report Date: 20-Dec-2012 14:27:14 Chrom Revision: 2.0 22-Oct-2012 16:30:48

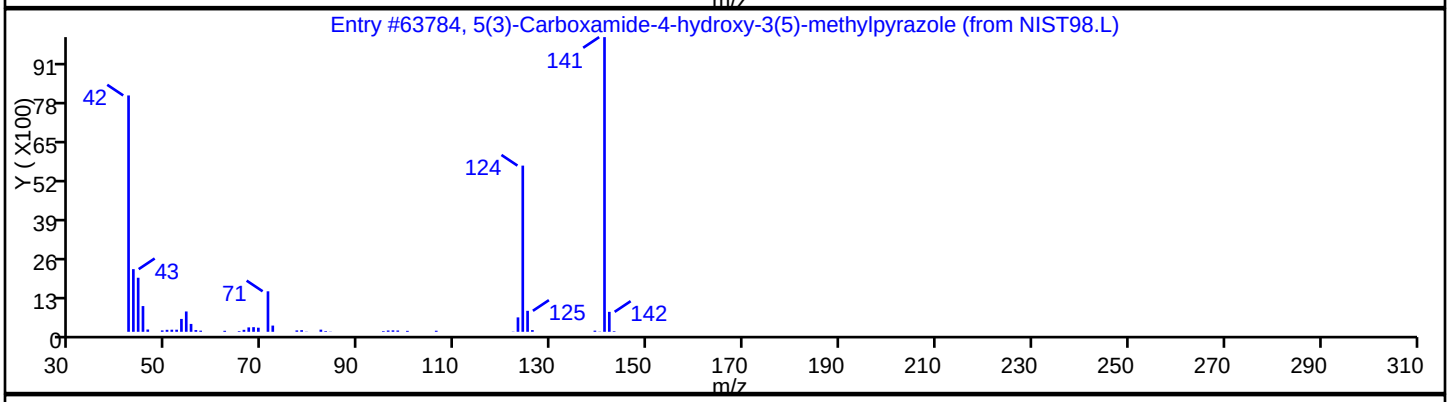
TestAmerica Buffalo

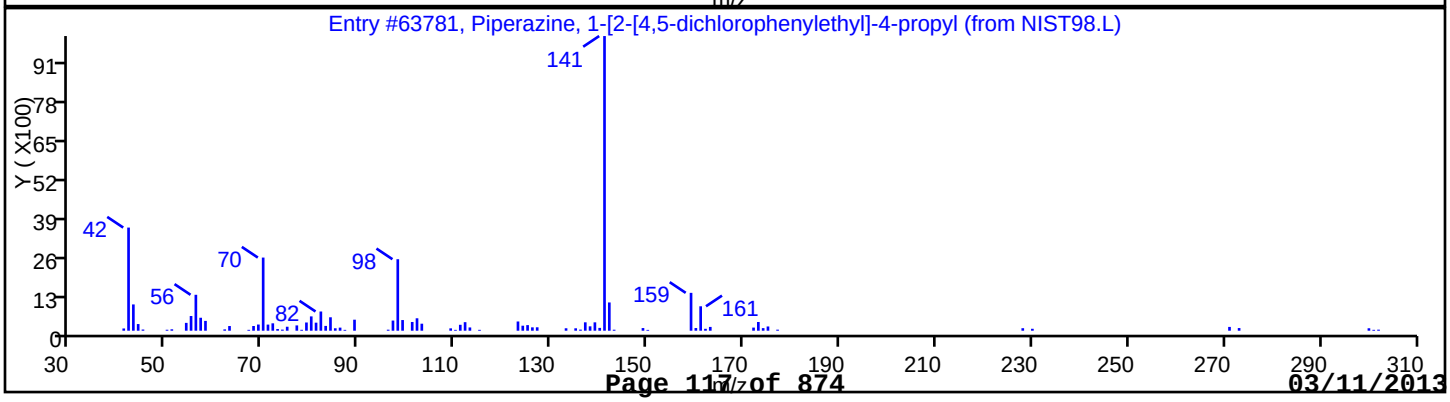
Data File:	\\Bufchrom\ChromData\HP5973F\20121219-17691.b\F4458.D		
Injection Date:	19-Dec-2012 16:38:30	Limit Group:	MV - 8260MCP_RCP
Client ID:	OC-SB-518-0.0/1.0-XXX	Instrument ID:	HP5973F
Lims Batch ID:	96559	Lims Sample ID:	8
Operator ID:	JMB	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
2-Propanone, bis(2-methylpropyl)hydrazon	52835-12-8	NIST98.L	63862	42
5(3)-Carboxamide-4-hydroxy-3(5)-methylpy	1000211-61-3	NIST98.L	63784	38
Piperazine, 1-[2-[4,5-dichlorophenylethy	150208-29-0	NIST98.L	63781	33







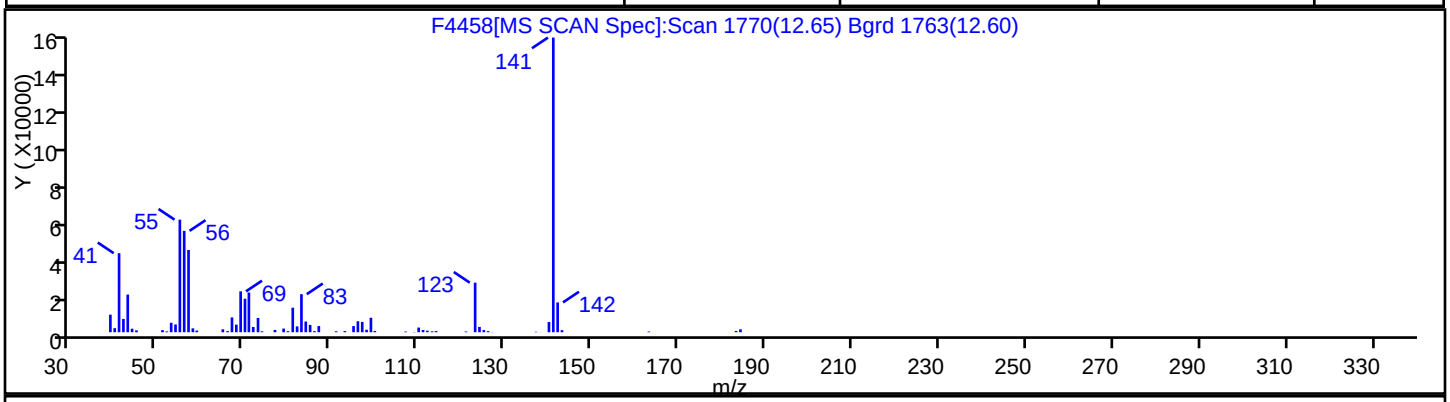


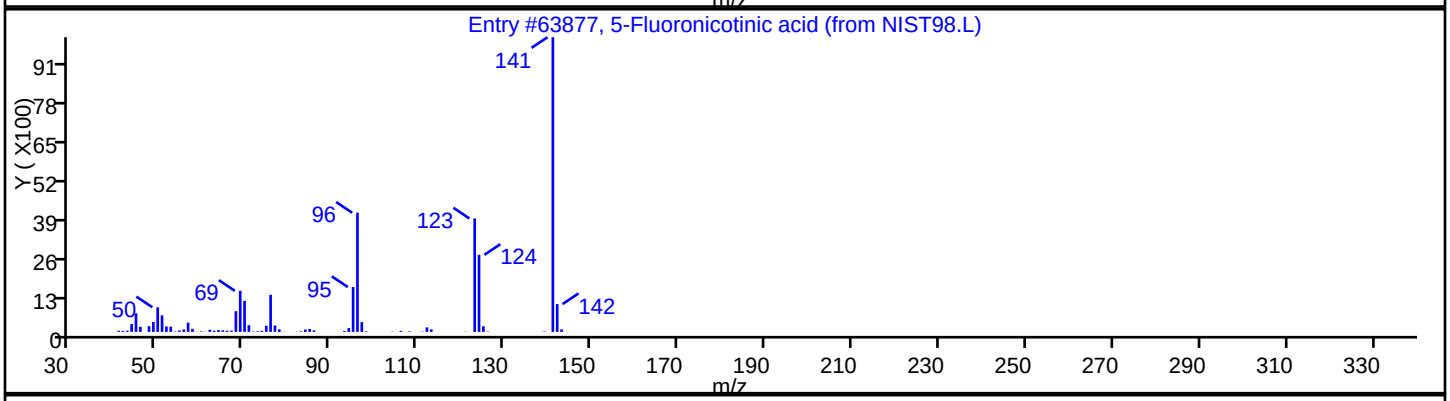
Report Date: 20-Dec-2012 14:27:14 Chrom Revision: 2.0 22-Oct-2012 16:30:48

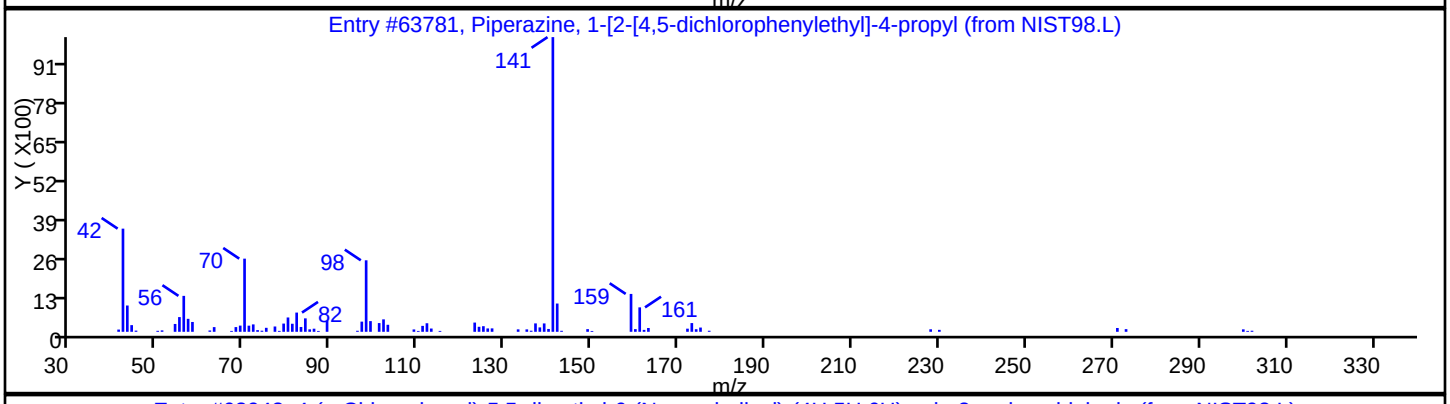
TestAmerica Buffalo

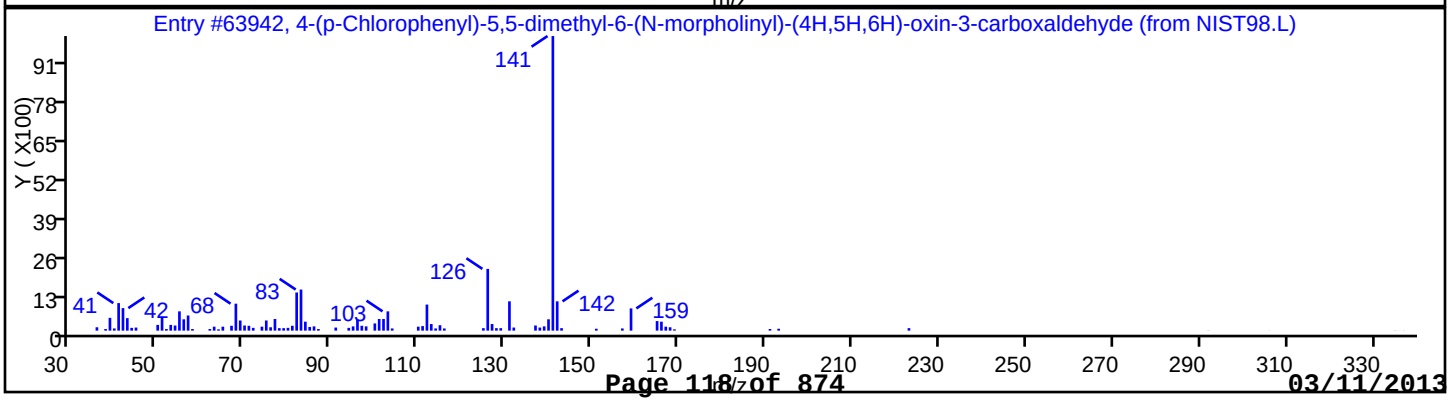
Data File:	\\Bufchrom\ChromData\HP5973F\20121219-17691.b\F4458.D		
Injection Date:	19-Dec-2012 16:38:30	Limit Group:	MV - 8260MCP_RCP
Client ID:	OC-SB-518-0.0/1.0-XXX	Instrument ID:	HP5973F
Lims Batch ID:	96559	Lims Sample ID:	8
Operator ID:	JMB	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
5-Fluoronicotinic acid	1000126-58-5	NIST98.L	63877	50
Piperazine, 1-[2-[4,5-dichlorophenylethy	150208-29-0	NIST98.L	63781	38
4-(p-Chlorophenyl)-5,5-dimethyl-6-(N-mor	1000101-49-5	NIST98.L	63942	36







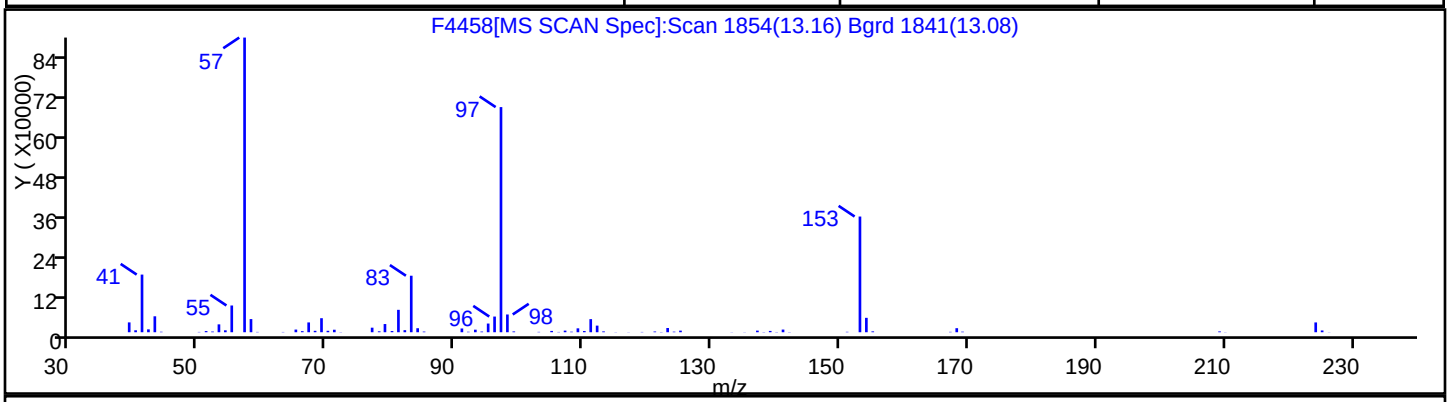


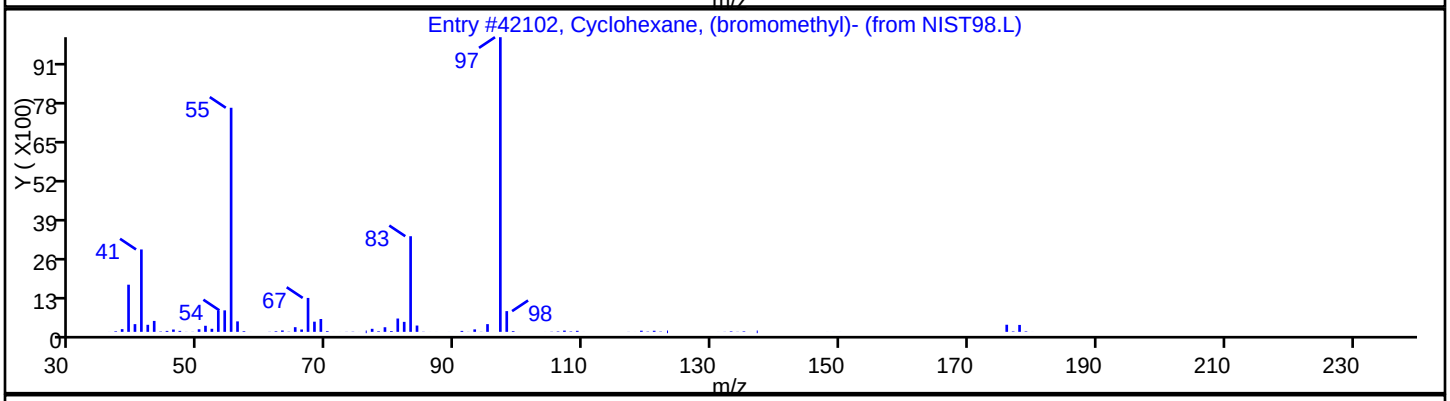
Report Date: 20-Dec-2012 14:27:14 Chrom Revision: 2.0 22-Oct-2012 16:30:48

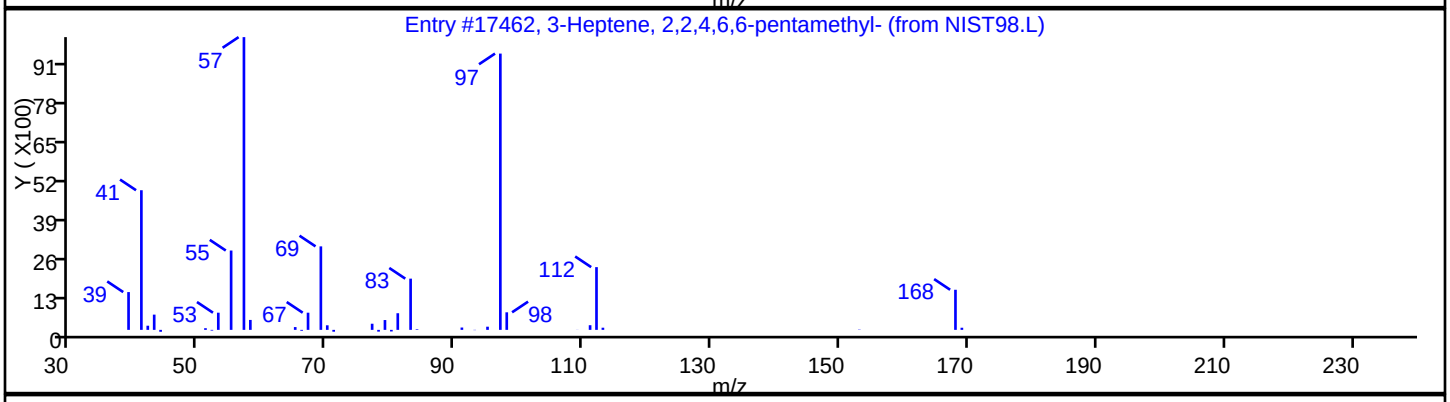
TestAmerica Buffalo

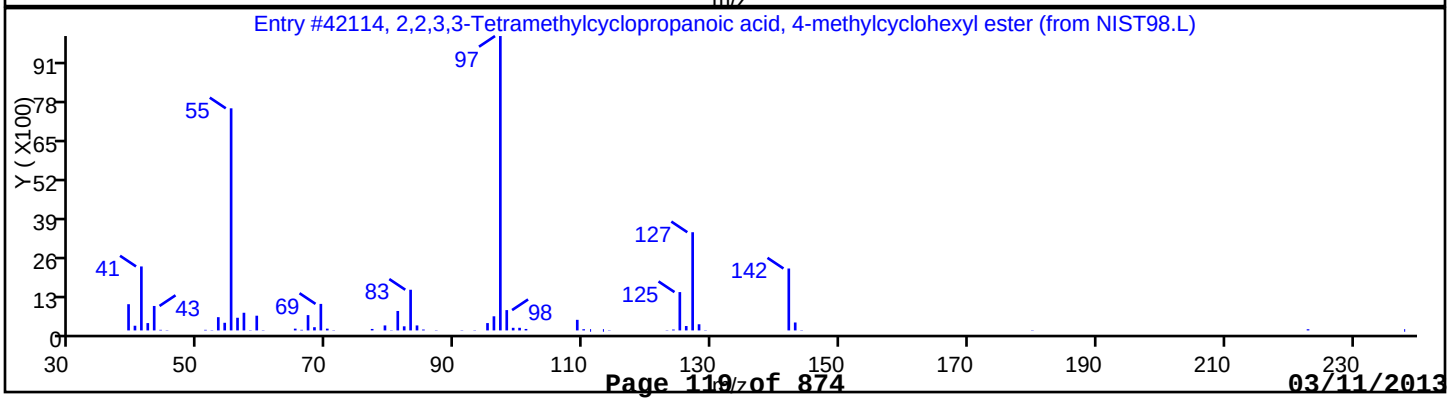
Data File:	\\Bufchrom\ChromData\HP5973F\20121219-17691.b\F4458.D		
Injection Date:	19-Dec-2012 16:38:30	Limit Group:	MV - 8260MCP_RCP
Client ID:	OC-SB-518-0.0/1.0-XXX	Instrument ID:	HP5973F
Lims Batch ID:	96559	Lims Sample ID:	8
Operator ID:	JMB	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Cyclohexane, (bromomethyl)-	2550-36-9	NIST98.L	42102	43
3-Heptene, 2,2,4,6,6-pentamethyl-	123-48-8	NIST98.L	17462	40
2,2,3,3-Tetramethylcyclopropanoic acid,	1000221-97-5	NIST98.L	42114	37







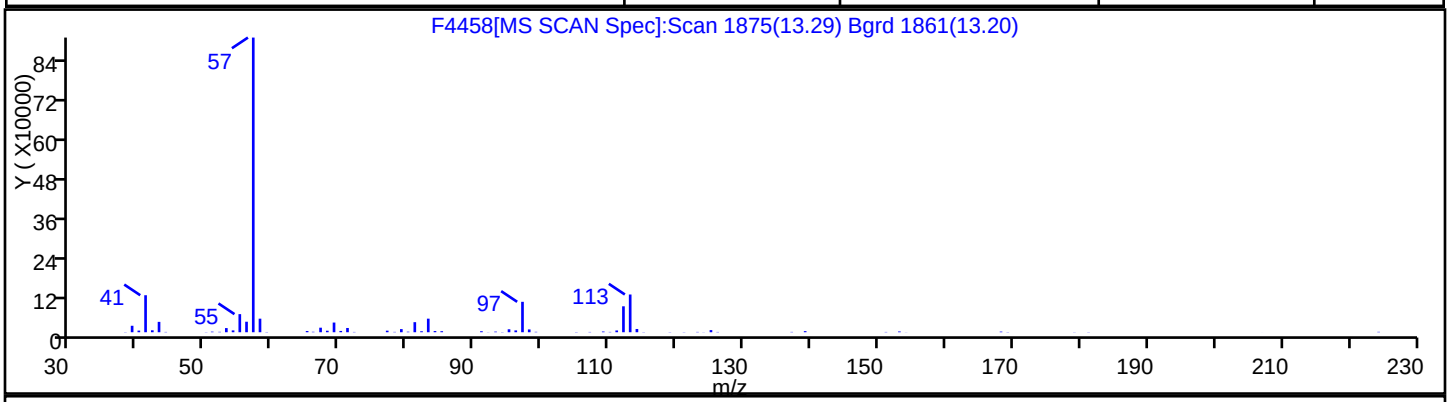


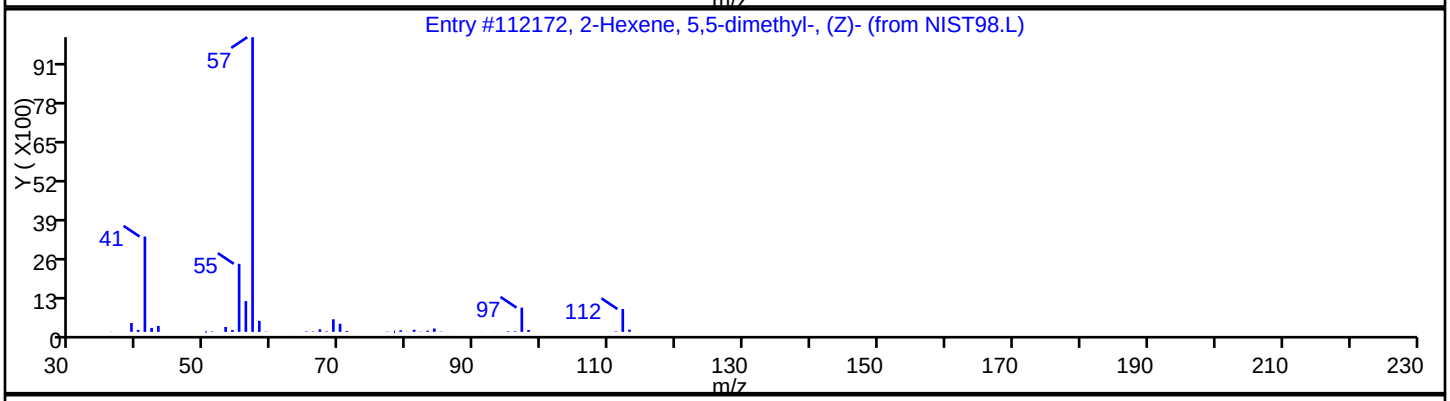
Report Date: 20-Dec-2012 14:27:14 Chrom Revision: 2.0 22-Oct-2012 16:30:48

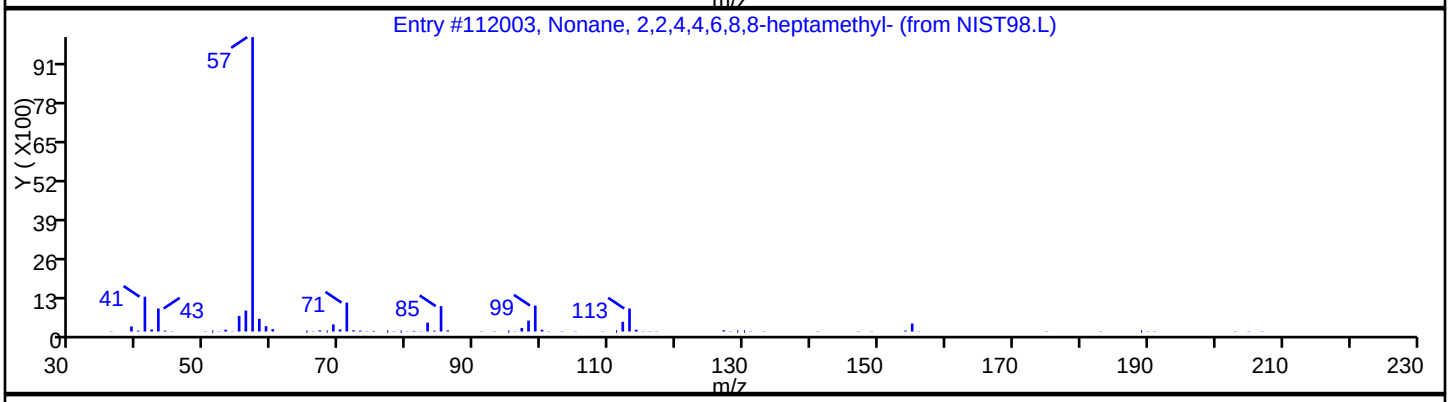
TestAmerica Buffalo

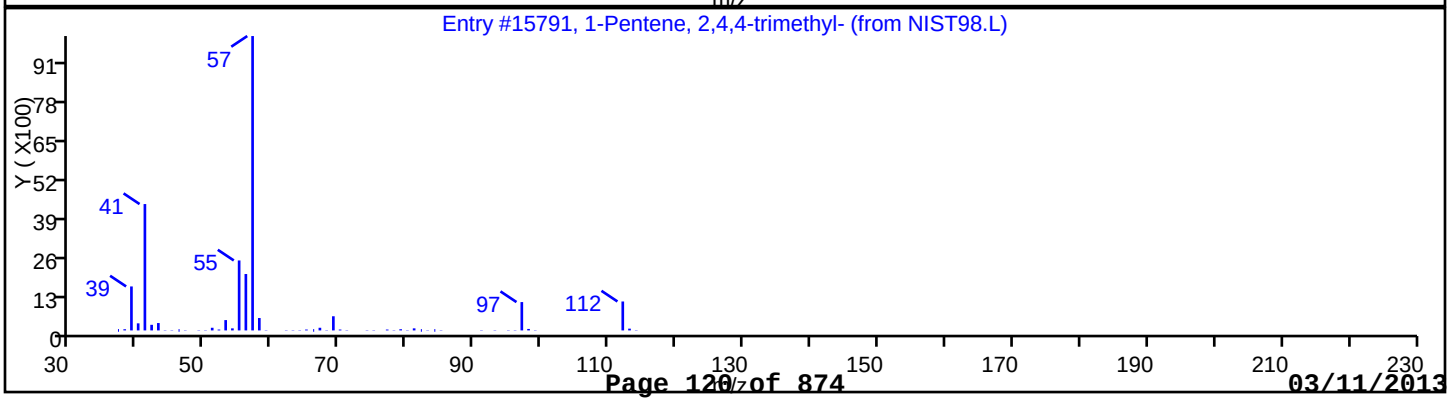
Data File:	\\Bufchrom\ChromData\HP5973F\20121219-17691.b\F4458.D		
Injection Date:	19-Dec-2012 16:38:30	Limit Group:	MV - 8260MCP_RCP
Client ID:	OC-SB-518-0.0/1.0-XXX	Instrument ID:	HP5973F
Lims Batch ID:	96559	Lims Sample ID:	8
Operator ID:	JMB	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
2-Hexene, 5,5-dimethyl-, (Z)-	39761-61-0	NIST98.L	112172	43
Nonane, 2,2,4,4,6,8,8-heptamethyl-	4390-4-9	NIST98.L	112003	42
1-Pentene, 2,4,4-trimethyl-	107-39-1	NIST98.L	15791	37









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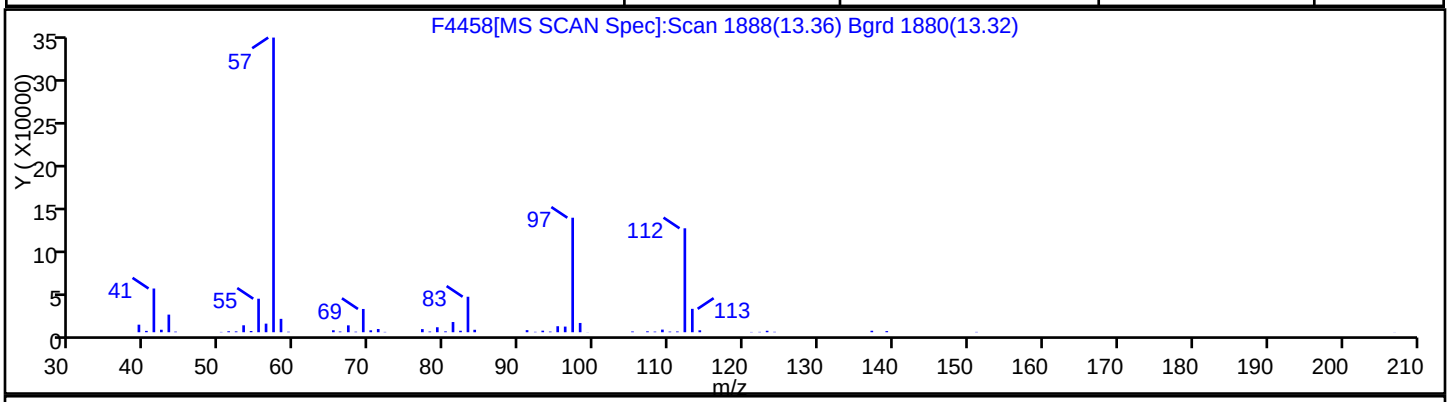
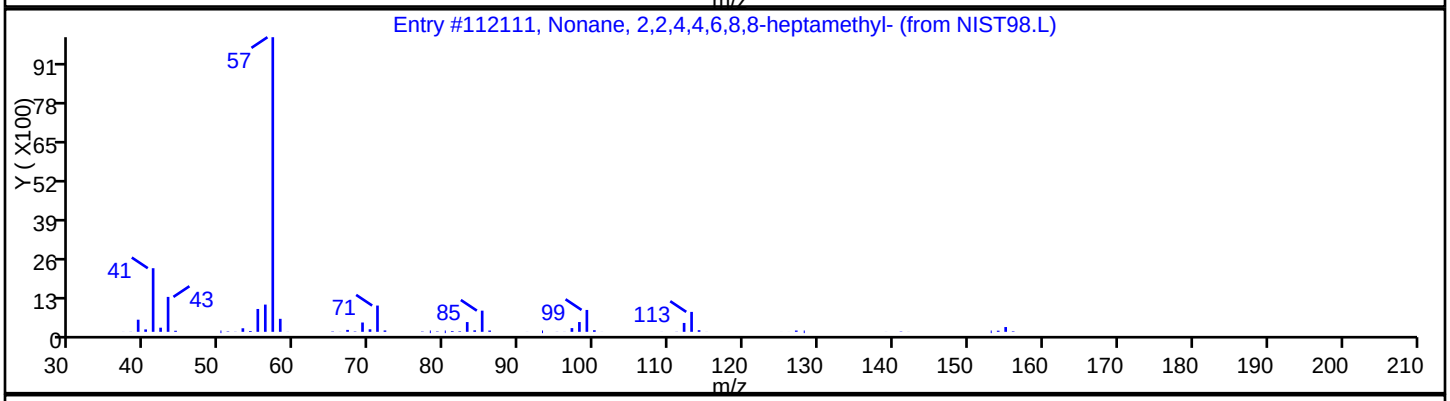
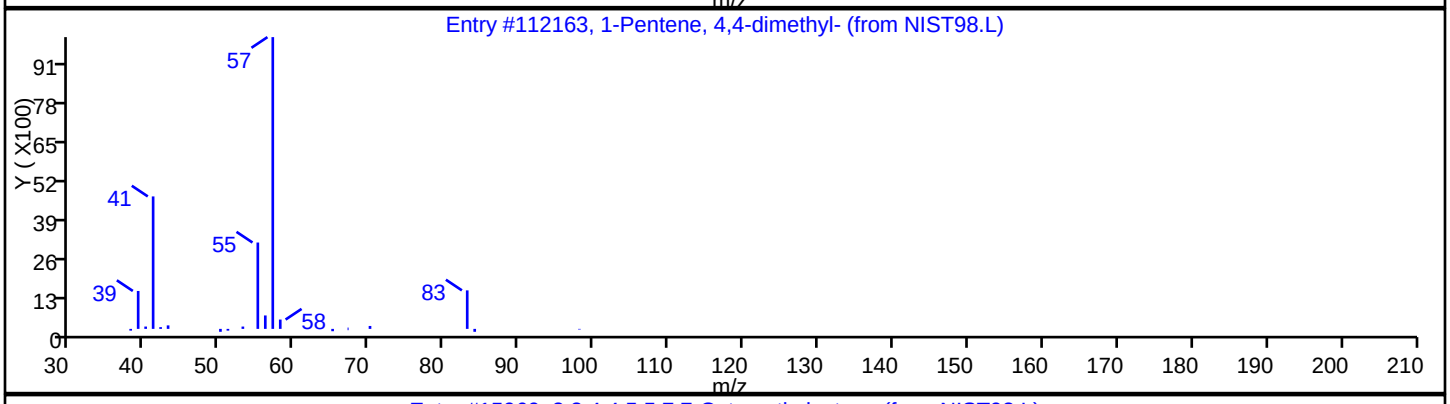
TestAmerica Buffalo

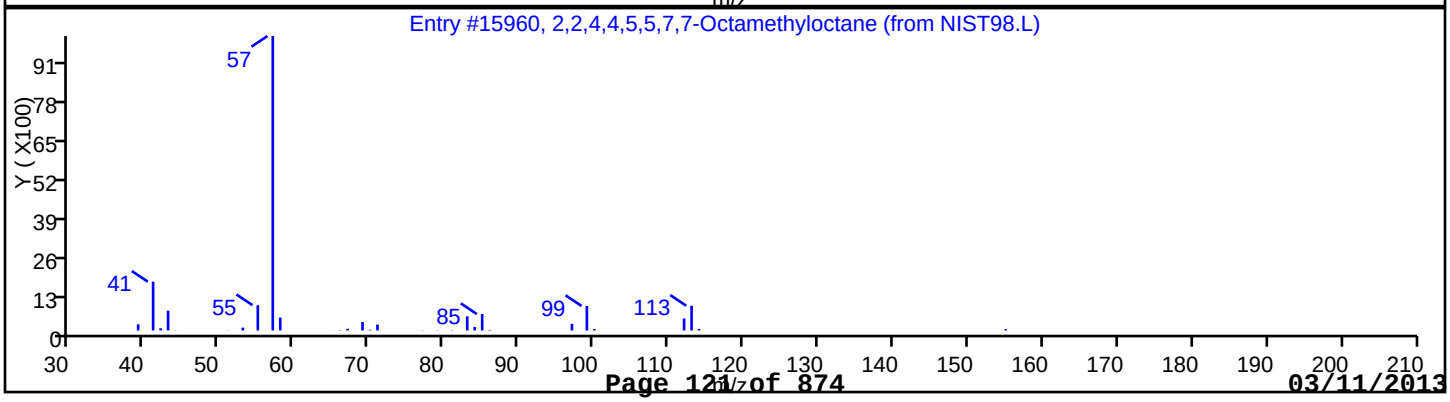
Data File:	\\Bufchrom\ChromData\HP5973F\20121219-17691.b\F4458.D		
Injection Date:	19-Dec-2012 16:38:30	Limit Group:	MV - 8260MCP_RCP
Client ID:	OC-SB-518-0.0/1.0-XXX	Instrument ID:	HP5973F
Lims Batch ID:	96559	Lims Sample ID:	8
Operator ID:	JMB	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Nonane, 2,2,4,4,6,8,8-heptamethyl-	4390-4-9	NIST98.L	112111	10
1-Pentene, 4,4-dimethyl-	762-62-9	NIST98.L	112163	9
2,2,4,4,5,5,7,7-Octamethyloctane	5171-85-7	NIST98.L	15960	9









FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30346-1

SDG No.:

Client Sample ID: OC-SB-518-8.0/10-XXX | Lab Sample ID: 480-30346-8

Matrix: Solid | Lab File ID: F4459.D

Analysis Method: 8260C | Date Collected: 12/14/2012 10:05

Sample wt/vol: 6.2(g) | Date Analyzed: 12/19/2012 17:03

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 21.0 | Level: (low/med) Low

Analysis Batch No.: 96559 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
107-39-1	2,4,4-Trimethyl-1-pentene	ND		5.1	0.44
107-40-4	2,4,4-Trimethyl-2-pentene	0.94	J	5.1	0.54

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	90		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	92		70-130
460-00-4	4-Bromofluorobenzene (Surr)	87		70-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Buffalo Job No.: 480-30346-1

SDG No.:

Client Sample ID: OC-SB-518-8.0/10-XXX Lab Sample ID: 480-30346-8

Matrix: Solid Lab File ID: F4459.D

Analysis Method: 8260C Date Collected: 12/14/2012 10:05

Sample wt/vol: 6.2(g) Date Analyzed: 12/19/2012 17:03

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 21.0 Level: (low/med) Low

Analysis Batch No.: 96559 Units: ug/Kg

Number TICs Found: 3 TIC Result Total: 135.4

CAS NO.	COMPOUND NAME	RT	RESULT	Q
119209-20-0	Decane, 5,6-dipropyl-	9.86	120	T J N
1000245-47-2	3-Trifluoroacetoxytridecane	10.56	9.6	T J N
1000139-90-4	1-Butoxy-2-ethylhexane	11.94	5.8	T J N

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973F\20121219-17691.b\F4459.D		
Lims ID:	480-30346-G-8-A	Client ID:	OC-SB-518-8.0/10-XXX
Inject. Date:	19-Dec-2012 17:03:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-30346-G-8-A		
Misc. Info.:	480-0017691-009 =480-0017691-009		
Operator:	JMB	Instrument ID:	HP5973F
Purge Vol:	5.000 mL	ALS Bottle#:	9
Lims Batch ID:	96559	Lims Sample ID:	9
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973F\20121219-17691.b\F-8260 SOIL.m		
Last Update:	20-Dec-2012 14:27:08	Calib Date:	17-Dec-2012 14:47:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973F\20121217-17620.b\F4396.D		
Limit Group:	MV - 8260MCP_RCP		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	ZB-624	Column Dia:	0.25 mm
Process Host:	XAWRK010		

First Level Reviewer: ByrnesJ Date: 20-Dec-2012 14:24:41

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.614	5.608	0.006	92	287454	50.0	
* 2 Chlorobenzene-d5	82	8.382	8.382	0.0	77	126897	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.700	10.700	0.0	91	139022	50.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.304	5.304	0.0	99	43380	45.8	
$ 5 Toluene-d8 (Surr)	98	6.934	6.934	0.0	81	330062	45.0	
$ 6 4-Bromofluorobenzene (Surr)	174	9.599	9.599	0.0	91	109298	43.3	
10 Dichlorodifluoromethane	85		2.007					
12 Chloromethane	50		2.159					
13 Vinyl chloride	62		2.274					
14 Bromomethane	94		2.560					
15 Chloroethane	64		2.633					
17 Trichlorofluoromethane	101		2.858					
18 Ethyl ether	59		3.035					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.236					
22 1,1-Dichloroethene	96		3.260					
23 Acetone	43	3.321	3.309	0.012	66	5361	7.72	
26 Carbon disulfide	76		3.473					
27 Methyl acetate	43		3.528					
30 Methylene Chloride	84		3.649					9
32 Methyl tert-butyl ether	73		3.801					
34 trans-1,2-Dichloroethene	96		3.838					
36 Isopropyl ether	45		4.130					
39 1,1-Dichloroethane	63		4.179					
41 Tert-butyl ethyl ether	59		4.416					
43 2-Butanone (MEK)	43		4.623					9
44 2,2-Dichloropropane	77		4.629					
45 cis-1,2-Dichloroethene	96		4.635					
48 Chlorobromomethane	128		4.842					
49 Tetrahydrofuran	42		4.860					9
50 Chloroform	83		4.878					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
51 1,1,1-Trichloroethane	97		5.024					
52 Cyclohexane	56		5.055					
54 1,1-Dichloropropene	75		5.146					
55 Carbon tetrachloride	117		5.152					
57 Benzene	78		5.335					
56 Tert-amyl methyl ether	73		5.347					
58 1,2-Dichloroethane	62		5.365					
136 2,4,4-Trimethyl-1-pentene	55		5.742					1
62 Trichloroethene	95		5.858					
135 2,4,4-Trimethyl-2-pentene	97	5.918	5.918	0.0	0	3117	0.9226	
64 Methylcyclohexane	83		5.992					
65 1,2-Dichloropropane	63		6.077					
66 1,4-Dioxane	88		6.186					
67 Dibromomethane	93		6.211					
68 Dichlorobromomethane	83		6.320					
72 cis-1,3-Dichloropropene	75		6.703					
73 4-Methyl-2-pentanone (MIBK)	43		6.801					9
74 Toluene	92		6.995					9
77 trans-1,3-Dichloropropene	75		7.220					
79 1,1,2-Trichloroethane	83		7.415					
81 Tetrachloroethene	166		7.525					
82 1,3-Dichloropropane	76		7.585					
80 2-Hexanone	43		7.592					
83 Chlorodibromomethane	129		7.829					
84 Ethylene Dibromide	107		7.963					
87 Chlorobenzene	112		8.413					
88 Ethylbenzene	91		8.474					
89 1,1,1,2-Tetrachloroethane	131		8.492					
90 m-Xylene & p-Xylene	106	8.595	8.589	0.006	42	1967	0.5012	
91 o-Xylene	106		9.021					
92 Styrene	104		9.045					
95 Bromoform	173		9.319					
94 Isopropylbenzene	105		9.386					9
97 1,1,2,2-Tetrachloroethane	83		9.757					9
101 Bromobenzene	156		9.769					
100 1,2,3-Trichloropropane	110		9.812					9
103 2-Chlorotoluene	126		9.928					
102 1,3,5-Trimethylbenzene	105		9.964					9
99 N-Propylbenzene	91		10.031					
105 4-Chlorotoluene	126		10.031					
106 tert-Butylbenzene	134		10.280					
107 1,2,4-Trimethylbenzene	105	10.335	10.329	0.006	1	4462	0.5568	
109 sec-Butylbenzene	105		10.481					9
110 4-Isopropyltoluene	119		10.603					9
111 1,3-Dichlorobenzene	146		10.645					9
113 1,4-Dichlorobenzene	146		10.725					9
115 n-Butylbenzene	91		10.974					9
116 1,2-Dichlorobenzene	146		11.065					9
117 1,2-Dibromo-3-Chloropropane	75		11.741					
119 1,2,4-Trichlorobenzene	180		12.385					
120 Hexachlorobutadiene	225		12.483					
121 Naphthalene	128		12.623					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
122 1,2,3-Trichlorobenzene	180		12.842					

QC Flag Legend

Processing Flags
1 - Missing Peaks
9 - Failed A Reference Spectral Test

TestAmerica Buffalo
Tentatively Identified Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973F\20121219-17691.b\F4459.D		
Lims ID:	480-30346-G-8-A	Client ID:	OC-SB-518-8.0/10-XXX
Inject. Date:	19-Dec-2012 17:03:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-30346-G-8-A		
Misc. Info.:	480-0017691-009 =480-0017691-009		
Operator:	JMB	Instrument ID:	HP5973F
Purge Vol:	5.000 mL	ALS Bottle#:	9
Lims Batch ID:	96559	Lims Sample ID:	9
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973F\20121219-17691.b\F-8260 SOIL.m		
Last Update:	20-Dec-2012 14:27:08	Calib Date:	17-Dec-2012 14:47:30
Tic RT Window:	1.500 -0.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\Bufchrom\ChromData\Database\NIST98.L		
Min. Match:	0		
Process Host:	XAWRK010		
First Level Reviewer: ByrnesJ		Date:	20-Dec-2012 14:24:41

Tentative Identified Compound Results

RT	Response	Amount ug/kg	Quant Cpnd	Qual	Lib Entry	Flags
119209-20-0 Decane, 5,6-dipropyl-						
9.861	1819207	116.1	3	64	17110	
1000245-47-2 3-Trifluoroacetoxytridecane						
10.560	148026	9.44	3	12	1709	
1000139-90-4 1-Butoxy-2-ethylhexane						
11.941	89552	5.71	3	86	15722	

Quantitation Compounds

Compound	RT	Response	Amount ug/kg
* 3 1,4-Dichlorobenzene-d4	10.700	783752	50.0

QC Flag Legend

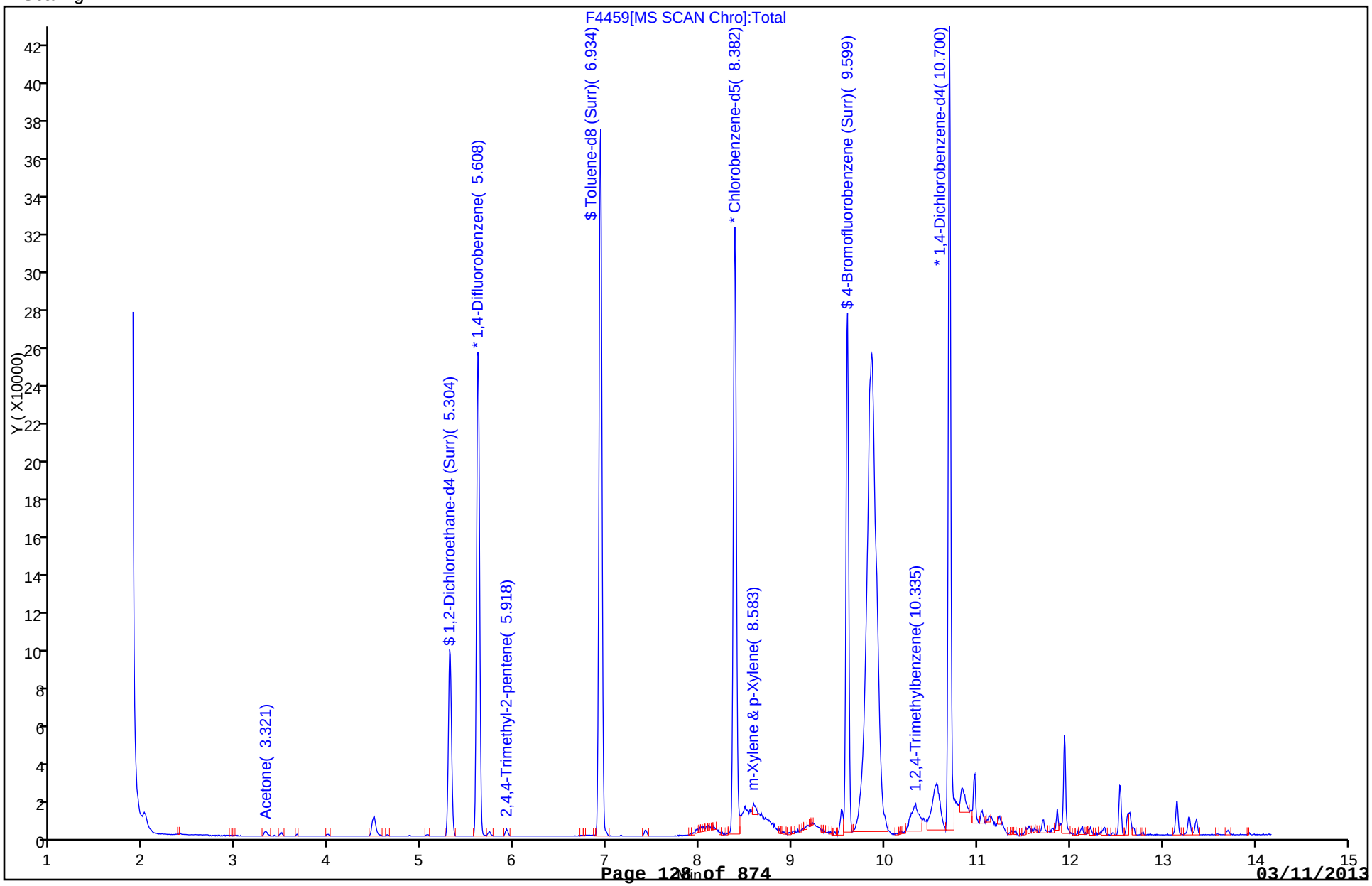
Processing Flags

Report Date: 20-Dec-2012 14:27:13 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973F\20121219-17691.b\F4459.D		
Injection Date:	19-Dec-2012 17:03:30	Limit Group:	MV - 8260MCP_RCP
Client ID:	OC-SB-518-8.0/10-XXX	Instrument ID:	HP5973F
Lims Batch ID:	96559	Lims Sample ID:	9
Operator ID:	JMB	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:



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TestAmerica Buffalo

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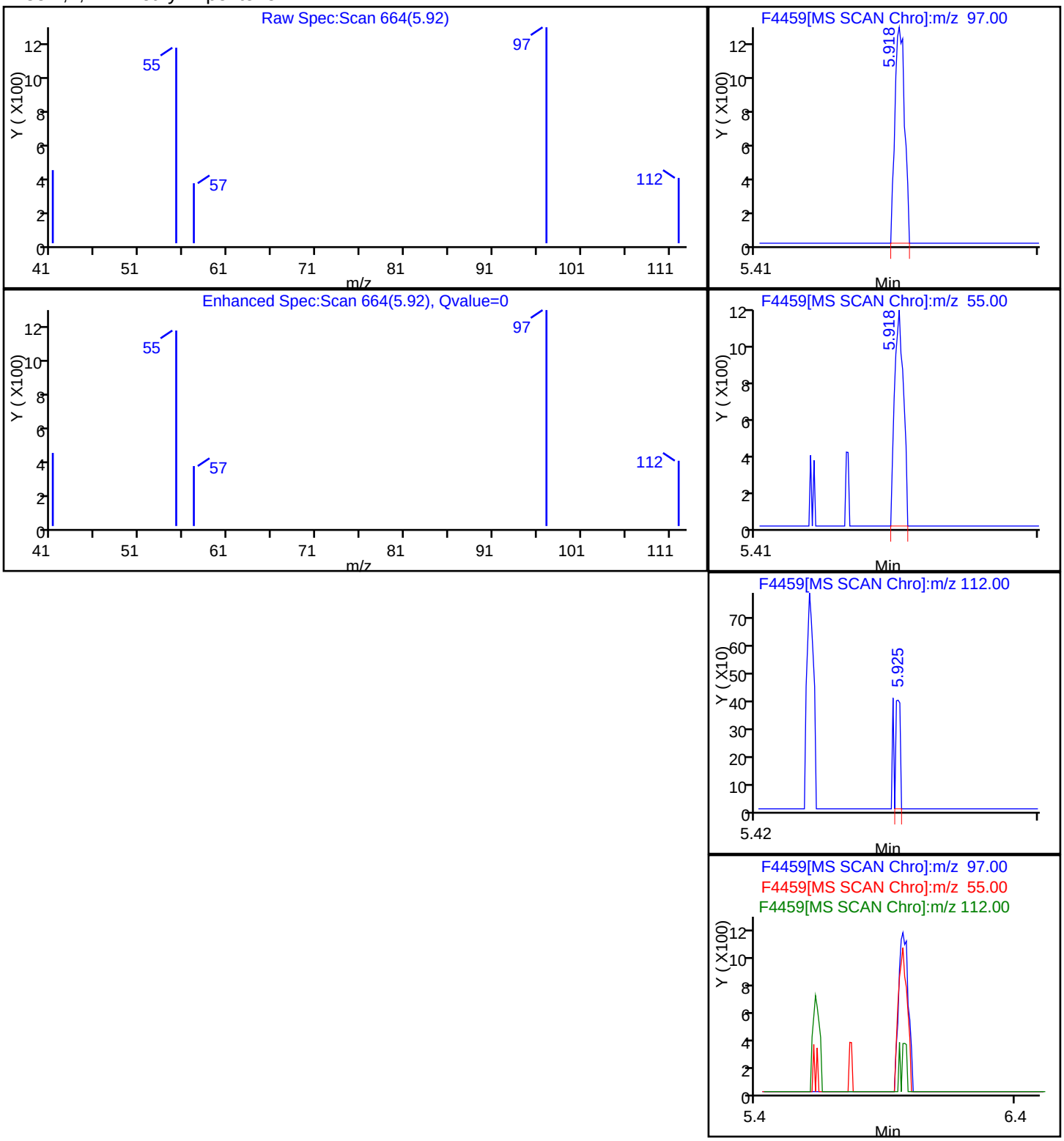
Injection Date:	19-Dec-2012 17:03:30	Limit Group:	MV - 8260MCP_RCP
Client ID:	OC-SB-518-8.0/10-XXX	Instrument ID:	HP5973F
Lims Batch ID:	96559	Lims Sample ID:	9
Operator ID:	JMB	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

135 2,4,4-Trimethyl-2-pentene

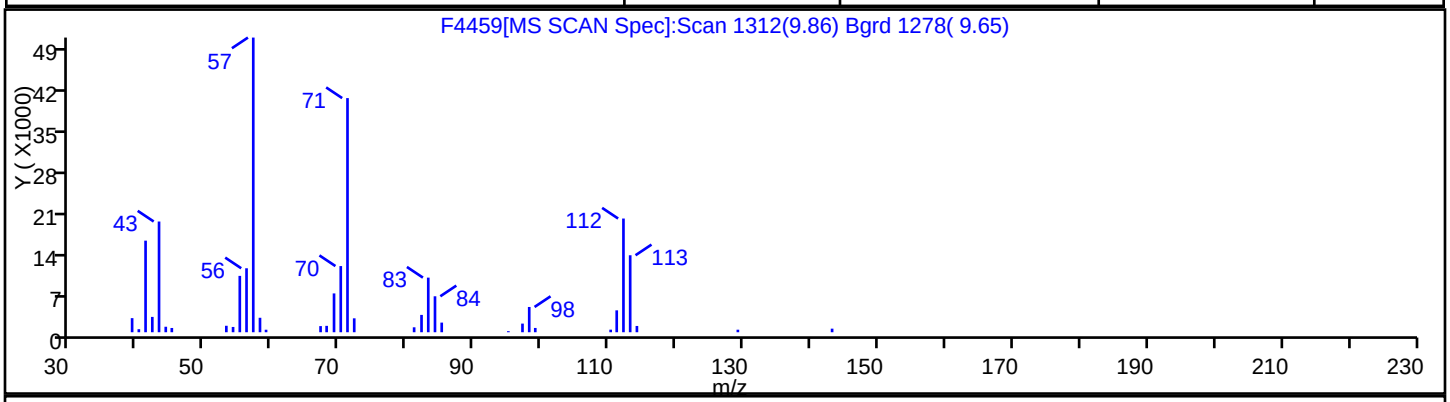


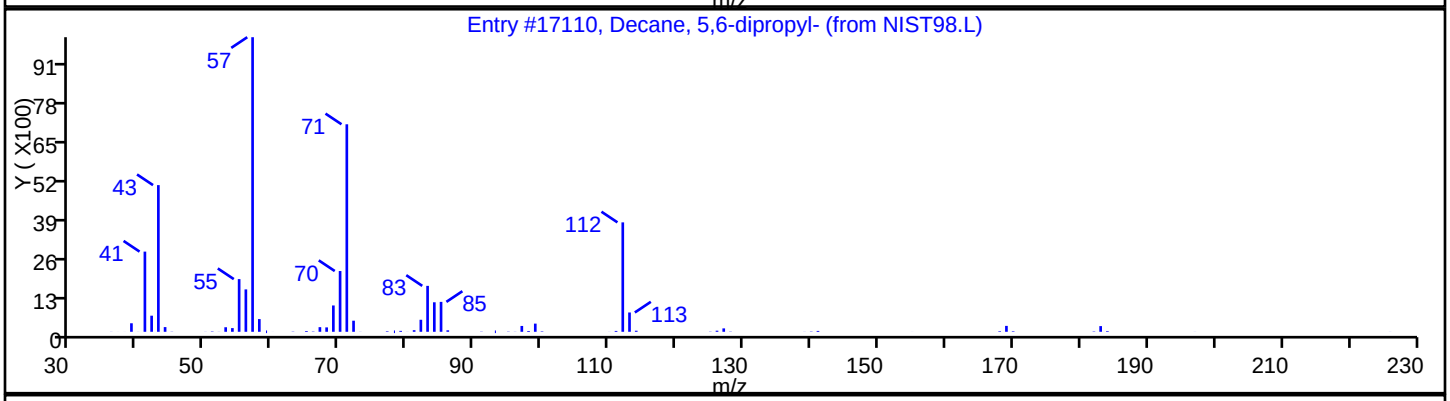
Report Date: 20-Dec-2012 14:27:13 Chrom Revision: 2.0 22-Oct-2012 16:30:48

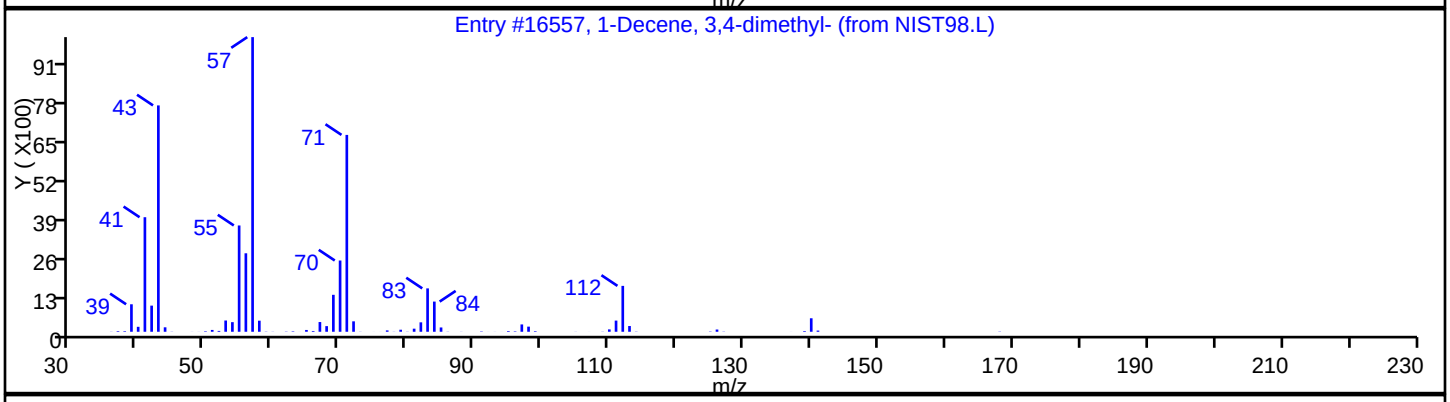
TestAmerica Buffalo

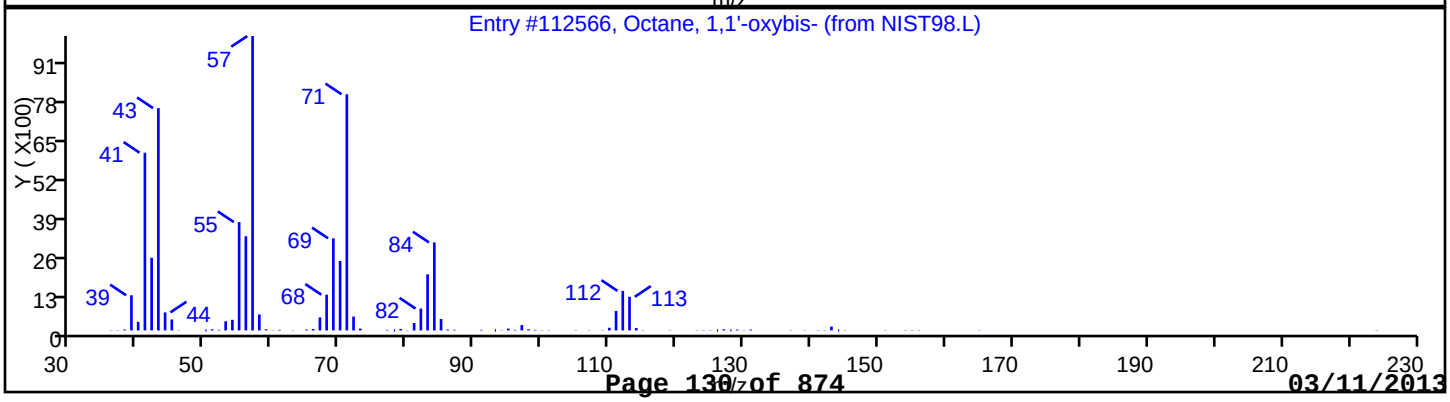
Data File:	\\Bufchrom\ChromData\HP5973F\20121219-17691.b\F4459.D		
Injection Date:	19-Dec-2012 17:03:30	Limit Group:	MV - 8260MCP_RCP
Client ID:	OC-SB-518-8.0/10-XXX	Instrument ID:	HP5973F
Lims Batch ID:	96559	Lims Sample ID:	9
Operator ID:	JMB	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Decane, 5,6-dipropyl-	119209-20-0	NIST98.L	17110	64
1-Decene, 3,4-dimethyl-	50871-3-9	NIST98.L	16557	59
Octane, 1,1'-oxybis-	629-82-3	NIST98.L	112566	53







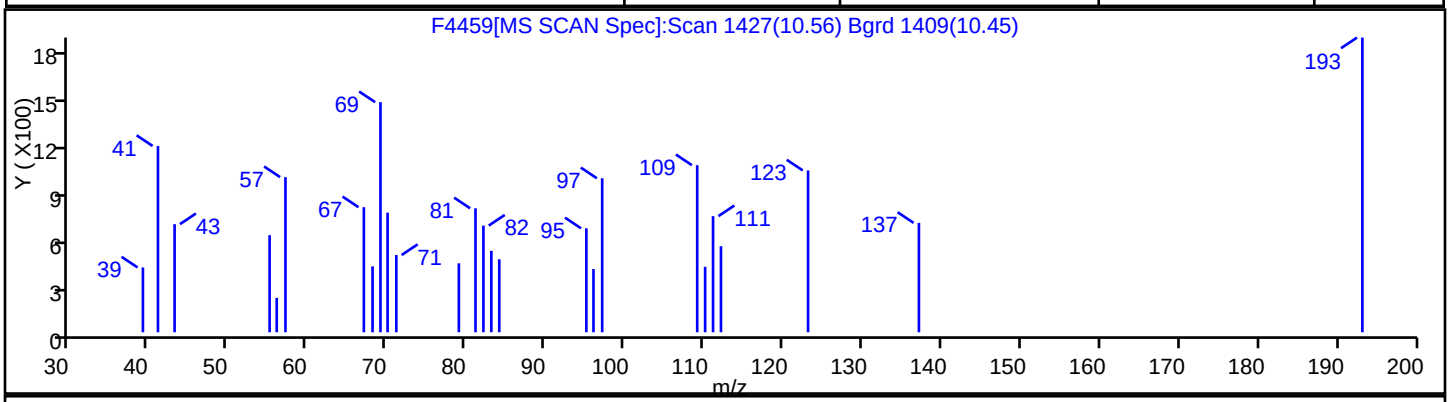


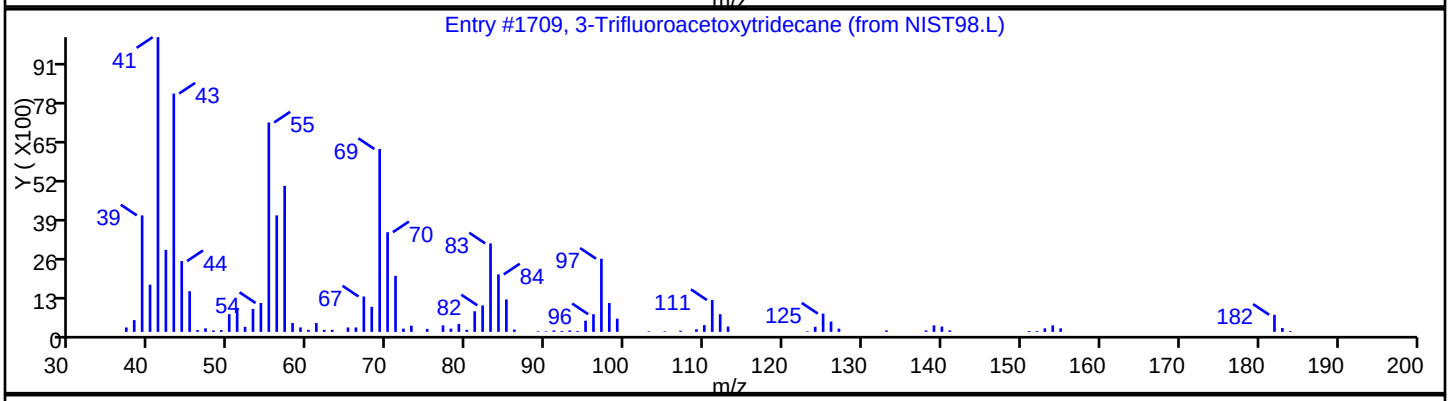
Report Date: 20-Dec-2012 14:27:13 Chrom Revision: 2.0 22-Oct-2012 16:30:48

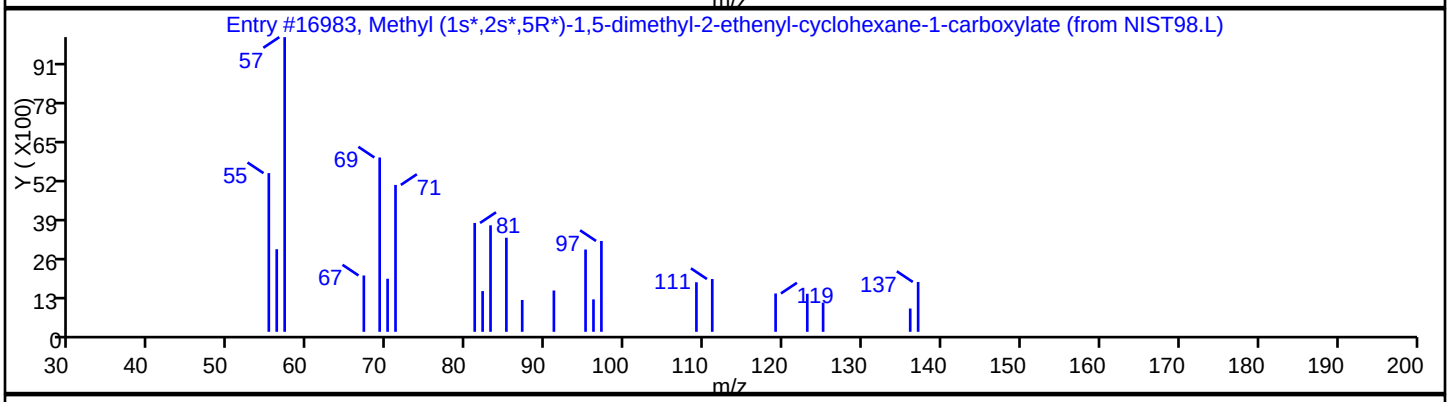
TestAmerica Buffalo

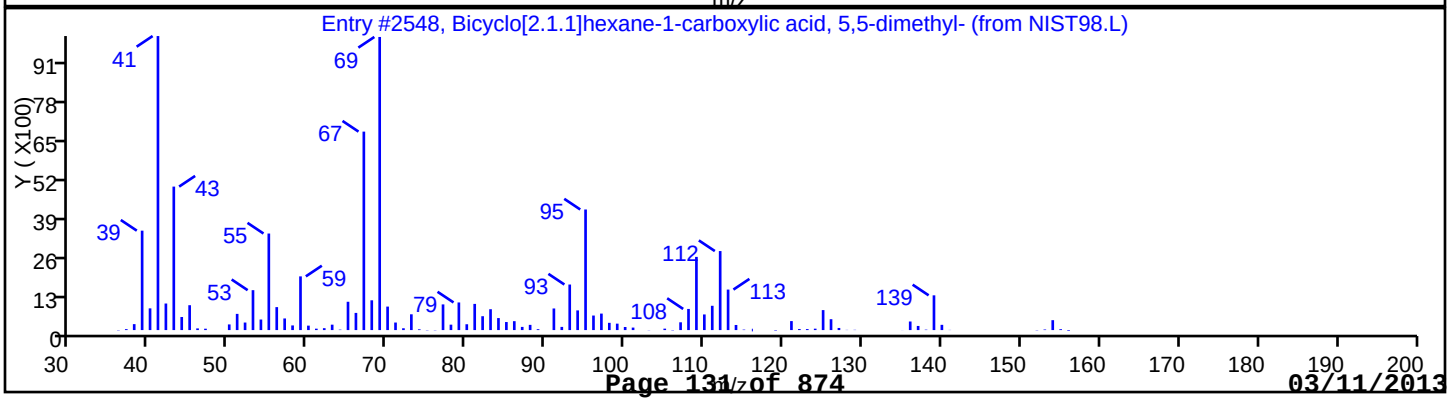
Data File:	\\Bufchrom\ChromData\HP5973F\20121219-17691.b\F4459.D		
Injection Date:	19-Dec-2012 17:03:30	Limit Group:	MV - 8260MCP_RCP
Client ID:	OC-SB-518-8.0/10-XXX	Instrument ID:	HP5973F
Lims Batch ID:	96559	Lims Sample ID:	9
Operator ID:	JMB	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
3-Trifluoroacetoxytridecane	1000245-47-2	NIST98.L	1709	12
Methyl (1s*,2s*,5R*)-1,5-dimethyl-2-ethe	1000143-89-6	NIST98.L	16983	12
Bicyclo[2.1.1]hexane-1-carboxylic acid,	3753-38-6	NIST98.L	2548	10







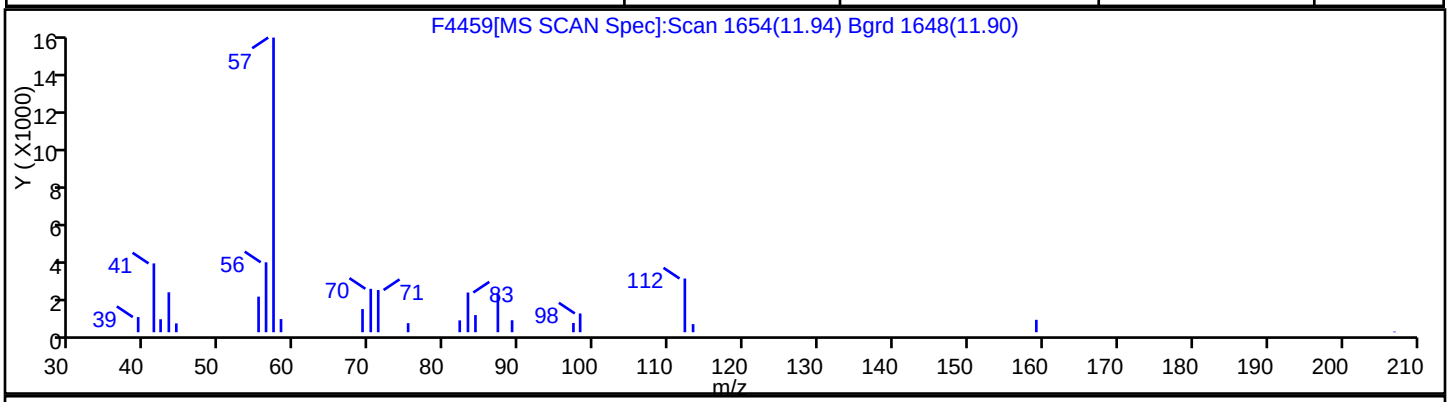


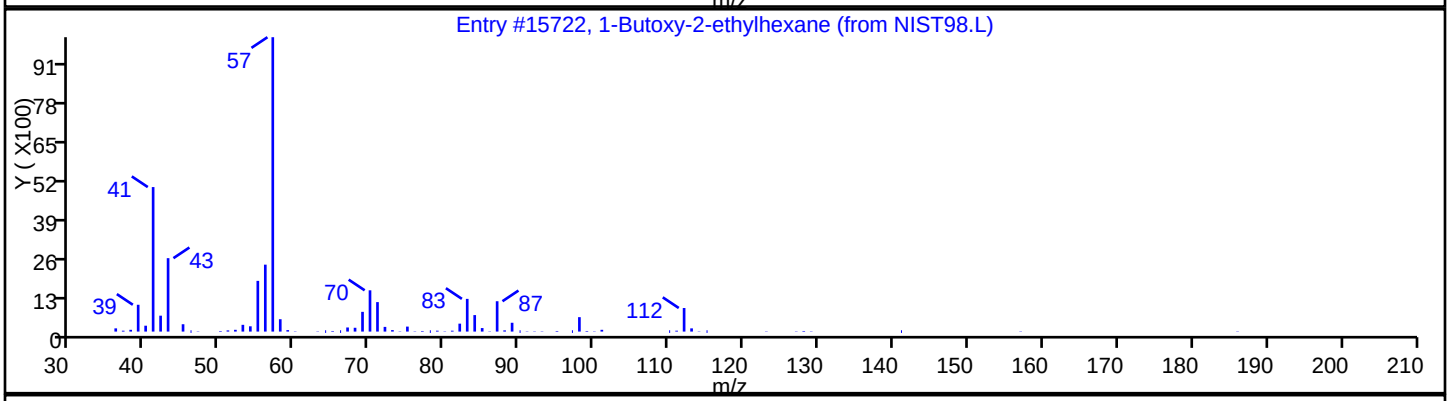
Report Date: 20-Dec-2012 14:27:13 Chrom Revision: 2.0 22-Oct-2012 16:30:48

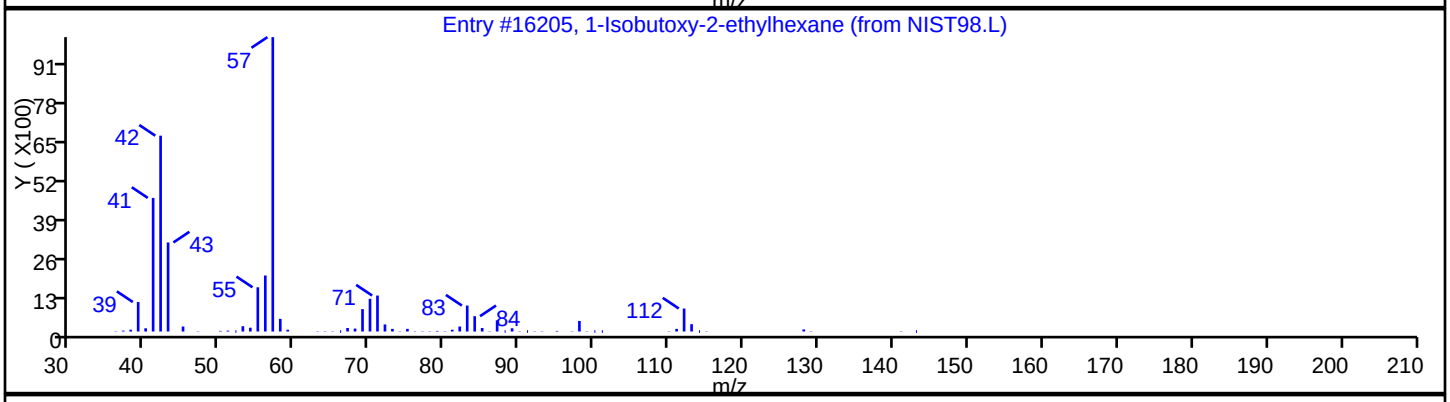
TestAmerica Buffalo

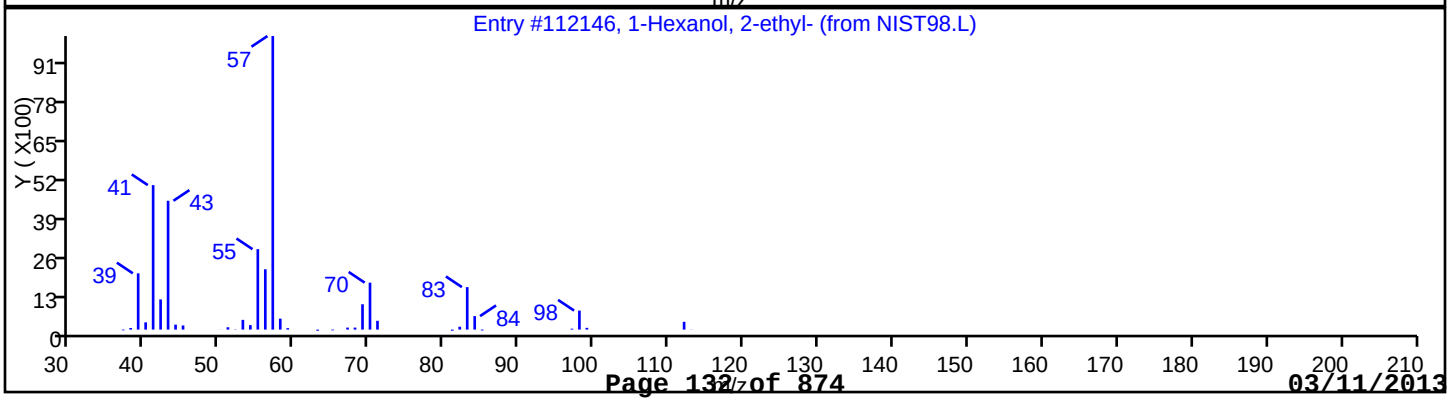
Data File:	\\Bufchrom\ChromData\HP5973F\20121219-17691.b\F4459.D		
Injection Date:	19-Dec-2012 17:03:30	Limit Group:	MV - 8260MCP_RCP
Client ID:	OC-SB-518-8.0/10-XXX	Instrument ID:	HP5973F
Lims Batch ID:	96559	Lims Sample ID:	9
Operator ID:	JMB	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
1-Butoxy-2-ethylhexane	1000139-90-4	NIST98.L	15722	86
1-Isobutoxy-2-ethylhexane	1000139-90-3	NIST98.L	16205	50
1-Hexanol, 2-ethyl-	104-76-7	NIST98.L	112146	43









FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo
Job No.: 480-30346-1
SDG No.:
Client Sample ID: OC-SB-518-13/15-XXX
Lab Sample ID: 480-30346-9
Matrix: Solid
Lab File ID: F4460.D
Analysis Method: 8260C
Date Collected: 12/14/2012 10:15
Sample wt/vol: 6.46(g)
Date Analyzed: 12/19/2012 17:29
Soil Aliquot Vol:
Dilution Factor: 1
Soil Extract Vol.:
GC Column: ZB-624 (60) ID: 0.25(mm)
% Moisture: 19.5
Level: (low/med) Low
Analysis Batch No.: 96559
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
107-39-1	2,4,4-Trimethyl-1-pentene	1.8	J	4.8	0.41
107-40-4	2,4,4-Trimethyl-2-pentene	1.3	J	4.8	0.51

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	89		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	89		70-130
460-00-4	4-Bromofluorobenzene (Surr)	86		70-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Buffalo Job No.: 480-30346-1

SDG No.:

Client Sample ID: OC-SB-518-13/15-XXX Lab Sample ID: 480-30346-9

Matrix: Solid Lab File ID: F4460.D

Analysis Method: 8260C Date Collected: 12/14/2012 10:15

Sample wt/vol: 6.46(g) Date Analyzed: 12/19/2012 17:29

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 19.5 Level: (low/med) Low

Analysis Batch No.: 96559 Units: ug/Kg

Number TICs Found: 9 TIC Result Total: 220.8

CAS NO.	COMPOUND NAME	RT	RESULT	Q
15869-86-0	Octane, 4-ethyl-	9.87	20	T J N
56666-38-7	2H-Pyran, tetrahydro-2-(12-pentadecynylo	11.71	5.9	T J N
1000139-90-4	1-Butoxy-2-ethylhexane	11.94	41	T J N
1000144-66-2	3,4-Dimethylpentyl 3s-ethyl-4s-methyl-pe	12.22	6.0	T J N
1000227-8-7	2-n-Decyloxy-5-nitropyridine	12.54	27	T J N
1000126-58-5	5-Fluoronicotinic acid	12.65	6.9	T J N
123-48-8	3-Heptene, 2,2,4,6,6-pentamethyl-	13.15	51	T J N
4390-4-9	Nonane, 2,2,4,4,6,8,8-heptamethyl-	13.29	35	T J N
762-62-9	1-Pentene, 4,4-dimethyl-	13.37	28	T J N

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973F\20121219-17691.b\F4460.D		
Lims ID:	480-30346-F-9-A	Client ID:	OC-SB-518-13/15-XXX
Inject. Date:	19-Dec-2012 17:29:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-30346-F-9-A		
Misc. Info.:	480-0017691-010 =480-0017691-010		
Operator:	JMB	Instrument ID:	HP5973F
Purge Vol:	5.000 mL	ALS Bottle#:	10
Lims Batch ID:	96559	Lims Sample ID:	10
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973F\20121219-17691.b\F-8260 SOIL.m		
Last Update:	20-Dec-2012 14:27:08	Calib Date:	17-Dec-2012 14:47:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973F\20121217-17620.b\F4396.D		
Limit Group:	MV - 8260MCP_RCP		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	ZB-624	Column Dia:	0.25 mm
Process Host:	XAWRK010		

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.608	5.608	0.0	92	278443	50.0	
* 2 Chlorobenzene-d5	82	8.382	8.382	0.0	78	121828	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.700	10.700	0.0	91	132212	50.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.304	5.304	0.0	99	41018	44.7	
$ 5 Toluene-d8 (Surr)	98	6.934	6.934	0.0	91	313958	44.6	
$ 6 4-Bromofluorobenzene (Surr)	174	9.599	9.599	0.0	92	104228	43.0	
10 Dichlorodifluoromethane	85		2.007					
12 Chloromethane	50		2.159					
13 Vinyl chloride	62		2.274					
14 Bromomethane	94		2.560					
15 Chloroethane	64		2.633					
17 Trichlorofluoromethane	101		2.858					
18 Ethyl ether	59		3.035					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.236					
22 1,1-Dichloroethene	96		3.260					
23 Acetone	43	3.315	3.309	0.006	85	21288	31.6	
26 Carbon disulfide	76	3.485	3.473	0.012	79	13482	3.63	
27 Methyl acetate	43		3.528					
30 Methylene Chloride	84		3.649					
32 Methyl tert-butyl ether	73		3.801					
34 trans-1,2-Dichloroethene	96		3.838					
36 Isopropyl ether	45		4.130					
39 1,1-Dichloroethane	63		4.179					
41 Tert-butyl ethyl ether	59		4.416					
43 2-Butanone (MEK)	43	4.629	4.623	0.006	64	6549	6.03	
44 2,2-Dichloropropane	77		4.629					
45 cis-1,2-Dichloroethene	96		4.635					
48 Chlorobromomethane	128		4.842					
49 Tetrahydrofuran	42		4.860					9
50 Chloroform	83		4.878					
51 1,1,1-Trichloroethane	97		5.024					
52 Cyclohexane	56		5.055					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
54 1,1-Dichloropropene	75		5.146					
55 Carbon tetrachloride	117		5.152					
57 Benzene	78		5.335					9
56 Tert-amyl methyl ether	73		5.347					
58 1,2-Dichloroethane	62		5.365					
136 2,4,4-Trimethyl-1-pentene	55	5.730	5.742	-0.012	0	3848	1.86	
62 Trichloroethene	95		5.858					
135 2,4,4-Trimethyl-2-pentene	97	5.918	5.918	0.0	0	5089	1.38	
64 Methylcyclohexane	83		5.992					
65 1,2-Dichloropropane	63		6.077					
66 1,4-Dioxane	88		6.186					
67 Dibromomethane	93		6.211					
68 Dichlorobromomethane	83		6.320					
72 cis-1,3-Dichloropropene	75		6.703					
73 4-Methyl-2-pentanone (MIBK)	43		6.801					9
74 Toluene	92		6.995					9
77 trans-1,3-Dichloropropene	75		7.220					
79 1,1,2-Trichloroethane	83		7.415					
81 Tetrachloroethene	166		7.525					
82 1,3-Dichloropropane	76		7.585					
80 2-Hexanone	43		7.592					9
83 Chlorodibromomethane	129		7.829					
84 Ethylene Dibromide	107		7.963					
87 Chlorobenzene	112		8.413					
88 Ethylbenzene	91	8.473	8.474	-0.001	1	5074	0.5709	
89 1,1,1,2-Tetrachloroethane	131		8.492					
90 m-Xylene & p-Xylene	106		8.589					9
91 o-Xylene	106		9.021					
92 Styrene	104		9.045					
95 Bromoform	173		9.319					
94 Isopropylbenzene	105		9.386					
97 1,1,2,2-Tetrachloroethane	83		9.757					9
101 Bromobenzene	156		9.769					
100 1,2,3-Trichloropropane	110		9.812					
103 2-Chlorotoluene	126		9.928					
102 1,3,5-Trimethylbenzene	105		9.964					9
99 N-Propylbenzene	91		10.031					
105 4-Chlorotoluene	126		10.031					
106 tert-Butylbenzene	134		10.280					
107 1,2,4-Trimethylbenzene	105	10.329	10.329	0.0	1	3322	0.4359	
109 sec-Butylbenzene	105		10.481					9
110 4-Isopropyltoluene	119		10.603					9
111 1,3-Dichlorobenzene	146		10.645					9
113 1,4-Dichlorobenzene	146		10.725					9
115 n-Butylbenzene	91		10.974					9
116 1,2-Dichlorobenzene	146		11.065					9
117 1,2-Dibromo-3-Chloropropane	75		11.741					
119 1,2,4-Trichlorobenzene	180		12.385					
120 Hexachlorobutadiene	225		12.483					
121 Naphthalene	128		12.623					9
122 1,2,3-Trichlorobenzene	180		12.842					

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

TestAmerica Buffalo
Tentatively Identified Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973F\20121219-17691.b\F4460.D		
Lims ID:	480-30346-F-9-A	Client ID:	OC-SB-518-13/15-XXX
Inject. Date:	19-Dec-2012 17:29:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-30346-F-9-A		
Misc. Info.:	480-0017691-010 =480-0017691-010		
Operator:	JMB	Instrument ID:	HP5973F
Purge Vol:	5.000 mL	ALS Bottle#:	10
Lims Batch ID:	96559	Lims Sample ID:	10
Detector:	MS SCAN		

Method:	\\Bufchrom\ChromData\HP5973F\20121219-17691.b\F-8260 SOIL.m		
Last Update:	20-Dec-2012 14:27:08	Calib Date:	17-Dec-2012 14:47:30
Tic RT Window:	1.500 -0.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\Bufchrom\ChromData\Database\NIST98.L		
Min. Match:	0		
Process Host:	XAWRK010		

Tentative Identified Compound Results

RT	Response	Amount ug/kg	Quant Cpnd	Qual	Lib Entry	Flags
15869-86-0 Octane, 4-ethyl-						
9.873	291704	20.6	3	72	16302	
56666-38-7 2H-Pyran, tetrahydro-2-(12-pentadecynylo						
11.710	86499	6.10	3	72	34259	
1000139-90-4 1-Butoxy-2-ethylhexane						
11.941	597886	42.2	3	90	15722	
1000144-66-2 3,4-Dimethylpentyl 3s-ethyl-4s-methyl-pe						
12.215	89121	6.29	3	47	33754	
1000227-8-7 2-n-Decyloxy-5-nitropyridine						
12.543	403882	28.5	3	50	63957	
1000126-58-5 5-Fluoronicotinic acid						
12.647	101765	7.18	3	43	63877	
123-48-8 3-Heptene, 2,2,4,6,6-pentamethyl-						
13.152	757976	53.5	3	58	17462	
4390-4-9 Nonane, 2,2,4,4,6,8,8-heptamethyl-						
13.286	521872	36.8	3	45	112003	
762-62-9 1-Pentene, 4,4-dimethyl-						
13.365	409411	28.9	3	22	112163	

Quantitation Compounds

Compound	RT	Response	Amount ug/kg
* 3 1,4-Dichlorobenzene-d4	10.700	708812	50.0

QC Flag Legend

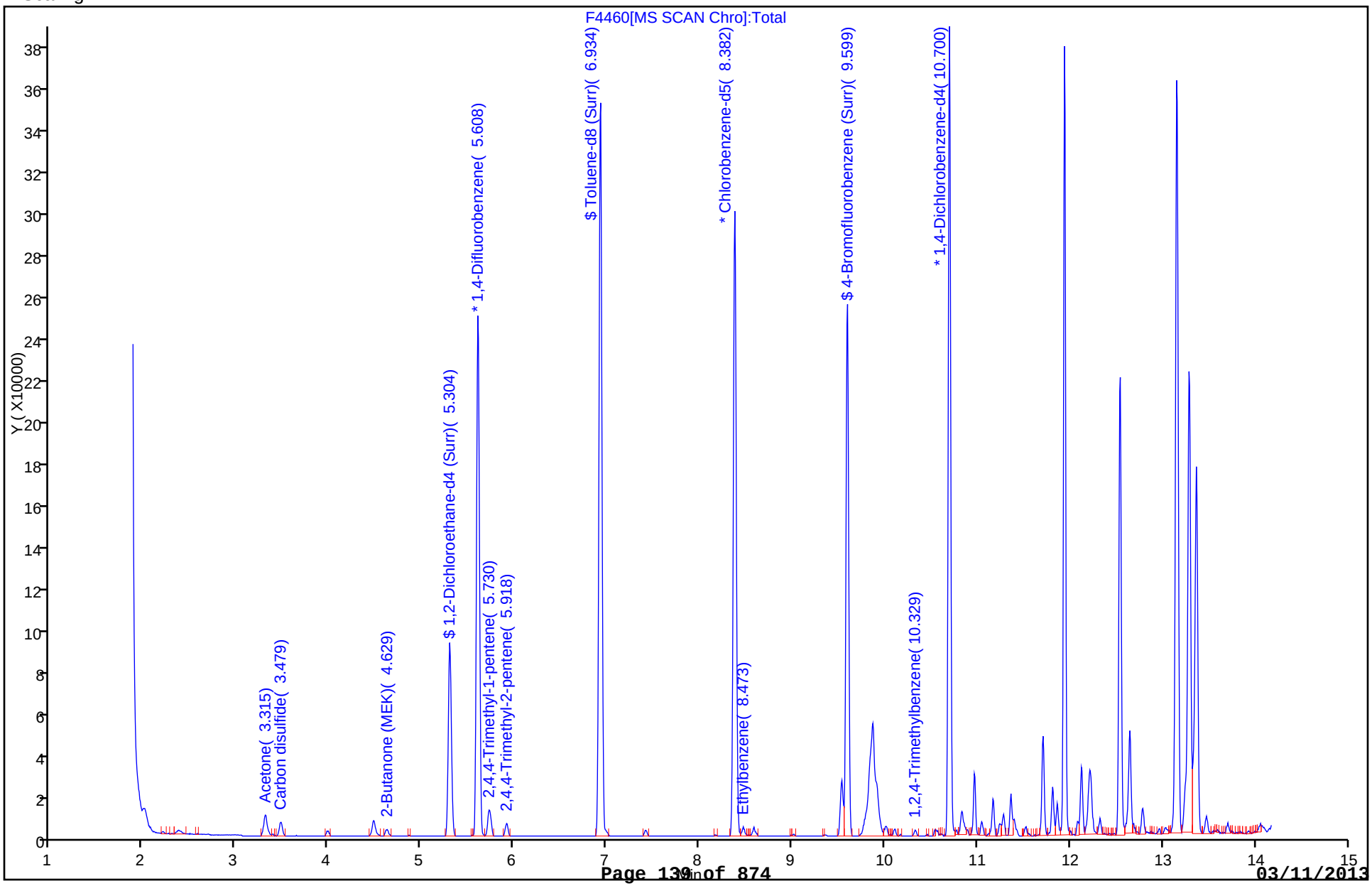
Processing Flags

Report Date: 20-Dec-2012 14:27:11 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973F\20121219-17691.b\F4460.D		
Injection Date:	19-Dec-2012 17:29:30	Limit Group:	MV - 8260MCP_RCP
Client ID:	OC-SB-518-13/15-XXX	Instrument ID:	HP5973F
Lims Batch ID:	96559	Lims Sample ID:	10
Operator ID:	JMB	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:

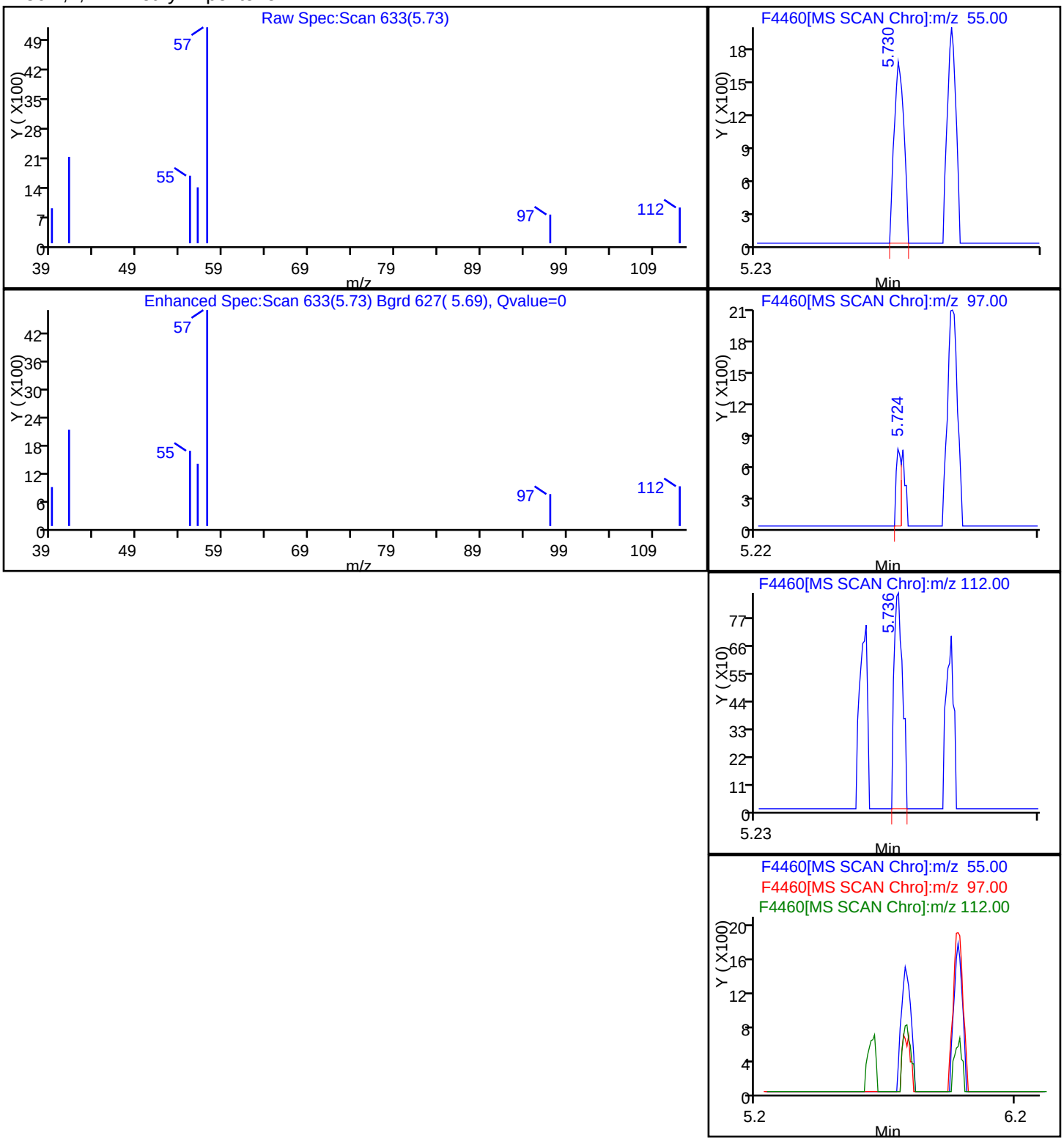


Report Date: 20-Dec-2012 14:27:11 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973F\20121219-17691.b\F4460.D		
Injection Date:	19-Dec-2012 17:29:30	Limit Group:	MV - 8260MCP_RCP
Client ID:	OC-SB-518-13/15-XXX	Instrument ID:	HP5973F
Lims Batch ID:	96559	Lims Sample ID:	10
Operator ID:	JMB	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

136 2,4,4-Trimethyl-1-pentene

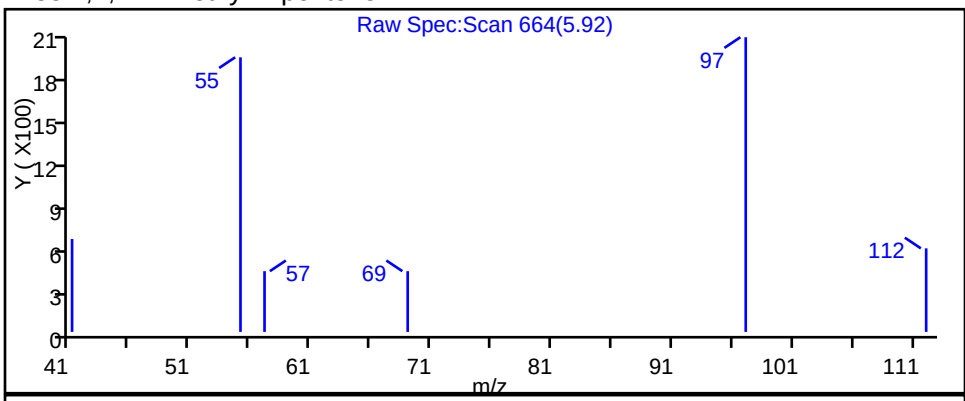


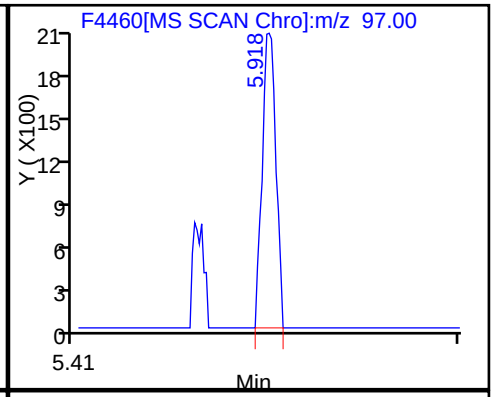
Report Date: 20-Dec-2012 14:27:11 Chrom Revision: 2.0 22-Oct-2012 16:30:48

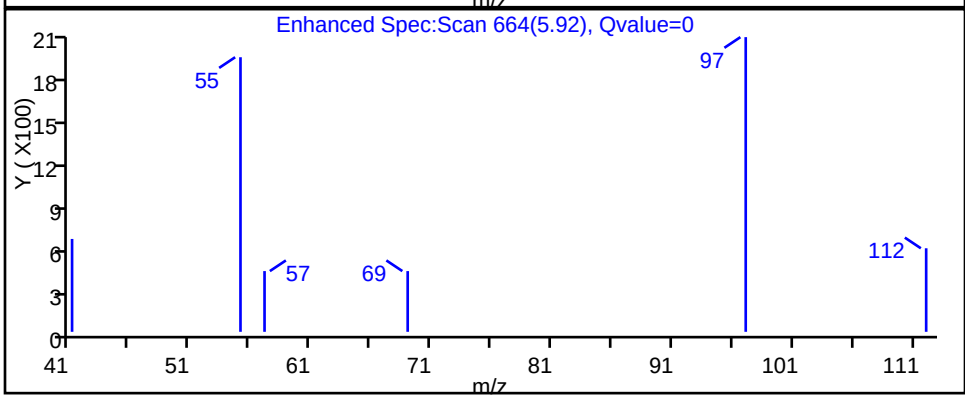
TestAmerica Buffalo

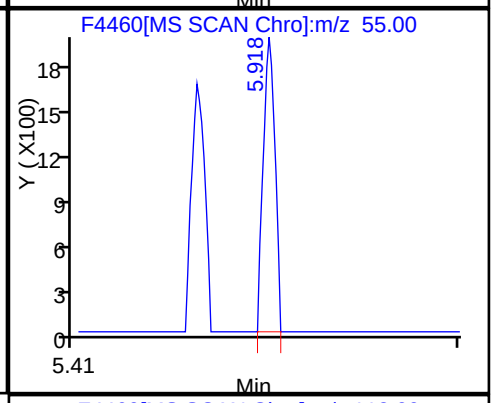
Data File:	\\Bufchrom\ChromData\HP5973F\20121219-17691.b\F4460.D		
Injection Date:	19-Dec-2012 17:29:30	Limit Group:	MV - 8260MCP_RCP
Client ID:	OC-SB-518-13/15-XXX	Instrument ID:	HP5973F
Lims Batch ID:	96559	Lims Sample ID:	10
Operator ID:	JMB	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

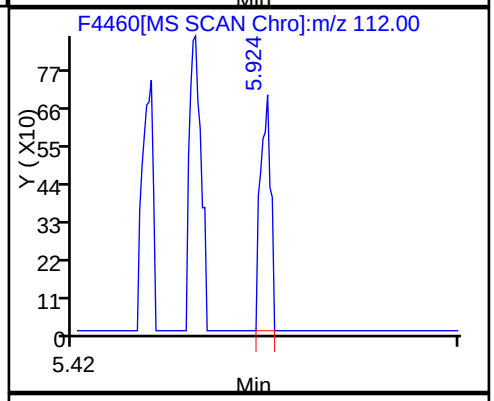
135 2,4,4-Trimethyl-2-pentene

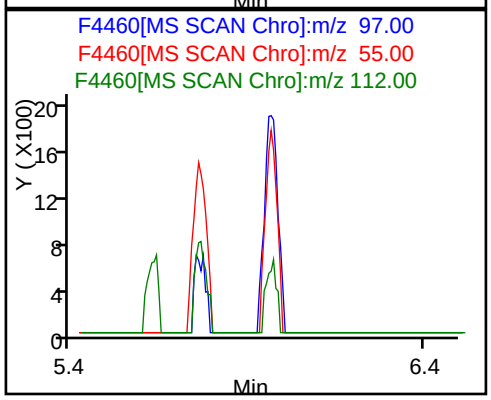










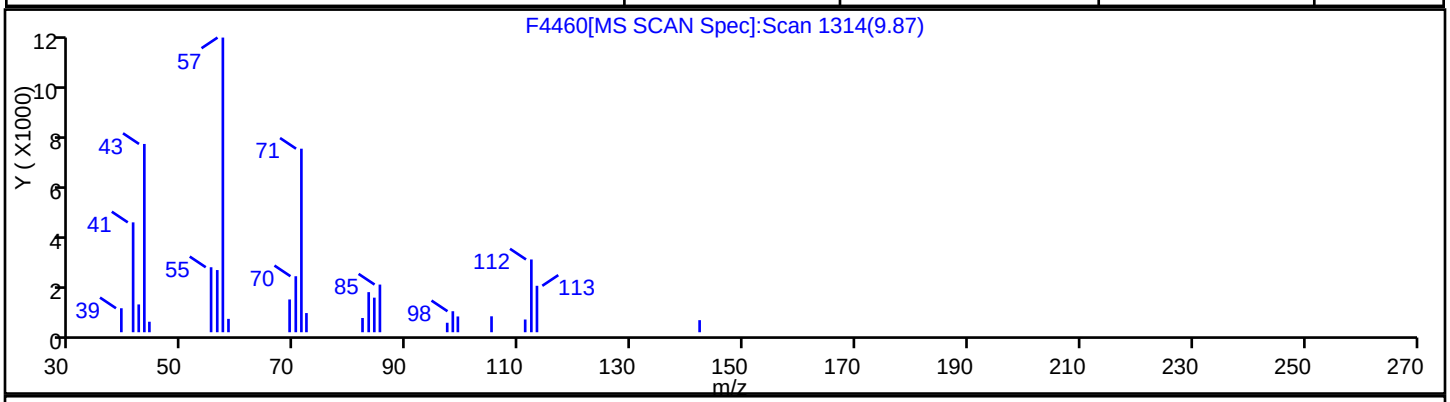


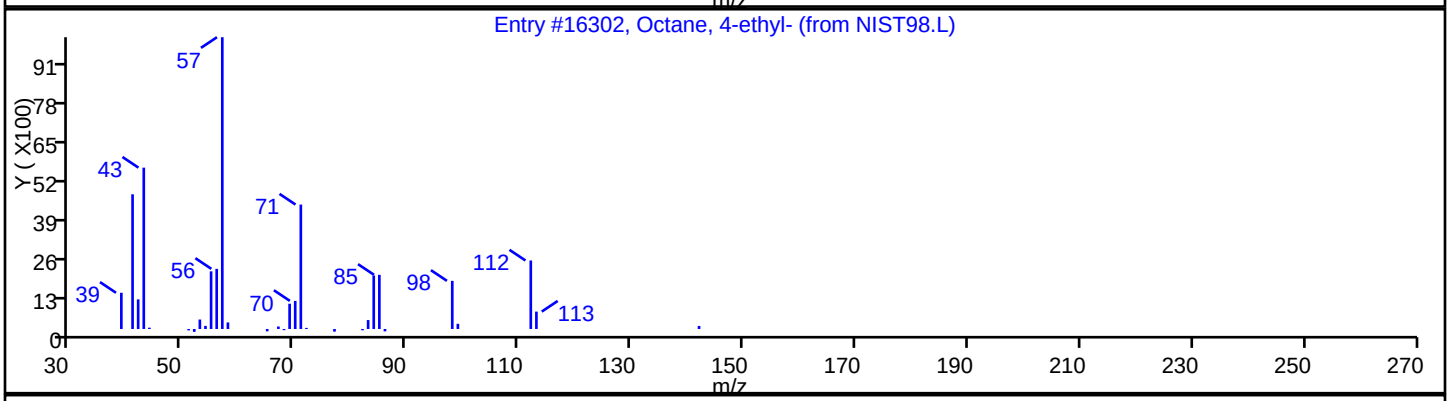
Report Date: 20-Dec-2012 14:27:11 Chrom Revision: 2.0 22-Oct-2012 16:30:48

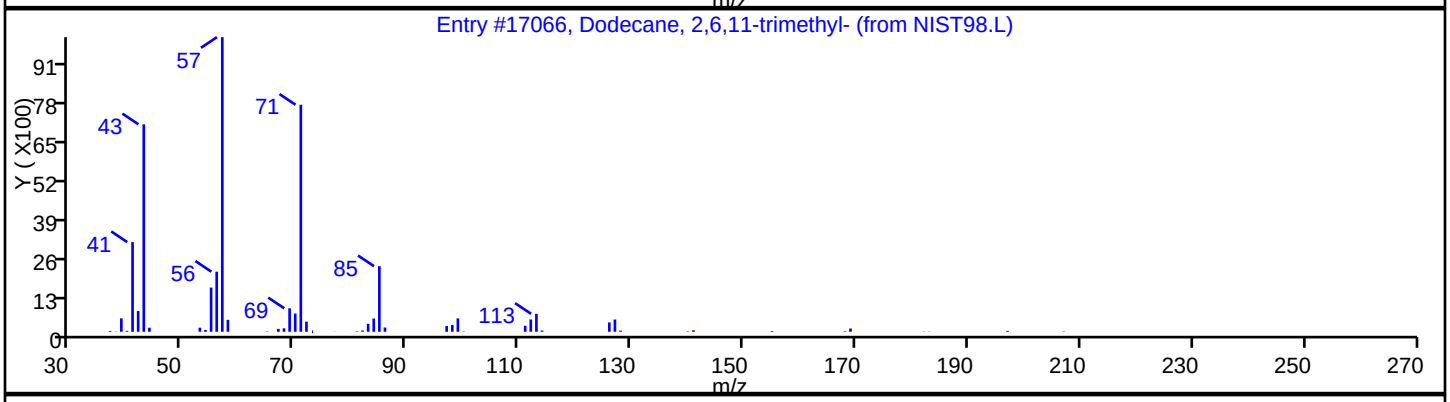
TestAmerica Buffalo

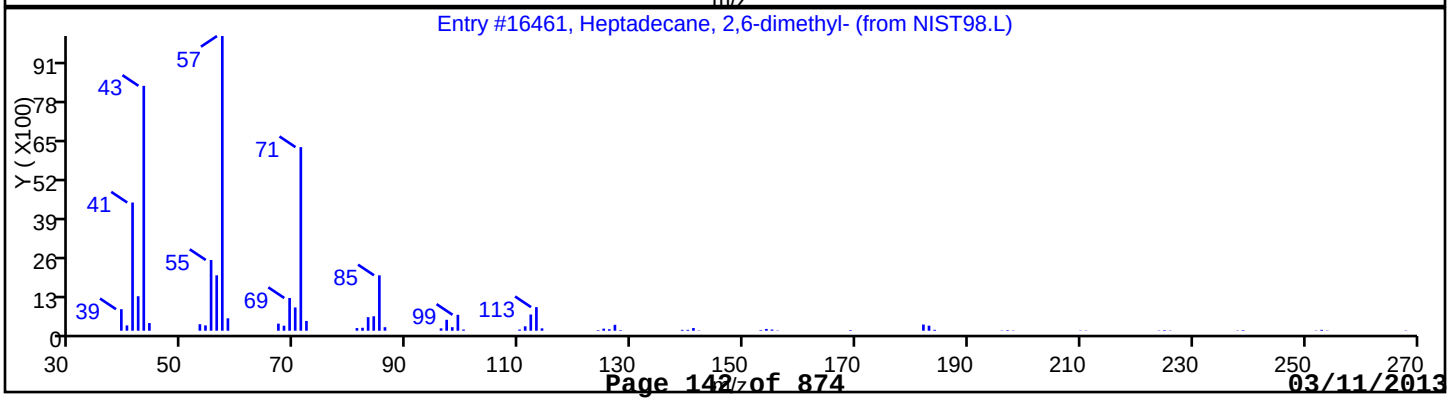
Data File:	\\Bufchrom\ChromData\HP5973F\20121219-17691.b\F4460.D		
Injection Date:	19-Dec-2012 17:29:30	Limit Group:	MV - 8260MCP_RCP
Client ID:	OC-SB-518-13/15-XXX	Instrument ID:	HP5973F
Lims Batch ID:	96559	Lims Sample ID:	10
Operator ID:	JMB	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Octane, 4-ethyl-	15869-86-0	NIST98.L	16302	72
Dodecane, 2,6,11-trimethyl-	31295-56-4	NIST98.L	17066	64
Heptadecane, 2,6-dimethyl-	54105-67-8	NIST98.L	16461	59







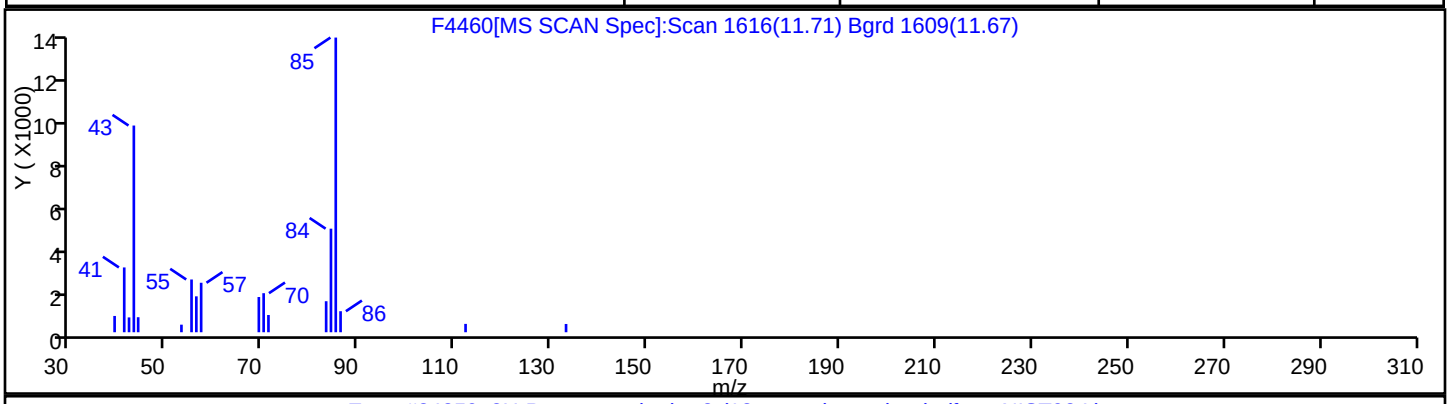


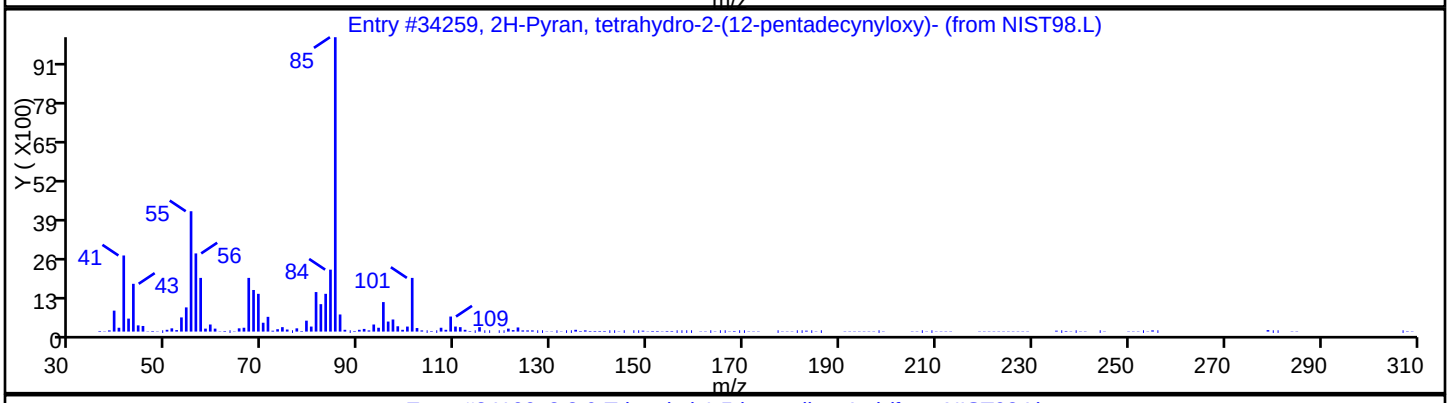
Report Date: 20-Dec-2012 14:27:12 Chrom Revision: 2.0 22-Oct-2012 16:30:48

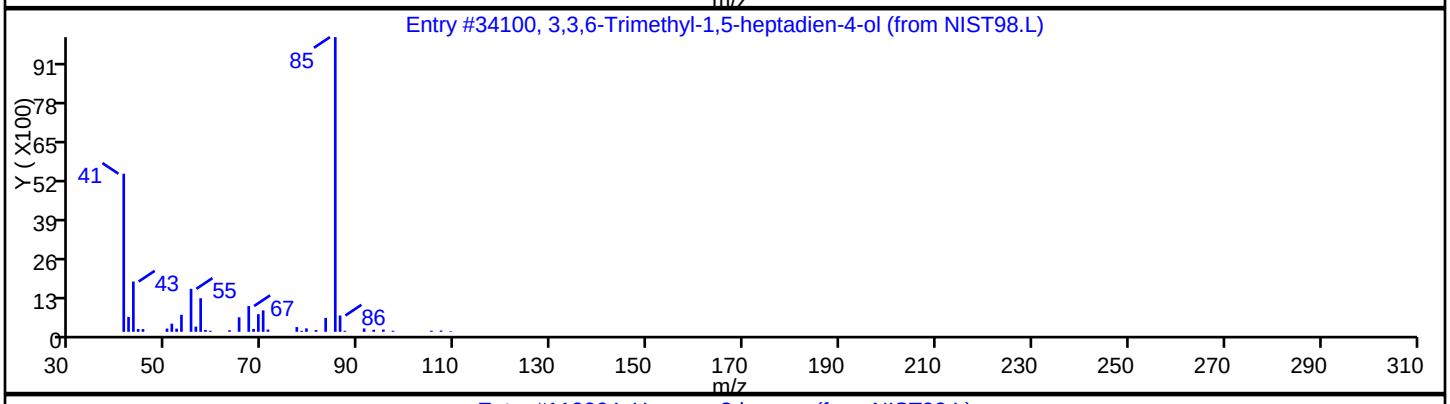
TestAmerica Buffalo

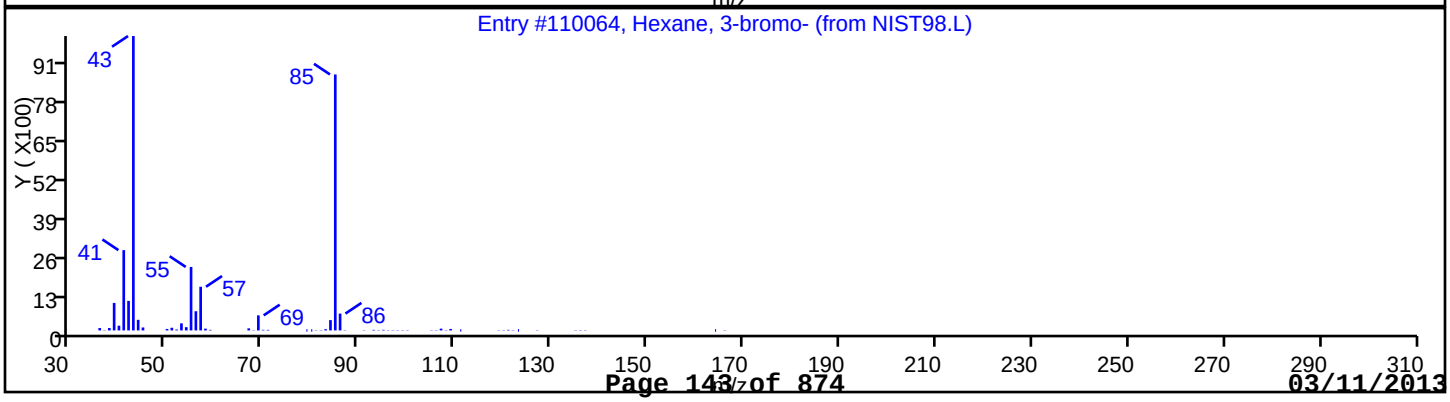
Data File:	\\Bufchrom\ChromData\HP5973F\20121219-17691.b\F4460.D		
Injection Date:	19-Dec-2012 17:29:30	Limit Group:	MV - 8260MCP_RCP
Client ID:	OC-SB-518-13/15-XXX	Instrument ID:	HP5973F
Lims Batch ID:	96559	Lims Sample ID:	10
Operator ID:	JMB	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
2H-Pyran, tetrahydro-2-(12-pentadecynylo	56666-38-7	NIST98.L	34259	72
3,3,6-Trimethyl-1,5-heptadien-4-ol	57590-19-9	NIST98.L	34100	64
Hexane, 3-bromo-	3377-87-5	NIST98.L	110064	59









Report Date: 20-Dec-2012 14:27:12 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973F\20121219-17691.b\F4460.D

Injection Date: 19-Dec-2012 17:29:30 Limit Group: MV - 8260MCP_RCP

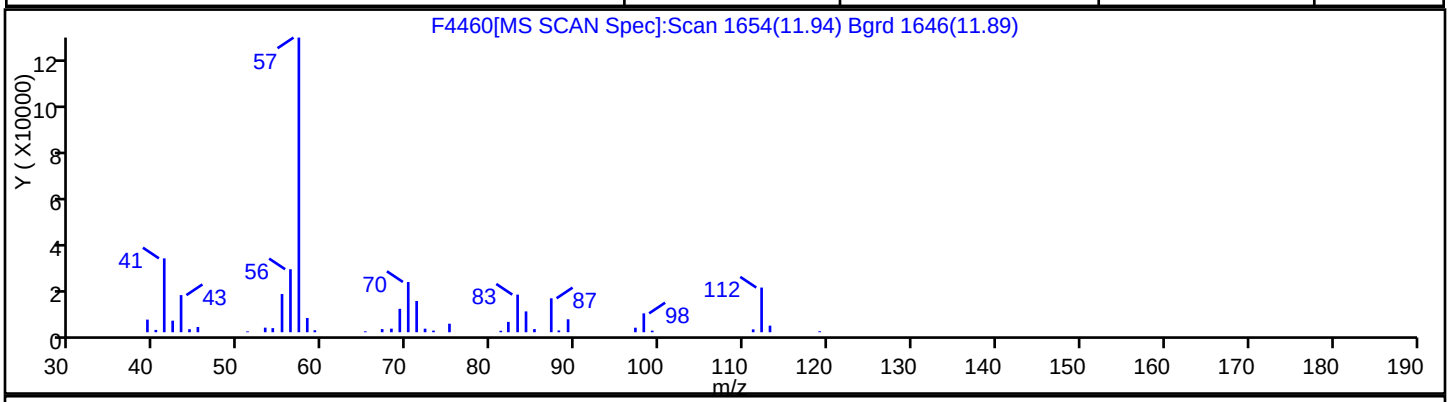
Client ID: OC-SB-518-13/15-XXX Instrument ID: HP5973F

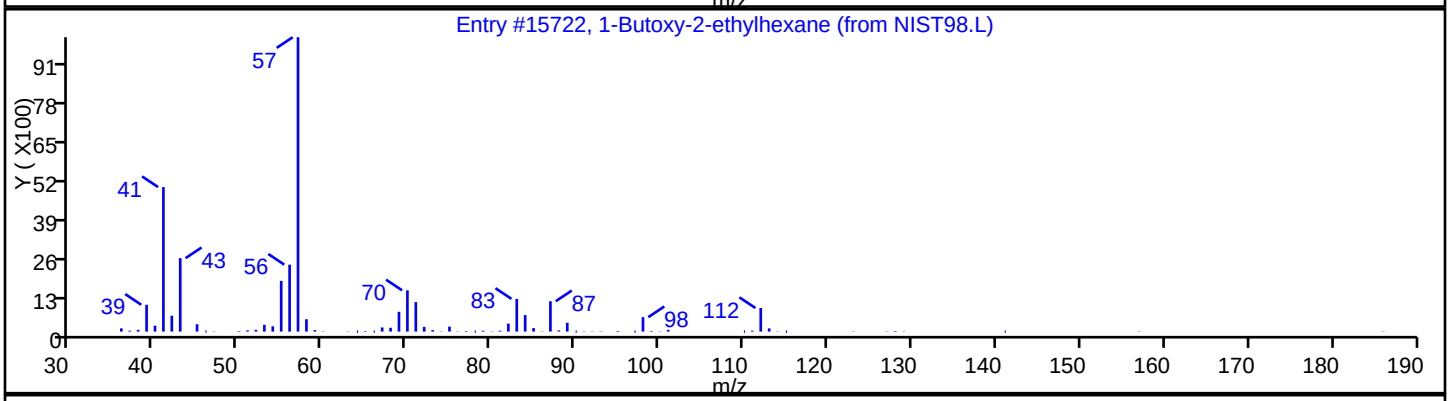
Lims Batch ID: 96559 Lims Sample ID: 10

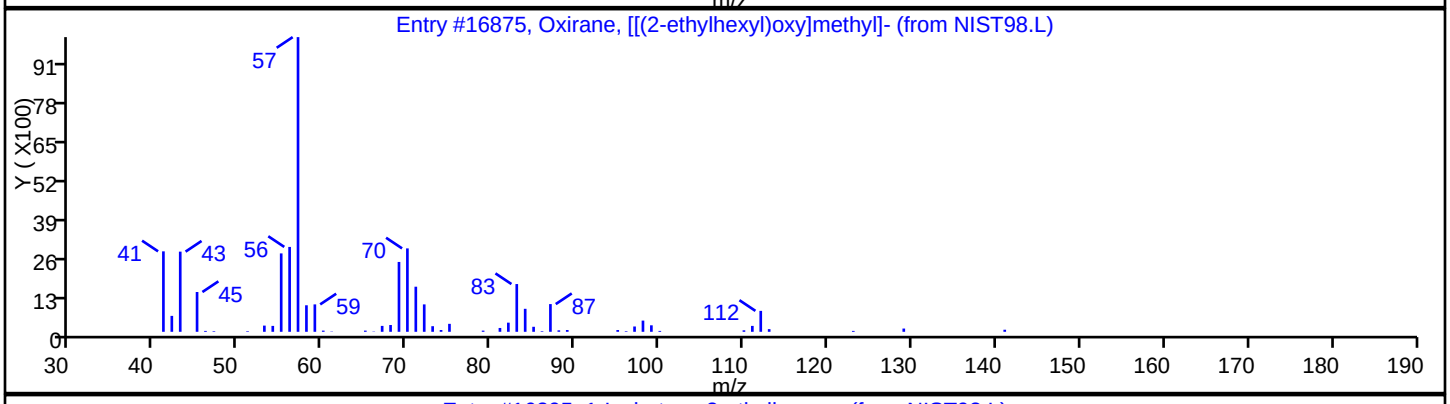
Operator ID: JMB Purge Vol: 5.000 mL

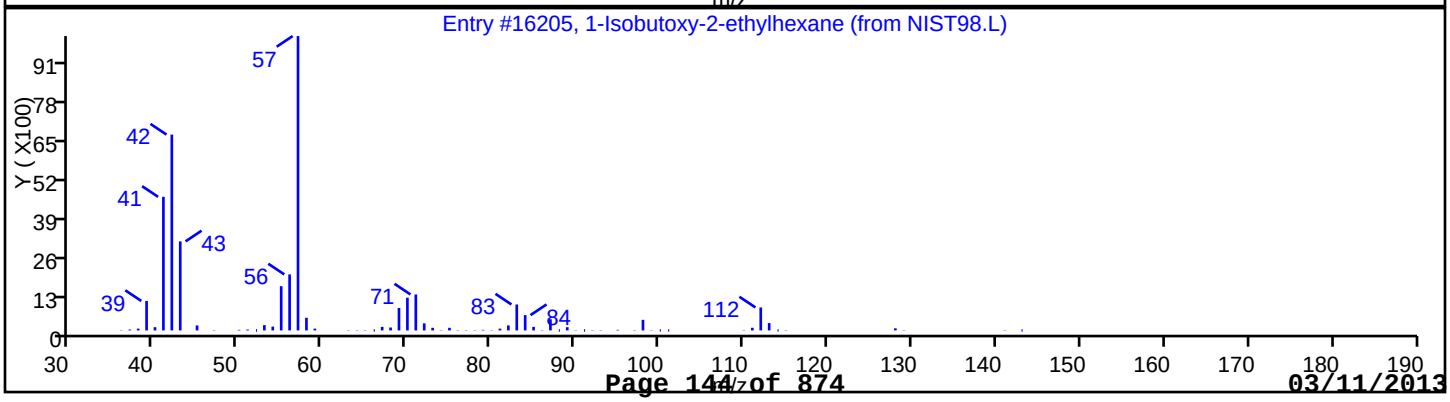
Column Type: ZB-624 Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
1-Butoxy-2-ethylhexane	1000139-90-4	NIST98.L	15722	90
Oxirane, [[(2-ethylhexyl)oxy]methyl]-	2461-15-6	NIST98.L	16875	64
1-Isobutoxy-2-ethylhexane	1000139-90-3	NIST98.L	16205	45







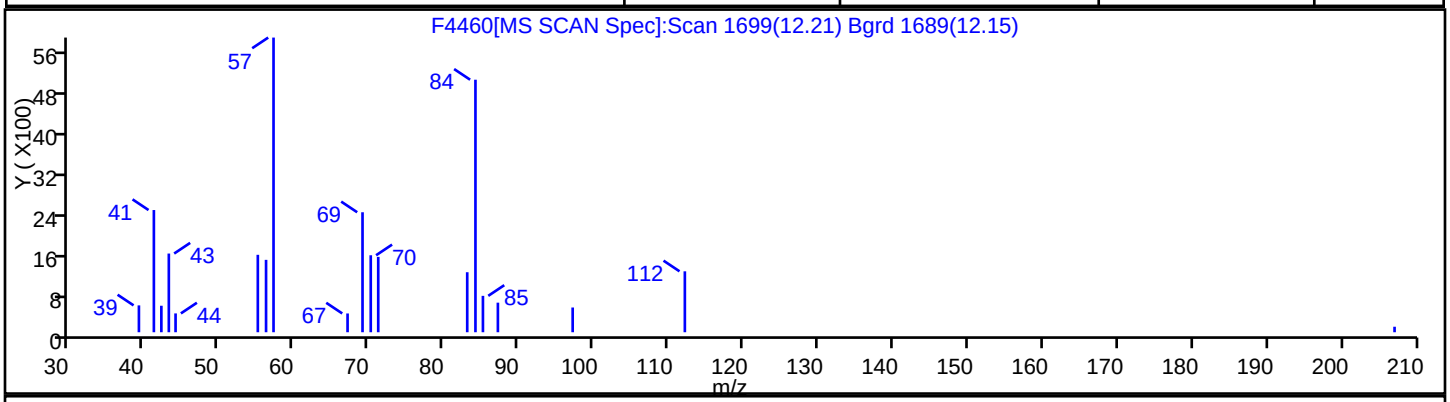


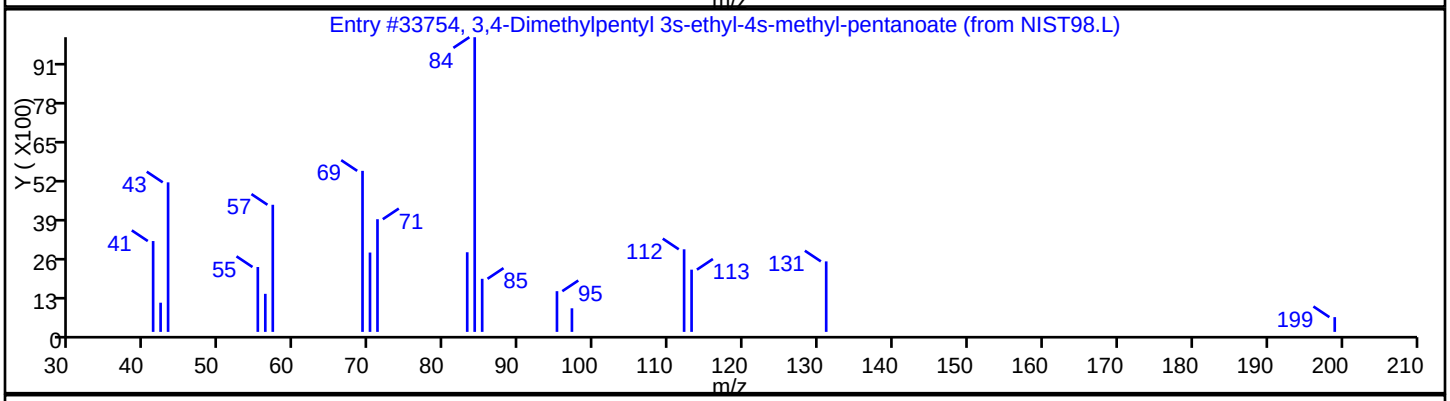
Report Date: 20-Dec-2012 14:27:12 Chrom Revision: 2.0 22-Oct-2012 16:30:48

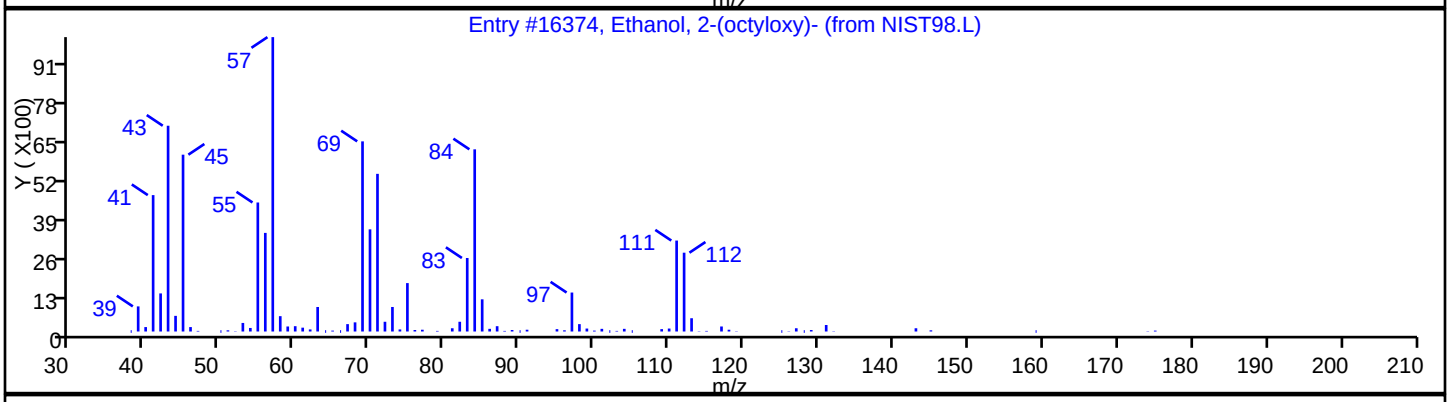
TestAmerica Buffalo

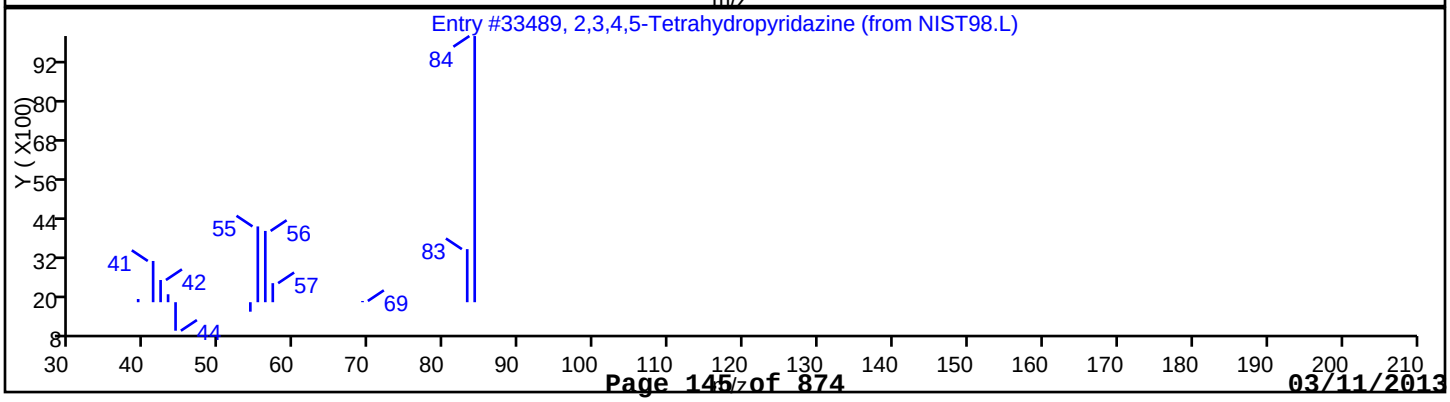
Data File:	\\Bufchrom\ChromData\HP5973F\20121219-17691.b\F4460.D		
Injection Date:	19-Dec-2012 17:29:30	Limit Group:	MV - 8260MCP_RCP
Client ID:	OC-SB-518-13/15-XXX	Instrument ID:	HP5973F
Lims Batch ID:	96559	Lims Sample ID:	10
Operator ID:	JMB	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
3,4-Dimethylpentyl 3s-ethyl-4s-methyl-pe	1000144-66-2	NIST98.L	33754	47
Ethanol, 2-(octyloxy)-	10020-43-6	NIST98.L	16374	40
2,3,4,5-Tetrahydropyridazine	694-6-4	NIST98.L	33489	37







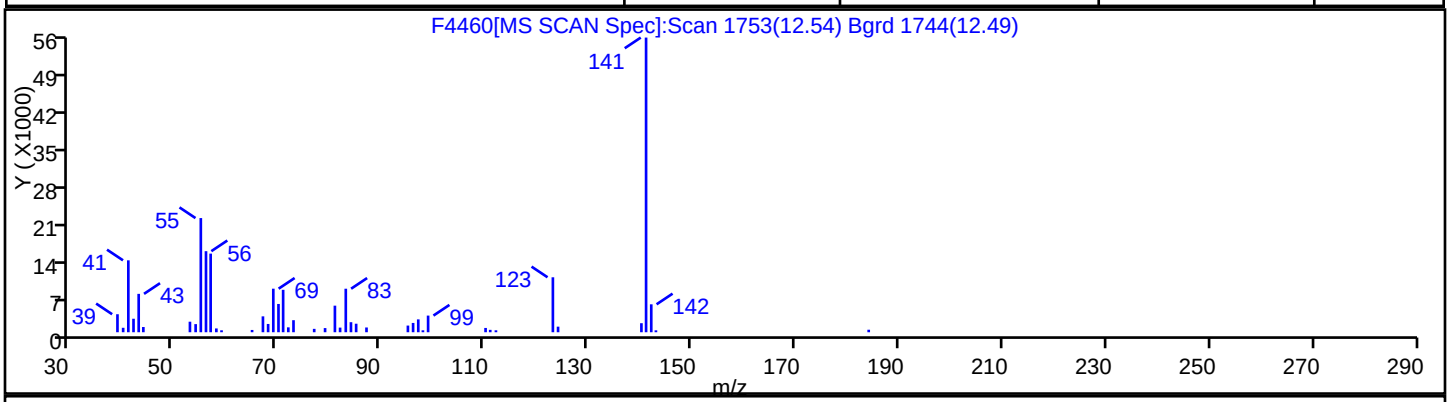


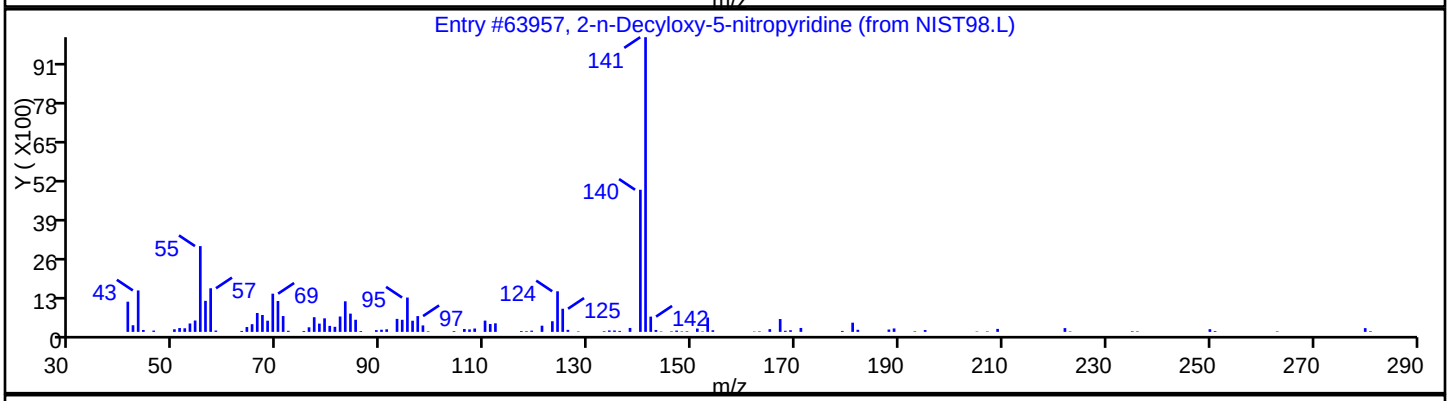
Report Date: 20-Dec-2012 14:27:12 Chrom Revision: 2.0 22-Oct-2012 16:30:48

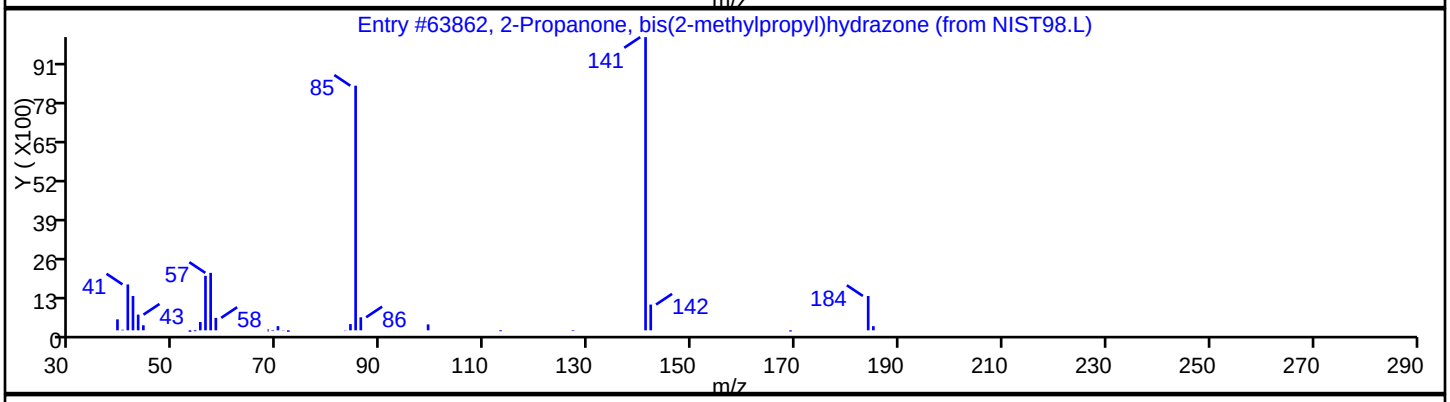
TestAmerica Buffalo

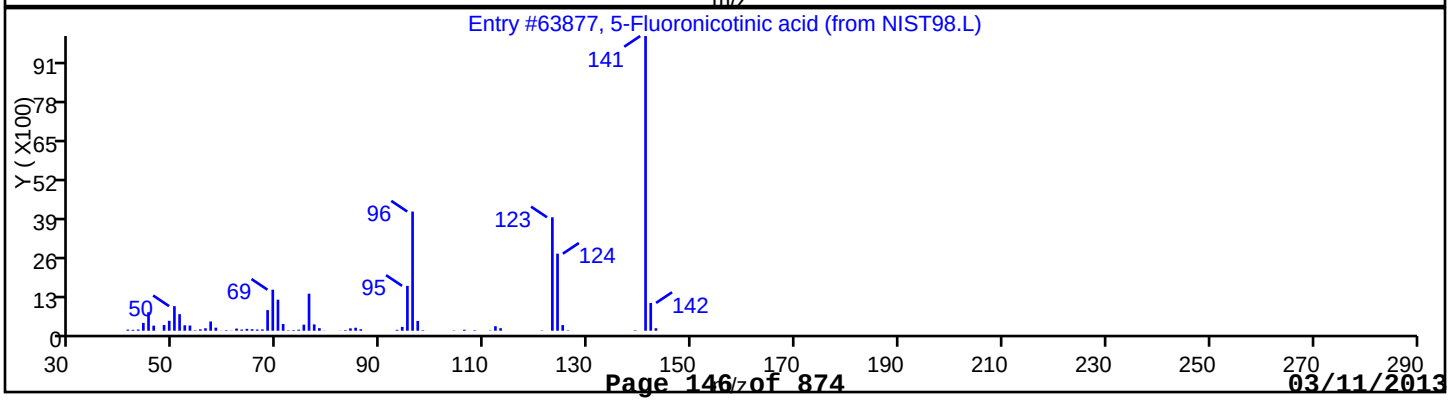
Data File:	\\Bufchrom\ChromData\HP5973F\20121219-17691.b\F4460.D		
Injection Date:	19-Dec-2012 17:29:30	Limit Group:	MV - 8260MCP_RCP
Client ID:	OC-SB-518-13/15-XXX	Instrument ID:	HP5973F
Lims Batch ID:	96559	Lims Sample ID:	10
Operator ID:	JMB	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
2-n-Decyloxy-5-nitropyridine	1000227-8-7	NIST98.L	63957	50
2-Propanone, bis(2-methylpropyl)hydrazon	52835-12-8	NIST98.L	63862	45
5-Fluoronicotinic acid	1000126-58-5	NIST98.L	63877	38







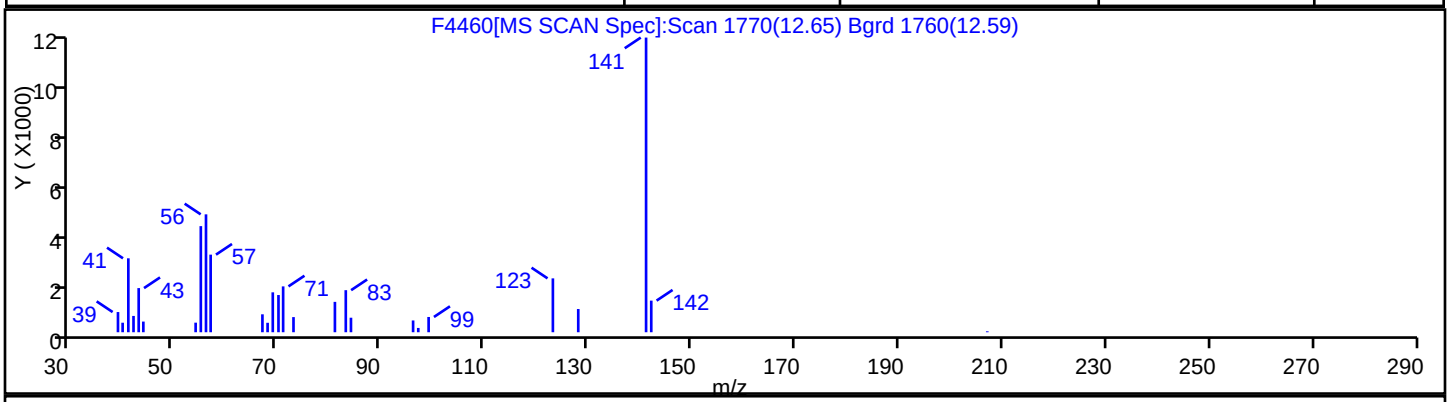


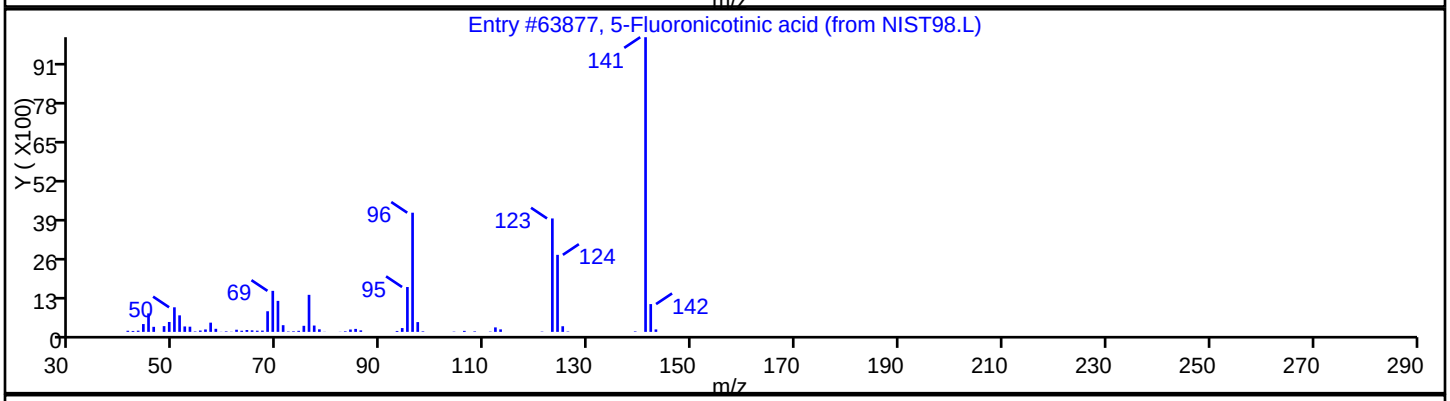
Report Date: 20-Dec-2012 14:27:12 Chrom Revision: 2.0 22-Oct-2012 16:30:48

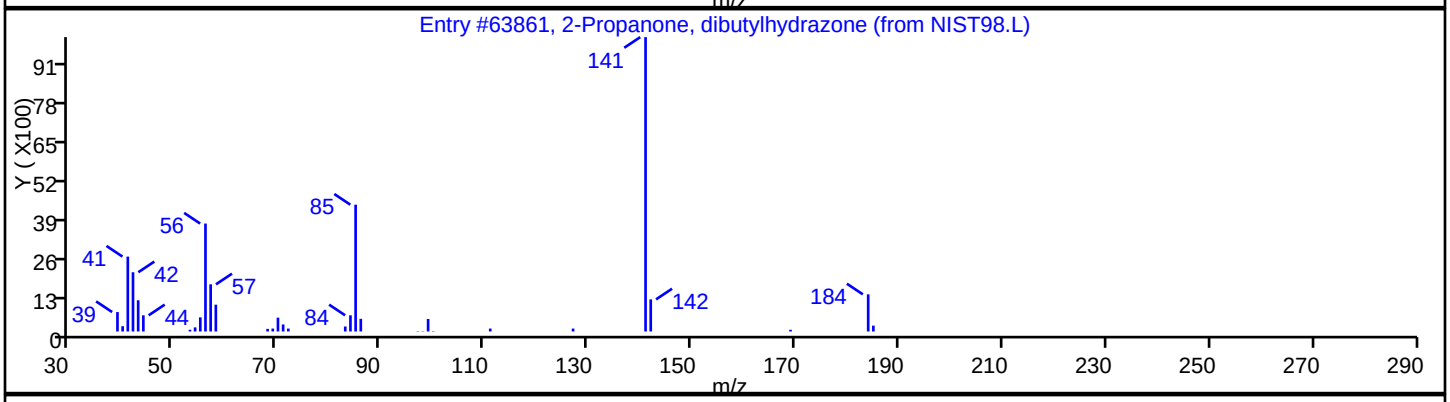
TestAmerica Buffalo

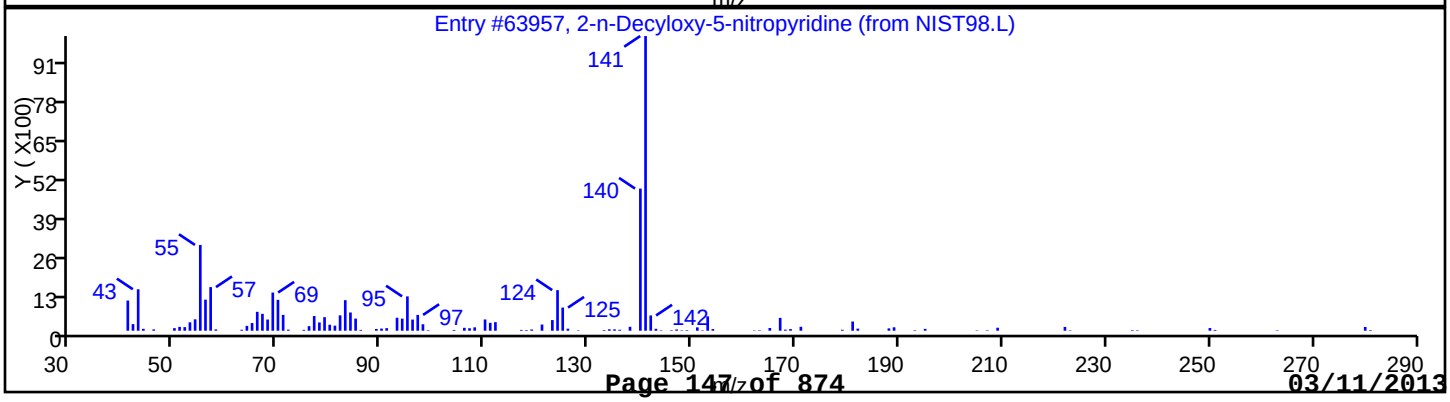
Data File:	\\Bufchrom\ChromData\HP5973F\20121219-17691.b\F4460.D		
Injection Date:	19-Dec-2012 17:29:30	Limit Group:	MV - 8260MCP_RCP
Client ID:	OC-SB-518-13/15-XXX	Instrument ID:	HP5973F
Lims Batch ID:	96559	Lims Sample ID:	10
Operator ID:	JMB	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
5-Fluoronicotinic acid	1000126-58-5	NIST98.L	63877	43
2-Propanone, dibutylhydrazone	67660-52-0	NIST98.L	63861	38
2-n-Decyloxy-5-nitropyridine	1000227-8-7	NIST98.L	63957	38







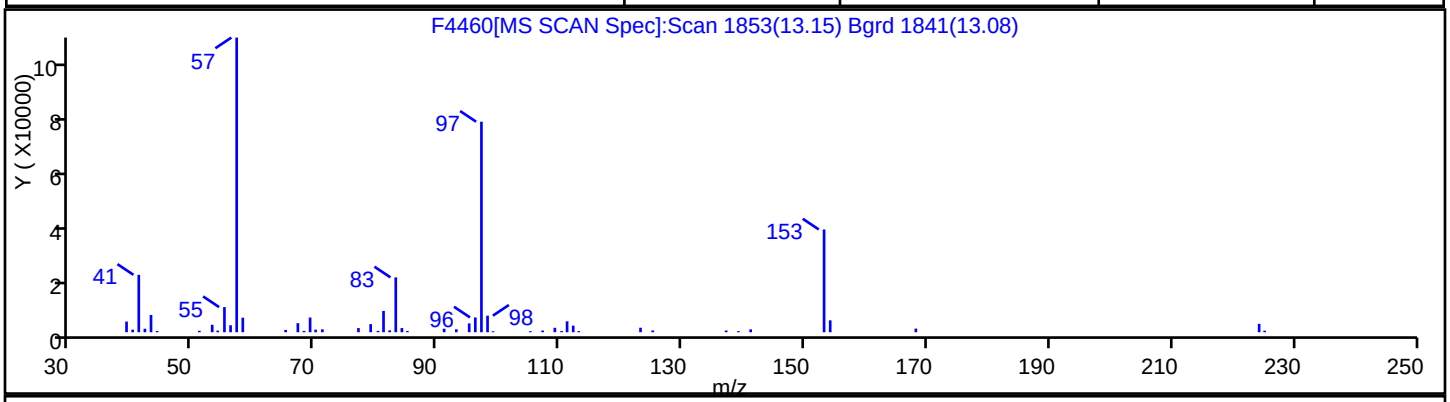


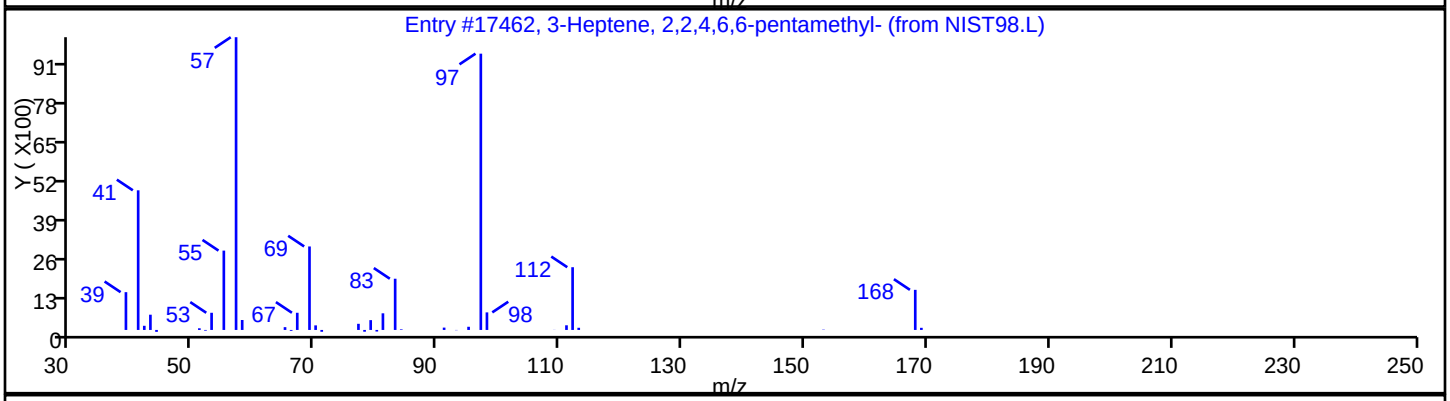
Report Date: 20-Dec-2012 14:27:12 Chrom Revision: 2.0 22-Oct-2012 16:30:48

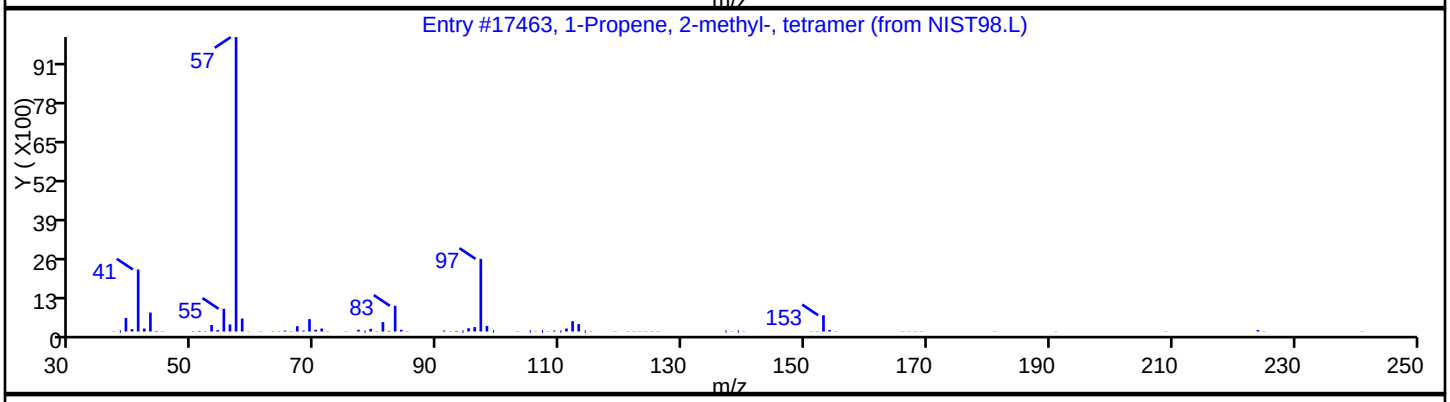
TestAmerica Buffalo

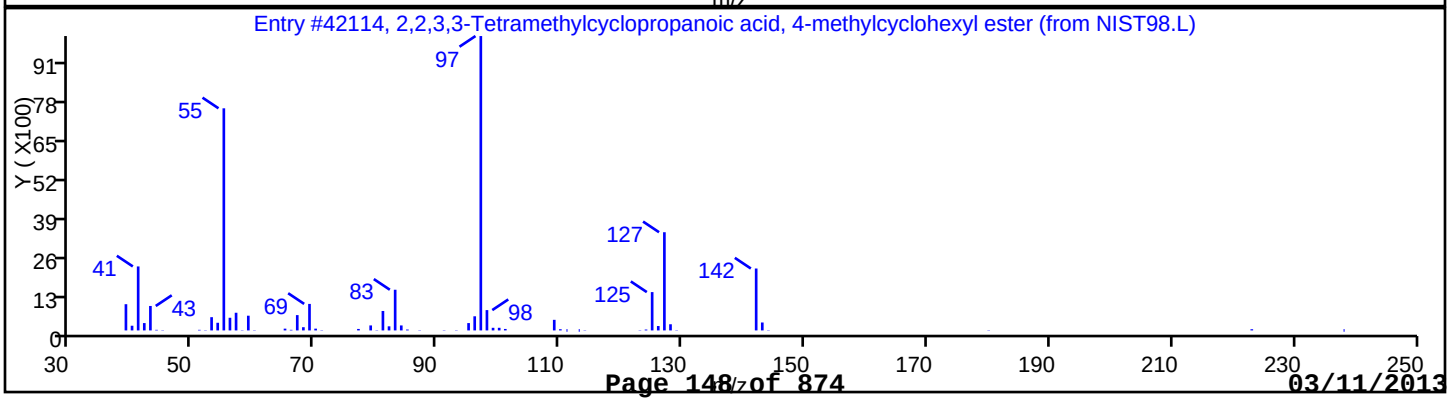
Data File:	\\Bufchrom\ChromData\HP5973F\20121219-17691.b\F4460.D		
Injection Date:	19-Dec-2012 17:29:30	Limit Group:	MV - 8260MCP_RCP
Client ID:	OC-SB-518-13/15-XXX	Instrument ID:	HP5973F
Lims Batch ID:	96559	Lims Sample ID:	10
Operator ID:	JMB	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
3-Heptene, 2,2,4,6,6-pentamethyl-	123-48-8	NIST98.L	17462	58
1-Propene, 2-methyl-, tetramer	15220-85-6	NIST98.L	17463	53
2,2,3,3-Tetramethylcyclopropanoic acid,	1000221-97-5	NIST98.L	42114	38







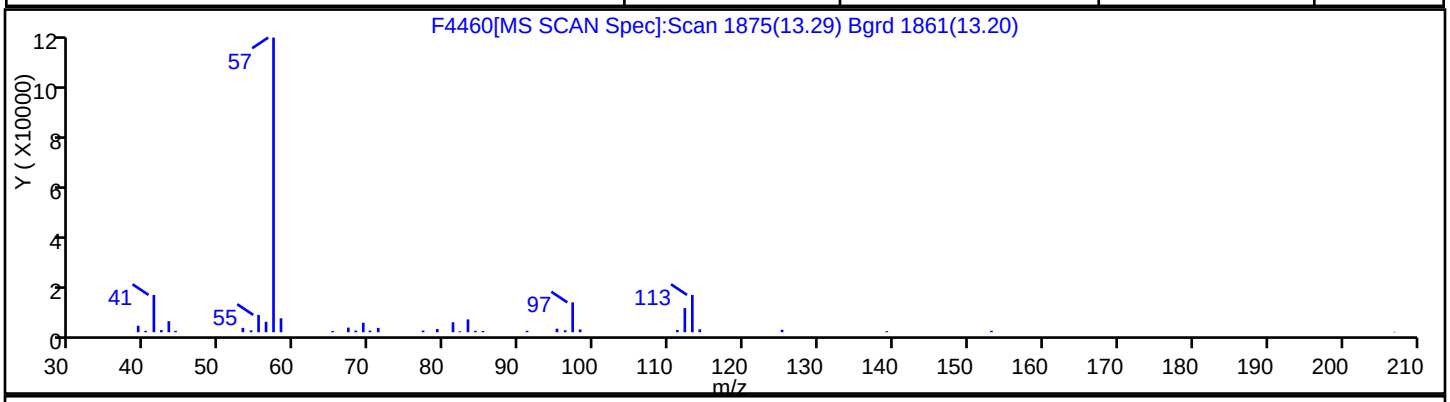


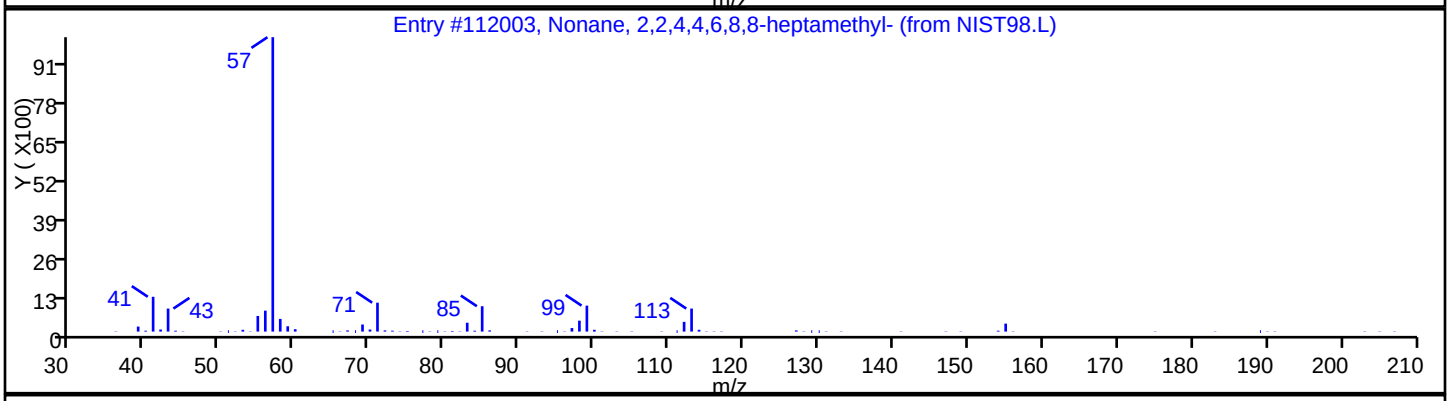
Report Date: 20-Dec-2012 14:27:12 Chrom Revision: 2.0 22-Oct-2012 16:30:48

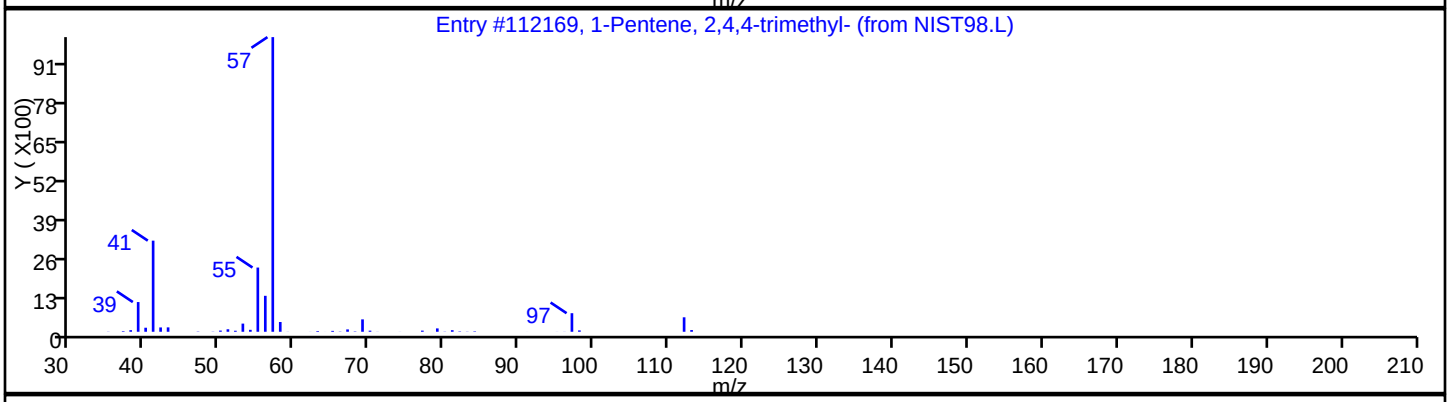
TestAmerica Buffalo

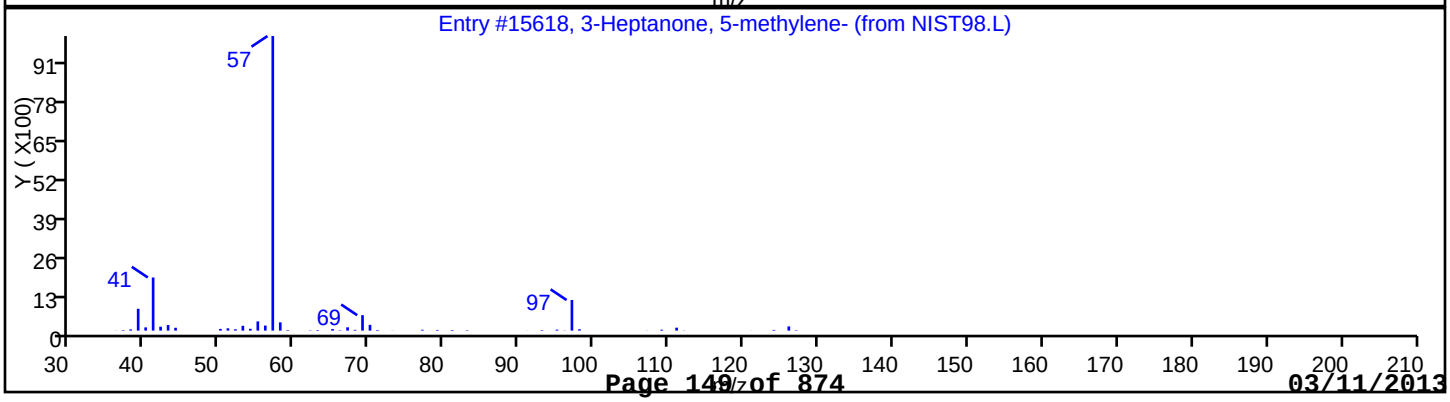
Data File:	\\Bufchrom\ChromData\HP5973F\20121219-17691.b\F4460.D		
Injection Date:	19-Dec-2012 17:29:30	Limit Group:	MV - 8260MCP_RCP
Client ID:	OC-SB-518-13/15-XXX	Instrument ID:	HP5973F
Lims Batch ID:	96559	Lims Sample ID:	10
Operator ID:	JMB	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Nonane, 2,2,4,4,6,8,8-heptamethyl-	4390-4-9	NIST98.L	112003	45
1-Pentene, 2,4,4-trimethyl-	107-39-1	NIST98.L	112169	43
3-Heptanone, 5-methylene-	20690-70-4	NIST98.L	15618	40







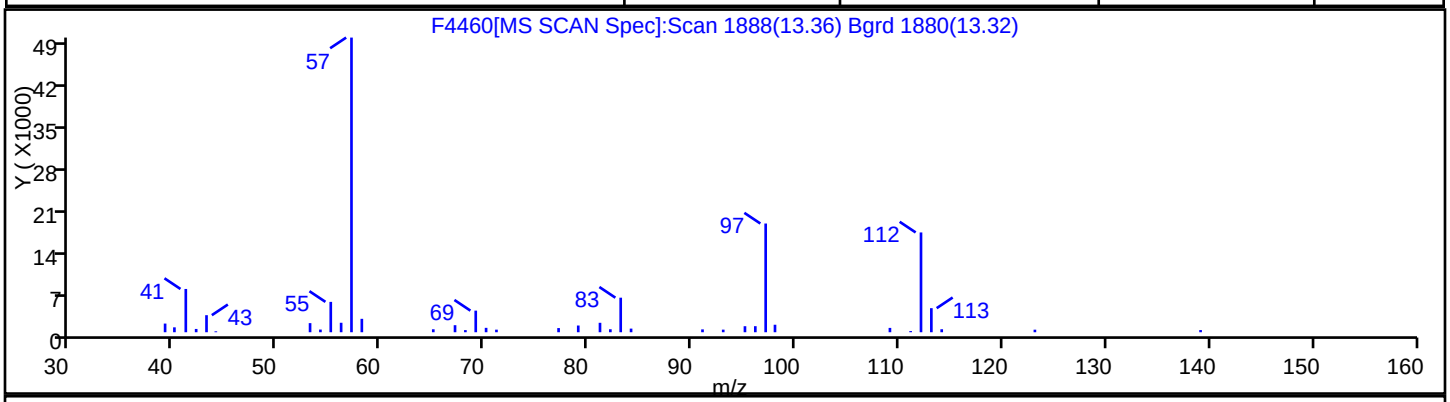


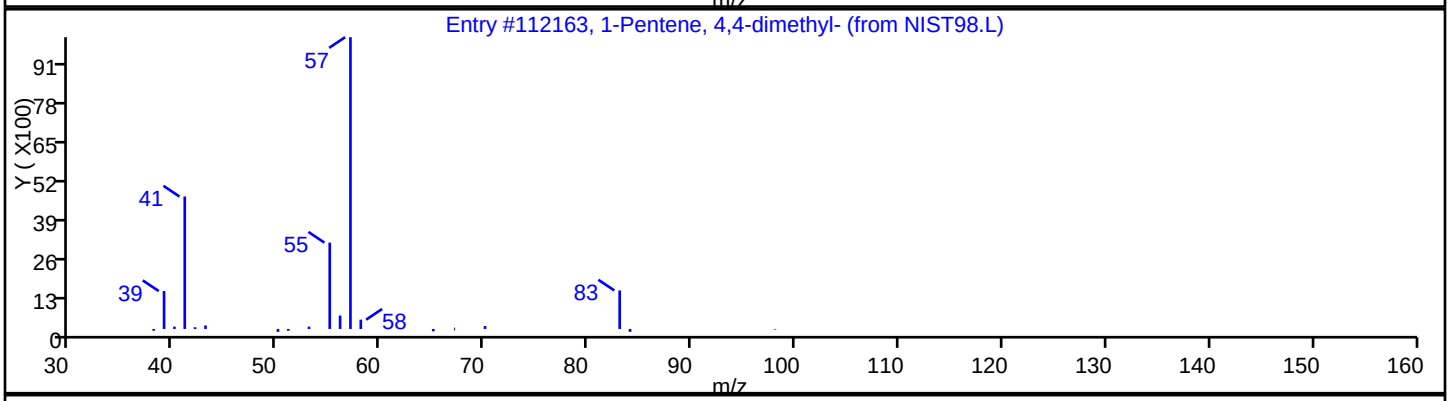
Report Date: 20-Dec-2012 14:27:12 Chrom Revision: 2.0 22-Oct-2012 16:30:48

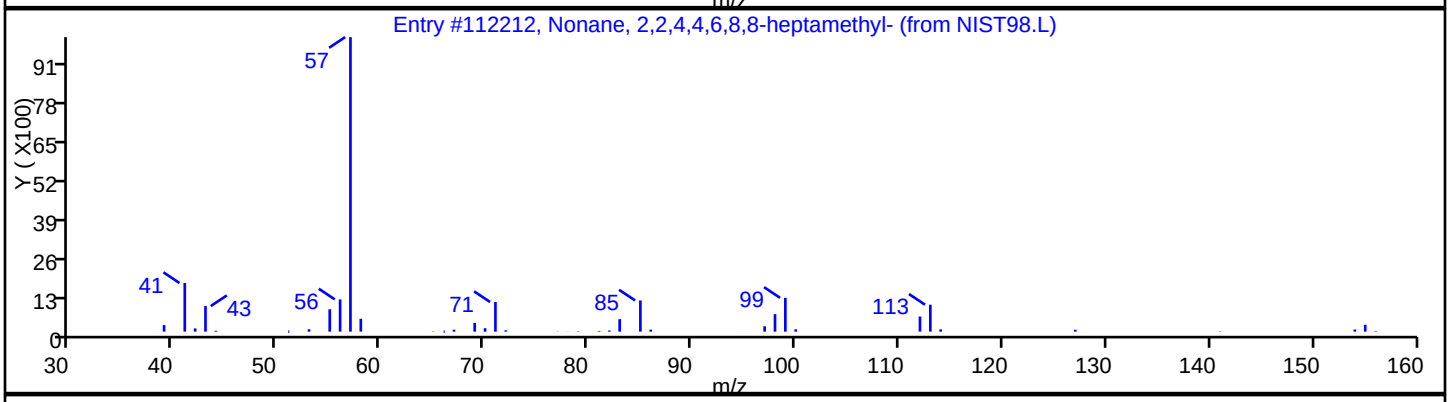
TestAmerica Buffalo

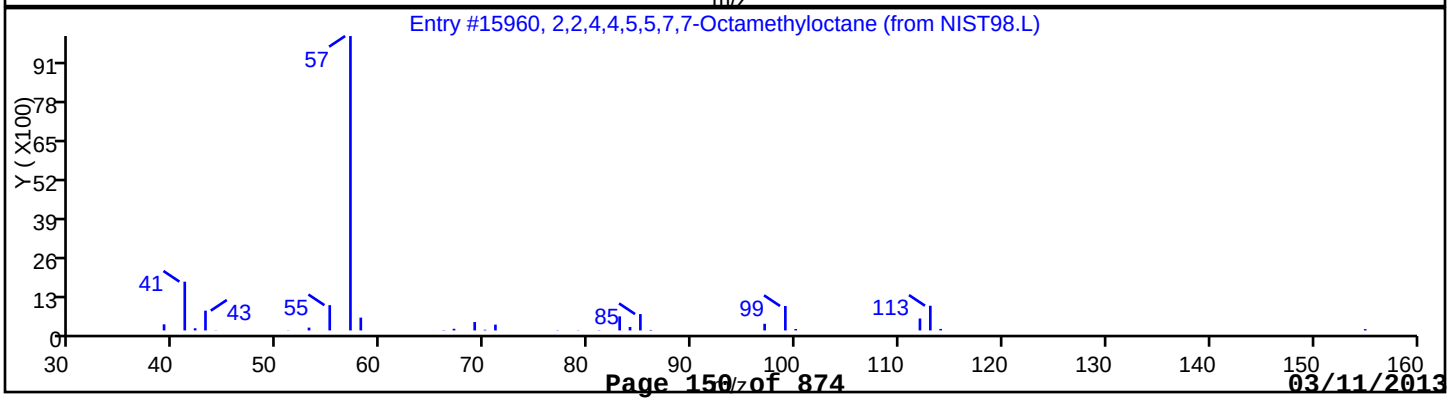
Data File:	\\Bufchrom\ChromData\HP5973F\20121219-17691.b\F4460.D		
Injection Date:	19-Dec-2012 17:29:30	Limit Group:	MV - 8260MCP_RCP
Client ID:	OC-SB-518-13/15-XXX	Instrument ID:	HP5973F
Lims Batch ID:	96559	Lims Sample ID:	10
Operator ID:	JMB	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
1-Pentene, 4,4-dimethyl-	762-62-9	NIST98.L	112163	22
Nonane, 2,2,4,4,6,8,8-heptamethyl-	4390-4-9	NIST98.L	112212	17
2,2,4,4,5,5,7,7-Octamethyloctane	5171-85-7	NIST98.L	15960	17









FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-30346-1 Analy Batch No.: 95189

SDG No.:

Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/11/2012 18:50 Calibration End Date: 12/11/2012 23:36 Calibration ID: 11594

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8 480-95189/10	F4229.D
Level 2	STD9 480-95189/11	F4230.D
Level 3	STD10 480-95189/20	F4239.D
Level 4	STD11 480-95189/13	F4232.D
Level 5	STD12 480-95189/14	F4233.D
Level 6	STD13 480-95189/15	F4234.D
Level 7	STD14 480-95189/16	F4235.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Ethyl ether	0.3068 0.2768	0.3055 0.2836	0.3586	0.2939	0.3198	Ave		0.3064				8.9		15.0			
3-Chloro-1-propene	1.5110 0.5605	0.7593 0.5807	0.7503	0.5937	0.6034	Lin1	1.8475	0.5584							0.9960		0.9900
2-Methyl-2-propanol	0.0728 0.0657	0.0727 0.0646	0.0807	0.0729	0.0737	Ave		0.0719				7.5		15.0			
Halothane	0.1811 0.1997	0.2031 0.2199	0.2343	0.2081	0.2203	Ave		0.2095				8.2		15.0			
Isopropyl ether	1.2315 1.1763	1.2226 1.2047	1.3662	1.2347	1.2718	Ave		1.2440				4.9		15.0			
Tert-butyl ethyl ether	1.1447 1.0457	1.1635 1.1067	1.2427	1.1609	1.1706	Ave		1.1478				5.3		15.0			
Propionitrile	0.0713 0.0710	0.0702 0.0711	0.0829	0.0754	0.0770	Ave		0.0741				6.3		15.0			
Tert-amyl methyl ether	1.0009 0.9531	0.9780 1.0097	1.0835	1.0060	1.0490	Ave		1.0115				4.3		15.0			
n-Heptane	0.5994 0.5919	0.5571 0.5427	0.8198	0.6145	0.6165	Ave		0.6203				15.0		15.0			
2,4,4-Trimethyl-1-pentene	0.3668 0.3961	0.4041 0.1561	0.4676	0.4001	0.4161	Ave		0.3724				27.0	*	15.0			
2,4,4-Trimethyl-2-pentene	0.6955 0.7656	0.5761 0.8209	0.9649	0.8929	0.8000	Lin1	-0.206	0.8111							0.9960		0.9900
1,4-Dioxane	0.0150 0.0142	0.0144 0.0143	0.0162	0.0155	0.0154	Ave		0.0150				4.9		15.0			
2-Nitropropane	0.2488 0.2727	0.2443 0.2755	0.2659	0.2700	0.2845	Ave		0.2659				5.5		15.0			

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

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-30346-1 Analy Batch No.: 95189

SDG No.:

Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/11/2012 18:50 Calibration End Date: 12/11/2012 23:36 Calibration ID: 11594

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8 480-95189/10	F4229.D
Level 2	STD9 480-95189/11	F4230.D
Level 3	STD10 480-95189/20	F4239.D
Level 4	STD11 480-95189/13	F4232.D
Level 5	STD12 480-95189/14	F4233.D
Level 6	STD13 480-95189/15	F4234.D
Level 7	STD14 480-95189/16	F4235.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/KG)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Ethyl ether	DFB	Ave	5362 211536	10861 407331	25292	41272	111099	2.50 100	5.00 200	10.0	20.0	50.0
3-Chloro-1-propene	DFB	Lin1	26409 428324	26990 833905	52914	83375	209623	2.50 100	5.00 200	10.0	20.0	50.0
2-Methyl-2-propanol	DFB	Ave	25430 1004834	51660 1854046	113887	204745	511931	50.0 2000	100 4000	200	400	1000
Halothane	DFB	Ave	3165 152642	7218 315729	16523	29221	76536	2.50 100	5.00 200	10.0	20.0	50.0
Isopropyl ether	DFB	Ave	21524 898966	43459 1730032	96345	173380	441816	2.50 100	5.00 200	10.0	20.0	50.0
Tert-butyl ethyl ether	DFB	Ave	20006 799155	41356 1589261	87637	163015	406662	2.50 100	5.00 200	10.0	20.0	50.0
Propionitrile	DFB	Ave	12468 542501	24957 1020754	58478	105946	267490	25.0 1000	50.0 2000	100	200	500
Tert-amyl methyl ether	DFB	Ave	17493 728406	34763 1450064	76408	141274	364398	2.50 100	5.00 200	10.0	20.0	50.0
n-Heptane	DFB	Ave	10476 452341	19801 779322	57815	86295	214165	2.50 100	5.00 200	10.0	20.0	50.0
2,4,4-Trimethyl-1-pentene	DFB	Ave	6410 302668	14365 224122	32977	56183	144550	2.50 100	5.00 200	10.0	20.0	50.0
2,4,4-Trimethyl-2-pentene	DFB	Lin1	12155 585052	20479 1178831	68049	125383	277895	2.50 100	5.00 200	10.0	20.0	50.0
1,4-Dioxane	CBZ	Ave	4424 189764	8796 358550	19590	37449	93259	100 4000	200 8000	400	800	2000
2-Nitropropane	DCB	Ave	9934 492012	19879 940308	43767	88379	236210	12.5 500	25.0 1000	50.0	100	250

Curve Type Legend:
Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973F\20121211-17433.b\F4229.D		
Lims ID:	STD8	Client ID:	
Inject. Date:	11-Dec-2012 18:50:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	STD8		
Misc. Info.:	480-0017433-010 =480-0017433-010		
Operator:	Jmb	Instrument ID:	HP5973F
Purge Vol:	5.000 mL	ALS Bottle#:	10
Lims Batch ID:	95189	Lims Sample ID:	10
Sublist:	chrom-F-8260 SOIL*sub15		
Detector:	MS SCAN		

Method:	\\Bufchrom\ChromData\HP5973F\20121211-17433.b\F-8260 SOIL.m		
Last Update:	11-Dec-2012 22:39:31	Calib Date:	11-Dec-2012 21:23:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973F\20121211-17433.b\F4235.D		
Limit Group:	MV - 8260MCP_RCP		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	ZB-624	Column Dia:	0.25 mm
Process Host:	XAWRK007		

First Level Reviewer: cwiklinc Date: 11-Dec-2012 22:39:31

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.608	5.608	0.0	93	349550	50.0	
* 2 Chlorobenzene-d5	82	8.382	8.382	0.0	82	147743	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.700	10.700	0.0	92	159682	50.0	
11 Chlorodifluoromethane	51	2.013	2.013	0.0	43	5996	0	
16 Dichlorofluoromethane	67	2.810	2.810	0.0	33	8753	0	
18 Ethyl ether	59	3.029	3.035	-0.006	67	5362	2.54	
19 Propene oxide	58	3.132	3.132	0.0	69	9348	0	
24 Isopropyl alcohol	45	3.394	3.394	0.0	66	15965	0	
28 3-Chloro-1-propene	41	3.540	3.540	0.0	61	26409	3.56	
31 2-Methyl-2-propanol	59	3.698	3.698	0.0	83	25430	50.9	
35 Hexane	57	3.972	3.972	0.0	79	11922	0	
134 Halothane	117	4.124	4.130	-0.006	0	3165	2.20	
36 Isopropyl ether	45	4.124	4.130	-0.006	89	21524	2.48	
38 1,1-Dimethoxyethane	75	4.203	4.203	0.0	78	7997	0	
40 2-Chloro-1,3-butadiene	53	4.227	4.227	0.0	37	8958	0	
41 Tert-butyl ethyl ether	59	4.410	4.416	-0.006	78	20006	2.48	
42 Ethyl acetate	43	4.617	4.611	0.006	80	11543	0	
46 Propionitrile	54	4.726	4.720	0.006	72	12468	24.2	
47 Methacrylonitrile	41	4.811	4.817	-0.006	50	4914	0	
53 Isobutyl alcohol	43	5.195	5.195	0.0	72	24054	0	
56 Tert-amyl methyl ether	73	5.347	5.347	0.0	83	17493	2.48	
59 n-Heptane	43	5.420	5.420	0.0	78	10476	2.47	
136 2,4,4-Trimethyl-1-pentene	55	5.736	5.742	-0.006	0	6410	2.50	
60 n-Butanol	56	5.748	5.742	0.006	81	18769	0	
135 2,4,4-Trimethyl-2-pentene	97	5.919	5.919	0.0	0	12155	2.25	
63 Methyl methacrylate	41	6.083	6.083	0.0	54	6427	2.48	
66 1,4-Dioxane	88	6.186	6.180	0.006	53	4424	99.3	
70 2-Nitropropane	43	6.533	6.533	0.0	79	9934	11.6	
71 Epichlorohydrin	57	6.649	6.643	0.006	74	18644	0	

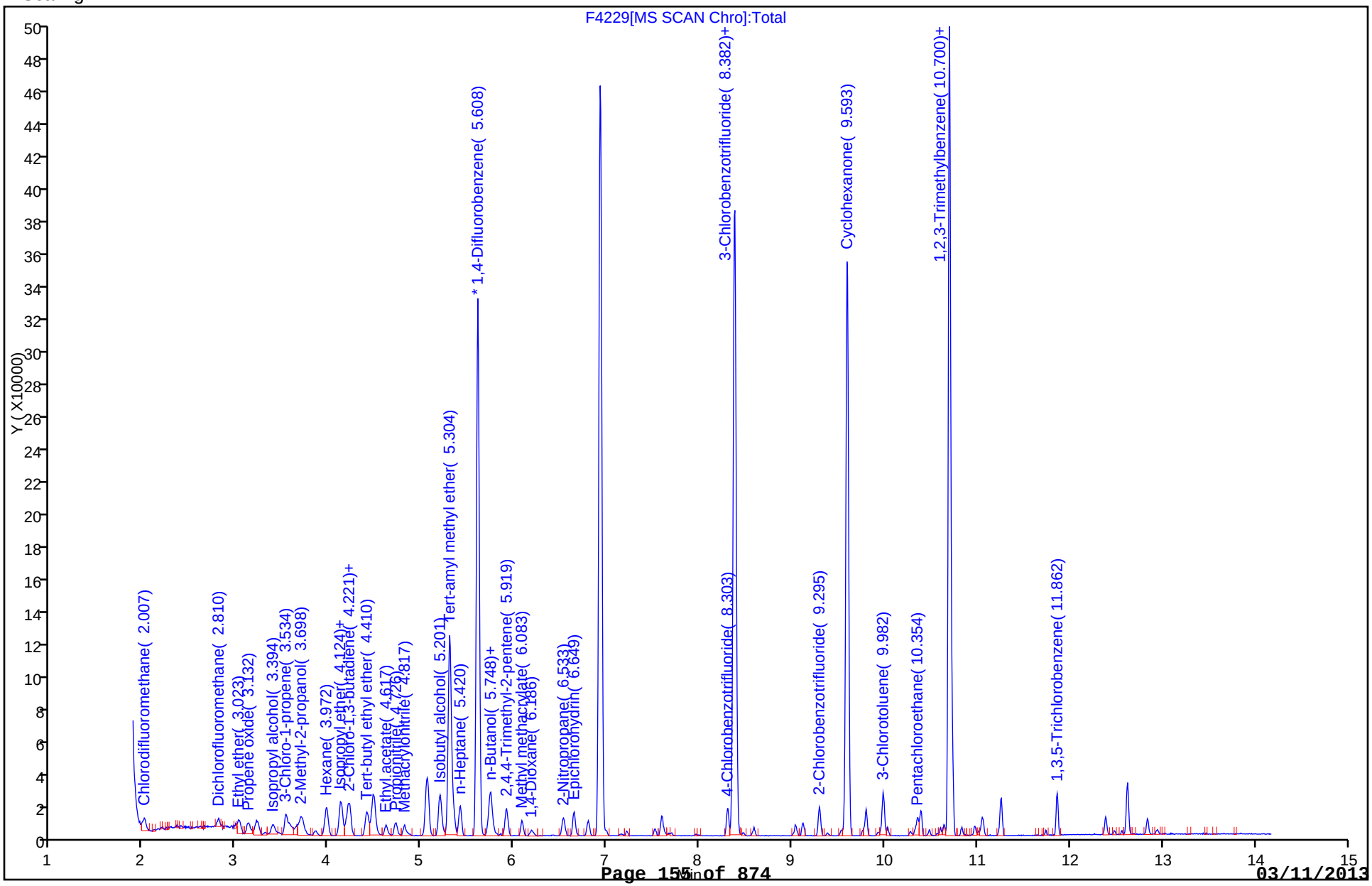
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
86 4-Chlorobenzotrifluoride	180	8.303	8.309	-0.006	30	10527	0	
85 3-Chlorobenzotrifluoride	180	8.358	8.364	-0.006	19	10483	0	
93 2-Chlorobenzotrifluoride	180	9.295	9.295	0.0	40	10610	0	
96 Cyclohexanone	55	9.581	9.581	0.0	81	14065	0	
104 3-Chlorotoluene	126	9.982	9.989	-0.006	60	8556	0	
108 Pentachloroethane	167	10.354	10.360	-0.006	23	3001	0	
114 Dicyclopentadiene	66	10.712	10.719	-0.007	74	29575	0	
112 1,2,3-Trimethylbenzene	105	10.731	10.731	0.0	49	27295	0	
118 1,3,5-Trichlorobenzene	180	11.862	11.862	0.0	53	11412	0	

Report Date: 11-Dec-2012 22:39:31 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973F\20121211-17433.b\F4229.D		
Injection Date:	11-Dec-2012 18:50:30	Limit Group:	MV - 8260MCP_RCP
Client ID:		Instrument ID:	HP5973F
Lims Batch ID:	95189	Lims Sample ID:	10
Operator ID:	Jmb	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:



TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973F\20121211-17433.b\F4230.D		
Lims ID:	STD9	Client ID:	
Inject. Date:	11-Dec-2012 19:15:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	STD9		
Misc. Info.:	480-0017433-011 =480-0017433-011		
Operator:	Jmb	Instrument ID:	HP5973F
Purge Vol:	5.000 mL	ALS Bottle#:	11
Lims Batch ID:	95189	Lims Sample ID:	11
Sublist:	chrom-F-8260 SOIL*sub15		
Detector:	MS SCAN		

Method:	\\Bufchrom\ChromData\HP5973F\20121211-17433.b\F-8260 SOIL.m		
Last Update:	11-Dec-2012 22:41:25	Calib Date:	11-Dec-2012 21:23:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973F\20121211-17433.b\F4235.D		
Limit Group:	MV - 8260MCP_RCP		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	ZB-624	Column Dia:	0.25 mm
Process Host:	XAWRK007		

First Level Reviewer: cwiklinc Date: 11-Dec-2012 22:41:25

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.608	5.608	0.0	93	355458	50.0	
* 2 Chlorobenzene-d5	82	8.382	8.382	0.0	81	152365	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.700	10.700	0.0	93	162775	50.0	
11 Chlorodifluoromethane	51	2.013	2.013	0.0	44	11831	0	
16 Dichlorofluoromethane	67	2.804	2.810	-0.006	37	16316	0	
18 Ethyl ether	59	3.035	3.035	0.0	69	10861	5.05	
19 Propene oxide	58	3.132	3.132	0.0	75	17896	0	
24 Isopropyl alcohol	45	3.400	3.394	0.006	82	31544	0	
28 3-Chloro-1-propene	41	3.540	3.540	0.0	79	26990	3.60	
31 2-Methyl-2-propanol	59	3.698	3.698	0.0	95	51660	101.7	
35 Hexane	57	3.972	3.972	0.0	87	20449	0	
134 Halothane	117	4.130	4.130	0.0	0	7218	4.94	
36 Isopropyl ether	45	4.130	4.130	0.0	92	43459	4.92	
38 1,1-Dimethoxyethane	75	4.209	4.203	0.006	64	16469	0	
40 2-Chloro-1,3-butadiene	53	4.227	4.227	0.0	65	17770	0	
41 Tert-butyl ethyl ether	59	4.410	4.416	-0.006	94	41356	5.04	
42 Ethyl acetate	43	4.617	4.611	0.006	86	16799	0	
46 Propionitrile	54	4.720	4.720	0.0	87	24957	47.6	
47 Methacrylonitrile	41	4.817	4.817	0.0	72	9671	0	
53 Isobutyl alcohol	43	5.201	5.195	0.006	91	48990	0	
56 Tert-amyl methyl ether	73	5.341	5.347	-0.006	86	34763	4.84	
59 n-Heptane	43	5.414	5.420	-0.006	82	19801	4.60	
136 2,4,4-Trimethyl-1-pentene	55	5.742	5.742	0.0	0	14365	5.52	
60 n-Butanol	56	5.748	5.742	0.006	84	38575	0	
135 2,4,4-Trimethyl-2-pentene	97	5.918	5.919	-0.001	0	20479	3.73	
63 Methyl methacrylate	41	6.083	6.083	0.0	73	12808	4.86	
66 1,4-Dioxane	88	6.180	6.180	0.0	56	8796	191.5	
70 2-Nitropropane	43	6.539	6.533	0.006	95	19879	22.8	
71 Epichlorohydrin	57	6.642	6.643	-0.001	88	37887	0	

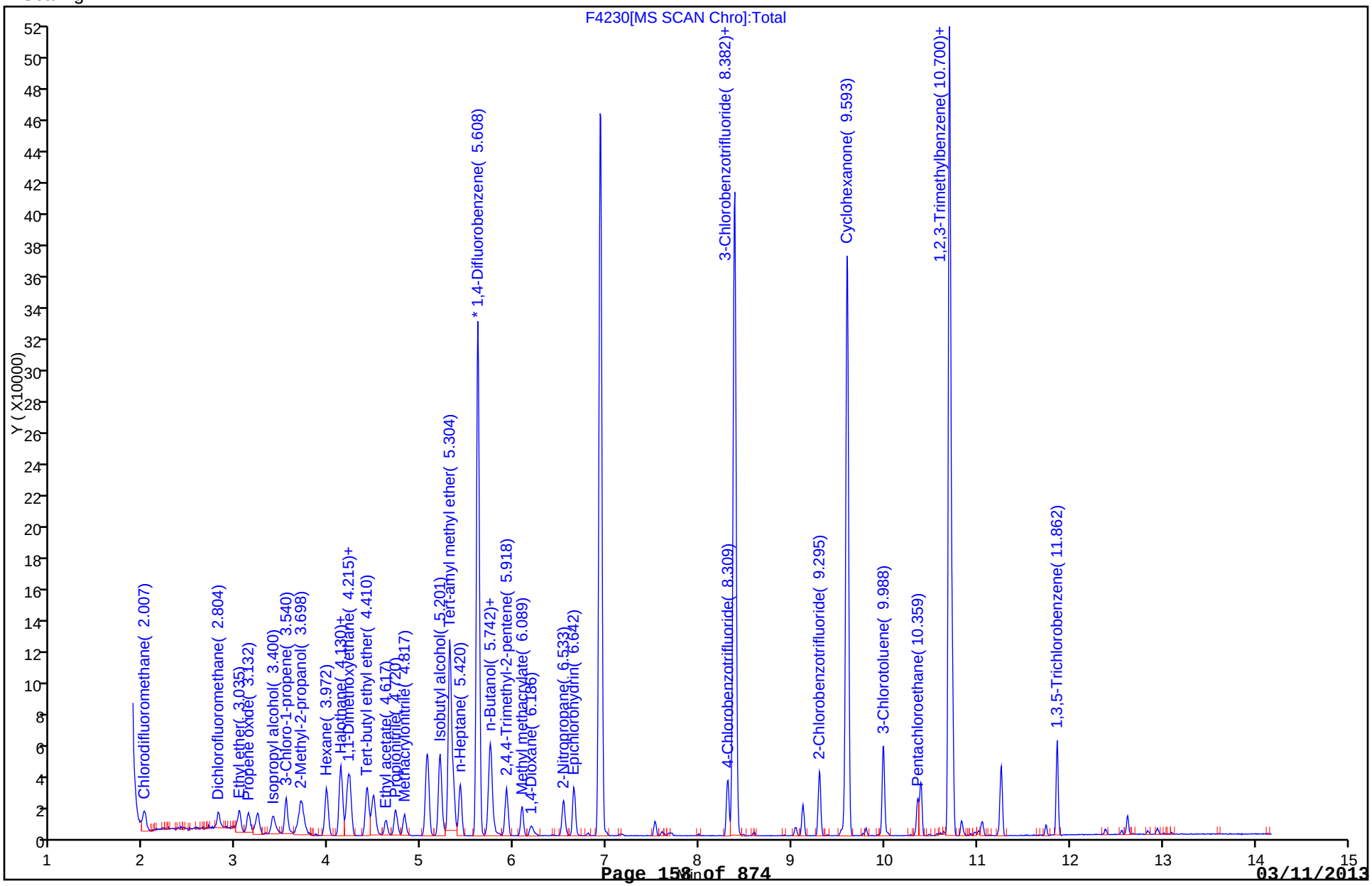
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
86 4-Chlorobenzotrifluoride	180	8.309	8.309	0.0	50	21008	0	
85 3-Chlorobenzotrifluoride	180	8.364	8.364	0.0	59	20537	0	
93 2-Chlorobenzotrifluoride	180	9.301	9.295	0.006	68	21792	0	
96 Cyclohexanone	55	9.581	9.581	0.0	89	28812	0	
104 3-Chlorotoluene	126	9.988	9.989	0.0	88	18160	0	
108 Pentachloroethane	167	10.359	10.360	-0.001	55	5991	0	
114 Dicyclopentadiene	66	10.712	10.719	-0.007	81	58450	0	
112 1,2,3-Trimethylbenzene	105	10.731	10.731	0.0	63	55419	0	
118 1,3,5-Trichlorobenzene	180	11.862	11.862	0.0	85	22935	0	

Report Date: 11-Dec-2012 22:41:25 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973F\20121211-17433.b\F4230.D		
Injection Date:	11-Dec-2012 19:15:30	Limit Group:	MV - 8260MCP_RCP
Client ID:		Instrument ID:	HP5973F
Lims Batch ID:	95189	Lims Sample ID:	11
Operator ID:	Jmb	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:



TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973F\20121211-17433.b\F4232.D		
Lims ID:	STD11	Client ID:	
Inject. Date:	11-Dec-2012 20:07:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	STD11		
Misc. Info.:	480-0017433-013 =480-0017433-013		
Operator:	Jmb	Instrument ID:	HP5973F
Purge Vol:	5.000 mL	ALS Bottle#:	13
Lims Batch ID:	95189	Lims Sample ID:	13
Sublist:	chrom-F-8260 SOIL*sub15		
Detector:	MS SCAN		

Method:	\\Bufchrom\ChromData\HP5973F\20121211-17433.b\F-8260 SOIL.m		
Last Update:	11-Dec-2012 22:42:28	Calib Date:	11-Dec-2012 21:23:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973F\20121211-17433.b\F4235.D		
Limit Group:	MV - 8260MCP_RCP		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	ZB-624	Column Dia:	0.25 mm
Process Host:	XAWRK007		

First Level Reviewer: cwiklinc Date: 11-Dec-2012 22:42:28

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.608	5.608	0.0	93	351066	50.0	
* 2 Chlorobenzene-d5	82	8.382	8.382	0.0	82	150777	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.700	10.700	0.0	93	163656	50.0	
11 Chlorodifluoromethane	51	2.013	2.013	0.0	72	49819	0	
16 Dichlorofluoromethane	67	2.804	2.810	-0.006	81	59226	0	
18 Ethyl ether	59	3.029	3.035	-0.006	91	41272	19.4	
19 Propene oxide	58	3.126	3.132	-0.006	93	75551	0	
24 Isopropyl alcohol	45	3.394	3.394	0.0	99	124676	0	
28 3-Chloro-1-propene	41	3.534	3.540	-0.006	89	83375	18.1	
31 2-Methyl-2-propanol	59	3.698	3.698	0.0	98	204745	408.0	
35 Hexane	57	3.972	3.972	0.0	91	81949	0	
134 Halothane	117	4.124	4.130	-0.006	0	29221	20.3	
36 Isopropyl ether	45	4.124	4.130	-0.006	94	173380	19.9	
38 1,1-Dimethoxyethane	75	4.197	4.203	-0.006	94	70609	0	
40 2-Chloro-1,3-butadiene	53	4.227	4.227	0.0	87	70814	0	
41 Tert-butyl ethyl ether	59	4.410	4.416	-0.006	97	163015	20.1	
42 Ethyl acetate	43	4.611	4.611	0.0	95	65009	0	
46 Propionitrile	54	4.720	4.720	0.0	97	105946	204.6	
47 Methacrylonitrile	41	4.817	4.817	0.0	90	39182	0	
53 Isobutyl alcohol	43	5.195	5.195	0.0	94	193556	0	
56 Tert-amyl methyl ether	73	5.341	5.347	-0.006	97	141274	19.9	
59 n-Heptane	43	5.420	5.420	0.0	92	86295	20.3	
136 2,4,4-Trimethyl-1-pentene	55	5.736	5.742	-0.006	0	56183	21.9	
60 n-Butanol	56	5.748	5.742	0.006	89	150659	0	
135 2,4,4-Trimethyl-2-pentene	97	5.919	5.919	-0.001	0	125383	23.1	
63 Methyl methacrylate	41	6.083	6.083	0.0	90	52512	20.2	
66 1,4-Dioxane	88	6.180	6.180	0.0	87	37449	823.9	
70 2-Nitropropane	43	6.533	6.533	0.0	97	88379	100.8	
71 Epichlorohydrin	57	6.642	6.643	-0.001	97	158268	0	

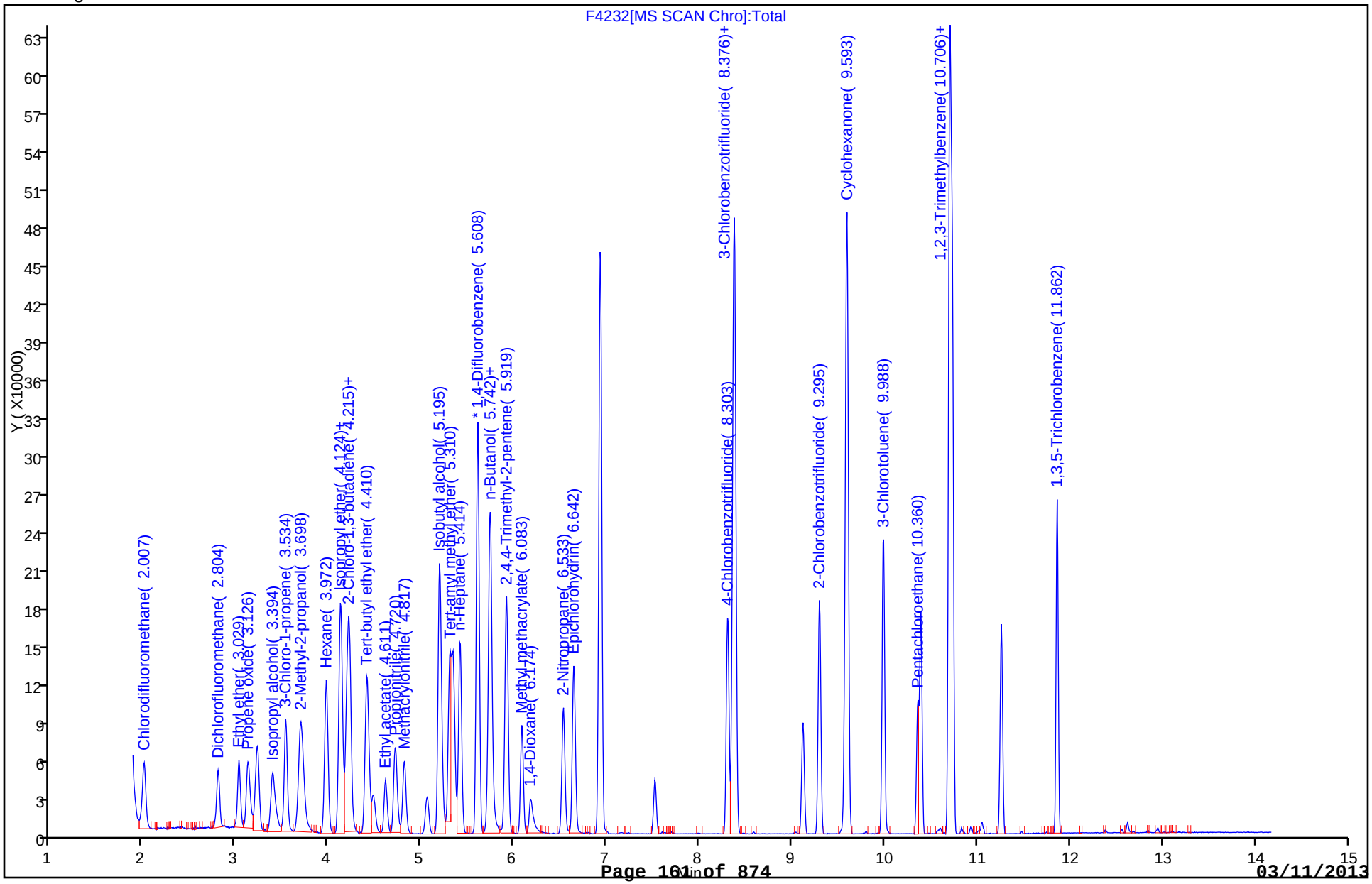
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
86 4-Chlorobenzotrifluoride	180	8.303	8.309	-0.006	87	87432	0	
85 3-Chlorobenzotrifluoride	180	8.364	8.364	0.0	88	86473	0	
93 2-Chlorobenzotrifluoride	180	9.295	9.295	0.0	95	89381	0	
96 Cyclohexanone	55	9.581	9.581	0.0	92	118040	0	
104 3-Chlorotoluene	126	9.988	9.989	0.0	94	69494	0	
108 Pentachloroethane	167	10.360	10.360	0.0	75	22961	0	
114 Dicyclopentadiene	66	10.718	10.719	-0.001	95	229709	0	
112 1,2,3-Trimethylbenzene	105	10.731	10.731	0.0	79	220319	0	
118 1,3,5-Trichlorobenzene	180	11.862	11.862	0.0	97	95281	0	

Report Date: 11-Dec-2012 22:42:28 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973F\20121211-17433.b\F4232.D		
Injection Date:	11-Dec-2012 20:07:30	Limit Group:	MV - 8260MCP_RCP
Client ID:		Instrument ID:	HP5973F
Lims Batch ID:	95189	Lims Sample ID:	13
Operator ID:	Jmb	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:



TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973F\20121211-17433.b\F4233.D		
Lims ID:	STD12	Client ID:	
Inject. Date:	11-Dec-2012 20:32:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	STD12		
Misc. Info.:	480-0017433-014 =480-0017433-014		
Operator:	Jmb	Instrument ID:	HP5973F
Purge Vol:	5.000 mL	ALS Bottle#:	14
Lims Batch ID:	95189	Lims Sample ID:	14
Sublist:	chrom-F-8260 SOIL*sub15		
Detector:	MS SCAN		

Method:	\\Bufchrom\ChromData\HP5973F\20121211-17433.b\F-8260 SOIL.m		
Last Update:	11-Dec-2012 22:42:52	Calib Date:	11-Dec-2012 21:23:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973F\20121211-17433.b\F4235.D		
Limit Group:	MV - 8260MCP_RCP		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	ZB-624	Column Dia:	0.25 mm
Process Host:	XAWRK007		

First Level Reviewer: cwiklinc Date: 11-Dec-2012 22:42:52

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.608	5.608	0.0	93	347387	50.0	
* 2 Chlorobenzene-d5	82	8.382	8.382	0.0	82	151334	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.700	10.700	0.0	93	166037	50.0	
11 Chlorodifluoromethane	51	2.013	2.013	0.0	78	130787	0	
16 Dichlorofluoromethane	67	2.810	2.810	0.0	82	148525	0	
18 Ethyl ether	59	3.035	3.035	0.0	91	111099	52.9	
19 Propene oxide	58	3.132	3.132	0.0	94	189432	0	
24 Isopropyl alcohol	45	3.394	3.394	0.0	99	307619	0	
28 3-Chloro-1-propene	41	3.540	3.540	0.0	91	209623	50.8	
31 2-Methyl-2-propanol	59	3.698	3.698	0.0	98	511931	1031.1	
35 Hexane	57	3.972	3.972	0.0	91	212320	0	
134 Halothane	117	4.130	4.130	0.0	0	76536	53.6	
36 Isopropyl ether	45	4.130	4.130	0.0	94	441816	51.2	
38 1,1-Dimethoxyethane	75	4.203	4.203	0.0	94	181288	0	
40 2-Chloro-1,3-butadiene	53	4.227	4.227	0.0	89	186609	0	
41 Tert-butyl ethyl ether	59	4.416	4.416	0.0	97	406662	50.8	
42 Ethyl acetate	43	4.611	4.611	0.0	98	162860	0	
46 Propionitrile	54	4.720	4.720	0.0	99	267490	522.0	
47 Methacrylonitrile	41	4.817	4.817	0.0	92	98120	0	
53 Isobutyl alcohol	43	5.195	5.195	0.0	95	480986	0	
56 Tert-amyl methyl ether	73	5.347	5.347	0.0	98	364398	52.0	
59 n-Heptane	43	5.420	5.420	0.0	92	214165	50.9	
136 2,4,4-Trimethyl-1-pentene	55	5.742	5.742	0.0	0	144550	56.8	
60 n-Butanol	56	5.742	5.742	0.0	89	387690	0	
135 2,4,4-Trimethyl-2-pentene	97	5.919	5.919	0.0	0	277895	51.7	
63 Methyl methacrylate	41	6.083	6.083	0.0	90	132779	51.5	
66 1,4-Dioxane	88	6.180	6.180	0.0	90	93259	2044.2	
70 2-Nitropropane	43	6.533	6.533	0.0	98	236210	265.5	
71 Epichlorohydrin	57	6.643	6.643	0.0	98	395791	0	

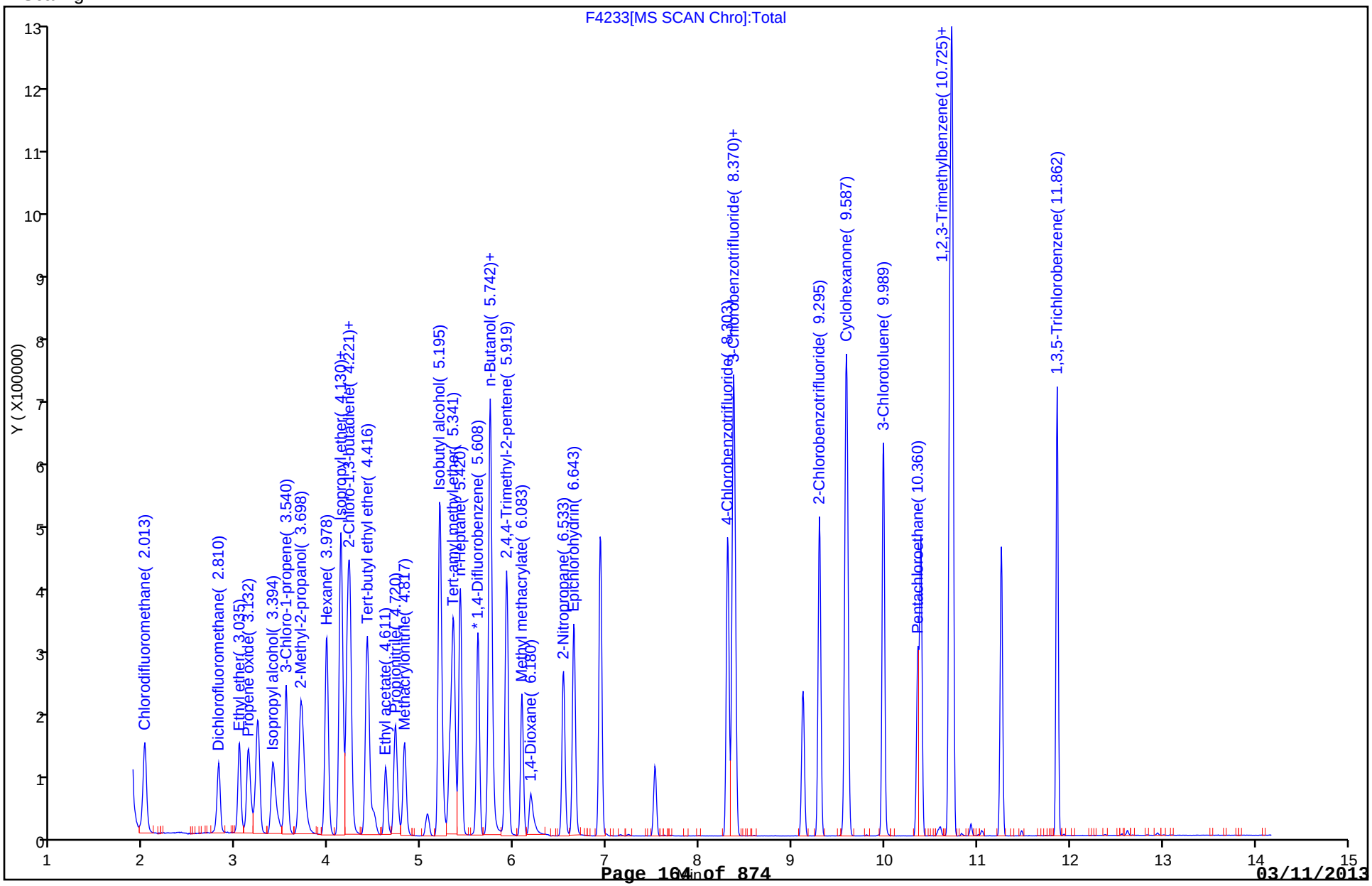
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
86 4-Chlorobenzotrifluoride	180	8.309	8.309	0.0	91	231467	0	
85 3-Chlorobenzotrifluoride	180	8.364	8.364	0.0	88	229144	0	
93 2-Chlorobenzotrifluoride	180	9.295	9.295	0.0	98	235170	0	
96 Cyclohexanone	55	9.581	9.581	0.0	92	300034	0	
104 3-Chlorotoluene	126	9.989	9.989	0.0	95	185345	0	
108 Pentachloroethane	167	10.360	10.360	0.0	84	62825	0	
114 Dicyclopentadiene	66	10.719	10.719	0.0	96	598005	0	
112 1,2,3-Trimethylbenzene	105	10.731	10.731	0.0	97	576101	0	
118 1,3,5-Trichlorobenzene	180	11.862	11.862	0.0	98	252874	0	

Report Date: 11-Dec-2012 22:42:53 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973F\20121211-17433.b\F4233.D		
Injection Date:	11-Dec-2012 20:32:30	Limit Group:	MV - 8260MCP_RCP
Client ID:		Instrument ID:	HP5973F
Lims Batch ID:	95189	Lims Sample ID:	14
Operator ID:	Jmb	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:



TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973F\20121211-17433.b\F4234.D		
Lims ID:	STD13	Client ID:	
Inject. Date:	11-Dec-2012 20:57:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	6
Sample ID:	STD13		
Misc. Info.:	480-0017433-015 =480-0017433-015		
Operator:	Jmb	Instrument ID:	HP5973F
Purge Vol:	5.000 mL	ALS Bottle#:	15
Lims Batch ID:	95189	Lims Sample ID:	15
Sublist:	chrom-F-8260 SOIL*sub15		
Detector:	MS SCAN		

Method:	\\Bufchrom\ChromData\HP5973F\20121211-17433.b\F-8260 SOIL.m		
Last Update:	11-Dec-2012 22:43:09	Calib Date:	11-Dec-2012 21:23:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973F\20121211-17433.b\F4235.D		
Limit Group:	MV - 8260MCP_RCP		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	ZB-624	Column Dia:	0.25 mm
Process Host:	XAWRK007		

First Level Reviewer: cwiklinc Date: 11-Dec-2012 22:43:09

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.608	5.608	0.0	93	382108	50.0	
* 2 Chlorobenzene-d5	82	8.382	8.382	0.0	81	166999	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.700	10.700	0.0	81	180455	50.0	
11 Chlorodifluoromethane	51	2.007	2.013	-0.006	78	296281	0	
16 Dichlorofluoromethane	67	2.804	2.810	-0.006	82	286697	0	
18 Ethyl ether	59	3.023	3.035	-0.012	91	211536	91.5	
19 Propene oxide	58	3.120	3.132	-0.012	95	366677	0	
24 Isopropyl alcohol	45	3.394	3.394	0.0	99	599019	0	
28 3-Chloro-1-propene	41	3.528	3.540	-0.012	92	428324	97.2	
31 2-Methyl-2-propanol	59	3.698	3.698	0.0	98	1004834	1839.9	
35 Hexane	57	3.972	3.972	0.0	92	433368	0	
134 Halothane	117	4.124	4.130	-0.006	0	152642	97.3	
36 Isopropyl ether	45	4.124	4.130	-0.006	94	898966	94.6	
38 1,1-Dimethoxyethane	75	4.197	4.203	-0.006	95	370665	0	
40 2-Chloro-1,3-butadiene	53	4.221	4.227	-0.006	87	395903	0	
41 Tert-butyl ethyl ether	59	4.410	4.416	-0.006	97	799155	90.7	
42 Ethyl acetate	43	4.611	4.611	-0.001	99	330848	0	
46 Propionitrile	54	4.714	4.720	-0.006	99	542501	962.5	
47 Methacrylonitrile	41	4.811	4.817	-0.006	92	198145	0	
53 Isobutyl alcohol	43	5.195	5.195	0.0	95	955029	0	
56 Tert-amyl methyl ether	73	5.341	5.347	-0.006	98	728406	94.4	
59 n-Heptane	43	5.414	5.420	-0.006	92	452341	97.7	
136 2,4,4-Trimethyl-1-pentene	55	5.742	5.742	0.0	0	302668	108.2	
60 n-Butanol	56	5.742	5.742	0.0	87	775121	0	
135 2,4,4-Trimethyl-2-pentene	97	5.918	5.919	-0.001	0	585052	99.0	
63 Methyl methacrylate	41	6.083	6.083	0.0	90	266118	93.9	
66 1,4-Dioxane	88	6.174	6.180	-0.006	90	189764	3769.4	
70 2-Nitropropane	43	6.533	6.533	0.0	97	492012	508.9	
71 Epichlorohydrin	57	6.642	6.643	-0.001	98	795005	0	

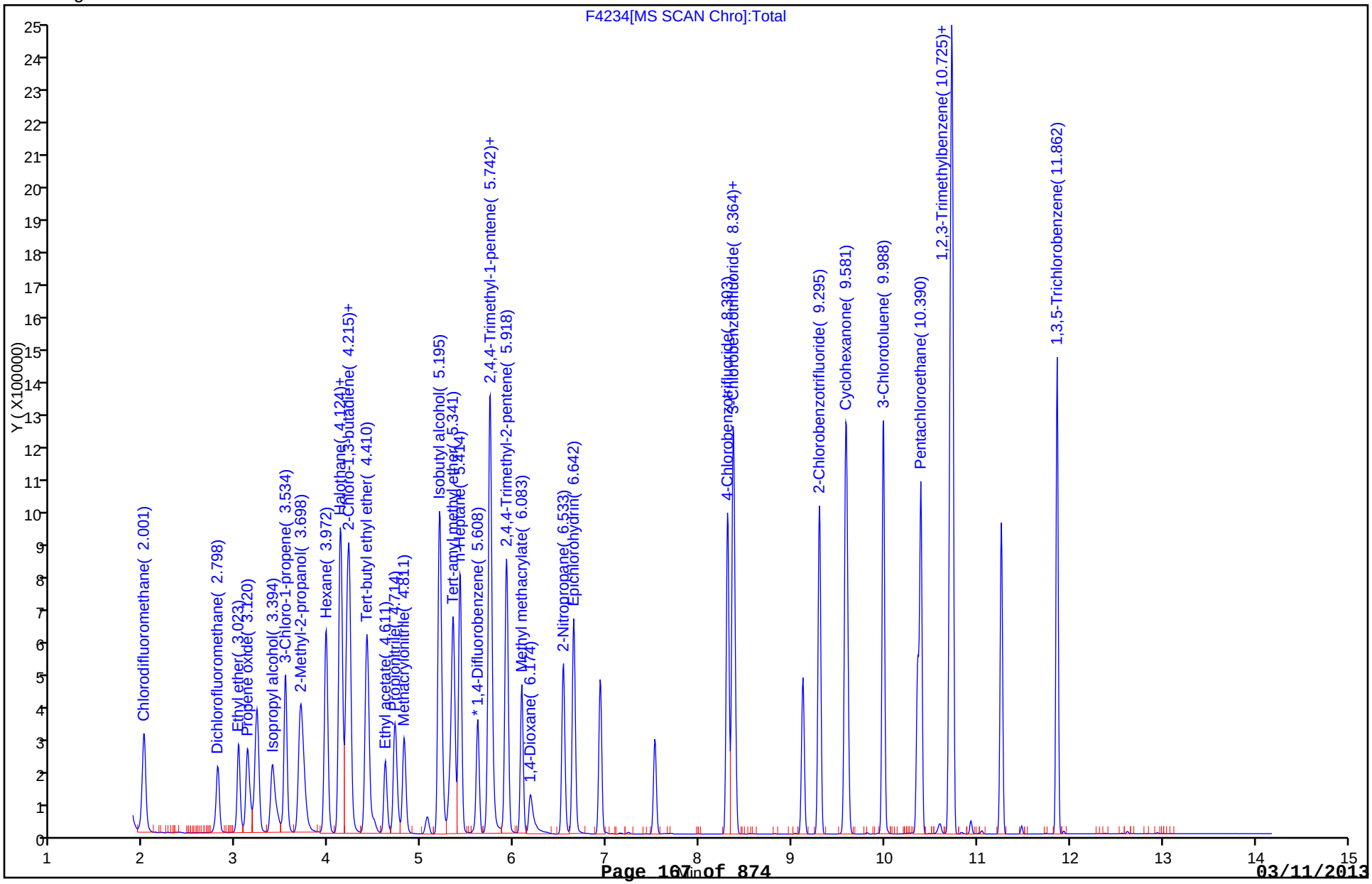
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
86 4-Chlorobenzotrifluoride	180	8.303	8.309	-0.006	92	489158	0	
85 3-Chlorobenzotrifluoride	180	8.364	8.364	0.0	91	474682	0	
93 2-Chlorobenzotrifluoride	180	9.295	9.295	0.0	97	486011	0	
96 Cyclohexanone	55	9.581	9.581	0.0	91	625245	0	
104 3-Chlorotoluene	126	9.988	9.989	0.0	95	383104	0	
108 Pentachloroethane	167	10.359	10.360	-0.001	88	119198	0	
114 Dicyclopentadiene	66	10.712	10.719	-0.007	96	1212233	0	
112 1,2,3-Trimethylbenzene	105	10.731	10.731	0.0	97	1151901	0	
118 1,3,5-Trichlorobenzene	180	11.862	11.862	0.0	94	527952	0	

Report Date: 11-Dec-2012 22:43:09 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973F\20121211-17433.b\F4234.D		
Injection Date:	11-Dec-2012 20:57:30	Limit Group:	MV - 8260MCP_RCP
Client ID:		Instrument ID:	HP5973F
Lims Batch ID:	95189	Lims Sample ID:	15
Operator ID:	Jmb	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:



TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973F\20121211-17433.b\F4235.D		
Lims ID:	STD14	Client ID:	
Inject. Date:	11-Dec-2012 21:23:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	7
Sample ID:	STD14		
Misc. Info.:	480-0017433-016 =480-0017433-016		
Operator:	Jmb	Instrument ID:	HP5973F
Purge Vol:	5.000 mL	ALS Bottle#:	16
Lims Batch ID:	95189	Lims Sample ID:	16
Sublist:	chrom-F-8260 SOIL*sub15		
Detector:	MS SCAN		

Method:	\\Bufchrom\ChromData\HP5973F\20121211-17433.b\F-8260 SOIL.m		
Last Update:	11-Dec-2012 22:43:27	Calib Date:	11-Dec-2012 21:23:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973F\20121211-17433.b\F4235.D		
Limit Group:	MV - 8260MCP_RCP		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	ZB-624	Column Dia:	0.25 mm
Process Host:	XAWRK007		

First Level Reviewer: cwiklinc Date: 11-Dec-2012 22:43:27

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.608	5.608	0.0	92	359023	50.0	
* 2 Chlorobenzene-d5	82	8.382	8.382	0.0	80	156508	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.700	10.700	0.0	74	170655	50.0	
11 Chlorodifluoromethane	51	2.013	2.013	0.0	79	579717	0	
16 Dichlorofluoromethane	67	2.798	2.810	-0.012	83	509616	0	
18 Ethyl ether	59	3.023	3.035	-0.012	91	407331	187.5	
19 Propene oxide	58	3.120	3.132	-0.012	96	670383	0	
24 Isopropyl alcohol	45	3.394	3.394	0.0	99	1115538	0	
28 3-Chloro-1-propene	41	3.528	3.540	-0.012	92	833905	204.8	
31 2-Methyl-2-propanol	59	3.698	3.698	0.0	98	1854046	3613.1	
35 Hexane	57	3.972	3.972	0.0	91	741668	0	
134 Halothane	117	4.124	4.130	-0.006	0	315729	214.1	
36 Isopropyl ether	45	4.130	4.130	0.0	95	1730032	193.8	
38 1,1-Dimethoxyethane	75	4.197	4.203	-0.006	93	711753	0	
40 2-Chloro-1,3-butadiene	53	4.221	4.227	-0.006	87	759101	0	
41 Tert-butyl ethyl ether	59	4.410	4.416	-0.006	97	1589261	191.9	
42 Ethyl acetate	43	4.611	4.611	0.0	99	629625	0	
46 Propionitrile	54	4.714	4.720	-0.006	99	1020754	1927.4	
47 Methacrylonitrile	41	4.811	4.817	-0.006	92	381964	0	
53 Isobutyl alcohol	43	5.195	5.195	0.0	95	1711672	0	
56 Tert-amyl methyl ether	73	5.341	5.347	-0.006	98	1450064	200.1	
59 n-Heptane	43	5.414	5.420	-0.006	91	779322	179.1	
136 2,4,4-Trimethyl-1-pentene	55	5.742	5.742	0.0	0	224122	85.2	
60 n-Butanol	56	5.742	5.742	0.0	86	1210146	0	
135 2,4,4-Trimethyl-2-pentene	97	5.919	5.919	0.0	0	1178831	212.3	
63 Methyl methacrylate	41	6.083	6.083	0.0	89	519097	194.9	
66 1,4-Dioxane	88	6.174	6.180	-0.006	91	358550	7599.6	
70 2-Nitropropane	43	6.533	6.533	0.0	96	940308	1028.4	
71 Epichlorohydrin	57	6.643	6.643	0.0	98	1462893	0	

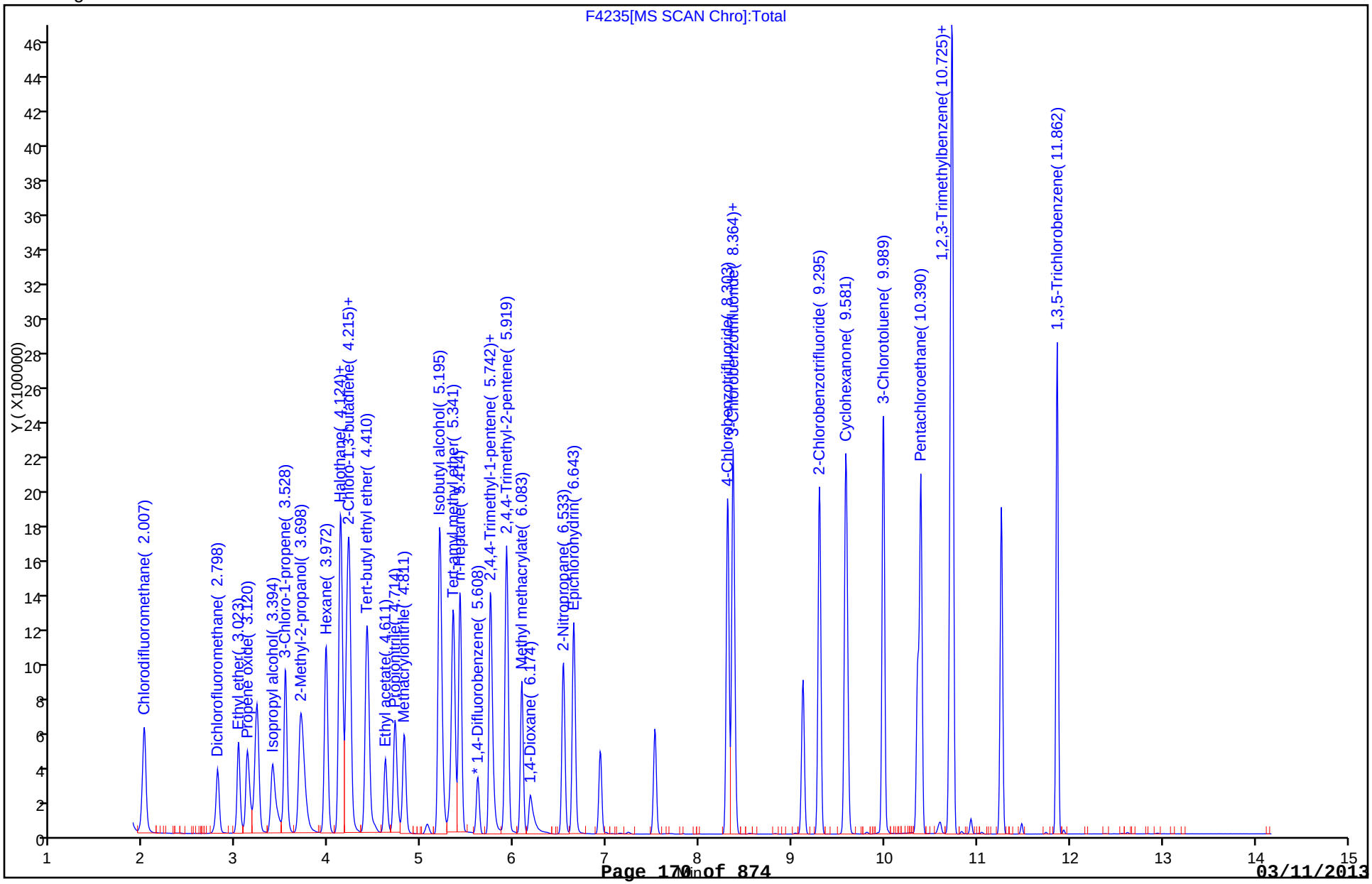
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
86 4-Chlorobenzotrifluoride	180	8.303	8.309	-0.006	92	964928	0	
85 3-Chlorobenzotrifluoride	180	8.364	8.364	0.0	92	943913	0	
93 2-Chlorobenzotrifluoride	180	9.295	9.295	0.0	97	965351	0	
96 Cyclohexanone	55	9.581	9.581	0.0	90	1154228	0	
104 3-Chlorotoluene	126	9.989	9.989	0.001	94	755256	0	
108 Pentachloroethane	167	10.360	10.360	0.0	88	234604	0	
114 Dicyclopentadiene	66	10.712	10.719	-0.007	96	2302638	0	
112 1,2,3-Trimethylbenzene	105	10.731	10.731	0.0	97	2231642	0	
118 1,3,5-Trichlorobenzene	180	11.862	11.862	0.0	97	1054106	0	

Report Date: 11-Dec-2012 22:43:27 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973F\20121211-17433.b\F4235.D		
Injection Date:	11-Dec-2012 21:23:30	Limit Group:	MV - 8260MCP_RCP
Client ID:		Instrument ID:	HP5973F
Lims Batch ID:	95189	Lims Sample ID:	16
Operator ID:	Jmb	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:



TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973F\20121211-17433.b\F4239.D		
Lims ID:	STD10	Client ID:	
Inject. Date:	11-Dec-2012 23:36:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	3
Sample ID:	STD10		
Misc. Info.:	480-0017433-020 =480-0017433-020		
Operator:	Jmb	Instrument ID:	HP5973F
Purge Vol:	5.000 mL	ALS Bottle#:	20
Lims Batch ID:	95189	Lims Sample ID:	20
Sublist:	chrom-F-8260 SOIL*sub15		
Detector:	MS SCAN		

Method:	\\Bufchrom\ChromData\HP5973F\20121211-17433.b\F-8260 SOIL.m		
Last Update:	11-Dec-2012 23:46:45	Calib Date:	11-Dec-2012 23:36:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973F\20121211-17433.b\F4239.D		
Limit Group:	MV - 8260MCP_RCP		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	ZB-624	Column Dia:	0.25 mm
Process Host:	XAWRK007		

First Level Reviewer: cwiklinc Date: 11-Dec-2012 23:46:45

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.608	5.608	0.0	93	352608	50.0	
* 2 Chlorobenzene-d5	82	8.382	8.382	0.0	81	151525	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.700	10.700	0.0	92	164630	50.0	
11 Chlorodifluoromethane	51	2.013	2.013	0.0	86	32810	0	
16 Dichlorofluoromethane	67	2.804	2.810	-0.006	77	38533	0	
18 Ethyl ether	59	3.023	3.035	-0.012	82	25292	11.7	
19 Propene oxide	58	3.126	3.132	-0.006	85	41488	0	
24 Isopropyl alcohol	45	3.394	3.394	0.0	96	68652	0	
28 3-Chloro-1-propene	41	3.534	3.540	-0.006	86	52914	10.1	
31 2-Methyl-2-propanol	59	3.692	3.698	-0.006	98	113887	224.7	
35 Hexane	57	3.972	3.972	0.0	90	53997	0	
134 Halothane	117	4.130	4.130	0.0	0	16523	11.2	
36 Isopropyl ether	45	4.124	4.130	-0.006	93	96345	11.0	
38 1,1-Dimethoxyethane	75	4.203	4.203	0.0	94	38392	0	
40 2-Chloro-1,3-butadiene	53	4.227	4.227	0.0	79	46298	0	
41 Tert-butyl ethyl ether	59	4.416	4.416	0.0	97	87637	10.8	
42 Ethyl acetate	43	4.610	4.611	-0.001	94	36351	0	
46 Propionitrile	54	4.720	4.720	0.0	96	58478	111.8	
47 Methacrylonitrile	41	4.811	4.817	-0.006	79	21134	0	
53 Isobutyl alcohol	43	5.194	5.195	-0.001	94	108015	0	
56 Tert-amyl methyl ether	73	5.340	5.347	-0.007	96	76408	10.7	
59 n-Heptane	43	5.419	5.420	-0.001	92	57815	13.2	
136 2,4,4-Trimethyl-1-pentene	55	5.736	5.742	-0.006	0	32977	12.6	
60 n-Butanol	56	5.742	5.742	0.0	87	86949	0	
135 2,4,4-Trimethyl-2-pentene	97	5.918	5.919	-0.001	0	68049	12.2	
63 Methyl methacrylate	41	6.083	6.083	0.0	83	28357	10.8	
66 1,4-Dioxane	88	6.180	6.180	0.0	82	19590	430.9	
70 2-Nitropropane	43	6.533	6.533	0.0	99	43767	50.0	
71 Epichlorohydrin	57	6.642	6.643	-0.001	97	88003	0	

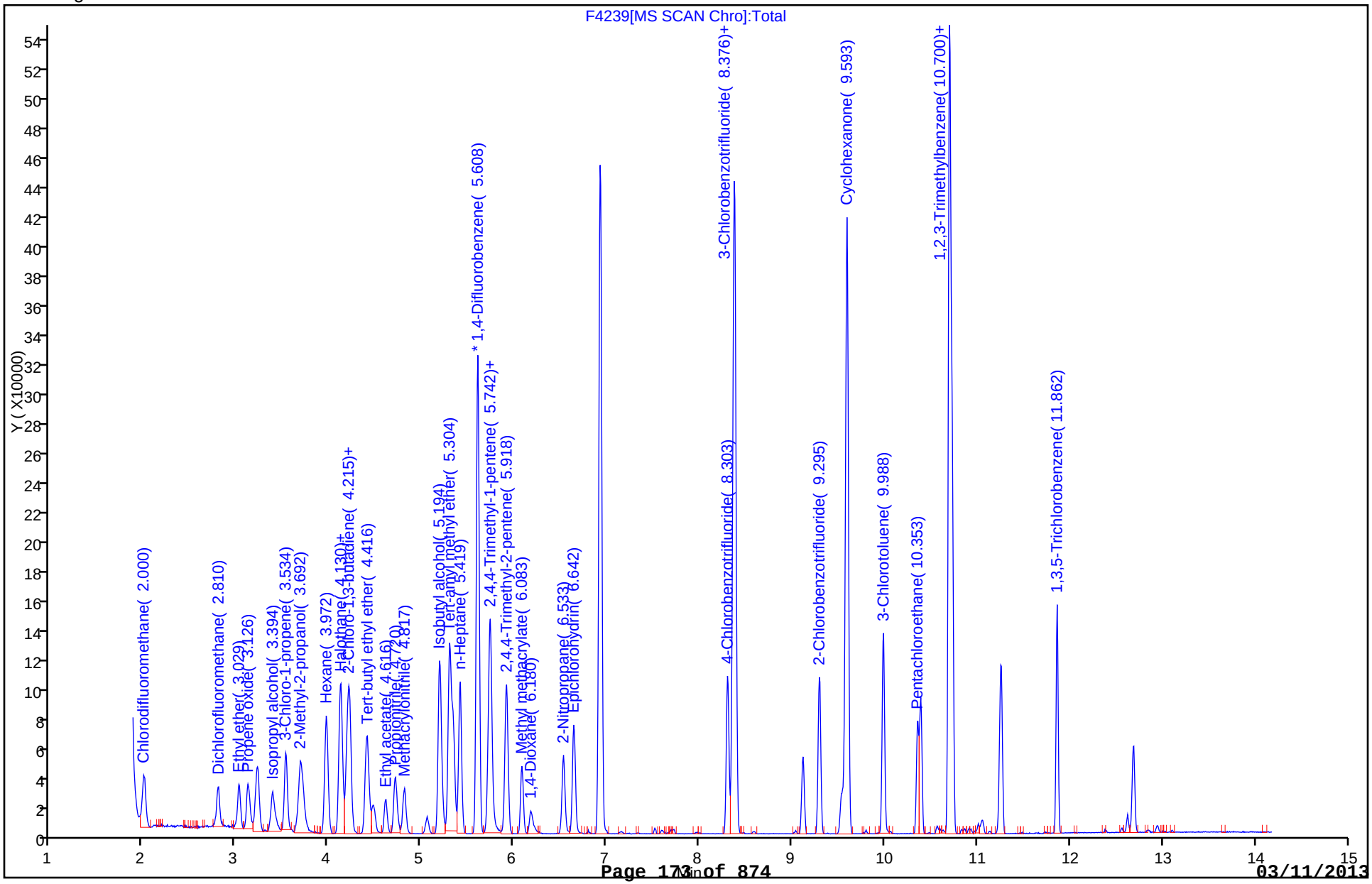
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
86 4-Chlorobenzotrifluoride	180	8.303	8.309	-0.006	83	55096	0	
85 3-Chlorobenzotrifluoride	180	8.364	8.364	0.0	74	54628	0	
93 2-Chlorobenzotrifluoride	180	9.301	9.295	0.006	93	53201	0	
96 Cyclohexanone	55	9.581	9.581	0.0	89	70159	0	
104 3-Chlorotoluene	126	9.988	9.989	0.0	93	41081	0	
108 Pentachloroethane	167	10.359	10.360	-0.001	71	17692	0	
114 Dicyclopentadiene	66	10.718	10.719	-0.001	94	136222	0	
112 1,2,3-Trimethylbenzene	105	10.730	10.731	-0.001	73	124509	0	
118 1,3,5-Trichlorobenzene	180	11.862	11.862	0.0	96	55859	0	

Report Date: 11-Dec-2012 23:46:45 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973F\20121211-17433.b\F4239.D		
Injection Date:	11-Dec-2012 23:36:30	Limit Group:	MV - 8260MCP_RCP
Client ID:		Instrument ID:	HP5973F
Lims Batch ID:	95189	Lims Sample ID:	20
Operator ID:	Jmb	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:



FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-30346-1 Analy Batch No.: 96157

SDG No.:

Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/17/2012 13:05 Calibration End Date: 12/17/2012 14:47 Calibration ID: 11625

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 480-96157/3	F4390.D
Level 2	STD2 480-96157/4	F4391.D
Level 3	STD3 480-96157/5	F4392.D
Level 4	STD4 480-96157/6	F4393.D
Level 5	STD5 480-96157/7	F4394.D
Level 6	STD6 480-96157/8	F4395.D
Level 7	STD7 480-96157/12	F4396.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	0.1713 0.2506	0.1146 0.2384	0.2357	0.2634	0.2324	Lin1	-0.263	0.2447			0.1000				0.9960		0.9900
Chloromethane	0.2390 0.2582	0.2053 0.2549	0.2577	0.2746	0.2643	Ave		0.2506			0.0500	9.0		15.0			
Vinyl chloride	0.2093 0.2581	0.1625 0.2527	0.2497	0.2698	0.2559	Lin1	-0.181	0.2571			0.1000				0.9980		0.9900
Bromomethane	0.0667 0.0915	0.0688 0.1120	0.0900	0.0966	0.0868	Lin	-0.514	0.1105			0.0500				0.9910		0.9900
Chloroethane	0.0610 0.0925	0.0721 0.1094	0.0901	0.0977	0.0894	Ave		0.0875		*	0.1000	18.0	*	15.0			
Trichlorofluoromethane	0.2509 0.3315	0.1755 0.3423	0.3158	0.3493	0.3111	Lin1	-0.380	0.3393			0.1000				0.9970		0.9900
Acrolein	0.0513 0.0566	0.0492 0.0486	0.0537	0.0559	0.0545	Ave		0.0528				6.0		15.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	0.2064 0.3044	0.1743 0.2974	0.2706	0.3195	0.2696	Lin1	-0.327	0.2998			0.1000				0.9970		0.9900
1,1-Dichloroethene	0.2571 0.3045	0.1962 0.2988	0.2999	0.3207	0.2998	Ave		0.2824			0.1000	15.0		15.0			
Acetone	0.1295 0.1288	0.1145 0.1062	0.1213	0.1215	0.1241	Ave		0.1208			0.0500	6.8		15.0			
Iodomethane	0.3998 0.4829	0.4126 0.4674	0.4569	0.5038	0.4747	Ave		0.4569				8.3		15.0			
Carbon disulfide	0.6989 0.9412	0.6076 0.9354	0.8114	0.9113	0.8881	Lin1	-0.988	0.9384			0.1000				0.9990		0.9900
Methyl acetate	0.4165 0.4324	0.3666 0.3626	0.4074	0.4174	0.4040	Ave		0.4010			0.1000	6.6		15.0			
Acetonitrile	0.0302 0.0300	0.0262 0.0251	0.0285	0.0289	0.0289	Ave		0.0283				6.8		15.0			

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

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-30346-1 Analy Batch No.: 96157

SDG No.:

Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/17/2012 13:05 Calibration End Date: 12/17/2012 14:47 Calibration ID: 11625

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Methylene Chloride	0.3524 0.3431	0.3291 0.3316	0.3550	0.3699	0.3489	Ave		0.3471			0.1000	4.1		15.0			
Methyl tert-butyl ether	0.8030 0.9279	0.8123 0.8522	0.8634	0.9256	0.8973	Ave		0.8688			0.1000	5.8		15.0			
trans-1,2-Dichloroethene	0.3107 0.3523	0.2750 0.3418	0.3569	0.3728	0.3564	Ave		0.3380			0.1000	10.0		15.0			
Acrylonitrile	0.1524 0.1667	0.1380 0.1395	0.1527	0.1573	0.1578	Ave		0.1521				6.7		15.0			
Vinyl acetate	0.5660 0.6503	0.5883 0.5536	0.6521	0.6802	0.6524	Ave		0.6204				8.0		15.0			
1,1-Dichloroethane	0.4988 0.5418	0.4787 0.5246	0.5744	0.5830	0.5553	Ave		0.5367			0.2000	7.2		15.0			
2-Butanone (MEK)	0.2003 0.2152	0.1806 0.1719	0.1943	0.1989	0.2032	Ave		0.1949			0.0500	7.4		15.0			
2,2-Dichloropropane	0.3085 0.4237	0.2792 0.4200	0.3968	0.4288	0.4205	Lin1	-0.381	0.4252							0.9990		0.9900
cis-1,2-Dichloroethene	0.3418 0.3805	0.3264 0.3655	0.3848	0.4076	0.3862	Ave		0.3704			0.1000	7.6		15.0			
Chlorobromomethane	0.1693 0.2008	0.1609 0.1929	0.2016	0.2067	0.2032	Ave		0.1908				9.5		15.0			
Tetrahydrofuran	0.1313 0.1419	0.1171 0.1136	0.1283	0.1310	0.1341	Ave		0.1282				7.6		15.0			
Chloroform	0.4955 0.5382	0.4498 0.5242	0.5368	0.5655	0.5456	Ave		0.5222			0.2000	7.4		15.0			
1,1,1-Trichloroethane	0.3506 0.4724	0.2912 0.4724	0.4287	0.4767	0.4624	Lin1	-0.478	0.4757			0.1000				0.9990		0.9900
Cyclohexane	0.4512 0.5922	0.3802 0.5717	0.5446	0.6133	0.5443	Lin1	-0.462	0.5800			0.1000				0.9980		0.9900
1,1-Dichloropropene	0.3644 0.4354	0.3071 0.4230	0.4401	0.4502	0.4289	Ave		0.4070				13.0		15.0			
Carbon tetrachloride	0.2422 0.4056	0.2019 0.4238	0.3165	0.3652	0.3749	Lin1	-0.745	0.4164			0.1000				0.9980		0.9900
Benzene	1.2293 1.2948	1.1182 1.2396	1.3486	1.3907	1.3199	Ave		1.2773			0.5000	7.1		15.0			
1,2-Dichloroethane	0.3816 0.4057	0.3590 0.3840	0.4204	0.4247	0.4062	Ave		0.3974			0.1000	5.9		15.0			
Trichloroethene	0.3031 0.3564	0.2737 0.3494	0.3507	0.3656	0.3542	Ave		0.3361			0.2000	10.0		15.0			
Methylcyclohexane	0.4549 0.6282	0.3700 0.6078	0.5615	0.6443	0.5593	Lin1	-0.605	0.6144			0.1000				0.9980		0.9900

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

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-30346-1 Analy Batch No.: 96157

SDG No.:

Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/17/2012 13:05 Calibration End Date: 12/17/2012 14:47 Calibration ID: 11625

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,2-Dichloropropane	0.2697 0.3260	0.2702 0.3166	0.3229	0.3327	0.3247	Ave		0.3090			0.1000	8.8		15.0			
Dibromomethane	0.1432 0.1991	0.1672 0.1900	0.1809	0.1929	0.1942	Ave		0.1811				11.0		15.0			
Dichlorobromomethane	0.1557 0.3862	0.2391 0.3908	0.3019	0.3396	0.3639	Lin1	-0.709	0.3906			0.1000				0.9990		0.9900
2-Chloroethyl vinyl ether	0.1898 0.2346	0.1938 0.2032	0.2182	0.2302	0.2273	Ave		0.2139				8.5		15.0			
cis-1,3-Dichloropropene	0.3320 0.5006	0.3485 0.4936	0.4176	0.4684	0.4770	Lin1	-0.565	0.4973			0.2000				1.0000		0.9900
4-Methyl-2-pentanone (MIBK)	0.8655 0.9452	0.8148 0.7737	0.8798	0.9302	0.9157	Ave		0.8750			0.0500	7.2		15.0			
Toluene	1.9020 2.0282	1.7719 1.9918	2.1163	2.2205	2.0623	Ave		2.0133			0.4000	7.2		15.0			
Ethyl methacrylate	0.7654 1.0933	0.8088 0.9882	0.9252	1.0300	1.0316	Ave		0.9489				13.0		15.0			
trans-1,3-Dichloropropene	0.6813 1.0262	0.6835 1.0174	0.8532	0.9693	0.9974	Lin1	-1.213	1.0258			0.1000				1.0000		0.9900
1,1,2-Trichloroethane	0.4593 0.5713	0.4711 0.5501	0.5452	0.5739	0.5600	Ave		0.5330			0.1000	8.9		15.0			
Tetrachloroethene	0.8818 0.9794	0.7527 0.9670	1.0230	1.0407	0.9889	Ave		0.9476			0.1000	11.0		15.0			
1,3-Dichloropropane	1.0481 1.1271	1.0316 1.0614	1.1484	1.1942	1.1372	Ave		1.1068				5.5		15.0			
2-Hexanone	0.6221 0.7001	0.5630 0.5561	0.6237	0.6644	0.6639	Ave		0.6276			0.0500	8.5		15.0			
Chlorodibromomethane	0.3756 0.7749	0.4314 0.8054	0.5312	0.6130	0.6867	Lin1	-1.648	0.7874			0.1000				0.9960		0.9900
Ethylene Dibromide	0.6363 0.8054	0.6343 0.7734	0.7323	0.8080	0.7853	Ave		0.7393			0.1000	10.0		15.0			
Chlorobenzene	2.3366 2.4379	2.2164 2.3619	2.5397	2.6547	2.4883	Ave		2.4337			0.5000	5.9		15.0			
Ethylbenzene	3.3610 3.7164	3.1724 3.5614	3.8430	4.0695	3.8117	Ave		3.6479			0.1000	8.4		15.0			
1,1,1,2-Tetrachloroethane	0.5434 0.8207	0.5495 0.8220	0.6664	0.7577	0.7893	Lin1	-1.039	0.8236							0.9990		0.9900
m-Xylene & p-Xylene	1.4532 1.5615	1.3535 1.4836	1.6366	1.7227	1.6127	Ave		1.5463			0.1000	8.1		15.0			
o-Xylene	1.4226 1.5338	1.3201 1.4629	1.5615	1.6699	1.5652	Ave		1.5051			0.3000	7.6		15.0			

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

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-30346-1 Analy Batch No.: 96157

SDG No.:

Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/17/2012 13:05 Calibration End Date: 12/17/2012 14:47 Calibration ID: 11625

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Styrene	2.1024 2.5870	2.1257 2.4528	2.5271	2.7401	2.6215	Ave		2.4509			0.3000	10.0		15.0			
Bromoform	0.1764 0.5172	0.2051 0.5390	0.2739	0.3421	0.4277	Lin1	-1.498	0.5224			0.1000				0.9910		0.9900
Isopropylbenzene	3.1098 3.5148	2.8203 3.5620	3.6773	3.8237	3.5726	Ave		3.4400			0.1000	10.0		15.0			
1,1,2,2-Tetrachloroethane	0.7307 0.9211	0.7027 0.8858	0.8543	0.8812	0.9010	Ave		0.8396			0.3000	10.0		15.0			
Bromobenzene	0.8993 0.9994	0.8841 1.0012	1.0489	1.0719	1.0147	Ave		0.9885				7.2		15.0			
N-Propylbenzene	3.6639 3.9712	3.2757 3.7934	4.1951	4.3637	4.0841	Ave		3.9067				9.3		15.0			
trans-1,4-Dichloro-2-butene	0.1833 0.2405	0.1826 0.2129	0.2063	0.2263	0.2277	Ave		0.2114				11.0		15.0			
1,2,3-Trichloropropane	0.2736 0.2996	0.2581 0.2718	0.3056	0.2938	0.2964	Ave		0.2856				6.2		15.0			
2-Chlorotoluene	0.8524 0.9567	0.8015 0.9601	0.9925	1.0143	0.9643	Ave		0.9345				8.3		15.0			
1,3,5-Trimethylbenzene	2.6657 2.9695	2.4899 2.9253	3.0648	3.1922	3.0178	Ave		2.9036				8.4		15.0			
4-Chlorotoluene	0.8756 0.9763	0.8321 0.9833	1.0039	1.0693	1.0005	Ave		0.9630				8.5		15.0			
tert-Butylbenzene	0.6392 0.7486	0.5945 0.7490	0.7677	0.7946	0.7515	Ave		0.7207				10.0		15.0			
1,2,4-Trimethylbenzene	2.6229 2.9483	2.5112 2.8761	3.0513	3.1721	2.9932	Ave		2.8822				8.2		15.0			
sec-Butylbenzene	3.4596 3.8318	2.9397 3.7126	3.9885	4.1603	3.8893	Ave		3.7117				11.0		15.0			
4-Isopropyltoluene	3.0513 3.5053	2.7595 3.3816	3.5680	3.7816	3.5294	Ave		3.3681				10.0		15.0			
1,3-Dichlorobenzene	1.7858 1.8796	1.7127 1.8382	1.9957	2.0524	1.9079	Ave		1.8818			0.6000	6.2		15.0			
1,4-Dichlorobenzene	1.9281 1.9113	1.7911 1.8374	2.0450	2.0644	1.9160	Ave		1.9276			0.5000	5.2		15.0			
n-Butylbenzene	2.4837 2.7869	2.1415 2.6533	2.7840	2.9721	2.8151	Ave		2.6624				10.0		15.0			
1,2-Dichlorobenzene	1.7415 1.8027	1.6722 1.7257	1.8720	1.9252	1.8130	Ave		1.7932			0.4000	4.9		15.0			
1,2-Dibromo-3-Chloropropane	0.0651 0.1625	0.0423 0.1419	0.0989	0.1160	0.1382	Lin1	-0.353	0.1489			0.0500				0.9920		0.9900

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

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-30346-1 Analy Batch No.: 96157

SDG No.:

Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/17/2012 13:05 Calibration End Date: 12/17/2012 14:47 Calibration ID: 11625

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,2,4-Trichlorobenzene	1.0472 1.2002	0.9557 1.0056	1.1246	1.2272	1.1651	Ave		1.1037			0.2000	9.3		15.0			
Hexachlorobutadiene	0.5777 0.6222	0.4405 0.5411	0.6095	0.6632	0.6147	Ave		0.5813				13.0		15.0			
Naphthalene	3.1251 3.2548	2.5556 2.5085	2.9197	3.0984	3.0985	Ave		2.9372				10.0		15.0			
1,2,3-Trichlorobenzene	0.9338 1.0772	0.8292 0.8271	0.9966	1.0983	1.0636	Ave		0.9751				12.0		15.0			
1,2-Dichloroethane-d4 (Surr)	 0.1648	0.1627 0.1554	0.1722	0.1775	0.1565	Ave		0.1649				5.3		15.0			
Toluene-d8 (Surr)	 2.7889	2.8786 2.7365	2.9836	3.1457	2.8182	Ave		2.8919				5.2		15.0			
4-Bromofluorobenzene (Surr)	 0.9549	1.0441 0.9160	1.0368	1.0858	0.9348	Ave		0.9954				6.9		15.0			

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

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-30346-1 Analy Batch No.: 96157

SDG No.:

Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/17/2012 13:05 Calibration End Date: 12/17/2012 14:47 Calibration ID: 11625

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 480-96157/3	F4390.D
Level 2	STD2 480-96157/4	F4391.D
Level 3	STD3 480-96157/5	F4392.D
Level 4	STD4 480-96157/6	F4393.D
Level 5	STD5 480-96157/7	F4394.D
Level 6	STD6 480-96157/8	F4395.D
Level 7	STD7 480-96157/12	F4396.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/KG)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	DFB	Lin1	3444 193635	4527 379204	17796	38802	87277	2.50 100	5.00 200	10.0	20.0	50.0
Chloromethane	DFB	Ave	4805 199464	8105 405438	19455	40456	99266	2.50 100	5.00 200	10.0	20.0	50.0
Vinyl chloride	DFB	Lin1	4207 199360	6417 401931	18848	39754	96111	2.50 100	5.00 200	10.0	20.0	50.0
Bromomethane	DFB	Lin	1340 70649	2715 178164	6796	14237	32596	2.50 100	5.00 200	10.0	20.0	50.0
Chloroethane	DFB	Ave	1227 71435	2848 173972	6803	14398	33597	2.50 100	5.00 200	10.0	20.0	50.0
Trichlorofluoromethane	DFB	Lin1	5045 256081	6931 544413	23839	51469	116860	2.50 100	5.00 200	10.0	20.0	50.0
Acrolein	DFB	Ave	20617 874364	38874 1545677	81150	164807	409078	50.0 2000	100 4000	200	400	1000
1,1,2-Trichloro-1,2,2-trifluoroetha ne	DFB	Lin1	4149 235191	6884 472983	20424	47080	101280	2.50 100	5.00 200	10.0	20.0	50.0
1,1-Dichloroethene	DFB	Ave	5168 235237	7748 475213	22638	47253	112617	2.50 100	5.00 200	10.0	20.0	50.0
Acetone	DFB	Ave	13013 497431	22610 844684	45774	89521	233140	12.5 500	25.0 1000	50.0	100	250
Iodomethane	DFB	Ave	8038 373073	16293 743356	34489	74227	178314	2.50 100	5.00 200	10.0	20.0	50.0
Carbon disulfide	DFB	Lin1	14051 727106	23993 1487822	61254	134264	333571	2.50 100	5.00 200	10.0	20.0	50.0
Methyl acetate	DFB	Ave	8373 334078	14478 576783	30755	61491	151753	2.50 100	5.00 200	10.0	20.0	50.0
Acetonitrile	DFB	Ave	24308 926969	41329 1593774	86095	170539	433814	100 4000	200 8000	400	800	2000
Methylene Chloride	DFB	Ave	7084 265068	12997 527420	26796	54505	131055	2.50 100	5.00 200	10.0	20.0	50.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-30346-1 Analy Batch No.: 96157

SDG No.:

Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/17/2012 13:05 Calibration End Date: 12/17/2012 14:47 Calibration ID: 11625

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/KG)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Methyl tert-butyl ether	DFB	Ave	16144 716823	32075 1355505	65175	136368	337049	2.50 100	5.00 200	10.0	20.0	50.0
trans-1,2-Dichloroethene	DFB	Ave	6247 272139	10861 543627	26946	54925	133876	2.50 100	5.00 200	10.0	20.0	50.0
Acrylonitrile	DFB	Ave	15318 643738	27243 1109642	57638	115892	296321	12.5 500	25.0 1000	50.0	100	250
Vinyl acetate	DFB	Ave	56900 2511929	116158 4402572	246126	501123	1225317	12.5 500	25.0 1000	50.0	100	250
1,1-Dichloroethane	DFB	Ave	10028 418599	18903 834313	43361	85898	208577	2.50 100	5.00 200	10.0	20.0	50.0
2-Butanone (MEK)	DFB	Ave	20136 831150	35658 1367365	73346	146560	381605	12.5 500	25.0 1000	50.0	100	250
2,2-Dichloropropane	DFB	Lin1	6202 327318	11024 668038	29953	63179	157937	2.50 100	5.00 200	10.0	20.0	50.0
cis-1,2-Dichloroethene	DFB	Ave	6871 293929	12889 581388	29045	60049	145058	2.50 100	5.00 200	10.0	20.0	50.0
Chlorobromomethane	DFB	Ave	3404 155117	6355 306814	15215	30452	76320	2.50 100	5.00 200	10.0	20.0	50.0
Tetrahydrofuran	DFB	Ave	13198 548073	23123 903463	48411	96480	251879	12.5 500	25.0 1000	50.0	100	250
Chloroform	DFB	Ave	9961 415748	17761 833761	40526	83311	204952	2.50 100	5.00 200	10.0	20.0	50.0
1,1,1-Trichloroethane	DFB	Lin1	7049 364932	11500 751313	32363	70232	173677	2.50 100	5.00 200	10.0	20.0	50.0
Cyclohexane	DFB	Lin1	9071 457508	15015 909302	41111	90357	204441	2.50 100	5.00 200	10.0	20.0	50.0
1,1-Dichloropropene	DFB	Ave	7327 336371	12126 672803	33223	66329	161084	2.50 100	5.00 200	10.0	20.0	50.0
Carbon tetrachloride	DFB	Lin1	4869 313317	7971 674052	23896	53808	140809	2.50 100	5.00 200	10.0	20.0	50.0
Benzene	DFB	Ave	24716 1000297	44154 1971663	101808	204904	495767	2.50 100	5.00 200	10.0	20.0	50.0
1,2-Dichloroethane	DFB	Ave	7672 313411	14177 610683	31733	62572	152590	2.50 100	5.00 200	10.0	20.0	50.0
Trichloroethene	DFB	Ave	6094 275340	10807 555684	26471	53864	133024	2.50 100	5.00 200	10.0	20.0	50.0
Methylcyclohexane	DFB	Lin1	9145 485303	14611 966725	42389	94927	210064	2.50 100	5.00 200	10.0	20.0	50.0
1,2-Dichloropropane	DFB	Ave	5423 251818	10669 503548	24378	49022	121957	2.50 100	5.00 200	10.0	20.0	50.0
Dibromomethane	DFB	Ave	2879 153845	6601 302232	13654	28421	72928	2.50 100	5.00 200	10.0	20.0	50.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-30346-1 Analy Batch No.: 96157

SDG No.:

Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/17/2012 13:05 Calibration End Date: 12/17/2012 14:47 Calibration ID: 11625

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/KG)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Dichlorobromomethane	DFB	Lin1	3131 298355	9440 621618	22790	50035	136701	2.50 100	5.00 200	10.0	20.0	50.0
2-Chloroethyl vinyl ether	DFB	Ave	19081 906150	38270 1616133	82362	169569	426856	12.5 500	25.0 1000	50.0	100	250
cis-1,3-Dichloropropene	DFB	Lin1	6674 386716	13761 785045	31522	69010	179177	2.50 100	5.00 200	10.0	20.0	50.0
4-Methyl-2-pentanone (MIBK)	CBZ	Ave	36720 1569801	67281 2588706	140977	287134	734574	12.5 500	25.0 1000	50.0	100	250
Toluene	CBZ	Ave	16139 673678	29264 1332776	67822	137082	330879	2.50 100	5.00 200	10.0	20.0	50.0
Ethyl methacrylate	CBZ	Ave	6495 363157	13357 661246	29649	63586	165518	2.50 100	5.00 200	10.0	20.0	50.0
trans-1,3-Dichloropropene	CBZ	Lin1	5781 340873	11288 680801	27342	59839	160022	2.50 100	5.00 200	10.0	20.0	50.0
1,1,2-Trichloroethane	CBZ	Ave	3897 189759	7781 368083	17471	35431	89843	2.50 100	5.00 200	10.0	20.0	50.0
Tetrachloroethene	CBZ	Ave	7482 325304	12431 647042	32784	64246	158669	2.50 100	5.00 200	10.0	20.0	50.0
1,3-Dichloropropane	CBZ	Ave	8893 374366	17037 710242	36802	73722	182455	2.50 100	5.00 200	10.0	20.0	50.0
2-Hexanone	CBZ	Ave	26395 1162768	46493 1860572	99946	205089	532588	12.5 500	25.0 1000	50.0	100	250
Chlorodibromomethane	CBZ	Lin1	3187 257382	7125 538930	17023	37845	110180	2.50 100	5.00 200	10.0	20.0	50.0
Ethylene Dibromide	CBZ	Ave	5399 267534	10476 517479	23467	49880	125999	2.50 100	5.00 200	10.0	20.0	50.0
Chlorobenzene	CBZ	Ave	19827 809750	36606 1580446	81391	163884	399228	2.50 100	5.00 200	10.0	20.0	50.0
Ethylbenzene	CBZ	Ave	28519 1234419	52394 2383094	123158	251228	611561	2.50 100	5.00 200	10.0	20.0	50.0
1,1,1,2-Tetrachloroethane	CBZ	Lin1	4611 272605	9076 550016	21355	46776	126642	2.50 100	5.00 200	10.0	20.0	50.0
m-Xylene & p-Xylene	CBZ	Ave	24661 1037308	44709 1985508	104897	212695	517496	5.00 200	10.0 400	20.0	40.0	100
o-Xylene	CBZ	Ave	12071 509459	21803 978880	50041	103092	251121	2.50 100	5.00 200	10.0	20.0	50.0
Styrene	CBZ	Ave	17839 859276	35108 1641262	80988	169160	420599	2.50 100	5.00 200	10.0	20.0	50.0
Bromoform	CBZ	Lin1	1497 171804	3387 360680	8777	21122	68628	2.50 100	5.00 200	10.0	20.0	50.0
Isopropylbenzene	DCB	Ave	29468 1300991	51351 2497297	127196	263996	641525	2.50 100	5.00 200	10.0	20.0	50.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-30346-1 Analy Batch No.: 96157

SDG No.:

Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/17/2012 13:05 Calibration End Date: 12/17/2012 14:47 Calibration ID: 11625

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/KG)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,1,2,2-Tetrachloroethane	DCB	Ave	6924 340931	12795 621032	29550	60843	161801	2.50 100	5.00 200	10.0	20.0	50.0
Bromobenzene	DCB	Ave	8522 369915	16097 701921	36282	74010	182207	2.50 100	5.00 200	10.0	20.0	50.0
N-Propylbenzene	DCB	Ave	34719 1469919	59643 2659519	145106	301280	733386	2.50 100	5.00 200	10.0	20.0	50.0
trans-1,4-Dichloro-2-butene	DCB	Ave	8686 445099	16624 746235	35677	78110	204459	12.5 500	25.0 1000	50.0	100	250
1,2,3-Trichloropropane	DCB	Ave	2593 110911	4699 190539	10570	20285	53233	2.50 100	5.00 200	10.0	20.0	50.0
2-Chlorotoluene	DCB	Ave	8077 354127	14594 673120	34329	70030	173167	2.50 100	5.00 200	10.0	20.0	50.0
1,3,5-Trimethylbenzene	DCB	Ave	25260 1099167	45335 2050901	106010	220397	541912	2.50 100	5.00 200	10.0	20.0	50.0
4-Chlorotoluene	DCB	Ave	8297 361363	15150 689352	34724	73827	179667	2.50 100	5.00 200	10.0	20.0	50.0
tert-Butylbenzene	DCB	Ave	6057 277076	10825 525089	26554	54860	134940	2.50 100	5.00 200	10.0	20.0	50.0
1,2,4-Trimethylbenzene	DCB	Ave	24854 1091313	45724 2016416	105543	219010	537496	2.50 100	5.00 200	10.0	20.0	50.0
sec-Butylbenzene	DCB	Ave	32783 1418344	53526 2602892	137961	287237	698408	2.50 100	5.00 200	10.0	20.0	50.0
4-Isopropyltoluene	DCB	Ave	28914 1297486	50245 2370820	123416	261094	633782	2.50 100	5.00 200	10.0	20.0	50.0
1,3-Dichlorobenzene	DCB	Ave	16922 695739	31185 1288731	69032	141704	342595	2.50 100	5.00 200	10.0	20.0	50.0
1,4-Dichlorobenzene	DCB	Ave	18270 707446	32612 1288166	70735	142533	344052	2.50 100	5.00 200	10.0	20.0	50.0
n-Butylbenzene	DCB	Ave	23535 1031559	38992 1860176	96299	205199	505507	2.50 100	5.00 200	10.0	20.0	50.0
1,2-Dichlorobenzene	DCB	Ave	16502 667261	30448 1209906	64751	132919	325565	2.50 100	5.00 200	10.0	20.0	50.0
1,2-Dibromo-3-Chloropropane	DCB	Lin1	617 60147	771 99512	3422	8007	24824	2.50 100	5.00 200	10.0	20.0	50.0
1,2,4-Trichlorobenzene	DCB	Ave	9923 444246	17402 704988	38900	84732	209211	2.50 100	5.00 200	10.0	20.0	50.0
Hexachlorobutadiene	DCB	Ave	5474 230319	8020 379329	21081	45787	110386	2.50 100	5.00 200	10.0	20.0	50.0
Naphthalene	DCB	Ave	29613 1204755	46533 1758675	100993	213920	556405	2.50 100	5.00 200	10.0	20.0	50.0
1,2,3-Trichlorobenzene	DCB	Ave	8849 398722	15098 579860	34471	75828	190996	2.50 100	5.00 200	10.0	20.0	50.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-30346-1 Analy Batch No.: 96157

SDG No.:

Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/17/2012 13:05 Calibration End Date: 12/17/2012 14:47 Calibration ID: 11625

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/KG)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,2-Dichloroethane-d4 (Surr)	DFB	Ave	127278	6426 247165	13003	26152	58798	100	5.00 200	10.0	20.0	50.0
Toluene-d8 (Surr)	CBZ	Ave	926359	47541 1831091	95617	194196	452163	100	5.00 200	10.0	20.0	50.0
4-Bromofluorobenzene (Surr)	CBZ	Ave	317175	17244 612918	33227	67032	149988	100	5.00 200	10.0	20.0	50.0

Curve Type Legend:

Ave = Average ISTD
Lin = Linear ISTD
Lin1 = Linear 1/conc ISTD

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973F\20121217-17620.b\F4390.D		
Lims ID:	STD1	Client ID:	
Inject. Date:	17-Dec-2012 12:14:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	STD1		
Misc. Info.:	480-0017620-003 =480-0017620-003		
Operator:	jmb	Instrument ID:	HP5973F
Purge Vol:	5.000 mL	ALS Bottle#:	3
Lims Batch ID:	96157	Lims Sample ID:	3
Sublist:	chrom-F-8260 SOIL*sub1		
Detector:	MS SCAN		

Method:	\\Bufchrom\ChromData\HP5973F\20121217-17620.b\F-8260 SOIL.m		
Last Update:	26-Dec-2012 09:55:54	Calib Date:	17-Dec-2012 14:47:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973F\20121217-17620.b\F4396.D		
Limit Group:	MV - 8260MCP_RCP		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	ZB-624	Column Dia:	0.25 mm
Process Host:	XAWRK019		

First Level Reviewer: ByrnesJ Date: 26-Dec-2012 09:52:58

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.614	5.608	0.006	92	402099	50.0	
* 2 Chlorobenzene-d5	82	8.388	8.382	0.006	80	169705	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.700	10.700	0.0	92	189517	50.0	
10 Dichlorodifluoromethane	85	2.007	2.001	0.006	27	3444	2.83	
12 Chloromethane	50	2.147	2.153	-0.006	40	4805	2.38	
13 Vinyl chloride	62	2.268	2.274	-0.006	20	4207	2.74	
14 Bromomethane	94	2.554	2.554	0.0	10	1340	6.15	
15 Chloroethane	64	2.633	2.633	0.0	13	1227	1.74	
17 Trichlorofluoromethane	101	2.852	2.852	0.0	19	5045	2.97	
20 Acrolein	56	3.199	3.193	0.006	80	20617	48.5	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.230	3.230	0.0	10	4149	2.81	
22 1,1-Dichloroethene	96	3.260	3.260	0.0	53	5168	2.28	
23 Acetone	43	3.315	3.309	0.006	79	13013	13.4	
25 Iodomethane	142	3.424	3.424	0.0	74	8038	2.19	
26 Carbon disulfide	76	3.479	3.479	0.0	79	14051	2.91	
27 Methyl acetate	43	3.534	3.528	0.006	75	8373	2.60	
29 Acetonitrile	40	3.570	3.564	0.006	100	24308	107.0	
30 Methylene Chloride	84	3.649	3.649	0.0	72	7084	2.54	
32 Methyl tert-butyl ether	73	3.807	3.807	0.0	63	16144	2.31	
34 trans-1,2-Dichloroethene	96	3.844	3.838	0.006	71	6247	2.30	
33 Acrylonitrile	53	3.862	3.856	0.006	87	15318	12.5	
37 Vinyl acetate	43	4.160	4.160	0.0	94	56900	11.4	
39 1,1-Dichloroethane	63	4.179	4.179	0.0	5	10028	2.32	
43 2-Butanone (MEK)	43	4.623	4.623	0.0	96	20136	12.8	
44 2,2-Dichloropropane	77	4.629	4.629	0.0	9	6202	2.71	
45 cis-1,2-Dichloroethene	96	4.635	4.635	0.0	23	6871	2.31	
48 Chlorobromomethane	128	4.848	4.842	0.006	60	3404	2.22	
49 Tetrahydrofuran	42	4.866	4.860	0.006	81	13198	12.8	
50 Chloroform	83	4.878	4.878	0.0	47	9961	2.37	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
51 1,1,1-Trichloroethane	97	5.024	5.024	0.0	46	7049	2.85	
52 Cyclohexane	56	5.055	5.055	0.0	59	9071	2.74	
54 1,1-Dichloropropene	75	5.146	5.140	0.006	52	7327	2.24	
55 Carbon tetrachloride	117	5.152	5.152	0.0	41	4869	3.24	
57 Benzene	78	5.334	5.334	0.0	77	24716	2.41	
58 1,2-Dichloroethane	62	5.371	5.371	0.0	50	7672	2.40	
62 Trichloroethene	95	5.858	5.858	0.0	49	6094	2.25	
64 Methylcyclohexane	83	5.998	5.991	0.007	52	9145	2.83	
65 1,2-Dichloropropane	63	6.077	6.077	0.0	42	5423	2.18	
67 Dibromomethane	93	6.217	6.210	0.007	60	2879	1.98	
68 Dichlorobromomethane	83	6.320	6.320	0.0	5	3131	2.81	
69 2-Chloroethyl vinyl ether	63	6.527	6.527	0.0	76	19081	11.1	
72 cis-1,3-Dichloropropene	75	6.703	6.703	0.0	46	6674	2.80	
73 4-Methyl-2-pentanone (MIBK)	43	6.801	6.801	0.0	88	36720	12.4	
74 Toluene	92	6.995	6.995	0.0	73	16139	2.36	
75 Ethyl methacrylate	69	7.220	7.214	0.006	24	6495	2.02	
77 trans-1,3-Dichloropropene	75	7.226	7.220	0.006	36	5781	2.84	
79 1,1,2-Trichloroethane	83	7.415	7.421	-0.006	17	3897	2.15	
81 Tetrachloroethene	166	7.518	7.525	-0.007	68	7482	2.33	
82 1,3-Dichloropropane	76	7.585	7.585	0.0	32	8893	2.37	
80 2-Hexanone	43	7.598	7.591	0.007	89	26395	12.4	
83 Chlorodibromomethane	129	7.829	7.829	0.0	1	3187	3.29	
84 Ethylene Dibromide	107	7.956	7.963	-0.007	41	5399	2.15	
87 Chlorobenzene	112	8.413	8.413	0.0	78	19827	2.40	
88 Ethylbenzene	91	8.474	8.474	0.0	79	28519	2.30	
89 1,1,1,2-Tetrachloroethane	131	8.492	8.492	0.0	49	4611	2.91	
90 m-Xylene & p-Xylene	106	8.589	8.589	0.0	96	24661	4.70	
91 o-Xylene	106	9.021	9.027	-0.006	70	12071	2.36	
92 Styrene	104	9.045	9.045	0.0	73	17839	2.14	
95 Bromoform	173	9.325	9.325	0.0	2	1497	3.71	
94 Isopropylbenzene	105	9.386	9.386	0.0	61	29468	2.26	
97 1,1,2,2-Tetrachloroethane	83	9.757	9.757	0.0	1	6924	2.18	
101 Bromobenzene	156	9.769	9.769	0.0	62	8522	2.27	
98 trans-1,4-Dichloro-2-butene	53	9.806	9.800	0.006	37	8686	10.8	
99 N-Propylbenzene	91	9.800	9.800	0.0	85	34719	2.34	
100 1,2,3-Trichloropropane	110	9.812	9.812	0.0	22	2593	2.40	
103 2-Chlorotoluene	126	9.934	9.934	0.0	73	8077	2.28	
102 1,3,5-Trimethylbenzene	105	9.958	9.964	-0.006	53	25260	2.30	
105 4-Chlorotoluene	126	10.037	10.037	0.0	59	8297	2.27	
106 tert-Butylbenzene	134	10.280	10.280	0.0	62	6057	2.22	
107 1,2,4-Trimethylbenzene	105	10.329	10.329	0.0	68	24854	2.28	
109 sec-Butylbenzene	105	10.481	10.481	0.0	54	32783	2.33	
110 4-Isopropyltoluene	119	10.603	10.603	0.0	72	28914	2.26	
111 1,3-Dichlorobenzene	146	10.645	10.645	0.0	54	16922	2.37	
113 1,4-Dichlorobenzene	146	10.724	10.725	0.0	78	18270	2.50	
115 n-Butylbenzene	91	10.974	10.974	0.0	78	23535	2.33	
116 1,2-Dichlorobenzene	146	11.071	11.065	0.006	71	16502	2.43	
117 1,2-Dibromo-3-Chloropropane	75	11.740	11.740	0.0	1	617	3.47	
119 1,2,4-Trichlorobenzene	180	12.385	12.391	-0.006	42	9923	2.37	
120 Hexachlorobutadiene	225	12.483	12.483	0.0	36	5474	2.48	
121 Naphthalene	128	12.623	12.623	0.0	66	29613	2.66	
122 1,2,3-Trichlorobenzene	180	12.842	12.842	0.0	40	8849	2.39	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
S 123 Total BTEX	1				0		14.1	
S 124 Xylenes, Total	1				0		7.06	
S 125 1,2-Dichloroethene, Total	1				0		4.61	
S 126 1,3-Dichloropropene, Total	1				0		5.65	

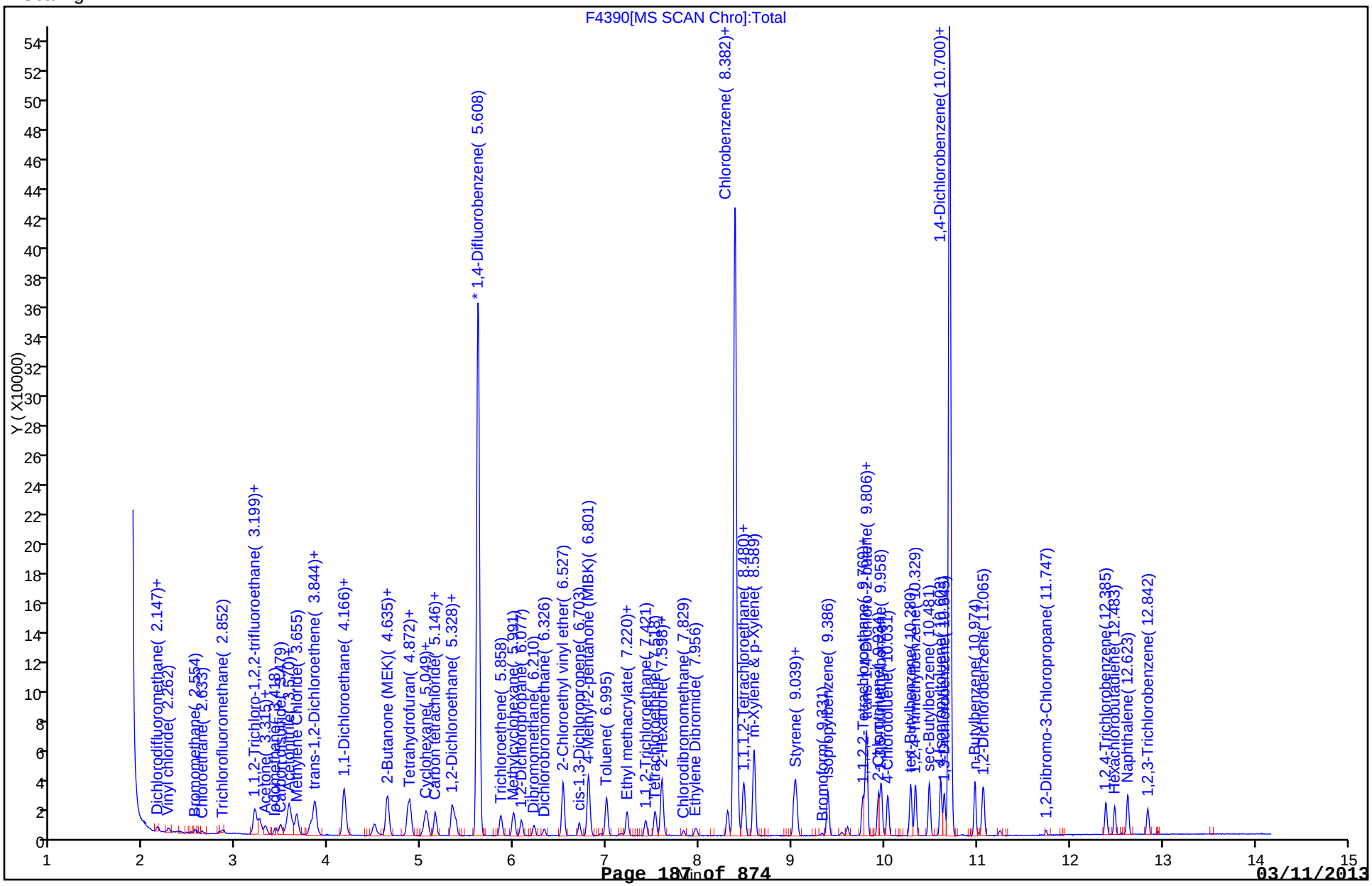
Report Date: 26-Dec-2012 09:55:54 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973F\20121217-17620.b\F4390.D

Injection Date:	17-Dec-2012 12:14:30	Limit Group:	MV - 8260MCP_RCP
Client ID:		Instrument ID:	HP5973F
Lims Batch ID:	96157	Lims Sample ID:	3
Operator ID:	jmb	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:



TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973F\20121217-17620.b\F4391.D		
Lims ID:	STD2	Client ID:	
Inject. Date:	17-Dec-2012 12:40:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	STD2		
Misc. Info.:	480-0017620-004 =480-0017620-004		
Operator:	jmb	Instrument ID:	HP5973F
Purge Vol:	5.000 mL	ALS Bottle#:	4
Lims Batch ID:	96157	Lims Sample ID:	4
Sublist:	chrom-F-8260 SOIL*sub1		
Detector:	MS SCAN		

Method:	\\Bufchrom\ChromData\HP5973F\20121217-17620.b\F-8260 SOIL.m		
Last Update:	26-Dec-2012 09:55:55	Calib Date:	17-Dec-2012 14:47:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973F\20121217-17620.b\F4396.D		
Limit Group:	MV - 8260MCP_RCP		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	ZB-624	Column Dia:	0.25 mm
Process Host:	XAWRK019		

First Level Reviewer: ByrnesJ Date: 17-Dec-2012 16:03:53

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.608	5.608	0.0	93	394880	50.0	
* 2 Chlorobenzene-d5	82	8.382	8.382	0.0	80	165156	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.700	10.700	0.0	91	182079	50.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.304	5.304	0.0	85	6426	4.94	
$ 5 Toluene-d8 (Surr)	98	6.934	6.934	0.0	69	47541	4.98	
$ 6 4-Bromofluorobenzene (Surr)	174	9.599	9.599	0.0	77	17244	5.24	
10 Dichlorodifluoromethane	85	1.988	2.001	-0.013	28	4527	3.42	
12 Chloromethane	50	2.147	2.153	-0.006	57	8105	4.10	
13 Vinyl chloride	62	2.262	2.274	-0.012	33	6417	3.86	
14 Bromomethane	94	2.554	2.554	0.0	9	2715	7.76	
15 Chloroethane	64	2.627	2.633	-0.006	33	2848	4.12	
17 Trichlorofluoromethane	101	2.846	2.852	-0.006	18	6931	3.71	
20 Acrolein	56	3.187	3.193	-0.006	88	38874	93.2	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.217	3.230	-0.013	9	6884	4.00	
22 1,1-Dichloroethene	96	3.254	3.260	-0.006	67	7748	3.47	
23 Acetone	43	3.309	3.309	0.0	81	22610	23.7	
25 Iodomethane	142	3.418	3.424	-0.006	74	16293	4.52	
26 Carbon disulfide	76	3.473	3.479	-0.006	77	23993	4.29	
27 Methyl acetate	43	3.528	3.528	0.0	86	14478	4.57	
29 Acetonitrile	40	3.564	3.564	0.0	100	41329	185.2	
30 Methylene Chloride	84	3.649	3.649	0.0	70	12997	4.74	
32 Methyl tert-butyl ether	73	3.807	3.807	0.0	78	32075	4.67	
34 trans-1,2-Dichloroethene	96	3.838	3.838	0.0	78	10861	4.07	
33 Acrylonitrile	53	3.850	3.856	-0.006	95	27243	22.7	
37 Vinyl acetate	43	4.154	4.160	-0.006	96	116158	23.7	
39 1,1-Dichloroethane	63	4.172	4.179	-0.007	48	18903	4.46	
43 2-Butanone (MEK)	43	4.623	4.623	0.0	96	35658	23.2	
44 2,2-Dichloropropane	77	4.629	4.629	0.0	36	11024	4.18	
45 cis-1,2-Dichloroethene	96	4.635	4.635	0.0	55	12889	4.41	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
48 Chlorobromomethane	128	4.842	4.842	0.0	72	6355	4.22	
49 Tetrahydrofuran	42	4.860	4.860	0.0	85	23123	22.8	
50 Chloroform	83	4.878	4.878	0.0	56	17761	4.31	
51 1,1,1-Trichloroethane	97	5.018	5.024	-0.006	64	11500	4.07	
52 Cyclohexane	56	5.055	5.055	0.0	62	15015	4.07	
54 1,1-Dichloropropene	75	5.140	5.140	0.0	64	12126	3.77	
55 Carbon tetrachloride	117	5.152	5.152	0.0	52	7971	4.21	
57 Benzene	78	5.328	5.334	-0.006	88	44154	4.38	
58 1,2-Dichloroethane	62	5.365	5.371	-0.006	57	14177	4.52	
62 Trichloroethene	95	5.851	5.858	-0.007	71	10807	4.07	
64 Methylcyclohexane	83	5.991	5.991	0.0	61	14611	4.00	
65 1,2-Dichloropropane	63	6.077	6.077	0.0	63	10669	4.37	
67 Dibromomethane	93	6.217	6.210	0.006	71	6601	4.62	
68 Dichlorobromomethane	83	6.320	6.320	0.0	52	9440	4.88	
69 2-Chloroethyl vinyl ether	63	6.527	6.527	0.0	84	38270	22.7	
72 cis-1,3-Dichloropropene	75	6.703	6.703	0.0	55	13761	4.64	
73 4-Methyl-2-pentanone (MIBK)	43	6.801	6.801	0.0	89	67281	23.3	
74 Toluene	92	7.001	6.995	0.006	89	29264	4.40	
75 Ethyl methacrylate	69	7.214	7.214	0.0	61	13357	4.26	
77 trans-1,3-Dichloropropene	75	7.220	7.220	0.0	61	11288	4.51	
79 1,1,2-Trichloroethane	83	7.415	7.421	-0.006	59	7781	4.42	
81 Tetrachloroethene	166	7.518	7.525	-0.007	78	12431	3.97	
82 1,3-Dichloropropane	76	7.585	7.585	0.0	67	17037	4.66	
80 2-Hexanone	43	7.597	7.591	0.006	93	46493	22.4	
83 Chlorodibromomethane	129	7.829	7.829	0.0	23	7125	4.83	
84 Ethylene Dibromide	107	7.962	7.963	-0.001	41	10476	4.29	
87 Chlorobenzene	112	8.413	8.413	0.0	90	36606	4.55	
88 Ethylbenzene	91	8.474	8.474	0.0	84	52394	4.35	
89 1,1,1,2-Tetrachloroethane	131	8.492	8.492	0.0	53	9076	4.60	
90 m-Xylene & p-Xylene	106	8.589	8.589	0.0	99	44709	8.75	
91 o-Xylene	106	9.027	9.027	0.0	81	21803	4.39	
92 Styrene	104	9.045	9.045	0.0	87	35108	4.34	
95 Bromoform	173	9.319	9.325	-0.006	0	3387	4.83	
94 Isopropylbenzene	105	9.386	9.386	0.0	75	51351	4.10	
97 1,1,2,2-Tetrachloroethane	83	9.757	9.757	0.0	65	12795	4.19	
101 Bromobenzene	156	9.769	9.769	0.0	78	16097	4.47	
98 trans-1,4-Dichloro-2-butene	53	9.800	9.800	0.0	40	16624	21.6	
99 N-Propylbenzene	91	9.800	9.800	0.0	87	59643	4.19	
100 1,2,3-Trichloropropane	110	9.812	9.812	0.0	27	4699	4.52	
103 2-Chlorotoluene	126	9.934	9.934	0.0	88	14594	4.29	
102 1,3,5-Trimethylbenzene	105	9.964	9.964	0.0	68	45335	4.29	
105 4-Chlorotoluene	126	10.031	10.037	-0.006	81	15150	4.32	
106 tert-Butylbenzene	134	10.280	10.280	0.0	74	10825	4.12	
107 1,2,4-Trimethylbenzene	105	10.335	10.329	0.006	78	45724	4.36	
109 sec-Butylbenzene	105	10.481	10.481	0.0	72	53526	3.96	
110 4-Isopropyltoluene	119	10.603	10.603	0.0	85	50245	4.10	
111 1,3-Dichlorobenzene	146	10.645	10.645	0.0	78	31185	4.55	
113 1,4-Dichlorobenzene	146	10.724	10.725	0.0	76	32612	4.65	
115 n-Butylbenzene	91	10.974	10.974	0.0	85	38992	4.02	
116 1,2-Dichlorobenzene	146	11.065	11.065	0.0	89	30448	4.66	
117 1,2-Dibromo-3-Chloropropane	75	11.746	11.740	0.006	1	771	3.79	M
119 1,2,4-Trichlorobenzene	180	12.391	12.391	0.0	61	17402	4.33	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
120 Hexachlorobutadiene	225	12.483	12.483	0.0	49	8020	3.79	
121 Naphthalene	128	12.623	12.623	-0.001	80	46533	4.35	
122 1,2,3-Trichlorobenzene	180	12.842	12.842	0.0	55	15098	4.25	
S 123 Total BTEX	1				0		26.3	
S 124 Xylenes, Total	1				0		13.1	
S 125 1,2-Dichloroethene, Total	1				0		8.48	
S 126 1,3-Dichloropropene, Total	1				0		9.15	

QC Flag Legend

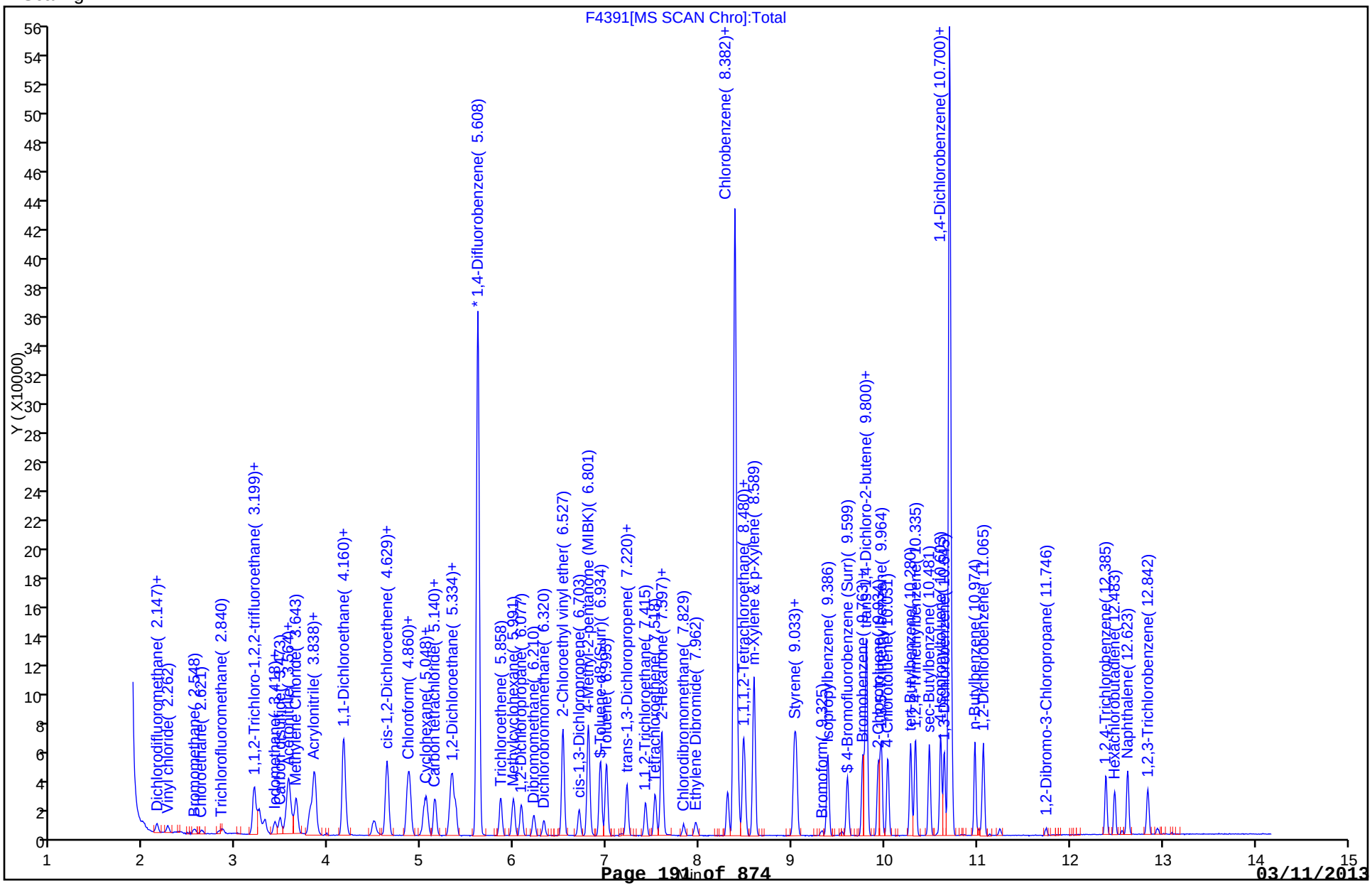
Review Flags
M - Manually Integrated

Report Date: 26-Dec-2012 09:55:55 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973F\20121217-17620.b\F4391.D		
Injection Date:	17-Dec-2012 12:40:30	Limit Group:	MV - 8260MCP_RCP
Client ID:		Instrument ID:	HP5973F
Lims Batch ID:	96157	Lims Sample ID:	4
Operator ID:	jmb	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:



Report Date: 26-Dec-2012 09:55:55 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

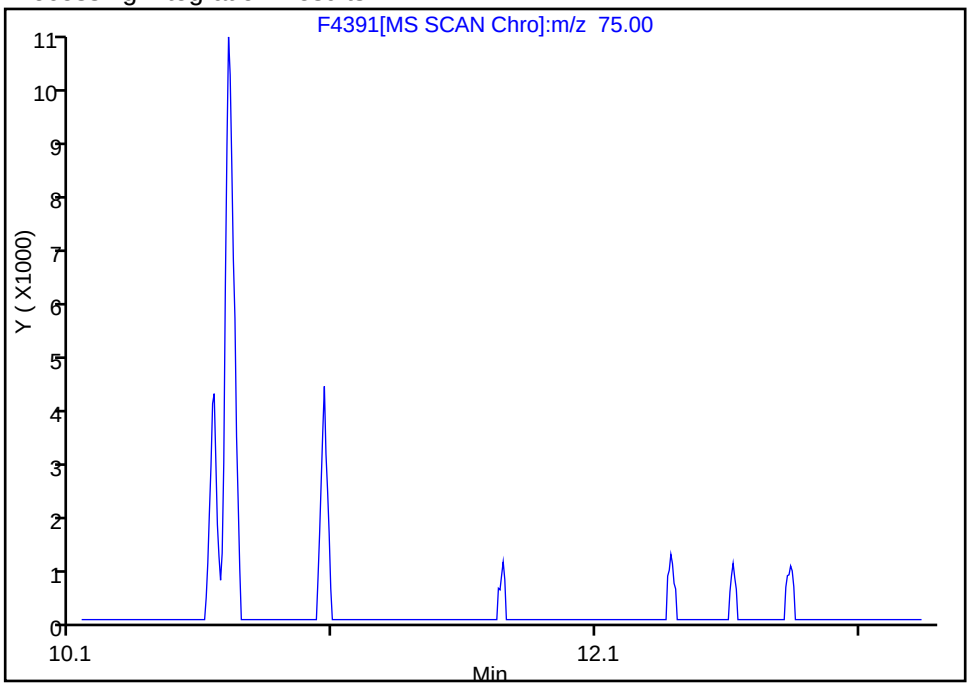
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973F\20121217-17620.b\F4391.D		
Injection Date:	17-Dec-2012 12:40:30	Limit Group:	MV - 8260MCP_RCP
Client ID:		Instrument ID:	HP5973F
Lims Batch ID:	96157	Lims Sample ID:	4
Operator ID:	jmb	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

117 1,2-Dibromo-3-Chloropropane, Signal: 1, m/z: 75.0 Type: quant, RT: 11.74

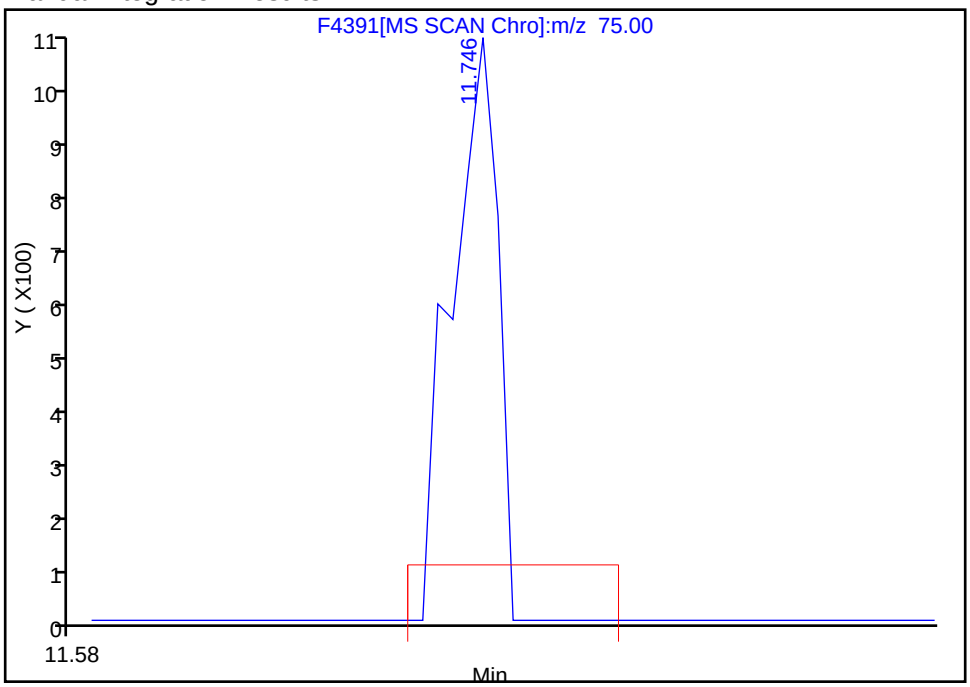
Processing Integration Results

Not Detected
Expected RT: 11.74



Manual Integration Results

RT: 11.75
Response: 771
Amount: 3.794650



Reviewer: ByrnesJ, 17-Dec-2012 15:41:54
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973F\20121217-17620.b\F4392.D		
Lims ID:	STD3	Client ID:	
Inject. Date:	17-Dec-2012 13:05:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	3
Sample ID:	STD3		
Misc. Info.:	480-0017620-005 =480-0017620-005		
Operator:	jmb	Instrument ID:	HP5973F
Purge Vol:	5.000 mL	ALS Bottle#:	5
Lims Batch ID:	96157	Lims Sample ID:	5
Sublist:	chrom-F-8260 SOIL*sub1		
Detector:	MS SCAN		

Method:	\\Bufchrom\ChromData\HP5973F\20121217-17620.b\F-8260 SOIL.m		
Last Update:	26-Dec-2012 09:55:46	Calib Date:	17-Dec-2012 14:47:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973F\20121217-17620.b\F4396.D		
Limit Group:	MV - 8260MCP_RCP		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	ZB-624	Column Dia:	0.25 mm
Process Host:	XAWRK019		

First Level Reviewer: ByrnesJ Date: 17-Dec-2012 16:03:59

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.608	5.608	0.0	93	377449	50.0	
* 2 Chlorobenzene-d5	82	8.382	8.382	0.0	79	160236	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.700	10.700	0.0	85	172949	50.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.304	5.304	0.0	88	13003	10.4	
$ 5 Toluene-d8 (Surr)	98	6.935	6.934	0.001	86	95617	10.3	
$ 6 4-Bromofluorobenzene (Surr)	174	9.599	9.599	0.0	87	33227	10.4	
10 Dichlorodifluoromethane	85	2.001	2.001	0.0	67	17796	10.7	
12 Chloromethane	50	2.147	2.153	-0.006	86	19455	10.3	
13 Vinyl chloride	62	2.268	2.274	-0.006	52	18848	10.4	
14 Bromomethane	94	2.554	2.554	0.0	74	6796	12.8	
15 Chloroethane	64	2.627	2.633	-0.006	63	6803	10.3	
17 Trichlorofluoromethane	101	2.852	2.852	0.0	65	23839	10.4	
20 Acrolein	56	3.199	3.193	0.006	91	81150	203.5	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.230	3.230	0.0	56	20424	10.1	
22 1,1-Dichloroethene	96	3.260	3.260	0.0	85	22638	10.6	
23 Acetone	43	3.309	3.309	0.0	95	45774	50.2	
25 Iodomethane	142	3.418	3.424	-0.006	91	34489	10.0	
26 Carbon disulfide	76	3.479	3.479	0.0	94	61254	9.70	
27 Methyl acetate	43	3.528	3.528	0.0	92	30755	10.2	
29 Acetonitrile	40	3.564	3.564	0.0	100	86095	403.7	
30 Methylene Chloride	84	3.649	3.649	0.0	82	26796	10.2	
32 Methyl tert-butyl ether	73	3.808	3.807	0.001	85	65175	9.94	
34 trans-1,2-Dichloroethene	96	3.838	3.838	0.0	97	26946	10.6	
33 Acrylonitrile	53	3.856	3.856	0.0	98	57638	50.2	
37 Vinyl acetate	43	4.160	4.160	0.0	97	246126	52.6	
39 1,1-Dichloroethane	63	4.179	4.179	0.0	60	43361	10.7	
43 2-Butanone (MEK)	43	4.623	4.623	0.0	98	73346	49.8	
44 2,2-Dichloropropane	77	4.629	4.629	0.0	48	29953	10.2	
45 cis-1,2-Dichloroethene	96	4.635	4.635	0.0	65	29045	10.4	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
48 Chlorobromomethane	128	4.842	4.842	0.0	80	15215	10.6	
49 Tetrahydrofuran	42	4.866	4.860	0.006	88	48411	50.0	
50 Chloroform	83	4.878	4.878	0.0	74	40526	10.3	
51 1,1,1-Trichloroethane	97	5.030	5.024	0.006	76	32363	10.0	
52 Cyclohexane	56	5.055	5.055	0.0	84	41111	10.2	
54 1,1-Dichloropropene	75	5.146	5.140	0.006	85	33223	10.8	
55 Carbon tetrachloride	117	5.158	5.152	0.006	70	23896	9.39	
57 Benzene	78	5.335	5.334	0.001	95	101808	10.6	
58 1,2-Dichloroethane	62	5.371	5.371	0.0	71	31733	10.6	
62 Trichloroethene	95	5.852	5.858	-0.006	84	26471	10.4	
64 Methylcyclohexane	83	5.992	5.991	0.001	81	42389	10.1	
65 1,2-Dichloropropane	63	6.083	6.077	0.006	86	24378	10.5	
67 Dibromomethane	93	6.211	6.210	0.001	76	13654	9.99	
68 Dichlorobromomethane	83	6.320	6.320	0.0	76	22790	9.55	
69 2-Chloroethyl vinyl ether	63	6.527	6.527	0.0	88	82362	51.0	
72 cis-1,3-Dichloropropene	75	6.703	6.703	0.0	71	31522	9.53	
73 4-Methyl-2-pentanone (MIBK)	43	6.801	6.801	0.0	96	140977	50.3	
74 Toluene	92	6.995	6.995	0.0	97	67822	10.5	
75 Ethyl methacrylate	69	7.220	7.214	0.006	87	29649	9.75	
77 trans-1,3-Dichloropropene	75	7.220	7.220	0.0	84	27342	9.50	
79 1,1,2-Trichloroethane	83	7.421	7.421	0.0	67	17471	10.2	
81 Tetrachloroethene	166	7.519	7.525	-0.006	89	32784	10.8	
82 1,3-Dichloropropane	76	7.585	7.585	0.0	82	36802	10.4	
80 2-Hexanone	43	7.598	7.591	0.007	95	99946	49.7	
83 Chlorodibromomethane	129	7.835	7.829	0.006	49	17023	8.84	
84 Ethylene Dibromide	107	7.963	7.963	0.0	80	23467	9.91	
87 Chlorobenzene	112	8.413	8.413	0.0	93	81391	10.4	
88 Ethylbenzene	91	8.480	8.474	0.006	96	123158	10.5	
89 1,1,1,2-Tetrachloroethane	131	8.492	8.492	0.0	78	21355	9.35	
90 m-Xylene & p-Xylene	106	8.589	8.589	0.0	99	104897	21.2	
91 o-Xylene	106	9.027	9.027	0.0	90	50041	10.4	
92 Styrene	104	9.046	9.045	0.001	92	80988	10.3	
95 Bromoform	173	9.319	9.325	-0.006	79	8777	8.11	
94 Isopropylbenzene	105	9.386	9.386	0.0	91	127196	10.7	
97 1,1,2,2-Tetrachloroethane	83	9.757	9.757	0.0	77	29550	10.2	
101 Bromobenzene	156	9.769	9.769	0.0	84	36282	10.6	
98 trans-1,4-Dichloro-2-butene	53	9.800	9.800	0.0	43	35677	48.8	
99 N-Propylbenzene	91	9.800	9.800	0.0	94	145106	10.7	
100 1,2,3-Trichloropropane	110	9.812	9.812	0.0	47	10570	10.7	
103 2-Chlorotoluene	126	9.934	9.934	0.0	96	34329	10.6	
102 1,3,5-Trimethylbenzene	105	9.964	9.964	0.0	74	106010	10.6	
105 4-Chlorotoluene	126	10.031	10.037	-0.006	91	34724	10.4	
106 tert-Butylbenzene	134	10.280	10.280	0.0	83	26554	10.7	
107 1,2,4-Trimethylbenzene	105	10.335	10.329	0.006	91	105543	10.6	
109 sec-Butylbenzene	105	10.481	10.481	0.0	86	137961	10.7	
110 4-Isopropyltoluene	119	10.603	10.603	0.0	91	123416	10.6	
111 1,3-Dichlorobenzene	146	10.646	10.645	0.001	87	69032	10.6	
113 1,4-Dichlorobenzene	146	10.725	10.725	0.001	92	70735	10.6	
115 n-Butylbenzene	91	10.974	10.974	0.0	91	96299	10.5	
116 1,2-Dichlorobenzene	146	11.065	11.065	0.0	95	64751	10.4	
117 1,2-Dibromo-3-Chloropropane	75	11.741	11.740	0.001	25	3422	9.02	
119 1,2,4-Trichlorobenzene	180	12.385	12.391	-0.006	84	38900	10.2	

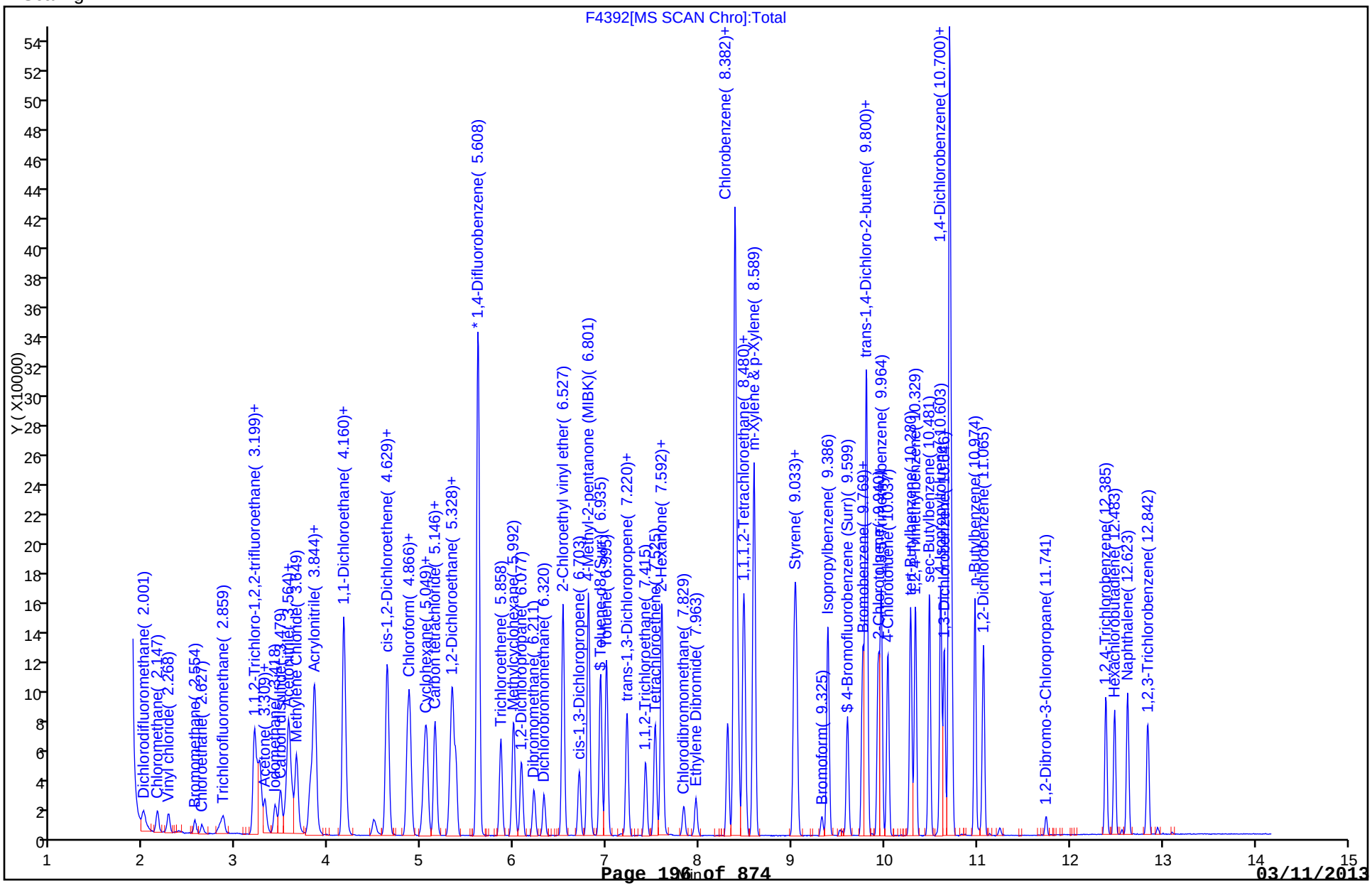
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
120 Hexachlorobutadiene	225	12.483	12.483	0.0	81	21081	10.5	
121 Naphthalene	128	12.623	12.623	0.0	90	100993	9.94	
122 1,2,3-Trichlorobenzene	180	12.842	12.842	0.0	85	34471	10.2	
S 123 Total BTEX	1				0		63.1	
S 124 Xylenes, Total	1				0		31.5	
S 125 1,2-Dichloroethene, Total	1				0		20.9	
S 126 1,3-Dichloropropene, Total	1				0		19.0	

Report Date: 26-Dec-2012 09:55:46 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973F\20121217-17620.b\F4392.D		
Injection Date:	17-Dec-2012 13:05:30	Limit Group:	MV - 8260MCP_RCP
Client ID:		Instrument ID:	HP5973F
Lims Batch ID:	96157	Lims Sample ID:	5
Operator ID:	jmb	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:



TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973F\20121217-17620.b\F4393.D		
Lims ID:	STD4	Client ID:	
Inject. Date:	17-Dec-2012 13:31:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	STD4		
Misc. Info.:	480-0017620-006 =480-0017620-006		
Operator:	jmb	Instrument ID:	HP5973F
Purge Vol:	5.000 mL	ALS Bottle#:	6
Lims Batch ID:	96157	Lims Sample ID:	6
Sublist:	chrom-F-8260 SOIL*sub1		
Detector:	MS SCAN		

Method:	\\Bufchrom\ChromData\HP5973F\20121217-17620.b\F-8260 SOIL.m		
Last Update:	26-Dec-2012 09:55:45	Calib Date:	17-Dec-2012 14:47:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973F\20121217-17620.b\F4396.D		
Limit Group:	MV - 8260MCP_RCP		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	ZB-624	Column Dia:	0.25 mm
Process Host:	XAWRK019		

First Level Reviewer: ByrnesJ Date: 17-Dec-2012 16:10:26

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.614	5.608	0.006	93	368339	50.0	
* 2 Chlorobenzene-d5	82	8.382	8.382	0.0	70	154336	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.700	10.700	0.0	91	172607	50.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.310	5.304	0.006	94	26152	21.5	
$ 5 Toluene-d8 (Surr)	98	6.934	6.934	0.0	89	194196	21.8	
$ 6 4-Bromofluorobenzene (Surr)	174	9.599	9.599	0.0	91	67032	21.8	
10 Dichlorodifluoromethane	85	2.007	2.001	0.006	74	38802	22.6	
12 Chloromethane	50	2.153	2.153	0.0	88	40456	21.9	
13 Vinyl chloride	62	2.274	2.274	0.0	74	39754	21.7	
14 Bromomethane	94	2.560	2.554	0.006	80	14237	22.1	
15 Chloroethane	64	2.633	2.633	0.0	70	14398	22.3	
17 Trichlorofluoromethane	101	2.858	2.852	0.006	75	51469	21.7	
20 Acrolein	56	3.199	3.193	0.006	93	164807	423.5	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.229	3.230	-0.001	76	47080	22.4	
22 1,1-Dichloroethene	96	3.260	3.260	0.0	82	47253	22.7	
23 Acetone	43	3.309	3.309	0.0	96	89521	100.6	
25 Iodomethane	142	3.424	3.424	0.0	96	74227	22.1	
26 Carbon disulfide	76	3.479	3.479	0.0	98	134264	20.5	
27 Methyl acetate	43	3.534	3.528	0.006	89	61491	20.8	
29 Acetonitrile	40	3.564	3.564	0.0	99	170539	819.4	
30 Methylene Chloride	84	3.649	3.649	0.0	84	54505	21.3	
32 Methyl tert-butyl ether	73	3.807	3.807	0.0	88	136368	21.3	
34 trans-1,2-Dichloroethene	96	3.844	3.838	0.006	93	54925	22.1	
33 Acrylonitrile	53	3.856	3.856	0.0	97	115892	103.5	
37 Vinyl acetate	43	4.160	4.160	0.0	97	501123	109.6	
39 1,1-Dichloroethane	63	4.179	4.179	0.0	89	85898	21.7	
43 2-Butanone (MEK)	43	4.623	4.623	0.0	99	146560	102.1	
44 2,2-Dichloropropane	77	4.623	4.629	-0.006	53	63179	21.1	
45 cis-1,2-Dichloroethene	96	4.635	4.635	0.0	65	60049	22.0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
48 Chlorobromomethane	128	4.848	4.842	0.006	86	30452	21.7	
49 Tetrahydrofuran	42	4.866	4.860	0.006	88	96480	102.2	
50 Chloroform	83	4.878	4.878	0.0	80	83311	21.7	
51 1,1,1-Trichloroethane	97	5.030	5.024	0.006	85	70232	21.0	
52 Cyclohexane	56	5.055	5.055	0.0	88	90357	21.9	
54 1,1-Dichloropropene	75	5.146	5.140	0.006	92	66329	22.1	
55 Carbon tetrachloride	117	5.158	5.152	0.006	75	53808	19.3	
57 Benzene	78	5.334	5.334	0.0	96	204904	21.8	
58 1,2-Dichloroethane	62	5.371	5.371	0.0	74	62572	21.4	
62 Trichloroethene	95	5.858	5.858	0.0	87	53864	21.8	
64 Methylcyclohexane	83	5.998	5.991	0.007	87	94927	22.0	
65 1,2-Dichloropropane	63	6.083	6.077	0.006	90	49022	21.5	
67 Dibromomethane	93	6.217	6.210	0.007	77	28421	21.3	
68 Dichlorobromomethane	83	6.326	6.320	0.006	87	50035	19.2	
69 2-Chloroethyl vinyl ether	63	6.527	6.527	0.0	91	169569	107.6	
72 cis-1,3-Dichloropropene	75	6.703	6.703	0.0	79	69010	20.0	
73 4-Methyl-2-pentanone (MIBK)	43	6.801	6.801	0.0	95	287134	106.3	
74 Toluene	92	6.995	6.995	0.0	98	137082	22.1	
75 Ethyl methacrylate	69	7.214	7.214	0.0	87	63586	21.7	
77 trans-1,3-Dichloropropene	75	7.220	7.220	0.0	93	59839	20.1	
79 1,1,2-Trichloroethane	83	7.421	7.421	0.0	82	35431	21.5	
81 Tetrachloroethene	166	7.524	7.525	-0.001	88	64246	22.0	
82 1,3-Dichloropropane	76	7.585	7.585	0.0	89	73722	21.6	
80 2-Hexanone	43	7.597	7.591	0.006	95	205089	105.9	
83 Chlorodibromomethane	129	7.835	7.829	0.006	79	37845	17.7	
84 Ethylene Dibromide	107	7.963	7.963	-0.001	83	49880	21.9	
87 Chlorobenzene	112	8.413	8.413	0.0	95	163884	21.8	
88 Ethylbenzene	91	8.480	8.474	0.006	96	251228	22.3	
89 1,1,1,2-Tetrachloroethane	131	8.492	8.492	0.0	83	46776	19.7	
90 m-Xylene & p-Xylene	106	8.589	8.589	0.0	99	212695	44.6	
91 o-Xylene	106	9.027	9.027	0.0	93	103092	22.2	
92 Styrene	104	9.045	9.045	0.0	94	169160	22.4	
95 Bromoform	173	9.325	9.325	0.0	85	21122	16.0	
94 Isopropylbenzene	105	9.386	9.386	0.0	92	263996	22.2	
97 1,1,2,2-Tetrachloroethane	83	9.757	9.757	0.0	82	60843	21.0	
101 Bromobenzene	156	9.769	9.769	0.0	84	74010	21.7	
98 trans-1,4-Dichloro-2-butene	53	9.800	9.800	0.0	52	78110	107.0	
99 N-Propylbenzene	91	9.806	9.800	0.006	95	301280	22.3	
100 1,2,3-Trichloropropane	110	9.812	9.812	0.0	54	20285	20.6	
103 2-Chlorotoluene	126	9.934	9.934	0.0	98	70030	21.7	
102 1,3,5-Trimethylbenzene	105	9.964	9.964	0.0	85	220397	22.0	
105 4-Chlorotoluene	126	10.037	10.037	0.0	95	73827	22.2	
106 tert-Butylbenzene	134	10.280	10.280	0.0	82	54860	22.0	
107 1,2,4-Trimethylbenzene	105	10.329	10.329	0.0	94	219010	22.0	
109 sec-Butylbenzene	105	10.481	10.481	0.0	91	287237	22.4	
110 4-Isopropyltoluene	119	10.603	10.603	0.0	95	261094	22.5	
111 1,3-Dichlorobenzene	146	10.645	10.645	0.0	89	141704	21.8	
113 1,4-Dichlorobenzene	146	10.724	10.725	0.0	95	142533	21.4	
115 n-Butylbenzene	91	10.974	10.974	0.0	93	205199	22.3	
116 1,2-Dichlorobenzene	146	11.065	11.065	0.0	98	132919	21.5	
117 1,2-Dibromo-3-Chloropropane	75	11.740	11.740	0.0	59	8007	17.9	
119 1,2,4-Trichlorobenzene	180	12.391	12.391	0.0	91	84732	22.2	

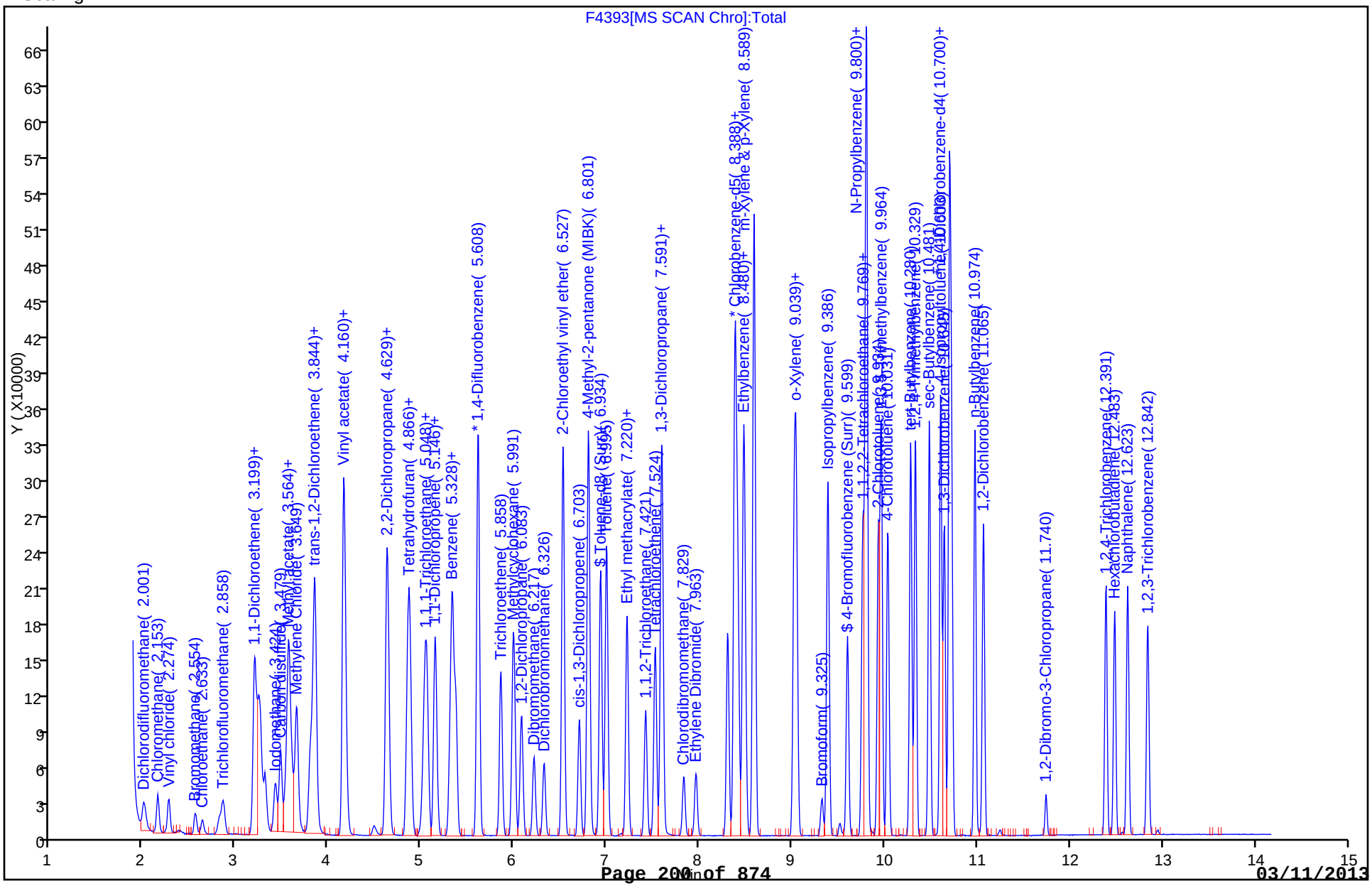
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
120 Hexachlorobutadiene	225	12.483	12.483	0.0	89	45787	22.8	
121 Naphthalene	128	12.623	12.623	0.0	95	213920	21.1	
122 1,2,3-Trichlorobenzene	180	12.842	12.842	0.0	93	75828	22.5	
S 123 Total BTEX	1				0		132.9	
S 124 Xylenes, Total	1				0		66.8	
S 125 1,2-Dichloroethene, Total	1				0		44.1	
S 126 1,3-Dichloropropene, Total	1				0		40.1	

Report Date: 26-Dec-2012 09:55:45 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973F\20121217-17620.b\F4393.D		
Injection Date:	17-Dec-2012 13:31:30	Limit Group:	MV - 8260MCP_RCP
Client ID:		Instrument ID:	HP5973F
Lims Batch ID:	96157	Lims Sample ID:	6
Operator ID:	jmb	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:



TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973F\20121217-17620.b\F4394.D		
Lims ID:	STD5	Client ID:	
Inject. Date:	17-Dec-2012 13:56:30	Dil. Factor:	1.0000
Sample Type:	ICIS	Calib Level:	5
Sample ID:	STD5		
Misc. Info.:	480-0017620-007 =480-0017620-007		
Operator:	jmb	Instrument ID:	HP5973F
Purge Vol:	5.000 mL	ALS Bottle#:	7
Lims Batch ID:	96157	Lims Sample ID:	7
Sublist:	chrom-F-8260 SOIL*sub1		
Detector:	MS SCAN		

Method:	\\Bufchrom\ChromData\HP5973F\20121217-17620.b\F-8260 SOIL.m		
Last Update:	26-Dec-2012 09:55:44	Calib Date:	17-Dec-2012 14:47:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973F\20121217-17620.b\F4396.D		
Limit Group:	MV - 8260MCP_RCP		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	ZB-624	Column Dia:	0.25 mm
Process Host:	XAWRK019		

First Level Reviewer: ByrnesJ Date: 17-Dec-2012 16:04:20

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.608	5.608	0.0	92	375611	50.0	
* 2 Chlorobenzene-d5	82	8.382	8.382	0.0	73	160442	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.700	10.700	0.0	84	179570	50.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.304	5.304	0.0	95	58798	47.5	
$ 5 Toluene-d8 (Surr)	98	6.934	6.934	0.0	90	452163	48.7	
$ 6 4-Bromofluorobenzene (Surr)	174	9.599	9.599	0.0	92	149988	47.0	
10 Dichlorodifluoromethane	85	2.001	2.001	0.0	85	87277	48.5	
12 Chloromethane	50	2.153	2.153	0.0	89	99266	52.7	
13 Vinyl chloride	62	2.274	2.274	0.0	82	96111	50.5	
14 Bromomethane	94	2.554	2.554	0.0	86	32596	43.9	
15 Chloroethane	64	2.633	2.633	0.0	93	33597	51.1	
17 Trichlorofluoromethane	101	2.852	2.852	0.0	82	116860	47.0	
20 Acrolein	56	3.193	3.193	0.0	95	409078	1030.8	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.230	3.230	0.0	80	101280	46.1	
22 1,1-Dichloroethene	96	3.260	3.260	0.0	84	112617	53.1	
23 Acetone	43	3.309	3.309	0.0	98	233140	256.8	
25 Iodomethane	142	3.424	3.424	0.0	96	178314	52.0	
26 Carbon disulfide	76	3.479	3.479	0.0	98	333571	48.4	
27 Methyl acetate	43	3.528	3.528	0.0	91	151753	50.4	
29 Acetonitrile	40	3.564	3.564	0.0	99	433814	2044.0	
30 Methylene Chloride	84	3.649	3.649	0.0	85	131055	50.3	
32 Methyl tert-butyl ether	73	3.807	3.807	0.0	87	337049	51.6	
34 trans-1,2-Dichloroethene	96	3.838	3.838	0.0	96	133876	52.7	
33 Acrylonitrile	53	3.856	3.856	0.0	100	296321	259.4	
37 Vinyl acetate	43	4.160	4.160	0.0	97	1225317	262.9	
39 1,1-Dichloroethane	63	4.179	4.179	0.0	84	208577	51.7	
43 2-Butanone (MEK)	43	4.623	4.623	0.0	100	381605	260.6	
44 2,2-Dichloropropane	77	4.629	4.629	0.0	63	157937	50.3	
45 cis-1,2-Dichloroethene	96	4.635	4.635	0.0	68	145058	52.1	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
48 Chlorobromomethane	128	4.842	4.842	0.0	88	76320	53.3	
49 Tetrahydrofuran	42	4.860	4.860	0.0	89	251879	261.6	
50 Chloroform	83	4.878	4.878	0.0	81	204952	52.2	
51 1,1,1-Trichloroethane	97	5.024	5.024	0.0	92	173677	49.6	
52 Cyclohexane	56	5.055	5.055	0.0	88	204441	47.7	
54 1,1-Dichloropropene	75	5.140	5.140	0.0	92	161084	52.7	
55 Carbon tetrachloride	117	5.152	5.152	0.0	78	140809	46.8	
57 Benzene	78	5.334	5.334	0.0	97	495767	51.7	
58 1,2-Dichloroethane	62	5.371	5.371	0.0	77	152590	51.1	
62 Trichloroethene	95	5.858	5.858	0.0	90	133024	52.7	
64 Methylcyclohexane	83	5.991	5.991	0.0	88	210064	46.5	
65 1,2-Dichloropropane	63	6.077	6.077	0.0	94	121957	52.5	
67 Dibromomethane	93	6.210	6.210	0.0	88	72928	53.6	
68 Dichlorobromomethane	83	6.320	6.320	0.0	92	136701	48.4	
69 2-Chloroethyl vinyl ether	63	6.527	6.527	0.0	93	426856	265.7	
72 cis-1,3-Dichloropropene	75	6.703	6.703	0.0	86	179177	49.1	
73 4-Methyl-2-pentanone (MIBK)	43	6.801	6.801	0.0	95	734574	261.6	
74 Toluene	92	6.995	6.995	0.0	98	330879	51.2	
75 Ethyl methacrylate	69	7.214	7.214	0.0	90	165518	54.4	
77 trans-1,3-Dichloropropene	75	7.220	7.220	0.0	90	160022	49.8	
79 1,1,2-Trichloroethane	83	7.421	7.421	0.0	83	89843	52.5	
81 Tetrachloroethene	166	7.525	7.525	0.0	91	158669	52.2	
82 1,3-Dichloropropane	76	7.585	7.585	0.0	90	182455	51.4	
80 2-Hexanone	43	7.591	7.591	0.0	94	532588	264.4	
83 Chlorodibromomethane	129	7.829	7.829	0.0	87	110180	45.7	
84 Ethylene Dibromide	107	7.963	7.963	0.0	97	125999	53.1	
87 Chlorobenzene	112	8.413	8.413	0.0	95	399228	51.1	
88 Ethylbenzene	91	8.474	8.474	0.0	97	611561	52.2	
89 1,1,1,2-Tetrachloroethane	131	8.492	8.492	0.0	87	126642	49.2	
90 m-Xylene & p-Xylene	106	8.589	8.589	0.0	100	517496	104.3	
91 o-Xylene	106	9.027	9.027	0.0	93	251121	52.0	
92 Styrene	104	9.045	9.045	0.0	95	420599	53.5	
95 Bromoform	173	9.325	9.325	0.0	95	68628	43.8	
94 Isopropylbenzene	105	9.386	9.386	0.0	94	641525	51.9	
97 1,1,2,2-Tetrachloroethane	83	9.757	9.757	0.0	87	161801	53.7	
101 Bromobenzene	156	9.769	9.769	0.0	86	182207	51.3	
98 trans-1,4-Dichloro-2-butene	53	9.800	9.800	0.0	54	204459	269.3	
99 N-Propylbenzene	91	9.800	9.800	0.0	95	733386	52.3	
100 1,2,3-Trichloropropane	110	9.812	9.812	0.0	79	53233	51.9	
103 2-Chlorotoluene	126	9.934	9.934	0.0	98	173167	51.6	
102 1,3,5-Trimethylbenzene	105	9.964	9.964	0.0	94	541912	52.0	
105 4-Chlorotoluene	126	10.037	10.037	0.0	95	179667	52.0	
106 tert-Butylbenzene	134	10.280	10.280	0.0	88	134940	52.1	
107 1,2,4-Trimethylbenzene	105	10.329	10.329	0.0	95	537496	51.9	
109 sec-Butylbenzene	105	10.481	10.481	0.0	92	698408	52.4	
110 4-Isopropyltoluene	119	10.603	10.603	0.0	94	633782	52.4	
111 1,3-Dichlorobenzene	146	10.645	10.645	0.0	95	342595	50.7	
113 1,4-Dichlorobenzene	146	10.725	10.725	0.0	96	344052	49.7	
115 n-Butylbenzene	91	10.974	10.974	0.0	93	505507	52.9	
116 1,2-Dichlorobenzene	146	11.065	11.065	0.0	98	325565	50.6	
117 1,2-Dibromo-3-Chloropropane	75	11.740	11.740	0.0	80	24824	48.8	
119 1,2,4-Trichlorobenzene	180	12.391	12.391	0.0	94	209211	52.8	

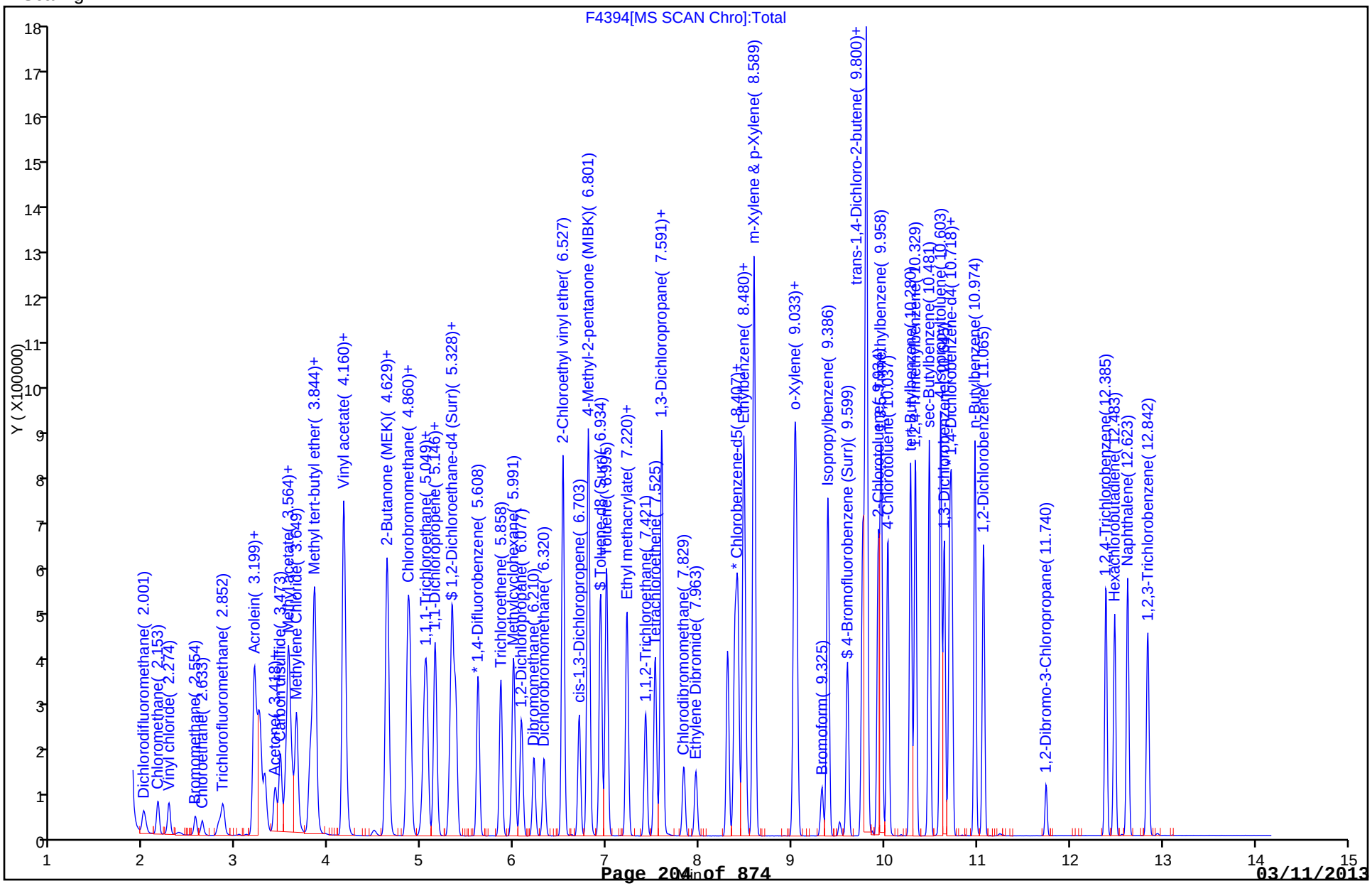
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
120 Hexachlorobutadiene	225	12.483	12.483	0.0	94	110386	52.9	
121 Naphthalene	128	12.623	12.623	0.0	96	556405	52.7	
122 1,2,3-Trichlorobenzene	180	12.842	12.842	0.0	95	190996	54.5	
S 123 Total BTEX	1				0		311.4	
S 124 Xylenes, Total	1				0		156.3	
S 125 1,2-Dichloroethene, Total	1				0		104.9	
S 126 1,3-Dichloropropene, Total	1				0		98.9	

Report Date: 26-Dec-2012 09:55:44 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973F\20121217-17620.b\F4394.D		
Injection Date:	17-Dec-2012 13:56:30	Limit Group:	MV - 8260MCP_RCP
Client ID:		Instrument ID:	HP5973F
Lims Batch ID:	96157	Lims Sample ID:	7
Operator ID:	jmb	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:



TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973F\20121217-17620.b\F4395.D		
Lims ID:	STD6	Client ID:	
Inject. Date:	17-Dec-2012 14:22:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	6
Sample ID:	STD6		
Misc. Info.:	480-0017620-008 =480-0017620-008		
Operator:	jmb	Instrument ID:	HP5973F
Purge Vol:	5.000 mL	ALS Bottle#:	8
Lims Batch ID:	96157	Lims Sample ID:	8
Sublist:	chrom-F-8260 SOIL*sub1		
Detector:	MS SCAN		

Method:	\\Bufchrom\ChromData\HP5973F\20121217-17620.b\F-8260 SOIL.m		
Last Update:	26-Dec-2012 09:57:02	Calib Date:	17-Dec-2012 14:47:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973F\20121217-17620.b\F4396.D		
Limit Group:	MV - 8260MCP_RCP		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	ZB-624	Column Dia:	0.25 mm
Process Host:	XAWRK019		

First Level Reviewer: ByrnesJ Date: 17-Dec-2012 16:04:27

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.614	5.608	0.006	93	386270	50.0	
* 2 Chlorobenzene-d5	82	8.382	8.382	0.0	70	166078	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.700	10.700	0.0	66	185074	50.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.304	5.304	0.0	96	127278	99.9	
$ 5 Toluene-d8 (Surr)	98	6.934	6.934	0.0	91	926359	96.4	
$ 6 4-Bromofluorobenzene (Surr)	174	9.599	9.599	0.0	94	317175	95.9	
10 Dichlorodifluoromethane	85	2.001	2.001	0.0	87	193635	103.5	
12 Chloromethane	50	2.159	2.153	0.006	89	199464	103.0	
13 Vinyl chloride	62	2.280	2.274	0.006	84	199360	101.1	
14 Bromomethane	94	2.560	2.554	0.006	89	70649	87.4	
15 Chloroethane	64	2.633	2.633	0.0	93	71435	105.7	
17 Trichlorofluoromethane	101	2.858	2.852	0.006	85	256081	98.8	
20 Acrolein	56	3.193	3.193	0.0	98	874364	2142.4	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.229	3.230	-0.001	82	235191	102.6	
22 1,1-Dichloroethene	96	3.260	3.260	0.0	83	235237	107.8	
23 Acetone	43	3.309	3.309	0.0	98	497431	532.8	
25 Iodomethane	142	3.424	3.424	0.0	97	373073	105.7	
26 Carbon disulfide	76	3.479	3.479	0.0	99	727106	101.3	
27 Methyl acetate	43	3.534	3.528	0.006	90	334078	107.8	
29 Acetonitrile	40	3.564	3.564	0.0	99	926969	4247.1	
30 Methylene Chloride	84	3.649	3.649	0.0	85	265068	98.8	
32 Methyl tert-butyl ether	73	3.807	3.807	0.0	90	716823	106.8	
34 trans-1,2-Dichloroethene	96	3.838	3.838	0.0	96	272139	104.2	
33 Acrylonitrile	53	3.856	3.856	0.0	99	643738	548.0	
37 Vinyl acetate	43	4.160	4.160	0.0	97	2511929	524.1	
39 1,1-Dichloroethane	63	4.178	4.179	-0.001	84	418599	101.0	
43 2-Butanone (MEK)	43	4.623	4.623	0.0	100	831150	551.9	
44 2,2-Dichloropropane	77	4.629	4.629	0.0	74	327318	100.5	
45 cis-1,2-Dichloroethene	96	4.635	4.635	0.0	69	293929	102.7	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
48 Chlorobromomethane	128	4.848	4.842	0.006	89	155117	105.3	
49 Tetrahydrofuran	42	4.860	4.860	0.0	88	548073	553.5	
50 Chloroform	83	4.878	4.878	0.0	80	415748	103.1	
51 1,1,1-Trichloroethane	97	5.024	5.024	0.0	92	364932	100.3	
52 Cyclohexane	56	5.055	5.055	0.0	89	457508	102.9	
54 1,1-Dichloropropene	75	5.146	5.140	0.006	94	336371	107.0	
55 Carbon tetrachloride	117	5.158	5.152	0.006	79	313317	99.2	
57 Benzene	78	5.334	5.334	0.0	97	1000297	101.4	
58 1,2-Dichloroethane	62	5.371	5.371	0.0	77	313411	102.1	
62 Trichloroethene	95	5.858	5.858	0.0	90	275340	106.0	
64 Methylcyclohexane	83	5.991	5.991	0.0	88	485303	103.2	
65 1,2-Dichloropropane	63	6.077	6.077	0.0	95	251818	105.5	
67 Dibromomethane	93	6.216	6.210	0.006	86	153845	110.0	
68 Dichlorobromomethane	83	6.326	6.320	0.006	94	298355	100.7	
69 2-Chloroethyl vinyl ether	63	6.527	6.527	0.0	92	906150	548.4	
72 cis-1,3-Dichloropropene	75	6.703	6.703	0.0	91	386716	101.8	
73 4-Methyl-2-pentanone (MIBK)	43	6.801	6.801	-0.001	95	1569801	540.1	
74 Toluene	92	6.995	6.995	0.0	93	673678	100.7	
75 Ethyl methacrylate	69	7.214	7.214	0.0	89	363157	115.2	
77 trans-1,3-Dichloropropene	75	7.220	7.220	0.0	91	340873	101.2	
79 1,1,2-Trichloroethane	83	7.421	7.421	0.0	84	189759	107.2	
81 Tetrachloroethene	166	7.524	7.525	-0.001	91	325304	103.3	
82 1,3-Dichloropropane	76	7.585	7.585	0.0	89	374366	101.8	
80 2-Hexanone	43	7.597	7.591	0.006	94	1162768	557.8	
83 Chlorodibromomethane	129	7.829	7.829	0.0	87	257382	100.5	
84 Ethylene Dibromide	107	7.962	7.963	-0.001	98	267534	109.0	
87 Chlorobenzene	112	8.413	8.413	0.0	95	809750	100.2	
88 Ethylbenzene	91	8.480	8.474	0.006	97	1234419	101.9	
89 1,1,1,2-Tetrachloroethane	131	8.492	8.492	0.0	88	272605	100.9	
90 m-Xylene & p-Xylene	106	8.589	8.589	0.0	99	1037308	202.0	
91 o-Xylene	106	9.027	9.027	0.0	93	509459	101.9	
92 Styrene	104	9.045	9.045	0.0	95	859276	105.5	
95 Bromoform	173	9.325	9.325	0.0	98	171804	101.9	
94 Isopropylbenzene	105	9.386	9.386	0.0	94	1300991	102.2	
97 1,1,2,2-Tetrachloroethane	83	9.757	9.757	0.0	87	340931	109.7	
101 Bromobenzene	156	9.769	9.769	0.0	86	369915	101.1	
98 trans-1,4-Dichloro-2-butene	53	9.800	9.800	0.0	58	445099	568.9	
99 N-Propylbenzene	91	9.800	9.800	0.0	94	1469919	101.6	
100 1,2,3-Trichloropropane	110	9.812	9.812	0.0	58	110911	104.9	
103 2-Chlorotoluene	126	9.934	9.934	0.0	98	354127	102.4	
102 1,3,5-Trimethylbenzene	105	9.964	9.964	0.0	86	1099167	102.3	
105 4-Chlorotoluene	126	10.037	10.037	0.0	95	361363	101.4	
106 tert-Butylbenzene	134	10.280	10.280	0.0	88	277076	103.9	
107 1,2,4-Trimethylbenzene	105	10.335	10.329	0.006	95	1091313	102.3	
109 sec-Butylbenzene	105	10.481	10.481	0.0	93	1418344	103.2	
110 4-Isopropyltoluene	119	10.603	10.603	0.0	96	1297486	104.1	
111 1,3-Dichlorobenzene	146	10.645	10.645	0.0	95	695739	99.9	
113 1,4-Dichlorobenzene	146	10.724	10.725	0.0	96	707446	99.2	
115 n-Butylbenzene	91	10.974	10.974	0.0	93	1031559	104.7	
116 1,2-Dichlorobenzene	146	11.065	11.065	0.0	98	667261	100.5	
117 1,2-Dibromo-3-Chloropropane	75	11.740	11.740	0.0	86	60147	111.5	
119 1,2,4-Trichlorobenzene	180	12.391	12.391	0.0	93	444246	108.7	

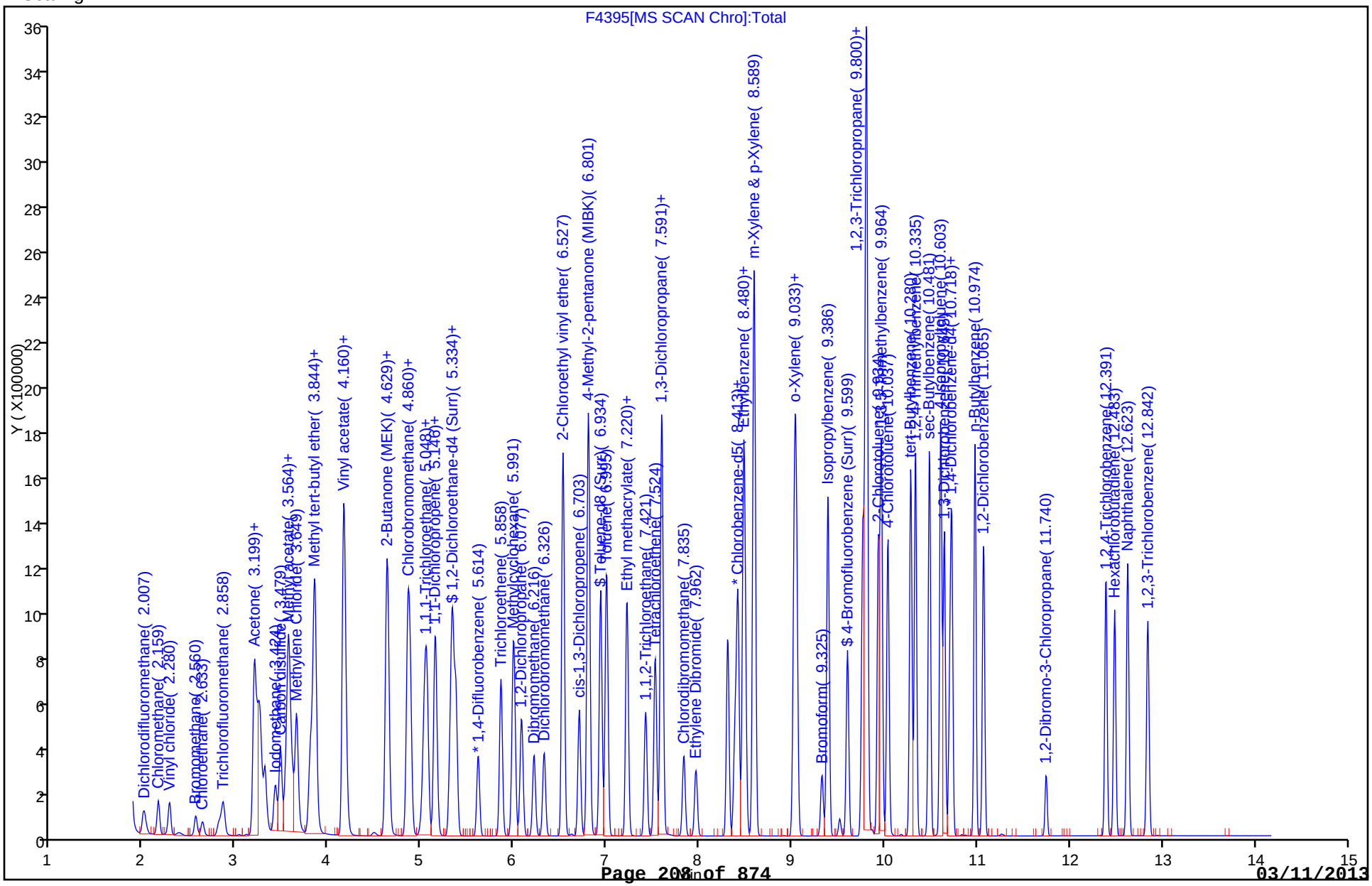
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
120 Hexachlorobutadiene	225	12.483	12.483	0.0	95	230319	107.1	
121 Naphthalene	128	12.623	12.623	-0.001	96	1204755	110.8	
122 1,2,3-Trichlorobenzene	180	12.842	12.842	0.0	94	398722	110.5	
S 123 Total BTEX	1				0		607.9	
S 124 Xylenes, Total	1				0		303.9	
S 125 1,2-Dichloroethene, Total	1				0		206.9	
S 126 1,3-Dichloropropene, Total	1				0		203.0	

Report Date: 26-Dec-2012 09:57:02 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973F\20121217-17620.b\F4395.D		
Injection Date:	17-Dec-2012 14:22:30	Limit Group:	MV - 8260MCP_RCP
Client ID:		Instrument ID:	HP5973F
Lims Batch ID:	96157	Lims Sample ID:	8
Operator ID:	jmb	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:



TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973F\20121217-17620.b\F4396.D		
Lims ID:	STD7	Client ID:	
Inject. Date:	17-Dec-2012 14:47:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	7
Sample ID:	FIBLK		
Misc. Info.:	480-0017620-009 =480-0017620-009		
Operator:	jmb	Instrument ID:	HP5973F
Purge Vol:	5.000 mL	ALS Bottle#:	9
Lims Batch ID:	96157	Lims Sample ID:	12
Sublist:	chrom-F-8260 SOIL*sub1		
Detector:	MS SCAN		

Method:	\\Bufchrom\ChromData\HP5973F\20121217-17620.b\F-8260 SOIL.m		
Last Update:	26-Dec-2012 09:55:42	Calib Date:	17-Dec-2012 14:47:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973F\20121217-17620.b\F4396.D		
Limit Group:	MV - 8260MCP_RCP		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	ZB-624	Column Dia:	0.25 mm
Process Host:	XAWRK019		

First Level Reviewer: ByrnesJ Date: 17-Dec-2012 16:04:34

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.614	5.608	0.006	92	397630	50.0	
* 2 Chlorobenzene-d5	82	8.382	8.382	0.0	68	167284	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.700	10.700	0.0	91	175273	50.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.310	5.304	0.006	95	247165	188.5	
$ 5 Toluene-d8 (Surr)	98	6.935	6.934	0.001	82	1831091	189.3	
$ 6 4-Bromofluorobenzene (Surr)	174	9.599	9.599	0.0	94	612918	184.0	
10 Dichlorodifluoromethane	85	2.001	2.001	0.0	87	379204	195.9	
12 Chloromethane	50	2.165	2.153	0.012	89	405438	203.5	
13 Vinyl chloride	62	2.287	2.274	0.013	84	401931	197.3	
14 Bromomethane	94	2.573	2.554	0.019	89	178164	207.4	
15 Chloroethane	64	2.640	2.633	0.007	95	173972	250.1	
17 Trichlorofluoromethane	101	2.859	2.852	0.007	86	544413	202.9	
20 Acrolein	56	3.193	3.193	0.0	96	1545677	3679.0	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.230	3.230	0.0	82	472983	199.5	
22 1,1-Dichloroethene	96	3.260	3.260	0.0	84	475213	211.6	
23 Acetone	43	3.309	3.309	0.0	98	844684	879.0	
25 Iodomethane	142	3.424	3.424	0.0	97	743356	204.6	
26 Carbon disulfide	76	3.479	3.479	0.0	99	1487822	200.4	
27 Methyl acetate	43	3.534	3.528	0.006	91	576783	180.9	
29 Acetonitrile	40	3.564	3.564	0.0	100	1593774	7093.6	
30 Methylene Chloride	84	3.656	3.649	0.007	84	527420	191.0	
32 Methyl tert-butyl ether	73	3.808	3.807	0.001	90	1355505	196.2	
34 trans-1,2-Dichloroethene	96	3.838	3.838	0.0	95	543627	202.2	
33 Acrylonitrile	53	3.856	3.856	0.0	99	1109642	917.7	
37 Vinyl acetate	43	4.160	4.160	0.0	97	4402572	892.3	
39 1,1-Dichloroethane	63	4.179	4.179	0.0	84	834313	195.5	
43 2-Butanone (MEK)	43	4.623	4.623	0.0	100	1367365	882.1	
44 2,2-Dichloropropane	77	4.629	4.629	0.0	84	668038	198.4	
45 cis-1,2-Dichloroethene	96	4.641	4.635	0.006	69	581388	197.4	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
48 Chlorobromomethane	128	4.848	4.842	0.006	88	306814	202.2	
49 Tetrahydrofuran	42	4.860	4.860	0.0	88	903463	886.3	
50 Chloroform	83	4.878	4.878	0.0	81	833761	200.8	
51 1,1,1-Trichloroethane	97	5.030	5.024	0.006	92	751313	199.6	
52 Cyclohexane	56	5.055	5.055	0.0	89	909302	197.9	
54 1,1-Dichloropropene	75	5.146	5.140	0.006	94	672803	207.9	
55 Carbon tetrachloride	117	5.158	5.152	0.006	81	674052	205.3	
57 Benzene	78	5.335	5.334	0.001	97	1971663	194.1	
58 1,2-Dichloroethane	62	5.371	5.371	0.0	77	610683	193.2	
62 Trichloroethene	95	5.858	5.858	0.0	91	555684	207.9	
64 Methylcyclohexane	83	5.998	5.991	0.007	88	966725	198.9	
65 1,2-Dichloropropane	63	6.083	6.077	0.006	95	503548	204.9	
67 Dibromomethane	93	6.217	6.210	0.007	84	302232	209.9	
68 Dichlorobromomethane	83	6.326	6.320	0.006	94	621618	202.0	
69 2-Chloroethyl vinyl ether	63	6.527	6.527	0.0	92	1616133	950.2	
72 cis-1,3-Dichloropropene	75	6.703	6.703	0.0	91	785045	199.6	
73 4-Methyl-2-pentanone (MIBK)	43	6.801	6.801	0.0	94	2588706	884.3	
74 Toluene	92	7.001	6.995	0.006	99	1332776	197.9	
75 Ethyl methacrylate	69	7.214	7.214	0.0	89	661246	208.3	
77 trans-1,3-Dichloropropene	75	7.220	7.220	0.0	91	680801	199.5	
79 1,1,2-Trichloroethane	83	7.421	7.421	0.0	84	368083	206.4	
81 Tetrachloroethene	166	7.525	7.525	0.0	90	647042	204.1	
82 1,3-Dichloropropane	76	7.586	7.585	0.001	91	710242	191.8	
80 2-Hexanone	43	7.598	7.591	0.007	93	1860572	886.0	
83 Chlorodibromomethane	129	7.829	7.829	0.0	87	538930	206.7	
84 Ethylene Dibromide	107	7.963	7.963	0.0	97	517479	209.2	
87 Chlorobenzene	112	8.413	8.413	0.0	96	1580446	194.1	
88 Ethylbenzene	91	8.474	8.474	0.0	97	2383094	195.3	
89 1,1,1,2-Tetrachloroethane	131	8.492	8.492	0.0	88	550016	200.9	
90 m-Xylene & p-Xylene	106	8.589	8.589	0.0	99	1985508	383.8	
91 o-Xylene	106	9.027	9.027	0.0	93	978880	194.4	
92 Styrene	104	9.046	9.045	0.001	94	1641262	200.2	
95 Bromoform	173	9.325	9.325	0.0	99	360680	209.2	
94 Isopropylbenzene	105	9.386	9.386	0.0	94	2497297	207.1	
97 1,1,2,2-Tetrachloroethane	83	9.757	9.757	0.0	86	621032	211.0	
101 Bromobenzene	156	9.770	9.769	0.001	86	701921	202.6	
98 trans-1,4-Dichloro-2-butene	53	9.800	9.800	0.0	58	746235	1007.1	
99 N-Propylbenzene	91	9.800	9.800	0.0	94	2659519	194.2	
100 1,2,3-Trichloropropane	110	9.812	9.812	0.0	73	190539	190.3	
103 2-Chlorotoluene	126	9.934	9.934	0.0	98	673120	205.5	
102 1,3,5-Trimethylbenzene	105	9.964	9.964	0.0	95	2050901	201.5	
105 4-Chlorotoluene	126	10.037	10.037	0.0	95	689352	204.2	
106 tert-Butylbenzene	134	10.281	10.280	0.001	88	525089	207.8	
107 1,2,4-Trimethylbenzene	105	10.335	10.329	0.006	95	2016416	199.6	
109 sec-Butylbenzene	105	10.481	10.481	0.0	93	2602892	200.0	
110 4-Isopropyltoluene	119	10.603	10.603	0.0	94	2370820	200.8	
111 1,3-Dichlorobenzene	146	10.646	10.645	0.001	95	1288731	195.4	
113 1,4-Dichlorobenzene	146	10.725	10.725	0.001	96	1288166	190.6	
115 n-Butylbenzene	91	10.974	10.974	0.0	93	1860176	199.3	
116 1,2-Dichlorobenzene	146	11.065	11.065	0.0	98	1209906	192.5	
117 1,2-Dibromo-3-Chloropropane	75	11.741	11.740	0.001	91	99512	193.0	
119 1,2,4-Trichlorobenzene	180	12.392	12.391	0.001	93	704988	182.2	

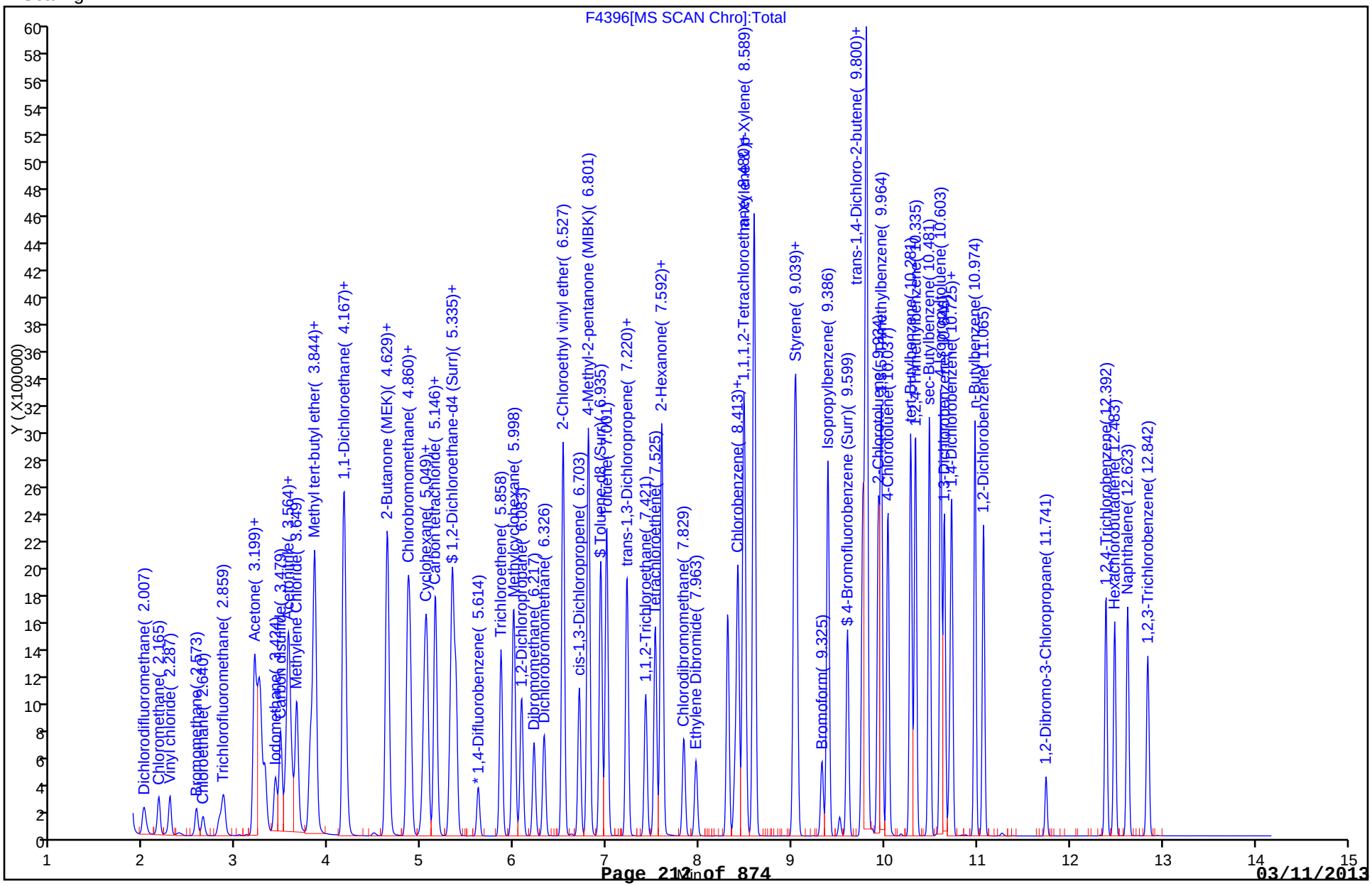
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
120 Hexachlorobutadiene	225	12.483	12.483	0.0	95	379329	186.2	
121 Naphthalene	128	12.623	12.623	0.0	96	1758675	170.8	
122 1,2,3-Trichlorobenzene	180	12.842	12.842	0.0	95	579860	169.6	
S 123 Total BTEX	1				0		1165.4	
S 124 Xylenes, Total	1				0		578.2	
S 125 1,2-Dichloroethene, Total	1				0		399.6	
S 126 1,3-Dichloropropene, Total	1				0		399.2	

Report Date: 26-Dec-2012 09:55:42 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973F\20121217-17620.b\F4396.D		
Injection Date:	17-Dec-2012 14:47:30	Limit Group:	MV - 8260MCP_RCP
Client ID:		Instrument ID:	HP5973F
Lims Batch ID:	96157	Lims Sample ID:	12
Operator ID:	jmb	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-30346-1

SDG No.:

Lab Sample ID: CCVIS 480-96559/3 Calibration Date: 12/19/2012 11:53

Instrument ID: HP5973F Calib Start Date: 12/17/2012 13:05

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/17/2012 14:47

Lab File ID: F4453.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Lin1		0.2170	0.1000	45.4	50.0	-9.2	20.0
Chloromethane	Ave	0.2506	0.2274	0.0500	45.4	50.0	-9.2	20.0
Vinyl chloride	Lin1		0.2415	0.1000	47.7	50.0	-4.7	20.0
Bromomethane	Lin		0.0899	0.0500	45.3	50.0	-9.4	20.0
Chloroethane	Ave	0.0875	0.0908*	0.1000	51.9	50.0	3.8	20.0
Trichlorofluoromethane	Lin1		0.3178	0.1000	48.0	50.0	-4.1	20.0
Acrolein	Ave	0.0528	0.0491		929	1000	-7.1	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Lin1		0.2713	0.1000	46.3	50.0	-7.3	20.0
1,1-Dichloroethene	Ave	0.2824	0.2822	0.1000	50.0	50.0	-0.0	20.0
Acetone	Ave	0.1208	0.1031	0.0500	213	250	-14.7	20.0
Iodomethane	Ave	0.4569	0.4325		47.3	50.0	-5.3	20.0
Carbon disulfide	Lin1		0.8604	0.1000	46.9	50.0	-6.2	20.0
Methyl acetate	Ave	0.4010	0.3571	0.1000	44.5	50.0	-10.9	20.0
Acetonitrile	Ave	0.0283	0.0244		1730	2000	-13.5	20.0
Methylene Chloride	Ave	0.3471	0.3224	0.1000	46.4	50.0	-7.1	20.0
Methyl tert-butyl ether	Ave	0.8688	0.8692	0.1000	50.0	50.0	0.0	20.0
trans-1,2-Dichloroethene	Ave	0.3380	0.3309	0.1000	49.0	50.0	-2.1	20.0
Acrylonitrile	Ave	0.1521	0.1396		230	250	-8.2	20.0
Vinyl acetate	Ave	0.6204	0.5984		241	250	-3.6	20.0
1,1-Dichloroethane	Ave	0.5367	0.5176	0.2000	48.2	50.0	-3.6	20.0
2-Butanone (MEK)	Ave	0.1949	0.1733	0.0500	222	250	-11.1	20.0
2,2-Dichloropropane	Lin1		0.4280		51.2	50.0	2.4	20.0
cis-1,2-Dichloroethene	Ave	0.3704	0.3582	0.1000	48.4	50.0	-3.3	20.0
Chlorobromomethane	Ave	0.1908	0.1813		47.5	50.0	-5.0	20.0
Tetrahydrofuran	Ave	0.1282	0.1167		228	250	-9.0	20.0
Chloroform	Ave	0.5222	0.5026	0.2000	48.1	50.0	-3.8	20.0
1,1,1-Trichloroethane	Lin1		0.4555	0.1000	48.9	50.0	-2.2	20.0
Cyclohexane	Lin1		0.5324	0.1000	46.7	50.0	-6.6	20.0
1,1-Dichloropropene	Ave	0.4070	0.4122		50.6	50.0	1.3	20.0
Carbon tetrachloride	Lin1		0.4021	0.1000	50.1	50.0	0.1	20.0
Benzene	Ave	1.277	1.221	0.5000	47.8	50.0	-4.4	20.0
1,2-Dichloroethane	Ave	0.3974	0.3677	0.1000	46.3	50.0	-7.5	20.0
Trichloroethene	Ave	0.3361	0.3313	0.2000	49.3	50.0	-1.4	20.0
Methylcyclohexane	Lin1		0.5696	0.1000	47.3	50.0	-5.3	20.0
1,2-Dichloropropane	Ave	0.3090	0.2975	0.1000	48.2	50.0	-3.7	20.0
Dibromomethane	Ave	0.1811	0.1776		49.0	50.0	-1.9	20.0
Dichlorobromomethane	Lin1		0.3590	0.1000	47.8	50.0	-4.4	20.0
2-Chloroethyl vinyl ether	Ave	0.2139	0.2129		249	250	-0.5	20.0
cis-1,3-Dichloropropene	Lin1		0.4806	0.2000	49.5	50.0	-1.1	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.8750	0.7905	0.0500	226	250	-9.7	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-30346-1

SDG No.:

Lab Sample ID: CCVIS 480-96559/3 Calibration Date: 12/19/2012 11:53

Instrument ID: HP5973F Calib Start Date: 12/17/2012 13:05

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/17/2012 14:47

Lab File ID: F4453.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toluene	Ave	2.013	1.921	0.4000	47.7	50.0	-4.6	20.0
Ethyl methacrylate	Ave	0.9489	0.9788		51.6	50.0	3.2	20.0
trans-1,3-Dichloropropene	Lin1		0.9882	0.1000	49.3	50.0	-1.3	20.0
1,1,2-Trichloroethane	Ave	0.5330	0.5170	0.1000	48.5	50.0	-3.0	20.0
Tetrachloroethene	Ave	0.9476	0.8902	0.1000	47.0	50.0	-6.1	20.0
1,3-Dichloropropane	Ave	1.107	1.036		46.8	50.0	-6.4	20.0
2-Hexanone	Ave	0.6276	0.5815	0.0500	232	250	-7.4	20.0
Chlorodibromomethane	Lin1		0.7043	0.1000	46.8	50.0	-6.4	20.0
Ethylene Dibromide	Ave	0.7393	0.7162	0.1000	48.4	50.0	-3.1	20.0
Chlorobenzene	Ave	2.434	2.282	0.5000	46.9	50.0	-6.3	20.0
Ethylbenzene	Ave	3.648	3.596	0.1000	49.3	50.0	-1.4	20.0
1,1,1,2-Tetrachloroethane	Lin1		0.7758		48.4	50.0	-3.3	20.0
m-Xylene & p-Xylene	Ave	1.546	1.525	0.1000	98.6	100	-1.4	20.0
o-Xylene	Ave	1.505	1.472	0.3000	48.9	50.0	-2.2	20.0
Styrene	Ave	2.451	2.455	0.3000	50.1	50.0	0.2	20.0
Bromoform	Lin1		0.4618	0.1000	47.1	50.0	-5.9	20.0
Isopropylbenzene	Ave	3.440	3.477	0.1000	50.5	50.0	1.1	20.0
1,1,2,2-Tetrachloroethane	Ave	0.8396	0.8394	0.3000	50.0	50.0	-0.0	20.0
Bromobenzene	Ave	0.9885	0.9406		47.6	50.0	-4.8	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2114	0.2238		265	250	5.9	20.0
1,2,3-Trichloropropane	Ave	0.2856	0.2655		46.5	50.0	-7.0	20.0
2-Chlorotoluene	Ave	0.9345	0.9229		49.4	50.0	-1.2	20.0
1,3,5-Trimethylbenzene	Ave	2.904	2.948		50.8	50.0	1.5	20.0
4-Chlorotoluene	Ave	0.9630	0.9393		48.8	50.0	-2.5	20.0
N-Propylbenzene	Ave	3.907	2.399		49.7	50.0	-0.6	20.0
tert-Butylbenzene	Ave	0.7207	0.7110		49.3	50.0	-1.3	20.0
1,2,4-Trimethylbenzene	Ave	2.882	2.982		51.7	50.0	3.5	20.0
sec-Butylbenzene	Ave	3.712	3.840		51.7	50.0	3.5	20.0
4-Isopropyltoluene	Ave	3.368	3.529		52.4	50.0	4.8	20.0
1,3-Dichlorobenzene	Ave	1.882	1.821	0.6000	48.4	50.0	-3.2	20.0
1,4-Dichlorobenzene	Ave	1.928	1.845	0.5000	47.9	50.0	-4.3	20.0
n-Butylbenzene	Ave	2.662	2.833		53.2	50.0	6.4	20.0
1,2-Dichlorobenzene	Ave	1.793	1.723	0.4000	48.0	50.0	-3.9	20.0
1,2-Dibromo-3-Chloropropane	Lin1		0.1454	0.0500	51.2	50.0	2.4	20.0
1,2,4-Trichlorobenzene	Ave	1.104	1.173	0.2000	53.1	50.0	6.3	20.0
Hexachlorobutadiene	Ave	0.5813	0.6360		54.7	50.0	9.4	20.0
Naphthalene	Ave	2.937	3.169		53.9	50.0	7.9	20.0
1,2,3-Trichlorobenzene	Ave	0.9751	1.056		54.1	50.0	8.3	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.1649	0.1372		41.6	50.0	-16.8	20.0
Toluene-d8 (Surr)	Ave	2.892	2.533		43.8	50.0	-12.4	20.0
4-Bromofluorobenzene (Surr)	Ave	0.995	0.8430		42.3	50.0	-15.3	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973F\20121219-17691.b\F4453.D		
Lims ID:	CCVIS	Client ID:	
Inject. Date:	19-Dec-2012 11:53:30	Dil. Factor:	1.0000
Sample Type:	CCVIS		
Sample ID:	CCVIS		
Misc. Info.:	480-0017691-003 =480-0017691-003		
Operator:	JMB	Instrument ID:	HP5973F
Purge Vol:	5.000 mL	ALS Bottle#:	3
Lims Batch ID:	96559	Lims Sample ID:	3
Sublist:	chrom-F-8260 SOIL*sub1		
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973F\20121219-17691.b\F-8260 SOIL.m		
Last Update:	19-Dec-2012 12:14:21	Calib Date:	17-Dec-2012 14:47:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973F\20121217-17620.b\F4396.D		
Limit Group:	MV - 8260MCP_RCP		
Integrator:	RTE	ID Type:	RT Order ID
Column Type:	ZB-624	Column Dia:	0.25 mm
Process Host:	XAWRK020		

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.608	5.608	0.0	92	280215	50.0	
* 2 Chlorobenzene-d5	82	8.382	8.382	0.0	72	121672	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.700	10.700	0.0	74	132638	50.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.304	5.304	0.0	95	38436	41.6	
$ 5 Toluene-d8 (Surr)	98	6.934	6.934	0.0	91	308220	43.8	
$ 6 4-Bromofluorobenzene (Surr)	174	9.599	9.599	0.0	90	102574	42.3	
10 Dichlorodifluoromethane	85	2.001	2.001	0.0	78	60796	45.4	
12 Chloromethane	50	2.159	2.159	0.0	89	63728	45.4	
13 Vinyl chloride	62	2.274	2.274	0.0	81	67673	47.7	
14 Bromomethane	94	2.560	2.560	0.0	78	25181	45.3	
15 Chloroethane	64	2.633	2.633	0.0	87	25439	51.9	
17 Trichlorofluoromethane	101	2.858	2.858	0.0	82	89051	48.0	
20 Acrolein	56	3.193	3.193	0.0	91	275002	928.8	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.230	3.230	0.0	79	76029	46.3	
22 1,1-Dichloroethene	96	3.260	3.260	0.0	84	79066	50.0	
23 Acetone	43	3.309	3.309	0.0	97	144392	213.2	
25 Iodomethane	142	3.424	3.424	0.0	96	121193	47.3	
26 Carbon disulfide	76	3.473	3.473	0.0	98	241093	46.9	
27 Methyl acetate	43	3.528	3.528	0.0	90	100074	44.5	
29 Acetonitrile	40	3.564	3.564	0.0	100	273778	1729.1	
30 Methylene Chloride	84	3.649	3.649	0.0	83	90329	46.4	
32 Methyl tert-butyl ether	73	3.801	3.801	0.0	88	243562	50.0	
34 trans-1,2-Dichloroethene	96	3.838	3.838	0.0	95	92732	49.0	
33 Acrylonitrile	53	3.856	3.856	0.0	100	195586	229.5	
37 Vinyl acetate	43	4.160	4.160	0.0	97	838401	241.1	
39 1,1-Dichloroethane	63	4.179	4.179	0.0	81	145039	48.2	
43 2-Butanone (MEK)	43	4.623	4.623	0.0	100	242801	222.3	
44 2,2-Dichloropropane	77	4.629	4.629	0.0	71	119932	51.2	
45 cis-1,2-Dichloroethene	96	4.635	4.635	0.0	68	100370	48.4	
48 Chlorobromomethane	128	4.842	4.842	0.0	87	50809	47.5	
49 Tetrahydrofuran	42	4.860	4.860	0.0	88	163446	227.5	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
50 Chloroform	83	4.878	4.878	0.0	80	140829	48.1	
51 1,1,1-Trichloroethane	97	5.024	5.024	0.0	91	127643	48.9	
52 Cyclohexane	56	5.055	5.055	0.0	87	149180	46.7	
54 1,1-Dichloropropene	75	5.146	5.146	0.0	92	115500	50.6	
55 Carbon tetrachloride	117	5.152	5.152	0.0	79	112670	50.1	
57 Benzene	78	5.335	5.335	0.0	96	342278	47.8	
58 1,2-Dichloroethane	62	5.365	5.365	0.0	77	103046	46.3	
62 Trichloroethene	95	5.858	5.858	0.0	90	92845	49.3	
64 Methylcyclohexane	83	5.992	5.992	0.0	87	159620	47.3	
65 1,2-Dichloropropane	63	6.077	6.077	0.0	94	83376	48.2	
67 Dibromomethane	93	6.211	6.211	0.0	84	49761	49.0	
68 Dichlorobromomethane	83	6.320	6.320	0.0	91	100606	47.8	
69 2-Chloroethyl vinyl ether	63	6.527	6.527	0.0	91	298238	248.8	
72 cis-1,3-Dichloropropene	75	6.703	6.703	0.0	82	134663	49.5	
73 4-Methyl-2-pentanone (MIBK)	43	6.801	6.801	0.0	95	480919	225.9	
74 Toluene	92	6.995	6.995	0.0	92	233724	47.7	
75 Ethyl methacrylate	69	7.214	7.214	0.0	87	119096	51.6	
77 trans-1,3-Dichloropropene	75	7.220	7.220	0.0	91	120236	49.3	
79 1,1,2-Trichloroethane	83	7.415	7.415	0.0	83	62900	48.5	
81 Tetrachloroethene	166	7.525	7.525	0.0	90	108316	47.0	
82 1,3-Dichloropropane	76	7.585	7.585	0.0	92	126033	46.8	
80 2-Hexanone	43	7.592	7.592	0.0	94	353751	231.6	
83 Chlorodibromomethane	129	7.829	7.829	0.0	86	85687	46.8	
84 Ethylene Dibromide	107	7.963	7.963	0.0	94	87140	48.4	
87 Chlorobenzene	112	8.413	8.413	0.0	95	277598	46.9	
88 Ethylbenzene	91	8.474	8.474	0.0	97	437542	49.3	
89 1,1,1,2-Tetrachloroethane	131	8.492	8.492	0.0	84	94394	48.4	
90 m-Xylene & p-Xylene	106	8.589	8.589	0.0	100	370998	98.6	
91 o-Xylene	106	9.021	9.021	0.0	95	179083	48.9	
92 Styrene	104	9.045	9.045	0.0	95	298671	50.1	
95 Bromoform	173	9.319	9.319	0.0	95	56192	47.1	
94 Isopropylbenzene	105	9.386	9.386	0.0	94	461166	50.5	
97 1,1,2,2-Tetrachloroethane	83	9.757	9.757	0.0	81	111333	50.0	
101 Bromobenzene	156	9.769	9.769	0.0	86	124765	47.6	
98 trans-1,4-Dichloro-2-butene	53	9.800	9.800	0.0	56	148412	264.7	
100 1,2,3-Trichloropropane	110	9.812	9.812	0.0	57	35217	46.5	
103 2-Chlorotoluene	126	9.928	9.928	0.0	98	122410	49.4	
102 1,3,5-Trimethylbenzene	105	9.964	9.964	0.0	81	391052	50.8	
99 N-Propylbenzene	91	10.031	10.031	0.0	52	318169	49.7	
105 4-Chlorotoluene	126	10.031	10.031	0.0	96	124589	48.8	
106 tert-Butylbenzene	134	10.280	10.280	0.0	87	94304	49.3	
107 1,2,4-Trimethylbenzene	105	10.329	10.329	0.0	95	395489	51.7	
109 sec-Butylbenzene	105	10.481	10.481	0.0	92	509393	51.7	
110 4-Isopropyltoluene	119	10.603	10.603	0.0	94	468094	52.4	
111 1,3-Dichlorobenzene	146	10.645	10.645	0.0	90	241522	48.4	
113 1,4-Dichlorobenzene	146	10.725	10.725	0.0	96	244715	47.9	
115 n-Butylbenzene	91	10.974	10.974	0.0	93	375718	53.2	
116 1,2-Dichlorobenzene	146	11.065	11.065	0.0	98	228483	48.0	
117 1,2-Dibromo-3-Chloropropane	75	11.741	11.741	0.0	77	19291	51.2	
119 1,2,4-Trichlorobenzene	180	12.385	12.385	0.0	95	155556	53.1	
120 Hexachlorobutadiene	225	12.483	12.483	0.0	93	84358	54.7	
121 Naphthalene	128	12.623	12.623	0.0	96	420330	53.9	

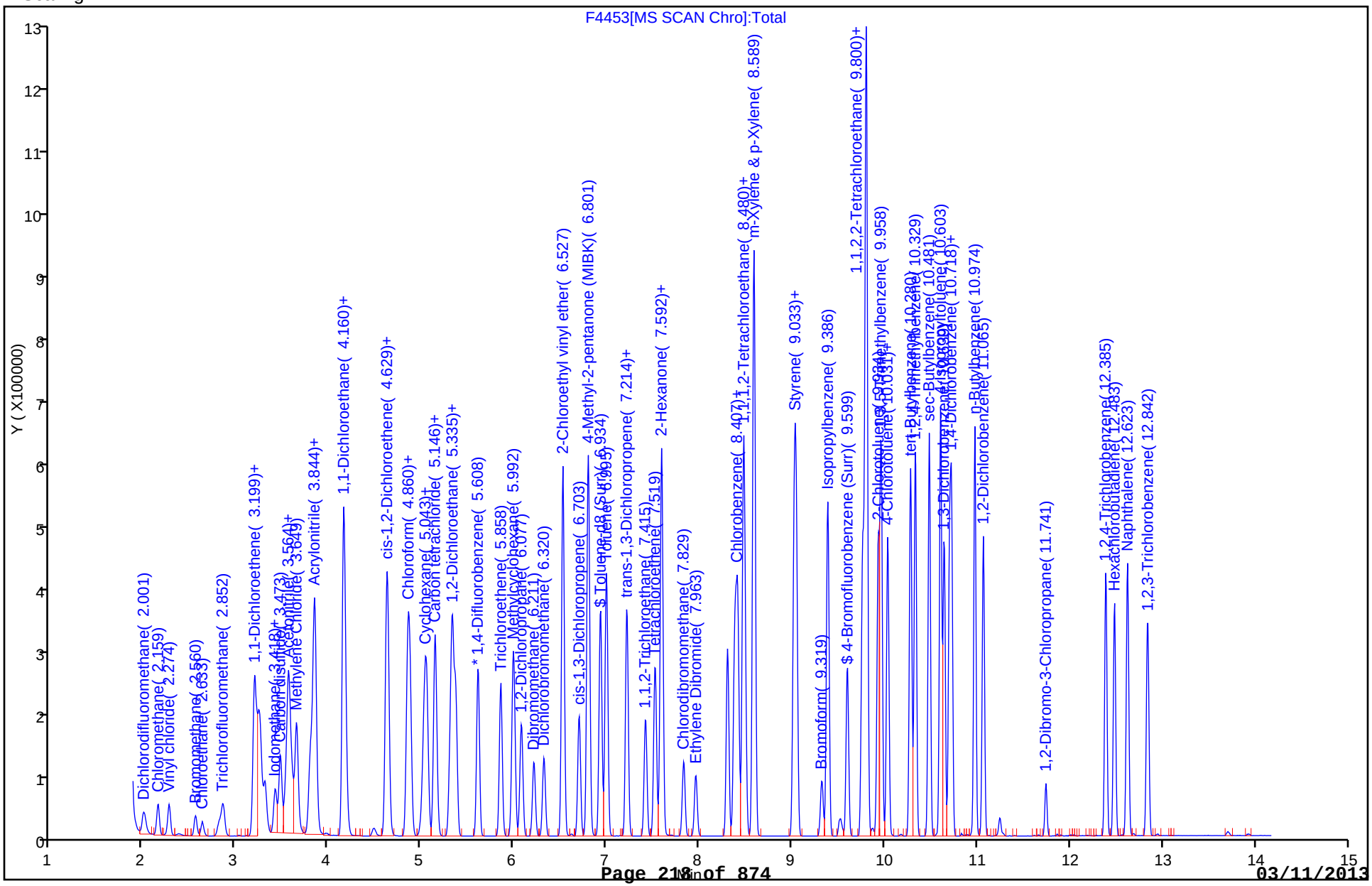
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
122 1,2,3-Trichlorobenzene	180	12.842	12.842	0.0	95	140066	54.1	
S 125 1,2-Dichloroethene, Total	1				0		97.3	
S 126 1,3-Dichloropropene, Total	1				0		98.8	
S 123 Total BTEX	1				0		292.3	
S 124 Xylenes, Total	1				0		147.5	

Report Date: 19-Dec-2012 12:14:22 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973F\20121219-17691.b\F4453.D		
Injection Date:	19-Dec-2012 11:53:30	Limit Group:	MV - 8260MCP_RCP
Client ID:		Instrument ID:	HP5973F
Lims Batch ID:	96559	Lims Sample ID:	3
Operator ID:	JMB	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-30346-1

SDG No.:

Lab Sample ID: CCV 480-96559/4 Calibration Date: 12/19/2012 12:42

Instrument ID: HP5973F Calib Start Date: 12/11/2012 18:50

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/11/2012 23:36

Lab File ID: F4454.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Ethyl ether	Ave	0.3064	0.2658		43.4	50.0	-13.3	20.0
3-Chloro-1-propene	Lin1		0.5174		43.0	50.0	-14.0	20.0
2-Methyl-2-propanol	Ave	0.0719	0.0598		832	1000	-16.8	20.0
Halothane	Ave	0.2095	0.2761		65.9	50.0	31.8*	20.0
Isopropyl ether	Ave	1.244	1.040		41.8	50.0	-16.4	20.0
Tert-butyl ethyl ether	Ave	1.148	0.9898		43.1	50.0	-13.8	20.0
Propionitrile	Ave	0.0741	0.0639		431	500	-13.9	20.0
Tert-amyl methyl ether	Ave	1.011	0.9114		45.1	50.0	-9.9	20.0
n-Heptane	Ave	0.6203	0.5650		45.5	50.0	-8.9	20.0
2,4,4-Trimethyl-1-pentene	Ave	0.3724	0.4112		55.2	50.0	10.4	20.0
2,4,4-Trimethyl-2-pentene	Lin1		0.8786		54.4	50.0	8.8	20.0
1,4-Dioxane	Ave	0.0150	0.0132		1750	2000	-12.3	20.0
2-Nitropropane	Ave	0.2659	0.1908		179	250	-28.3*	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973F\20121219-17691.b\F4454.D		
Lims ID:	CCV	Client ID:	
Inject. Date:	19-Dec-2012 14:30:30	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	CCV		
Misc. Info.:	480-0017691-004 =480-0017691-004		
Operator:	JMB	Instrument ID:	HP5973F
Purge Vol:	5.000 mL	ALS Bottle#:	4
Lims Batch ID:	96559	Lims Sample ID:	4
Sublist:	chrom-F-8260 SOIL*sub17		
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973F\20121219-17691.b\F-8260 SOIL.m		
Last Update:	19-Dec-2012 14:43:19	Calib Date:	17-Dec-2012 14:47:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973F\20121217-17620.b\F4396.D		
Limit Group:	MV - 8260MCP_RCP		
Integrator:	RTE	ID Type:	RT Order ID
Column Type:	ZB-624	Column Dia:	0.25 mm
Process Host:	XAWRK020		

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.608	5.608	0.0	91	267419	50.0	
* 2 Chlorobenzene-d5	82	8.382	8.382	0.0	83	115610	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.700	10.700	0.0	93	124406	50.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.304	5.304	0.0	99	39632	44.9	
$ 5 Toluene-d8 (Surr)	98	6.934	6.934	0.0	81	307505	46.0	
$ 6 4-Bromofluorobenzene (Surr)	174	9.599	9.599	0.0	90	99435	43.2	
10 Dichlorodifluoromethane	85	2.007	2.007	0.0	83	63260	49.4	
11 Chlorodifluoromethane	51	2.019	2.019	0.0	74	85758	0	
16 Dichlorofluoromethane	67	2.810	2.810	0.0	81	110245	0	
18 Ethyl ether	59	3.035	3.035	0.0	89	71082	43.4	
19 Propene oxide	58	3.132	3.132	0.0	94	116453	0	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.236	3.236	0.0	77	89626	57.0	
24 Isopropyl alcohol	45	3.394	3.394	0.0	98	186278	0	
28 3-Chloro-1-propene	41	3.540	3.540	0.0	91	138366	43.0	
31 2-Methyl-2-propanol	59	3.698	3.698	0.0	99	319769	832.0	
35 Hexane	57	3.978	3.978	0.0	90	147379	0	
36 Isopropyl ether	45	4.130	4.130	0.0	94	277997	41.8	
134 Halothane	117	4.130	4.130	0.0	0	73845	65.9	
38 1,1-Dimethoxyethane	75	4.203	4.203	0.0	94	119155	0	
40 2-Chloro-1,3-butadiene	53	4.227	4.227	0.0	87	132836	0	
41 Tert-butyl ethyl ether	59	4.416	4.416	0.0	97	264679	43.1	
42 Ethyl acetate	43	4.617	4.617	0.0	97	99041	0	
46 Propionitrile	54	4.720	4.720	0.0	99	170765	430.6	
47 Methacrylonitrile	41	4.817	4.817	0.0	90	60449	0	
53 Isobutyl alcohol	43	5.201	5.201	0.0	94	294066	0	
56 Tert-amyl methyl ether	73	5.347	5.347	0.0	97	243727	45.1	
59 n-Heptane	43	5.420	5.420	0.0	90	151094	45.5	
136 2,4,4-Trimethyl-1-pentene	55	5.742	5.742	0.0	0	109948	55.2	
60 n-Butanol	56	5.742	5.742	0.0	85	258281	0	
135 2,4,4-Trimethyl-2-pentene	97	5.918	5.918	0.0	0	234955	54.4	
63 Methyl methacrylate	41	6.089	6.089	0.0	88	82995	41.8	

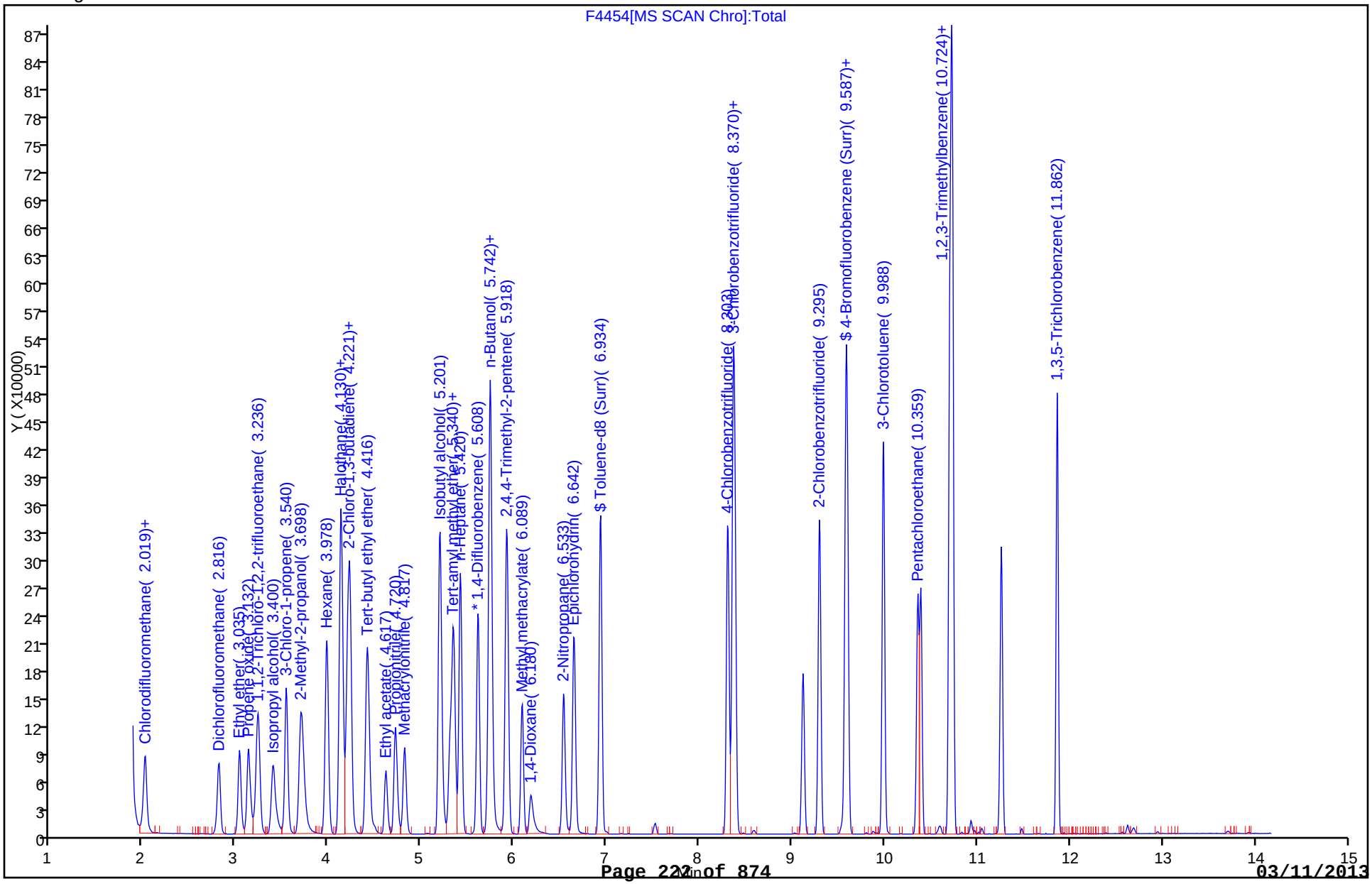
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
66 1,4-Dioxane	88	6.186	6.186	0.0	90	60862	1754.5	
70 2-Nitropropane	43	6.533	6.533	0.0	98	118660	179.3	
71 Epichlorohydrin	57	6.648	6.648	0.0	99	259470	0	
86 4-Chlorobenzotrifluoride	180	8.303	8.303	0.0	89	170008	0	
85 3-Chlorobenzotrifluoride	180	8.364	8.364	0.0	90	169484	0	
93 2-Chlorobenzotrifluoride	180	9.295	9.295	0.0	97	167362	0	
96 Cyclohexanone	55	9.581	9.581	0.0	90	205539	0	
104 3-Chlorotoluene	126	9.988	9.988	0.0	94	129582	0	
108 Pentachloroethane	167	10.359	10.359	0.0	85	58434	0	
114 Dicyclopentadiene	66	10.718	10.718	0.0	96	417011	0	
112 1,2,3-Trimethylbenzene	105	10.731	10.731	0.0	97	395053	0	
118 1,3,5-Trichlorobenzene	180	11.862	11.862	0.0	98	176195	0	

Report Date: 19-Dec-2012 14:43:19 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973F\20121219-17691.b\F4454.D		
Injection Date:	19-Dec-2012 14:30:30	Limit Group:	MV - 8260MCP_RCP
Client ID:		Instrument ID:	HP5973F
Lims Batch ID:	96559	Lims Sample ID:	4
Operator ID:	JMB	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-30346-1

SDG No.:

Lab Sample ID: CCV 480-96559/4 Calibration Date: 12/19/2012 12:42

Instrument ID: HP5973F Calib Start Date: 12/17/2012 13:05

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/17/2012 14:47

Lab File ID: F4454.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Lin1		0.2366	0.1000	49.4	50.0	-1.2	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Lin1		0.3352	0.1000	57.0	50.0	14.0	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.1649	0.1482		44.9	50.0	-10.1	20.0
Toluene-d8 (Surr)	Ave	2.892	2.660		46.0	50.0	-8.0	20.0
4-Bromofluorobenzene (Surr)	Ave	0.995	0.8601		43.2	50.0	-13.6	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973F\20121219-17691.b\F4454.D		
Lims ID:	CCV	Client ID:	
Inject. Date:	19-Dec-2012 14:30:30	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	CCV		
Misc. Info.:	480-0017691-004 =480-0017691-004		
Operator:	JMB	Instrument ID:	HP5973F
Purge Vol:	5.000 mL	ALS Bottle#:	4
Lims Batch ID:	96559	Lims Sample ID:	4
Sublist:	chrom-F-8260 SOIL*sub17		
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973F\20121219-17691.b\F-8260 SOIL.m		
Last Update:	19-Dec-2012 14:43:19	Calib Date:	17-Dec-2012 14:47:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973F\20121217-17620.b\F4396.D		
Limit Group:	MV - 8260MCP_RCP		
Integrator:	RTE	ID Type:	RT Order ID
Column Type:	ZB-624	Column Dia:	0.25 mm
Process Host:	XAWRK020		

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.608	5.608	0.0	91	267419	50.0	
* 2 Chlorobenzene-d5	82	8.382	8.382	0.0	83	115610	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.700	10.700	0.0	93	124406	50.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.304	5.304	0.0	99	39632	44.9	
$ 5 Toluene-d8 (Surr)	98	6.934	6.934	0.0	81	307505	46.0	
$ 6 4-Bromofluorobenzene (Surr)	174	9.599	9.599	0.0	90	99435	43.2	
10 Dichlorodifluoromethane	85	2.007	2.007	0.0	83	63260	49.4	
11 Chlorodifluoromethane	51	2.019	2.019	0.0	74	85758	0	
16 Dichlorofluoromethane	67	2.810	2.810	0.0	81	110245	0	
18 Ethyl ether	59	3.035	3.035	0.0	89	71082	43.4	
19 Propene oxide	58	3.132	3.132	0.0	94	116453	0	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.236	3.236	0.0	77	89626	57.0	
24 Isopropyl alcohol	45	3.394	3.394	0.0	98	186278	0	
28 3-Chloro-1-propene	41	3.540	3.540	0.0	91	138366	43.0	
31 2-Methyl-2-propanol	59	3.698	3.698	0.0	99	319769	832.0	
35 Hexane	57	3.978	3.978	0.0	90	147379	0	
36 Isopropyl ether	45	4.130	4.130	0.0	94	277997	41.8	
134 Halothane	117	4.130	4.130	0.0	0	73845	65.9	
38 1,1-Dimethoxyethane	75	4.203	4.203	0.0	94	119155	0	
40 2-Chloro-1,3-butadiene	53	4.227	4.227	0.0	87	132836	0	
41 Tert-butyl ethyl ether	59	4.416	4.416	0.0	97	264679	43.1	
42 Ethyl acetate	43	4.617	4.617	0.0	97	99041	0	
46 Propionitrile	54	4.720	4.720	0.0	99	170765	430.6	
47 Methacrylonitrile	41	4.817	4.817	0.0	90	60449	0	
53 Isobutyl alcohol	43	5.201	5.201	0.0	94	294066	0	
56 Tert-amyl methyl ether	73	5.347	5.347	0.0	97	243727	45.1	
59 n-Heptane	43	5.420	5.420	0.0	90	151094	45.5	
136 2,4,4-Trimethyl-1-pentene	55	5.742	5.742	0.0	0	109948	55.2	
60 n-Butanol	56	5.742	5.742	0.0	85	258281	0	
135 2,4,4-Trimethyl-2-pentene	97	5.918	5.918	0.0	0	234955	54.4	
63 Methyl methacrylate	41	6.089	6.089	0.0	88	82995	41.8	

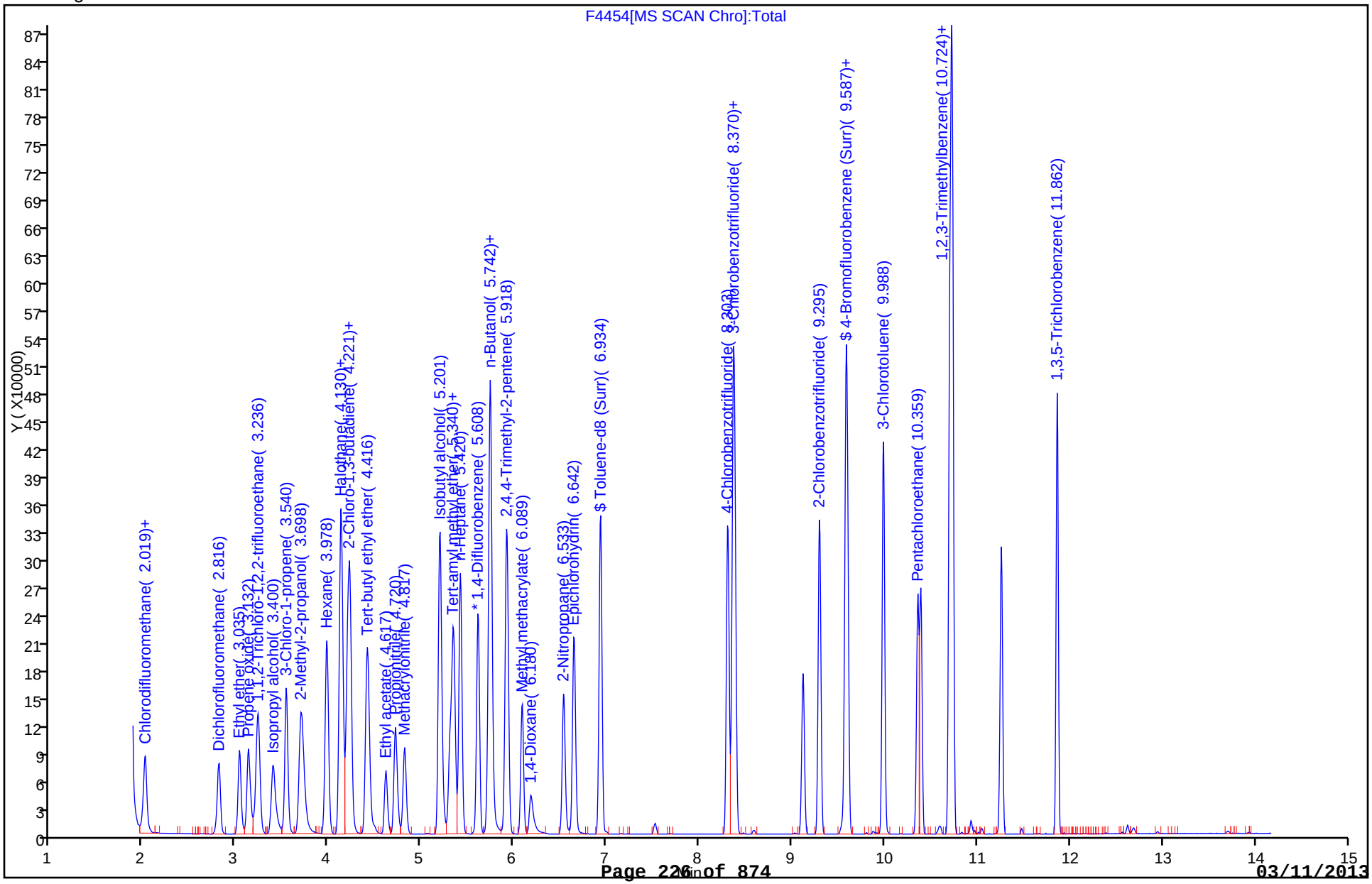
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
66 1,4-Dioxane	88	6.186	6.186	0.0	90	60862	1754.5	
70 2-Nitropropane	43	6.533	6.533	0.0	98	118660	179.3	
71 Epichlorohydrin	57	6.648	6.648	0.0	99	259470	0	
86 4-Chlorobenzotrifluoride	180	8.303	8.303	0.0	89	170008	0	
85 3-Chlorobenzotrifluoride	180	8.364	8.364	0.0	90	169484	0	
93 2-Chlorobenzotrifluoride	180	9.295	9.295	0.0	97	167362	0	
96 Cyclohexanone	55	9.581	9.581	0.0	90	205539	0	
104 3-Chlorotoluene	126	9.988	9.988	0.0	94	129582	0	
108 Pentachloroethane	167	10.359	10.359	0.0	85	58434	0	
114 Dicyclopentadiene	66	10.718	10.718	0.0	96	417011	0	
112 1,2,3-Trimethylbenzene	105	10.731	10.731	0.0	97	395053	0	
118 1,3,5-Trichlorobenzene	180	11.862	11.862	0.0	98	176195	0	

Report Date: 19-Dec-2012 14:43:19 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973F\20121219-17691.b\F4454.D		
Injection Date:	19-Dec-2012 14:30:30	Limit Group:	MV - 8260MCP_RCP
Client ID:		Instrument ID:	HP5973F
Lims Batch ID:	96559	Lims Sample ID:	4
Operator ID:	JMB	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:



TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973F\20121211-17433.b\F4221.D		
Lims ID:	BFB	Client ID:	
Inject. Date:	11-Dec-2012 15:25:30	Dil. Factor:	1.0000
Sample Type:	BFB		
Sample ID:	BFB		
Misc. Info.:	480-0017433-002 =480-0017433-002		
Operator:	Jmb	Instrument ID:	HP5973F
Purge Vol:	5.000 mL	ALS Bottle#:	2
Lims Batch ID:	95189	Lims Sample ID:	2
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973F\20121211-17433.b\F-8260 SOIL.m		
Last Update:	11-Dec-2012 15:18:54	Calib Date:	03-Dec-2012 15:37:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973F\20121203-17181.b\F3992.D		
Limit Group:	MV - 8260MCP_RCP		
Integrator:	RTE	ID Type:	RT Order ID
Column Type:	ZB-624	Column Dia:	0.25 mm
Process Host:	XAWRK010		

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114		5.608					
* 2 Chlorobenzene-d5	82		8.376					
* 3 1,4-Dichlorobenzene-d4	152		10.700					
$ 61 BFB	95	5.729	5.729	0.0	0	32128	0	

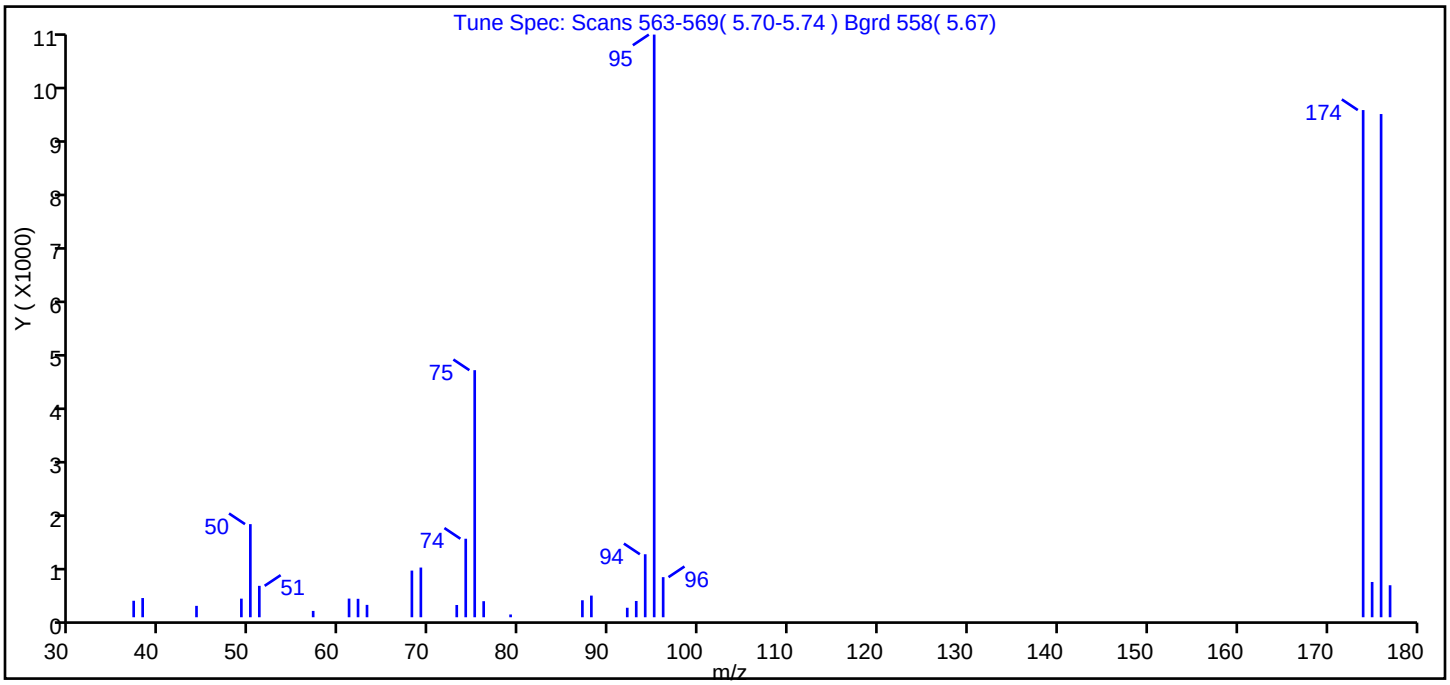
Report Date: 11-Dec-2012 15:18:54 Chrom Revision: 2.0 22-Oct-2012 16:30:48

MS Tune Report

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973F\20121211-17433.b\F4221.D		
Injection Date:	11-Dec-2012 15:25:30	Limit Group:	MV - 8260MCP_RCP
Client ID:		Instrument ID:	HP5973F
Lims Batch ID:	95189	Lims Sample ID:	2
Operator ID:	Jmb	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm
Tune Method:	BFB Method 8260		

$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	15.98
75	30.00 - 60.00% of mass 95	42.40
96	5.00 - 9.00% of mass 95	6.88
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	87.04
175	5.00 - 9.00% of mass 174	6.05 (6.95)
176	95.00 - 101.00% of mass 174	86.36 (99.22)
177	5.00 - 9.00% of mass 176	5.50 (6.36)

Data File: \\Bufchrom\ChromData\HP5973F\20121211-17433.b\F4221.D\F-8260 SOIL.rslt\spectra.d
Injection Date: 11-Dec-2012 15:25:30
Spectrum: Tune Spec: Scans 563-569(5.70-5.74) Bgrd 558(5.67)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 28

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	304	61.00	344	75.00	4553	94.00	1161
38.00	354	62.00	340	76.00	296	95.00	10737
44.00	210	63.00	228	79.00	51	96.00	739
49.00	343	68.00	860	87.00	313	174.00	9346
50.00	1716	69.00	916	88.00	399	175.00	650
51.00	579	73.00	226	92.00	175	176.00	9273
57.00	117	74.00	1447	93.00	300	177.00	590

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973F\20121217-17620.b\F4389.D		
Lims ID:	BFB	Client ID:	
Inject. Date:	17-Dec-2012 11:45:30	Dil. Factor:	1.0000
Sample Type:	BFB		
Sample ID:	BFB		
Misc. Info.:	480-0017620-002 =480-0017620-002		
Operator:	jmb	Instrument ID:	HP5973F
Purge Vol:	5.000 mL	ALS Bottle#:	2
Lims Batch ID:	96157	Lims Sample ID:	2
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973F\20121217-17620.b\F-8260 SOIL.m		
Last Update:	17-Dec-2012 19:25:21	Calib Date:	17-Dec-2012 14:47:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973F\20121217-17620.b\F4396.D		
Limit Group:	MV - 8260MCP_RCP		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	ZB-624	Column Dia:	0.25 mm
Process Host:	XAWRK033		

First Level Reviewer: cwiklinc Date: 17-Dec-2012 19:25:21

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114		5.608					
* 2 Chlorobenzene-d5	82		8.382					
* 3 1,4-Dichlorobenzene-d4	152		10.700					
$ 61 BFB	95	5.728	5.728	0.0	0	27039	0	

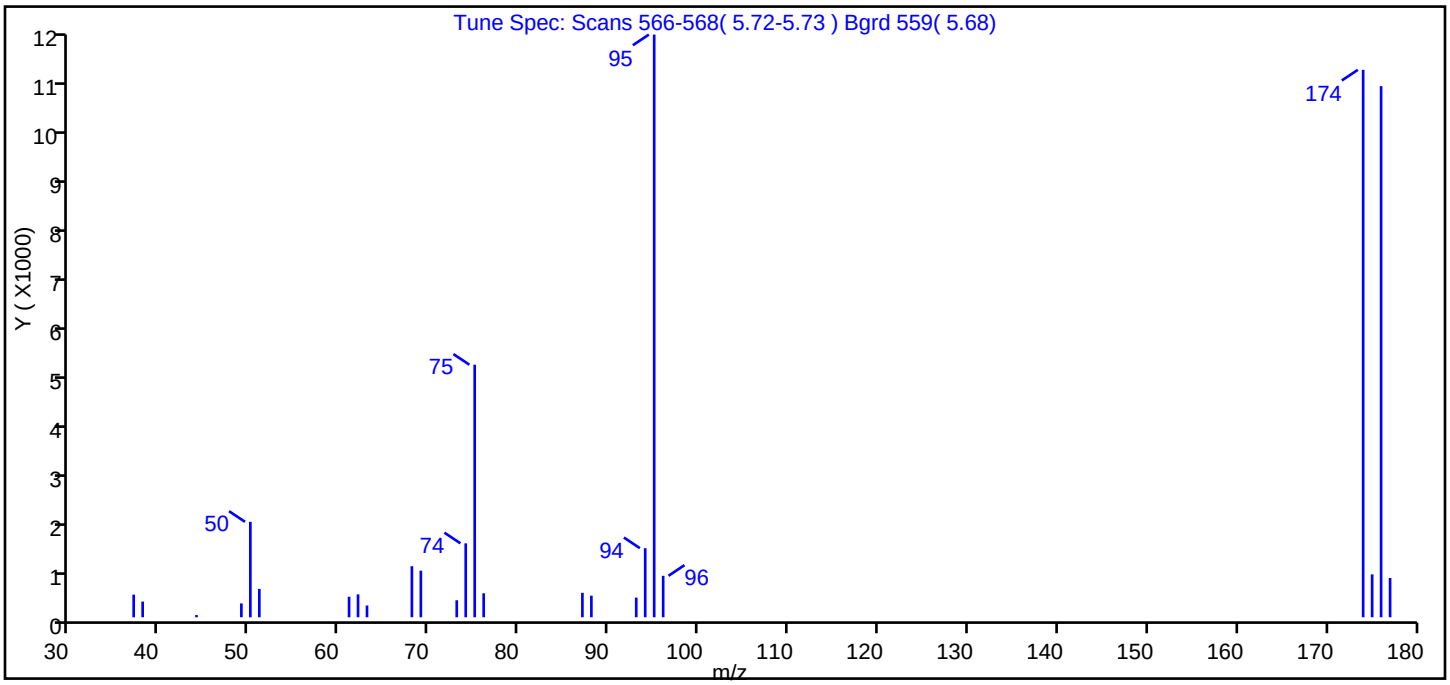
Report Date: 17-Dec-2012 19:25:22 Chrom Revision: 2.0 22-Oct-2012 16:30:48

MS Tune Report

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973F\20121217-17620.b\F4389.D		
Injection Date:	17-Dec-2012 11:45:30	Limit Group:	MV - 8260MCP_RCP
Client ID:		Instrument ID:	HP5973F
Lims Batch ID:	96157	Lims Sample ID:	2
Operator ID:	jmb	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm
Tune Method:	BFB Method 8260		

$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	16.38
75	30.00 - 60.00% of mass 95	43.34
96	5.00 - 9.00% of mass 95	7.11
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	93.95
175	5.00 - 9.00% of mass 174	7.36 (7.83)
176	95.00 - 101.00% of mass 174	91.15 (97.02)
177	5.00 - 9.00% of mass 176	6.74 (7.40)

Data File: \\Bufchrom\ChromData\HP5973F\20121217-17620.b\F4389.D\F-8260 SOIL.rslt\spectra.d
Injection Date: 17-Dec-2012 11:45:30
Spectrum: Tune Spec: Scans 566-568(5.72-5.73) Bgrd 559(5.68)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 25

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	460	62.00	466	76.00	488	174.00	11135
38.00	319	63.00	239	87.00	497	175.00	872
44.00	45	68.00	1039	88.00	439	176.00	10803
49.00	282	69.00	948	93.00	400	177.00	799
50.00	1941	73.00	346	94.00	1405		
51.00	577	74.00	1504	95.00	11852		
61.00	417	75.00	5137	96.00	843		

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973F\20121219-17691.b\F4451.D		
Lims ID:	BFB	Client ID:	
Inject. Date:	19-Dec-2012 11:00:30	Dil. Factor:	1.0000
Sample Type:	BFB		
Sample ID:	BFB		
Misc. Info.:	480-0017691-001 =480-0017691-001		
Operator:	JMB	Instrument ID:	HP5973F
Purge Vol:	5.000 mL	ALS Bottle#:	1
Lims Batch ID:	96559	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973F\20121219-17691.b\F-8260 SOIL.m		
Last Update:	20-Dec-2012 14:32:47	Calib Date:	17-Dec-2012 14:47:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973F\20121217-17620.b\F4396.D		
Limit Group:	MV - 8260MCP_RCP		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	ZB-624	Column Dia:	0.25 mm
Process Host:	XAWRK010		

First Level Reviewer: ByrnesJ Date: 19-Dec-2012 11:04:30

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114		5.608					
* 2 Chlorobenzene-d5	82		8.382					
* 3 1,4-Dichlorobenzene-d4	152		10.700					
$ 4 1,2-Dichloroethane-d4 (Surr)	67		5.304					
$ 61 BFB	95	5.722	5.722	0.0	0	34305	0	
$ 5 Toluene-d8 (Surr)	98		6.934					
$ 6 4-Bromofluorobenzene (Surr)	174		9.599					

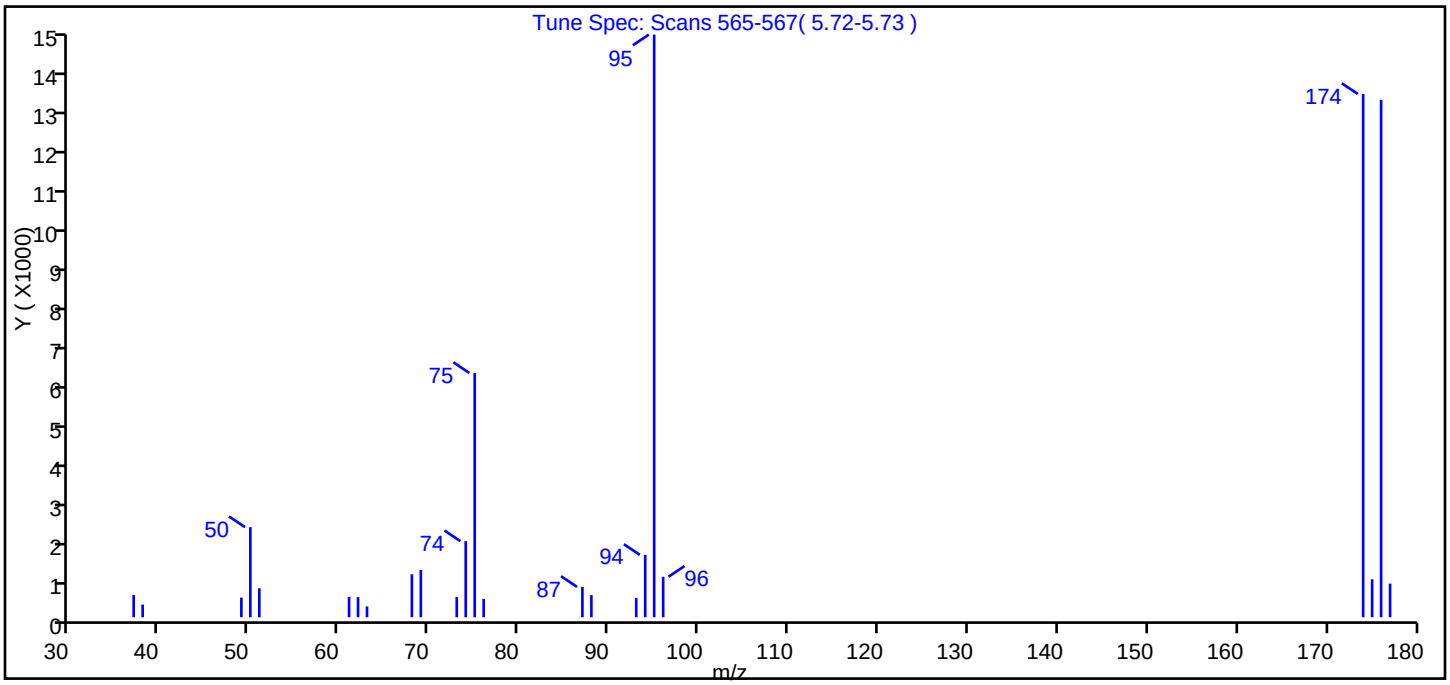
Report Date: 20-Dec-2012 14:32:48 Chrom Revision: 2.0 22-Oct-2012 16:30:48

MS Tune Report

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973F\20121219-17691.b\F4451.D		
Injection Date:	19-Dec-2012 11:00:30	Limit Group:	MV - 8260MCP_RCP
Client ID:		Instrument ID:	HP5973F
Lims Batch ID:	96559	Lims Sample ID:	1
Operator ID:	JMB	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm
Tune Method:	BFB Method 8260		

$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	15.47
75	30.00 - 60.00% of mass 95	41.92
96	5.00 - 9.00% of mass 95	6.95
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	89.81
175	5.00 - 9.00% of mass 174	6.51 (7.25)
176	95.00 - 101.00% of mass 174	88.80 (98.88)
177	5.00 - 9.00% of mass 176	5.77 (6.50)

Data File: \\Bufchrom\ChromData\HP5973F\20121219-17691.b\F4451.D\F-8260 SOIL.rslt\spectra.d
Injection Date: 19-Dec-2012 11:00:30
Spectrum: Tune Spec: Scans 565-567(5.72-5.73)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 24

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	542	62.00	491	75.00	5963	95.00	14224
38.00	308	63.00	264	76.00	447	96.00	989
49.00	480	68.00	1049	87.00	741	174.00	12774
50.00	2200	69.00	1156	88.00	539	175.00	926
51.00	707	73.00	493	93.00	473	176.00	12631
61.00	498	74.00	1858	94.00	1523	177.00	821

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo
Job No.: 480-30346-1
SDG No.:
Client Sample ID:
Lab Sample ID: MB 480-96559/7
Matrix: Solid
Lab File ID: F4457.D
Analysis Method: 8260C
Date Collected:
Sample wt/vol: 5(g)
Date Analyzed: 12/19/2012 15:47
Soil Aliquot Vol:
Dilution Factor: 1
Soil Extract Vol.:
GC Column: ZB-624 (60) ID: 0.25(mm)
% Moisture:
Level: (low/med) Low
Analysis Batch No.: 96559
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
107-39-1	2,4,4-Trimethyl-1-pentene	ND		5.0	0.43
107-40-4	2,4,4-Trimethyl-2-pentene	ND		5.0	0.53

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	96		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	81		70-130
460-00-4	4-Bromofluorobenzene (Surr)	83		70-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Buffalo Job No.: 480-30346-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 480-96559/7

Matrix: Solid Lab File ID: F4457.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(g) Date Analyzed: 12/19/2012 15:47

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 96559 Units: ug/Kg

Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Tentatively Identified Compound		None	

FORM I-TIC 8260C

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973F\20121219-17691.b\F4457.D		
Lims ID:	MB	Client ID:	
Inject. Date:	19-Dec-2012 15:47:30	Dil. Factor:	1.0000
Sample Type:	MB		
Sample ID:	MB		
Misc. Info.:	480-0017691-007 =480-0017691-007		
Operator:	JMB	Instrument ID:	HP5973F
Purge Vol:	5.000 mL	ALS Bottle#:	7
Lims Batch ID:	96559	Lims Sample ID:	7
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973F\20121219-17691.b\F-8260 SOIL.m		
Last Update:	19-Dec-2012 16:04:12	Calib Date:	17-Dec-2012 14:47:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973F\20121217-17620.b\F4396.D		
Limit Group:	MV - 8260MCP_RCP		
Integrator:	RTE	ID Type:	RT Order ID
Column Type:	ZB-624	Column Dia:	0.25 mm
Process Host:	XAWRK020		

First Level Reviewer: ByrnesJ Date: 19-Dec-2012 16:01:24

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.608	5.608	0.0	91	200022	50.0	
* 2 Chlorobenzene-d5	82	8.382	8.382	0.0	76	82914	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.700	10.700	0.0	89	85090	50.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.304	5.304	0.0	98	26682	40.5	
$ 5 Toluene-d8 (Surr)	98	6.934	6.934	0.0	90	229235	47.8	
$ 6 4-Bromofluorobenzene (Surr)	174	9.599	9.599	0.0	90	68901	41.7	
10 Dichlorodifluoromethane	85		2.007					
11 Chlorodifluoromethane	51		2.019					9
12 Chloromethane	50		2.159					
13 Vinyl chloride	62		2.274					
14 Bromomethane	94		2.560					
15 Chloroethane	64		2.633					
16 Dichlorofluoromethane	67		2.810					
17 Trichlorofluoromethane	101		2.858					
18 Ethyl ether	59		3.035					
19 Propene oxide	58		3.132					
20 Acrolein	56		3.193					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.236					
22 1,1-Dichloroethene	96		3.260					
23 Acetone	43		3.309					
24 Isopropyl alcohol	45		3.394					
25 Iodomethane	142		3.424					
26 Carbon disulfide	76		3.473					
27 Methyl acetate	43		3.528					
28 3-Chloro-1-propene	41		3.540					9
29 Acetonitrile	40	3.564	3.564	0.0	58	592	5.24	
30 Methylene Chloride	84		3.649					9
31 2-Methyl-2-propanol	59		3.698					
32 Methyl tert-butyl ether	73		3.801					
34 trans-1,2-Dichloroethene	96		3.838					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
33 Acrylonitrile	53		3.856					
35 Hexane	57		3.978					9
36 Isopropyl ether	45		4.130					
134 Halothane	117		4.130					
37 Vinyl acetate	43		4.160					
39 1,1-Dichloroethane	63		4.179					
38 1,1-Dimethoxyethane	75		4.203					
40 2-Chloro-1,3-butadiene	53		4.227					
41 Tert-butyl ethyl ether	59		4.416					
42 Ethyl acetate	43		4.617					
43 2-Butanone (MEK)	43		4.623					
44 2,2-Dichloropropane	77		4.629					
45 cis-1,2-Dichloroethene	96		4.635					
46 Propionitrile	54		4.720					
47 Methacrylonitrile	41		4.817					
48 Chlorobromomethane	128		4.842					
49 Tetrahydrofuran	42		4.860					
50 Chloroform	83		4.878					
51 1,1,1-Trichloroethane	97		5.024					
52 Cyclohexane	56		5.055					
54 1,1-Dichloropropene	75		5.146					
55 Carbon tetrachloride	117		5.152					
53 Isobutyl alcohol	43		5.201					9
57 Benzene	78		5.335					
56 Tert-amyl methyl ether	73		5.347					
58 1,2-Dichloroethane	62		5.365					
59 n-Heptane	43		5.420					
136 2,4,4-Trimethyl-1-pentene	55		5.742					
60 n-Butanol	56		5.742					9
62 Trichloroethene	95		5.858					
135 2,4,4-Trimethyl-2-pentene	97		5.918					
64 Methylcyclohexane	83		5.992					
65 1,2-Dichloropropane	63		6.077					
63 Methyl methacrylate	41		6.089					
66 1,4-Dioxane	88		6.186					
67 Dibromomethane	93		6.211					
68 Dichlorobromomethane	83		6.320					
69 2-Chloroethyl vinyl ether	63		6.527					
70 2-Nitropropane	43		6.533					
71 Epichlorohydrin	57		6.648					
72 cis-1,3-Dichloropropene	75		6.703					
73 4-Methyl-2-pentanone (MIBK)	43		6.801					9
74 Toluene	92		6.995					9
75 Ethyl methacrylate	69		7.214					
77 trans-1,3-Dichloropropene	75		7.220					
79 1,1,2-Trichloroethane	83		7.415					
81 Tetrachloroethene	166		7.525					
82 1,3-Dichloropropane	76		7.585					
80 2-Hexanone	43		7.592					9
83 Chlorodibromomethane	129		7.829					
84 Ethylene Dibromide	107		7.963					
86 4-Chlorobenzotrifluoride	180		8.303					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
85 3-Chlorobenzotrifluoride	180		8.364					
87 Chlorobenzene	112		8.413					
88 Ethylbenzene	91	8.474	8.474	0.0	1	1539	0.2544	
89 1,1,1,2-Tetrachloroethane	131		8.492					
90 m-Xylene & p-Xylene	106		8.589					9
91 o-Xylene	106		9.021					
92 Styrene	104		9.045					
93 2-Chlorobenzotrifluoride	180		9.295					
95 Bromoform	173		9.319					
94 Isopropylbenzene	105		9.386					
96 Cyclohexanone	55		9.581					9
97 1,1,2,2-Tetrachloroethane	83		9.757					
101 Bromobenzene	156		9.769					
98 trans-1,4-Dichloro-2-butene	53		9.800					
100 1,2,3-Trichloropropane	110		9.812					
103 2-Chlorotoluene	126		9.928					
102 1,3,5-Trimethylbenzene	105		9.964					9
104 3-Chlorotoluene	126		9.988					
99 N-Propylbenzene	91		10.031					9
105 4-Chlorotoluene	126		10.031					
106 tert-Butylbenzene	134		10.280					
107 1,2,4-Trimethylbenzene	105	10.329	10.329	0.0	1	3844	0.7837	
108 Pentachloroethane	167		10.359					
109 sec-Butylbenzene	105		10.481					9
110 4-Isopropyltoluene	119		10.603					9
111 1,3-Dichlorobenzene	146		10.645					9
114 Dicyclopentadiene	66		10.718					9
113 1,4-Dichlorobenzene	146		10.725					9
112 1,2,3-Trimethylbenzene	105		10.731					9
76 2-Methylthiophene	97		10.900					
115 n-Butylbenzene	91		10.974					9
78 3-Methylthiophene	97		11.028					
116 1,2-Dichlorobenzene	146		11.065					9
117 1,2-Dibromo-3-Chloropropane	75		11.741					
118 1,3,5-Trichlorobenzene	180		11.862					9
119 1,2,4-Trichlorobenzene	180		12.385					9
120 Hexachlorobutadiene	225		12.483					
121 Naphthalene	128		12.623					9
122 1,2,3-Trichlorobenzene	180		12.842					9
S 125 1,2-Dichloroethene, Total	1		30.000					7
S 126 1,3-Dichloropropene, Total	1		30.000					7
S 123 Total BTEX	1				0		0.2544	
S 124 Xylenes, Total	1		30.000					7
T 137 Ethyl acrylate	1		0.000					1
T 138 Aziridine TIC	1		0.000					1
T 132 Methyl acrylate	1		0.000					1
T 133 cis-1,4-Dichloro-2-butene	88		0.000					1
T 141 Pentachloroethane TIC	1		0.000					1
T 142 1-Bromopropane	1		0.000					1
T 139 Bromoethane TIC	1		0.000					1
T 140 bis(chloromethyl)ether TIC	1		0.000					1
T 9 bis(2-chloromethyl)ether TIC	1		0.000					1

Report Date: 19-Dec-2012 16:04:13 Chrom Revision: 2.0 22-Oct-2012 16:30:48
Data File: \\Bufchrom\ChromData\HP5973F\20121219-17691.b\F4457.D

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
T 127 Ethanol TIC	45		0.000					1
T 7 Ethylene oxide	1		0.000					1
T 8 t-Amyl alcohol	59		0.000					1
T 130 Hexachloroethane	117		0.000					1
T 131 Nitrobenzene	77		0.000					1
T 128 Hexachloroethane TIC	1		0.000					1
T 129 tert-amyl alcohol TIC	59		0.000					1

QC Flag Legend

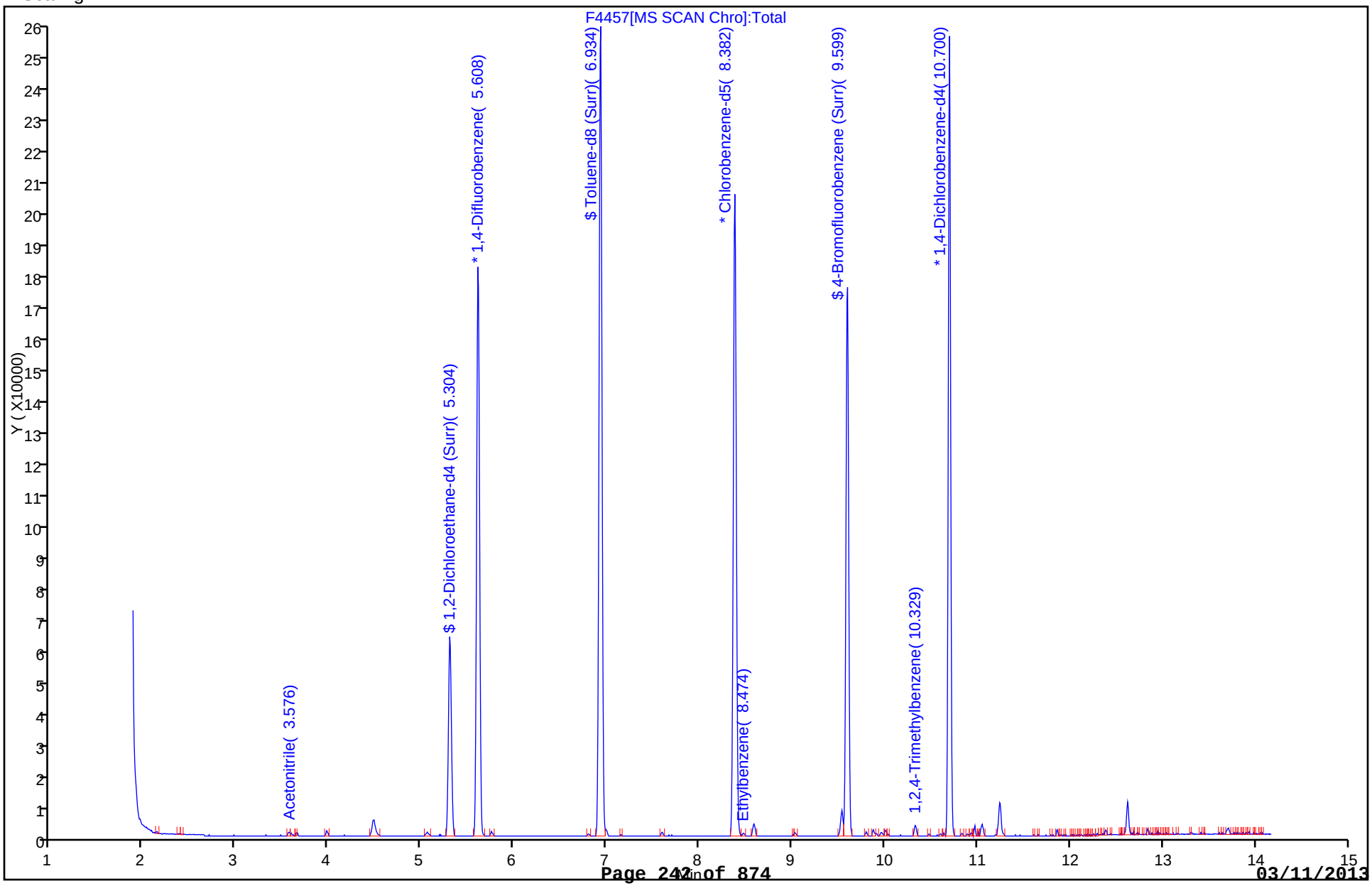
Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

Report Date: 19-Dec-2012 16:04:13 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973F\20121219-17691.b\F4457.D		
Injection Date:	19-Dec-2012 15:47:30	Limit Group:	MV - 8260MCP_RCP
Client ID:		Instrument ID:	HP5973F
Lims Batch ID:	96559	Lims Sample ID:	7
Operator ID:	JMB	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo
Job No.: 480-30346-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCS 480-96559/5
Matrix: Solid
Lab File ID: F4455.D
Analysis Method: 8260C
Date Collected:
Sample wt/vol: 5(g)
Date Analyzed: 12/19/2012 14:56
Soil Aliquot Vol:
Dilution Factor: 1
Soil Extract Vol.:
GC Column: ZB-624 (60) ID: 0.25(mm)
% Moisture:
Level: (low/med) Low
Analysis Batch No.: 96559
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
107-39-1	2,4,4-Trimethyl-1-pentene	52.0		5.0	0.43
107-40-4	2,4,4-Trimethyl-2-pentene	54.6		5.0	0.53

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	86		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	84		70-130
460-00-4	4-Bromofluorobenzene (Surr)	83		70-130

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973F\20121219-17691.b\F4455.D		
Lims ID:	LCS	Client ID:	
Inject. Date:	19-Dec-2012 14:56:30	Dil. Factor:	1.0000
Sample Type:	LCS		
Sample ID:	LCS		
Misc. Info.:	480-0017691-005 =480-0017691-005		
Operator:	JMB	Instrument ID:	HP5973F
Purge Vol:	5.000 mL	ALS Bottle#:	5
Lims Batch ID:	96559	Lims Sample ID:	5
Detector:	MS SCAN		

Method:	\\Bufchrom\ChromData\HP5973F\20121219-17691.b\F-8260 SOIL.m		
Last Update:	19-Dec-2012 15:59:00	Calib Date:	17-Dec-2012 14:47:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973F\20121217-17620.b\F4396.D		
Limit Group:	MV - 8260MCP_RCP		
Integrator:	RTE	ID Type:	RT Order ID
Column Type:	ZB-624	Column Dia:	0.25 mm
Process Host:	XAWRK020		

First Level Reviewer: ByrnesJ Date: 19-Dec-2012 15:57:17

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.608	5.608	0.0	91	260887	50.0	
* 2 Chlorobenzene-d5	82	8.382	8.382	0.0	74	115303	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.700	10.700	0.0	90	123550	50.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.304	5.304	0.0	93	36327	42.2	
$ 5 Toluene-d8 (Surr)	98	6.935	6.934	0.001	90	287800	43.2	
$ 6 4-Bromofluorobenzene (Surr)	174	9.599	9.599	0.0	89	94962	41.4	
10 Dichlorodifluoromethane	85	2.001	2.007	-0.006	87	113680	90.1	
11 Chlorodifluoromethane	51	2.013	2.019	-0.006	73	83206	0	
12 Chloromethane	50	2.153	2.159	-0.006	89	56548	43.3	
13 Vinyl chloride	62	2.268	2.274	-0.006	81	60714	46.0	
14 Bromomethane	94	2.554	2.560	-0.006	78	18774	37.2	
15 Chloroethane	64	2.627	2.633	-0.006	83	19134	41.9	
16 Dichlorofluoromethane	67	2.804	2.810	-0.006	78	89306	0	
17 Trichlorofluoromethane	101	2.853	2.858	-0.006	81	76575	44.4	
18 Ethyl ether	59	3.029	3.035	-0.006	88	59660	37.3	
19 Propene oxide	58	3.126	3.132	-0.006	91	103699	0	
20 Acrolein	56	3.193	3.193	0.0	91	243706	884.1	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.224	3.236	-0.012	79	145283	94.0	
22 1,1-Dichloroethene	96	3.260	3.260	0.0	83	72228	49.0	
23 Acetone	43	3.309	3.309	0.0	98	137579	218.2	
24 Isopropyl alcohol	45	3.400	3.394	0.006	98	176823	0	
25 Iodomethane	142	3.418	3.424	-0.006	96	105686	44.3	
26 Carbon disulfide	76	3.473	3.473	0.0	98	216548	45.3	
27 Methyl acetate	43	3.528	3.528	0.0	82	96661	46.2	
28 3-Chloro-1-propene	41	3.564	3.540	0.024	38	591391	199.7	
29 Acetonitrile	40	3.564	3.564	0.0	97	277259	1880.9	
30 Methylene Chloride	84	3.649	3.649	0.0	81	83128	45.9	
31 2-Methyl-2-propanol	59	3.704	3.698	0.006	97	287952	767.9	
32 Methyl tert-butyl ether	73	3.808	3.801	0.007	87	211083	46.6	
34 trans-1,2-Dichloroethene	96	3.838	3.838	0.0	94	87388	49.6	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
33 Acrylonitrile	53	3.856	3.856	0.0	98	183101	230.8	
35 Hexane	57	3.972	3.978	-0.006	89	136179	0	
36 Isopropyl ether	45	4.130	4.130	0.0	71	272705	42.0	
134 Halothane	117	4.130	4.130	0.0	0	72429	66.3	
37 Vinyl acetate	43	4.154	4.160	-0.006	97	928515	286.8	
39 1,1-Dichloroethane	63	4.179	4.179	0.0	68	140656	50.2	
38 1,1-Dimethoxyethane	75	4.203	4.203	0.0	64	119693	0	
40 2-Chloro-1,3-butadiene	53	4.227	4.227	0.0	86	128723	0	
41 Tert-butyl ethyl ether	59	4.416	4.416	0.0	97	249657	41.7	
42 Ethyl acetate	43	4.617	4.617	0.0	93	326678	0	
43 2-Butanone (MEK)	43	4.617	4.623	-0.006	98	326678	321.2	
44 2,2-Dichloropropane	77	4.629	4.629	0.0	61	110611	50.7	
45 cis-1,2-Dichloroethene	96	4.635	4.635	0.0	69	94273	48.8	
46 Propionitrile	54	4.720	4.720	0.0	97	167363	432.6	
47 Methacrylonitrile	41	4.818	4.817	0.001	90	50796	0	
48 Chlorobromomethane	128	4.842	4.842	0.0	87	48766	49.0	
49 Tetrahydrofuran	42	4.860	4.860	0.0	90	158838	237.5	
50 Chloroform	83	4.878	4.878	0.0	69	132326	48.6	
51 1,1,1-Trichloroethane	97	5.024	5.024	0.0	91	117816	48.5	
52 Cyclohexane	56	5.055	5.055	0.0	87	131862	44.4	
54 1,1-Dichloropropene	75	5.140	5.146	-0.006	94	108490	51.1	
55 Carbon tetrachloride	117	5.152	5.152	0.0	79	102954	49.2	
53 Isobutyl alcohol	43	5.201	5.201	0.0	91	275656	0	
57 Benzene	78	5.329	5.335	-0.005	95	320409	48.1	
56 Tert-amyl methyl ether	73	5.347	5.347	0.0	95	232517	44.1	
58 1,2-Dichloroethane	62	5.365	5.365	0.0	74	96352	46.5	
59 n-Heptane	43	5.420	5.420	0.0	91	140651	43.5	
136 2,4,4-Trimethyl-1-pentene	55	5.736	5.742	-0.006	0	101053	52.0	
60 n-Butanol	56	5.748	5.742	0.006	85	242860	0	
62 Trichloroethene	95	5.858	5.858	0.0	89	87165	49.7	
135 2,4,4-Trimethyl-2-pentene	97	5.919	5.918	0.001	0	229845	54.6	
64 Methylcyclohexane	83	5.992	5.992	0.0	85	141767	45.2	
65 1,2-Dichloropropane	63	6.077	6.077	0.0	94	78181	48.5	
63 Methyl methacrylate	41	6.083	6.089	-0.006	94	120715	62.4	
66 1,4-Dioxane	88	6.174	6.186	-0.012	89	59425	1717.7	
67 Dibromomethane	93	6.211	6.211	0.0	83	46428	49.1	
68 Dichlorobromomethane	83	6.320	6.320	0.0	92	93813	47.9	
69 2-Chloroethyl vinyl ether	63	6.527	6.527	0.0	90	264511	237.0	
70 2-Nitropropane	43	6.527	6.533	-0.006	97	288075	438.4	
71 Epichlorohydrin	57	6.649	6.648	0.001	97	254425	0	
72 cis-1,3-Dichloropropene	75	6.703	6.703	0.0	81	127302	50.2	
73 4-Methyl-2-pentanone (MIBK)	43	6.801	6.801	0.0	95	449361	222.7	
74 Toluene	92	6.995	6.995	0.0	92	218309	47.0	
75 Ethyl methacrylate	69	7.214	7.214	0.0	87	105411	48.2	
77 trans-1,3-Dichloropropene	75	7.221	7.220	0.001	92	112751	48.8	
79 1,1,2-Trichloroethane	83	7.415	7.415	0.0	84	59114	48.1	
81 Tetrachloroethene	166	7.519	7.525	-0.006	90	107206	49.1	
82 1,3-Dichloropropane	76	7.586	7.585	0.001	92	119509	46.8	
80 2-Hexanone	43	7.592	7.592	0.0	94	332286	229.6	
83 Chlorodibromomethane	129	7.829	7.829	0.0	85	81090	46.8	
84 Ethylene Dibromide	107	7.963	7.963	0.0	96	82390	48.3	
86 4-Chlorobenzotrifluoride	180	8.303	8.303	0.0	90	162334	0	

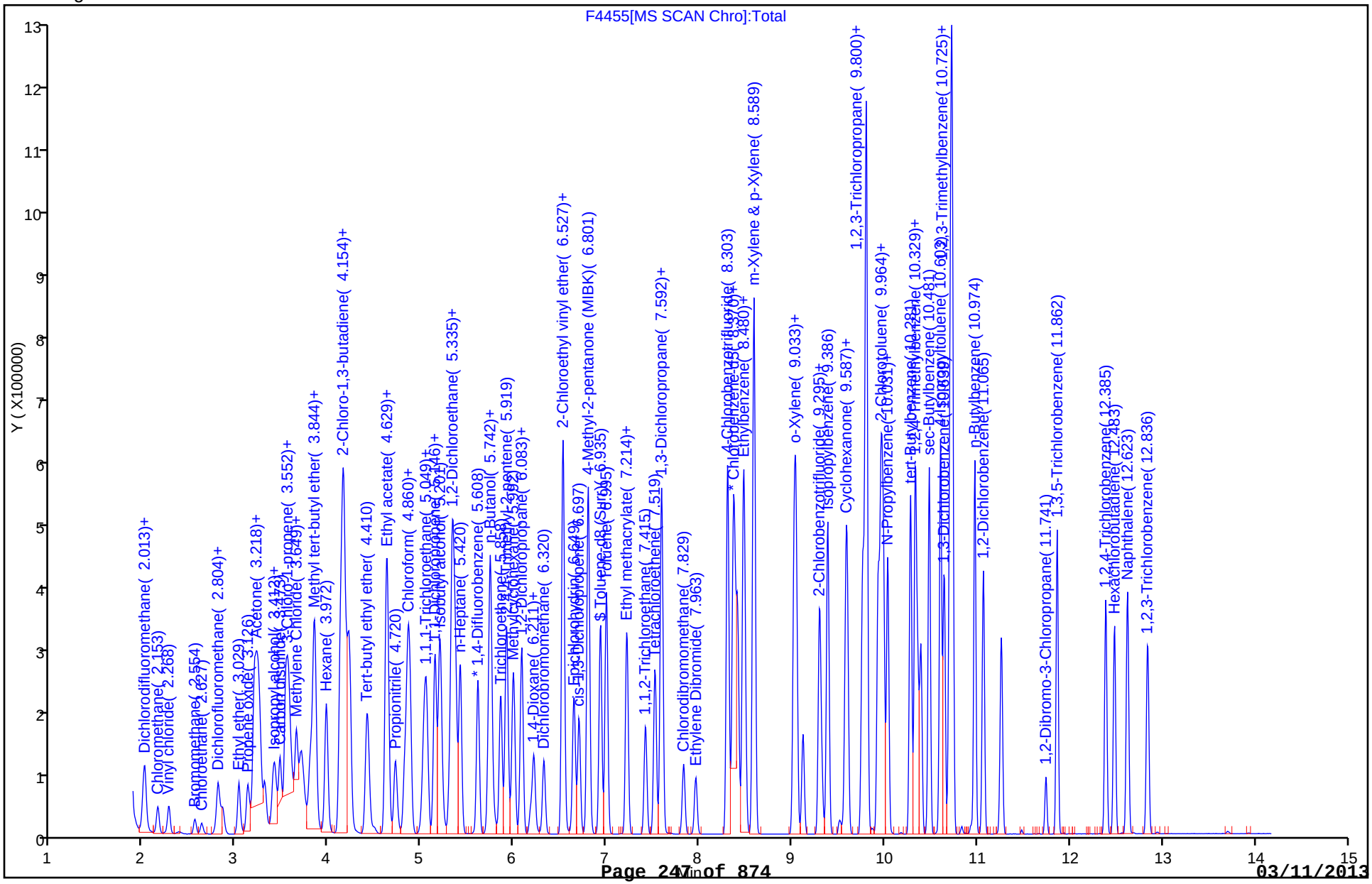
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
85 3-Chlorobenzotrifluoride	180	8.364	8.364	0.0	86	159921	0	
87 Chlorobenzene	112	8.413	8.413	0.0	96	260623	46.4	
88 Ethylbenzene	91	8.474	8.474	0.0	97	408528	48.6	
89 1,1,1,2-Tetrachloroethane	131	8.492	8.492	0.0	85	88258	47.7	
90 m-Xylene & p-Xylene	106	8.589	8.589	0.0	100	344727	96.7	
91 o-Xylene	106	9.021	9.021	0.0	95	165956	47.8	
92 Styrene	104	9.046	9.045	0.001	95	277985	49.2	
93 2-Chlorobenzotrifluoride	180	9.295	9.295	0.0	96	159306	0	
95 Bromoform	173	9.325	9.319	0.006	95	53859	47.6	
94 Isopropylbenzene	105	9.386	9.386	0.0	94	429613	50.5	
96 Cyclohexanone	55	9.581	9.581	0.0	89	182767	0	
97 1,1,2,2-Tetrachloroethane	83	9.757	9.757	0.0	78	105519	50.9	
101 Bromobenzene	156	9.770	9.769	0.001	86	115925	47.5	
98 trans-1,4-Dichloro-2-butene	53	9.800	9.800	0.0	55	131070	251.0	
100 1,2,3-Trichloropropane	110	9.812	9.812	0.0	70	34783	49.3	
103 2-Chlorotoluene	126	9.928	9.928	0.0	98	114295	49.5	
102 1,3,5-Trimethylbenzene	105	9.958	9.964	-0.006	92	363782	50.7	
104 3-Chlorotoluene	126	9.989	9.988	0.001	83	134667	0	
99 N-Propylbenzene	91	10.031	10.031	0.0	52	318847	53.5	
105 4-Chlorotoluene	126	10.031	10.031	0.0	96	119575	50.3	
106 tert-Butylbenzene	134	10.281	10.280	0.001	87	89125	50.0	
107 1,2,4-Trimethylbenzene	105	10.329	10.329	0.0	94	363446	51.0	
108 Pentachloroethane	167	10.360	10.359	0.001	87	59853	0	
109 sec-Butylbenzene	105	10.481	10.481	0.0	92	471872	51.4	
110 4-Isopropyltoluene	119	10.603	10.603	0.0	94	438366	52.7	
111 1,3-Dichlorobenzene	146	10.646	10.645	0.001	89	223479	48.1	
114 Dicyclopentadiene	66	10.719	10.718	0.001	96	400731	0	
113 1,4-Dichlorobenzene	146	10.725	10.725	0.0	82	222063	46.6	
112 1,2,3-Trimethylbenzene	105	10.731	10.731	0.001	93	382255	0	
115 n-Butylbenzene	91	10.974	10.974	0.0	93	348886	53.0	
116 1,2-Dichlorobenzene	146	11.065	11.065	0.0	98	210454	47.5	
117 1,2-Dibromo-3-Chloropropane	75	11.741	11.741	0.0	77	19564	55.5	
118 1,3,5-Trichlorobenzene	180	11.862	11.862	0.0	97	173305	0	
119 1,2,4-Trichlorobenzene	180	12.385	12.385	0.0	94	141673	51.9	
120 Hexachlorobutadiene	225	12.483	12.483	0.0	94	77676	54.1	
121 Naphthalene	128	12.623	12.623	0.0	96	388247	53.5	
122 1,2,3-Trichlorobenzene	180	12.842	12.842	0.0	95	125818	52.2	
S 125 1,2-Dichloroethene, Total	1				0		98.3	
S 126 1,3-Dichloropropene, Total	1				0		99.0	
S 124 Xylenes, Total	1				0		144.5	

Report Date: 19-Dec-2012 15:59:01 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973F\20121219-17691.b\F4455.D		
Injection Date:	19-Dec-2012 14:56:30	Limit Group:	MV - 8260MCP_RCP
Client ID:		Instrument ID:	HP5973F
Lims Batch ID:	96559	Lims Sample ID:	5
Operator ID:	JMB	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo
Job No.: 480-30346-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCSD 480-96559/6
Matrix: Solid
Lab File ID: F4456.D
Analysis Method: 8260C
Date Collected:
Sample wt/vol: 5(g)
Date Analyzed: 12/19/2012 15:21
Soil Aliquot Vol:
Dilution Factor: 1
Soil Extract Vol.:
GC Column: ZB-624 (60) ID: 0.25(mm)
% Moisture:
Level: (low/med) Low
Analysis Batch No.: 96559
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
107-39-1	2,4,4-Trimethyl-1-pentene	48.4		5.0	0.43
107-40-4	2,4,4-Trimethyl-2-pentene	47.9		5.0	0.53

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	87		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	87		70-130
460-00-4	4-Bromofluorobenzene (Surr)	83		70-130

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973F\20121219-17691.b\F4456.D		
Lims ID:	LCSD	Client ID:	
Inject. Date:	19-Dec-2012 15:21:30	Dil. Factor:	1.0000
Sample Type:	LCSD		
Sample ID:	LCSD		
Misc. Info.:	480-0017691-006 =480-0017691-006		
Operator:	JMB	Instrument ID:	HP5973F
Purge Vol:	5.000 mL	ALS Bottle#:	6
Lims Batch ID:	96559	Lims Sample ID:	6
Detector:	MS SCAN		

Method:	\\Bufchrom\ChromData\HP5973F\20121219-17691.b\F-8260 SOIL.m		
Last Update:	19-Dec-2012 16:00:45	Calib Date:	17-Dec-2012 14:47:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973F\20121217-17620.b\F4396.D		
Limit Group:	MV - 8260MCP_RCP		
Integrator:	RTE	ID Type:	RT Order ID
Column Type:	ZB-624	Column Dia:	0.25 mm
Process Host:	XAWRK020		

First Level Reviewer: ByrnesJ Date: 19-Dec-2012 16:00:02

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.608	5.608	0.0	92	289227	50.0	
* 2 Chlorobenzene-d5	82	8.382	8.382	0.0	77	127807	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.700	10.700	0.0	90	138056	50.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.304	5.304	0.0	94	41484	43.5	
$ 5 Toluene-d8 (Surr)	98	6.928	6.934	-0.006	81	322915	43.7	
$ 6 4-Bromofluorobenzene (Surr)	174	9.599	9.599	0.0	90	105259	41.4	
10 Dichlorodifluoromethane	85	1.989	2.007	-0.018	86	114889	82.2	
11 Chlorodifluoromethane	51	2.007	2.019	-0.012	73	84304	0	
12 Chloromethane	50	2.147	2.159	-0.012	89	58680	40.5	
13 Vinyl chloride	62	2.262	2.274	-0.012	81	61182	41.8	
14 Bromomethane	94	2.542	2.560	-0.018	79	18555	33.7	
15 Chloroethane	64	2.615	2.633	-0.018	70	19182	37.9	
16 Dichlorofluoromethane	67	2.798	2.810	-0.012	80	91082	0	
17 Trichlorofluoromethane	101	2.840	2.858	-0.018	81	76519	40.1	
18 Ethyl ether	59	3.017	3.035	-0.018	89	65727	37.1	
19 Propene oxide	58	3.120	3.132	-0.012	92	107770	0	
20 Acrolein	56	3.187	3.193	-0.006	91	254914	834.2	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.217	3.236	-0.019	79	145346	84.9	
22 1,1-Dichloroethene	96	3.254	3.260	-0.006	82	73885	45.2	
23 Acetone	43	3.303	3.309	-0.006	97	143983	206.0	
24 Isopropyl alcohol	45	3.388	3.394	-0.006	99	187573	0	
25 Iodomethane	142	3.412	3.424	-0.012	96	109590	41.5	
26 Carbon disulfide	76	3.467	3.473	-0.006	98	214207	40.5	
27 Methyl acetate	43	3.522	3.528	-0.006	95	100656	43.4	
28 3-Chloro-1-propene	41	3.552	3.540	0.012	41	637128	193.9	
29 Acetonitrile	40	3.558	3.564	-0.006	98	289367	1770.6	
30 Methylene Chloride	84	3.643	3.649	-0.006	82	88562	44.1	
31 2-Methyl-2-propanol	59	3.698	3.698	0.0	97	304091	731.5	
32 Methyl tert-butyl ether	73	3.802	3.801	0.001	87	229480	45.7	
34 trans-1,2-Dichloroethene	96	3.832	3.838	-0.006	96	89399	45.7	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
33 Acrylonitrile	53	3.850	3.856	-0.006	98	195217	222.0	
35 Hexane	57	3.966	3.978	-0.012	90	135658	0	
36 Isopropyl ether	45	4.124	4.130	-0.006	75	294946	41.0	
134 Halothane	117	4.124	4.130	-0.006	0	74416	61.4	
37 Vinyl acetate	43	4.154	4.160	-0.006	97	1000872	278.9	
39 1,1-Dichloroethane	63	4.173	4.179	-0.006	69	146850	47.3	
38 1,1-Dimethoxyethane	75	4.197	4.203	-0.006	63	126340	0	
40 2-Chloro-1,3-butadiene	53	4.221	4.227	-0.006	87	131735	0	
41 Tert-butyl ethyl ether	59	4.410	4.416	-0.006	97	265818	40.0	
42 Ethyl acetate	43	4.617	4.617	0.0	92	349247	0	
43 2-Butanone (MEK)	43	4.617	4.623	-0.006	98	349247	309.7	
44 2,2-Dichloropropane	77	4.623	4.629	-0.006	80	114730	47.5	
45 cis-1,2-Dichloroethene	96	4.629	4.635	-0.006	68	98118	45.8	
46 Propionitrile	54	4.714	4.720	-0.006	98	174506	406.9	
47 Methacrylonitrile	41	4.811	4.817	-0.006	90	61004	0	
48 Chlorobromomethane	128	4.842	4.842	0.0	80	51212	46.4	
49 Tetrahydrofuran	42	4.854	4.860	-0.006	91	167361	225.7	
50 Chloroform	83	4.872	4.878	-0.006	80	139572	46.2	
51 1,1,1-Trichloroethane	97	5.024	5.024	0.0	89	120838	44.9	
52 Cyclohexane	56	5.049	5.055	-0.006	87	132973	40.4	
54 1,1-Dichloropropene	75	5.140	5.146	-0.006	94	110717	47.0	
55 Carbon tetrachloride	117	5.152	5.152	0.0	80	105255	45.5	
53 Isobutyl alcohol	43	5.195	5.201	-0.006	91	291617	0	
57 Benzene	78	5.328	5.335	-0.006	95	334320	45.2	
56 Tert-amyl methyl ether	73	5.341	5.347	-0.006	94	252851	43.2	
58 1,2-Dichloroethane	62	5.365	5.365	0.0	78	104383	45.4	
59 n-Heptane	43	5.414	5.420	-0.006	92	143381	40.0	
136 2,4,4-Trimethyl-1-pentene	55	5.736	5.742	-0.006	0	104321	48.4	
60 n-Butanol	56	5.742	5.742	0.0	90	254023	0	
62 Trichloroethene	95	5.852	5.858	-0.006	90	91703	47.2	
135 2,4,4-Trimethyl-2-pentene	97	5.919	5.918	0.001	0	223308	47.9	
64 Methylcyclohexane	83	5.992	5.992	0.0	84	143305	41.3	
65 1,2-Dichloropropane	63	6.077	6.077	0.0	94	83113	46.5	
63 Methyl methacrylate	41	6.083	6.089	-0.006	94	128072	59.7	
66 1,4-Dioxane	88	6.180	6.186	-0.006	88	59426	1549.6	
67 Dibromomethane	93	6.211	6.211	0.0	87	51679	49.3	
68 Dichlorobromomethane	83	6.320	6.320	0.0	92	100638	46.4	
69 2-Chloroethyl vinyl ether	63	6.527	6.527	0.0	89	288073	232.8	
70 2-Nitropropane	43	6.527	6.533	-0.006	98	315531	429.7	
71 Epichlorohydrin	57	6.643	6.648	-0.005	98	262849	0	
72 cis-1,3-Dichloropropene	75	6.697	6.703	-0.006	82	136840	48.7	
73 4-Methyl-2-pentanone (MIBK)	43	6.801	6.801	0.0	94	479991	214.6	
74 Toluene	92	6.995	6.995	0.0	98	227765	44.3	
75 Ethyl methacrylate	69	7.214	7.214	0.0	88	114772	47.3	
77 trans-1,3-Dichloropropene	75	7.220	7.220	0.0	91	122779	48.0	
79 1,1,2-Trichloroethane	83	7.415	7.415	0.0	84	63824	46.8	
81 Tetrachloroethene	166	7.519	7.525	-0.006	90	112551	46.5	
82 1,3-Dichloropropane	76	7.585	7.585	0.0	91	129418	45.7	
80 2-Hexanone	43	7.592	7.592	0.0	94	358762	223.6	
83 Chlorodibromomethane	129	7.829	7.829	0.0	86	87524	45.6	
84 Ethylene Dibromide	107	7.963	7.963	0.0	96	89468	47.3	
86 4-Chlorobenzotrifluoride	180	8.309	8.303	0.006	91	165198	0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
85 3-Chlorobenzotrifluoride	180	8.364	8.364	0.0	86	162740	0	
87 Chlorobenzene	112	8.413	8.413	0.0	95	274105	44.1	
88 Ethylbenzene	91	8.474	8.474	0.0	97	427138	45.8	
89 1,1,1,2-Tetrachloroethane	131	8.486	8.492	-0.006	87	94500	46.2	
90 m-Xylene & p-Xylene	106	8.589	8.589	0.0	100	359683	91.0	
91 o-Xylene	106	9.021	9.021	0.0	94	176464	45.9	
92 Styrene	104	9.046	9.045	0.001	95	297964	47.6	
93 2-Chlorobenzotrifluoride	180	9.295	9.295	0.0	96	165238	0	
95 Bromoform	173	9.325	9.319	0.006	97	59217	47.2	
94 Isopropylbenzene	105	9.386	9.386	0.0	94	441829	46.5	
96 Cyclohexanone	55	9.581	9.581	0.0	89	196770	0	
97 1,1,2,2-Tetrachloroethane	83	9.757	9.757	0.0	79	115469	49.8	
101 Bromobenzene	156	9.769	9.769	0.0	86	124330	45.6	
98 trans-1,4-Dichloro-2-butene	53	9.800	9.800	0.0	57	143890	246.6	
100 1,2,3-Trichloropropane	110	9.812	9.812	0.0	60	38069	48.3	
103 2-Chlorotoluene	126	9.928	9.928	0.0	98	120273	46.6	
102 1,3,5-Trimethylbenzene	105	9.958	9.964	-0.006	93	378247	47.2	
104 3-Chlorotoluene	126	9.989	9.988	0.0	85	142680	0	
99 N-Propylbenzene	91	10.031	10.031	0.0	52	334767	50.3	
105 4-Chlorotoluene	126	10.031	10.031	0.0	96	124111	46.7	
106 tert-Butylbenzene	134	10.281	10.280	0.001	87	92248	46.4	
107 1,2,4-Trimethylbenzene	105	10.329	10.329	0.0	92	381888	48.0	
108 Pentachloroethane	167	10.360	10.359	0.001	78	62234	0	
109 sec-Butylbenzene	105	10.481	10.481	0.0	92	487077	47.5	
110 4-Isopropyltoluene	119	10.603	10.603	0.0	96	456632	49.1	
111 1,3-Dichlorobenzene	146	10.639	10.645	-0.006	90	238399	45.9	
114 Dicyclopentadiene	66	10.719	10.718	0.001	96	414564	0	
113 1,4-Dichlorobenzene	146	10.725	10.725	0.0	84	238123	44.7	
112 1,2,3-Trimethylbenzene	105	10.731	10.731	0.001	97	407560	0	
115 n-Butylbenzene	91	10.974	10.974	0.0	93	363403	49.4	
116 1,2-Dichlorobenzene	146	11.065	11.065	0.0	98	228725	46.2	
117 1,2-Dibromo-3-Chloropropane	75	11.741	11.741	0.0	79	20963	53.4	
118 1,3,5-Trichlorobenzene	180	11.862	11.862	0.0	97	184665	0	
119 1,2,4-Trichlorobenzene	180	12.385	12.385	0.0	93	157622	51.7	
120 Hexachlorobutadiene	225	12.483	12.483	0.0	93	80522	50.2	
121 Naphthalene	128	12.623	12.623	0.0	96	433328	53.4	
122 1,2,3-Trichlorobenzene	180	12.842	12.842	0.0	95	140710	52.3	
S 125 1,2-Dichloroethene, Total	1				0		91.5	
S 126 1,3-Dichloropropene, Total	1				0		96.7	
S 124 Xylenes, Total	1				0		136.9	

Report Date: 19-Dec-2012 16:00:45 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973F\20121219-17691.b\F4456.D

Injection Date: 19-Dec-2012 15:21:30 Limit Group: MV - 8260MCP_RCP

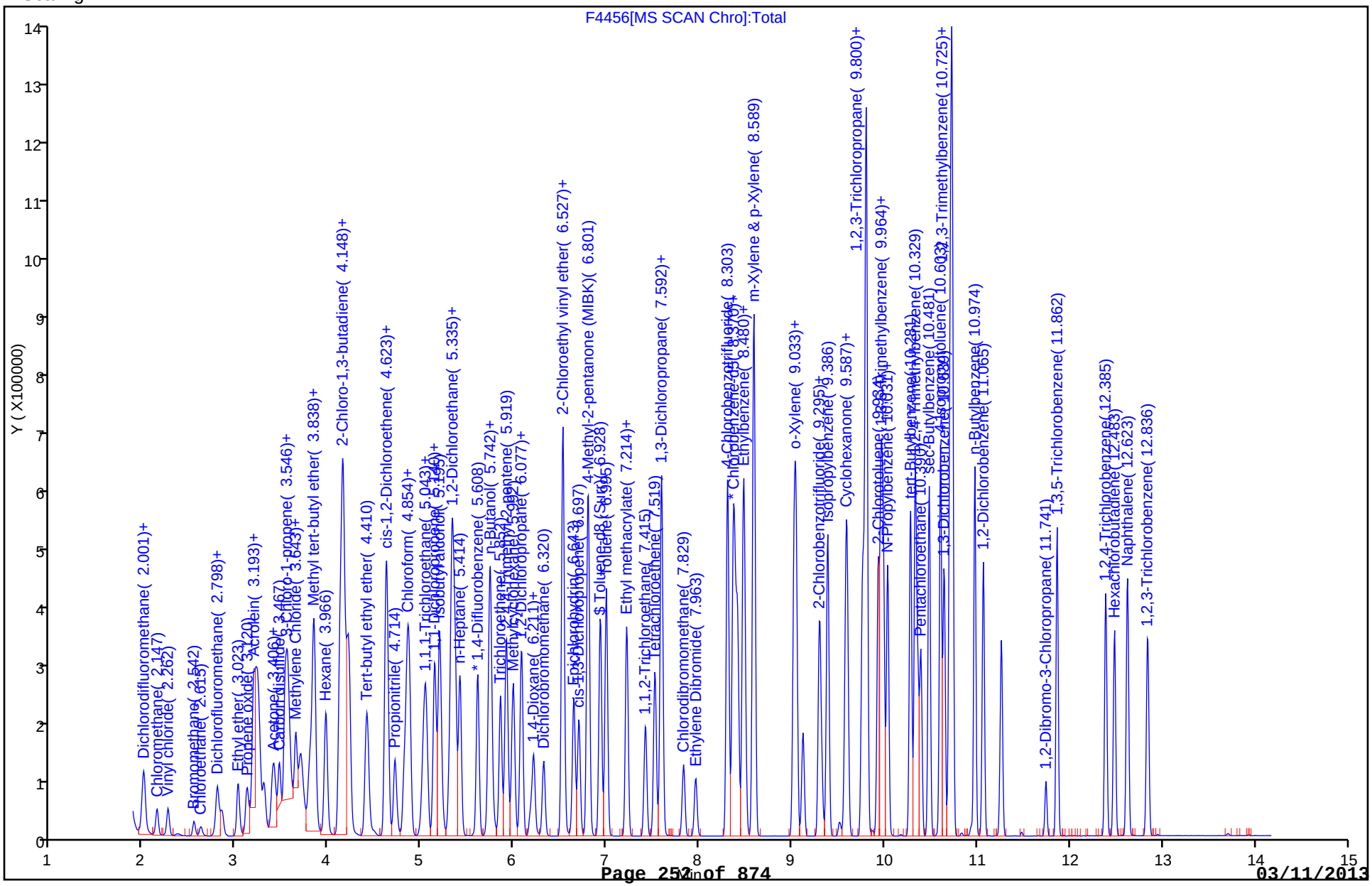
Client ID: Instrument ID: HP5973F

Lims Batch ID: 96559 Lims Sample ID: 6

Operator ID: JMB Purge Vol: 5.000 mL

Column Type: ZB-624 Column Dia: 0.25 mm

Y Scaling:



GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-30346-1

SDG No.:

Instrument ID: HP5973F Start Date: 12/11/2012 15:25

Analysis Batch Number: 95189 End Date: 12/11/2012 23:36

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-95189/2		12/11/2012 15:25	1	F4221.D	ZB-624 (60) 0.25(mm)
STD1 480-95189/3 IC		12/11/2012 15:52	1		ZB-624 (60) 0.25(mm)
STD2 480-95189/4 IC		12/11/2012 16:17	1		ZB-624 (60) 0.25(mm)
STD3 480-95189/5 IC		12/11/2012 16:43	1		ZB-624 (60) 0.25(mm)
STD4 480-95189/6 IC		12/11/2012 17:08	1		ZB-624 (60) 0.25(mm)
STD5 480-95189/7 ICIS		12/11/2012 17:34	1		ZB-624 (60) 0.25(mm)
STD6 480-95189/8 IC		12/11/2012 17:59	1		ZB-624 (60) 0.25(mm)
STD7 480-95189/9 IC		12/11/2012 18:24	1		ZB-624 (60) 0.25(mm)
STD8 480-95189/10 IC		12/11/2012 18:50	1	F4229.D	ZB-624 (60) 0.25(mm)
STD9 480-95189/11 IC		12/11/2012 19:15	1	F4230.D	ZB-624 (60) 0.25(mm)
STD11 480-95189/13 IC		12/11/2012 20:07	1	F4232.D	ZB-624 (60) 0.25(mm)
STD12 480-95189/14 IC		12/11/2012 20:32	1	F4233.D	ZB-624 (60) 0.25(mm)
STD13 480-95189/15 IC		12/11/2012 20:57	1	F4234.D	ZB-624 (60) 0.25(mm)
STD14 480-95189/16 IC		12/11/2012 21:23	1	F4235.D	ZB-624 (60) 0.25(mm)
MDLV 480-95189/18		12/11/2012 22:14	1		ZB-624 (60) 0.25(mm)
ICV 480-95189/19		12/11/2012 22:39	1		ZB-624 (60) 0.25(mm)
STD10 480-95189/20 IC		12/11/2012 23:36	1	F4239.D	ZB-624 (60) 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-30346-1

SDG No.:

Instrument ID: HP5973F Start Date: 12/17/2012 11:45

Analysis Batch Number: 96157 End Date: 12/17/2012 16:05

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-96157/2		12/17/2012 11:45	1	F4389.D	ZB-624 (60) 0.25(mm)
STD1 480-96157/3 IC		12/17/2012 12:14	1	F4390.D	ZB-624 (60) 0.25(mm)
STD2 480-96157/4 IC		12/17/2012 12:40	1	F4391.D	ZB-624 (60) 0.25(mm)
STD3 480-96157/5 IC		12/17/2012 13:05	1	F4392.D	ZB-624 (60) 0.25(mm)
STD4 480-96157/6 IC		12/17/2012 13:31	1	F4393.D	ZB-624 (60) 0.25(mm)
STD5 480-96157/7 ICIS		12/17/2012 13:56	1	F4394.D	ZB-624 (60) 0.25(mm)
STD6 480-96157/8 IC		12/17/2012 14:22	1	F4395.D	ZB-624 (60) 0.25(mm)
STD7 480-96157/12 IC		12/17/2012 14:47	1	F4396.D	ZB-624 (60) 0.25(mm)
MDLV 480-96157/10		12/17/2012 15:39	1		ZB-624 (60) 0.25(mm)
ICV 480-96157/11		12/17/2012 16:05	1		ZB-624 (60) 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-30346-1

SDG No.:

Instrument ID: HP5973F Start Date: 12/19/2012 11:00

Analysis Batch Number: 96559 End Date: 12/19/2012 19:11

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-96559/1		12/19/2012 11:00	1	F4451.D	ZB-624 (60) 0.25(mm)
CCVIS 480-96559/3		12/19/2012 11:53	1	F4453.D	ZB-624 (60) 0.25(mm)
CCV 480-96559/4		12/19/2012 12:42	1	F4454.D	ZB-624 (60) 0.25(mm)
LCS 480-96559/5		12/19/2012 14:56	1	F4455.D	ZB-624 (60) 0.25(mm)
LCSD 480-96559/6		12/19/2012 15:21	1	F4456.D	ZB-624 (60) 0.25(mm)
MB 480-96559/7		12/19/2012 15:47	1	F4457.D	ZB-624 (60) 0.25(mm)
480-30346-7	OC-SB-518-0.0/1.0-XXX	12/19/2012 16:38	1	F4458.D	ZB-624 (60) 0.25(mm)
480-30346-8	OC-SB-518-8.0/10-XXX	12/19/2012 17:03	1	F4459.D	ZB-624 (60) 0.25(mm)
480-30346-9	OC-SB-518-13/15-XXX	12/19/2012 17:29	1	F4460.D	ZB-624 (60) 0.25(mm)
ZZZZZ		12/19/2012 17:54	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/19/2012 18:20	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/19/2012 18:46	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/19/2012 19:11	1		ZB-624 (60) 0.25(mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-30346-1

SDG No.:

Batch Number: 96598 Batch Start Date: 12/19/12 13:30 Batch Analyst: Byrnes, Jennifer M

Batch Method: 5035 Batch End Date: 12/19/12 22:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	TareWeight	Vial&SampleWt	InitialAmount	FinalAmount		
480-30346-G-7	OC-SB-518-0.0/1.0-XXX	5035, 8260C	T	30.18 g	35.83 g	5.65 g	5 mL		
480-30346-G-8	OC-SB-518-8.0/10-XXX	5035, 8260C	T	30.77 g	36.97 g	6.2 g	5 mL		
480-30346-F-9	OC-SB-518-13/15-XXX	5035, 8260C	T	30.56 g	37.02 g	6.46 g	5 mL		

Batch Notes	

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.

8270_LL_MCP

Semivolatile Organic Compounds (GC/MS) Low Level

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-30346-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): RXI-5Sil MS ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	2FP	#	PHL	#	NBZ	#	FBP	#	TBP	#	TPH	#
OC-SB-519-0.0/1.0-XXX	480-30346-4	71		66		75		76		83		56	
OC-SB-519-0.0/1.0-XXX DL	480-30346-4 DL	0	X	0	X	0	X	0	X	0	X	0	X
OC-SB-519-8.0/10-XXX	480-30346-5	103		89		92		112		115		103	
OC-SB-519-12/14-XXX	480-30346-6	85		76		73		107		114		77	
OC-SB-518-0.0/1.0-XXX	480-30346-7	0	X	0	X	0	X	0	X	0	X	0	X
OC-SB-518-8.0/10-XXX	480-30346-8	54		65		55		78		81		65	
OC-SB-518-13/15-XXX	480-30346-9	0	X	0	X	0	X	0	X	0	X	0	X
	MB 480-96561/1-A	81		77		103		96		90		92	
	LCS 480-96561/2-A	77		86		86		97		84		91	
	LCSD 480-96561/3-A	81		97		87		96		90		88	

	QC LIMITS
2FP = 2-Fluorophenol	30-130
PHL = Phenol-d5	30-130
NBZ = Nitrobenzene-d5	30-130
FBP = 2-Fluorobiphenyl	30-130
TBP = 2,4,6-Tribromophenol	30-130
TPH = p-Terphenyl-d14	30-130

Column to be used to flag recovery values

FORM II 8270D

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-30346-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: X3203.D

Lab ID: LCS 480-96561/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Bis(2-ethylhexyl) phthalate	265	231	87	40-140	
2,4,5-Trichlorophenol	265	247	93	30-130	
Aniline	291	225	77	40-140	
Hexachloroethane	265	210	79	40-140	
Dimethyl phthalate	265	239	90	40-140	
2,4-Dimethylphenol	265	240	91	30-130	
Isophorone	265	226	85	40-140	
Fluorene	265	226	85	40-140	
Dibenzofuran	265	253	95	40-140	
Acenaphthylene	265	246	93	40-140	
2,4-Dichlorophenol	265	228	86	30-130	
Benzo[g,h,i]perylene	265	160	60	40-140	
Hexachlorobenzene	265	257	97	40-140	
Di-n-octyl phthalate	265	285	108	40-140	
Hexachlorobutadiene	265	203	77	40-140	
Phenanthrene	265	253	95	40-140	
2-Nitrophenol	265	233	88	30-130	
Benzo[k]fluoranthene	265	298	112	40-140	
2,4-Dinitrophenol	265	251	95	30-130	
Anthracene	265	254	96	40-140	
2-Methylnaphthalene	265	203	77	40-140	
Di-n-butyl phthalate	265	273	103	40-140	
1,2,4-Trichlorobenzene	265	210	79	40-140	
Pyrene	265	220	83	40-140	
2,4-Dinitrotoluene	265	236	89	40-140	
Dibenz(a,h)anthracene	265	168	63	40-140	
1,3-Dichlorobenzene	265	195	74	40-140	
Nitrobenzene	265	233	88	40-140	
Naphthalene	265	212	80	40-140	
2,4,6-Trichlorophenol	265	255	96	30-130	
Pentachlorophenol	265	233	88	30-130	
Fluoranthene	265	209	79	40-140	
3,3'-Dichlorobenzidine	265	225	85	40-140	
4-Bromophenyl phenyl ether	265	266	100	40-140	
Diethyl phthalate	265	240	90	40-140	
2-Methylphenol	265	261	98	30-130	
1,2-Dichlorobenzene	265	204	77	40-140	
2,2'-oxybis[1-chloropropane]	265	194	73	40-140	
Acetophenone	530	502	95	40-140	
Bis(2-chloroethyl)ether	265	219	83	40-140	
Benzo[a]anthracene	265	277	105	40-140	
Indeno[1,2,3-cd]pyrene	265	158	60	40-140	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-30346-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: X3203.D

Lab ID: LCS 480-96561/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Butyl benzyl phthalate	265	224	84	40-140	
Chrysene	265	236	89	40-140	
Acenaphthene	265	215	81	40-140	
Benzo[b]fluoranthene	265	248	94	40-140	
4-Nitrophenol	265	240	90	30-130	
4-Chloroaniline	254	190	75	40-140	
2-Chlorophenol	265	236	89	30-130	
2,6-Dinitrotoluene	265	123	46	40-140	
Phenol	265	234	88	30-130	
1,4-Dichlorobenzene	265	208	78	40-140	
Bis(2-chloroethoxy)methane	265	235	89	40-140	
2-Chloronaphthalene	265	219	83	40-140	
N-Nitrosodi-n-propylamine	265	239	90		
4-Chlorophenyl phenyl ether	265	238	90		
4-Chloro-3-methylphenol	265	241	91		
Benzo[a]pyrene	265	235	89	40-140	
4-Methylphenol	530	527	99		
4-Nitroaniline	265	171	65		
2-Nitroaniline	265	254	96		
Caprolactam	265	232	87		
Carbazole	265	219	83		
4,6-Dinitro-2-methylphenol	265	189	71		
1-Methylnaphthalene	530	503	95		
N-Nitrosodiphenylamine	265	144	54		
Atrazine	265	218	82	40-140	
Phenyl ether	265	326	123		
Benzaldehyde	265	238	90		
Azobenzene	265	710	268	40-140	E *
Hexachlorocyclopentadiene	265	192	72		
3-Nitroaniline	260	175	67		
N-Nitrosodimethylamine	265	189	71		
Benzyl alcohol	265	176	66		
1,1'-Biphenyl	265	273	103		
2,3,4,6-Tetrachlorophenol	530	493	93		
Benzophenone	265	294	111		
Benzoic acid	265	337	127		
1,2,4,5-Tetrachlorobenzene	530	561	106		

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-30346-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: X3204.D

Lab ID: LCSD 480-96561/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Bis(2-ethylhexyl) phthalate	265	254	96	9	30	40-140	
2,4,5-Trichlorophenol	265	254	96	3	30	30-130	
Aniline	291	237	81	5	30	40-140	
Hexachloroethane	265	216	81	3	30	40-140	
Dimethyl phthalate	265	256	96	7	30	40-140	
2,4-Dimethylphenol	265	249	94	3	30	30-130	
Isophorone	265	242	91	7	30	40-140	
Fluorene	265	236	89	4	30	40-140	
Dibenzofuran	265	256	97	1	30	40-140	
Acenaphthylene	265	254	96	3	30	40-140	
2,4-Dichlorophenol	265	246	93	8	30	30-130	
Benzo[g,h,i]perylene	265	154	58	4	30	40-140	
Hexachlorobenzene	265	254	96	1	30	40-140	
Di-n-octyl phthalate	265	298	113	4	30	40-140	
Hexachlorobutadiene	265	218	82	7	30	40-140	
Phenanthrene	265	255	96	1	30	40-140	
2-Nitrophenol	265	239	90	3	30	30-130	
Benzo[k]fluoranthene	265	302	114	2	30	40-140	
2,4-Dinitrophenol	265	116	44	74	30	30-130	*
Anthracene	265	259	98	2	30	40-140	
2-Methylnaphthalene	265	219	82	7	30	40-140	
Di-n-butyl phthalate	265	277	105	1	30	40-140	
1,2,4-Trichlorobenzene	265	223	84	6	30	40-140	
Pyrene	265	239	90	9	30	40-140	
2,4-Dinitrotoluene	265	242	91	3	30	40-140	
Dibenz(a,h)anthracene	265	172	65	3	30	40-140	
1,3-Dichlorobenzene	265	204	77	4	30	40-140	
Nitrobenzene	265	232	88	0	30	40-140	
Naphthalene	265	218	82	3	30	40-140	
2,4,6-Trichlorophenol	265	273	103	7	30	30-130	
Pentachlorophenol	265	260	98	11	30	30-130	
Fluoranthene	265	205	77	2	30	40-140	
3,3'-Dichlorobenzidine	265	242	91	7	30	40-140	
4-Bromophenyl phenyl ether	265	277	105	4	30	40-140	
Diethyl phthalate	265	253	95	5	30	40-140	
2-Methylphenol	265	239	90	9	30	30-130	
1,2-Dichlorobenzene	265	212	80	4	30	40-140	
2,2'-oxybis[1-chloropropane]	265	209	79	7	30	40-140	
Acetophenone	530	540	102	7	30	40-140	
Bis(2-chloroethyl)ether	265	225	85	3	30	40-140	
Benzo[a]anthracene	265	278	105	0	30	40-140	
Indeno[1,2,3-cd]pyrene	265	162	61	2	30	40-140	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-30346-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: X3204.D

Lab ID: LCSD 480-96561/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Butyl benzyl phthalate	265	243	92	8	30	40-140	
Chrysene	265	261	98	10	30	40-140	
Acenaphthene	265	225	85	4	30	40-140	
Benzo[b]fluoranthene	265	267	101	7	30	40-140	
4-Nitrophenol	265	36.2 J	14	147	30	30-130	*
4-Chloroaniline	254	208	82	9	30	40-140	
2-Chlorophenol	265	243	92	3	30	30-130	
2,6-Dinitrotoluene	265	128	48	4	30	40-140	
Phenol	265	250	94	7	30	30-130	
1,4-Dichlorobenzene	265	207	78	0	30	40-140	
Bis(2-chloroethoxy)methane	265	235	89	0	30	40-140	
2-Chloronaphthalene	265	227	86	3	30	40-140	
N-Nitrosodi-n-propylamine	265	237	90	1			
4-Chlorophenyl phenyl ether	265	239	90	0			
4-Chloro-3-methylphenol	265	275	104	13			
Benzo[a]pyrene	265	248	93	5	30	40-140	
4-Methylphenol	530	515	97	2			
4-Nitroaniline	265	184	69	7			
2-Nitroaniline	265	277	105	9			
Caprolactam	265	309	117	29			
Carbazole	265	226	85	3			
4,6-Dinitro-2-methylphenol	265	221	83	15			
1-Methylnaphthalene	530	486	92	3			
N-Nitrosodiphenylamine	265	145	55	1			
Atrazine	265	265	100	20	30	40-140	
Phenyl ether	265	287	108	13			
Benzaldehyde	265	252	95	6			
Azobenzene	265	684	258	4	30	40-140	E *
Hexachlorocyclopentadiene	265	201	76	5			
3-Nitroaniline	260	235	90	29			
N-Nitrosodimethylamine	265	194	73	3			
Benzyl alcohol	265	143	54	21			
1,1'-Biphenyl	265	291	110	6			
2,3,4,6-Tetrachlorophenol	530	585	110	17			
Benzophenone	265	283	107	4			
Benzoic acid	265	376	142	11			
1,2,4,5-Tetrachlorobenzene	530	604	114	7			

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-30346-1

SDG No.:

Lab File ID: X3202.D Lab Sample ID: MB 480-96561/1-A

Matrix: Solid Date Extracted: 12/19/2012 09:30

Instrument ID: HP5973X Date Analyzed: 12/20/2012 15:17

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-96561/2-A	X3203.D	12/20/2012 15:42
	LCSD 480-96561/3-A	X3204.D	12/20/2012 16:08
OC-SB-519-0.0/1.0-XXX	480-30346-4	X3206.D	12/20/2012 16:58
OC-SB-519-8.0/10-XXX	480-30346-5	X3207.D	12/20/2012 17:24
OC-SB-519-12/14-XXX	480-30346-6	X3208.D	12/20/2012 17:49
OC-SB-518-8.0/10-XXX	480-30346-8	X3210.D	12/20/2012 18:40
OC-SB-519-0.0/1.0-XXX DL	480-30346-4 DL	X3224.D	12/21/2012 11:04
OC-SB-518-13/15-XXX	480-30346-9	X3226.D	12/21/2012 11:54
OC-SB-518-0.0/1.0-XXX	480-30346-7	X3231.D	12/21/2012 15:08

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Buffalo Job No.: 480-30346-1

SDG No.:

Lab File ID: X3130.D DFTPP Injection Date: 12/18/2012

Instrument ID: HP5973X DFTPP Injection Time: 11:04

Analysis Batch No.: 96347

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	53.8	
68	Less than 2.0 % of mass 69	0.1	(0.3)1
69	Mass 69 relative abundance	47.5	
70	Less than 2.0 % of mass 69	0.1	(0.2)1
127	40.0 - 60.0 % of mass 198	56.6	
197	Less than 1.0 % of mass 198	0.0	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	6.8	
275	10.0 - 30.0 % of mass 198	28.3	
365	Greater than 1.0 % of mass 198	4.0	
441	Present but less than mass 443	15.2	(72.5)3
442	Greater than 40.0 % of mass 198	103.4	
443	17.0 - 23.0 % of mass 442	21.0	(20.3)2

1-Value is % mass 69 2-Value is % mass 442 3-Value is % mass 443

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 480-96347/2	X3131.D	12/18/2012	11:20
	IC 480-96347/3	X3132.D	12/18/2012	11:45
	IC 480-96347/4	X3133.D	12/18/2012	12:11
	IC 480-96347/5	X3134.D	12/18/2012	12:36
	ICIS 480-96347/6	X3135.D	12/18/2012	13:01
	IC 480-96347/7	X3136.D	12/18/2012	13:27
	IC 480-96347/8	X3137.D	12/18/2012	13:52
	IC 480-96347/9	X3138.D	12/18/2012	14:18
	IC 480-96347/10	X3139.D	12/18/2012	14:44

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Buffalo Job No.: 480-30346-1

SDG No.:

Lab File ID: X3190.D DFTPP Injection Date: 12/20/2012

Instrument ID: HP5973X DFTPP Injection Time: 10:20

Analysis Batch No.: 96803

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	55.7	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	48.4	
70	Less than 2.0 % of mass 69	0.3	(0.7)1
127	40.0 - 60.0 % of mass 198	59.5	
197	Less than 1.0 % of mass 198	0.0	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	6.9	
275	10.0 - 30.0 % of mass 198	26.5	
365	Greater than 1.0 % of mass 198	3.8	
441	Present but less than mass 443	13.9	(72.0)3
442	Greater than 40.0 % of mass 198	98.0	
443	17.0 - 23.0 % of mass 442	19.3	(19.6)2

1-Value is % mass 69 2-Value is % mass 442 3-Value is % mass 443

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-96803/2	X3191.D	12/20/2012	10:36
	MB 480-96561/1-A	X3202.D	12/20/2012	15:17
	LCS 480-96561/2-A	X3203.D	12/20/2012	15:42
	LCSD 480-96561/3-A	X3204.D	12/20/2012	16:08
OC-SB-519-0.0/1.0-XXX	480-30346-4	X3206.D	12/20/2012	16:58
OC-SB-519-8.0/10-XXX	480-30346-5	X3207.D	12/20/2012	17:24
OC-SB-519-12/14-XXX	480-30346-6	X3208.D	12/20/2012	17:49
OC-SB-518-8.0/10-XXX	480-30346-8	X3210.D	12/20/2012	18:40

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Buffalo Job No.: 480-30346-1

SDG No.:

Lab File ID: X3221.D DFTPP Injection Date: 12/21/2012

Instrument ID: HP5973X DFTPP Injection Time: 09:57

Analysis Batch No.: 97046

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	54.1	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	45.2	
70	Less than 2.0 % of mass 69	0.3	(0.6)1
127	40.0 - 60.0 % of mass 198	56.7	
197	Less than 1.0 % of mass 198	0.0	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	7.0	
275	10.0 - 30.0 % of mass 198	28.5	
365	Greater than 1.0 % of mass 198	4.1	
441	Present but less than mass 443	14.2	(70.7)3
442	Greater than 40.0 % of mass 198	102.6	
443	17.0 - 23.0 % of mass 442	20.0	(19.5)2

1-Value is % mass 69 2-Value is % mass 442 3-Value is % mass 443

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-97046/2	X3222.D	12/21/2012	10:13
OC-SB-519-0.0/1.0-XXX DL	480-30346-4 DL	X3224.D	12/21/2012	11:04
OC-SB-518-13/15-XXX	480-30346-9	X3226.D	12/21/2012	11:54
OC-SB-518-0.0/1.0-XXX	480-30346-7	X3231.D	12/21/2012	15:08

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-30346-1

SDG No.:

Sample No.: CCVIS 480-96803/2 Date Analyzed: 12/20/2012 10:36

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): X3191.D Heated Purge: (Y/N) N

Calibration ID: 11641

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		245891	6.57	916601	8.44	598337	11.06
UPPER LIMIT		491782	7.07	1833202	8.94	1196674	11.56
LOWER LIMIT		122946	6.07	458301	7.94	299169	10.56
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 480-96561/1-A		175457	6.56	633704	8.45	352883	11.10
LCS 480-96561/2-A		208342	6.55	783539	8.45	465037	11.09
LCSD 480-96561/3-A		198182	6.56	746613	8.45	459413	11.09
480-30346-4	OC-SB-519-0.0/1.0-XXX	199732	6.56	733762	8.45	439761	11.09
480-30346-5	OC-SB-519-8.0/10-XXX	162459	6.55	587826	8.45	350998	11.10
480-30346-6	OC-SB-519-12/14-XXX	195781	6.57	733226	8.46	399402	11.10
480-30346-8	OC-SB-518-8.0/10-XXX	208816	6.57	762119	8.47	456305	11.11

DCB = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270D

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-30346-1

SDG No.:

Sample No.: CCVIS 480-96803/2 Date Analyzed: 12/20/2012 10:36

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): X3191.D Heated Purge: (Y/N) N

Calibration ID: 11641

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		1001444	13.08	792610	15.73	796790	17.01
UPPER LIMIT		2002888	13.58	1585220	16.23	1593580	17.51
LOWER LIMIT		500722	12.58	396305	15.23	398395	16.51
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 480-96561/1-A		503443	13.11	437519	15.75	487766	17.04
LCS 480-96561/2-A		656111	13.11	505522	15.75	573004	17.03
LCSD 480-96561/3-A		686463	13.10	479631	15.75	553861	17.03
480-30346-4	OC-SB-519-0.0/1.0-XXX	542407	13.10	524759	15.74	944726	17.00
480-30346-5	OC-SB-519-8.0/10-XXX	492943*	13.12	398118	15.76	318635*	17.05
480-30346-6	OC-SB-519-12/14-XXX	590381	13.12	545221	15.75	380222*	17.04
480-30346-8	OC-SB-518-8.0/10-XXX	582041	13.12	579685	15.76	396213*	17.04

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270D

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-30346-1

SDG No.:

Sample No.: CCVIS 480-97046/2 Date Analyzed: 12/21/2012 10:13

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): X3222.D Heated Purge: (Y/N) N

Calibration ID: 11641

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		198819	6.60	779062	8.49	510619	11.11
UPPER LIMIT		397638	7.10	1558124	8.99	1021238	11.61
LOWER LIMIT		99410	6.10	389531	7.99	255310	10.61
LAB SAMPLE ID	CLIENT SAMPLE ID						
480-30346-4 DL	OC-SB-519-0.0/1.0-XXX DL	147449	6.57	510615	8.46	297513	11.12
480-30346-9	OC-SB-518-13/15-XXX	133744	6.58	405983	8.48	285518	11.14
480-30346-7	OC-SB-518-0.0/1.0-XXX	143089	6.55	494126	8.44	351148	11.09

DCB = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270D

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-30346-1

SDG No.:

Sample No.: CCVIS 480-97046/2 Date Analyzed: 12/21/2012 10:13

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): X3222.D Heated Purge: (Y/N) N

Calibration ID: 11641

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		898941	13.11	702599	15.77	707467	17.06
UPPER LIMIT		1797882	13.61	1405198	16.27	1414934	17.56
LOWER LIMIT		449471	12.61	351300	15.27	353734	16.56
LAB SAMPLE ID	CLIENT SAMPLE ID						
480-30346-4 DL	OC-SB-519-0.0/1.0-XXX DL	582343	13.12	472431	15.76	494688	17.04
480-30346-9	OC-SB-518-13/15-XXX	585420	13.14	490302	15.77	494156	17.07
480-30346-7	OC-SB-518-0.0/1.0-XXX	615580	13.11	437762	15.75	508908	17.04

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270D

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30346-1

SDG No.:

Client Sample ID: OC-SB-519-0.0/1.0-XXX | Lab Sample ID: 480-30346-4

Matrix: Solid | Lab File ID: X3206.D

Analysis Method: 8270D | Date Collected: 12/14/2012 09:00

Extract. Method: 3546 | Date Extracted: 12/19/2012 09:30

Sample wt/vol: 000030.3(g) | Date Analyzed: 12/20/2012 16:58

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 33.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 96803 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
117-81-7	*Bis(2-ethylhexyl) phthalate*	*2900*	*E*	*250*	*100*
95-95-4	2,4,5-Trichlorophenol	ND		50	16
62-53-3	Aniline	ND		50	15
67-72-1	Hexachloroethane	ND		50	15
131-11-3	Dimethyl phthalate	ND		50	15
105-67-9	2,4-Dimethylphenol	ND		50	15
78-59-1	Isophorone	ND		50	15
86-73-7	Fluorene	ND		50	15
132-64-9	Dibenzofuran	ND		50	15
208-96-8	Acenaphthylene	ND		50	15
120-83-2	2,4-Dichlorophenol	ND		50	15
191-24-2	Benzo[g,h,i]perylene	15	J	50	15
118-74-1	Hexachlorobenzene	ND		50	15
117-84-0	Di-n-octyl phthalate	ND		50	15
87-68-3	Hexachlorobutadiene	ND		50	15
85-01-8	Phenanthrene	96		50	15
88-75-5	2-Nitrophenol	ND		50	19
207-08-9	Benzo[k]fluoranthene	ND		50	25
51-28-5	2,4-Dinitrophenol	ND	*	50	40
120-12-7	Anthracene	94		50	15
91-57-6	2-Methylnaphthalene	ND		50	15
84-74-2	Di-n-butyl phthalate	ND		250	75
120-82-1	1,2,4-Trichlorobenzene	ND		50	15
129-00-0	Pyrene	170		50	15
121-14-2	2,4-Dinitrotoluene	ND		50	15
53-70-3	Dibenz(a,h)anthracene	ND		50	15
541-73-1	1,3-Dichlorobenzene	ND		50	15
98-95-3	Nitrobenzene	ND		50	15
91-20-3	Naphthalene	ND		50	15
88-06-2	2,4,6-Trichlorophenol	ND		50	21
87-86-5	Pentachlorophenol	ND		50	15
206-44-0	Fluoranthene	220		50	15
91-94-1	3,3'-Dichlorobenzidine	ND		100	18
101-55-3	4-Bromophenyl phenyl ether	ND		50	15

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30346-1

SDG No.:

Client Sample ID: OC-SB-519-0.0/1.0-XXX | Lab Sample ID: 480-30346-4

Matrix: Solid | Lab File ID: X3206.D

Analysis Method: 8270D | Date Collected: 12/14/2012 09:00

Extract. Method: 3546 | Date Extracted: 12/19/2012 09:30

Sample wt/vol: 000030.3(g) | Date Analyzed: 12/20/2012 16:58

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 33.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 96803 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
84-66-2	Diethyl phthalate	ND		50	16
95-48-7	2-Methylphenol	ND		50	15
95-50-1	1,2-Dichlorobenzene	ND		50	15
108-60-1	2,2'-oxybis[1-chloropropane]	ND		50	15
98-86-2	Acetophenone	20	J	50	15
111-44-4	Bis(2-chloroethyl)ether	ND		50	15
56-55-3	Benzo[a]anthracene	120		50	15
193-39-5	Indeno[1,2,3-cd]pyrene	ND		50	15
85-68-7	Butyl benzyl phthalate	ND		50	15
218-01-9	Chrysene	100		50	15
83-32-9	Acenaphthene	ND		50	15
205-99-2	Benzo[b]fluoranthene	ND		50	15
100-02-7	4-Nitrophenol	ND	*	250	21
106-47-8	4-Chloroaniline	ND		100	45
95-57-8	2-Chlorophenol	ND		50	15
606-20-2	2,6-Dinitrotoluene	ND		50	42
108-95-2	Phenol	ND		50	15
15831-10-4	3 & 4 Methylphenol	ND		50	15
106-46-7	1,4-Dichlorobenzene	ND		50	15
111-91-1	Bis(2-chloroethoxy)methane	ND		50	15
91-58-7	2-Chloronaphthalene	ND		50	15
621-64-7	N-Nitrosodi-n-propylamine	ND		50	15
7005-72-3	4-Chlorophenyl phenyl ether	ND		50	15
59-50-7	4-Chloro-3-methylphenol	ND		100	15
50-32-8	Benzo[a]pyrene	30	J	50	15
106-44-5	4-Methylphenol	ND		50	15
100-01-6	4-Nitroaniline	ND		250	42
88-74-4	2-Nitroaniline	ND		250	63
105-60-2	Caprolactam	ND		50	15
86-74-8	Carbazole	ND		50	15
534-52-1	4,6-Dinitro-2-methylphenol	ND		250	48
90-12-0	1-Methylnaphthalene	ND		50	15
86-30-6	N-Nitrosodiphenylamine	110		50	15
1912-24-9	Atrazine	ND		50	15

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30346-1

SDG No.:

Client Sample ID: OC-SB-519-0.0/1.0-XXX | Lab Sample ID: 480-30346-4

Matrix: Solid | Lab File ID: X3206.D

Analysis Method: 8270D | Date Collected: 12/14/2012 09:00

Extract. Method: 3546 | Date Extracted: 12/19/2012 09:30

Sample wt/vol: 000030.3(g) | Date Analyzed: 12/20/2012 16:58

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 33.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 96803 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
101-84-8	Phenyl ether	120		50	15
100-52-7	Benzaldehyde	160		50	15
103-33-3	Azobenzene	ND	*	50	15
77-47-4	Hexachlorocyclopentadiene	ND		100	15
99-09-2	3-Nitroaniline	ND		250	15
62-75-9	N-Nitrosodimethylamine	ND		50	15
100-51-6	Benzyl alcohol	ND		100	15
92-52-4	1,1'-Biphenyl	32	J	50	15
58-90-2	2,3,4,6-Tetrachlorophenol	ND		50	15
119-61-9	Benzophenone	ND		50	15
65-85-0	Benzoic acid	ND		250	22
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		50	15

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	83		30-130
367-12-4	2-Fluorophenol	71		30-130
4165-60-0	Nitrobenzene-d5	75		30-130
4165-62-2	Phenol-d5	66		30-130
321-60-8	2-Fluorobiphenyl	76		30-130
1718-51-0	p-Terphenyl-d14	56		30-130

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Buffalo Job No.: 480-30346-1

SDG No.:

Client Sample ID: OC-SB-519-0.0/1.0-XXX Lab Sample ID: 480-30346-4

Matrix: Solid Lab File ID: X3206.D

Analysis Method: 8270D Date Collected: 12/14/2012 09:00

Extract. Method: 3546 Date Extracted: 12/19/2012 09:30

Sample wt/vol: 000030.3(g) Date Analyzed: 12/20/2012 16:58

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

Injection Volume: 1(uL) Level: (low/med) Low

% Moisture: 33.8 GPC Cleanup:(Y/N) N

Analysis Batch No.: 96803 Units: ug/Kg

Number TICs Found: 7 TIC Result Total: 6322

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	4.20	5900	T J
122-39-4	Diphenylamine	12.11	110	
	Unknown	15.05	100	T J
	Unknown	16.22	110	T J
	Unknown	16.52	44	T J
593-45-3	Octadecane	16.69	25	T J N
21129-9-9	1,2-Tetradecanediol	16.80	33	T J N

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3206.D		
Lims ID:	480-30346-B-4-A	Client ID:	OC-SB-519-0.0/1.0-XXX
Inject. Date:	20-Dec-2012 16:58:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-0017736-016		
Misc. Info.:			
Operator:	ANM	Instrument ID:	HP5973X
Injection Vol:	1.0 ul	ALS Bottle#:	18
Lims Batch ID:	96803	Lims Sample ID:	16
Detector:	MS SCAN		

Method:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X-8270LL.m		
Last Update:	09-Mar-2013 10:14:49	Calib Date:	18-Dec-2012 14:44:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3139.D		
Limit Group:	MB - 8270RCP_MCP ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm
Process Host:	XAWRK034		

First Level Reviewer: mckernar Date: 20-Dec-2012 17:39:25

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.556	6.570	-0.014	83	199732	5.00	
* 2 Naphthalene-d8	136	8.453	8.439	0.014	96	733762	5.00	
* 3 Acenaphthene-d10	164	11.092	11.064	0.028	86	439761	5.00	
* 4 Phenanthrene-d10	188	13.104	13.080	0.024	96	542407	5.00	
* 5 Chrysene-d12	240	15.743	15.734	0.009	89	524759	5.00	
* 6 Perylene-d12	264	17.004	17.013	-0.009	39	944726	5.00	M
$ 7 2-Fluorophenol	112	4.677	4.682	-0.005	1	64272	1.42	
$ 8 Phenol-d5	99	6.085	6.090	-0.005	80	72856	1.32	
$ 9 Nitrobenzene-d5	82	7.397	7.393	0.004	84	82233	1.49	
$ 10 2-Fluorobiphenyl	172	10.098	10.075	0.023	90	166752	1.51	
$ 11 2,4,6-Tribromophenol	330	12.258	12.229	0.029	23	16580	1.66	
$ 12 p-Terphenyl-d14	244	14.773	14.759	0.014	90	113592	1.12	
19 N-Nitrosodimethylamine	42		2.766					
21 Benzaldehyde	77	5.918	5.938	-0.020	84	121683	3.11	
23 Aniline	93	6.104	6.104	0.0	7	2969	0.0406	
22 Phenol	94		6.109					9
24 Bis(2-chloroethyl)ether	93		6.204					
25 2-Chlorophenol	128		6.270					19
26 1,3-Dichlorobenzene	146		6.484					9
27 1,4-Dichlorobenzene	146		6.594					
29 1,2-Dichlorobenzene	146		6.813					9
28 Benzyl alcohol	108		6.813					19
31 2-Methylphenol	108		6.993					
32 2,2'-oxybis[1-chloropropane]	45		6.998					9
33 Acetophenone	105	7.174	7.174	0.0	90	30373	0.4100	
35 DFTPP								
34 N-Nitrosodi-n-propylamine	70		7.183					
36 4-Methylphenol	108		7.231					9
37 Hexachloroethane	117		7.298					19
38 Nitrobenzene	77		7.421					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
40 Isophorone	82		7.778					
41 2-Nitrophenol	139		7.892					
43 2,4-Dimethylphenol	107		8.001					
45 Bis(2-chloroethoxy)methane	93		8.125					
44 Benzoic acid	105		8.177					
47 2,4-Dichlorophenol	162		8.277					
48 1,2,4-Trichlorobenzene	180		8.363					19
49 Naphthalene	128		8.472					
51 4-Chloroaniline	127		8.596					
52 Hexachlorobutadiene	225		8.662					
54 Caprolactam	113		9.129					
55 4-Chloro-3-methylphenol	107		9.385					1
56 2-Methylnaphthalene	142		9.509					
57 1-Methylnaphthalene	142	9.685	9.656	0.029	37	6713	0.0640	
58 Hexachlorocyclopentadiene	237		9.742					
59 1,2,4,5-Tetrachlorobenzene	216		9.761					
60 2,4,6-Trichlorophenol	196		9.970					19
61 2,4,5-Trichlorophenol	196		10.056					19
62 1,1'-Biphenyl	154	10.251	10.218	0.033	93	81427	0.6404	
63 2-Chloronaphthalene	162		10.265					
64 Phenyl ether	170	10.408	10.384	0.024	86	169612	2.45	
65 2-Nitroaniline	65		10.436					
67 Dimethyl phthalate	163		10.722					
68 2,6-Dinitrotoluene	165		10.807					
69 Acenaphthylene	152		10.850					
70 3-Nitroaniline	138	11.083	11.069	0.014	92	749	0.0292	
71 Acenaphthene	153		11.112					9
72 2,4-Dinitrophenol	184		11.240					19
73 Dibenzofuran	168	11.411	11.378	0.033	67	16270	0.1245	
74 2,4-Dinitrotoluene	165		11.416					14
75 4-Nitrophenol	109		11.454					
76 2,3,4,6-Tetrachlorophenol	232		11.597					19
78 Diethyl phthalate	149		11.777					
79 Fluorene	166	11.920	11.882	0.038	71	15895	0.1330	
80 4-Chlorophenyl phenyl ether	204		11.901					
81 4-Nitroaniline	138		11.982					
82 4,6-Dinitro-2-methylphenol	198		12.010					
83 N-Nitrosodiphenylamine	169	12.105	12.077	0.028	97	279404	2.22	
85 Azobenzene	77		12.120					
16 1,2-Diphenylhydrazine	77		12.120					
86 Benzophenone	105		12.144					
89 4-Bromophenyl phenyl ether	248		12.548					
91 Hexachlorobenzene	284		12.610					
93 Atrazine	200		12.800					
94 Pentachlorophenol	266		12.885					
97 Phenanthrene	178	13.133	13.109	0.024	90	233223	1.93	
98 Anthracene	178	13.133	13.171	-0.038	90	233223	1.89	
99 Carbazole	167	13.404	13.380	0.024	71	30773	0.2695	
102 Di-n-butyl phthalate	149		13.765					
104 Fluoranthene	202	14.402	14.388	0.014	96	532365	4.45	
106 Pyrene	202	14.626	14.607	0.019	97	489670	3.48	
108 Butyl benzyl phthalate	149		15.211					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
109 3,3'-Dichlorobenzidine	252		15.705					
110 Bis(2-ethylhexyl) phthalate	149	15.724	15.710	0.014	71	6261102	58.5	E
111 Benzo[a]anthracene	228	15.767	15.720	0.047	71	265495	2.35	
112 Chrysene	228	15.767	15.753	0.014	72	265259	2.07	
113 Di-n-octyl phthalate	149		16.248					
114 Benzo[b]fluoranthene	252		16.657					2
115 Benzo[k]fluoranthene	252		16.680					2
116 Benzo[a]pyrene	252	16.927	16.961	-0.034	71	128473	0.6056	
117 Indeno[1,2,3-cd]pyrene	276	18.135	18.107	0.028	82	62732	0.2771	
118 Dibenz(a,h)anthracene	278		18.107					
119 Benzo[g,h,i]perylene	276	18.445	18.421	0.024	77	56862	0.3010	
S 120 3 & 4 Methylphenol	108		0.000					

QC Flag Legend

Processing Flags
1 - Missing Peaks
2 - Failed Coelution Test
4 - Failed Signal Ratio Test
E - Exceeded Maximum Amount
9 - Failed A Reference Spectral Test

Review Flags
M - Manually Integrated

TestAmerica Buffalo
Tentatively Identified Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3206.D		
Lims ID:	480-30346-B-4-A	Client ID:	OC-SB-519-0.0/1.0-XXX
Inject. Date:	20-Dec-2012 16:58:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-0017736-016		
Misc. Info.:			
Operator:	ANM	Instrument ID:	HP5973X
Injection Vol:	1.0 ul	ALS Bottle#:	18
Lims Batch ID:	96803	Lims Sample ID:	16
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X-8270LL.m		
Last Update:	09-Mar-2013 10:14:49	Calib Date:	18-Dec-2012 14:44:30
Tic RT Window:	1.500 -0.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\Bufchrom\ChromData\Database\NIST98.L		
Min. Match:	85		
Process Host:	XAWRK034		

First Level Reviewer: mckernar Date: 20-Dec-2012 17:39:25

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ng/uL	Flags
Pyridine	2.832	204	0.005506	
1,4-Dinitrobenzene	10.698	299		
Diphenylamine	12.105	279404	2.21	
Benzidine	14.569	3222	0.0556	

Tentative Identified Compound Results

RT	Response	Amount ng/uL	Quant Cpnd	Qual	Lib Entry	Flags
		Unknown				
4.197	33175016	119.1	1			
		Unknown				
15.054	16084902	2.00	5			
		Unknown				
16.219	17215239	2.14	5			
		Unknown				
16.523	10497141	0.8848	6			
593-45-3		Octadecane				
16.685	6040633	0.5092	6	94	112330	
21129-9-9		1,2-Tetradecanediol				
16.804	7785483	0.6563	6	86	22820	

Quantitation Compounds

Compound	RT	Response	Amount ng/uL

Report Date: 09-Mar-2013 10:14:49 Chrom Revision: 2.0 01-Feb-2013 10:03:10
Data File: \\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3206.D

Compound	RT	Response	Amount ng/uL
* 1 1,4-Dichlorobenzene-d4	6.551	1392296	5.00
* 5 Chrysene-d12	15.724	40139188	5.00
* 6 Perylene-d12	17.004	59316255	5.00

QC Flag Legend

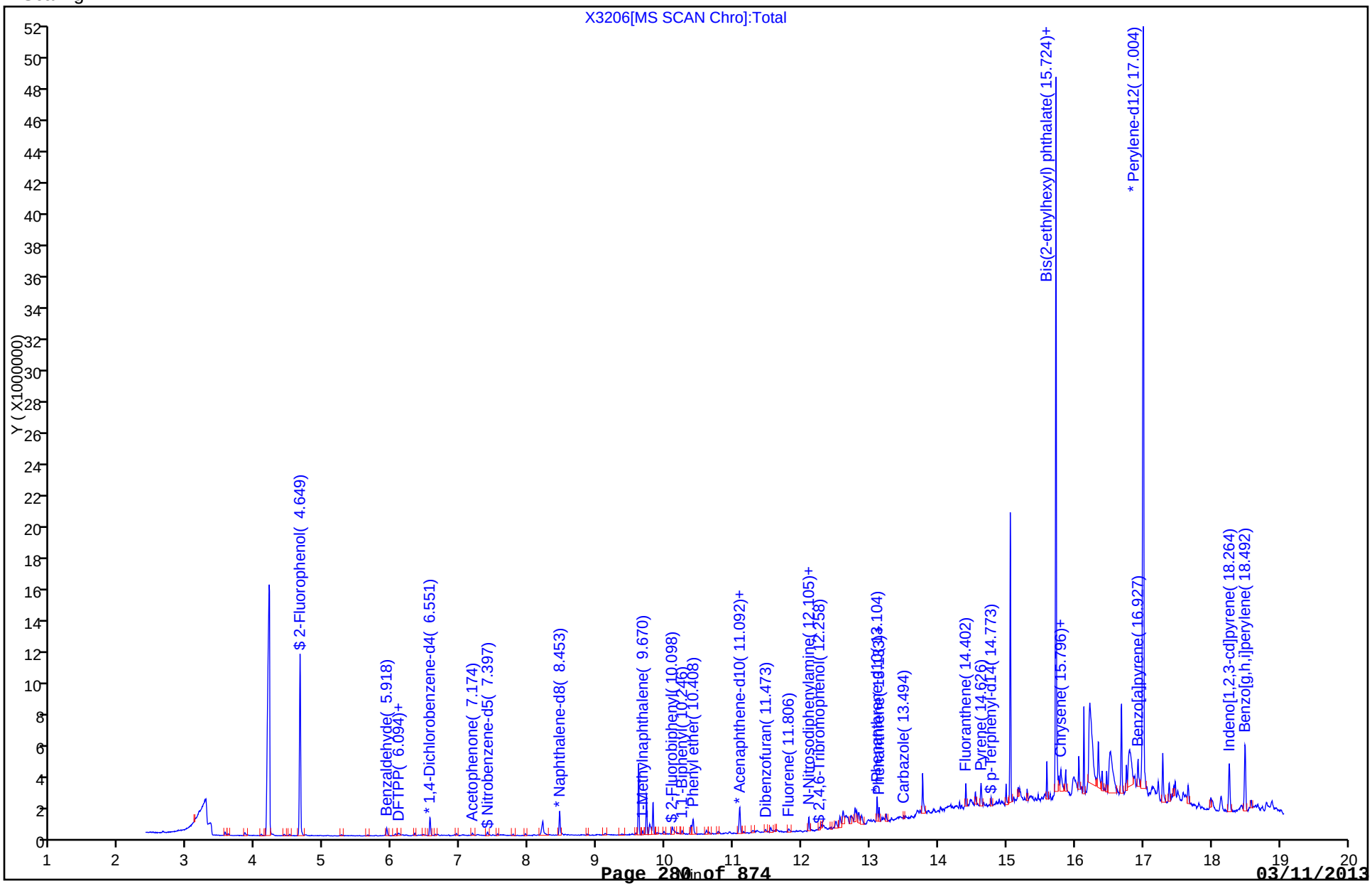
Processing Flags

Report Date: 09-Mar-2013 10:14:49 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3206.D		
Injection Date:	20-Dec-2012 16:58:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-519-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	16
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:

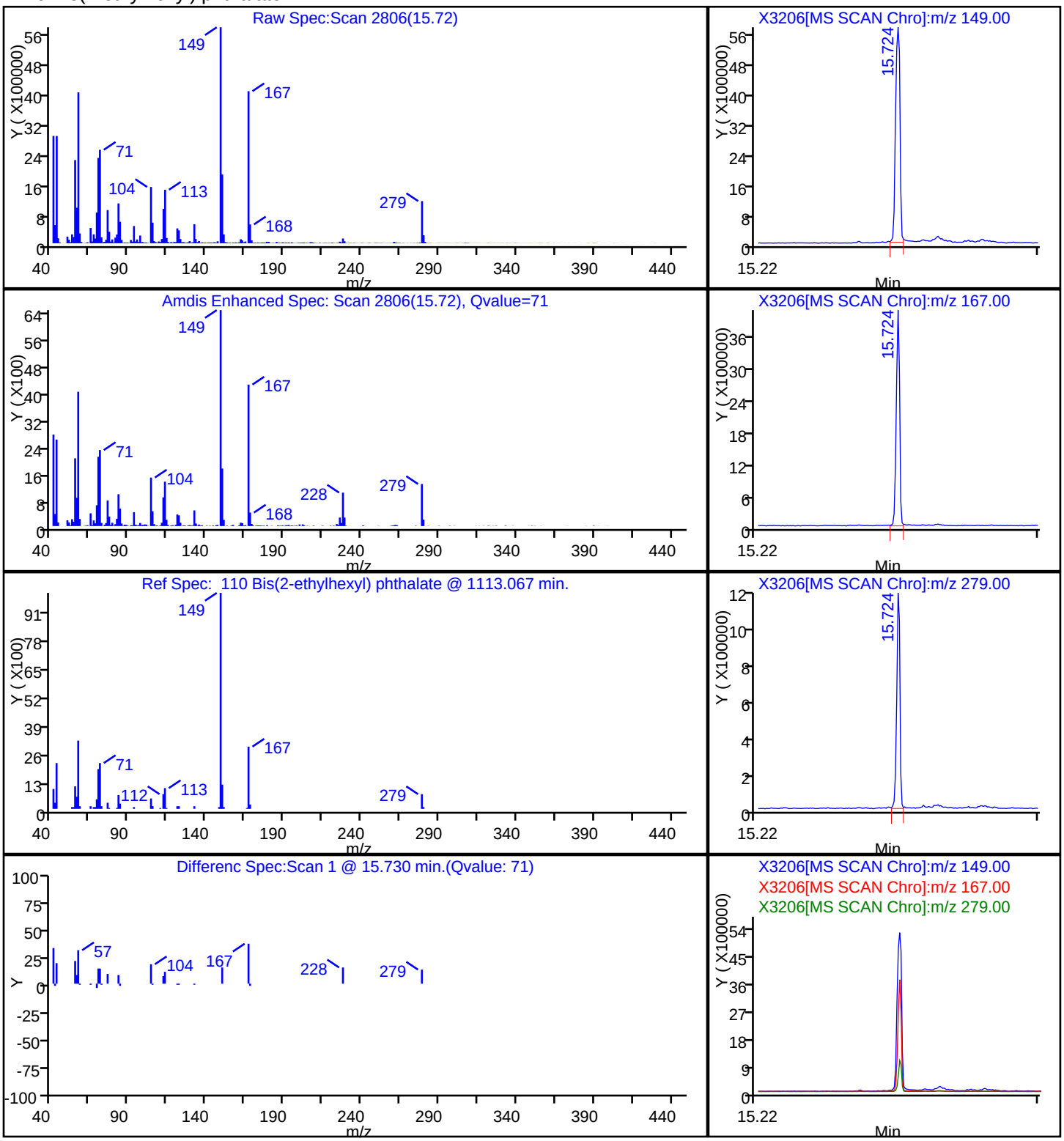


Report Date: 09-Mar-2013 10:14:51 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3206.D		
Injection Date:	20-Dec-2012 16:58:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-519-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	16
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

110 Bis(2-ethylhexyl) phthalate

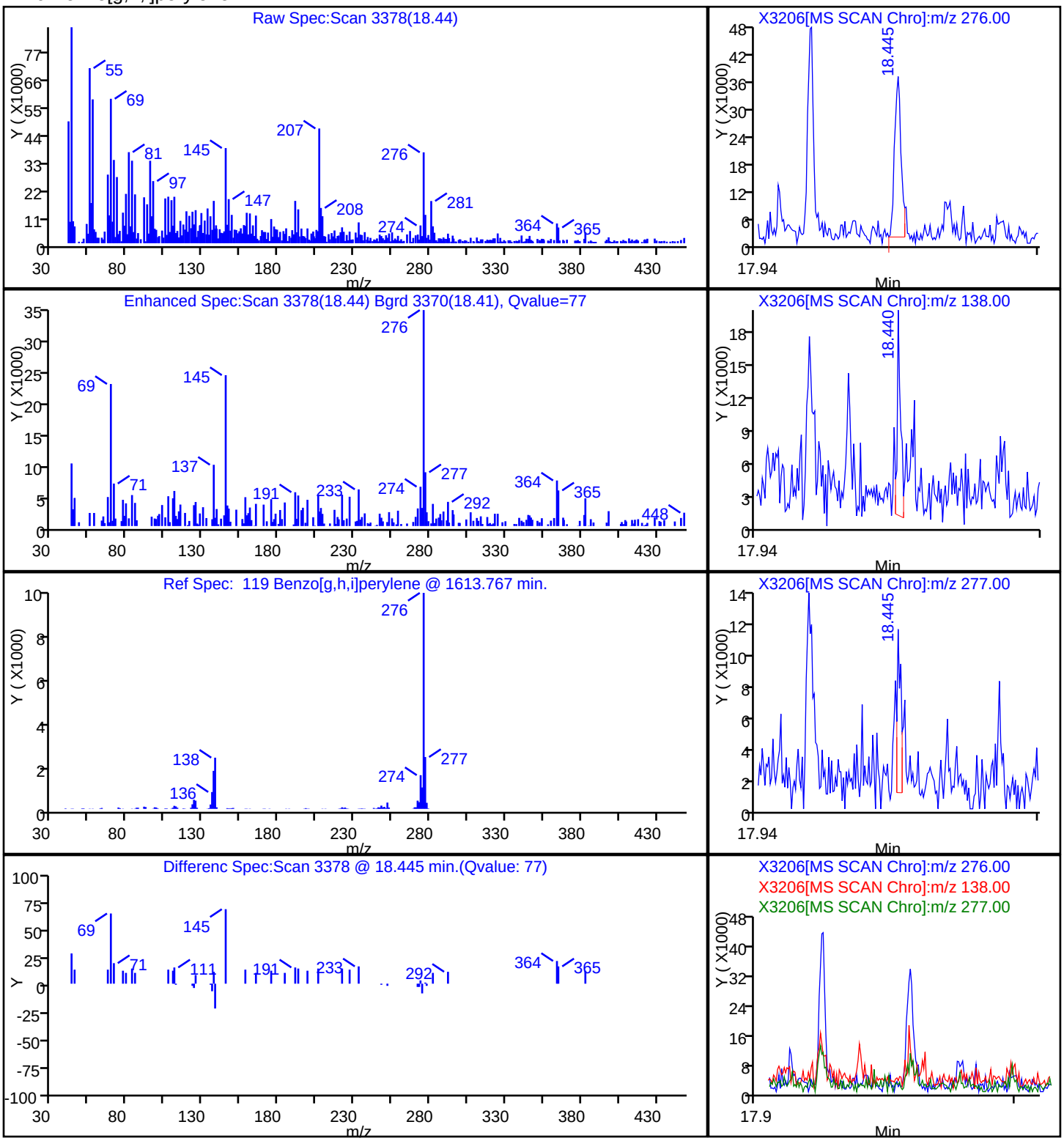


Report Date: 09-Mar-2013 10:14:52 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3206.D		
Injection Date:	20-Dec-2012 16:58:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-519-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	16
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

119 Benzo[g,h,i]perylene

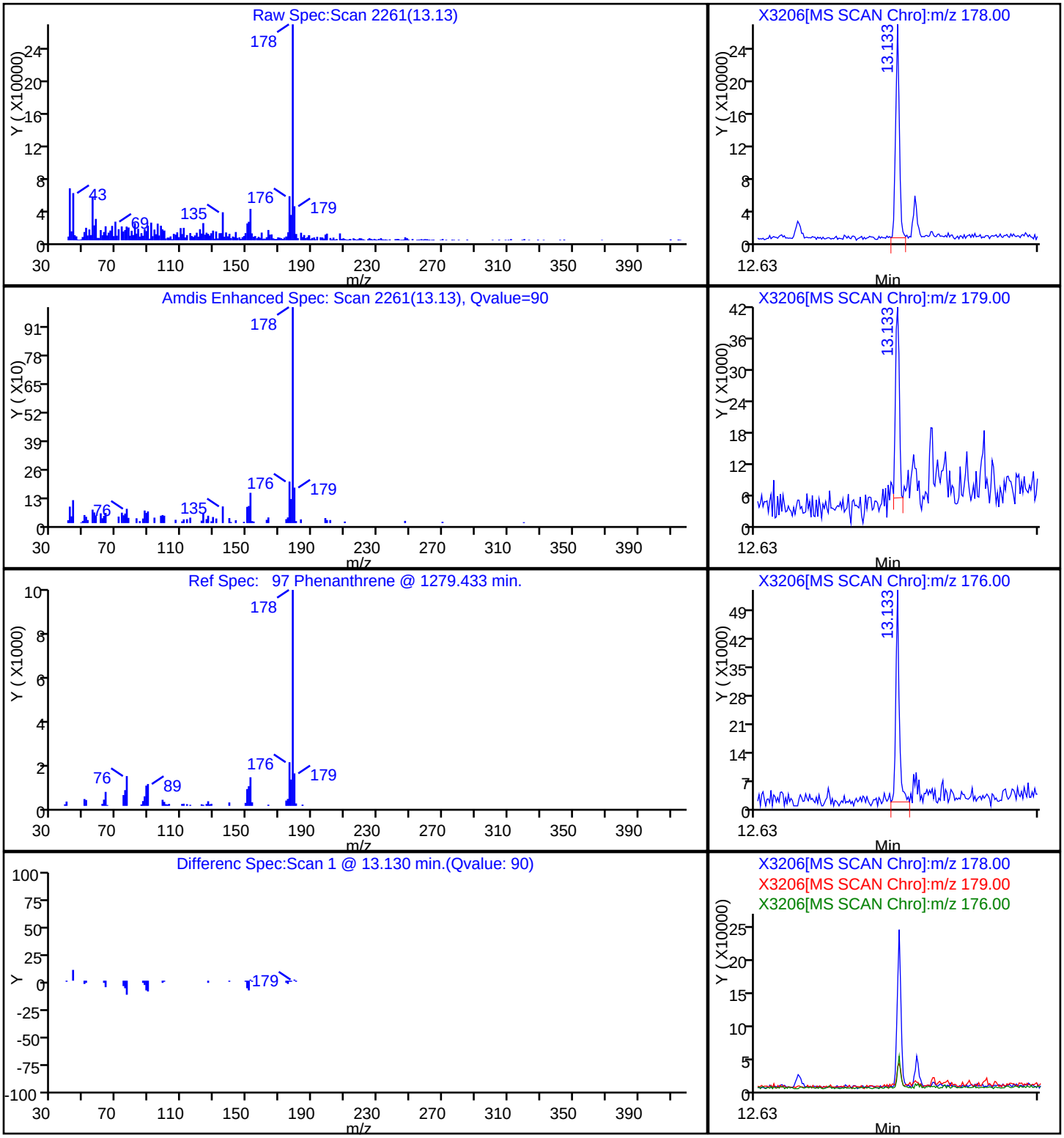


Report Date: 09-Mar-2013 10:14:50 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3206.D		
Injection Date:	20-Dec-2012 16:58:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-519-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	16
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

97 Phenanthrene

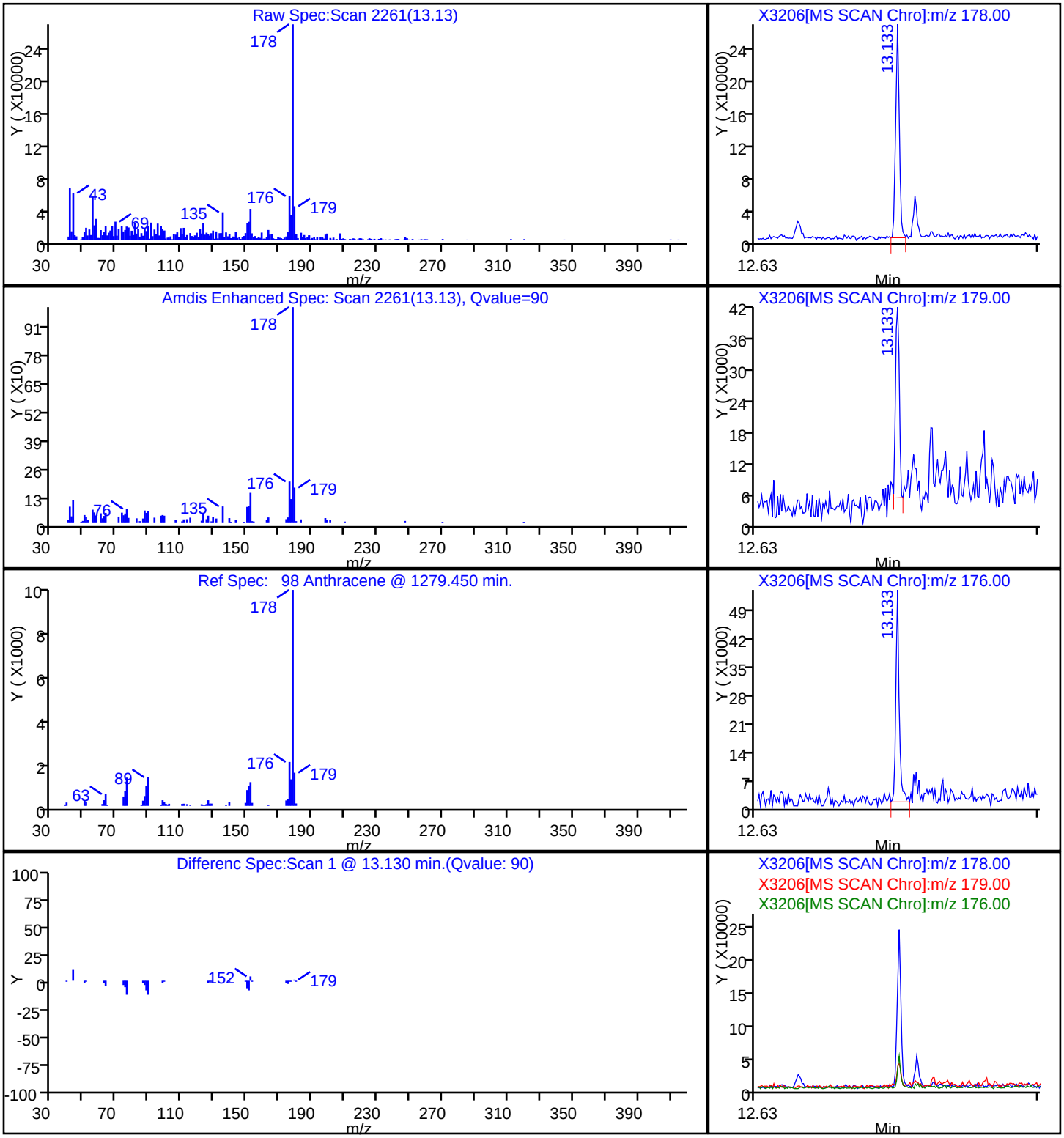


Report Date: 09-Mar-2013 10:14:50 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3206.D		
Injection Date:	20-Dec-2012 16:58:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-519-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	16
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

98 Anthracene

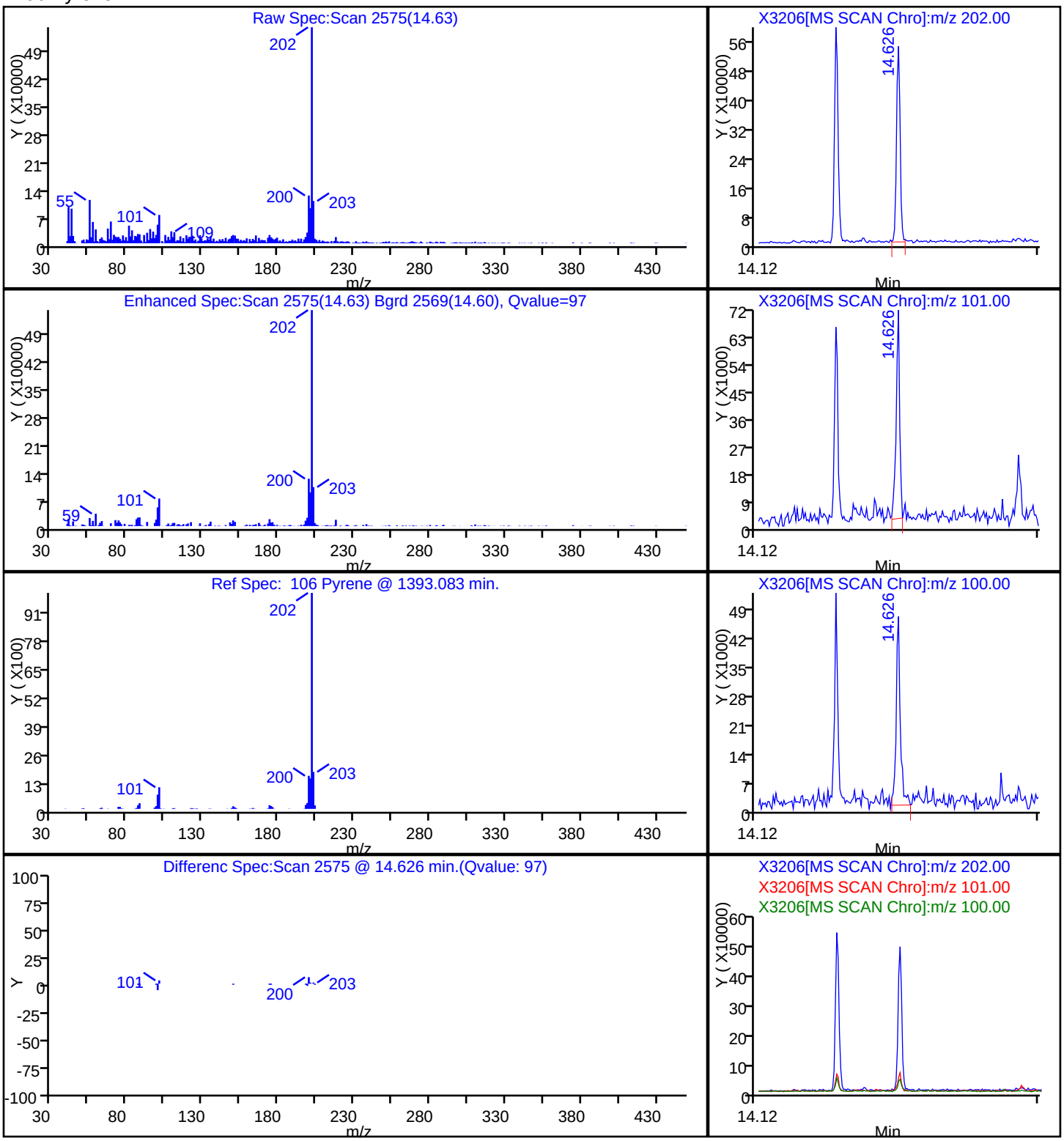


Report Date: 09-Mar-2013 10:14:51 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3206.D		
Injection Date:	20-Dec-2012 16:58:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-519-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	16
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

106 Pyrene

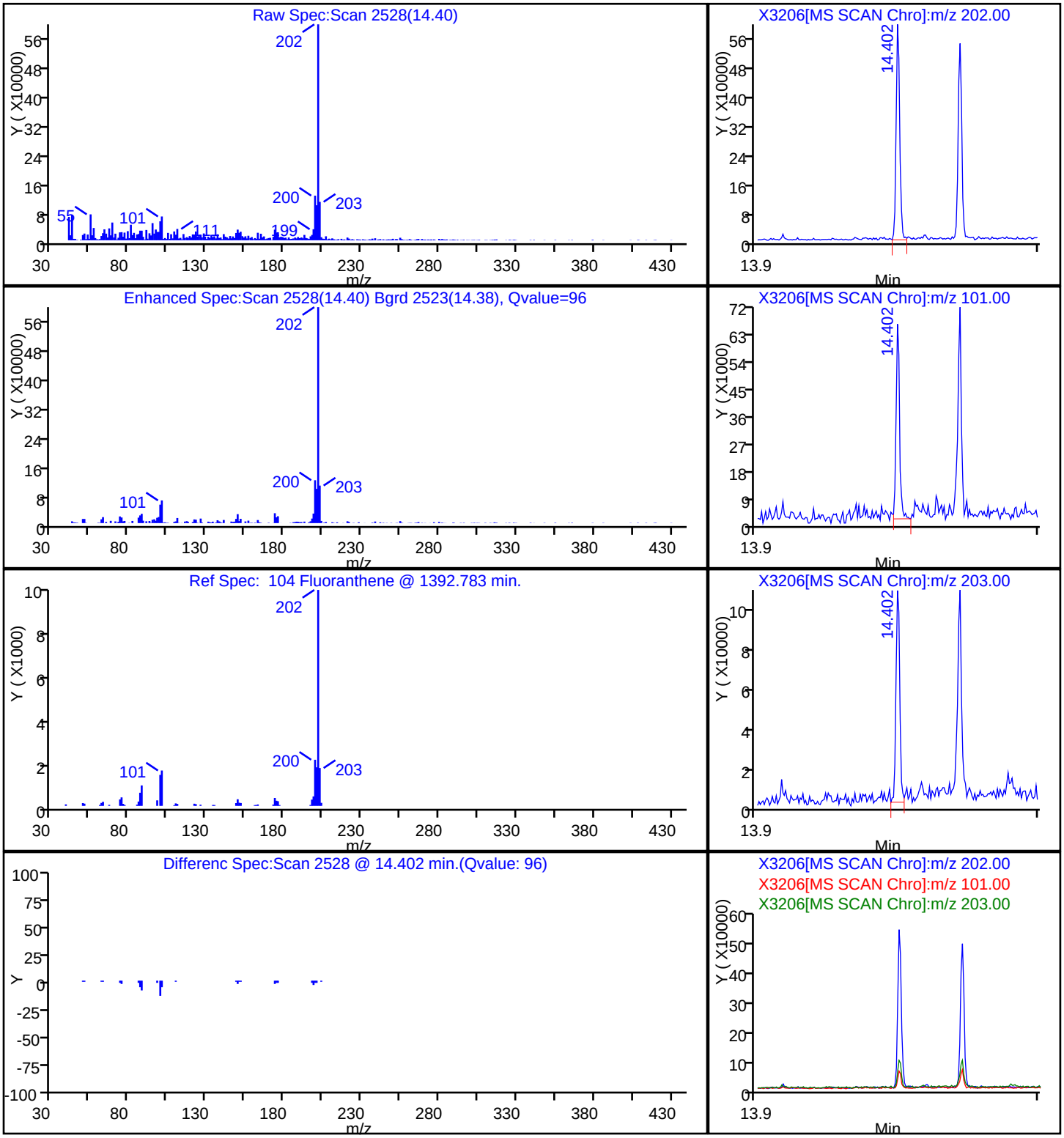


Report Date: 09-Mar-2013 10:14:51 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3206.D		
Injection Date:	20-Dec-2012 16:58:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-519-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	16
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

104 Fluoranthene

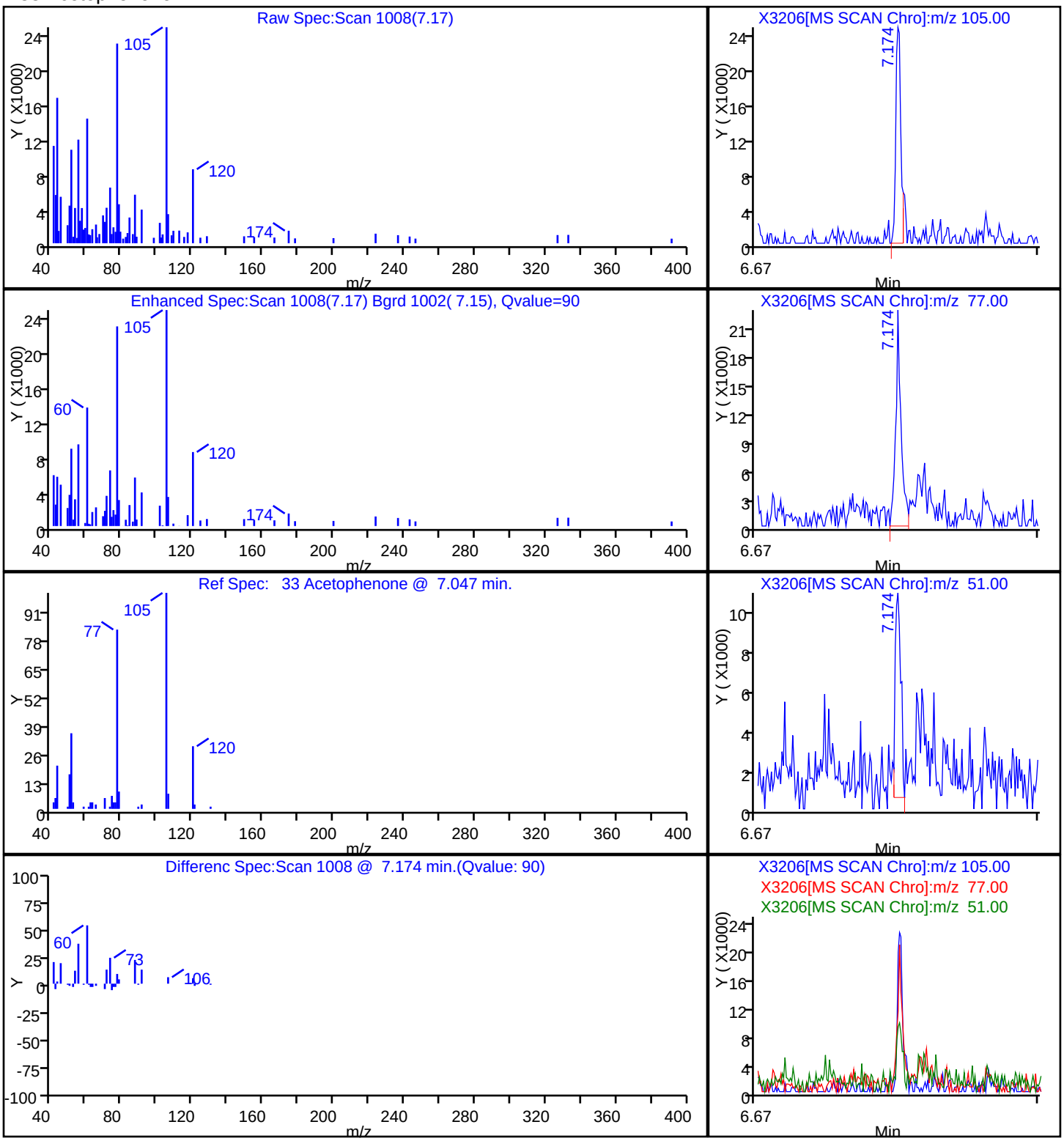


Report Date: 09-Mar-2013 10:14:50 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3206.D		
Injection Date:	20-Dec-2012 16:58:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-519-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	16
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

33 Acetophenone

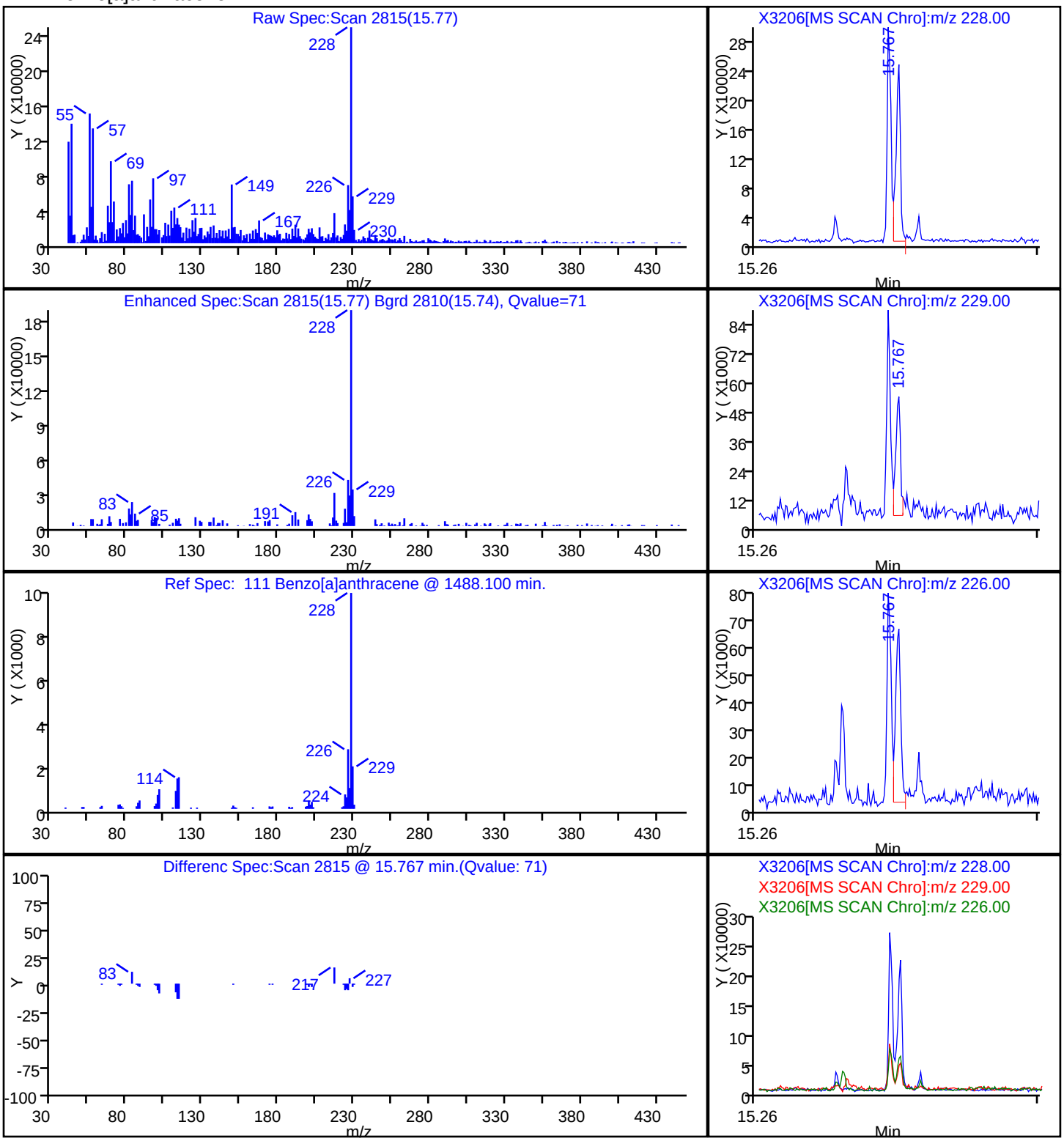


Report Date: 09-Mar-2013 10:14:51 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3206.D		
Injection Date:	20-Dec-2012 16:58:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-519-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	16
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

111 Benzo[a]anthracene

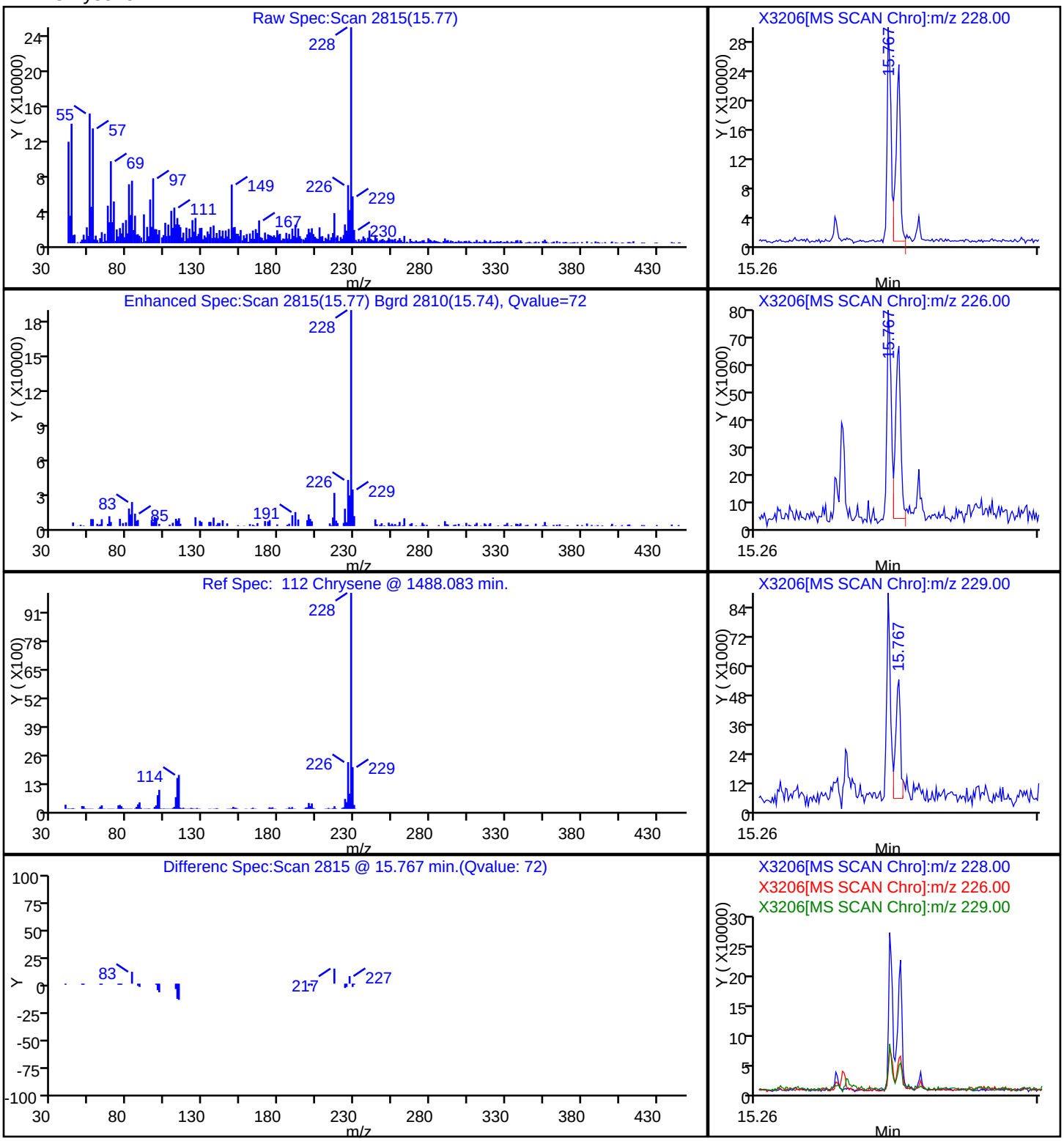


Report Date: 09-Mar-2013 10:14:52 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3206.D		
Injection Date:	20-Dec-2012 16:58:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-519-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	16
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

112 Chrysene

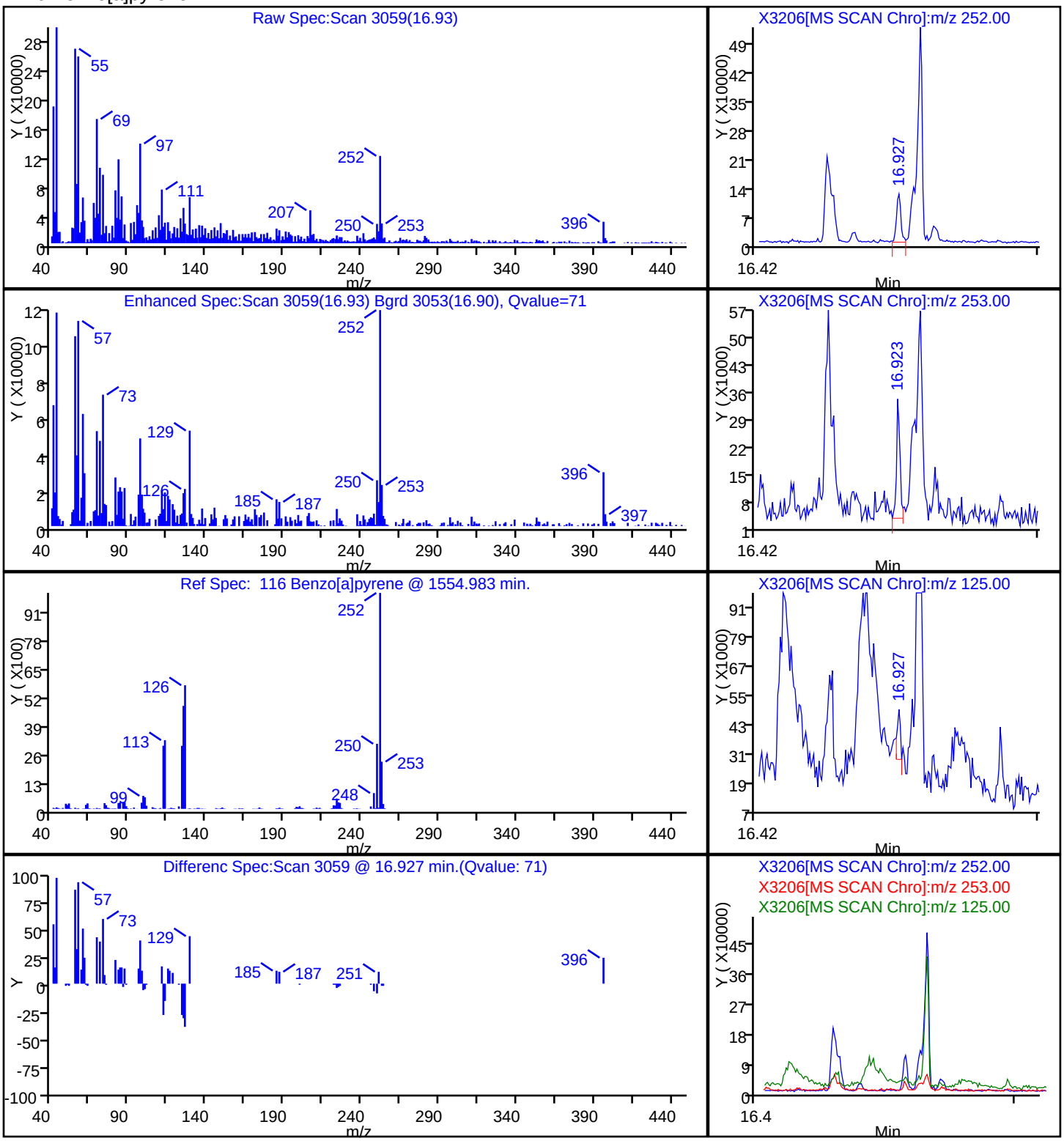


Report Date: 09-Mar-2013 10:14:52 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3206.D		
Injection Date:	20-Dec-2012 16:58:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-519-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	16
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

116 Benzo[a]pyrene

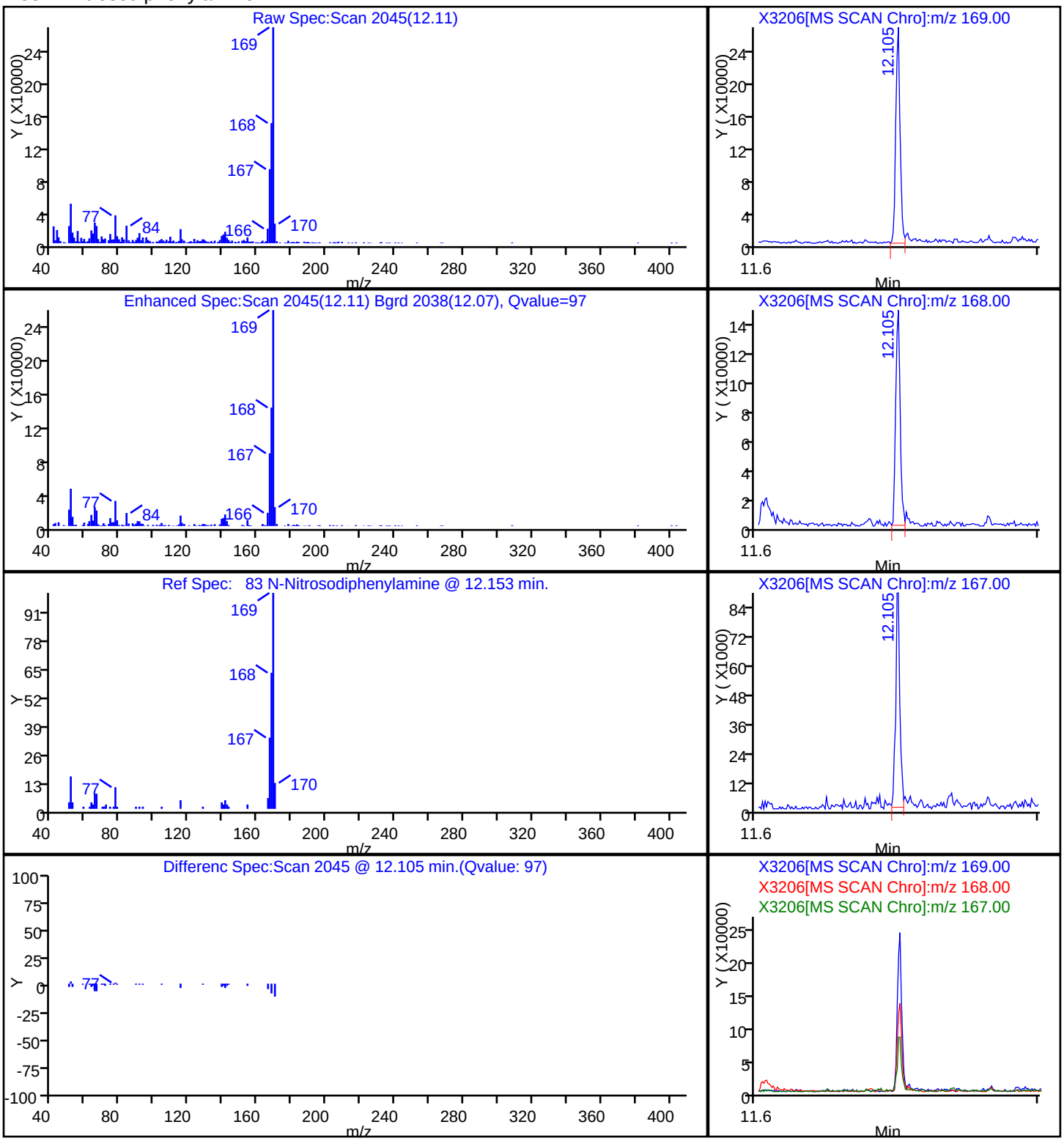


Report Date: 09-Mar-2013 10:14:50 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3206.D		
Injection Date:	20-Dec-2012 16:58:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-519-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	16
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

83 N-Nitrosodiphenylamine

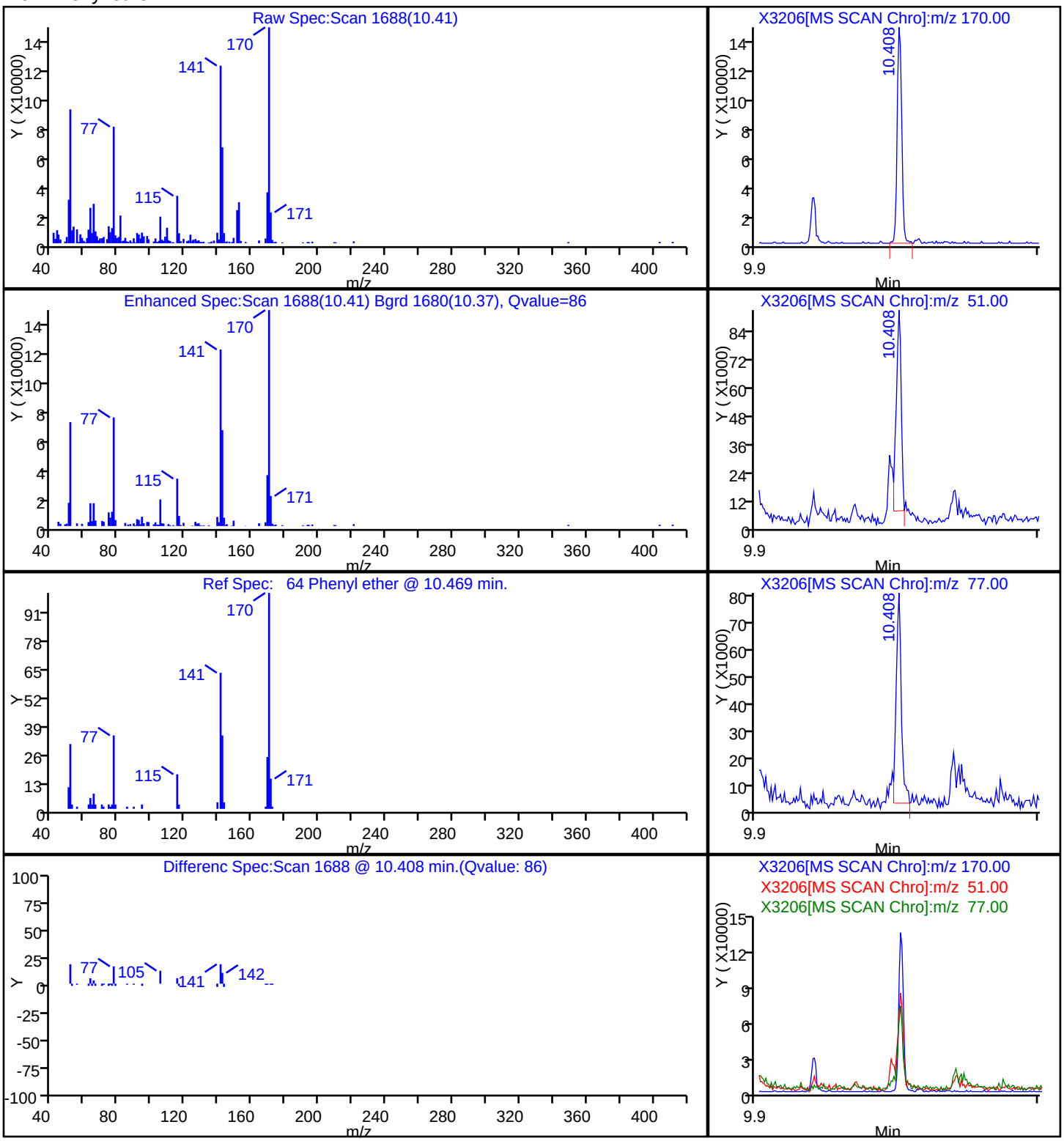


Report Date: 09-Mar-2013 10:14:50 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3206.D		
Injection Date:	20-Dec-2012 16:58:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-519-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	16
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

64 Phenyl ether

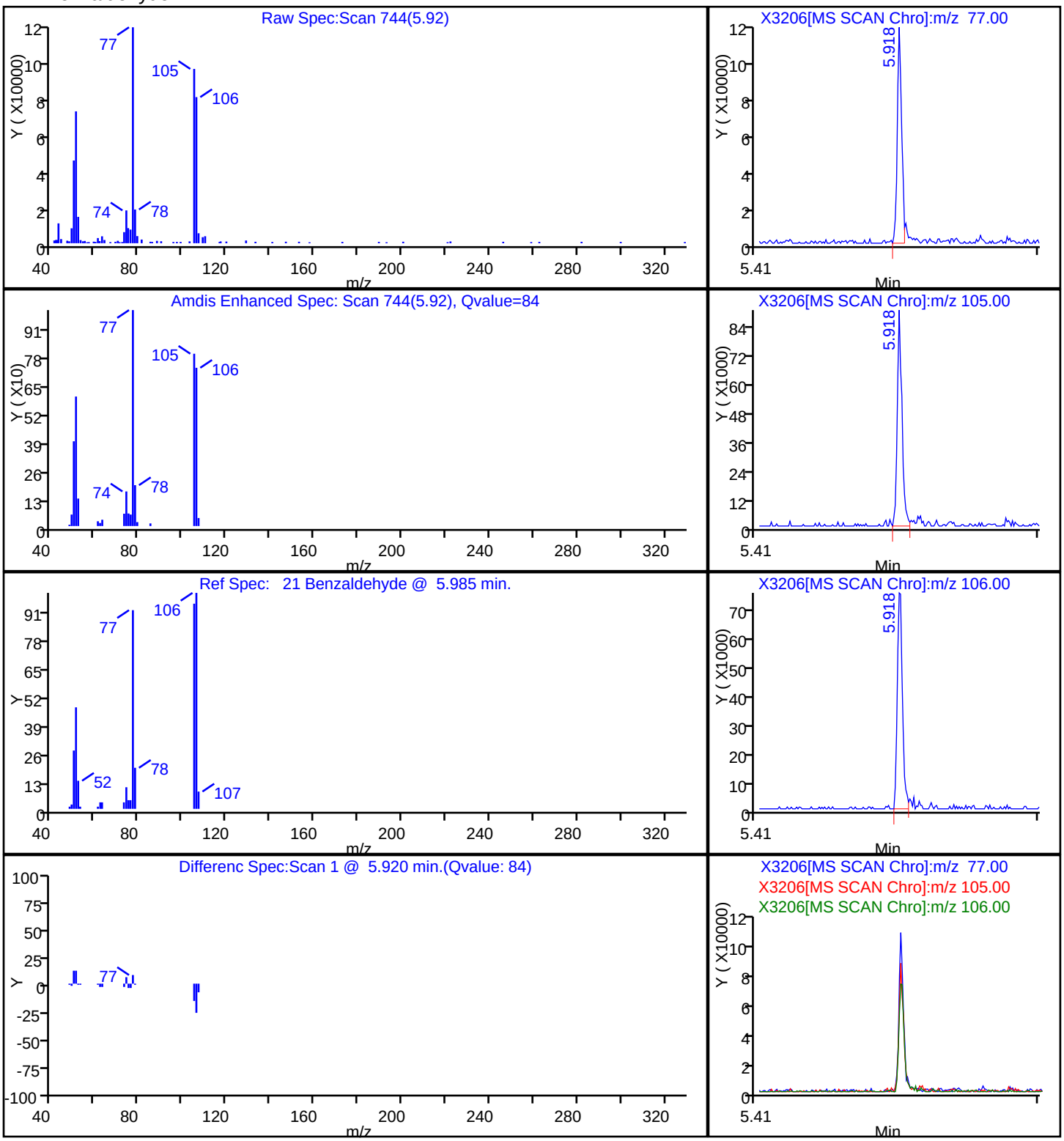


Report Date: 09-Mar-2013 10:14:49 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3206.D		
Injection Date:	20-Dec-2012 16:58:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-519-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	16
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

21 Benzaldehyde

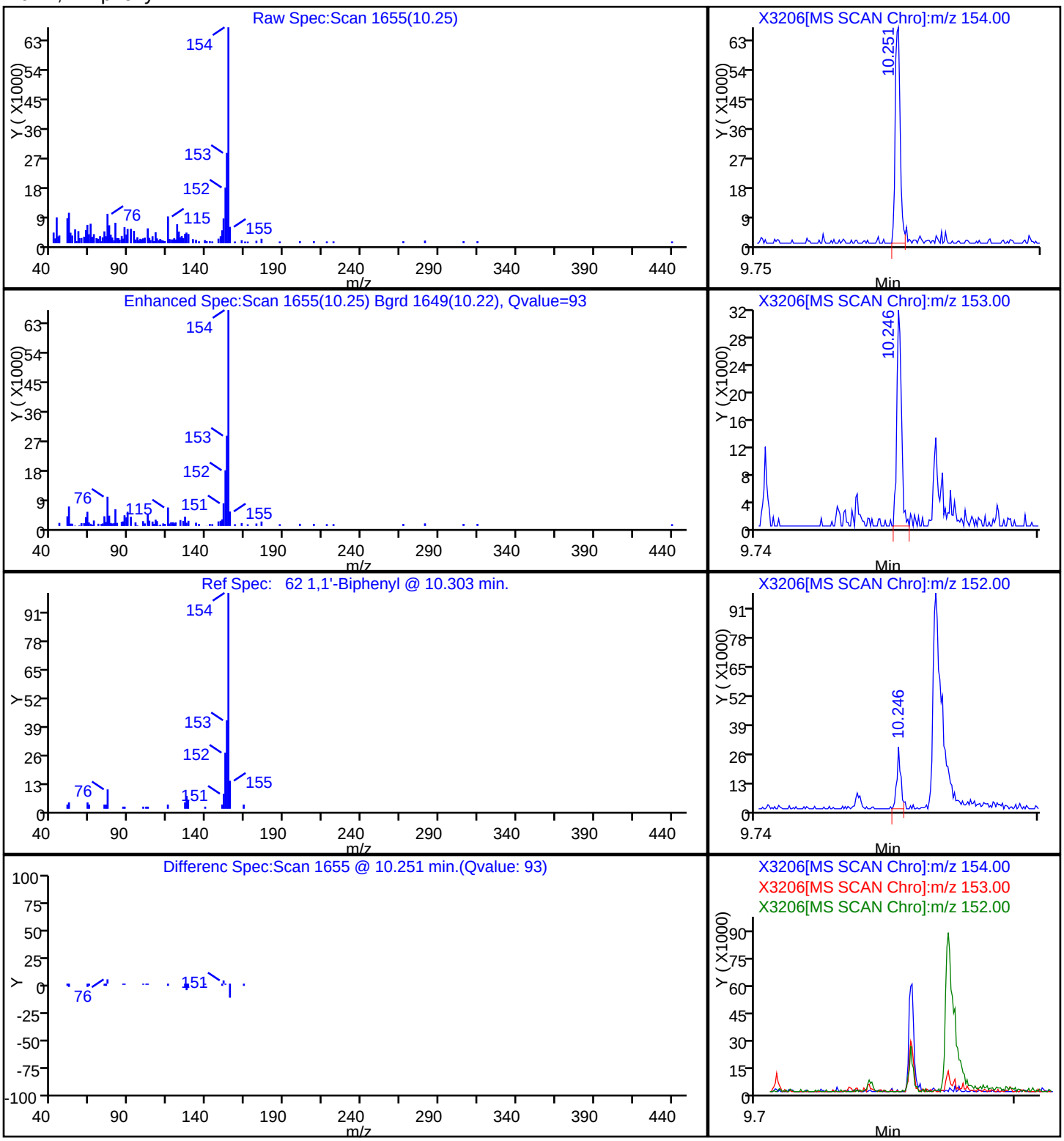


Report Date: 09-Mar-2013 10:14:50 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3206.D		
Injection Date:	20-Dec-2012 16:58:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-519-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	16
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

62 1,1'-Biphenyl

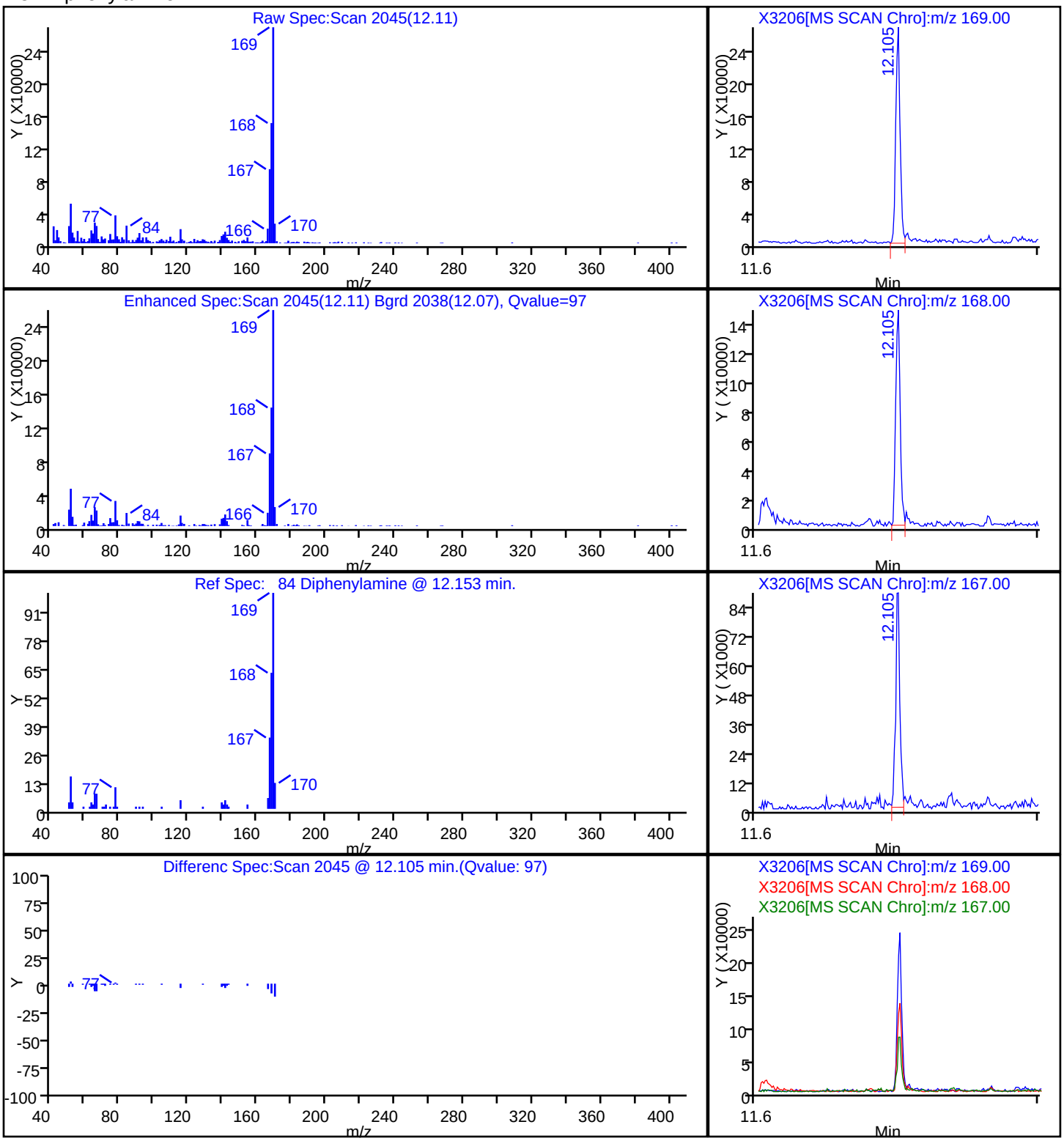


Report Date: 09-Mar-2013 10:14:52 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3206.D		
Injection Date:	20-Dec-2012 16:58:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-519-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	16
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

84 Diphenylamine

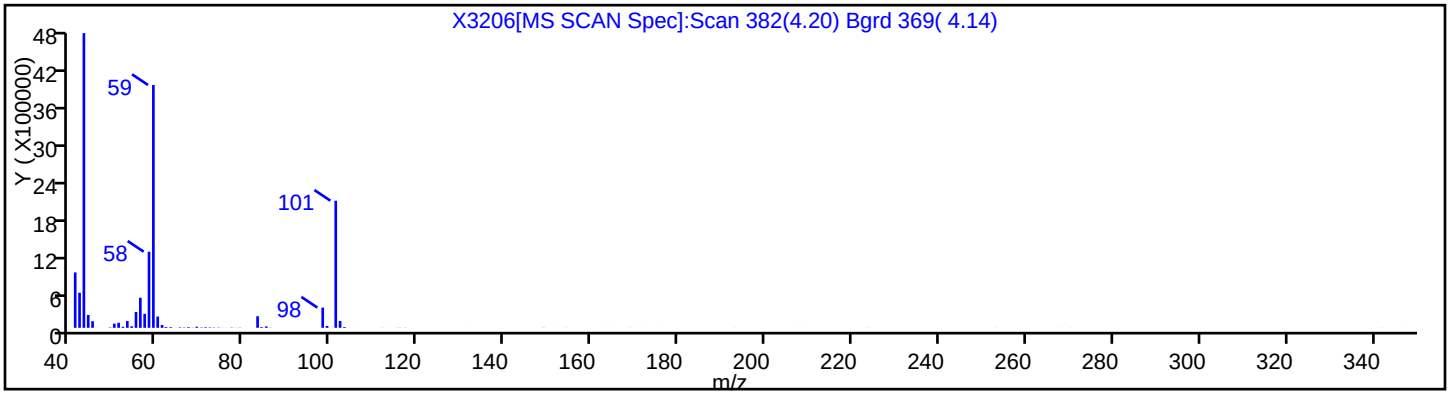


Report Date: 09-Mar-2013 10:14:53 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3206.D		
Injection Date:	20-Dec-2012 16:58:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-519-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	16
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85

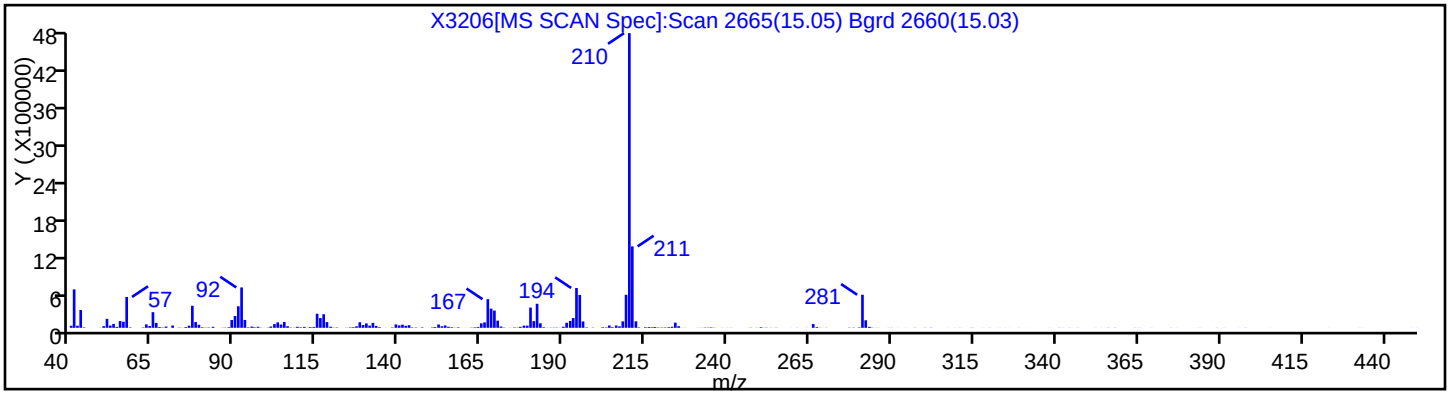


Report Date: 09-Mar-2013 10:14:53 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3206.D		
Injection Date:	20-Dec-2012 16:58:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-519-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	16
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85

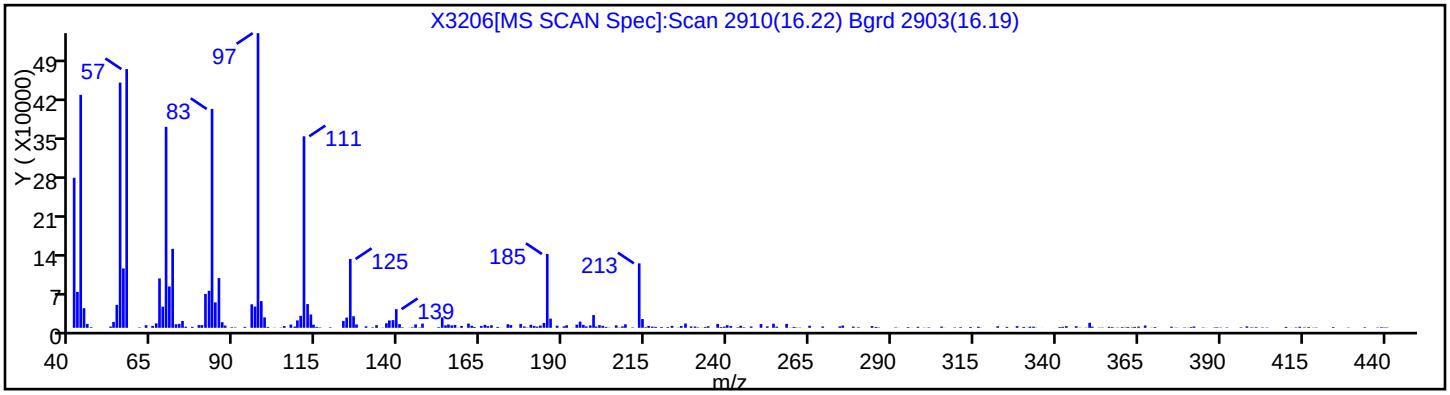


Report Date: 09-Mar-2013 10:14:53 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3206.D		
Injection Date:	20-Dec-2012 16:58:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-519-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	16
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85

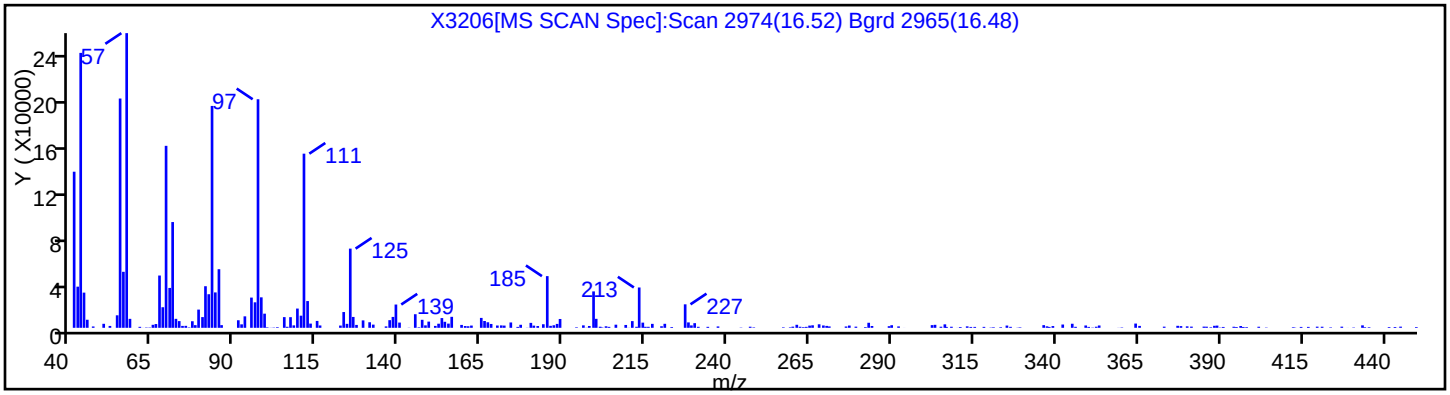


Report Date: 09-Mar-2013 10:14:53 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3206.D		
Injection Date:	20-Dec-2012 16:58:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-519-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	16
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85

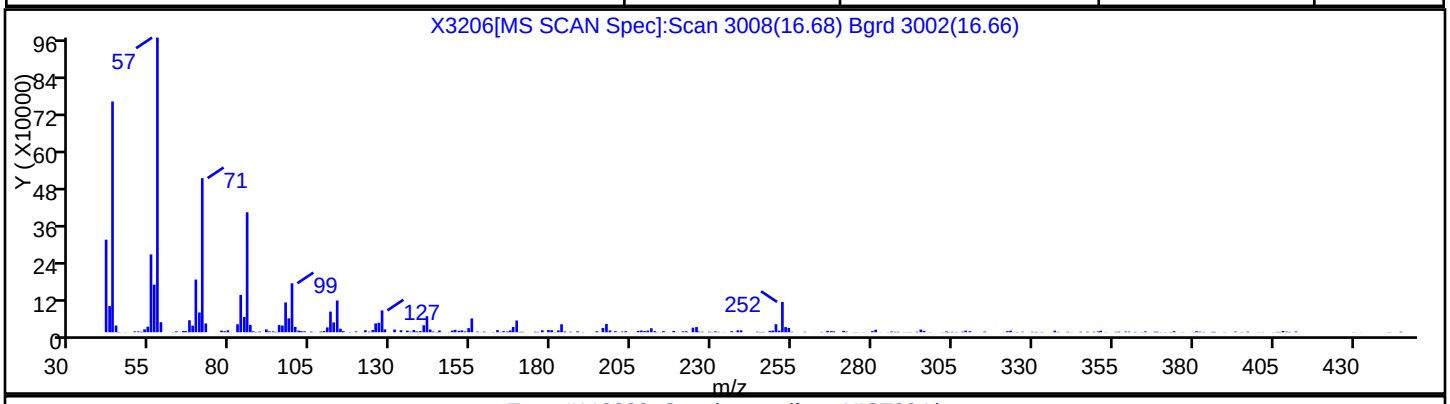


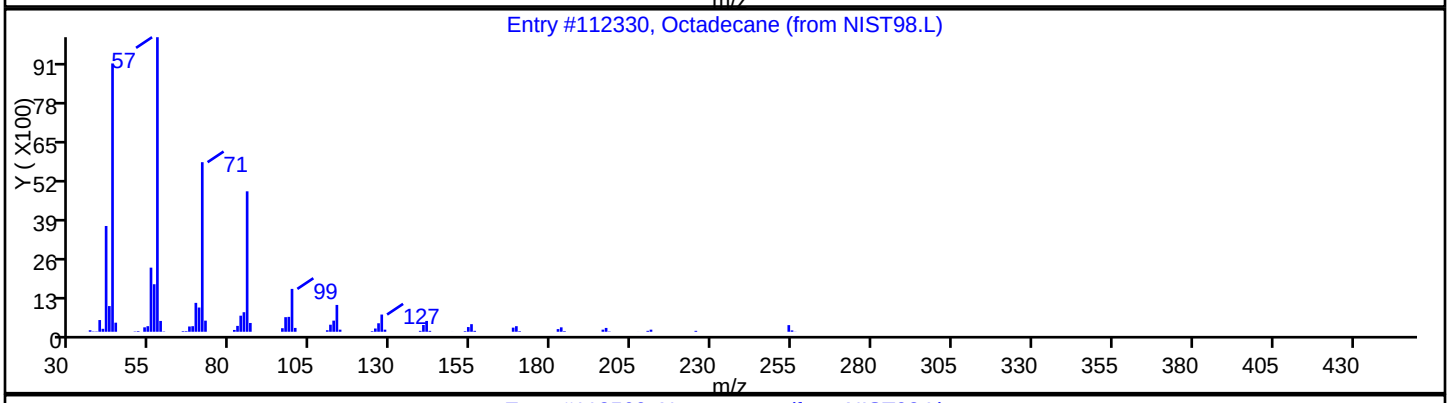
Report Date: 09-Mar-2013 10:14:53 Chrom Revision: 2.0 01-Feb-2013 10:03:10

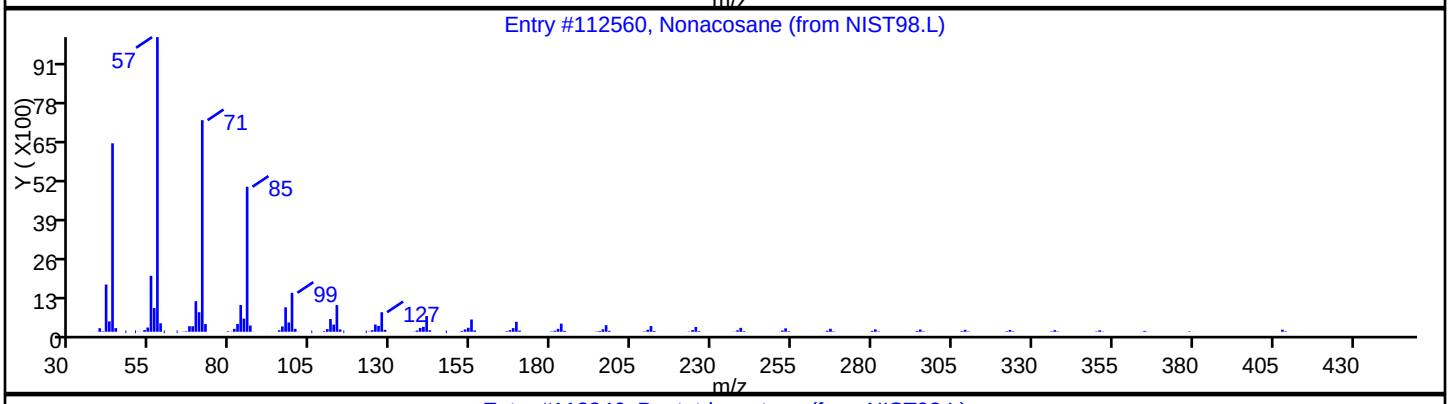
TestAmerica Buffalo

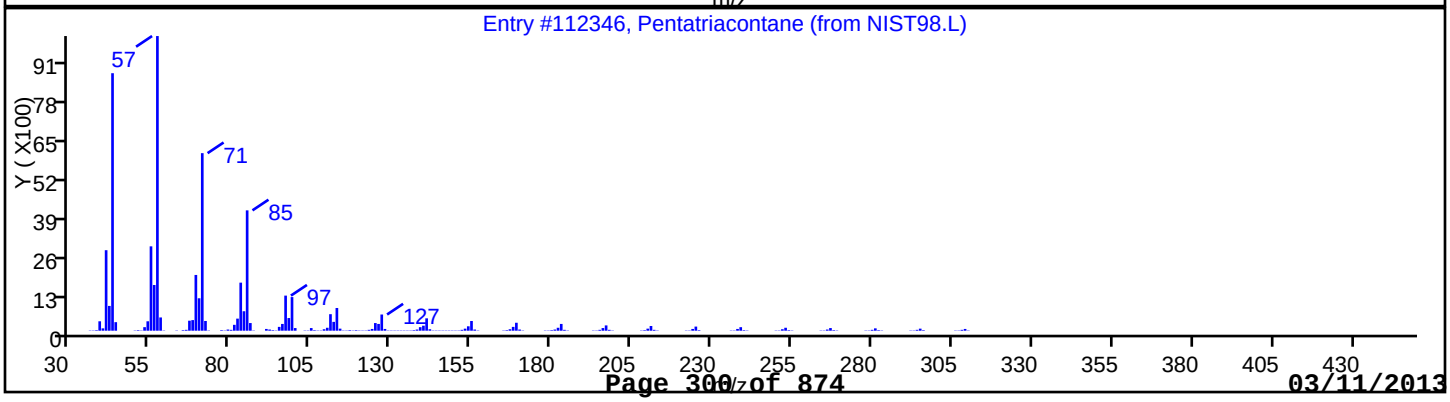
Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3206.D		
Injection Date:	20-Dec-2012 16:58:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-519-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	16
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Octadecane	593-45-3	NIST98.L	112330	94
Nonacosane	630-3-5	NIST98.L	112560	93
Pentatriacontane	630-7-9	NIST98.L	112346	91







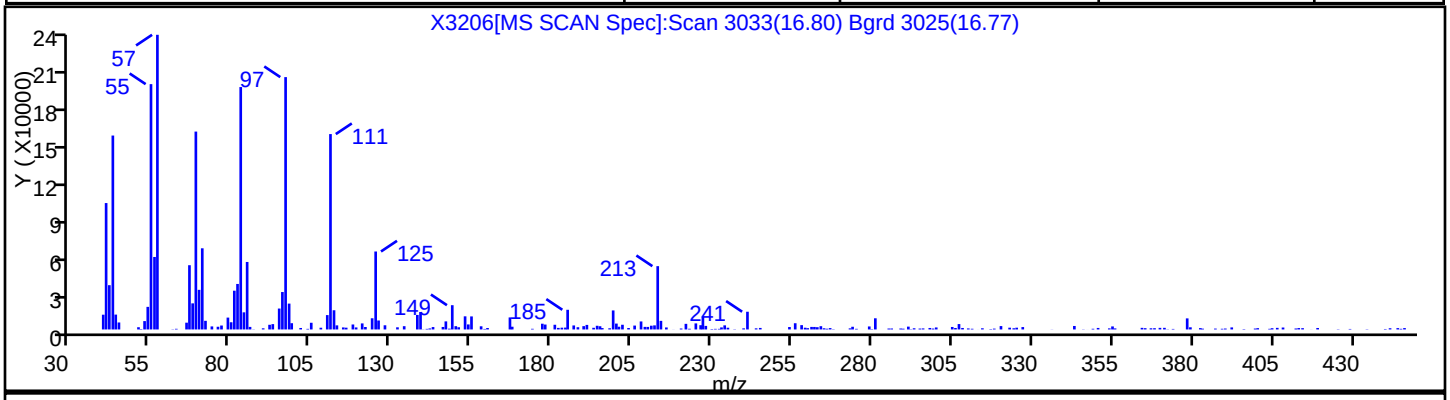


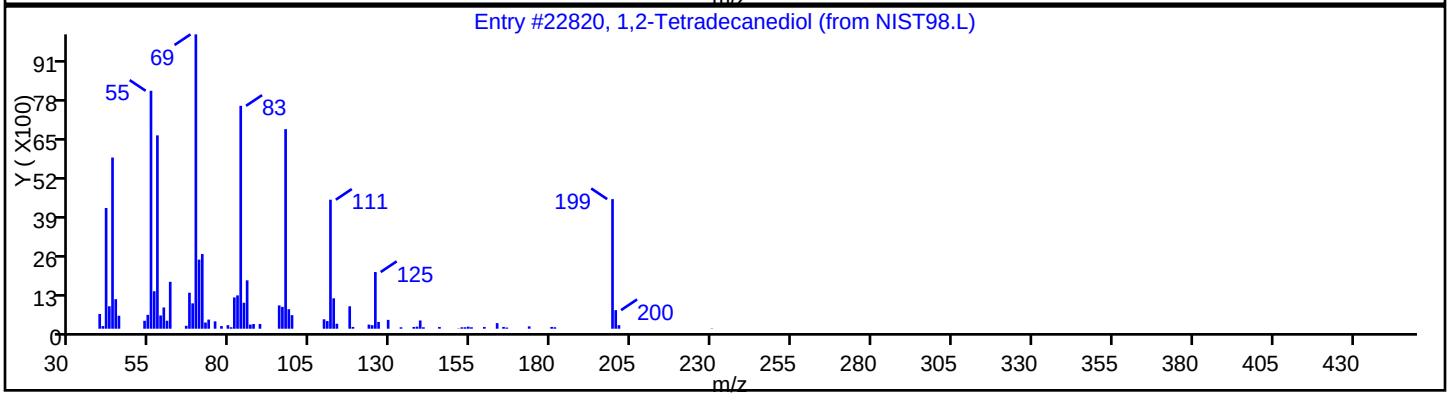
Report Date: 09-Mar-2013 10:14:53 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3206.D		
Injection Date:	20-Dec-2012 16:58:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-519-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	16
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
1,2-Tetradecanediol	21129-9-9	NIST98.L	22820	86





FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30346-1

SDG No.:

Client Sample ID: OC-SB-519-0.0/1.0-XXX DL | Lab Sample ID: 480-30346-4 DL

Matrix: Solid | Lab File ID: X3224.D

Analysis Method: 8270D | Date Collected: 12/14/2012 09:00

Extract. Method: 3546 | Date Extracted: 12/19/2012 09:30

Sample wt/vol: 000030.3(g) | Date Analyzed: 12/21/2012 11:04

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 33.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 97046 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
117-81-7	Bis(2-ethylhexyl) phthalate	4900		2500	1000
95-95-4	2,4,5-Trichlorophenol	ND		500	160
62-53-3	Aniline	ND		500	150
67-72-1	Hexachloroethane	ND		500	150
131-11-3	Dimethyl phthalate	ND		500	150
105-67-9	2,4-Dimethylphenol	ND		500	150
78-59-1	Isophorone	ND		500	150
86-73-7	Fluorene	ND		500	150
132-64-9	Dibenzofuran	ND		500	150
208-96-8	Acenaphthylene	ND		500	150
120-83-2	2,4-Dichlorophenol	ND		500	150
191-24-2	Benzo[g,h,i]perylene	ND		500	150
118-74-1	Hexachlorobenzene	ND		500	150
117-84-0	Di-n-octyl phthalate	ND		500	150
87-68-3	Hexachlorobutadiene	ND		500	150
85-01-8	Phenanthrene	ND		500	150
88-75-5	2-Nitrophenol	ND		500	190
207-08-9	Benzo[k]fluoranthene	ND		500	250
51-28-5	2,4-Dinitrophenol	ND	*	500	400
120-12-7	Anthracene	ND		500	150
91-57-6	2-Methylnaphthalene	ND		500	150
84-74-2	Di-n-butyl phthalate	ND		2500	750
120-82-1	1,2,4-Trichlorobenzene	ND		500	150
129-00-0	Pyrene	210	J	500	150
121-14-2	2,4-Dinitrotoluene	ND		500	150
53-70-3	Dibenz(a,h)anthracene	ND		500	150
541-73-1	1,3-Dichlorobenzene	ND		500	150
98-95-3	Nitrobenzene	ND		500	150
91-20-3	Naphthalene	ND		500	150
88-06-2	2,4,6-Trichlorophenol	ND		500	210
87-86-5	Pentachlorophenol	ND		500	150
206-44-0	Fluoranthene	230	J	500	150
91-94-1	3,3'-Dichlorobenzidine	ND		1000	180
101-55-3	4-Bromophenyl phenyl ether	ND		500	150

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30346-1

SDG No.:

Client Sample ID: OC-SB-519-0.0/1.0-XXX DL | Lab Sample ID: 480-30346-4 DL

Matrix: Solid | Lab File ID: X3224.D

Analysis Method: 8270D | Date Collected: 12/14/2012 09:00

Extract. Method: 3546 | Date Extracted: 12/19/2012 09:30

Sample wt/vol: 000030.3(g) | Date Analyzed: 12/21/2012 11:04

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 33.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 97046 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
84-66-2	Diethyl phthalate	ND		500	160
95-48-7	2-Methylphenol	ND		500	150
95-50-1	1,2-Dichlorobenzene	ND		500	150
108-60-1	2,2'-oxybis[1-chloropropane]	ND		500	150
98-86-2	Acetophenone	ND		500	150
111-44-4	Bis(2-chloroethyl)ether	ND		500	150
56-55-3	Benzo[a]anthracene	ND		500	150
193-39-5	Indeno[1,2,3-cd]pyrene	ND		500	150
85-68-7	Butyl benzyl phthalate	ND		500	150
218-01-9	Chrysene	ND		500	150
83-32-9	Acenaphthene	ND		500	150
205-99-2	Benzo[b]fluoranthene	ND		500	150
100-02-7	4-Nitrophenol	ND	*	2500	210
106-47-8	4-Chloroaniline	ND		1000	450
95-57-8	2-Chlorophenol	ND		500	150
606-20-2	2,6-Dinitrotoluene	ND		500	420
108-95-2	Phenol	ND		500	150
15831-10-4	3 & 4 Methylphenol	ND		500	150
106-46-7	1,4-Dichlorobenzene	ND		500	150
111-91-1	Bis(2-chloroethoxy)methane	ND		500	150
91-58-7	2-Chloronaphthalene	ND		500	150
621-64-7	N-Nitrosodi-n-propylamine	ND		500	150
7005-72-3	4-Chlorophenyl phenyl ether	ND		500	150
59-50-7	4-Chloro-3-methylphenol	ND		1000	150
50-32-8	Benzo[a]pyrene	ND		500	150
106-44-5	4-Methylphenol	ND		500	150
100-01-6	4-Nitroaniline	ND		2500	420
88-74-4	2-Nitroaniline	ND		2500	630
105-60-2	Caprolactam	ND		500	150
86-74-8	Carbazole	ND		500	150
534-52-1	4,6-Dinitro-2-methylphenol	ND		2500	480
90-12-0	1-Methylnaphthalene	ND		500	150
86-30-6	N-Nitrosodiphenylamine	ND		500	150
1912-24-9	Atrazine	ND		500	150

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30346-1

SDG No.:

Client Sample ID: OC-SB-519-0.0/1.0-XXX DL | Lab Sample ID: 480-30346-4 DL

Matrix: Solid | Lab File ID: X3224.D

Analysis Method: 8270D | Date Collected: 12/14/2012 09:00

Extract. Method: 3546 | Date Extracted: 12/19/2012 09:30

Sample wt/vol: 000030.3(g) | Date Analyzed: 12/21/2012 11:04

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 33.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 97046 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
101-84-8	*Phenyl ether*	*ND*		*500*	*150*
100-52-7	*Benzaldehyde*	*ND*		*500*	*150*
103-33-3	*Azobenzene*	*ND*	*	*500*	*150*
77-47-4	*Hexachlorocyclopentadiene*	*ND*		*1000*	*150*
99-09-2	*3-Nitroaniline*	*ND*		*2500*	*150*
62-75-9	*N-Nitrosodimethylamine*	*ND*		*500*	*150*
100-51-6	*Benzyl alcohol*	*ND*		*1000*	*150*
92-52-4	*1,1'-Biphenyl*	*ND*		*500*	*150*
58-90-2	*2,3,4,6-Tetrachlorophenol*	*ND*		*500*	*150*
119-61-9	*Benzophenone*	*ND*		*500*	*150*
65-85-0	*Benzoic acid*	*ND*		*2500*	*220*
95-94-3	*1,2,4,5-Tetrachlorobenzene*	*ND*		*500*	*150*

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	0	X	30-130
367-12-4	2-Fluorophenol	0	X	30-130
4165-60-0	Nitrobenzene-d5	0	X	30-130
4165-62-2	Phenol-d5	0	X	30-130
321-60-8	2-Fluorobiphenyl	0	X	30-130
1718-51-0	p-Terphenyl-d14	0	X	30-130

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Buffalo | Job No.: 480-30346-1

SDG No.:

Client Sample ID: OC-SB-519-0.0/1.0-XXX DL | Lab Sample ID: 480-30346-4 DL

Matrix: Solid | Lab File ID: X3224.D

Analysis Method: 8270D | Date Collected: 12/14/2012 09:00

Extract. Method: 3546 | Date Extracted: 12/19/2012 09:30

Sample wt/vol: 000030.3(g) | Date Analyzed: 12/21/2012 11:04

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 33.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 97046 | Units: ug/Kg

Number TICs Found: 10 | TIC Result Total: 28820

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	4.17	6700	T J
108-38-3	Benzene, 1,3-dimethyl-	4.65	2500	T J N
	Unknown	9.61	620	T J
	Unknown	15.06	3200	T J
	Unknown	16.14	640	T J
54833-48-6	Heptadecane, 2,6,10,15-tetramethyl-	16.69	760	T J N
26603-23-6	p,p'-Dioctyldiphenylamine	17.00	11000	T J N
	Unknown	18.16	620	T J
	Unknown	18.27	880	T J
	Unknown	18.51	1900	T J

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973X\20121221-17772.b\X3224.D		
Lims ID:	480-30346-B-4-A	Client ID:	OC-SB-519-0.0/1.0-XXX
Inject. Date:	21-Dec-2012 11:04:30	Dil. Factor:	10.0000
Sample Type:	Client		
Sample ID:	480-0017772-004		
Misc. Info.:			
Operator:	ANM	Instrument ID:	HP5973X
Injection Vol:	1.0 ul	ALS Bottle#:	5
Lims Batch ID:	97046	Lims Sample ID:	4
Detector:	MS SCAN		

Method:	\\Bufchrom\ChromData\HP5973X\20121221-17772.b\X-8270LL.m		
Last Update:	09-Mar-2013 10:23:53	Calib Date:	18-Dec-2012 14:44:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3139.D		
Limit Group:	MB - 8270RCP_MCP ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm
Process Host:	XAWRK034		

First Level Reviewer: WilkesD Date: 09-Mar-2013 10:22:55

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.565	6.599	-0.034	83	147449	5.00	
* 2 Naphthalene-d8	136	8.463	8.491	-0.028	98	510615	5.00	
* 3 Acenaphthene-d10	164	11.116	11.107	0.009	87	297513	5.00	
* 4 Phenanthrene-d10	188	13.118	13.114	0.004	96	582343	5.00	
* 5 Chrysene-d12	240	15.758	15.767	-0.009	92	472431	5.00	
* 6 Perylene-d12	264	17.042	17.056	-0.014	90	494688	5.00	
$ 7 2-Fluorophenol	112		4.677					9
$ 8 Phenol-d5	99		6.109					9
$ 9 Nitrobenzene-d5	82		7.431					9
$ 10 2-Fluorobiphenyl	172		10.122					9
$ 11 2,4,6-Tribromophenol	330		12.262					9
$ 12 p-Terphenyl-d14	244		14.792					
19 N-Nitrosodimethylamine	42		2.785					14
21 Benzaldehyde	77	5.947	5.952	-0.005	57	4943	0.1710	
23 Aniline	93		6.118					19
22 Phenol	94		6.128					9
24 Bis(2-chloroethyl)ether	93		6.223					
25 2-Chlorophenol	128		6.289					
26 1,3-Dichlorobenzene	146		6.508					
27 1,4-Dichlorobenzene	146		6.622					
28 Benzyl alcohol	108		6.841					
29 1,2-Dichlorobenzene	146		6.841					
31 2-Methylphenol	108		7.027					9
32 2,2'-oxybis[1-chloropropane]	45		7.036					9
35 DFTPP								
33 Acetophenone	105		7.217					
34 N-Nitrosodi-n-propylamine	70		7.222					149
36 4-Methylphenol	108		7.274					9
37 Hexachloroethane	117		7.336					19
38 Nitrobenzene	77		7.464					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
40 Isophorone	82		7.826					
41 2-Nitrophenol	139		7.940					149
43 2,4-Dimethylphenol	107		8.054					9
45 Bis(2-chloroethoxy)methane	93		8.173					
44 Benzoic acid	105		8.235					14
47 2,4-Dichlorophenol	162		8.325					
48 1,2,4-Trichlorobenzene	180		8.410					19
49 Naphthalene	128		8.520					9
51 4-Chloroaniline	127		8.648					149
52 Hexachlorobutadiene	225		8.715					9
54 Caprolactam	113		9.186					
55 4-Chloro-3-methylphenol	107		9.438					
56 2-Methylnaphthalene	142		9.561					9
57 1-Methylnaphthalene	142		9.704					149
58 Hexachlorocyclopentadiene	237		9.794					
59 1,2,4,5-Tetrachlorobenzene	216		9.813					
60 2,4,6-Trichlorophenol	196		10.018					
61 2,4,5-Trichlorophenol	196		10.108					
62 1,1'-Biphenyl	154		10.265					
63 2-Chloronaphthalene	162		10.313					
64 Phenyl ether	170	10.446	10.427	0.019	42	4245	0.0907	
65 2-Nitroaniline	65		10.484					
67 Dimethyl phthalate	163		10.764					
68 2,6-Dinitrotoluene	165		10.850					149
69 Acenaphthylene	152		10.898					
70 3-Nitroaniline	138		11.116					14
71 Acenaphthene	153		11.154					
72 2,4-Dinitrophenol	184		11.288					19
73 Dibenzofuran	168		11.421					19
74 2,4-Dinitrotoluene	165		11.459					149
75 4-Nitrophenol	109		11.492					
76 2,3,4,6-Tetrachlorophenol	232		11.640					19
78 Diethyl phthalate	149		11.811					9
79 Fluorene	166		11.920					9
80 4-Chlorophenyl phenyl ether	204		11.939					19
81 4-Nitroaniline	138		12.025					149
82 4,6-Dinitro-2-methylphenol	198		12.048					
83 N-Nitrosodiphenylamine	169	12.139	12.115	0.024	73	15411	0.1138	
16 1,2-Diphenylhydrazine	77		12.153					1
85 Azobenzene	77		12.153					1
86 Benzophenone	105		12.177					1
89 4-Bromophenyl phenyl ether	248		12.581					
91 Hexachlorobenzene	284		12.643					
93 Atrazine	200		12.833					9
94 Pentachlorophenol	266		12.914					
97 Phenanthrene	178		13.142					
98 Anthracene	178		13.204					
99 Carbazole	167		13.413					
102 Di-n-butyl phthalate	149		13.799					
104 Fluoranthene	202	14.426	14.422	0.004	91	59442	0.4625	
106 Pyrene	202	14.650	14.645	0.005	90	52649	0.4159	
108 Butyl benzyl phthalate	149		15.244					

Report Date: 09-Mar-2013 10:23:54 Chrom Revision: 2.0 01-Feb-2013 10:03:10
Data File: \\Bufchrom\ChromData\HP5973X\20121221-17772.b\X3224.D

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
110 Bis(2-ethylhexyl) phthalate	149	15.724	15.739	-0.015	95	954528	9.91	
109 3,3'-Dichlorobenzidine	252		15.739					
111 Benzo[a]anthracene	228		15.753					9
112 Chrysene	228		15.791					
113 Di-n-octyl phthalate	149		16.281					
114 Benzo[b]fluoranthene	252		16.695					
115 Benzo[k]fluoranthene	252		16.718					
116 Benzo[a]pyrene	252		17.004					
117 Indeno[1,2,3-cd]pyrene	276		18.155					
118 Dibenz(a,h)anthracene	278		18.155					
119 Benzo[g,h,i]perylene	276		18.473					9
S 120 3 & 4 Methylphenol	108		0.000					

QC Flag Legend

Processing Flags
1 - Missing Peaks
4 - Failed Signal Ratio Test
9 - Failed A Reference Spectral Test

TestAmerica Buffalo
Tentatively Identified Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973X\20121221-17772.b\X3224.D		
Lims ID:	480-30346-B-4-A	Client ID:	OC-SB-519-0.0/1.0-XXX
Inject. Date:	21-Dec-2012 11:04:30	Dil. Factor:	10.0000
Sample Type:	Client		
Sample ID:	480-0017772-004		
Misc. Info.:			
Operator:	ANM	Instrument ID:	HP5973X
Injection Vol:	1.0 ul	ALS Bottle#:	5
Lims Batch ID:	97046	Lims Sample ID:	4
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973X\20121221-17772.b\X-8270LL.m		
Last Update:	09-Mar-2013 10:23:53	Calib Date:	18-Dec-2012 14:44:30
Tic RT Window:	1.500 -0.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\Bufchrom\ChromData\Database\NIST98.L		
Min. Match:	85		
Process Host:	XAWRK034		

First Level Reviewer: WilkesD Date: 09-Mar-2013 10:22:55

Tentative Identified Compound Results

RT	Response	Amount ng/uL	Quant Cpnd	Qual	Lib Entry	Flags
		Unknown				
4.173	2849201	13.4	1			
108-38-3		Benzene, 1,3-dimethyl-				
4.649	1060703	4.98	1	97	117396	
		Unknown				
9.609	296641	1.25	2			
		Unknown				
15.059	2027907	6.51	5			
		Unknown				
16.138	400212	1.29	5			
54833-48-6		Heptadecane, 2,6,10,15-tetramethyl-				
16.685	456125	1.52	6	98	17067	
26603-23-6		p,p'-Dioctyldiphenylamine				
16.999	6424284	21.4	6	93	101420	
		Unknown				
18.159	372491	1.24	6			
		Unknown				
18.273	529618	1.77	6			
		Unknown				
18.506	1159793	3.87	6			

Quantitation Compounds

Compound	RT	Response	Amount ng/uL

Report Date: 09-Mar-2013 10:23:54 Chrom Revision: 2.0 01-Feb-2013 10:03:10
Data File: \\Bufchrom\ChromData\HP5973X\20121221-17772.b\X3224.D

Compound	RT	Response	Amount ng/uL
* 1 1,4-Dichlorobenzene-d4	6.565	1064966	5.00
* 2 Naphthalene-d8	8.463	1188796	5.00
* 5 Chrysene-d12	15.753	1556589	5.00
* 6 Perylene-d12	17.042	1499968	5.00

QC Flag Legend

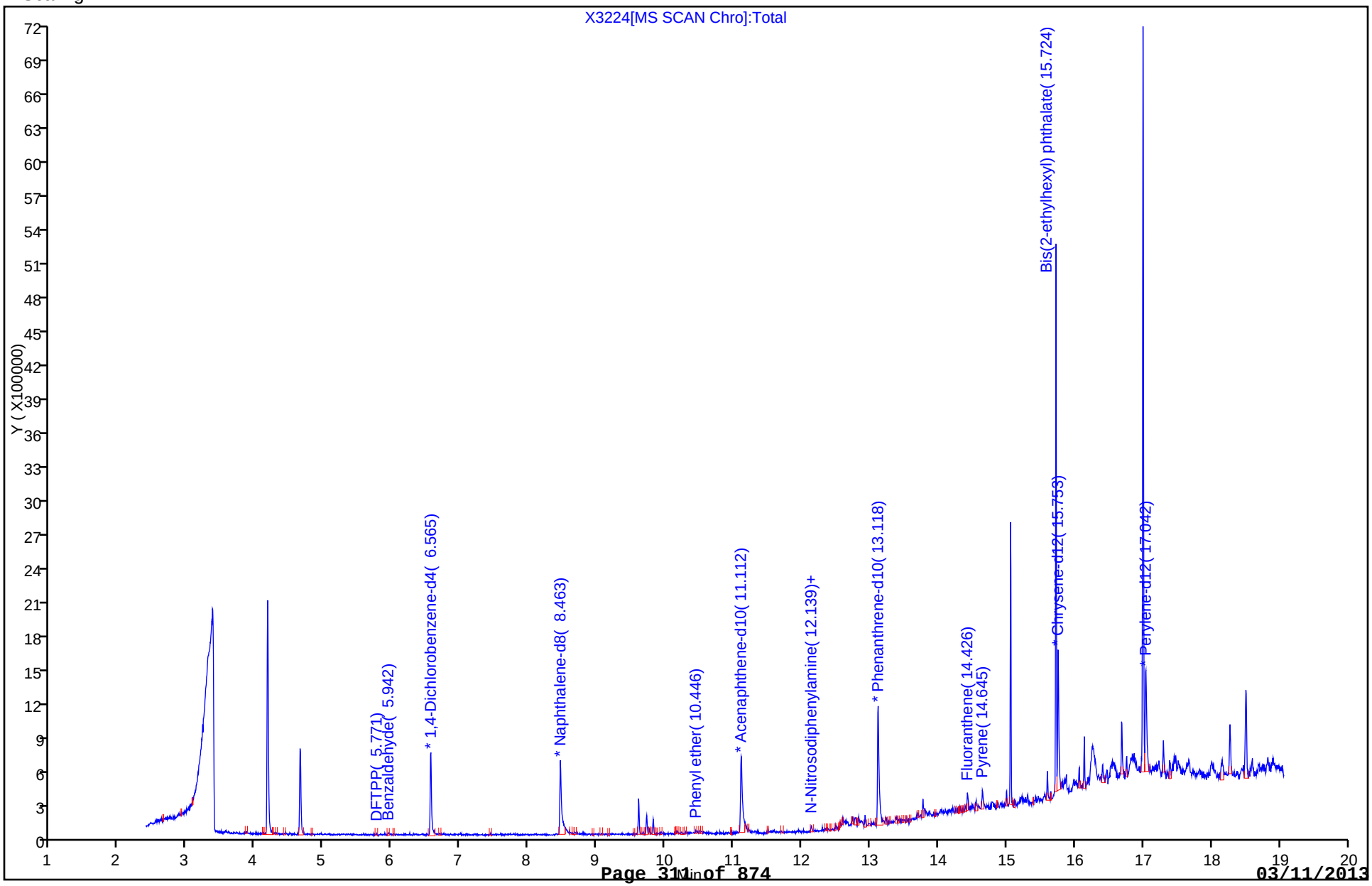
Processing Flags

Report Date: 09-Mar-2013 10:23:54 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121221-17772.b\X3224.D		
Injection Date:	21-Dec-2012 11:04:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-519-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	97046	Lims Sample ID:	4
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:

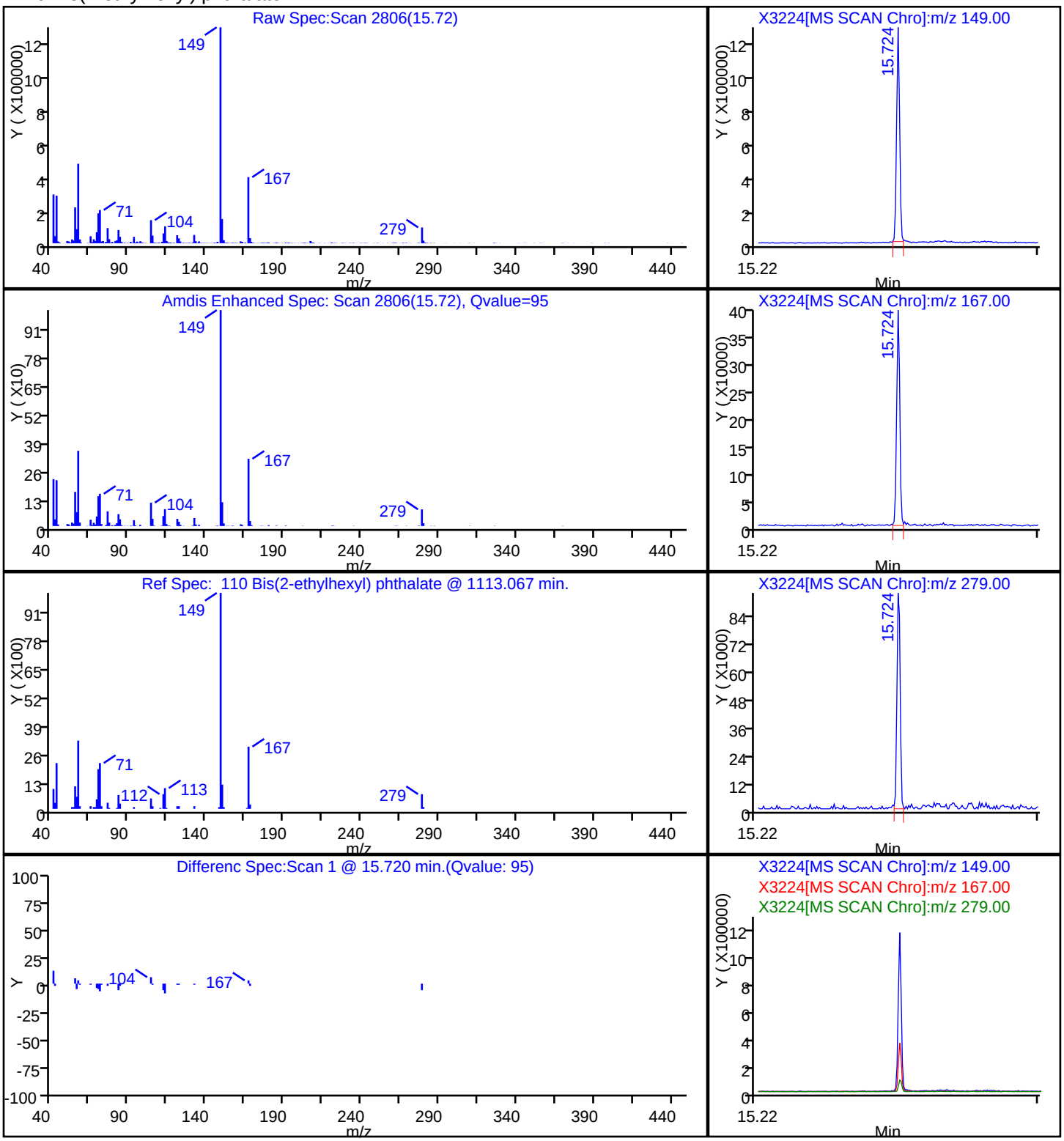


Report Date: 09-Mar-2013 10:23:54 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121221-17772.b\X3224.D		
Injection Date:	21-Dec-2012 11:04:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-519-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	97046	Lims Sample ID:	4
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

110 Bis(2-ethylhexyl) phthalate

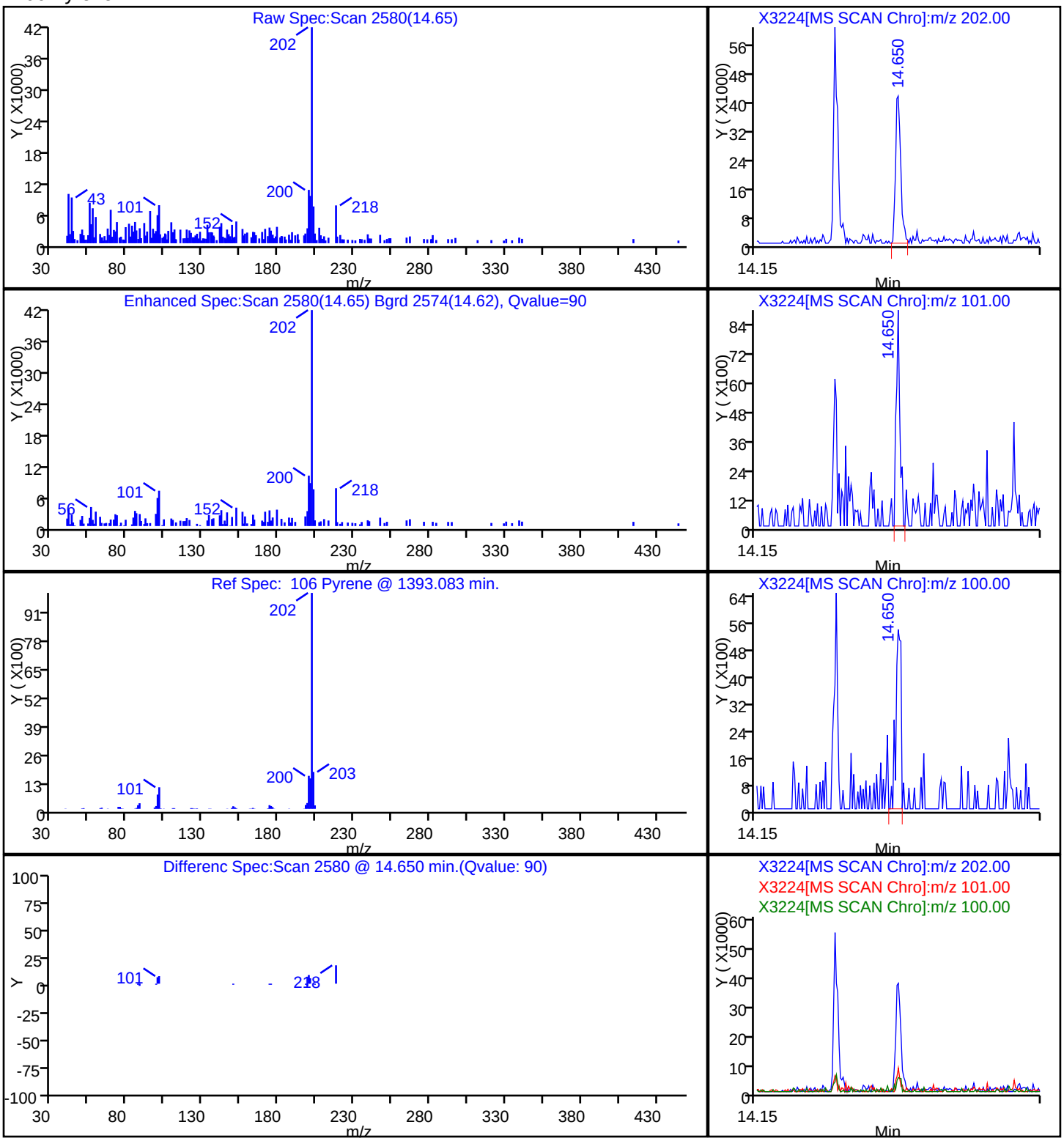


Report Date: 09-Mar-2013 10:23:54 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121221-17772.b\X3224.D		
Injection Date:	21-Dec-2012 11:04:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-519-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	97046	Lims Sample ID:	4
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

106 Pyrene

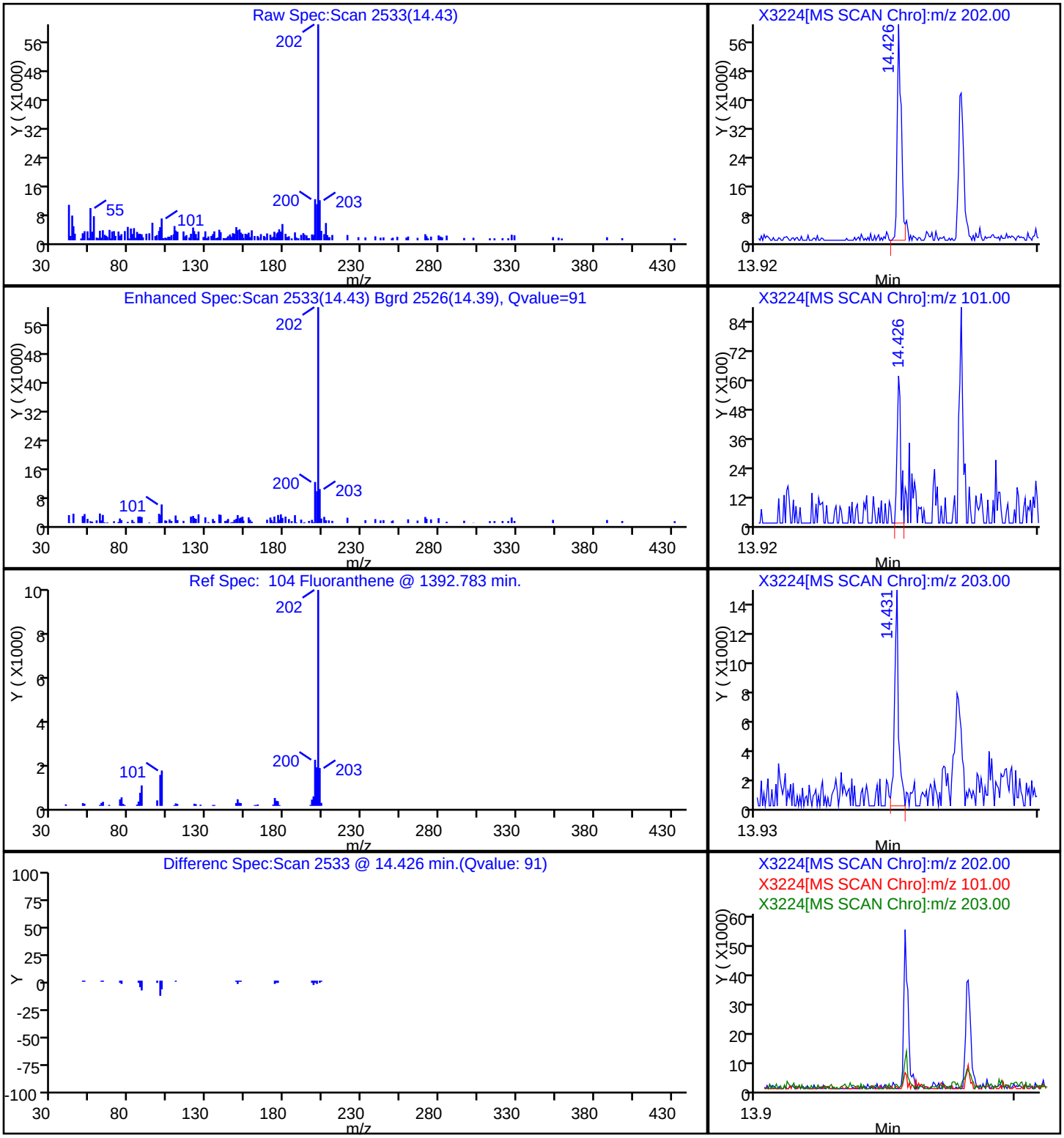


Report Date: 09-Mar-2013 10:23:54 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121221-17772.b\X3224.D		
Injection Date:	21-Dec-2012 11:04:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-519-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	97046	Lims Sample ID:	4
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

104 Fluoranthene

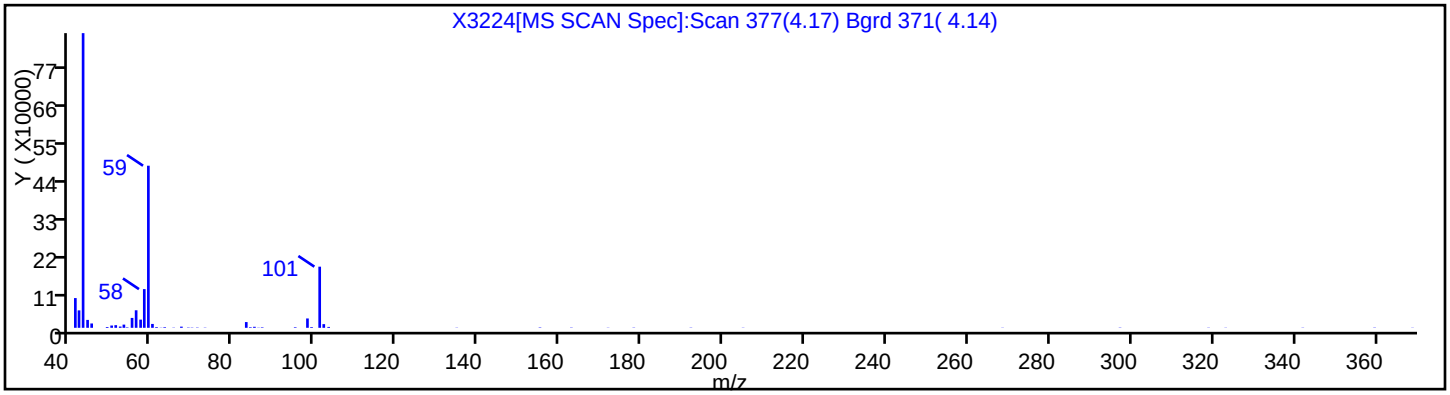


Report Date: 09-Mar-2013 10:23:54 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121221-17772.b\X3224.D		
Injection Date:	21-Dec-2012 11:04:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-519-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	97046	Lims Sample ID:	4
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85

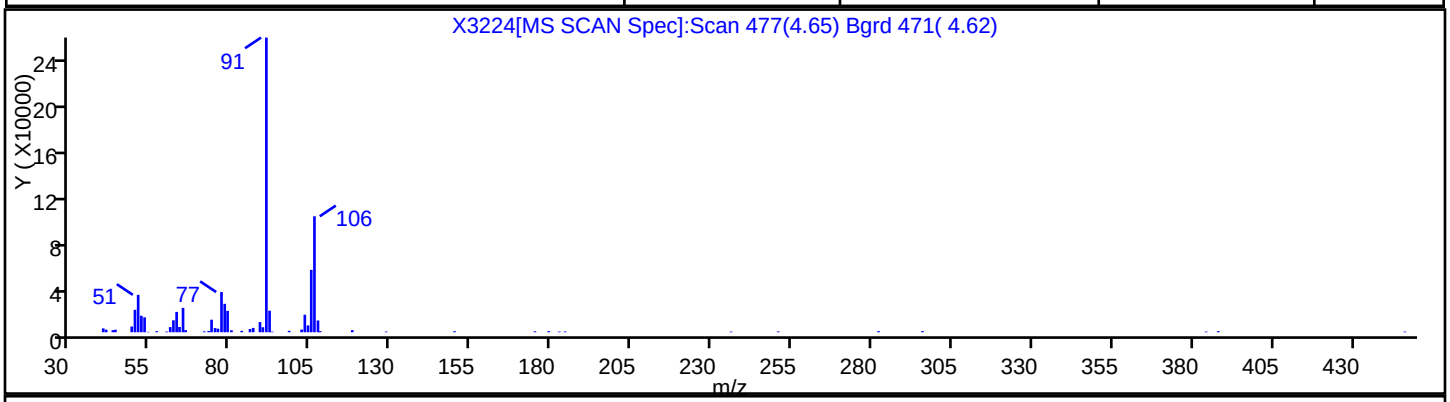


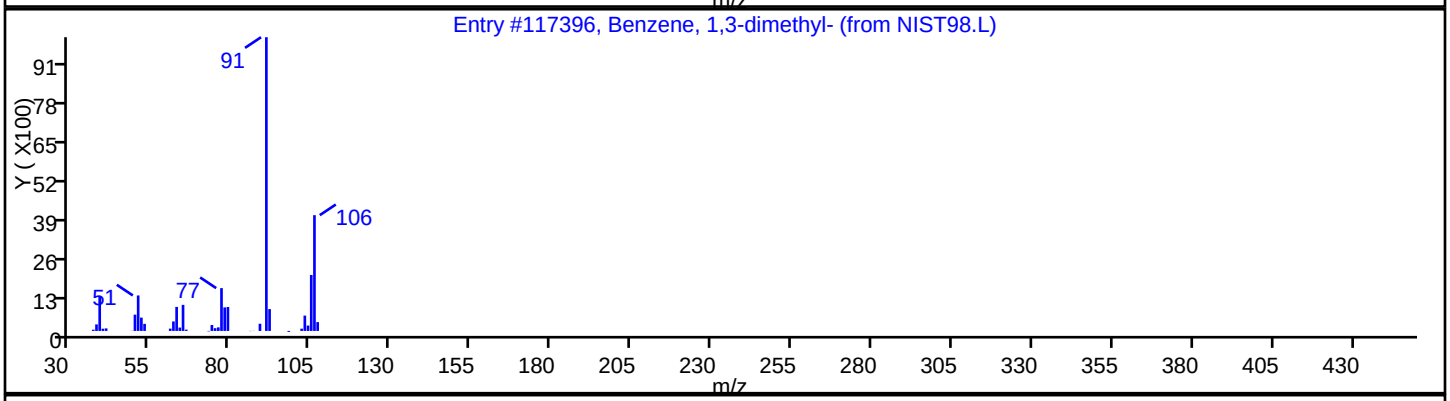
Report Date: 09-Mar-2013 10:23:54 Chrom Revision: 2.0 01-Feb-2013 10:03:10

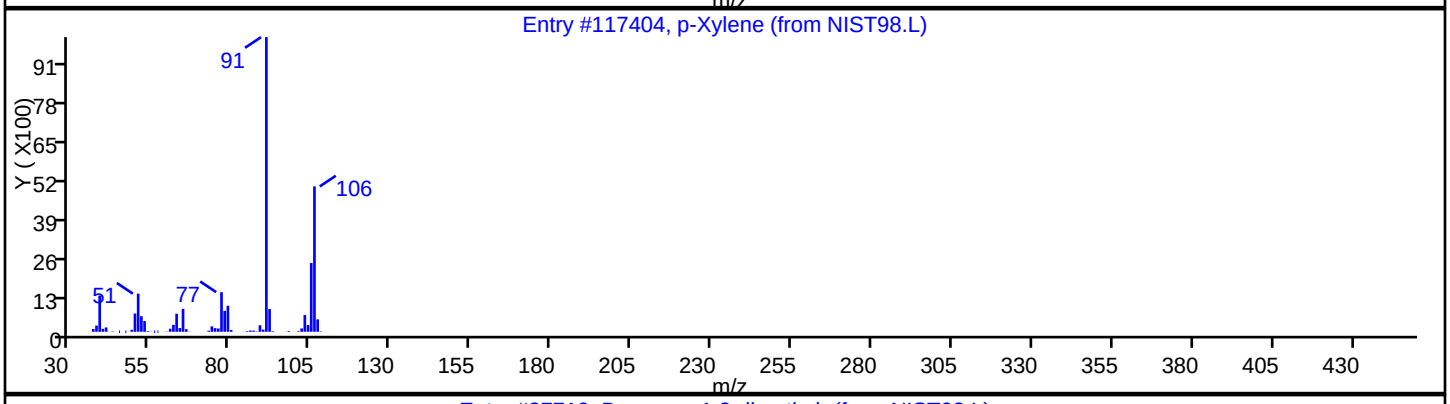
TestAmerica Buffalo

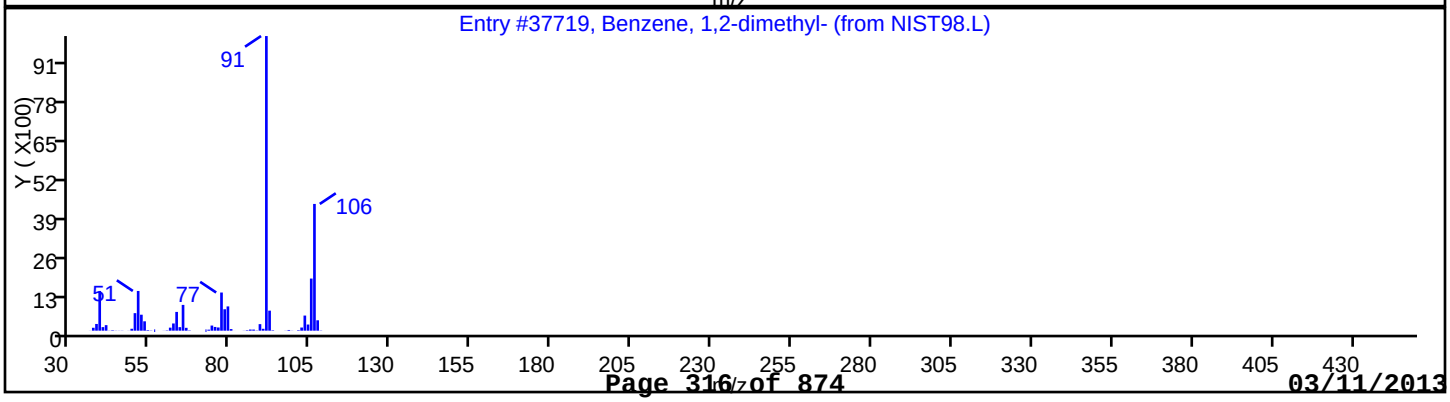
Data File:	\\Bufchrom\ChromData\HP5973X\20121221-17772.b\X3224.D		
Injection Date:	21-Dec-2012 11:04:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-519-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	97046	Lims Sample ID:	4
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Benzene, 1,3-dimethyl-	108-38-3	NIST98.L	117396	97
p-Xylene	106-42-3	NIST98.L	117404	97
Benzene, 1,2-dimethyl-	95-47-6	NIST98.L	37719	97







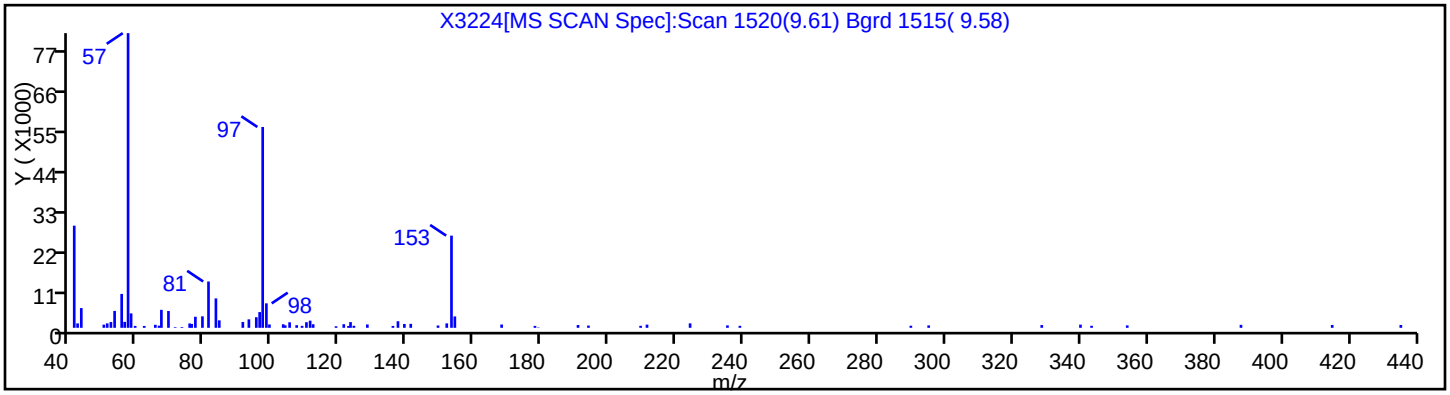


Report Date: 09-Mar-2013 10:23:54 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121221-17772.b\X3224.D		
Injection Date:	21-Dec-2012 11:04:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-519-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	97046	Lims Sample ID:	4
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85

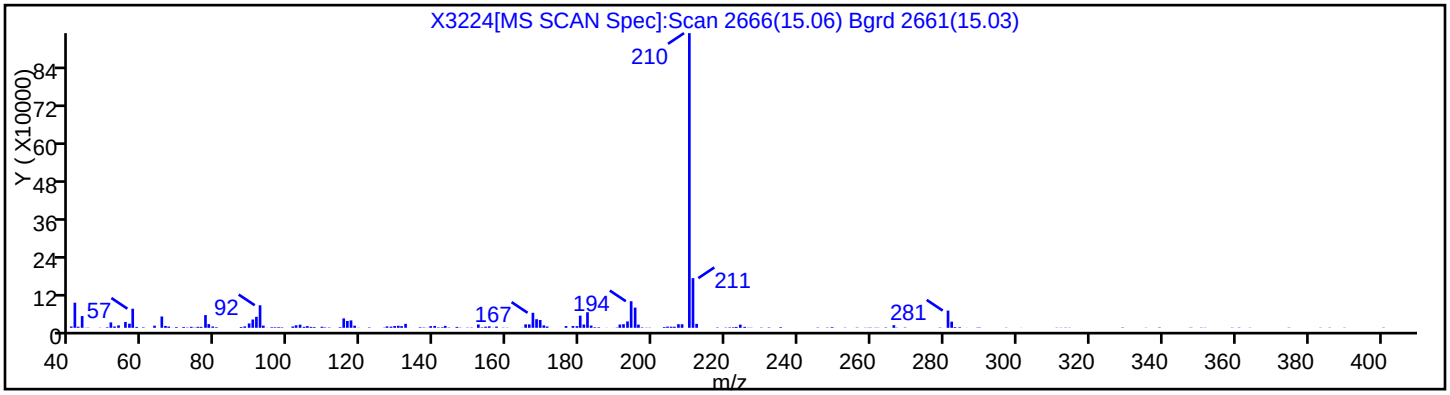


Report Date: 09-Mar-2013 10:23:54 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121221-17772.b\X3224.D		
Injection Date:	21-Dec-2012 11:04:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-519-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	97046	Lims Sample ID:	4
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85

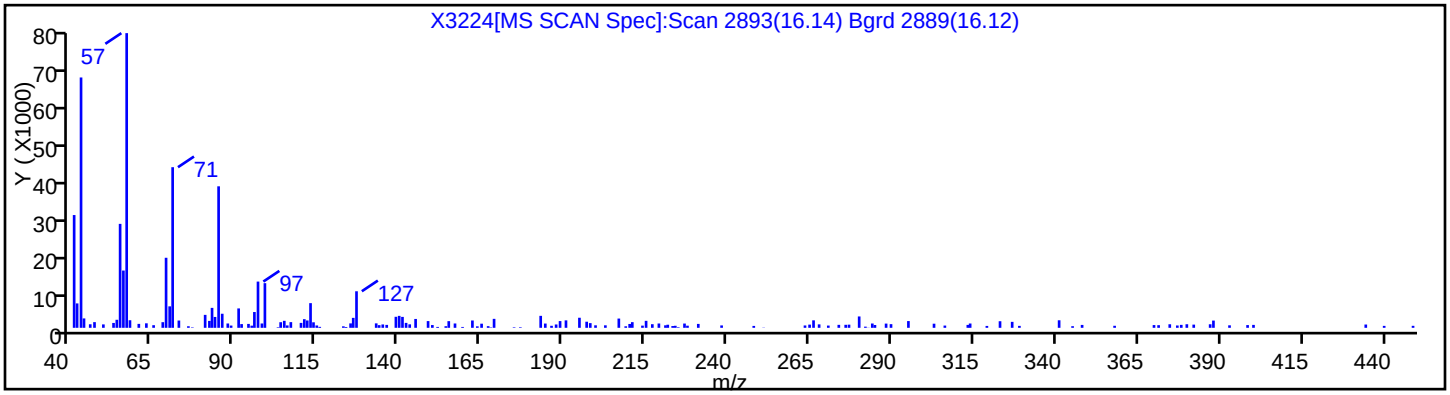


Report Date: 09-Mar-2013 10:23:54 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121221-17772.b\X3224.D		
Injection Date:	21-Dec-2012 11:04:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-519-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	97046	Lims Sample ID:	4
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85

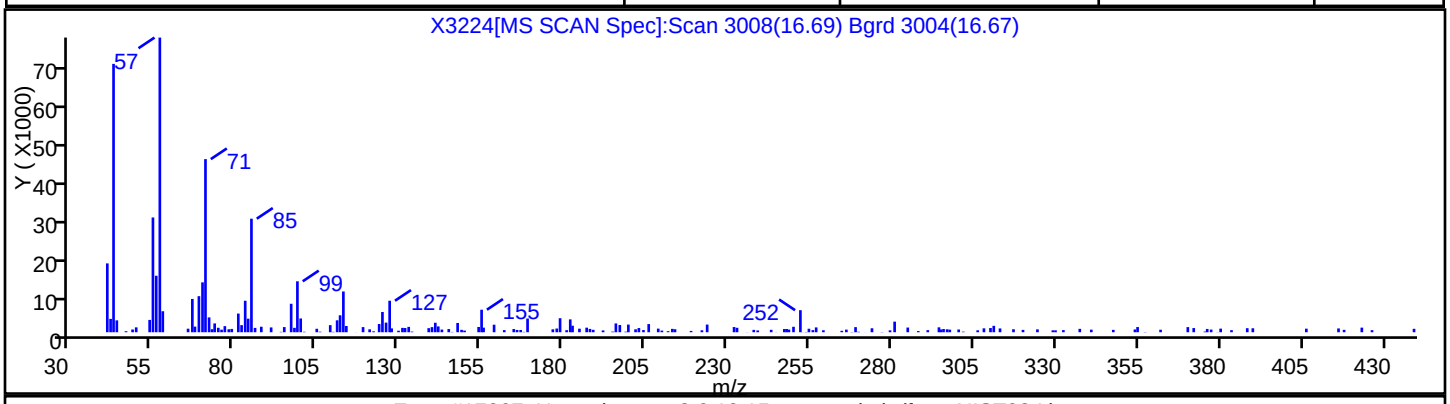


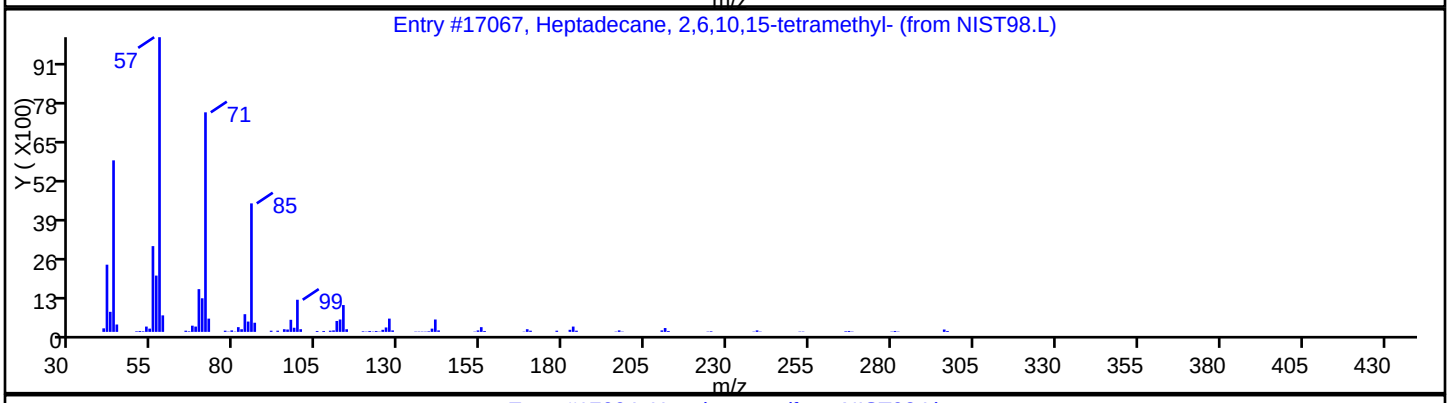
Report Date: 09-Mar-2013 10:23:54 Chrom Revision: 2.0 01-Feb-2013 10:03:10

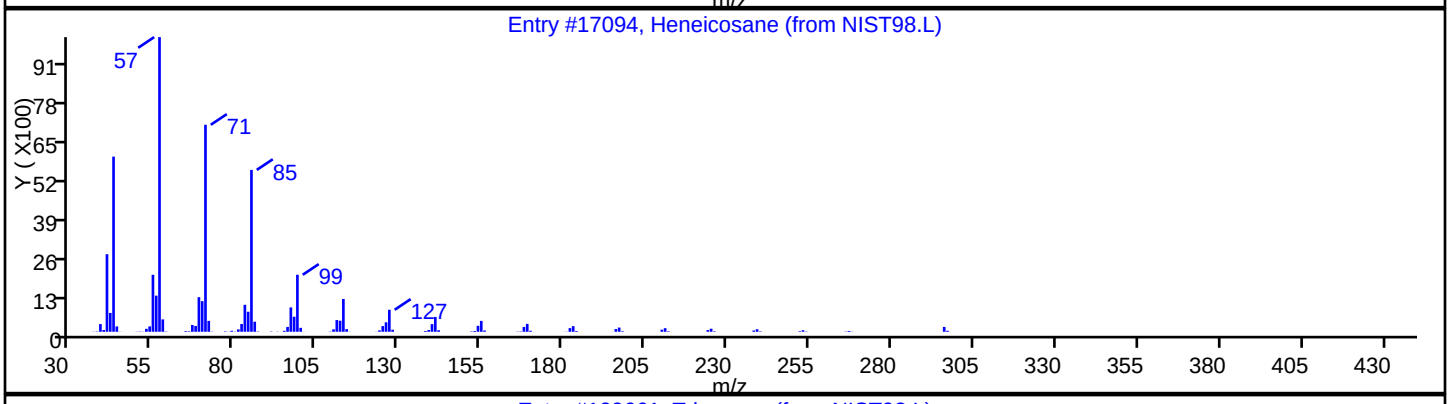
TestAmerica Buffalo

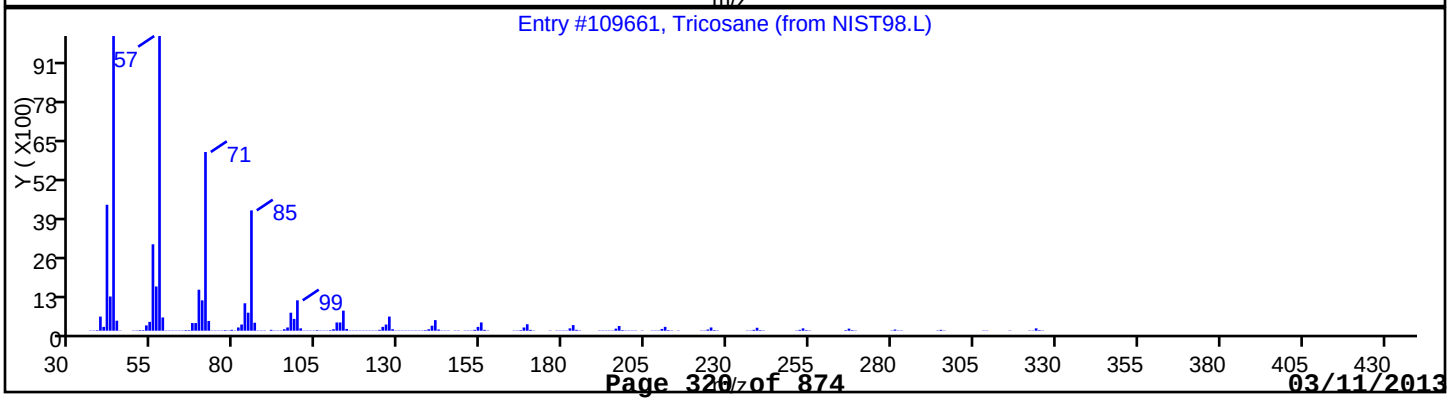
Data File:	\\Bufchrom\ChromData\HP5973X\20121221-17772.b\X3224.D		
Injection Date:	21-Dec-2012 11:04:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-519-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	97046	Lims Sample ID:	4
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Heptadecane, 2,6,10,15-tetramethyl-	54833-48-6	NIST98.L	17067	98
Heneicosane	629-94-7	NIST98.L	17094	89
Tricosane	638-67-5	NIST98.L	109661	89







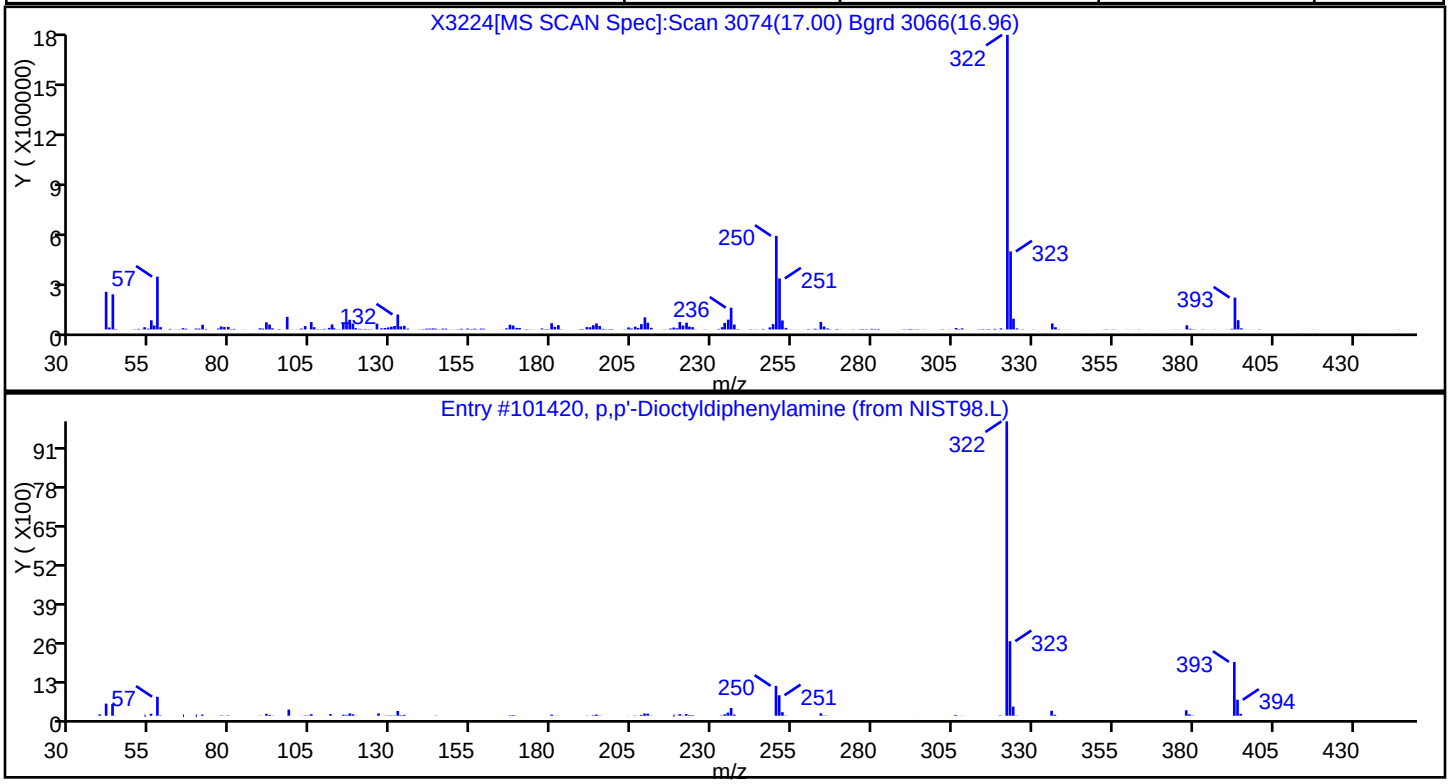


Report Date: 09-Mar-2013 10:23:54 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121221-17772.b\X3224.D		
Injection Date:	21-Dec-2012 11:04:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-519-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	97046	Lims Sample ID:	4
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
p,p'-Dioctyldiphenylamine	26603-23-6	NIST98.L	101420	93

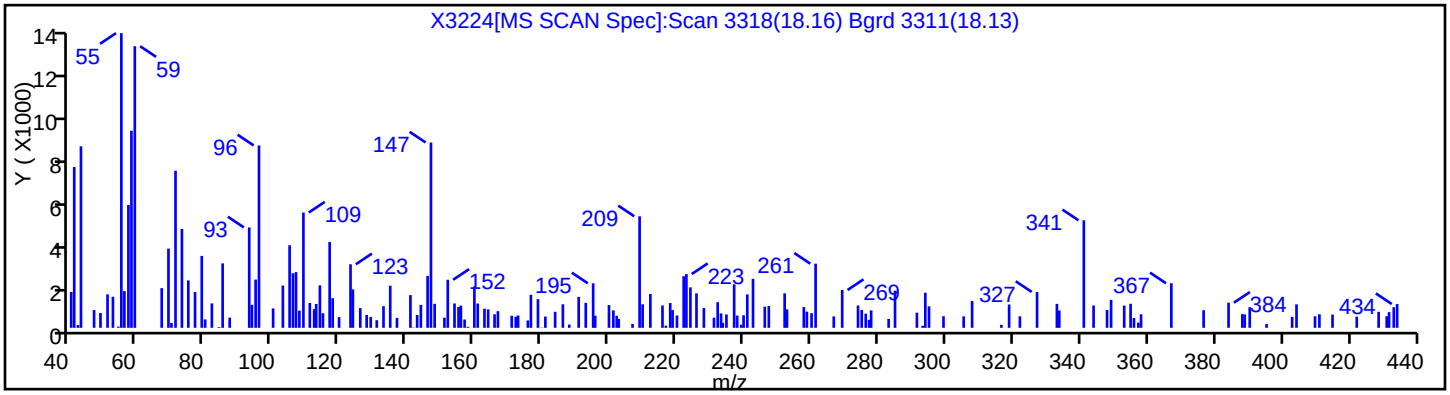


Report Date: 09-Mar-2013 10:23:54 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121221-17772.b\X3224.D		
Injection Date:	21-Dec-2012 11:04:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-519-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	97046	Lims Sample ID:	4
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85

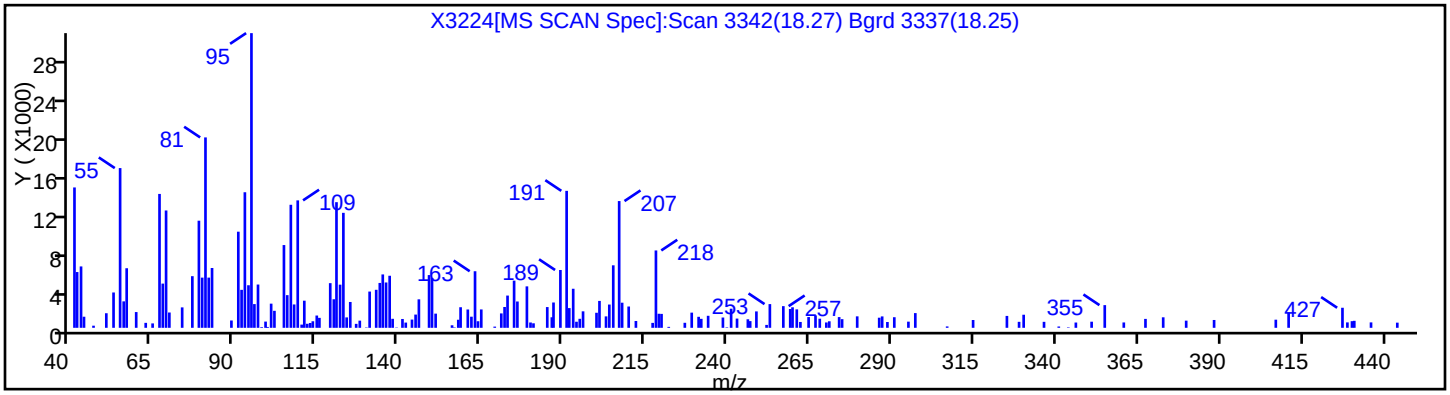


Report Date: 09-Mar-2013 10:23:54 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121221-17772.b\X3224.D		
Injection Date:	21-Dec-2012 11:04:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-519-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	97046	Lims Sample ID:	4
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85

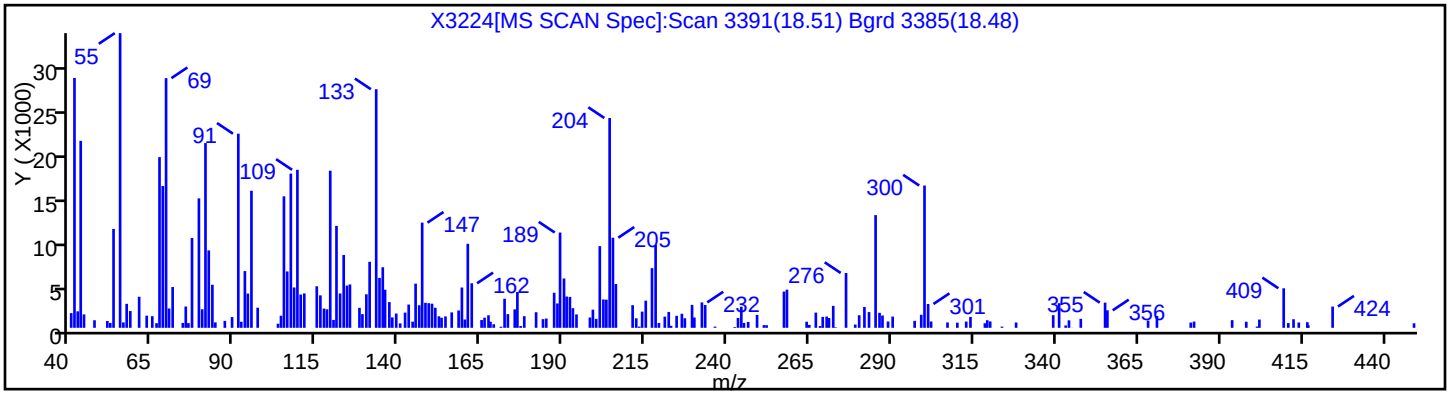


Report Date: 09-Mar-2013 10:23:54 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121221-17772.b\X3224.D		
Injection Date:	21-Dec-2012 11:04:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-519-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	97046	Lims Sample ID:	4
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30346-1

SDG No.:

Client Sample ID: OC-SB-519-8.0/10-XXX | Lab Sample ID: 480-30346-5

Matrix: Solid | Lab File ID: X3207.D

Analysis Method: 8270D | Date Collected: 12/14/2012 09:20

Extract. Method: 3546 | Date Extracted: 12/19/2012 09:30

Sample wt/vol: 000030.1(g) | Date Analyzed: 12/20/2012 17:24

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 24.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 96803 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
117-81-7	Bis(2-ethylhexyl) phthalate	ND		220	88
95-95-4	2,4,5-Trichlorophenol	ND		44	14
62-53-3	Aniline	ND		44	13
67-72-1	Hexachloroethane	ND		44	13
131-11-3	Dimethyl phthalate	ND		44	13
105-67-9	2,4-Dimethylphenol	ND		44	13
78-59-1	Isophorone	ND		44	13
86-73-7	Fluorene	ND		44	13
132-64-9	Dibenzofuran	ND		44	13
208-96-8	Acenaphthylene	ND		44	13
120-83-2	2,4-Dichlorophenol	ND		44	13
191-24-2	Benzo[g,h,i]perylene	ND		44	13
118-74-1	Hexachlorobenzene	ND		44	13
117-84-0	Di-n-octyl phthalate	ND		44	13
87-68-3	Hexachlorobutadiene	ND		44	13
85-01-8	Phenanthrene	ND		44	13
88-75-5	2-Nitrophenol	ND		44	17
207-08-9	Benzo[k]fluoranthene	ND		44	22
51-28-5	2,4-Dinitrophenol	ND	*	44	35
120-12-7	Anthracene	ND		44	13
91-57-6	2-Methylnaphthalene	ND		44	13
84-74-2	Di-n-butyl phthalate	ND		220	66
120-82-1	1,2,4-Trichlorobenzene	ND		44	13
129-00-0	Pyrene	ND		44	13
121-14-2	2,4-Dinitrotoluene	ND		44	13
53-70-3	Dibenz(a,h)anthracene	ND		44	13
541-73-1	1,3-Dichlorobenzene	ND		44	13
98-95-3	Nitrobenzene	ND		44	13
91-20-3	Naphthalene	ND		44	13
88-06-2	2,4,6-Trichlorophenol	ND		44	18
87-86-5	Pentachlorophenol	ND		44	13
206-44-0	Fluoranthene	ND		44	13
91-94-1	3,3'-Dichlorobenzidine	ND		88	16
101-55-3	4-Bromophenyl phenyl ether	ND		44	13

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30346-1

SDG No.:

Client Sample ID: OC-SB-519-8.0/10-XXX | Lab Sample ID: 480-30346-5

Matrix: Solid | Lab File ID: X3207.D

Analysis Method: 8270D | Date Collected: 12/14/2012 09:20

Extract. Method: 3546 | Date Extracted: 12/19/2012 09:30

Sample wt/vol: 000030.1(g) | Date Analyzed: 12/20/2012 17:24

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 24.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 96803 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
84-66-2	Diethyl phthalate	ND		44	14
95-48-7	2-Methylphenol	ND		44	13
95-50-1	1,2-Dichlorobenzene	ND		44	13
108-60-1	2,2'-oxybis[1-chloropropane]	ND		44	13
98-86-2	Acetophenone	ND		44	13
111-44-4	Bis(2-chloroethyl)ether	ND		44	13
56-55-3	Benzo[a]anthracene	ND		44	13
193-39-5	Indeno[1,2,3-cd]pyrene	ND		44	13
85-68-7	Butyl benzyl phthalate	ND		44	13
218-01-9	Chrysene	ND		44	13
83-32-9	Acenaphthene	ND		44	13
205-99-2	Benzo[b]fluoranthene	ND		44	13
100-02-7	4-Nitrophenol	ND	*	220	18
106-47-8	4-Chloroaniline	ND		88	39
95-57-8	2-Chlorophenol	ND		44	13
606-20-2	2,6-Dinitrotoluene	ND		44	37
108-95-2	Phenol	ND		44	13
15831-10-4	3 & 4 Methylphenol	ND		44	13
106-46-7	1,4-Dichlorobenzene	ND		44	13
111-91-1	Bis(2-chloroethoxy)methane	ND		44	13
91-58-7	2-Chloronaphthalene	ND		44	13
621-64-7	N-Nitrosodi-n-propylamine	ND		44	13
7005-72-3	4-Chlorophenyl phenyl ether	ND		44	13
59-50-7	4-Chloro-3-methylphenol	ND		88	13
50-32-8	Benzo[a]pyrene	ND		44	13
106-44-5	4-Methylphenol	ND		44	13
100-01-6	4-Nitroaniline	ND		220	37
88-74-4	2-Nitroaniline	ND		220	55
105-60-2	Caprolactam	ND		44	13
86-74-8	Carbazole	ND		44	13
534-52-1	4,6-Dinitro-2-methylphenol	ND		220	42
90-12-0	1-Methylnaphthalene	ND		44	13
86-30-6	N-Nitrosodiphenylamine	50		44	13
1912-24-9	Atrazine	ND		44	13

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo
Job No.: 480-30346-1
SDG No.:
Client Sample ID: OC-SB-519-8.0/10-XXX
Lab Sample ID: 480-30346-5
Matrix: Solid
Lab File ID: X3207.D
Analysis Method: 8270D
Date Collected: 12/14/2012 09:20
Extract. Method: 3546
Date Extracted: 12/19/2012 09:30
Sample wt/vol: 000030.1(g)
Date Analyzed: 12/20/2012 17:24
Con. Extract Vol.: 1(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
Level: (low/med) Low
% Moisture: 24.1
GPC Cleanup:(Y/N) N
Analysis Batch No.: 96803
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
101-84-8	Phenyl ether	ND		44	13
100-52-7	Benzaldehyde	ND		44	13
103-33-3	Azobenzene	ND	*	44	13
77-47-4	Hexachlorocyclopentadiene	ND		88	13
99-09-2	3-Nitroaniline	ND		220	13
62-75-9	N-Nitrosodimethylamine	ND		44	13
100-51-6	Benzyl alcohol	ND		88	13
92-52-4	1,1'-Biphenyl	ND		44	13
58-90-2	2,3,4,6-Tetrachlorophenol	ND		44	13
119-61-9	Benzophenone	ND		44	13
65-85-0	Benzoic acid	ND		220	20
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		44	13

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	115		30-130
367-12-4	2-Fluorophenol	103		30-130
4165-60-0	Nitrobenzene-d5	92		30-130
4165-62-2	Phenol-d5	89		30-130
321-60-8	2-Fluorobiphenyl	112		30-130
1718-51-0	p-Terphenyl-d14	103		30-130

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Buffalo
Job No.: 480-30346-1
SDG No.:
Client Sample ID: OC-SB-519-8.0/10-XXX
Lab Sample ID: 480-30346-5
Matrix: Solid
Lab File ID: X3207.D
Analysis Method: 8270D
Date Collected: 12/14/2012 09:20
Extract. Method: 3546
Date Extracted: 12/19/2012 09:30
Sample wt/vol: 000030.1(g)
Date Analyzed: 12/20/2012 17:24
Con. Extract Vol.: 1(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
Level: (low/med) Low
% Moisture: 24.1
GPC Cleanup:(Y/N) N
Analysis Batch No.: 96803
Units: ug/Kg
Number TICs Found: 10
TIC Result Total: 8175

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	3.84	84	T J
	Unknown	4.21	7500	T J
	Unknown	4.23	40	T J
122-39-4	Diphenylamine	12.13	50	
	Unknown	13.78	64	T J
14949-12-3	5.beta.-Cholest-23-ene, (Z)-	15.31	46	T J N
	Unknown	16.41	78	T J
7683-64-9	Squalene	16.48	160	T J N
	Unknown	16.69	100	T J
	Unknown	16.98	53	T J

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3207.D		
Lims ID:	480-30346-B-5-A	Client ID:	OC-SB-519-8.0/10-XXX
Inject. Date:	20-Dec-2012 17:24:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-0017736-017		
Misc. Info.:			
Operator:	ANM	Instrument ID:	HP5973X
Injection Vol:	1.0 ul	ALS Bottle#:	19
Lims Batch ID:	96803	Lims Sample ID:	17
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X-8270LL.m		
Last Update:	09-Mar-2013 10:14:49	Calib Date:	18-Dec-2012 14:44:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3139.D		
Limit Group:	MB - 8270RCP_MCP ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm
Process Host:	XAWRK034		

First Level Reviewer: WilkesD Date: 28-Feb-2013 12:03:26

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.551	6.570	-0.019	82	162459	5.00	
* 2 Naphthalene-d8	136	8.453	8.439	0.014	98	587826	5.00	
* 3 Acenaphthene-d10	164	11.102	11.064	0.038	84	350998	5.00	
* 4 Phenanthrene-d10	188	13.123	13.080	0.043	95	492943	5.00	sM
* 5 Chrysene-d12	240	15.762	15.734	0.028	96	398118	5.00	
* 6 Perylene-d12	264	17.046	17.013	0.033	91	318635	5.00	sM
$ 7 2-Fluorophenol	112	4.677	4.682	-0.005	0	75863	2.06	M
$ 8 Phenol-d5	99	6.099	6.090	0.009	0	79601	1.77	M
$ 9 Nitrobenzene-d5	82	7.402	7.393	0.009	0	81436	1.85	M
$ 10 2-Fluorobiphenyl	172	10.108	10.075	0.033	86	197386	2.24	
$ 11 2,4,6-Tribromophenol	330	12.296	12.229	0.067	0	20842	2.30	M
$ 12 p-Terphenyl-d14	244	14.788	14.759	0.029	77	157826	2.06	
19 N-Nitrosodimethylamine	42		2.766					1
21 Benzaldehyde	77		5.938					
23 Aniline	93		6.104					14
22 Phenol	94		6.109					9
24 Bis(2-chloroethyl)ether	93		6.204					14
25 2-Chlorophenol	128		6.270					
26 1,3-Dichlorobenzene	146		6.484					
27 1,4-Dichlorobenzene	146		6.594					
29 1,2-Dichlorobenzene	146		6.813					9
28 Benzyl alcohol	108		6.813					
31 2-Methylphenol	108		6.993					9
32 2,2'-oxybis[1-chloropropane]	45		6.998					
33 Acetophenone	105		7.174					
35 DFTPP								
34 N-Nitrosodi-n-propylamine	70		7.183					1
36 4-Methylphenol	108		7.231					9
37 Hexachloroethane	117		7.298					19
38 Nitrobenzene	77		7.421					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
40 Isophorone	82		7.778					
41 2-Nitrophenol	139		7.892					19
43 2,4-Dimethylphenol	107		8.001					
45 Bis(2-chloroethoxy)methane	93		8.125					14
44 Benzoic acid	105		8.177					149
47 2,4-Dichlorophenol	162		8.277					
48 1,2,4-Trichlorobenzene	180		8.363					
49 Naphthalene	128		8.472					
51 4-Chloroaniline	127		8.596					
52 Hexachlorobutadiene	225		8.662					9
54 Caprolactam	113		9.129					
55 4-Chloro-3-methylphenol	107		9.385					1
56 2-Methylnaphthalene	142		9.509					9
57 1-Methylnaphthalene	142		9.656					1
58 Hexachlorocyclopentadiene	237		9.742					
59 1,2,4,5-Tetrachlorobenzene	216		9.761					
60 2,4,6-Trichlorophenol	196		9.970					
61 2,4,5-Trichlorophenol	196		10.056					
62 1,1'-Biphenyl	154		10.218					
63 2-Chloronaphthalene	162		10.265					9
64 Phenyl ether	170	10.422	10.384	0.038	48	5399	0.0978	
65 2-Nitroaniline	65		10.436					1
67 Dimethyl phthalate	163		10.722					
68 2,6-Dinitrotoluene	165		10.807					149
69 Acenaphthylene	152		10.850					
70 3-Nitroaniline	138		11.069					19
71 Acenaphthene	153		11.112					9
72 2,4-Dinitrophenol	184		11.240					
73 Dibenzofuran	168		11.378					19
74 2,4-Dinitrotoluene	165		11.416					19
75 4-Nitrophenol	109		11.454					19
76 2,3,4,6-Tetrachlorophenol	232		11.597					
78 Diethyl phthalate	149		11.777					
79 Fluorene	166		11.882					9
80 4-Chlorophenyl phenyl ether	204		11.901					
81 4-Nitroaniline	138		11.982					
82 4,6-Dinitro-2-methylphenol	198		12.010					149
83 N-Nitrosodiphenylamine	169	12.129	12.077	0.052	94	129839	1.13	
85 Azobenzene	77		12.120					
16 1,2-Diphenylhydrazine	77		12.120					
86 Benzophenone	105		12.144					14
89 4-Bromophenyl phenyl ether	248		12.548					19
91 Hexachlorobenzene	284		12.610					9
93 Atrazine	200		12.800					9
94 Pentachlorophenol	266		12.885					9
97 Phenanthrene	178		13.109					
98 Anthracene	178		13.171					
99 Carbazole	167		13.380					14
102 Di-n-butyl phthalate	149		13.765					9
104 Fluoranthene	202		14.388					
106 Pyrene	202		14.607					
108 Butyl benzyl phthalate	149		15.211					

Report Date: 09-Mar-2013 10:14:53 Chrom Revision: 2.0 01-Feb-2013 10:03:10
Data File: \\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3207.D

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
109 3,3'-Dichlorobenzidine	252		15.705					
110 Bis(2-ethylhexyl) phthalate	149	15.724	15.710	0.014	59	10741	0.1323	
111 Benzo[a]anthracene	228		15.720					
112 Chrysene	228		15.753					9
113 Di-n-octyl phthalate	149		16.248					9
114 Benzo[b]fluoranthene	252		16.657					
115 Benzo[k]fluoranthene	252		16.680					9
116 Benzo[a]pyrene	252		16.961					9
117 Indeno[1,2,3-cd]pyrene	276		18.107					
118 Dibenz(a,h)anthracene	278		18.107					
119 Benzo[g,h,i]perylene	276		18.421					
S 120 3 & 4 Methylphenol	108		0.000					

QC Flag Legend

Processing Flags
1 - Missing Peaks
4 - Failed Signal Ratio Test
9 - Failed A Reference Spectral Test
s - Failed ISTD Recovery Test

Review Flags
M - Manually Integrated

TestAmerica Buffalo
Tentatively Identified Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3207.D		
Lims ID:	480-30346-B-5-A	Client ID:	OC-SB-519-8.0/10-XXX
Inject. Date:	20-Dec-2012 17:24:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-0017736-017		
Misc. Info.:			
Operator:	ANM	Instrument ID:	HP5973X
Injection Vol:	1.0 ul	ALS Bottle#:	19
Lims Batch ID:	96803	Lims Sample ID:	17
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X-8270LL.m		
Last Update:	09-Mar-2013 10:14:49	Calib Date:	18-Dec-2012 14:44:30
Tic RT Window:	1.500 -0.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\Bufchrom\ChromData\Database\NIST98.L		
Min. Match:	85		
Process Host:	XAWRK034		
First Level Reviewer: WilkesD		Date:	28-Feb-2013 12:03:26

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ng/uL	Flags
Diphenylamine	12.129	129839	1.13	

Tentative Identified Compound Results

RT	Response	Amount ng/uL	Quant Cpnd	Qual	Lib Entry	Flags
		Unknown				
3.840	429440	1.91	1			
		Unknown				
4.206	38449599	171.1	1			
		Unknown				
4.225	205739	0.9157	1			
		Unknown				
13.779	388328	1.45	4			
14949-12-3		5.beta.-Cholest-23-ene, (Z)-				
15.311	261555	1.04	5	93	14636	
		Unknown				
16.409	289620	1.79	6			
7683-64-9		Squalene				
16.476	594162	3.68	6	94	114263	
		Unknown				
16.685	379681	2.35	6			
		Unknown				
16.980	195755	1.21	6			

Report Date: 09-Mar-2013 10:14:53 Chrom Revision: 2.0 01-Feb-2013 10:03:10
Data File: \\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3207.D
Quantitation Compounds

Compound	RT	Response	Amount ng/uL
* 1 1,4-Dichlorobenzene-d4	6.556	1123353	5.00
* 4 Phenanthrene-d10	13.123	1338714	5.00
* 5 Chrysene-d12	15.762	1255836	5.00
* 6 Perylene-d12	17.046	807933	5.00

QC Flag Legend

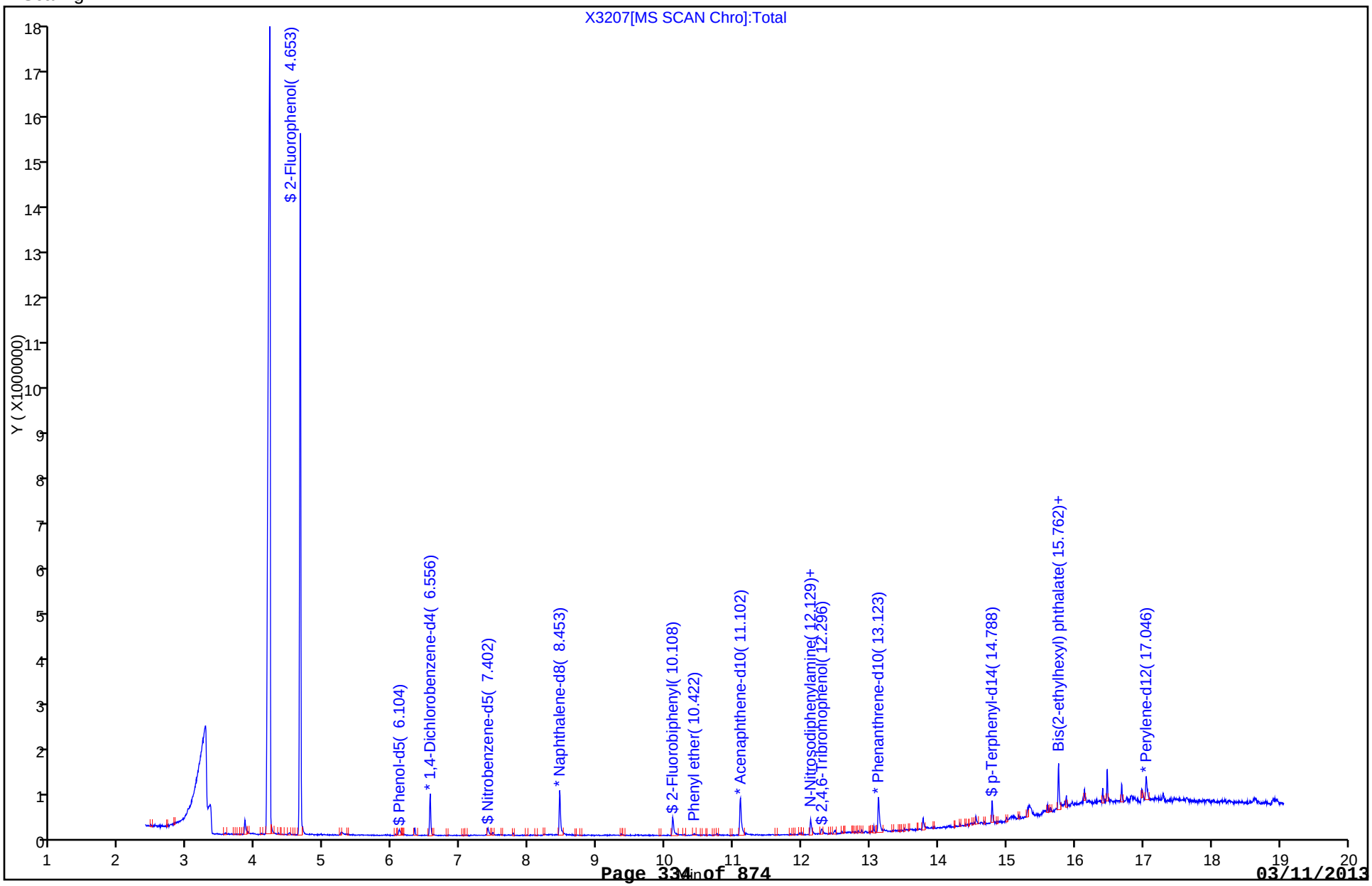
Processing Flags

Report Date: 09-Mar-2013 10:14:53 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3207.D		
Injection Date:	20-Dec-2012 17:24:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-519-8.0/10-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	17
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:

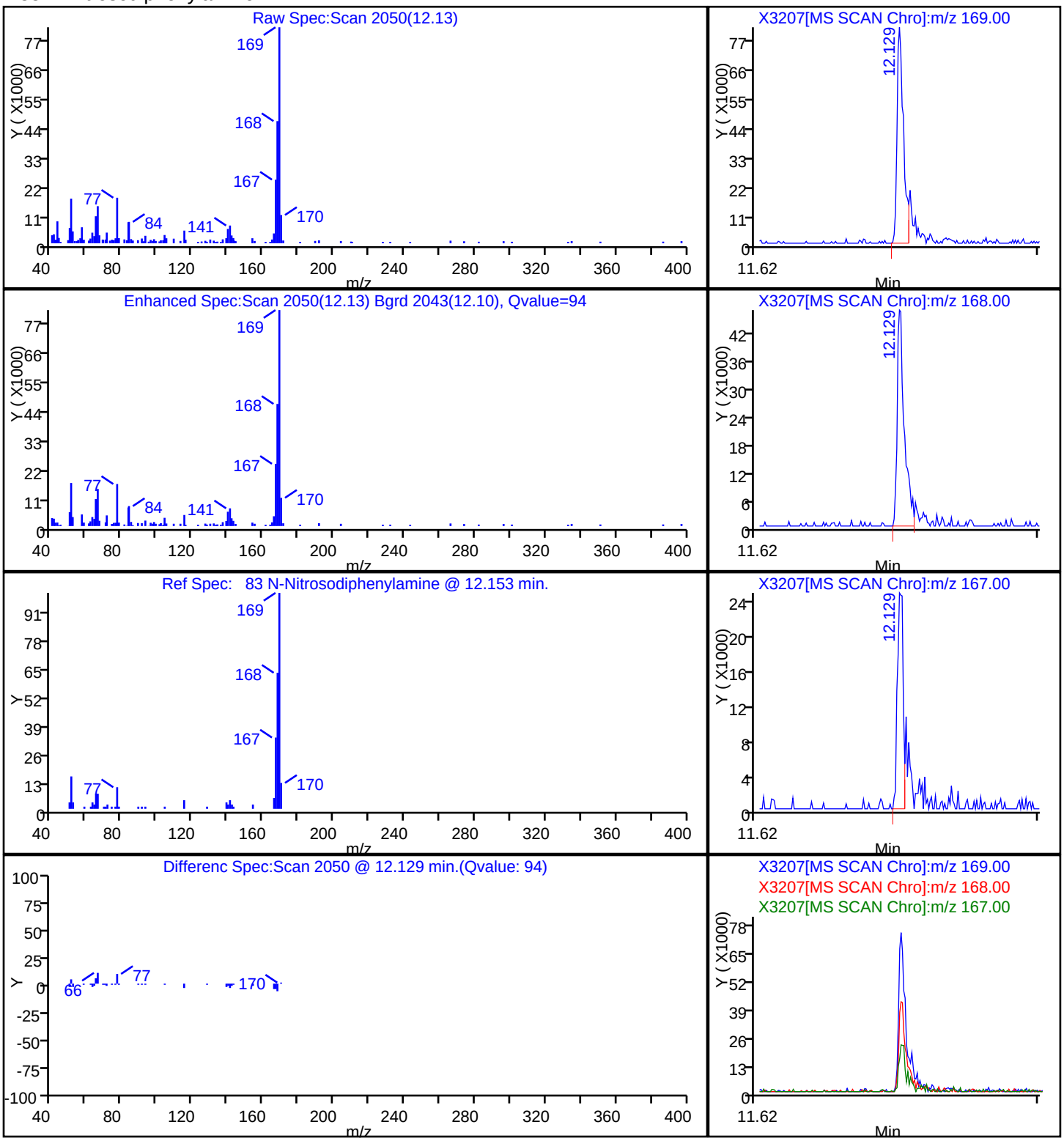


Report Date: 09-Mar-2013 10:14:54 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3207.D		
Injection Date:	20-Dec-2012 17:24:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-519-8.0/10-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	17
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

83 N-Nitrosodiphenylamine

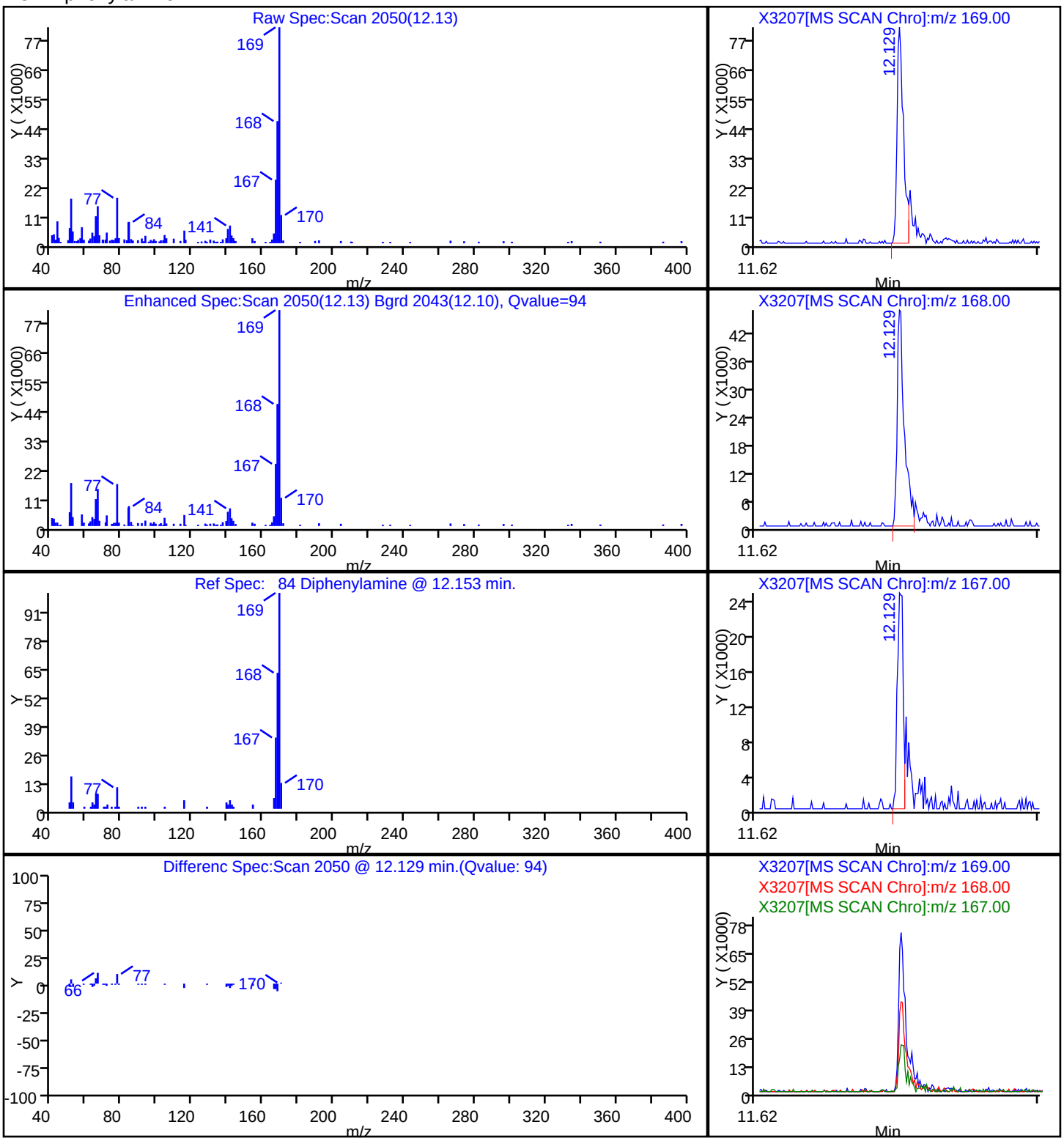


Report Date: 09-Mar-2013 10:14:54 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3207.D		
Injection Date:	20-Dec-2012 17:24:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-519-8.0/10-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	17
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

84 Diphenylamine



Manual Integration/User Assign Peak Report

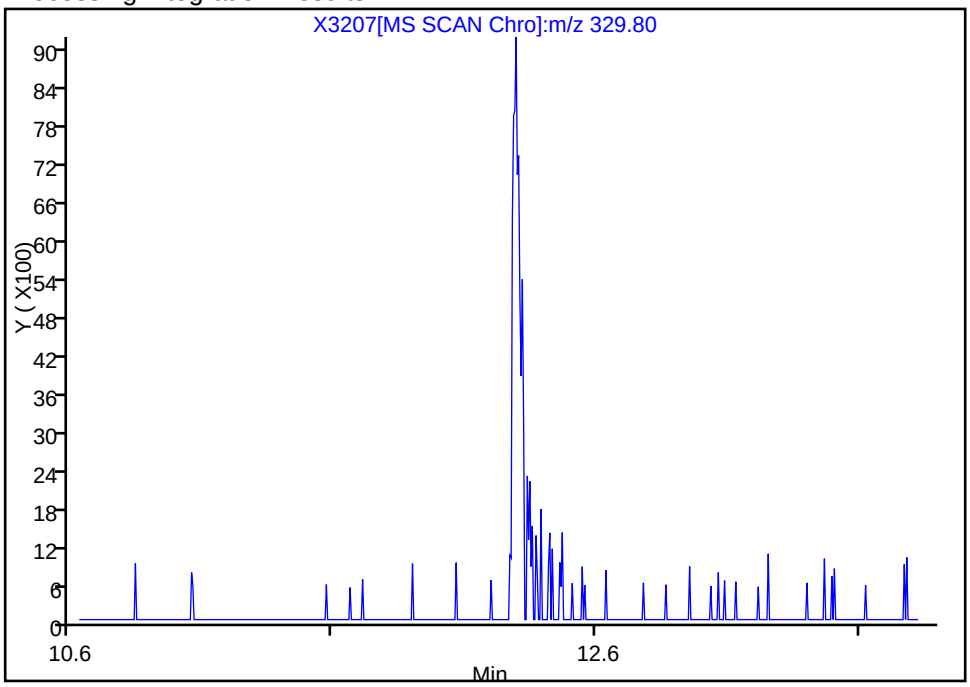
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3207.D		
Injection Date:	20-Dec-2012 17:24:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-519-8.0/10-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	17
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

$ 11 2,4,6-Tribromophenol, Signal: 1, m/z: 329.8 Type: quant, RT: 12.23

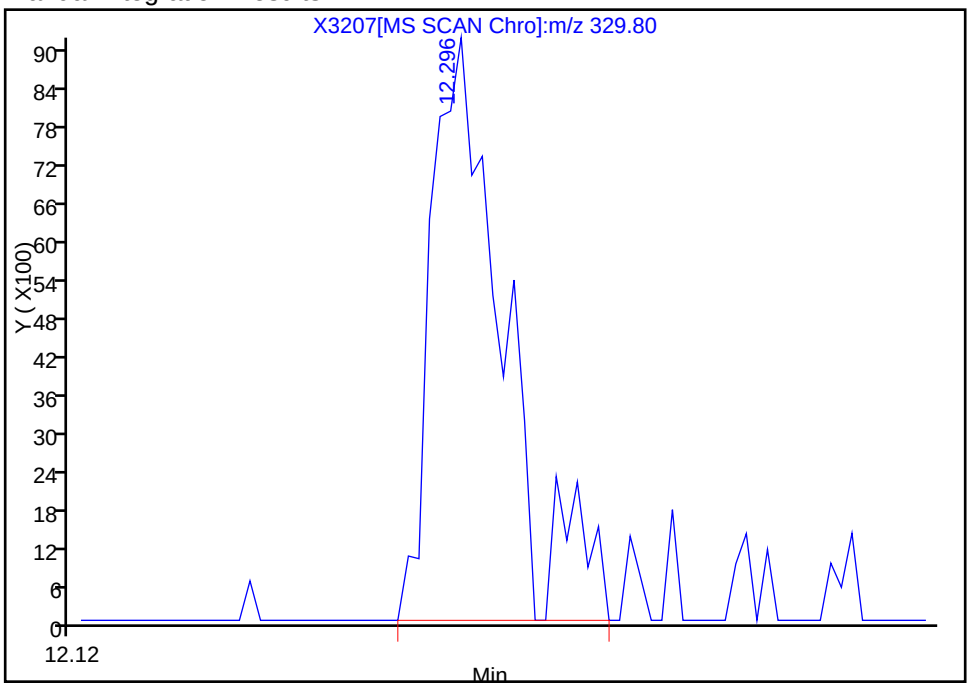
Processing Integration Results

Not Detected
Expected RT: 12.23



Manual Integration Results

RT: 12.30
Response: 20842
Amount: 2.298358



Reviewer: mckernar, 21-Dec-2012 09:04:40
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

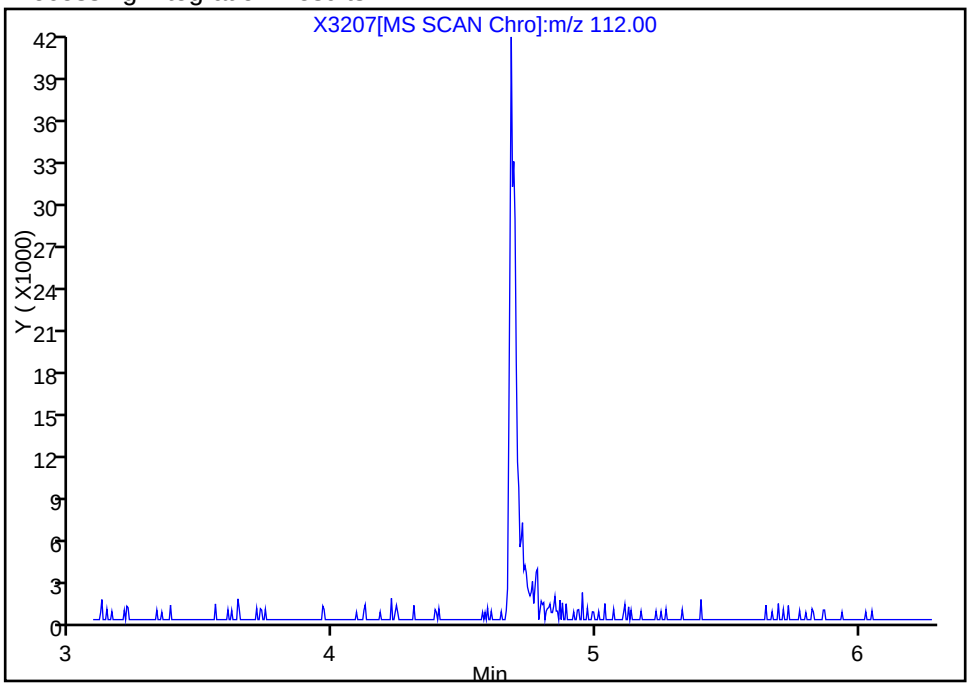
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3207.D		
Injection Date:	20-Dec-2012 17:24:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-519-8.0/10-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	17
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

$ 7 2-Fluorophenol, Signal: 1, m/z: 112.0 Type: quant, RT: 4.68

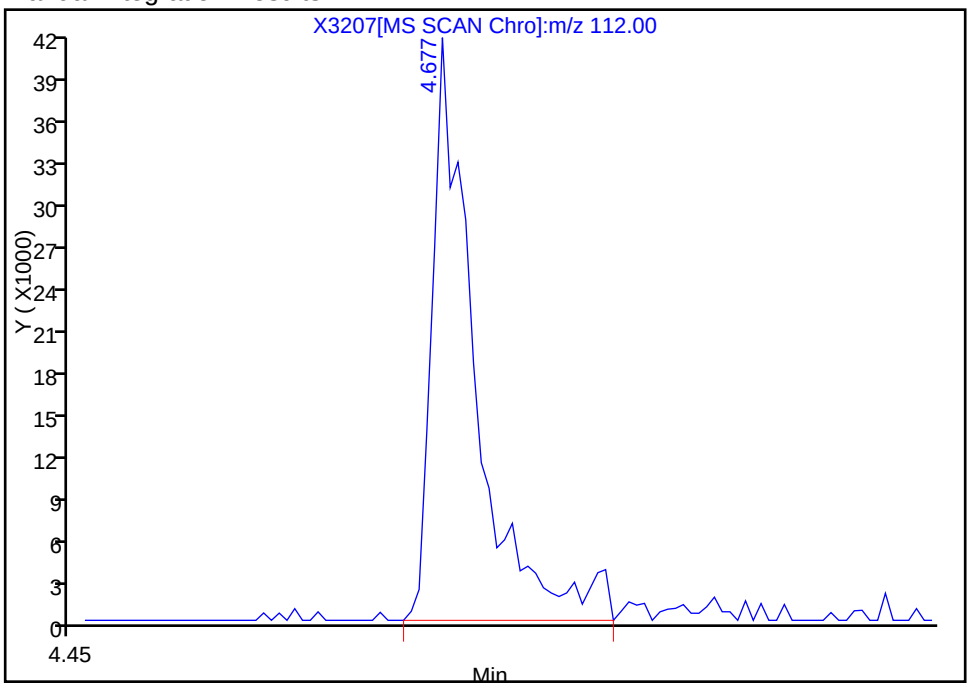
Processing Integration Results

Not Detected
Expected RT: 4.68



Manual Integration Results

RT: 4.68
Response: 75863
Amount: 2.057745



Reviewer: mckernar, 21-Dec-2012 09:04:40
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 09-Mar-2013 10:14:54 Chrom Revision: 2.0 01-Feb-2013 10:03:10

Manual Integration/User Assign Peak Report

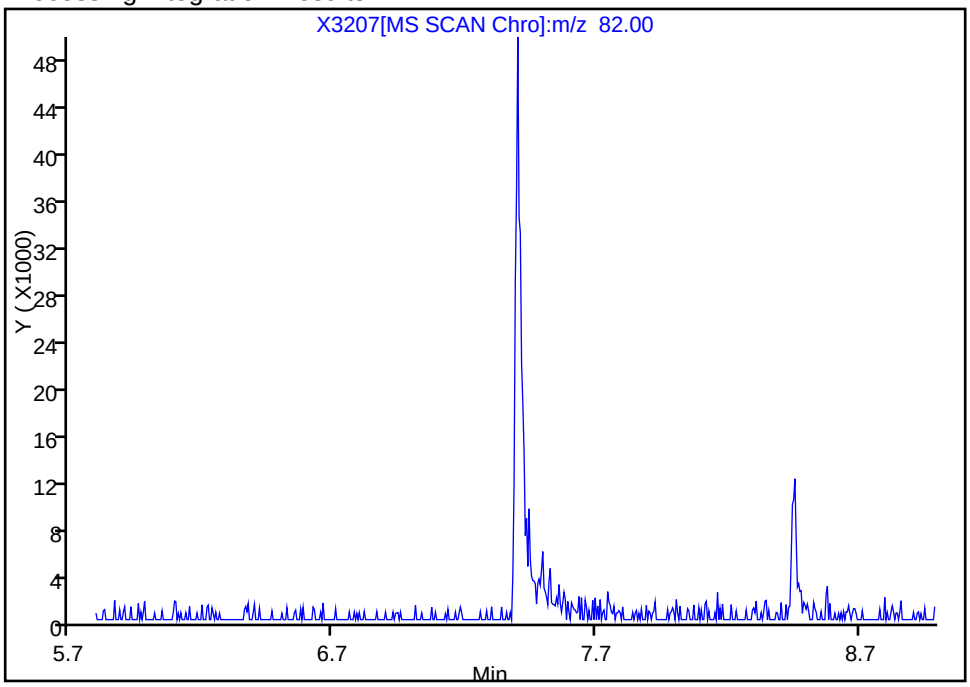
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3207.D		
Injection Date:	20-Dec-2012 17:24:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-519-8.0/10-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	17
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

$ 9 Nitrobenzene-d5, Signal: 1, m/z: 82.0 Type: quant, RT: 7.39

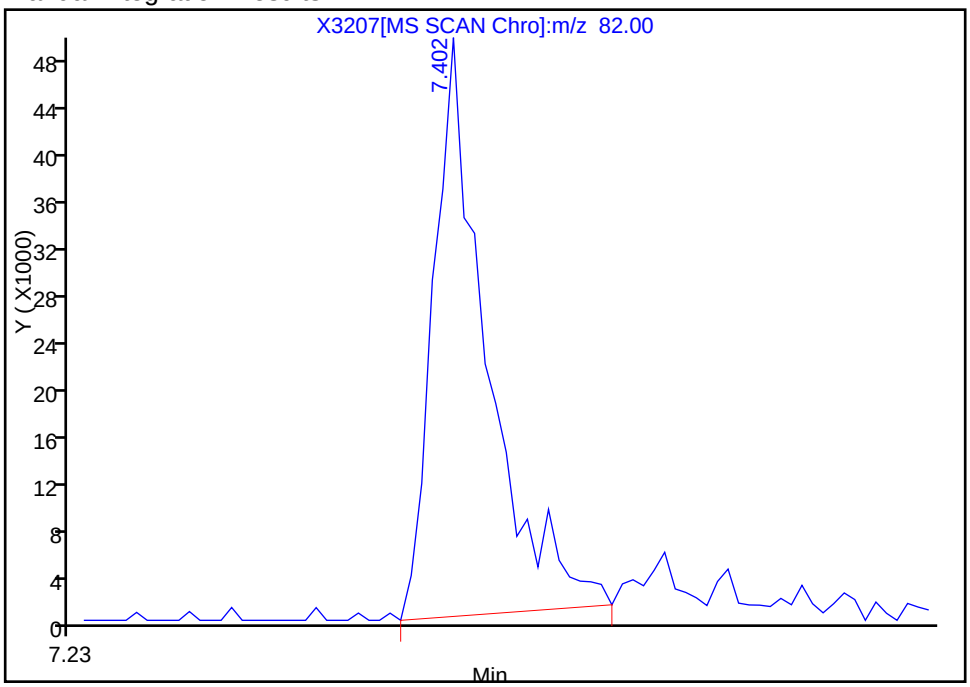
Processing Integration Results

Not Detected
Expected RT: 7.39



Manual Integration Results

RT: 7.40
Response: 81436
Amount: 1.847775



Reviewer: mckernar, 21-Dec-2012 09:04:40
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

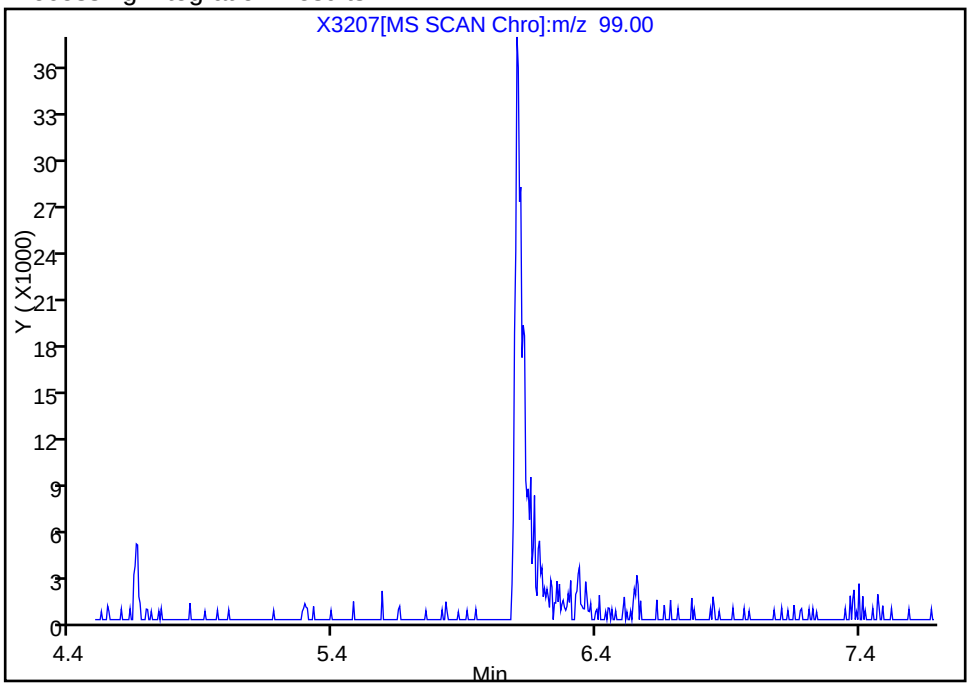
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3207.D		
Injection Date:	20-Dec-2012 17:24:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-519-8.0/10-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	17
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

$ 8 Phenol-d5, Signal: 1, m/z: 99.0 Type: quant, RT: 6.09

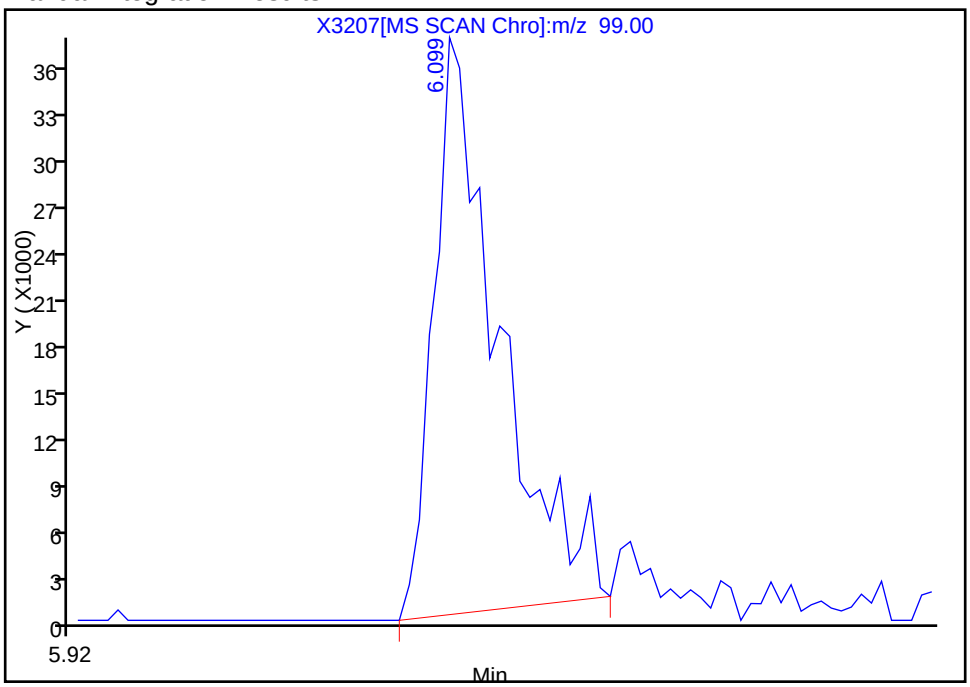
Processing Integration Results

Not Detected
Expected RT: 6.09



Manual Integration Results

RT: 6.10
Response: 79601
Amount: 1.774028



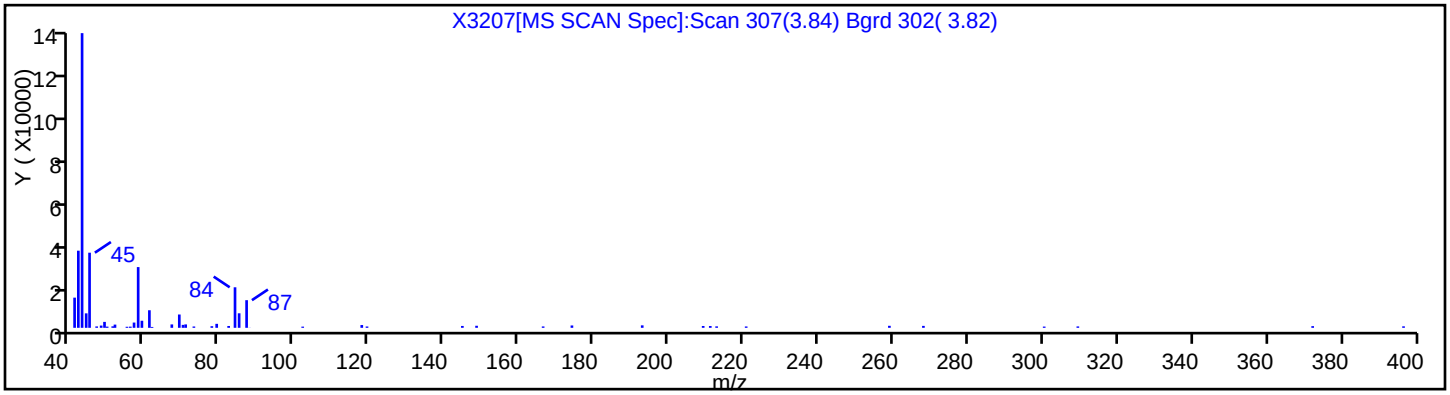
Reviewer: mckernar, 21-Dec-2012 09:04:40
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 09-Mar-2013 10:14:54 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3207.D		
Injection Date:	20-Dec-2012 17:24:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-519-8.0/10-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	17
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85

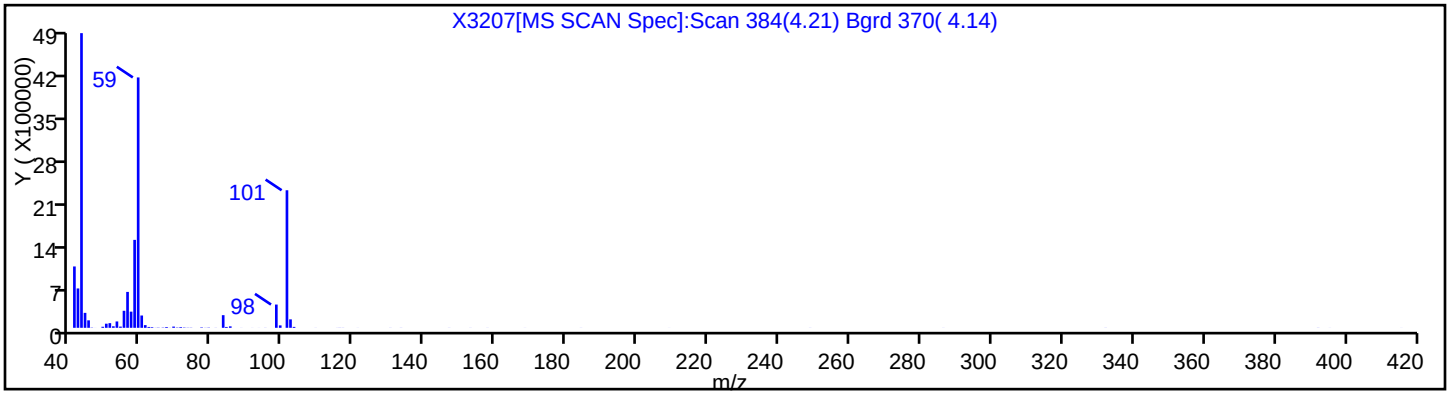


Report Date: 09-Mar-2013 10:14:54 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3207.D		
Injection Date:	20-Dec-2012 17:24:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-519-8.0/10-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	17
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85

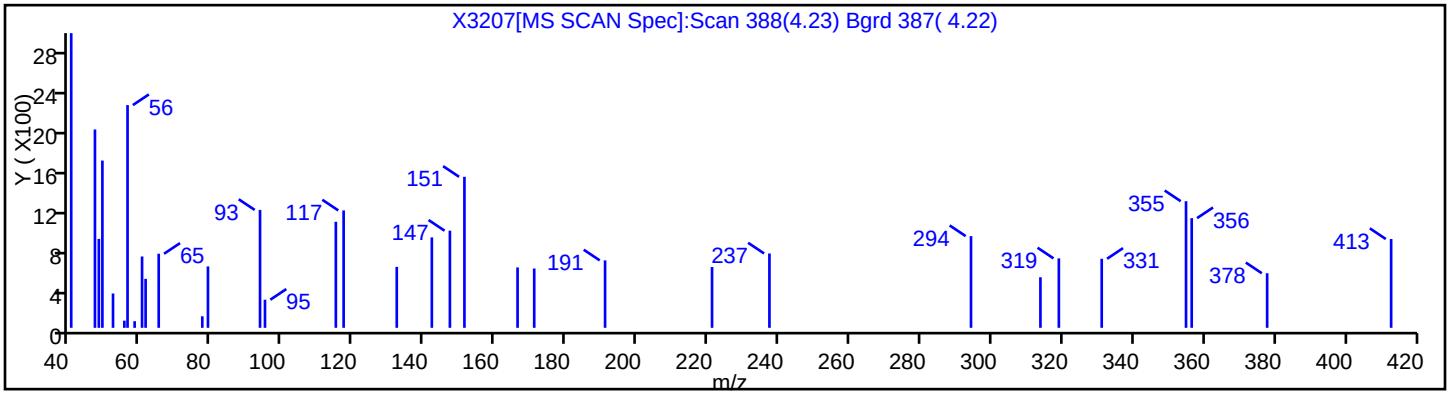


Report Date: 09-Mar-2013 10:14:54 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3207.D		
Injection Date:	20-Dec-2012 17:24:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-519-8.0/10-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	17
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85

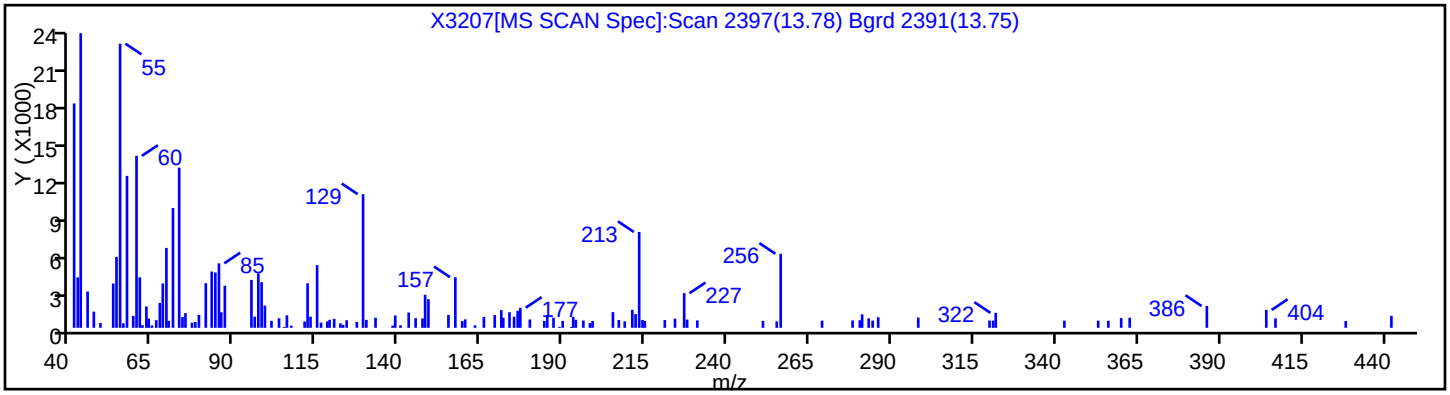


Report Date: 09-Mar-2013 10:14:54 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3207.D		
Injection Date:	20-Dec-2012 17:24:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-519-8.0/10-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	17
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85

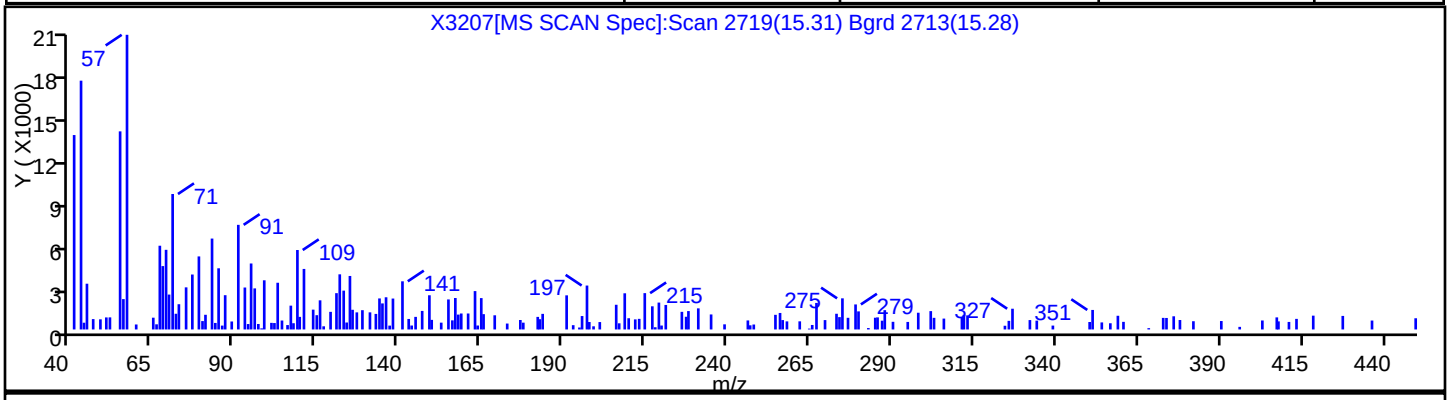


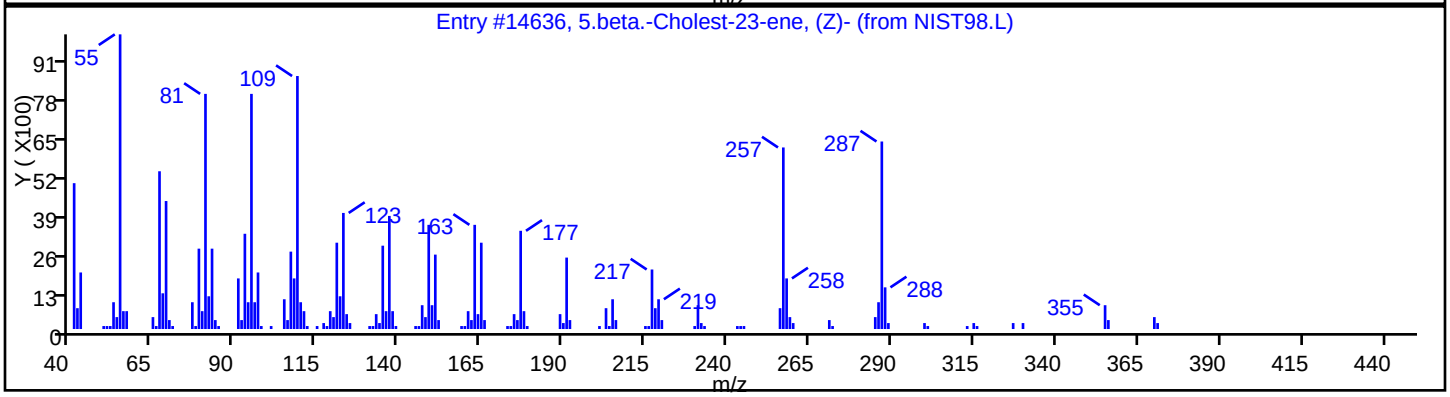
Report Date: 09-Mar-2013 10:14:54 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3207.D		
Injection Date:	20-Dec-2012 17:24:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-519-8.0/10-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	17
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
5.beta.-Cholest-23-ene, (Z)-	14949-12-3	NIST98.L	14636	93



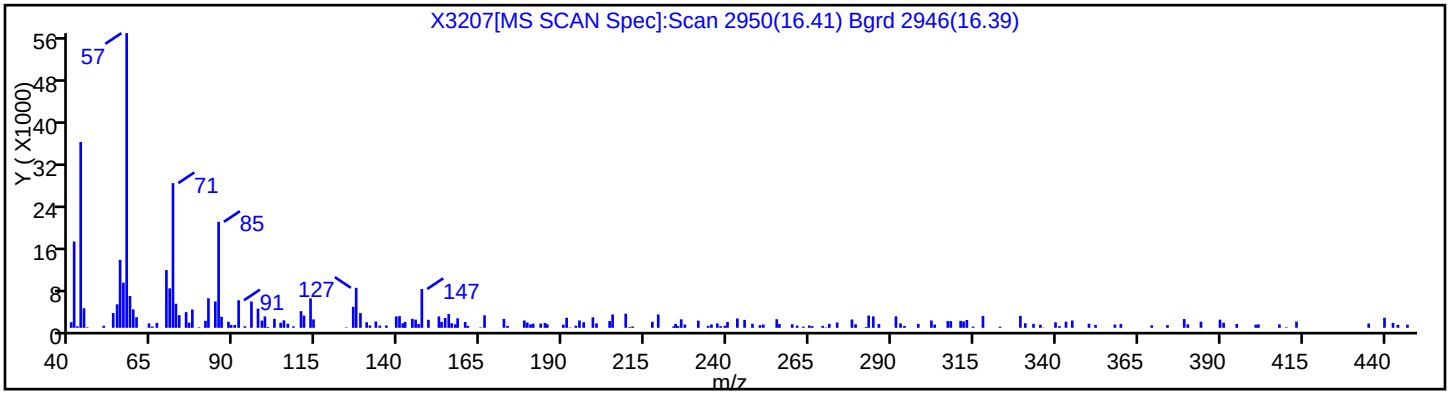


Report Date: 09-Mar-2013 10:14:54 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3207.D		
Injection Date:	20-Dec-2012 17:24:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-519-8.0/10-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	17
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85

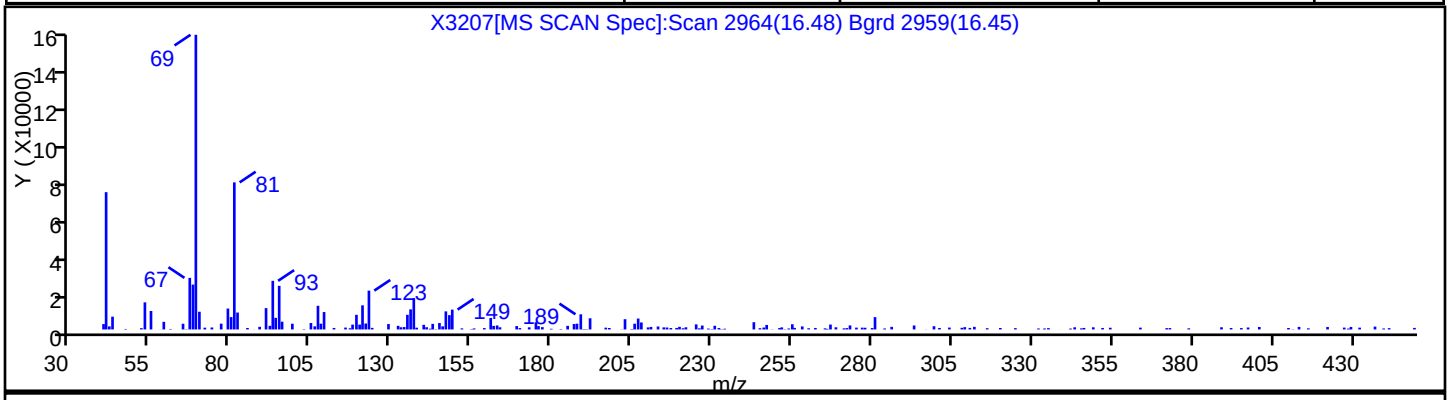


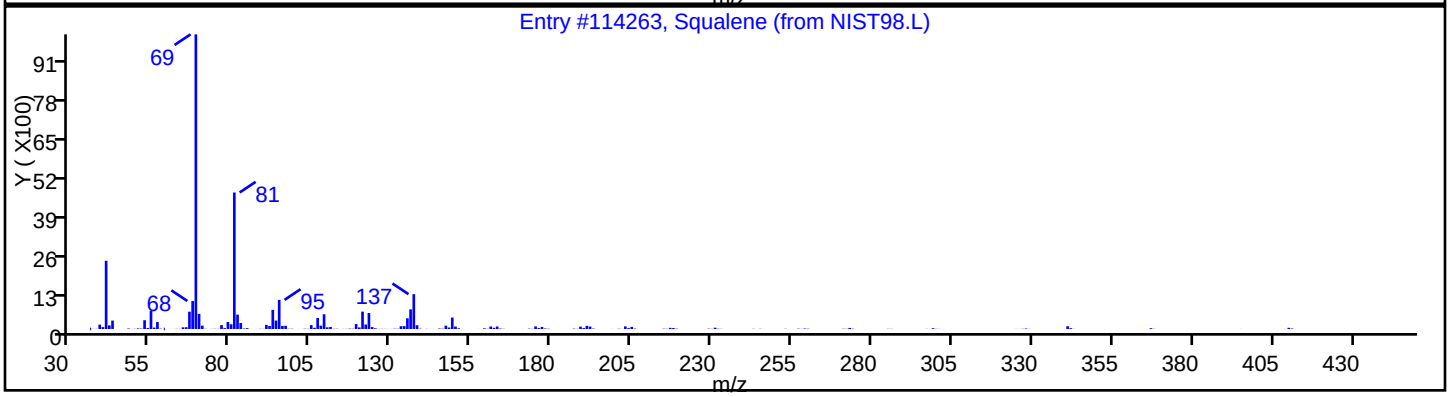
Report Date: 09-Mar-2013 10:14:54 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3207.D		
Injection Date:	20-Dec-2012 17:24:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-519-8.0/10-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	17
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Squalene	7683-64-9	NIST98.L	114263	94



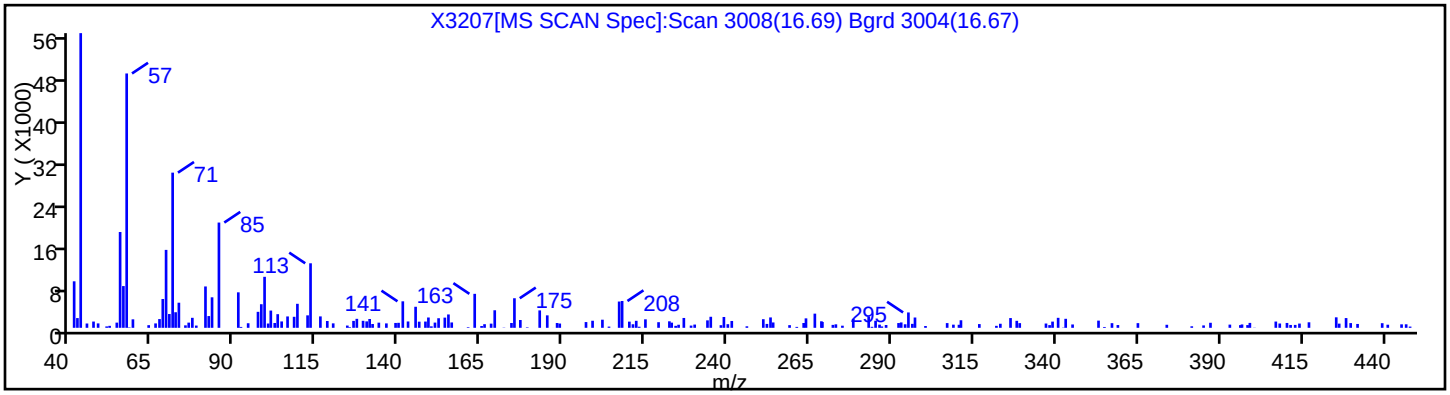


Report Date: 09-Mar-2013 10:14:54 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3207.D		
Injection Date:	20-Dec-2012 17:24:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-519-8.0/10-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	17
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85

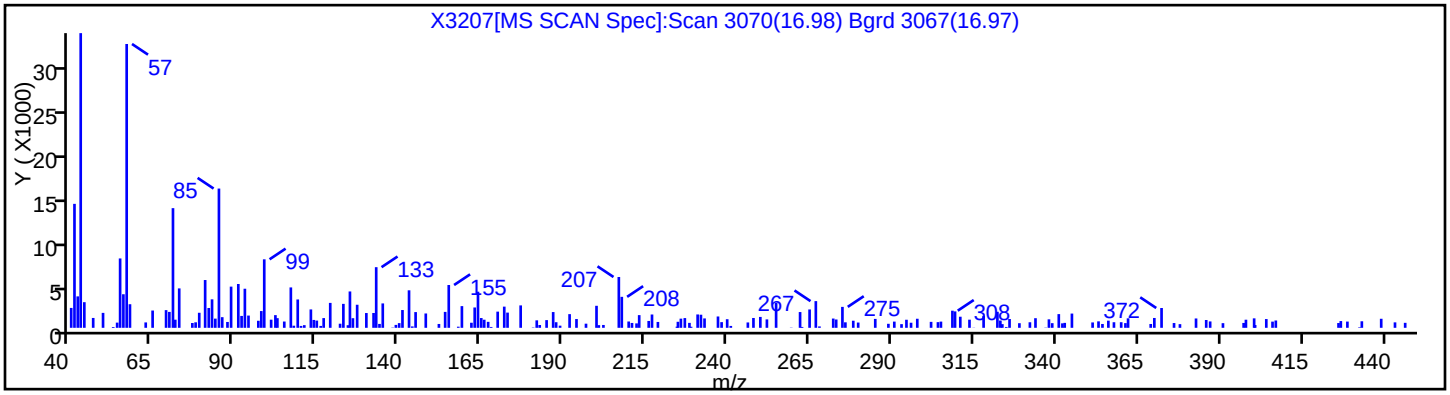


Report Date: 09-Mar-2013 10:14:54 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3207.D		
Injection Date:	20-Dec-2012 17:24:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-519-8.0/10-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	17
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30346-1

SDG No.:

Client Sample ID: OC-SB-519-12/14-XXX | Lab Sample ID: 480-30346-6

Matrix: Solid | Lab File ID: X3208.D

Analysis Method: 8270D | Date Collected: 12/14/2012 09:40

Extract. Method: 3546 | Date Extracted: 12/19/2012 09:30

Sample wt/vol: 000030.6(g) | Date Analyzed: 12/20/2012 17:49

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 21.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 96803 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
117-81-7	Bis(2-ethylhexyl) phthalate	ND		210	84
95-95-4	2,4,5-Trichlorophenol	ND		42	14
62-53-3	Aniline	ND		42	13
67-72-1	Hexachloroethane	ND		42	13
131-11-3	Dimethyl phthalate	ND		42	13
105-67-9	2,4-Dimethylphenol	ND		42	13
78-59-1	Isophorone	ND		42	13
86-73-7	Fluorene	ND		42	13
132-64-9	Dibenzofuran	ND		42	13
208-96-8	Acenaphthylene	ND		42	13
120-83-2	2,4-Dichlorophenol	ND		42	13
191-24-2	Benzo[g,h,i]perylene	ND		42	13
118-74-1	Hexachlorobenzene	ND		42	13
117-84-0	Di-n-octyl phthalate	ND		42	13
87-68-3	Hexachlorobutadiene	ND		42	13
85-01-8	Phenanthrene	ND		42	13
88-75-5	2-Nitrophenol	ND		42	16
207-08-9	Benzo[k]fluoranthene	ND		42	21
51-28-5	2,4-Dinitrophenol	ND	*	42	34
120-12-7	Anthracene	ND		42	13
91-57-6	2-Methylnaphthalene	ND		42	13
84-74-2	Di-n-butyl phthalate	ND		210	63
120-82-1	1,2,4-Trichlorobenzene	ND		42	13
129-00-0	Pyrene	ND		42	13
121-14-2	2,4-Dinitrotoluene	ND		42	13
53-70-3	Dibenz(a,h)anthracene	ND		42	13
541-73-1	1,3-Dichlorobenzene	ND		42	13
98-95-3	Nitrobenzene	ND		42	13
91-20-3	Naphthalene	ND		42	13
88-06-2	2,4,6-Trichlorophenol	ND		42	18
87-86-5	Pentachlorophenol	ND		42	13
206-44-0	Fluoranthene	ND		42	13
91-94-1	3,3'-Dichlorobenzidine	ND		84	15
101-55-3	4-Bromophenyl phenyl ether	ND		42	13

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30346-1

SDG No.:

Client Sample ID: OC-SB-519-12/14-XXX | Lab Sample ID: 480-30346-6

Matrix: Solid | Lab File ID: X3208.D

Analysis Method: 8270D | Date Collected: 12/14/2012 09:40

Extract. Method: 3546 | Date Extracted: 12/19/2012 09:30

Sample wt/vol: 000030.6(g) | Date Analyzed: 12/20/2012 17:49

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 21.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 96803 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
84-66-2	Diethyl phthalate	ND		42	14
95-48-7	2-Methylphenol	ND		42	13
95-50-1	1,2-Dichlorobenzene	ND		42	13
108-60-1	2,2'-oxybis[1-chloropropane]	ND		42	13
98-86-2	Acetophenone	ND		42	13
111-44-4	Bis(2-chloroethyl)ether	ND		42	13
56-55-3	Benzo[a]anthracene	ND		42	13
193-39-5	Indeno[1,2,3-cd]pyrene	ND		42	13
85-68-7	Butyl benzyl phthalate	ND		42	13
218-01-9	Chrysene	ND		42	13
83-32-9	Acenaphthene	ND		42	13
205-99-2	Benzo[b]fluoranthene	ND		42	13
100-02-7	4-Nitrophenol	ND	*	210	18
106-47-8	4-Chloroaniline	ND		84	38
95-57-8	2-Chlorophenol	ND		42	13
606-20-2	2,6-Dinitrotoluene	ND		42	35
108-95-2	Phenol	ND		42	13
15831-10-4	3 & 4 Methylphenol	ND		42	13
106-46-7	1,4-Dichlorobenzene	ND		42	13
111-91-1	Bis(2-chloroethoxy)methane	ND		42	13
91-58-7	2-Chloronaphthalene	ND		42	13
621-64-7	N-Nitrosodi-n-propylamine	ND		42	13
7005-72-3	4-Chlorophenyl phenyl ether	ND		42	13
59-50-7	4-Chloro-3-methylphenol	ND		84	13
50-32-8	Benzo[a]pyrene	ND		42	13
106-44-5	4-Methylphenol	ND		42	13
100-01-6	4-Nitroaniline	ND		210	35
88-74-4	2-Nitroaniline	ND		210	53
105-60-2	Caprolactam	ND		42	13
86-74-8	Carbazole	ND		42	13
534-52-1	4,6-Dinitro-2-methylphenol	ND		210	40
90-12-0	1-Methylnaphthalene	ND		42	13
86-30-6	N-Nitrosodiphenylamine	ND		42	13
1912-24-9	Atrazine	ND		42	13

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30346-1

SDG No.:

Client Sample ID: OC-SB-519-12/14-XXX | Lab Sample ID: 480-30346-6

Matrix: Solid | Lab File ID: X3208.D

Analysis Method: 8270D | Date Collected: 12/14/2012 09:40

Extract. Method: 3546 | Date Extracted: 12/19/2012 09:30

Sample wt/vol: 000030.6(g) | Date Analyzed: 12/20/2012 17:49

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 21.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 96803 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
101-84-8	Phenyl ether	ND		42	13
100-52-7	Benzaldehyde	ND		42	13
103-33-3	Azobenzene	ND	*	42	13
77-47-4	Hexachlorocyclopentadiene	ND		84	13
99-09-2	3-Nitroaniline	ND		210	13
62-75-9	N-Nitrosodimethylamine	ND		42	13
100-51-6	Benzyl alcohol	ND		84	13
92-52-4	1,1'-Biphenyl	ND		42	13
58-90-2	2,3,4,6-Tetrachlorophenol	ND		42	13
119-61-9	Benzophenone	ND		42	13
65-85-0	Benzoic acid	ND		210	19
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		42	13

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	114		30-130
367-12-4	2-Fluorophenol	85		30-130
4165-60-0	Nitrobenzene-d5	73		30-130
4165-62-2	Phenol-d5	76		30-130
321-60-8	2-Fluorobiphenyl	107		30-130
1718-51-0	p-Terphenyl-d14	77		30-130

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Buffalo | Job No.: 480-30346-1

SDG No.:

Client Sample ID: OC-SB-519-12/14-XXX | Lab Sample ID: 480-30346-6

Matrix: Solid | Lab File ID: X3208.D

Analysis Method: 8270D | Date Collected: 12/14/2012 09:40

Extract. Method: 3546 | Date Extracted: 12/19/2012 09:30

Sample wt/vol: 000030.6(g) | Date Analyzed: 12/20/2012 17:49

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 21.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 96803 | Units: ug/Kg

Number TICs Found: 10 | TIC Result Total: 6975

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	3.85	77	T J
	Unknown	4.22	6200	T J
	Unknown	4.24	40	T J
	Unknown	6.34	31	T J
	Unknown	13.77	29	T J
	Unknown	16.13	32	T J
	Unknown	16.40	190	T J
7683-64-9	Squalene	16.47	230	T J N
	Unknown	16.68	55	T J
	Unknown	16.99	91	T J

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3208.D		
Lims ID:	480-30346-B-6-A	Client ID:	OC-SB-519-12/14-XXX
Inject. Date:	20-Dec-2012 17:49:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-0017736-018		
Misc. Info.:			
Operator:	ANM	Instrument ID:	HP5973X
Injection Vol:	1.0 ul	ALS Bottle#:	20
Lims Batch ID:	96803	Lims Sample ID:	18
Detector:	MS SCAN		

Method:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X-8270LL.m		
Last Update:	09-Mar-2013 10:14:49	Calib Date:	18-Dec-2012 14:44:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3139.D		
Limit Group:	MB - 8270RCP_MCP ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm
Process Host:	XAWRK034		

First Level Reviewer: mckernar Date: 21-Dec-2012 09:05:39

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.565	6.570	-0.005	84	195781	5.00	
* 2 Naphthalene-d8	136	8.463	8.439	0.024	98	733226	5.00	
* 3 Acenaphthene-d10	164	11.102	11.064	0.038	85	399402	5.00	
* 4 Phenanthrene-d10	188	13.118	13.080	0.038	97	590381	5.00	
* 5 Chrysene-d12	240	15.753	15.734	0.019	94	545221	5.00	
* 6 Perylene-d12	264	17.037	17.013	0.024	97	380222	5.00	s
$ 7 2-Fluorophenol	112	4.691	4.682	0.009	1	75517	1.70	
$ 8 Phenol-d5	99	6.109	6.090	0.019	80	82127	1.52	M
$ 9 Nitrobenzene-d5	82	7.407	7.393	0.014	83	80435	1.46	
$ 10 2-Fluorobiphenyl	172	10.118	10.075	0.043	91	215447	2.15	M
$ 11 2,4,6-Tribromophenol	330	12.296	12.229	0.067	0	24716	2.28	M
$ 12 p-Terphenyl-d14	244	14.783	14.759	0.024	94	162132	1.54	
19 N-Nitrosodimethylamine	42		2.766					14
21 Benzaldehyde	77		5.938					
23 Aniline	93		6.104					
22 Phenol	94		6.109					9
24 Bis(2-chloroethyl)ether	93		6.204					
25 2-Chlorophenol	128		6.270					19
26 1,3-Dichlorobenzene	146		6.484					9
27 1,4-Dichlorobenzene	146		6.594					9
29 1,2-Dichlorobenzene	146		6.813					
28 Benzyl alcohol	108		6.813					
31 2-Methylphenol	108		6.993					9
32 2,2'-oxybis[1-chloropropane]	45		6.998					9
33 Acetophenone	105		7.174					
35 DFTPP								
34 N-Nitrosodi-n-propylamine	70		7.183					2
36 4-Methylphenol	108		7.231					9
37 Hexachloroethane	117		7.298					1
38 Nitrobenzene	77		7.421					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
40 Isophorone	82		7.778					9
41 2-Nitrophenol	139		7.892					19
43 2,4-Dimethylphenol	107		8.001					
45 Bis(2-chloroethoxy)methane	93		8.125					
44 Benzoic acid	105		8.177					
47 2,4-Dichlorophenol	162		8.277					
48 1,2,4-Trichlorobenzene	180		8.363					
49 Naphthalene	128		8.472					
51 4-Chloroaniline	127		8.596					
52 Hexachlorobutadiene	225		8.662					9
54 Caprolactam	113		9.129					
55 4-Chloro-3-methylphenol	107		9.385					19
56 2-Methylnaphthalene	142		9.509					9
57 1-Methylnaphthalene	142		9.656					14
58 Hexachlorocyclopentadiene	237		9.742					
59 1,2,4,5-Tetrachlorobenzene	216		9.761					
60 2,4,6-Trichlorophenol	196		9.970					19
61 2,4,5-Trichlorophenol	196		10.056					
62 1,1'-Biphenyl	154	10.274	10.218	0.056	25	3185	0.0276	
63 2-Chloronaphthalene	162		10.265					
64 Phenyl ether	170	10.431	10.384	0.047	63	8054	0.1282	
65 2-Nitroaniline	65		10.436					149
67 Dimethyl phthalate	163		10.722					9
68 2,6-Dinitrotoluene	165		10.807					
69 Acenaphthylene	152		10.850					
70 3-Nitroaniline	138		11.069					
71 Acenaphthene	153		11.112					
72 2,4-Dinitrophenol	184		11.240					19
73 Dibenzofuran	168		11.378					19
74 2,4-Dinitrotoluene	165		11.416					
75 4-Nitrophenol	109		11.454					1
76 2,3,4,6-Tetrachlorophenol	232		11.597					
78 Diethyl phthalate	149		11.777					9
79 Fluorene	166		11.882					9
80 4-Chlorophenyl phenyl ether	204		11.901					
81 4-Nitroaniline	138		11.982					1
82 4,6-Dinitro-2-methylphenol	198		12.010					
83 N-Nitrosodiphenylamine	169		12.077					
85 Azobenzene	77		12.120					
16 1,2-Diphenylhydrazine	77		12.120					
86 Benzophenone	105		12.144					
89 4-Bromophenyl phenyl ether	248		12.548					
91 Hexachlorobenzene	284		12.610					
93 Atrazine	200		12.800					9
94 Pentachlorophenol	266		12.885					
97 Phenanthrene	178		13.109					
98 Anthracene	178		13.171					9
99 Carbazole	167		13.380					14
102 Di-n-butyl phthalate	149		13.765					
104 Fluoranthene	202		14.388					
106 Pyrene	202		14.607					9
108 Butyl benzyl phthalate	149		15.211					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
109 3,3'-Dichlorobenzidine	252		15.705					
110 Bis(2-ethylhexyl) phthalate	149	15.720	15.710	0.010	92	80314	0.7222	
111 Benzo[a]anthracene	228		15.720					
112 Chrysene	228		15.753					
113 Di-n-octyl phthalate	149		16.248					
114 Benzo[b]fluoranthene	252		16.657					9
115 Benzo[k]fluoranthene	252		16.680					
116 Benzo[a]pyrene	252		16.961					
117 Indeno[1,2,3-cd]pyrene	276		18.107					9
118 Dibenz(a,h)anthracene	278		18.107					
119 Benzo[g,h,i]perylene	276		18.421					
S 120 3 & 4 Methylphenol	108		0.000					

QC Flag Legend

Processing Flags
1 - Missing Peaks
2 - Failed Coelution Test
4 - Failed Signal Ratio Test
9 - Failed A Reference Spectral Test
s - Failed ISTD Recovery Test

Review Flags
M - Manually Integrated

TestAmerica Buffalo
Tentatively Identified Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3208.D		
Lims ID:	480-30346-B-6-A	Client ID:	OC-SB-519-12/14-XXX
Inject. Date:	20-Dec-2012 17:49:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-0017736-018		
Misc. Info.:			
Operator:	ANM	Instrument ID:	HP5973X
Injection Vol:	1.0 ul	ALS Bottle#:	20
Lims Batch ID:	96803	Lims Sample ID:	18
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X-8270LL.m		
Last Update:	09-Mar-2013 10:14:49	Calib Date:	18-Dec-2012 14:44:30
Tic RT Window:	1.500 -0.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\Bufchrom\ChromData\Database\NIST98.L		
Min. Match:	85		
Process Host:	XAWRK034		
First Level Reviewer: mckernar		Date:	21-Dec-2012 09:05:39

Tentative Identified Compound Results

RT	Response	Amount ng/uL	Quant Cpnd	Qual	Lib Entry	Flags
		Unknown				
3.854	489825	1.84	1			
		Unknown				
4.221	39502304	148.8	1			
		Unknown				
4.240	255775	0.9632	1			
		Unknown				
6.342	197706	0.7445	1			
		Unknown				
13.770	232818	0.6952	4			
		Unknown				
16.133	228485	0.7591	5			
		Unknown				
16.404	964167	4.45	6			
	7683-64-9	Squalene				
16.471	1195731	5.52	6	94	114263	
		Unknown				
16.680	285791	1.32	6			
		Unknown				
16.989	470544	2.17	6			

Quantitation Compounds

Compound	RT	Response	Amount ng/uL

Report Date: 09-Mar-2013 10:14:55 Chrom Revision: 2.0 01-Feb-2013 10:03:10
Data File: \\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3208.D

Compound	RT	Response	Amount ng/uL
* 1 1,4-Dichlorobenzene-d4	6.565	1327701	5.00
* 4 Phenanthrene-d10	13.118	1674375	5.00
* 5 Chrysene-d12	15.753	1504889	5.00
* 6 Perylene-d12	17.037	1083203	5.00

QC Flag Legend

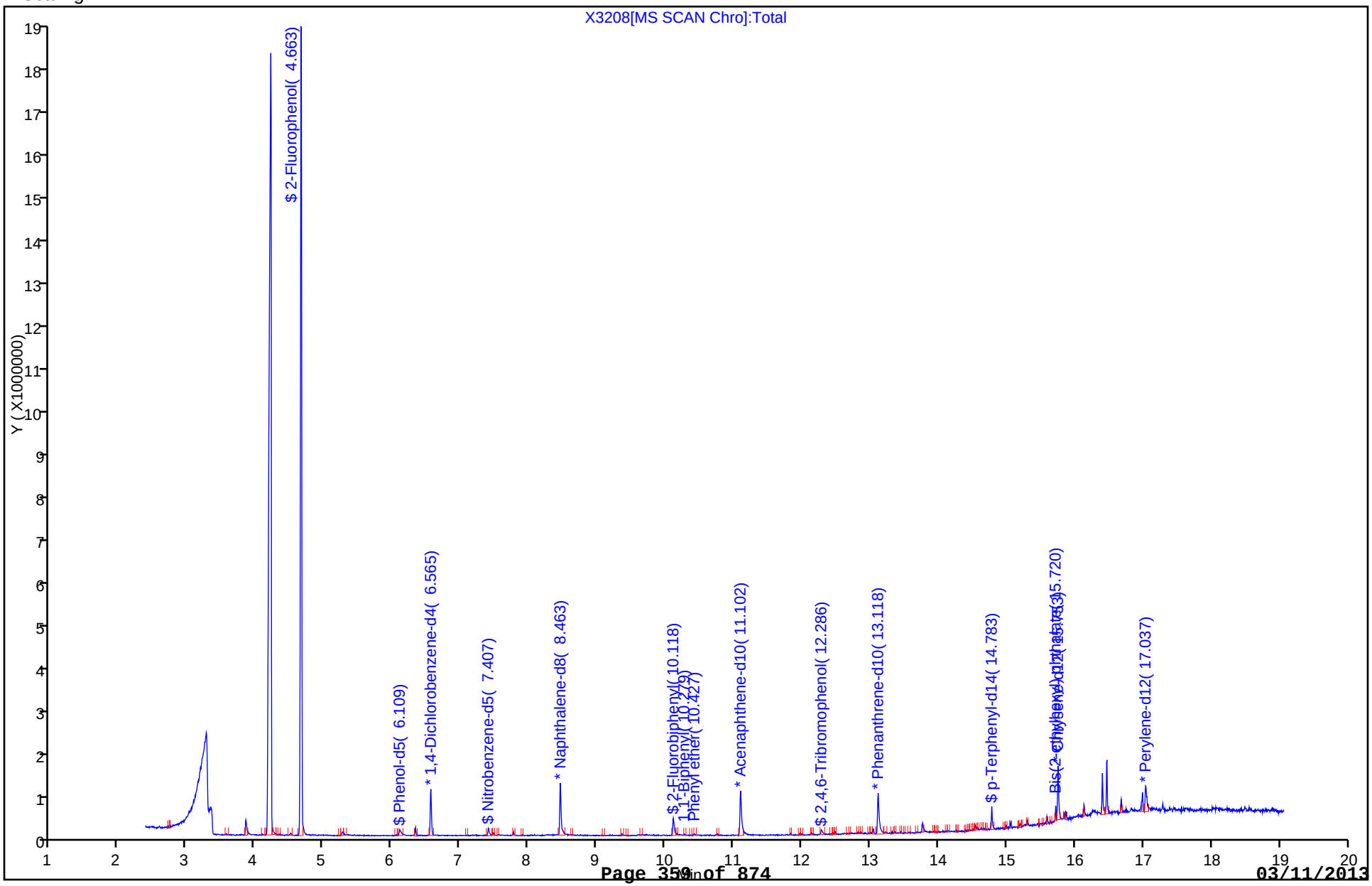
Processing Flags

Report Date: 09-Mar-2013 10:14:55 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3208.D		
Injection Date:	20-Dec-2012 17:49:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-519-12/14-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	18
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:



Manual Integration/User Assign Peak Report

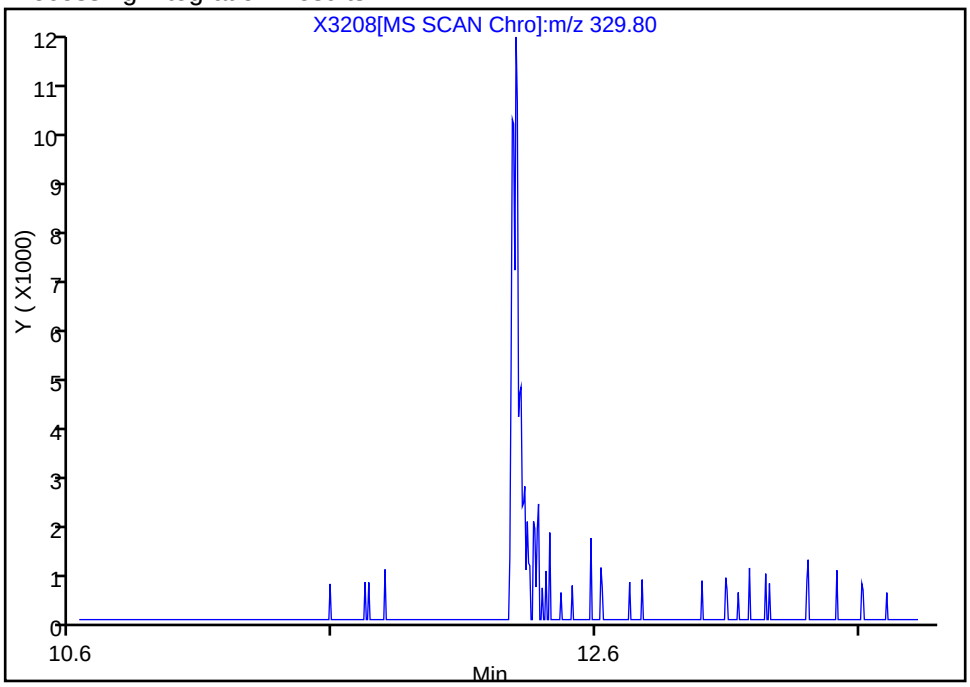
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3208.D		
Injection Date:	20-Dec-2012 17:49:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-519-12/14-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	18
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

$ 11 2,4,6-Tribromophenol, Signal: 1, m/z: 329.8 Type: quant, RT: 12.23

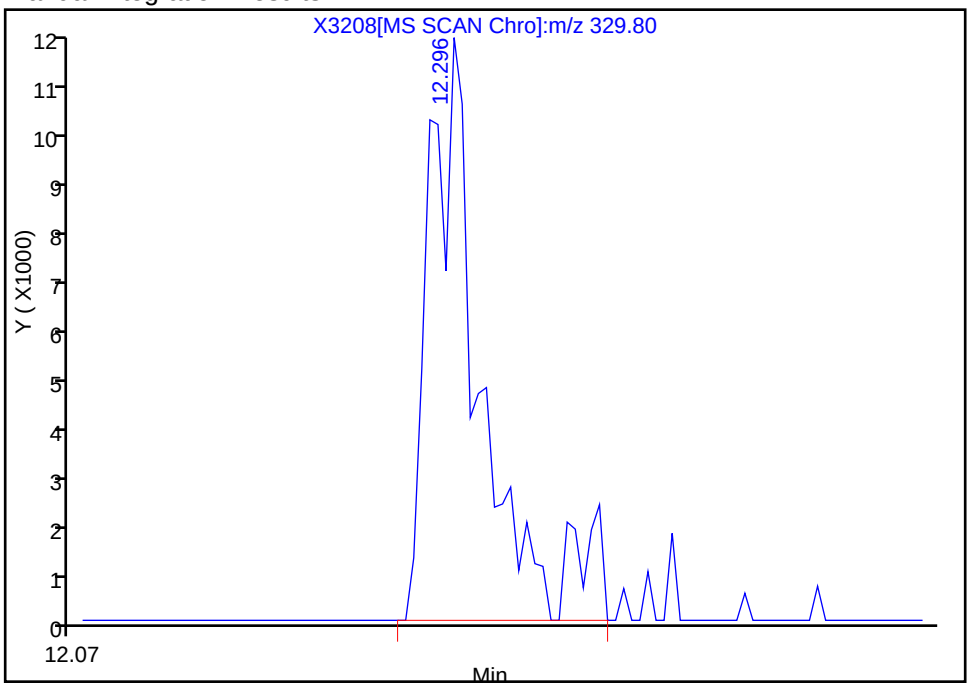
Processing Integration Results

Not Detected
Expected RT: 12.23



Manual Integration Results

RT: 12.30
Response: 24716
Amount: 2.275731



Reviewer: mckernar, 21-Dec-2012 09:05:39
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

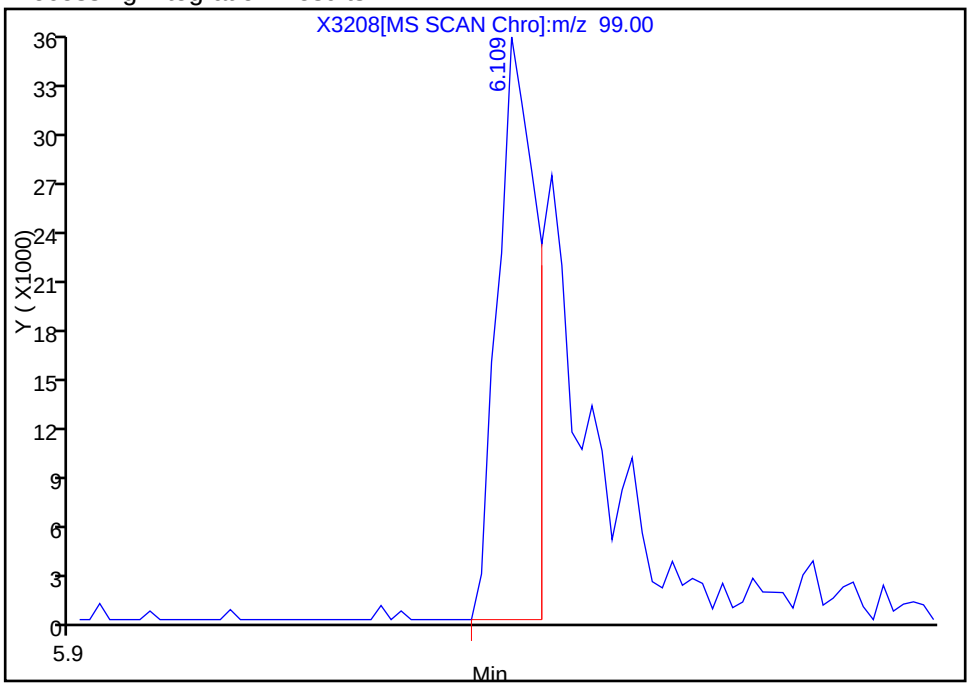
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3208.D		
Injection Date:	20-Dec-2012 17:49:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-519-12/14-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	18
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

$ 8 Phenol-d5, Signal: 1, m/z: 99.0 Type: quant, RT: 6.09

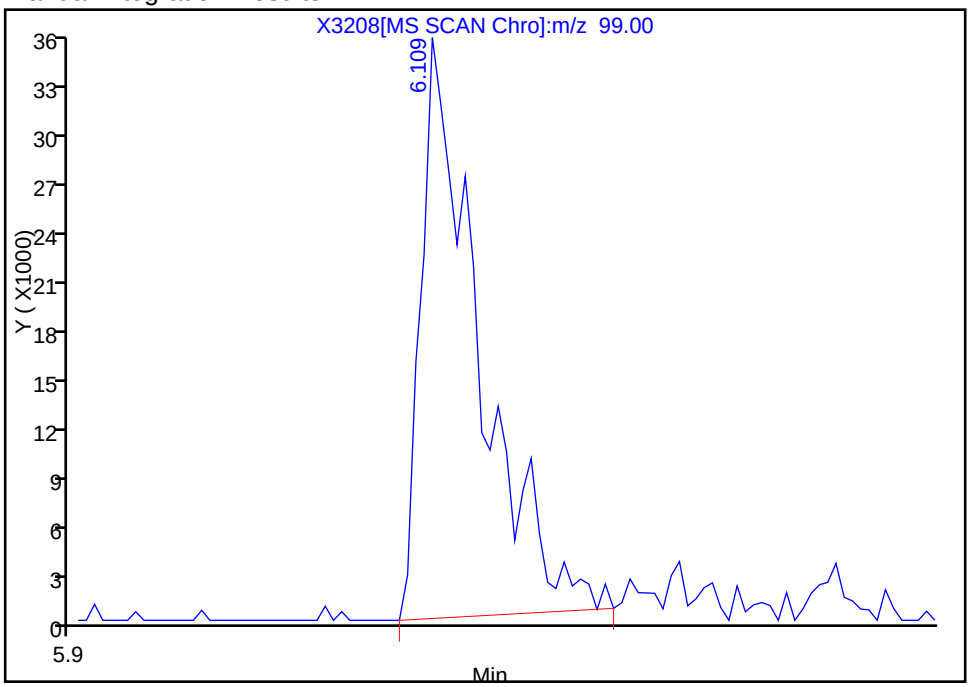
Processing Integration Results

RT: 6.11
Response: 45070
Amount: 0.748204



Manual Integration Results

RT: 6.11
Response: 82127
Amount: 1.518802



Reviewer: mckernar, 21-Dec-2012 09:05:39
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

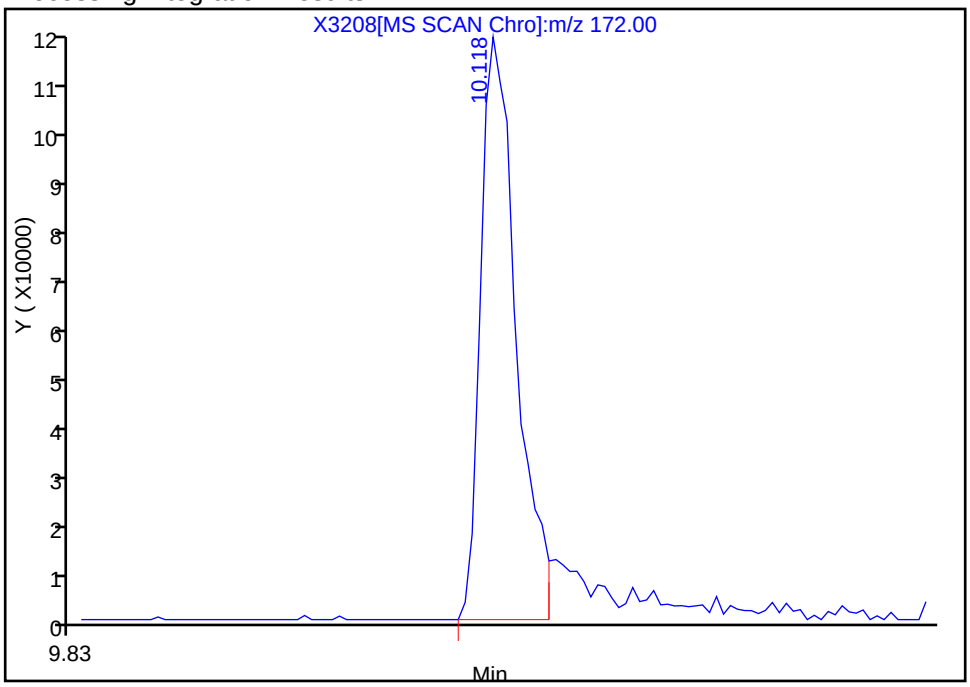
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3208.D		
Injection Date:	20-Dec-2012 17:49:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-519-12/14-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	18
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

$ 10 2-Fluorobiphenyl, Signal: 1, m/z: 172.0 Type: quant, RT: 10.07

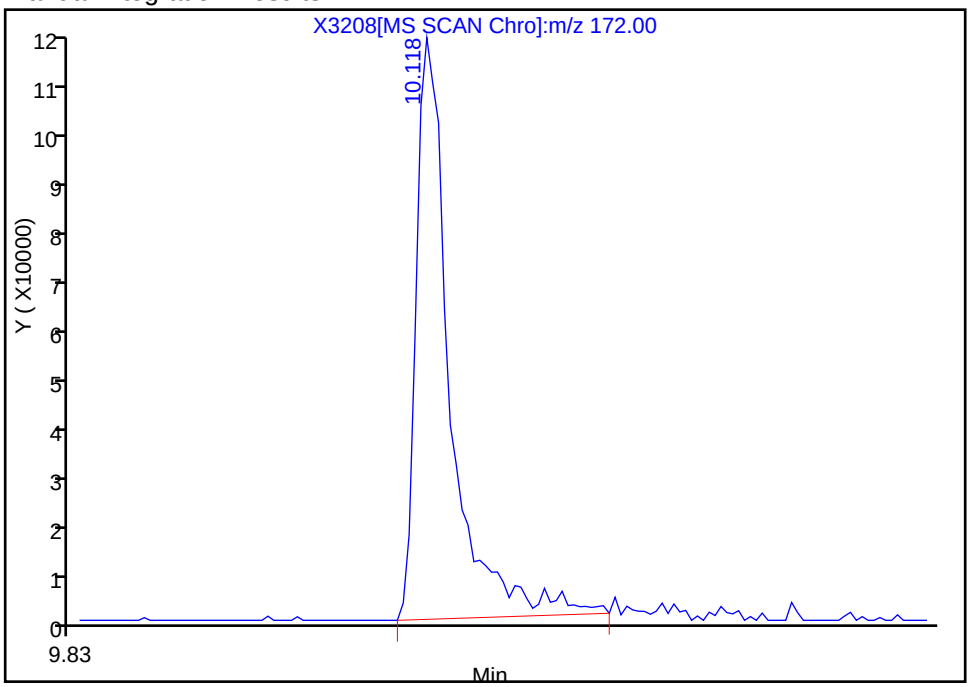
Processing Integration Results

RT: 10.12
Response: 189878
Amount: 1.814567



Manual Integration Results

RT: 10.12
Response: 215447
Amount: 2.149398



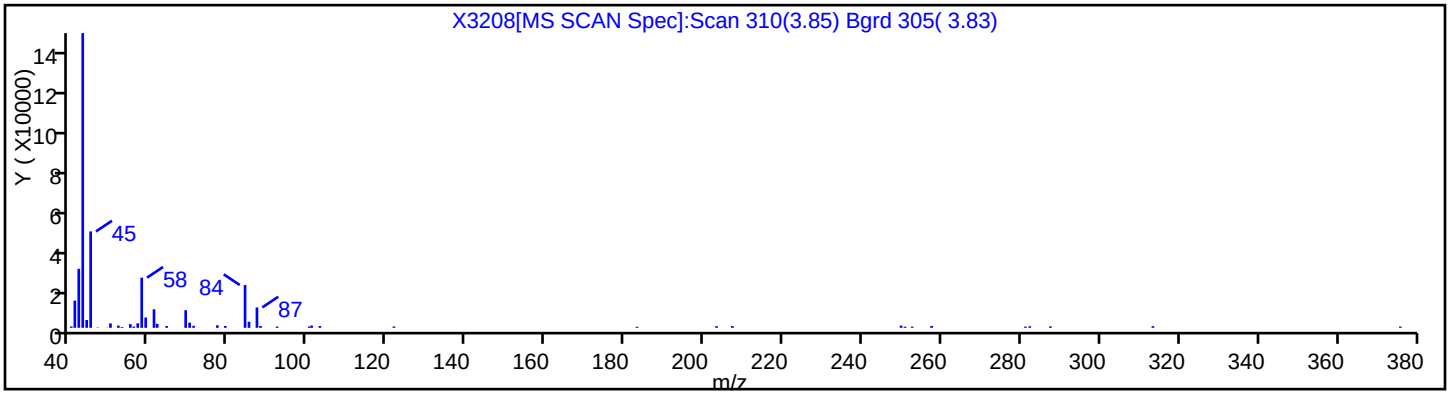
Reviewer: mckernar, 21-Dec-2012 09:05:39
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 09-Mar-2013 10:14:55 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3208.D		
Injection Date:	20-Dec-2012 17:49:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-519-12/14-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	18
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85

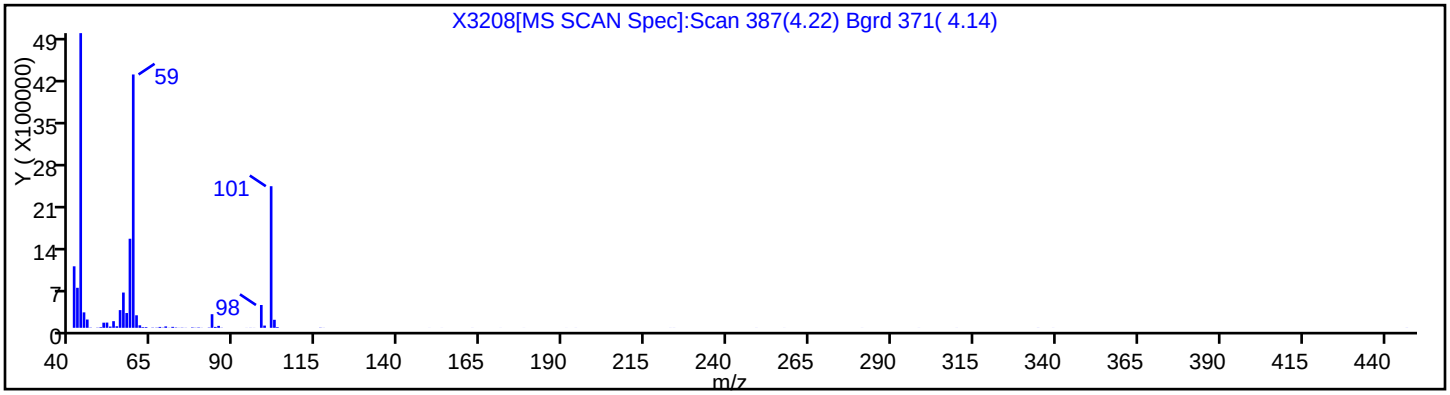


Report Date: 09-Mar-2013 10:14:55 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3208.D		
Injection Date:	20-Dec-2012 17:49:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-519-12/14-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	18
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85

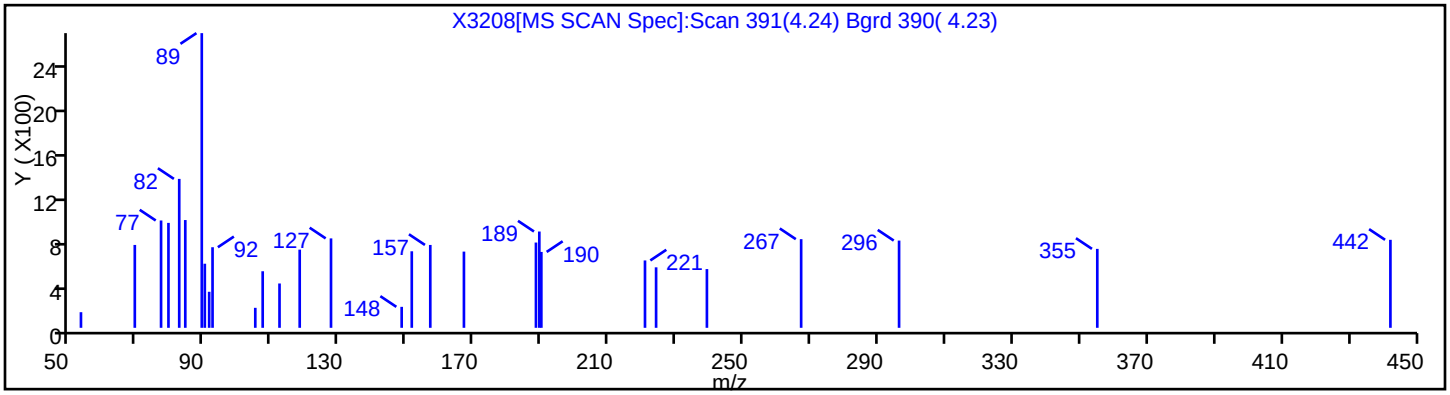


Report Date: 09-Mar-2013 10:14:55 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3208.D		
Injection Date:	20-Dec-2012 17:49:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-519-12/14-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	18
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85

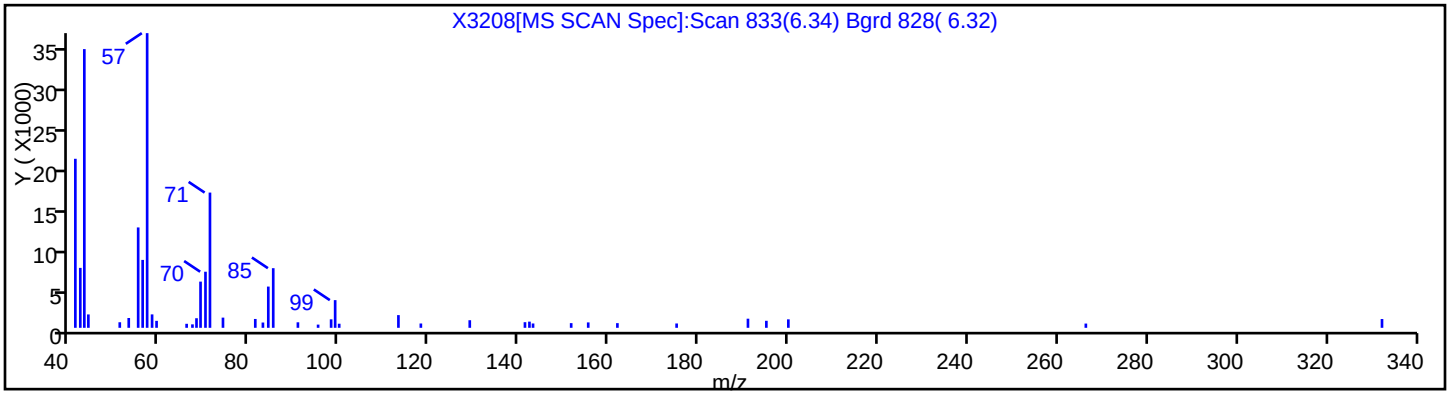


Report Date: 09-Mar-2013 10:14:55 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3208.D		
Injection Date:	20-Dec-2012 17:49:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-519-12/14-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	18
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85

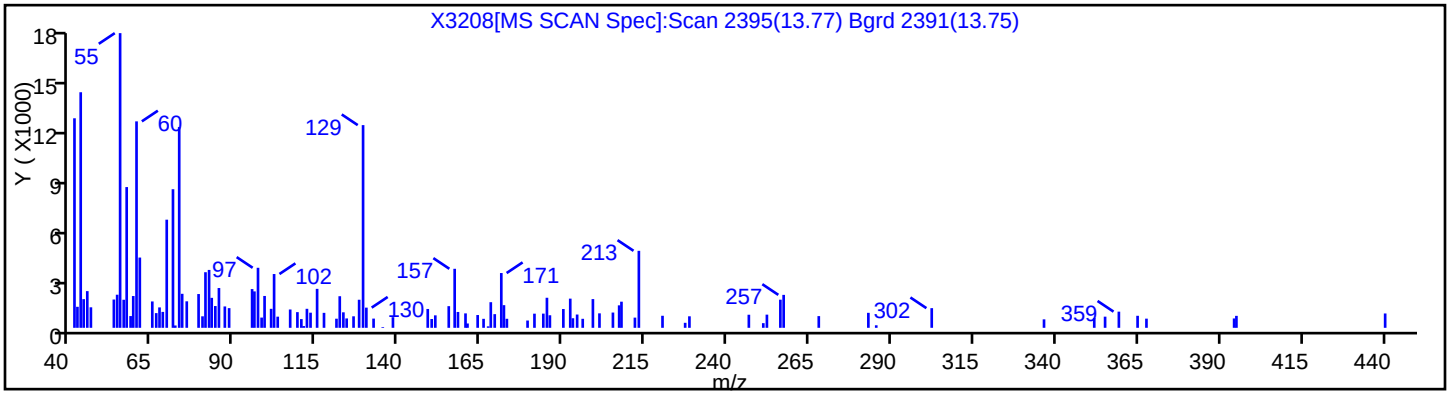


Report Date: 09-Mar-2013 10:14:55 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3208.D		
Injection Date:	20-Dec-2012 17:49:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-519-12/14-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	18
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85

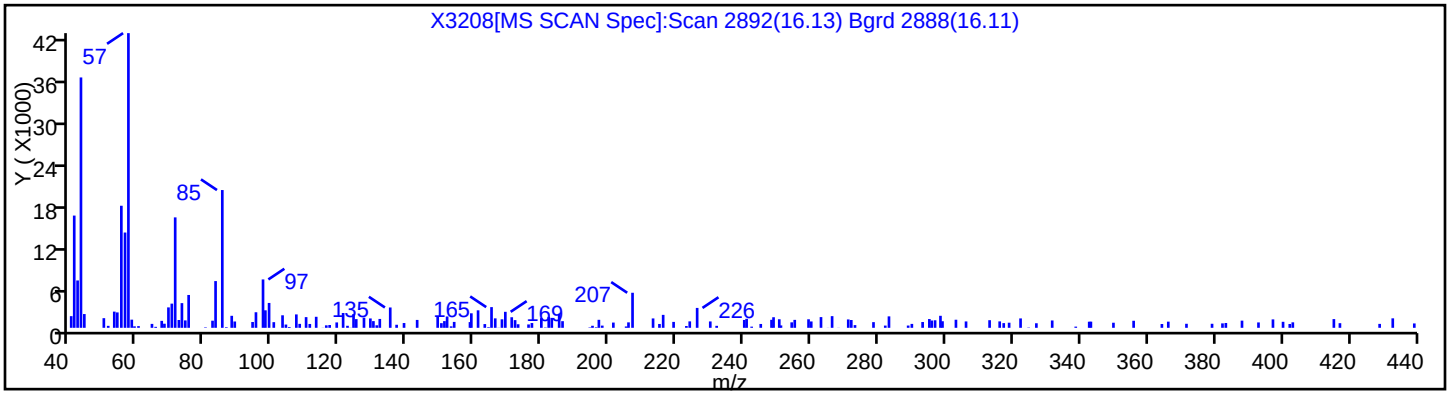


Report Date: 09-Mar-2013 10:14:55 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3208.D		
Injection Date:	20-Dec-2012 17:49:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-519-12/14-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	18
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85

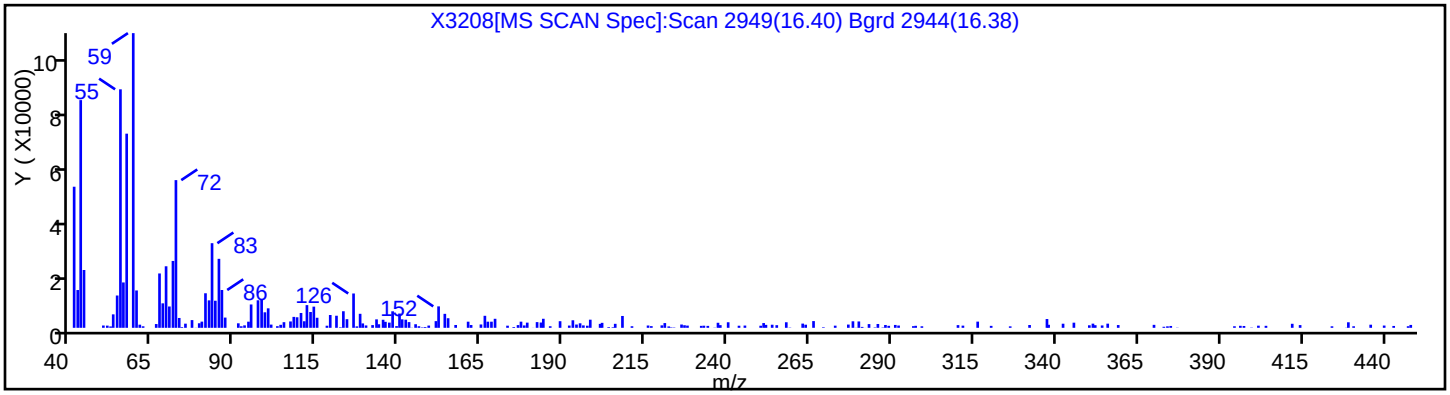


Report Date: 09-Mar-2013 10:14:55 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3208.D		
Injection Date:	20-Dec-2012 17:49:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-519-12/14-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	18
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85

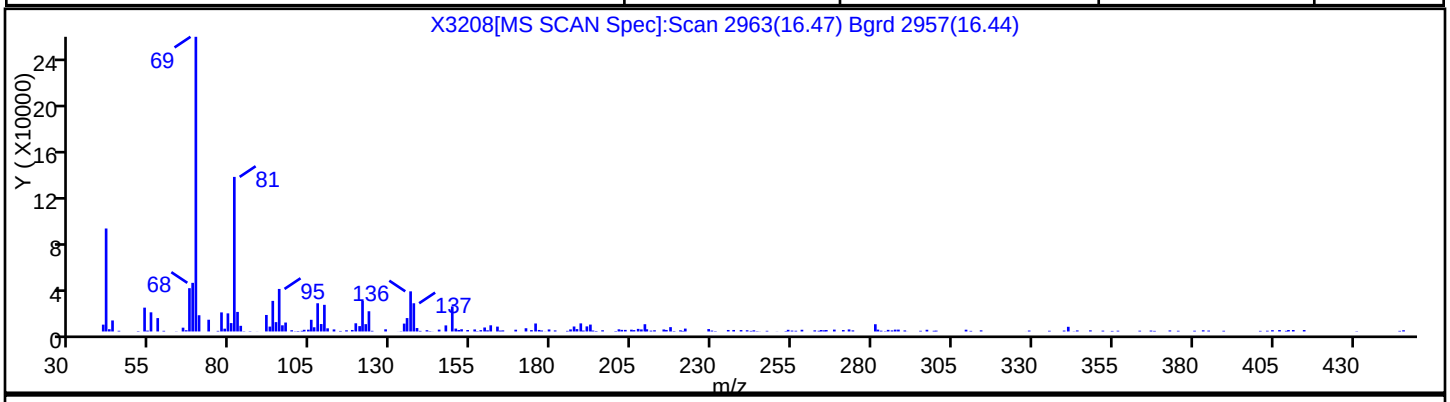


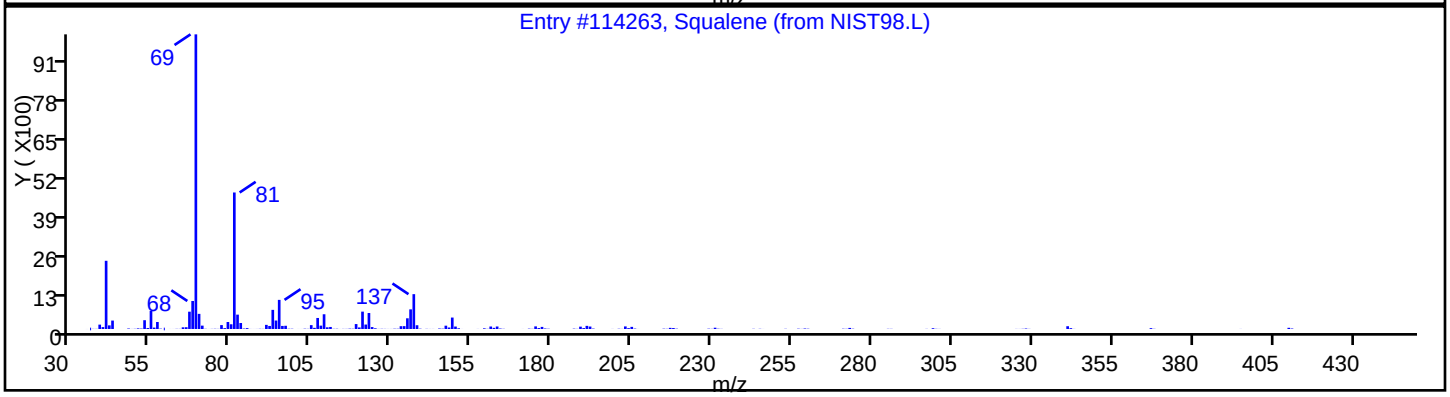
Report Date: 09-Mar-2013 10:14:55 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3208.D		
Injection Date:	20-Dec-2012 17:49:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-519-12/14-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	18
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Squalene	7683-64-9	NIST98.L	114263	94



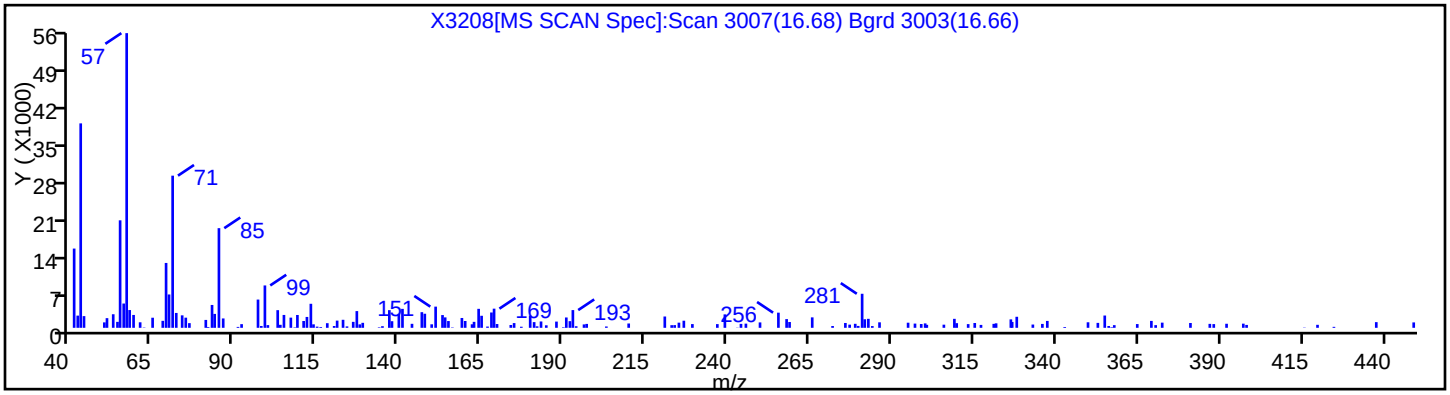


Report Date: 09-Mar-2013 10:14:55 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3208.D		
Injection Date:	20-Dec-2012 17:49:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-519-12/14-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	18
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85

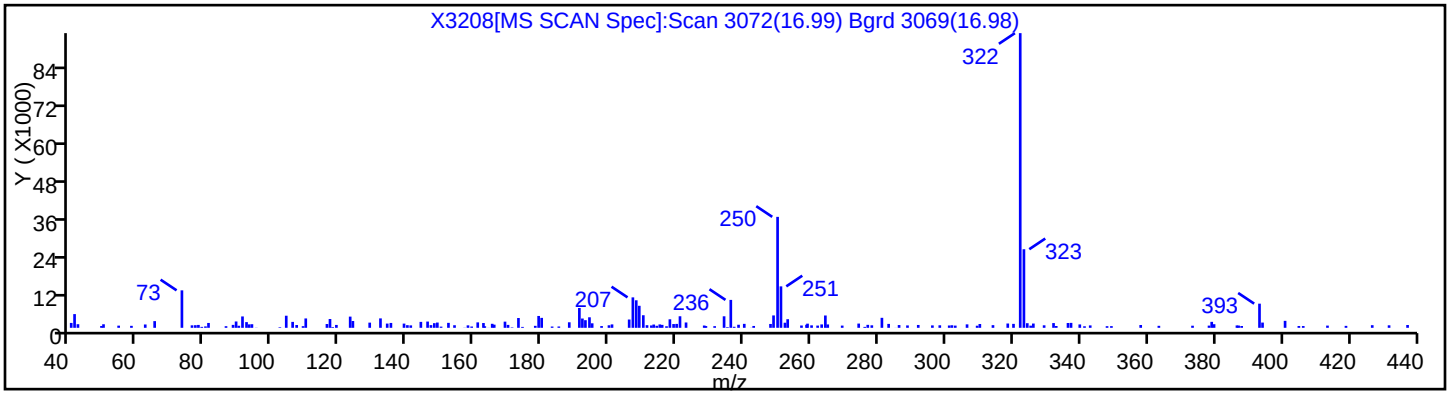


Report Date: 09-Mar-2013 10:14:55 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3208.D		
Injection Date:	20-Dec-2012 17:49:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-519-12/14-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	18
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30346-1

SDG No.:

Client Sample ID: OC-SB-518-0.0/1.0-XXX | Lab Sample ID: 480-30346-7

Matrix: Solid | Lab File ID: X3231.D

Analysis Method: 8270D | Date Collected: 12/14/2012 09:55

Extract. Method: 3546 | Date Extracted: 12/19/2012 09:30

Sample wt/vol: 000030.7(g) | Date Analyzed: 12/21/2012 15:08

Con. Extract Vol.: 1(mL) | Dilution Factor: 500

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 28.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 97046 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
117-81-7	Bis(2-ethylhexyl) phthalate	340000		110000	46000
95-95-4	2,4,5-Trichlorophenol	ND		23000	7500
62-53-3	Aniline	ND		23000	6900
67-72-1	Hexachloroethane	ND		23000	6900
131-11-3	Dimethyl phthalate	ND		23000	6900
105-67-9	2,4-Dimethylphenol	ND		23000	6900
78-59-1	Isophorone	ND		23000	6900
86-73-7	Fluorene	ND		23000	6900
132-64-9	Dibenzofuran	ND		23000	6900
208-96-8	Acenaphthylene	ND		23000	6900
120-83-2	2,4-Dichlorophenol	ND		23000	6900
191-24-2	Benzo[g,h,i]perylene	ND		23000	6900
118-74-1	Hexachlorobenzene	ND		23000	6900
117-84-0	Di-n-octyl phthalate	ND		23000	6900
87-68-3	Hexachlorobutadiene	ND		23000	6900
85-01-8	Phenanthrene	ND		23000	6900
88-75-5	2-Nitrophenol	ND		23000	8900
207-08-9	Benzo[k]fluoranthene	ND		23000	12000
51-28-5	2,4-Dinitrophenol	ND	*	23000	18000
120-12-7	Anthracene	ND		23000	6900
91-57-6	2-Methylnaphthalene	ND		23000	6900
84-74-2	Di-n-butyl phthalate	ND		110000	34000
120-82-1	1,2,4-Trichlorobenzene	ND		23000	6900
129-00-0	Pyrene	ND		23000	6900
121-14-2	2,4-Dinitrotoluene	ND		23000	6900
53-70-3	Dibenz(a,h)anthracene	ND		23000	6900
541-73-1	1,3-Dichlorobenzene	ND		23000	6900
98-95-3	Nitrobenzene	ND		23000	6900
91-20-3	Naphthalene	ND		23000	6900
88-06-2	2,4,6-Trichlorophenol	ND		23000	9600
87-86-5	Pentachlorophenol	ND		23000	6900
206-44-0	Fluoranthene	ND		23000	6900
91-94-1	3,3'-Dichlorobenzidine	ND		46000	8200
101-55-3	4-Bromophenyl phenyl ether	ND		23000	6900

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30346-1

SDG No.:

Client Sample ID: OC-SB-518-0.0/1.0-XXX | Lab Sample ID: 480-30346-7

Matrix: Solid | Lab File ID: X3231.D

Analysis Method: 8270D | Date Collected: 12/14/2012 09:55

Extract. Method: 3546 | Date Extracted: 12/19/2012 09:30

Sample wt/vol: 000030.7(g) | Date Analyzed: 12/21/2012 15:08

Con. Extract Vol.: 1(mL) | Dilution Factor: 500

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 28.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 97046 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
84-66-2	Diethyl phthalate	ND		23000	7500
95-48-7	2-Methylphenol	ND		23000	6900
95-50-1	1,2-Dichlorobenzene	ND		23000	6900
108-60-1	2,2'-oxybis[1-chloropropane]	ND		23000	6900
98-86-2	Acetophenone	ND		23000	6900
111-44-4	Bis(2-chloroethyl)ether	ND		23000	6900
56-55-3	Benzo[a]anthracene	ND		23000	6900
193-39-5	Indeno[1,2,3-cd]pyrene	ND		23000	6900
85-68-7	Butyl benzyl phthalate	ND		23000	6900
218-01-9	Chrysene	ND		23000	6900
83-32-9	Acenaphthene	ND		23000	6900
205-99-2	Benzo[b]fluoranthene	ND		23000	6900
100-02-7	4-Nitrophenol	ND	*	110000	9600
106-47-8	4-Chloroaniline	ND		46000	21000
95-57-8	2-Chlorophenol	ND		23000	6900
606-20-2	2,6-Dinitrotoluene	ND		23000	19000
108-95-2	Phenol	ND		23000	6900
15831-10-4	3 & 4 Methylphenol	ND		23000	6900
106-46-7	1,4-Dichlorobenzene	ND		23000	6900
111-91-1	Bis(2-chloroethoxy)methane	ND		23000	6900
91-58-7	2-Chloronaphthalene	ND		23000	6900
621-64-7	N-Nitrosodi-n-propylamine	ND		23000	6900
7005-72-3	4-Chlorophenyl phenyl ether	ND		23000	6900
59-50-7	4-Chloro-3-methylphenol	ND		46000	6900
50-32-8	Benzo[a]pyrene	ND		23000	6900
106-44-5	4-Methylphenol	ND		23000	6900
100-01-6	4-Nitroaniline	ND		110000	19000
88-74-4	2-Nitroaniline	ND		110000	29000
105-60-2	Caprolactam	ND		23000	6900
86-74-8	Carbazole	ND		23000	6900
534-52-1	4,6-Dinitro-2-methylphenol	ND		110000	22000
90-12-0	1-Methylnaphthalene	ND		23000	6900
86-30-6	N-Nitrosodiphenylamine	ND		23000	6900
1912-24-9	Atrazine	ND		23000	6900

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30346-1

SDG No.:

Client Sample ID: OC-SB-518-0.0/1.0-XXX | Lab Sample ID: 480-30346-7

Matrix: Solid | Lab File ID: X3231.D

Analysis Method: 8270D | Date Collected: 12/14/2012 09:55

Extract. Method: 3546 | Date Extracted: 12/19/2012 09:30

Sample wt/vol: 000030.7(g) | Date Analyzed: 12/21/2012 15:08

Con. Extract Vol.: 1(mL) | Dilution Factor: 500

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 28.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 97046 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
101-84-8	Phenyl ether	ND		23000	6900
100-52-7	Benzaldehyde	ND		23000	6900
103-33-3	Azobenzene	ND	*	23000	6900
77-47-4	Hexachlorocyclopentadiene	ND		46000	6900
99-09-2	3-Nitroaniline	ND		110000	6900
62-75-9	N-Nitrosodimethylamine	ND		23000	6900
100-51-6	Benzyl alcohol	ND		46000	6900
92-52-4	1,1'-Biphenyl	ND		23000	6900
58-90-2	2,3,4,6-Tetrachlorophenol	ND		23000	6900
119-61-9	Benzophenone	ND		23000	6900
65-85-0	Benzoic acid	ND		110000	10000
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		23000	6900

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	0	X	30-130
367-12-4	2-Fluorophenol	0	X	30-130
4165-60-0	Nitrobenzene-d5	0	X	30-130
4165-62-2	Phenol-d5	0	X	30-130
321-60-8	2-Fluorobiphenyl	0	X	30-130
1718-51-0	p-Terphenyl-d14	0	X	30-130

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Buffalo Job No.: 480-30346-1

SDG No.:

Client Sample ID: OC-SB-518-0.0/1.0-XXX Lab Sample ID: 480-30346-7

Matrix: Solid Lab File ID: X3231.D

Analysis Method: 8270D Date Collected: 12/14/2012 09:55

Extract. Method: 3546 Date Extracted: 12/19/2012 09:30

Sample wt/vol: 000030.7(g) Date Analyzed: 12/21/2012 15:08

Con. Extract Vol.: 1(mL) Dilution Factor: 500

Injection Volume: 1(uL) Level: (low/med) Low

% Moisture: 28.7 GPC Cleanup:(Y/N) N

Analysis Batch No.: 97046 Units: ug/Kg

Number TICs Found: 3 TIC Result Total: 63000

CAS NO.	COMPOUND NAME	RT	RESULT	Q
84-74-2	Dibutyl phthalate	14.87	12000	T J N
	Unknown	15.85	17000	T J
	Unknown	16.99	34000	T J

FORM I-TIC 8270D

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973X\20121221-17772.b\X3231.D		
Lims ID:	480-30346-B-7-A	Client ID:	OC-SB-518-0.0/1.0-XXX
Inject. Date:	21-Dec-2012 15:08:30	Dil. Factor:	500.0000
Sample Type:	Client		
Sample ID:	480-0017772-011		
Misc. Info.:			
Operator:	ANM	Instrument ID:	HP5973X
Injection Vol:	1.0 ul	ALS Bottle#:	12
Lims Batch ID:	97046	Lims Sample ID:	11
Detector:	MS SCAN		

Method:	\\Bufchrom\ChromData\HP5973X\20121221-17772.b\X-8270LL.m		
Last Update:	09-Mar-2013 10:23:53	Calib Date:	18-Dec-2012 14:44:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3139.D		
Limit Group:	MB - 8270RCP_MCP ICAL		
Integrator:	RTE	ID Type:	RT Order ID
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm
Process Host:	XAWRK034		

First Level Reviewer: mckernar Date: 21-Dec-2012 15:30:06

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.546	6.599	-0.053	82	143089	5.00	
* 2 Naphthalene-d8	136	8.444	8.491	-0.047	96	494126	5.00	
* 3 Acenaphthene-d10	164	11.088	11.107	-0.019	85	351148	5.00	
* 4 Phenanthrene-d10	188	13.114	13.114	0.0	95	615580	5.00	
* 5 Chrysene-d12	240	15.753	15.767	-0.014	96	437762	5.00	
* 6 Perylene-d12	264	17.037	17.056	-0.019	96	508908	5.00	
$ 7 2-Fluorophenol	112		4.677					
$ 8 Phenol-d5	99		6.109					
$ 9 Nitrobenzene-d5	82		7.431					9
$ 10 2-Fluorobiphenyl	172		10.122					9
$ 11 2,4,6-Tribromophenol	330		12.262					
$ 12 p-Terphenyl-d14	244		14.792					9
19 N-Nitrosodimethylamine	42		2.785					14
21 Benzaldehyde	77		5.952					19
23 Aniline	93		6.118					19
22 Phenol	94		6.128					9
24 Bis(2-chloroethyl)ether	93		6.223					
25 2-Chlorophenol	128		6.289					19
26 1,3-Dichlorobenzene	146		6.508					
27 1,4-Dichlorobenzene	146		6.622					
28 Benzyl alcohol	108		6.841					
29 1,2-Dichlorobenzene	146		6.841					
31 2-Methylphenol	108		7.027					9
32 2,2'-oxybis[1-chloropropane]	45		7.036					
35 DFTPP								
33 Acetophenone	105		7.217					149
34 N-Nitrosodi-n-propylamine	70		7.222					
36 4-Methylphenol	108		7.274					9
37 Hexachloroethane	117		7.336					19
38 Nitrobenzene	77		7.464					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
40 Isophorone	82		7.826					9
41 2-Nitrophenol	139		7.940					
43 2,4-Dimethylphenol	107		8.054					
45 Bis(2-chloroethoxy)methane	93		8.173					19
44 Benzoic acid	105		8.235					
47 2,4-Dichlorophenol	162		8.325					
48 1,2,4-Trichlorobenzene	180		8.410					
49 Naphthalene	128		8.520					9
51 4-Chloroaniline	127		8.648					
52 Hexachlorobutadiene	225		8.715					9
54 Caprolactam	113		9.186					
55 4-Chloro-3-methylphenol	107		9.438					19
56 2-Methylnaphthalene	142		9.561					9
57 1-Methylnaphthalene	142		9.704					19
58 Hexachlorocyclopentadiene	237		9.794					
59 1,2,4,5-Tetrachlorobenzene	216		9.813					
60 2,4,6-Trichlorophenol	196		10.018					
61 2,4,5-Trichlorophenol	196		10.108					
62 1,1'-Biphenyl	154		10.265					
63 2-Chloronaphthalene	162		10.313					
64 Phenyl ether	170		10.427					
65 2-Nitroaniline	65		10.484					19
67 Dimethyl phthalate	163		10.764					9
68 2,6-Dinitrotoluene	165		10.850					
69 Acenaphthylene	152		10.898					
70 3-Nitroaniline	138		11.116					
71 Acenaphthene	153		11.154					
72 2,4-Dinitrophenol	184		11.288					
73 Dibenzofuran	168		11.421					
74 2,4-Dinitrotoluene	165		11.459					19
75 4-Nitrophenol	109		11.492					19
76 2,3,4,6-Tetrachlorophenol	232		11.640					
78 Diethyl phthalate	149		11.811					9
79 Fluorene	166		11.920					9
80 4-Chlorophenyl phenyl ether	204		11.939					
81 4-Nitroaniline	138		12.025					
82 4,6-Dinitro-2-methylphenol	198		12.048					
83 N-Nitrosodiphenylamine	169		12.115					19
16 1,2-Diphenylhydrazine	77		12.153					14
85 Azobenzene	77		12.153					14
86 Benzophenone	105		12.177					1
89 4-Bromophenyl phenyl ether	248		12.581					
91 Hexachlorobenzene	284		12.643					
93 Atrazine	200		12.833					
94 Pentachlorophenol	266		12.914					
97 Phenanthrene	178		13.142					
98 Anthracene	178		13.204					9
99 Carbazole	167		13.413					
102 Di-n-butyl phthalate	149		13.799					
104 Fluoranthene	202		14.422					9
106 Pyrene	202		14.645					
108 Butyl benzyl phthalate	149		15.244					

Report Date: 09-Mar-2013 10:23:56 Chrom Revision: 2.0 01-Feb-2013 10:03:10
Data File: \\Bufchrom\ChromData\HP5973X\20121221-17772.b\X3231.D

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
110 Bis(2-ethylhexyl) phthalate	149	15.715	15.739	-0.024	95	1332303	14.9	
109 3,3'-Dichlorobenzidine	252		15.739					
111 Benzo[a]anthracene	228		15.753					
112 Chrysene	228		15.791					
113 Di-n-octyl phthalate	149		16.281					
114 Benzo[b]fluoranthene	252		16.695					9
115 Benzo[k]fluoranthene	252		16.718					9
116 Benzo[a]pyrene	252		17.004					9
117 Indeno[1,2,3-cd]pyrene	276		18.155					
118 Dibenz(a,h)anthracene	278		18.155					
119 Benzo[g,h,i]perylene	276		18.473					9
S 120 3 & 4 Methylphenol	108		0.000					

QC Flag Legend

Processing Flags
1 - Missing Peaks
4 - Failed Signal Ratio Test
9 - Failed A Reference Spectral Test

TestAmerica Buffalo
Tentatively Identified Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973X\20121221-17772.b\X3231.D		
Lims ID:	480-30346-B-7-A	Client ID:	OC-SB-518-0.0/1.0-XXX
Inject. Date:	21-Dec-2012 15:08:30	Dil. Factor:	500.0000
Sample Type:	Client		
Sample ID:	480-0017772-011		
Misc. Info.:			
Operator:	ANM	Instrument ID:	HP5973X
Injection Vol:	1.0 ul	ALS Bottle#:	12
Lims Batch ID:	97046	Lims Sample ID:	11
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973X\20121221-17772.b\X-8270LL.m		
Last Update:	09-Mar-2013 10:23:53	Calib Date:	18-Dec-2012 14:44:30
Tic RT Window:	1.500 -0.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\Bufchrom\ChromData\Database\NIST98.L		
Min. Match:	85		
Process Host:	XAWRK034		
First Level Reviewer: mckernar		Date:	21-Dec-2012 15:30:06

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ng/uL	Flags
Pyridine	2.737	217	0.008175	

Tentative Identified Compound Results

RT	Response	Amount ng/uL	Quant Cpnd	Qual	Lib Entry	Flags
84-74-2	Dibutyl phthalate					
14.873	126165	0.5213	5	87	123493	
	Unknown					
15.848	180073	0.7441	5			
	Unknown					
16.990	424715	1.50	6			

Quantitation Compounds

Compound	RT	Response	Amount ng/uL
* 5 Chrysene-d12	15.753	1210080	5.00
* 6 Perylene-d12	17.037	1420098	5.00

QC Flag Legend

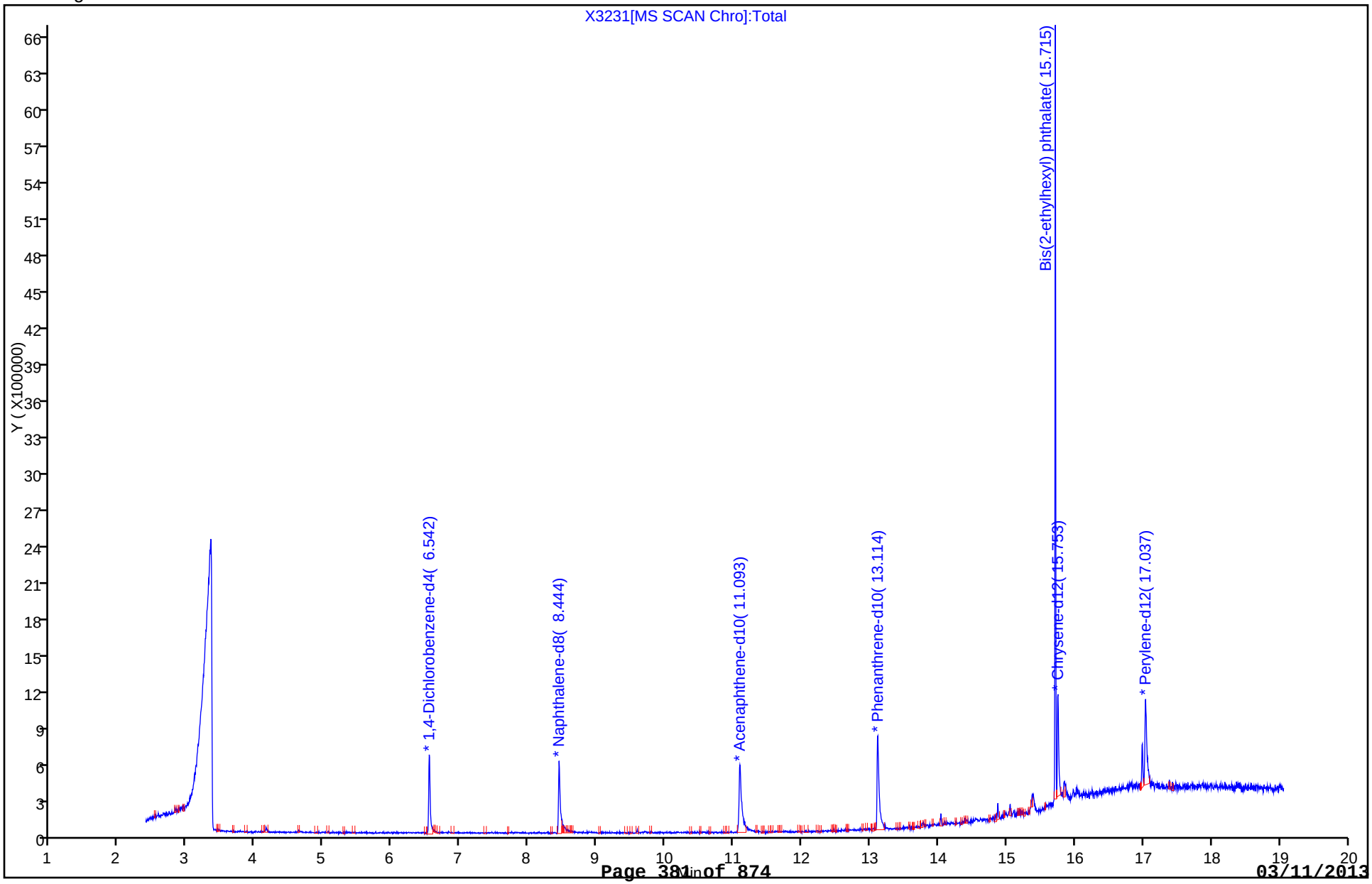
Processing Flags

Report Date: 09-Mar-2013 10:23:56 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121221-17772.b\X3231.D		
Injection Date:	21-Dec-2012 15:08:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-518-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	97046	Lims Sample ID:	11
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:

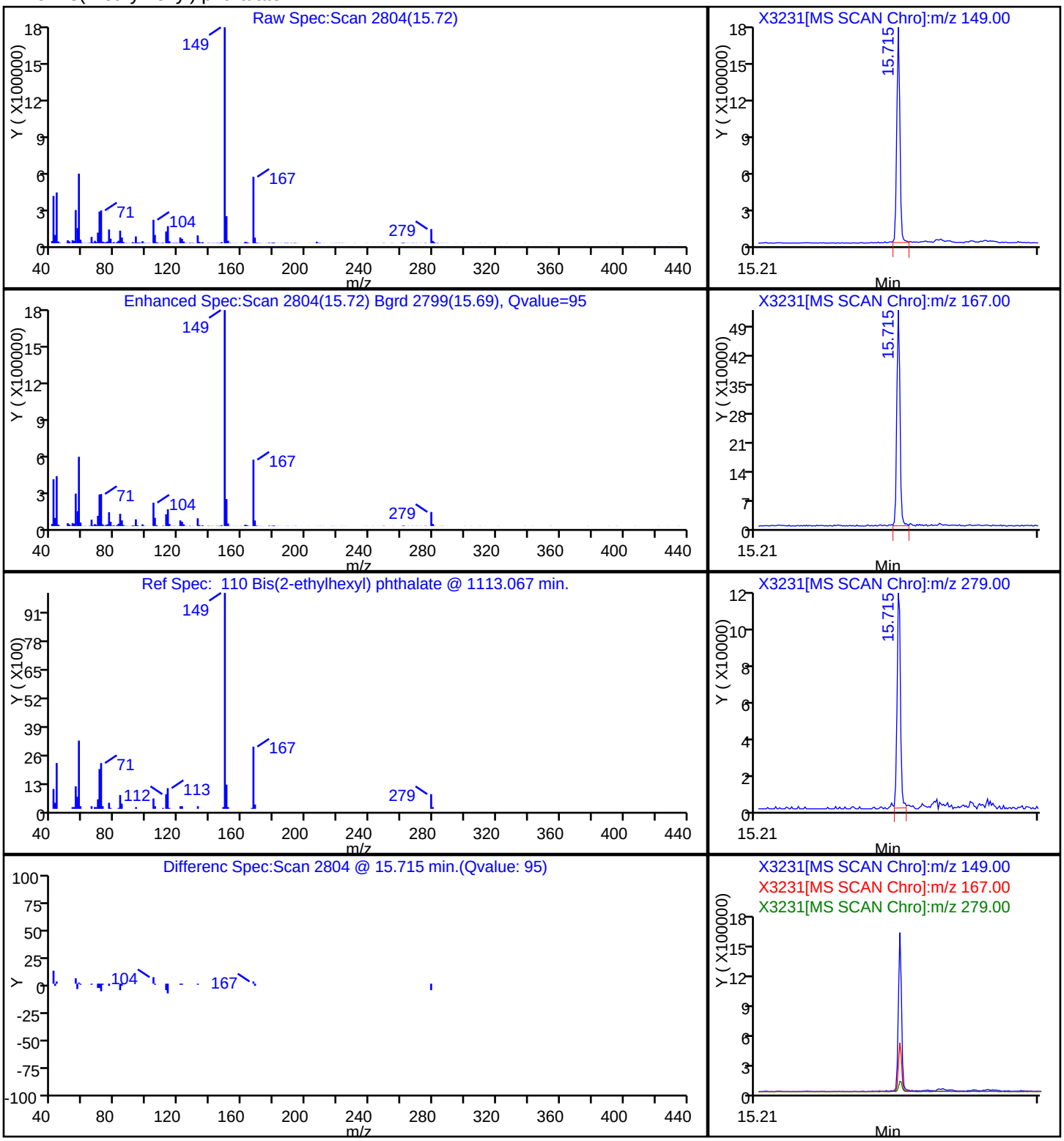


Report Date: 09-Mar-2013 10:23:56 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121221-17772.b\X3231.D		
Injection Date:	21-Dec-2012 15:08:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-518-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	97046	Lims Sample ID:	11
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

110 Bis(2-ethylhexyl) phthalate

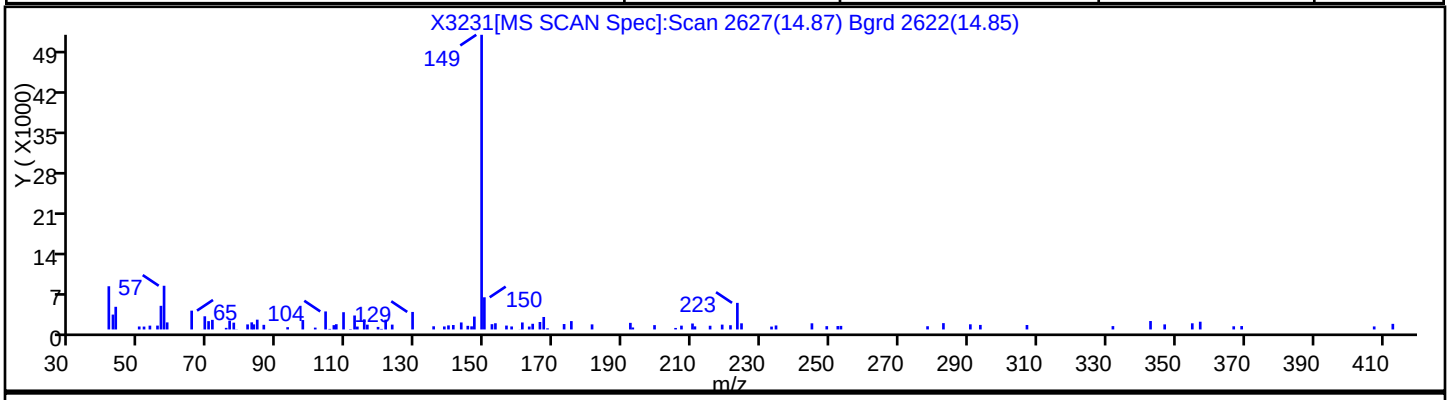


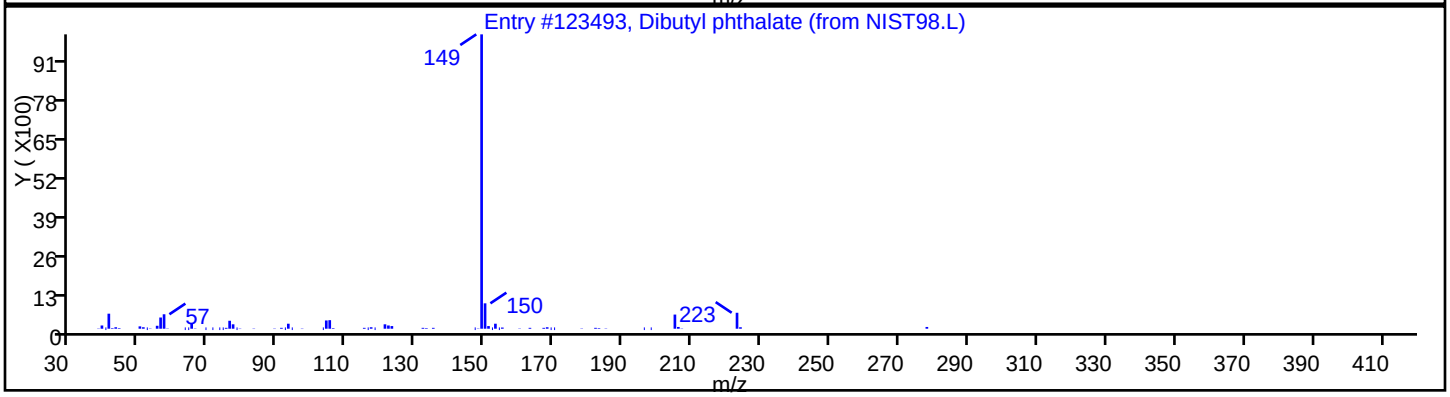
Report Date: 09-Mar-2013 10:23:56 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121221-17772.b\X3231.D		
Injection Date:	21-Dec-2012 15:08:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-518-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	97046	Lims Sample ID:	11
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Dibutyl phthalate	84-74-2	NIST98.L	123493	87



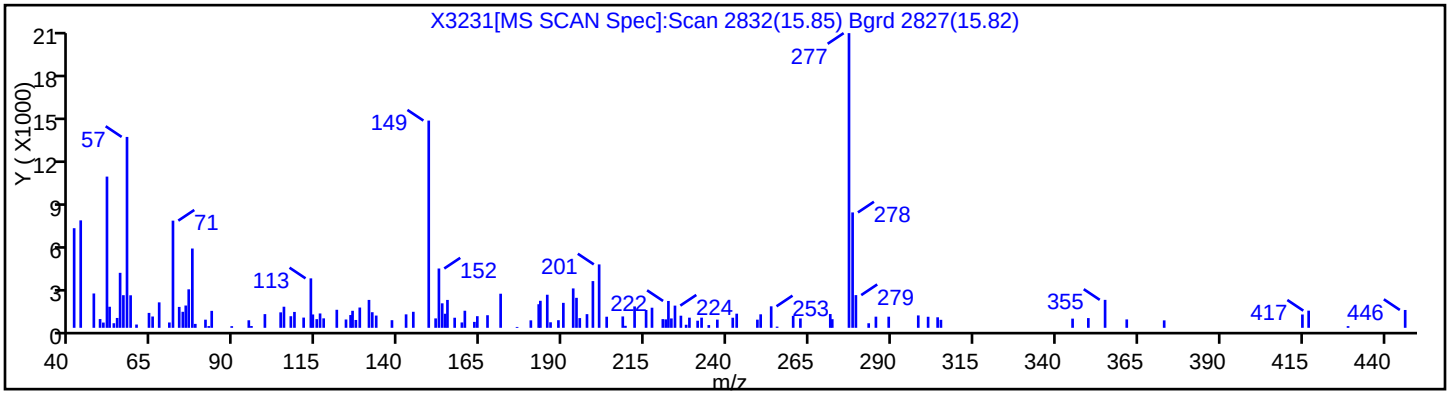


Report Date: 09-Mar-2013 10:23:56 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121221-17772.b\X3231.D		
Injection Date:	21-Dec-2012 15:08:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-518-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	97046	Lims Sample ID:	11
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85

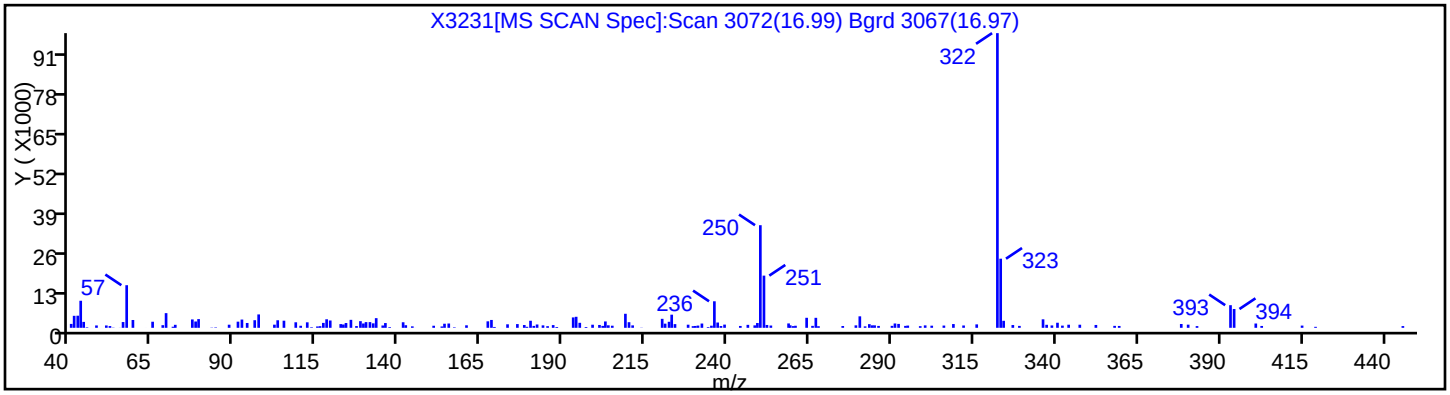


Report Date: 09-Mar-2013 10:23:56 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121221-17772.b\X3231.D		
Injection Date:	21-Dec-2012 15:08:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-518-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	97046	Lims Sample ID:	11
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30346-1

SDG No.:

Client Sample ID: OC-SB-518-8.0/10-XXX | Lab Sample ID: 480-30346-8

Matrix: Solid | Lab File ID: X3210.D

Analysis Method: 8270D | Date Collected: 12/14/2012 10:05

Extract. Method: 3546 | Date Extracted: 12/19/2012 09:30

Sample wt/vol: 000030.4(g) | Date Analyzed: 12/20/2012 18:40

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 21.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 96803 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
117-81-7	Bis(2-ethylhexyl) phthalate	ND		210	84
95-95-4	2,4,5-Trichlorophenol	ND		42	14
62-53-3	Aniline	ND		42	12
67-72-1	Hexachloroethane	ND		42	12
131-11-3	Dimethyl phthalate	ND		42	12
105-67-9	2,4-Dimethylphenol	ND		42	12
78-59-1	Isophorone	ND		42	12
86-73-7	Fluorene	ND		42	12
132-64-9	Dibenzofuran	ND		42	12
208-96-8	Acenaphthylene	ND		42	12
120-83-2	2,4-Dichlorophenol	ND		42	12
191-24-2	Benzo[g,h,i]perylene	ND		42	12
118-74-1	Hexachlorobenzene	ND		42	12
117-84-0	Di-n-octyl phthalate	ND		42	12
87-68-3	Hexachlorobutadiene	ND		42	12
85-01-8	Phenanthrene	ND		42	12
88-75-5	2-Nitrophenol	ND		42	16
207-08-9	Benzo[k]fluoranthene	ND		42	21
51-28-5	2,4-Dinitrophenol	ND	*	42	34
120-12-7	Anthracene	ND		42	12
91-57-6	2-Methylnaphthalene	ND		42	12
84-74-2	Di-n-butyl phthalate	ND		210	62
120-82-1	1,2,4-Trichlorobenzene	ND		42	12
129-00-0	Pyrene	ND		42	12
121-14-2	2,4-Dinitrotoluene	ND		42	12
53-70-3	Dibenz(a,h)anthracene	ND		42	12
541-73-1	1,3-Dichlorobenzene	ND		42	12
98-95-3	Nitrobenzene	ND		42	12
91-20-3	Naphthalene	ND		42	12
88-06-2	2,4,6-Trichlorophenol	ND		42	17
87-86-5	Pentachlorophenol	ND		42	12
206-44-0	Fluoranthene	ND		42	12
91-94-1	3,3'-Dichlorobenzidine	ND		83	15
101-55-3	4-Bromophenyl phenyl ether	ND		42	12

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30346-1

SDG No.:

Client Sample ID: OC-SB-518-8.0/10-XXX | Lab Sample ID: 480-30346-8

Matrix: Solid | Lab File ID: X3210.D

Analysis Method: 8270D | Date Collected: 12/14/2012 10:05

Extract. Method: 3546 | Date Extracted: 12/19/2012 09:30

Sample wt/vol: 000030.4(g) | Date Analyzed: 12/20/2012 18:40

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 21.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 96803 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
84-66-2	Diethyl phthalate	ND		42	14
95-48-7	2-Methylphenol	ND		42	12
95-50-1	1,2-Dichlorobenzene	ND		42	12
108-60-1	2,2'-oxybis[1-chloropropane]	ND		42	12
98-86-2	Acetophenone	ND		42	12
111-44-4	Bis(2-chloroethyl)ether	ND		42	12
56-55-3	Benzo[a]anthracene	ND		42	12
193-39-5	Indeno[1,2,3-cd]pyrene	ND		42	12
85-68-7	Butyl benzyl phthalate	ND		42	12
218-01-9	Chrysene	ND		42	12
83-32-9	Acenaphthene	ND		42	12
205-99-2	Benzo[b]fluoranthene	ND		42	12
100-02-7	4-Nitrophenol	ND	*	210	17
106-47-8	4-Chloroaniline	ND		83	37
95-57-8	2-Chlorophenol	ND		42	12
606-20-2	2,6-Dinitrotoluene	ND		42	35
108-95-2	Phenol	ND		42	12
15831-10-4	3 & 4 Methylphenol	ND		42	12
106-46-7	1,4-Dichlorobenzene	ND		42	12
111-91-1	Bis(2-chloroethoxy)methane	ND		42	12
91-58-7	2-Chloronaphthalene	ND		42	12
621-64-7	N-Nitrosodi-n-propylamine	ND		42	12
7005-72-3	4-Chlorophenyl phenyl ether	ND		42	12
59-50-7	4-Chloro-3-methylphenol	ND		83	12
50-32-8	Benzo[a]pyrene	ND		42	12
106-44-5	4-Methylphenol	ND		42	12
100-01-6	4-Nitroaniline	ND		210	35
88-74-4	2-Nitroaniline	ND		210	52
105-60-2	Caprolactam	ND		42	12
86-74-8	Carbazole	ND		42	12
534-52-1	4,6-Dinitro-2-methylphenol	ND		210	40
90-12-0	1-Methylnaphthalene	ND		42	12
86-30-6	N-Nitrosodiphenylamine	ND		42	12
1912-24-9	Atrazine	ND		42	12

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30346-1

SDG No.:

Client Sample ID: OC-SB-518-8.0/10-XXX | Lab Sample ID: 480-30346-8

Matrix: Solid | Lab File ID: X3210.D

Analysis Method: 8270D | Date Collected: 12/14/2012 10:05

Extract. Method: 3546 | Date Extracted: 12/19/2012 09:30

Sample wt/vol: 000030.4(g) | Date Analyzed: 12/20/2012 18:40

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 21.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 96803 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
101-84-8	Phenyl ether	ND		42	12
100-52-7	Benzaldehyde	ND		42	12
103-33-3	Azobenzene	ND	*	42	12
77-47-4	Hexachlorocyclopentadiene	ND		83	12
99-09-2	3-Nitroaniline	ND		210	12
62-75-9	N-Nitrosodimethylamine	ND		42	12
100-51-6	Benzyl alcohol	ND		83	12
92-52-4	1,1'-Biphenyl	ND		42	12
58-90-2	2,3,4,6-Tetrachlorophenol	ND		42	12
119-61-9	Benzophenone	ND		42	12
65-85-0	Benzoic acid	ND		210	19
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		42	12

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	81		30-130
367-12-4	2-Fluorophenol	54		30-130
4165-60-0	Nitrobenzene-d5	55		30-130
4165-62-2	Phenol-d5	65		30-130
321-60-8	2-Fluorobiphenyl	78		30-130
1718-51-0	p-Terphenyl-d14	65		30-130

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Buffalo | Job No.: 480-30346-1

SDG No.:

Client Sample ID: OC-SB-518-8.0/10-XXX | Lab Sample ID: 480-30346-8

Matrix: Solid | Lab File ID: X3210.D

Analysis Method: 8270D | Date Collected: 12/14/2012 10:05

Extract. Method: 3546 | Date Extracted: 12/19/2012 09:30

Sample wt/vol: 000030.4(g) | Date Analyzed: 12/20/2012 18:40

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 21.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 96803 | Units: ug/Kg

Number TICs Found: 10 | TIC Result Total: 6189

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	3.86	63	T J
	Unknown	4.22	4700	T J
	Unknown	4.24	32	T J
95-47-6	Benzene, 1,2-dimethyl-	4.67	1100	T J N
	Unknown	6.35	27	T J
	Unknown	13.78	34	T J
	Unknown	16.14	30	T J
	Unknown	16.41	63	T J
	Unknown	16.47	100	T J
	Unknown	16.69	40	T J

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3210.D		
Lims ID:	480-30346-B-8-A	Client ID:	OC-SB-518-8.0/10-XXX
Inject. Date:	20-Dec-2012 18:40:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-0017736-020		
Misc. Info.:			
Operator:	ANM	Instrument ID:	HP5973X
Injection Vol:	1.0 ul	ALS Bottle#:	22
Lims Batch ID:	96803	Lims Sample ID:	20
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X-8270LL.m		
Last Update:	09-Mar-2013 10:14:49	Calib Date:	18-Dec-2012 14:44:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3139.D		
Limit Group:	MB - 8270RCP_MCP ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm
Process Host:	XAWRK034		

First Level Reviewer: WilkesD Date: 09-Mar-2013 10:13:09

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.570	6.570	0.0	84	208816	5.00	
* 2 Naphthalene-d8	136	8.472	8.439	0.033	96	762119	5.00	
* 3 Acenaphthene-d10	164	11.107	11.064	0.043	85	456305	5.00	
* 4 Phenanthrene-d10	188	13.123	13.080	0.043	95	582041	5.00	
* 5 Chrysene-d12	240	15.758	15.734	0.024	97	579685	5.00	
* 6 Perylene-d12	264	17.042	17.013	0.029	95	396213	5.00	s
$ 7 2-Fluorophenol	112	4.701	4.682	0.019	1	51562	1.09	
$ 8 Phenol-d5	99	6.114	6.090	0.024	86	75348	1.31	
$ 9 Nitrobenzene-d5	82	7.421	7.393	0.028	71	63221	1.11	
$ 10 2-Fluorobiphenyl	172	10.122	10.075	0.047	87	178846	1.56	
$ 11 2,4,6-Tribromophenol	330	12.300	12.229	0.071	9	17382	1.62	M
$ 12 p-Terphenyl-d14	244	14.788	14.759	0.029	78	144465	1.29	
19 N-Nitrosodimethylamine	42		2.766					1
21 Benzaldehyde	77		5.938					
23 Aniline	93		6.104					
22 Phenol	94		6.109					9
24 Bis(2-chloroethyl)ether	93		6.204					19
25 2-Chlorophenol	128		6.270					1
26 1,3-Dichlorobenzene	146		6.484					
27 1,4-Dichlorobenzene	146		6.594					
29 1,2-Dichlorobenzene	146		6.813					
28 Benzyl alcohol	108		6.813					19
31 2-Methylphenol	108		6.993					9
32 2,2'-oxybis[1-chloropropane]	45		6.998					
33 Acetophenone	105		7.174					
35 DFTPP								
34 N-Nitrosodi-n-propylamine	70		7.183					
36 4-Methylphenol	108		7.231					
37 Hexachloroethane	117		7.298					1
38 Nitrobenzene	77		7.421					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
40 Isophorone	82		7.778					9
41 2-Nitrophenol	139		7.892					149
43 2,4-Dimethylphenol	107		8.001					
45 Bis(2-chloroethoxy)methane	93		8.125					149
44 Benzoic acid	105		8.177					149
47 2,4-Dichlorophenol	162		8.277					9
48 1,2,4-Trichlorobenzene	180		8.363					
49 Naphthalene	128		8.472					9
51 4-Chloroaniline	127		8.596					19
52 Hexachlorobutadiene	225		8.662					
54 Caprolactam	113		9.129					
55 4-Chloro-3-methylphenol	107		9.385					19
56 2-Methylnaphthalene	142		9.509					
57 1-Methylnaphthalene	142		9.656					
58 Hexachlorocyclopentadiene	237		9.742					9
59 1,2,4,5-Tetrachlorobenzene	216		9.761					
60 2,4,6-Trichlorophenol	196		9.970					
61 2,4,5-Trichlorophenol	196		10.056					
62 1,1'-Biphenyl	154	10.279	10.218	0.061	31	1819	0.0138	
63 2-Chloronaphthalene	162		10.265					
64 Phenyl ether	170		10.384					
65 2-Nitroaniline	65		10.436					
67 Dimethyl phthalate	163		10.722					9
68 2,6-Dinitrotoluene	165		10.807					1
69 Acenaphthylene	152		10.850					9
70 3-Nitroaniline	138		11.069					
71 Acenaphthene	153		11.112					9
72 2,4-Dinitrophenol	184		11.240					
73 Dibenzofuran	168		11.378					149
74 2,4-Dinitrotoluene	165		11.416					19
75 4-Nitrophenol	109		11.454					19
76 2,3,4,6-Tetrachlorophenol	232		11.597					
78 Diethyl phthalate	149		11.777					9
79 Fluorene	166		11.882					9
80 4-Chlorophenyl phenyl ether	204		11.901					1
81 4-Nitroaniline	138		11.982					19
82 4,6-Dinitro-2-methylphenol	198		12.010					
83 N-Nitrosodiphenylamine	169	12.144	12.077	0.067	41	7102	0.0525	
85 Azobenzene	77		12.120					
16 1,2-Diphenylhydrazine	77		12.120					
86 Benzophenone	105		12.144					
89 4-Bromophenyl phenyl ether	248		12.548					
91 Hexachlorobenzene	284		12.610					
93 Atrazine	200		12.800					9
94 Pentachlorophenol	266		12.885					9
97 Phenanthrene	178		13.109					9
98 Anthracene	178		13.171					
99 Carbazole	167		13.380					19
102 Di-n-butyl phthalate	149		13.765					
104 Fluoranthene	202		14.388					9
106 Pyrene	202		14.607					
108 Butyl benzyl phthalate	149		15.211					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
109 3,3'-Dichlorobenzidine	252		15.705					
110 Bis(2-ethylhexyl) phthalate	149	15.725	15.710	0.014	89	118271	1.00	
111 Benzo[a]anthracene	228		15.720					
112 Chrysene	228		15.753					
113 Di-n-octyl phthalate	149		16.248					
114 Benzo[b]fluoranthene	252		16.657					9
115 Benzo[k]fluoranthene	252		16.680					9
116 Benzo[a]pyrene	252		16.961					
117 Indeno[1,2,3-cd]pyrene	276		18.107					
118 Dibenz(a,h)anthracene	278		18.107					9
119 Benzo[g,h,i]perylene	276		18.421					
S 120 3 & 4 Methylphenol	108		0.000					

QC Flag Legend

Processing Flags
1 - Missing Peaks
4 - Failed Signal Ratio Test
9 - Failed A Reference Spectral Test
s - Failed ISTD Recovery Test

Review Flags
M - Manually Integrated

TestAmerica Buffalo
Tentatively Identified Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3210.D		
Lims ID:	480-30346-B-8-A	Client ID:	OC-SB-518-8.0/10-XXX
Inject. Date:	20-Dec-2012 18:40:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-0017736-020		
Misc. Info.:			
Operator:	ANM	Instrument ID:	HP5973X
Injection Vol:	1.0 ul	ALS Bottle#:	22
Lims Batch ID:	96803	Lims Sample ID:	20
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X-8270LL.m		
Last Update:	09-Mar-2013 10:14:49	Calib Date:	18-Dec-2012 14:44:30
Tic RT Window:	1.500 -0.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\Bufchrom\ChromData\Database\NIST98.L		
Min. Match:	85		
Process Host:	XAWRK034		

First Level Reviewer: WilkesD Date: 09-Mar-2013 10:13:09

Tentative Identified Compound Results

RT	Response	Amount ng/uL	Quant Cpnd	Qual	Lib Entry	Flags
		Unknown				
3.859	449192	1.52	1			
		Unknown				
4.221	33248825	112.5	1			
		Unknown				
4.235	227046	0.7684	1			
95-47-6		Benzene, 1,2-dimethyl-				
4.668	7863369	26.6	1	97	37719	
		Unknown				
6.347	189764	0.6422	1			
		Unknown				
13.775	272915	0.8202	4			
		Unknown				
16.138	243857	0.7114	5			
		Unknown				
16.405	305355	1.52	6			
		Unknown				
16.471	499940	2.48	6			
		Unknown				
16.685	194002	0.9634	6			

Quantitation Compounds

Compound	RT	Response	Amount ng/uL

Report Date: 09-Mar-2013 10:15:02 Chrom Revision: 2.0 01-Feb-2013 10:03:10
Data File: \\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3210.D

Compound	RT	Response	Amount ng/uL
* 1 1,4-Dichlorobenzene-d4	6.570	1477355	5.00
* 4 Phenanthrene-d10	13.123	1663786	5.00
* 5 Chrysene-d12	15.758	1713945	5.00
* 6 Perylene-d12	17.042	1006830	5.00

QC Flag Legend

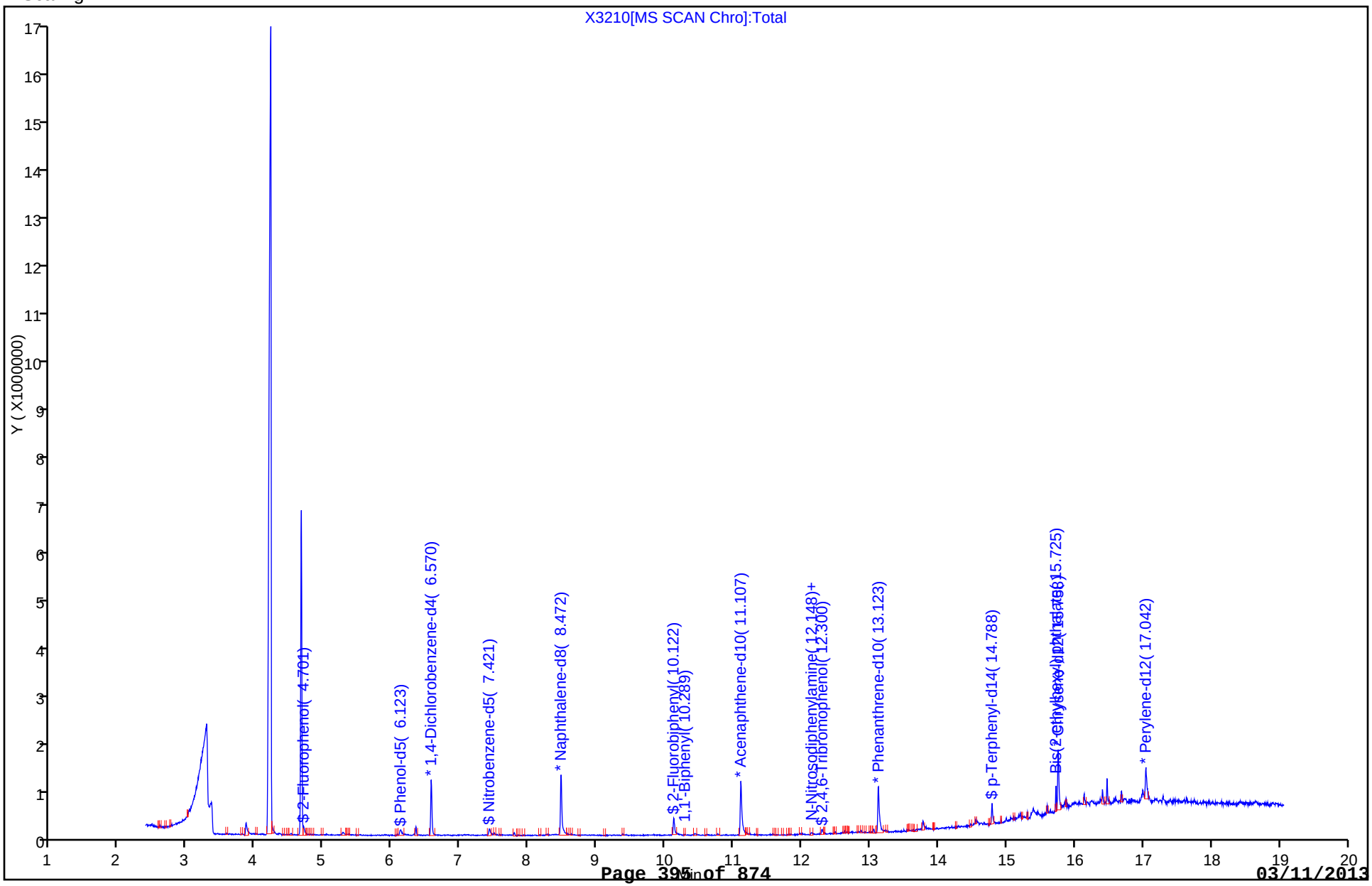
Processing Flags

Report Date: 09-Mar-2013 10:15:02 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3210.D		
Injection Date:	20-Dec-2012 18:40:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-518-8.0/10-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	20
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:



Manual Integration/User Assign Peak Report

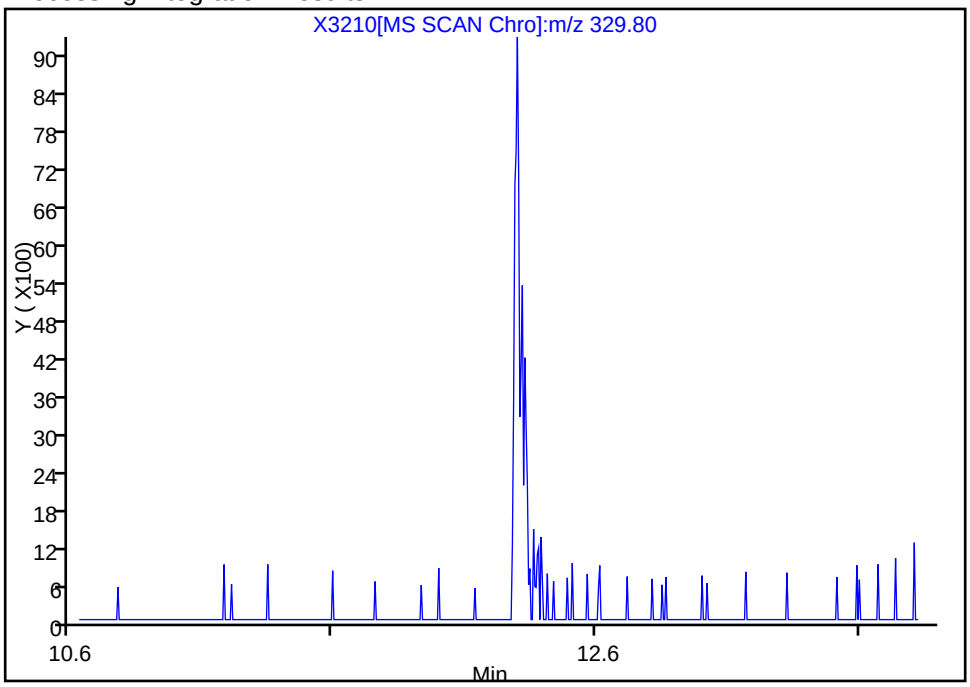
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3210.D		
Injection Date:	20-Dec-2012 18:40:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-518-8.0/10-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	20
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

$ 11 2,4,6-Tribromophenol, Signal: 1, m/z: 329.8 Type: quant, RT: 12.23

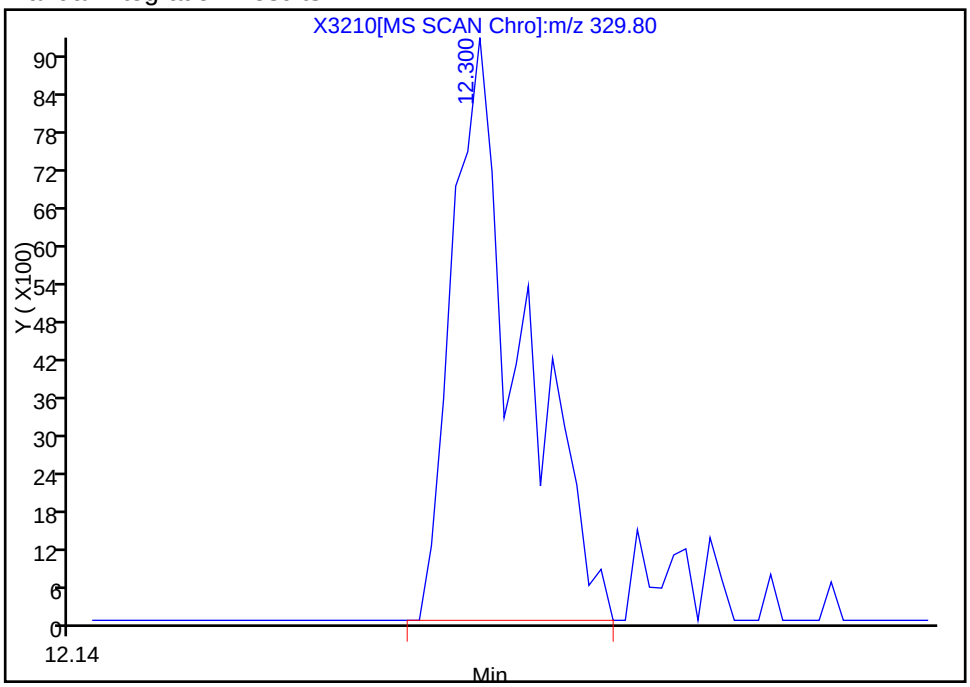
Processing Integration Results

Not Detected
Expected RT: 12.23



Manual Integration Results

RT: 12.30
Response: 17382
Amount: 1.623384



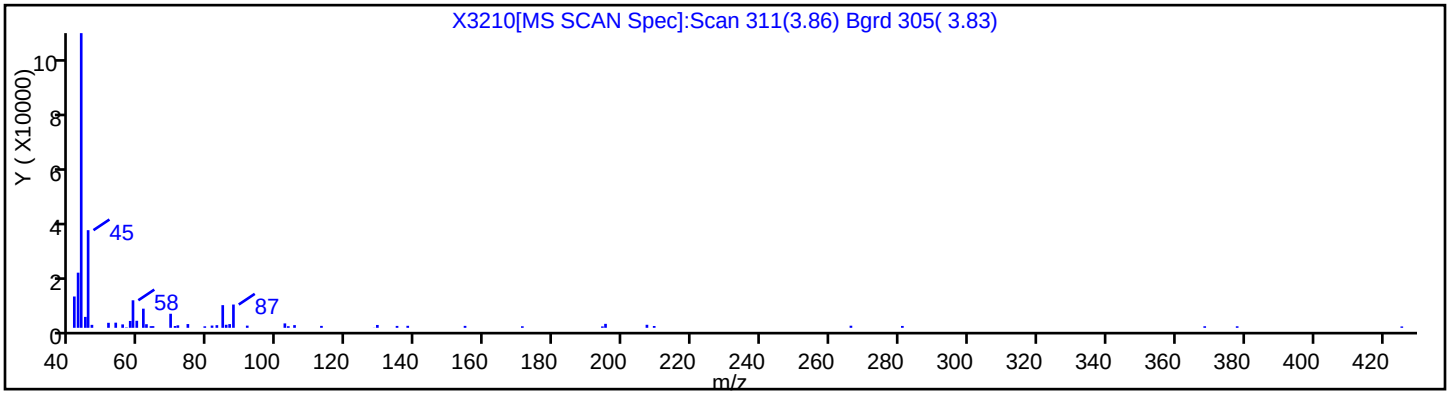
Reviewer: mckernar, 21-Dec-2012 09:08:01
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 09-Mar-2013 10:15:03 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3210.D		
Injection Date:	20-Dec-2012 18:40:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-518-8.0/10-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	20
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85

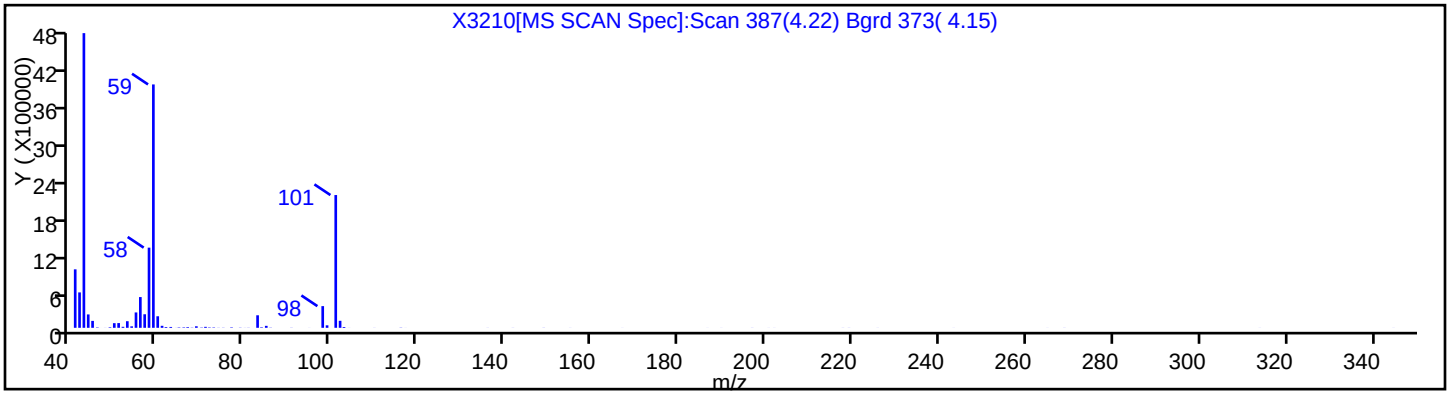


Report Date: 09-Mar-2013 10:15:03 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3210.D		
Injection Date:	20-Dec-2012 18:40:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-518-8.0/10-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	20
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85

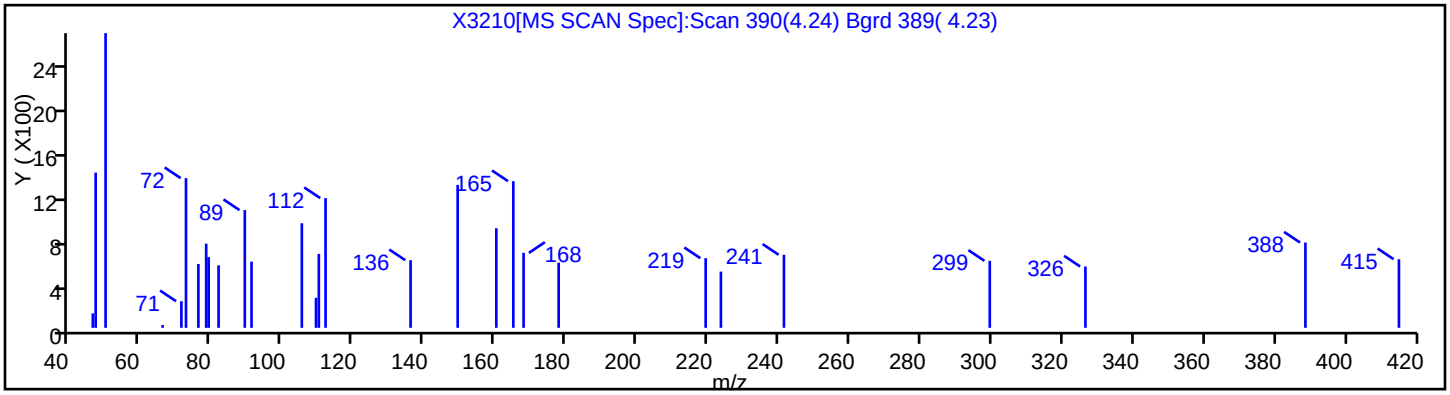


Report Date: 09-Mar-2013 10:15:03 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3210.D		
Injection Date:	20-Dec-2012 18:40:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-518-8.0/10-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	20
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85

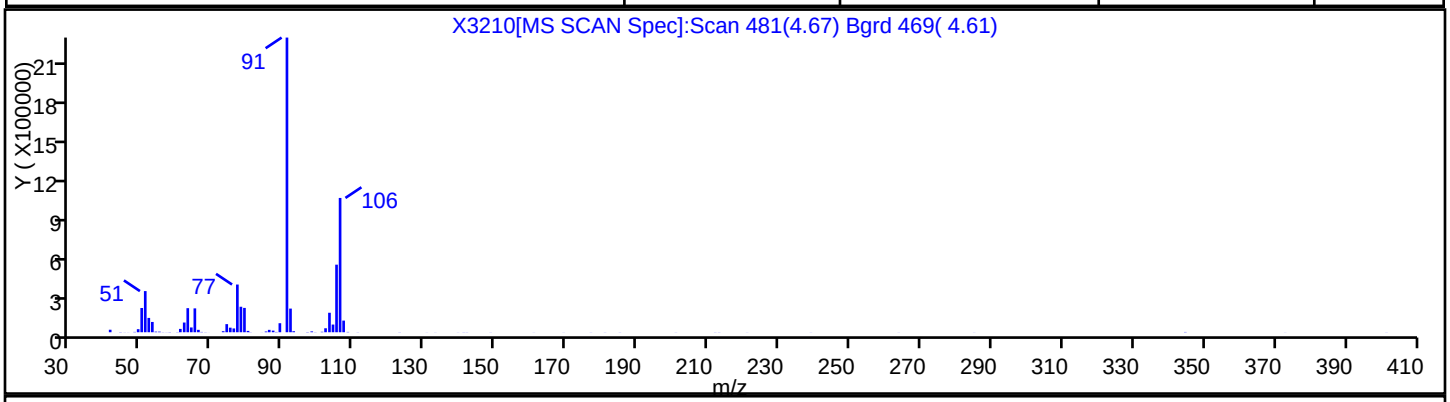


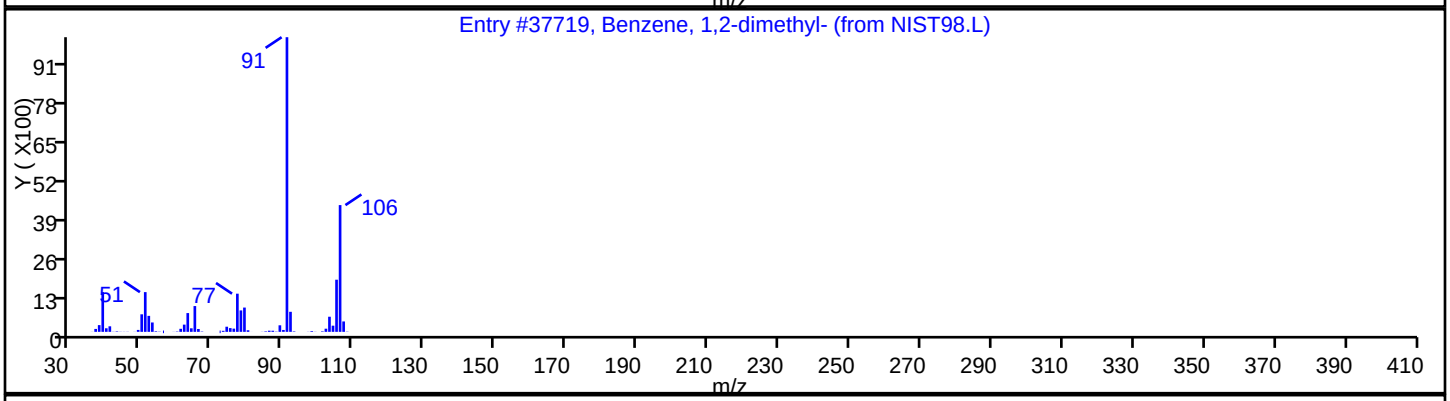
Report Date: 09-Mar-2013 10:15:03 Chrom Revision: 2.0 01-Feb-2013 10:03:10

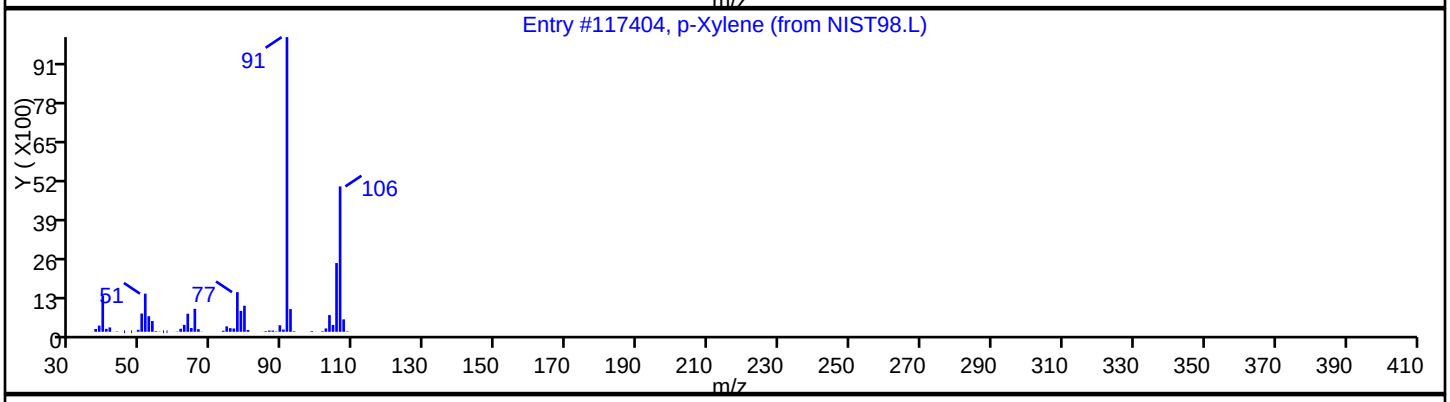
TestAmerica Buffalo

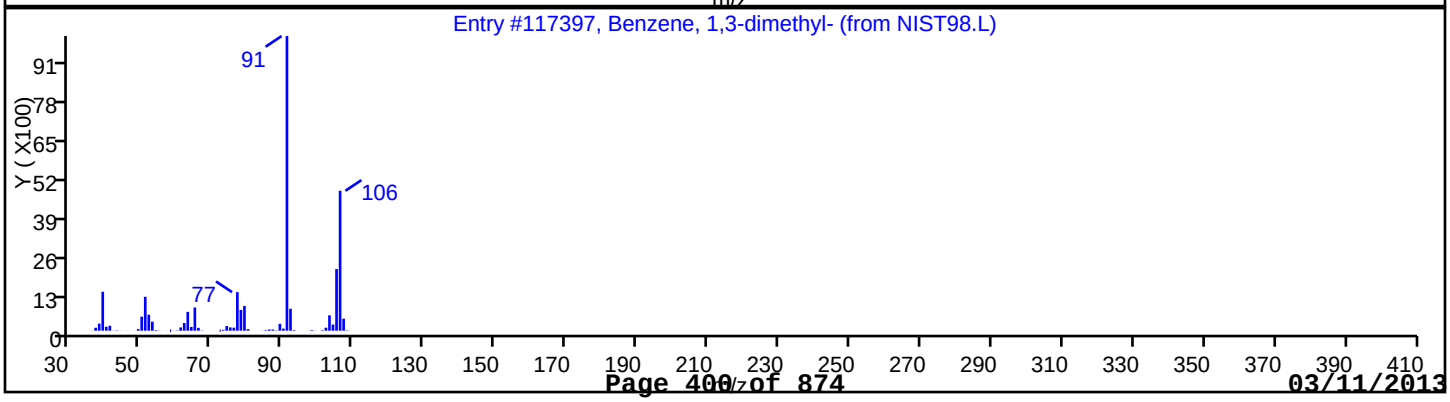
Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3210.D		
Injection Date:	20-Dec-2012 18:40:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-518-8.0/10-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	20
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Benzene, 1,2-dimethyl-	95-47-6	NIST98.L	37719	97
p-Xylene	106-42-3	NIST98.L	117404	97
Benzene, 1,3-dimethyl-	108-38-3	NIST98.L	117397	97







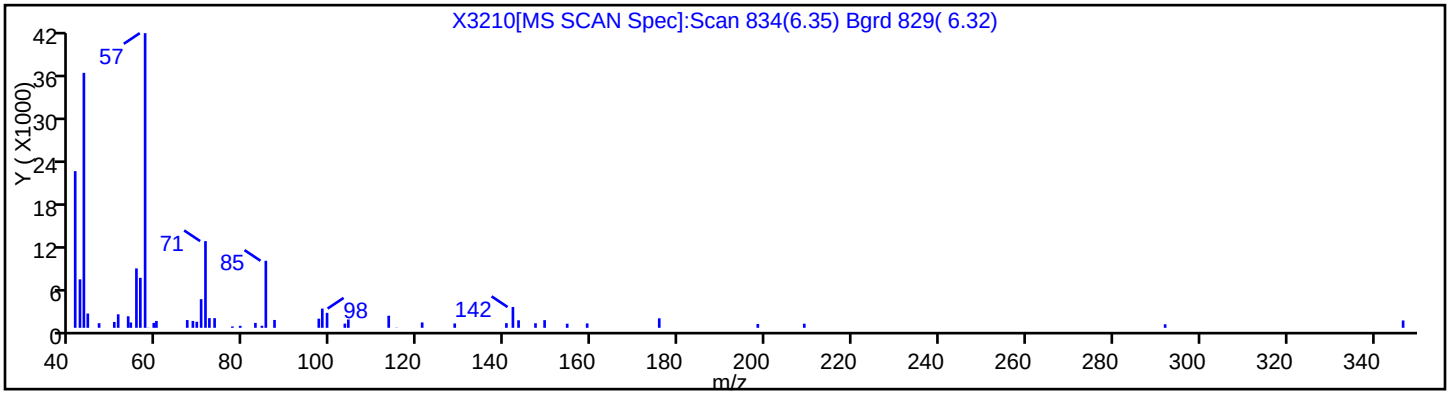


Report Date: 09-Mar-2013 10:15:03 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3210.D		
Injection Date:	20-Dec-2012 18:40:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-518-8.0/10-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	20
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85

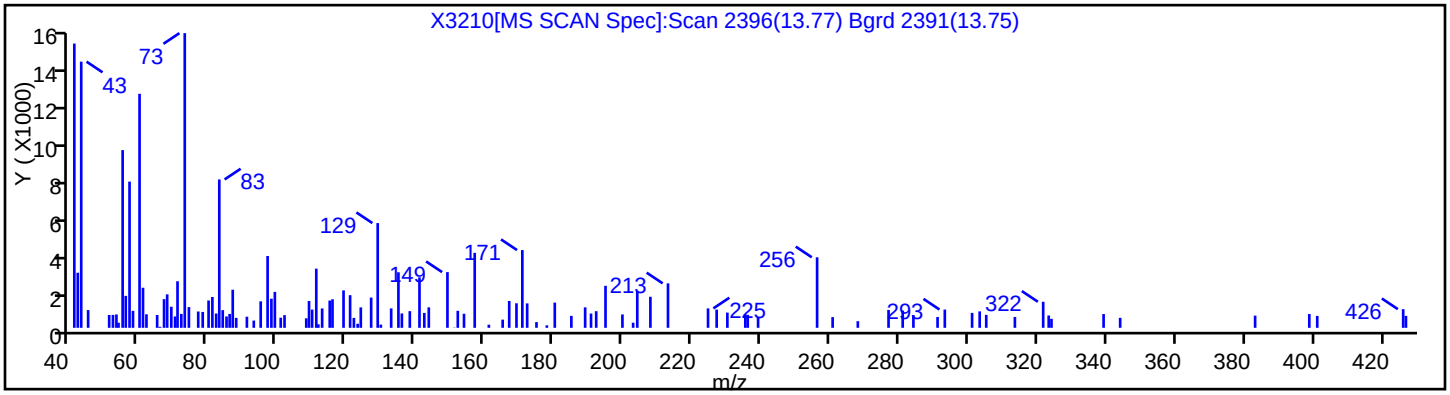


Report Date: 09-Mar-2013 10:15:03 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3210.D		
Injection Date:	20-Dec-2012 18:40:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-518-8.0/10-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	20
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85

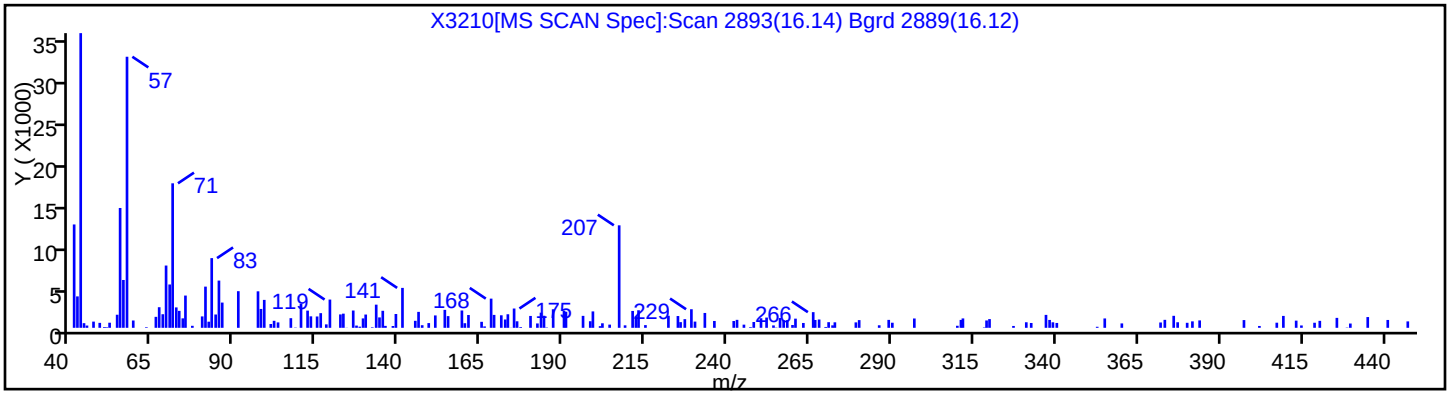


Report Date: 09-Mar-2013 10:15:03 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3210.D		
Injection Date:	20-Dec-2012 18:40:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-518-8.0/10-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	20
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85

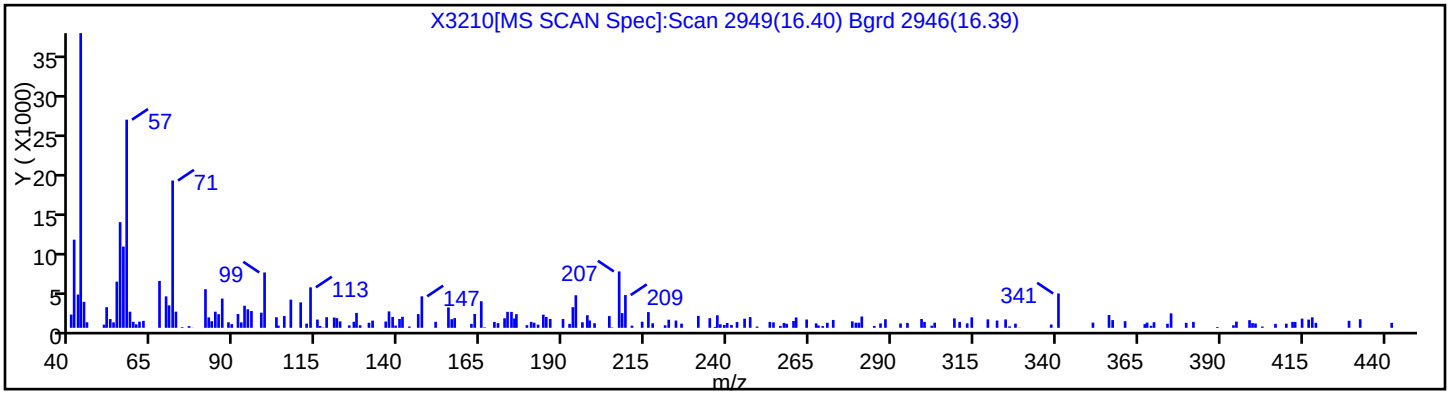


Report Date: 09-Mar-2013 10:15:03 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3210.D		
Injection Date:	20-Dec-2012 18:40:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-518-8.0/10-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	20
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85

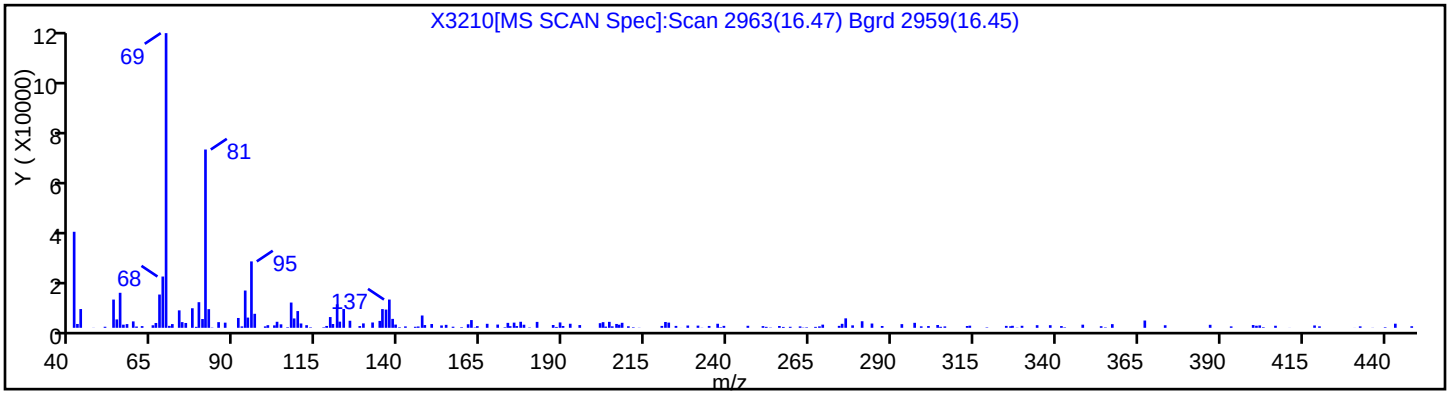


Report Date: 09-Mar-2013 10:15:03 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3210.D		
Injection Date:	20-Dec-2012 18:40:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-518-8.0/10-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	20
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85

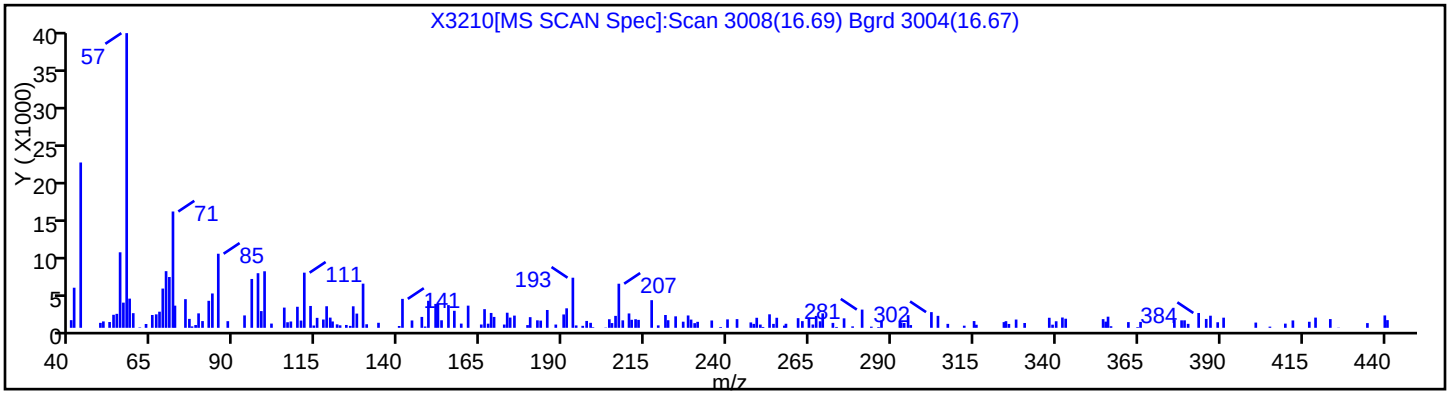


Report Date: 09-Mar-2013 10:15:03 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3210.D		
Injection Date:	20-Dec-2012 18:40:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-518-8.0/10-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	20
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30346-1

SDG No.:

Client Sample ID: OC-SB-518-13/15-XXX | Lab Sample ID: 480-30346-9

Matrix: Solid | Lab File ID: X3226.D

Analysis Method: 8270D | Date Collected: 12/14/2012 10:15

Extract. Method: 3546 | Date Extracted: 12/19/2012 09:30

Sample wt/vol: 000030.3(g) | Date Analyzed: 12/21/2012 11:54

Con. Extract Vol.: 1(mL) | Dilution Factor: 20

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 19.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 97046 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
117-81-7	Bis(2-ethylhexyl) phthalate	12000		4100	1600
95-95-4	2,4,5-Trichlorophenol	ND		820	270
62-53-3	Aniline	ND		820	250
67-72-1	Hexachloroethane	ND		820	250
131-11-3	Dimethyl phthalate	ND		820	250
105-67-9	2,4-Dimethylphenol	ND		820	250
78-59-1	Isophorone	ND		820	250
86-73-7	Fluorene	ND		820	250
132-64-9	Dibenzofuran	ND		820	250
208-96-8	Acenaphthylene	ND		820	250
120-83-2	2,4-Dichlorophenol	ND		820	250
191-24-2	Benzo[g,h,i]perylene	ND		820	250
118-74-1	Hexachlorobenzene	ND		820	250
117-84-0	Di-n-octyl phthalate	ND		820	250
87-68-3	Hexachlorobutadiene	ND		820	250
85-01-8	Phenanthrene	ND		820	250
88-75-5	2-Nitrophenol	ND		820	320
207-08-9	Benzo[k]fluoranthene	ND		820	420
51-28-5	2,4-Dinitrophenol	ND	*	820	660
120-12-7	Anthracene	ND		820	250
91-57-6	2-Methylnaphthalene	ND		820	250
84-74-2	Di-n-butyl phthalate	ND		4100	1200
120-82-1	1,2,4-Trichlorobenzene	ND		820	250
129-00-0	Pyrene	ND		820	250
121-14-2	2,4-Dinitrotoluene	ND		820	250
53-70-3	Dibenz(a,h)anthracene	ND		820	250
541-73-1	1,3-Dichlorobenzene	ND		820	250
98-95-3	Nitrobenzene	ND		820	250
91-20-3	Naphthalene	ND		820	250
88-06-2	2,4,6-Trichlorophenol	ND		820	340
87-86-5	Pentachlorophenol	ND		820	250
206-44-0	Fluoranthene	ND		820	250
91-94-1	3,3'-Dichlorobenzidine	ND		1600	300
101-55-3	4-Bromophenyl phenyl ether	ND		820	250

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30346-1

SDG No.:

Client Sample ID: OC-SB-518-13/15-XXX | Lab Sample ID: 480-30346-9

Matrix: Solid | Lab File ID: X3226.D

Analysis Method: 8270D | Date Collected: 12/14/2012 10:15

Extract. Method: 3546 | Date Extracted: 12/19/2012 09:30

Sample wt/vol: 000030.3(g) | Date Analyzed: 12/21/2012 11:54

Con. Extract Vol.: 1(mL) | Dilution Factor: 20

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 19.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 97046 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
84-66-2	Diethyl phthalate	ND		820	270
95-48-7	2-Methylphenol	ND		820	250
95-50-1	1,2-Dichlorobenzene	ND		820	250
108-60-1	2,2'-oxybis[1-chloropropane]	ND		820	250
98-86-2	Acetophenone	ND		820	250
111-44-4	Bis(2-chloroethyl)ether	ND		820	250
56-55-3	Benzo[a]anthracene	ND		820	250
193-39-5	Indeno[1,2,3-cd]pyrene	ND		820	250
85-68-7	Butyl benzyl phthalate	ND		820	250
218-01-9	Chrysene	ND		820	250
83-32-9	Acenaphthene	ND		820	250
205-99-2	Benzo[b]fluoranthene	ND		820	250
100-02-7	4-Nitrophenol	ND	*	4100	340
106-47-8	4-Chloroaniline	ND		1600	740
95-57-8	2-Chlorophenol	ND		820	250
606-20-2	2,6-Dinitrotoluene	ND		820	690
108-95-2	Phenol	ND		820	250
15831-10-4	3 & 4 Methylphenol	ND		820	250
106-46-7	1,4-Dichlorobenzene	ND		820	250
111-91-1	Bis(2-chloroethoxy)methane	ND		820	250
91-58-7	2-Chloronaphthalene	ND		820	250
621-64-7	N-Nitrosodi-n-propylamine	ND		820	250
7005-72-3	4-Chlorophenyl phenyl ether	ND		820	250
59-50-7	4-Chloro-3-methylphenol	ND		1600	250
50-32-8	Benzo[a]pyrene	ND		820	250
106-44-5	4-Methylphenol	ND		820	250
100-01-6	4-Nitroaniline	ND		4100	690
88-74-4	2-Nitroaniline	ND		4100	1000
105-60-2	Caprolactam	ND		820	250
86-74-8	Carbazole	ND		820	250
534-52-1	4,6-Dinitro-2-methylphenol	ND		4100	790
90-12-0	1-Methylnaphthalene	ND		820	250
86-30-6	N-Nitrosodiphenylamine	ND		820	250
1912-24-9	Atrazine	ND		820	250

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30346-1

SDG No.:

Client Sample ID: OC-SB-518-13/15-XXX | Lab Sample ID: 480-30346-9

Matrix: Solid | Lab File ID: X3226.D

Analysis Method: 8270D | Date Collected: 12/14/2012 10:15

Extract. Method: 3546 | Date Extracted: 12/19/2012 09:30

Sample wt/vol: 000030.3(g) | Date Analyzed: 12/21/2012 11:54

Con. Extract Vol.: 1(mL) | Dilution Factor: 20

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 19.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 97046 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
101-84-8	Phenyl ether	ND		820	250
100-52-7	Benzaldehyde	ND		820	250
103-33-3	Azobenzene	ND	*	820	250
77-47-4	Hexachlorocyclopentadiene	ND		1600	250
99-09-2	3-Nitroaniline	ND		4100	250
62-75-9	N-Nitrosodimethylamine	ND		820	250
100-51-6	Benzyl alcohol	ND		1600	250
92-52-4	1,1'-Biphenyl	ND		820	250
58-90-2	2,3,4,6-Tetrachlorophenol	ND		820	250
119-61-9	Benzophenone	ND		820	250
65-85-0	Benzoic acid	ND		4100	370
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		820	250

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	0	X	30-130
367-12-4	2-Fluorophenol	0	X	30-130
4165-60-0	Nitrobenzene-d5	0	X	30-130
4165-62-2	Phenol-d5	0	X	30-130
321-60-8	2-Fluorobiphenyl	0	X	30-130
1718-51-0	p-Terphenyl-d14	0	X	30-130

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Buffalo | Job No.: 480-30346-1

SDG No.:

Client Sample ID: OC-SB-518-13/15-XXX | Lab Sample ID: 480-30346-9

Matrix: Solid | Lab File ID: X3226.D

Analysis Method: 8270D | Date Collected: 12/14/2012 10:15

Extract. Method: 3546 | Date Extracted: 12/19/2012 09:30

Sample wt/vol: 000030.3(g) | Date Analyzed: 12/21/2012 11:54

Con. Extract Vol.: 1(mL) | Dilution Factor: 20

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 19.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 97046 | Units: ug/Kg

Number TICs Found: 5 | TIC Result Total: 10420

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	4.18	6800	T J
108-38-3	Benzene, 1,3-dimethyl-	4.66	1700	T J N
	Unknown	15.07	410	T J
	Unknown	15.88	510	T J
	Unknown	17.01	1000	T J

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973X\20121221-17772.b\X3226.D		
Lims ID:	480-30346-B-9-A	Client ID:	OC-SB-518-13/15-XXX
Inject. Date:	21-Dec-2012 11:54:30	Dil. Factor:	20.0000
Sample Type:	Client		
Sample ID:	480-0017772-006		
Misc. Info.:			
Operator:	ANM	Instrument ID:	HP5973X
Injection Vol:	1.0 ul	ALS Bottle#:	7
Lims Batch ID:	97046	Lims Sample ID:	6
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973X\20121221-17772.b\X-8270LL.m		
Last Update:	09-Mar-2013 10:23:53	Calib Date:	18-Dec-2012 14:44:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3139.D		
Limit Group:	MB - 8270RCP_MCP ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm
Process Host:	XAWRK034		

First Level Reviewer: mckernar Date: 21-Dec-2012 12:17:03

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.575	6.599	-0.024	86	133744	5.00	
* 2 Naphthalene-d8	136	8.477	8.491	-0.014	96	405983	5.00	
* 3 Acenaphthene-d10	164	11.135	11.107	0.028	87	285518	5.00	
* 4 Phenanthrene-d10	188	13.142	13.114	0.028	96	585420	5.00	
* 5 Chrysene-d12	240	15.772	15.767	0.005	95	490302	5.00	
* 6 Perylene-d12	264	17.070	17.056	0.014	97	494156	5.00	
$ 7 2-Fluorophenol	112		4.677					9
$ 8 Phenol-d5	99		6.109					
$ 9 Nitrobenzene-d5	82		7.431					9
$ 10 2-Fluorobiphenyl	172		10.122					9
$ 11 2,4,6-Tribromophenol	330		12.262					9
$ 12 p-Terphenyl-d14	244		14.792					9
19 N-Nitrosodimethylamine	42		2.785					14
21 Benzaldehyde	77		5.952					149
23 Aniline	93		6.118					
22 Phenol	94		6.128					9
24 Bis(2-chloroethyl)ether	93		6.223					19
25 2-Chlorophenol	128		6.289					
26 1,3-Dichlorobenzene	146		6.508					9
27 1,4-Dichlorobenzene	146		6.622					9
28 Benzyl alcohol	108		6.841					
29 1,2-Dichlorobenzene	146		6.841					
31 2-Methylphenol	108		7.027					
32 2,2'-oxybis[1-chloropropane]	45		7.036					9
35 DFTPP								
33 Acetophenone	105		7.217					
34 N-Nitrosodi-n-propylamine	70		7.222					1
36 4-Methylphenol	108		7.274					
37 Hexachloroethane	117		7.336					1
38 Nitrobenzene	77		7.464					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
40 Isophorone	82		7.826					9
41 2-Nitrophenol	139		7.940					19
43 2,4-Dimethylphenol	107		8.054					
45 Bis(2-chloroethoxy)methane	93		8.173					19
44 Benzoic acid	105		8.235					
47 2,4-Dichlorophenol	162		8.325					
48 1,2,4-Trichlorobenzene	180		8.410					
49 Naphthalene	128		8.520					9
51 4-Chloroaniline	127		8.648					
52 Hexachlorobutadiene	225		8.715					9
54 Caprolactam	113		9.186					
55 4-Chloro-3-methylphenol	107		9.438					
56 2-Methylnaphthalene	142		9.561					9
57 1-Methylnaphthalene	142		9.704					19
58 Hexachlorocyclopentadiene	237		9.794					9
59 1,2,4,5-Tetrachlorobenzene	216		9.813					
60 2,4,6-Trichlorophenol	196		10.018					
61 2,4,5-Trichlorophenol	196		10.108					
62 1,1'-Biphenyl	154		10.265					
63 2-Chloronaphthalene	162		10.313					
64 Phenyl ether	170		10.427					
65 2-Nitroaniline	65		10.484					1
67 Dimethyl phthalate	163		10.764					
68 2,6-Dinitrotoluene	165		10.850					
69 Acenaphthylene	152		10.898					
70 3-Nitroaniline	138		11.116					
71 Acenaphthene	153		11.154					9
72 2,4-Dinitrophenol	184		11.288					149
73 Dibenzofuran	168		11.421					
74 2,4-Dinitrotoluene	165		11.459					19
75 4-Nitrophenol	109		11.492					19
76 2,3,4,6-Tetrachlorophenol	232		11.640					
78 Diethyl phthalate	149		11.811					9
79 Fluorene	166		11.920					9
80 4-Chlorophenyl phenyl ether	204		11.939					
81 4-Nitroaniline	138		12.025					
82 4,6-Dinitro-2-methylphenol	198		12.048					19
83 N-Nitrosodiphenylamine	169		12.115					19
16 1,2-Diphenylhydrazine	77		12.153					19
85 Azobenzene	77		12.153					19
86 Benzophenone	105		12.177					14
89 4-Bromophenyl phenyl ether	248		12.581					
91 Hexachlorobenzene	284		12.643					
93 Atrazine	200		12.833					
94 Pentachlorophenol	266		12.914					
97 Phenanthrene	178		13.142					9
98 Anthracene	178		13.204					9
99 Carbazole	167		13.413					19
102 Di-n-butyl phthalate	149		13.799					
104 Fluoranthene	202		14.422					
106 Pyrene	202		14.645					9
108 Butyl benzyl phthalate	149		15.244					

Report Date: 09-Mar-2013 10:23:55 Chrom Revision: 2.0 01-Feb-2013 10:03:10
Data File: \\Bufchrom\ChromData\HP5973X\20121221-17772.b\X3226.D

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
110 Bis(2-ethylhexyl) phthalate	149	15.734	15.739	-0.005	95	1404966	14.0	
109 3,3'-Dichlorobenzidine	252		15.739					19
111 Benzo[a]anthracene	228		15.753					
112 Chrysene	228		15.791					
113 Di-n-octyl phthalate	149		16.281					
114 Benzo[b]fluoranthene	252		16.695					
115 Benzo[k]fluoranthene	252		16.718					9
116 Benzo[a]pyrene	252		17.004					9
117 Indeno[1,2,3-cd]pyrene	276		18.155					9
118 Dibenz(a,h)anthracene	278		18.155					
119 Benzo[g,h,i]perylene	276		18.473					
S 120 3 & 4 Methylphenol	108		0.000					

QC Flag Legend

Processing Flags
1 - Missing Peaks
4 - Failed Signal Ratio Test
9 - Failed A Reference Spectral Test

TestAmerica Buffalo
Tentatively Identified Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973X\20121221-17772.b\X3226.D		
Lims ID:	480-30346-B-9-A	Client ID:	OC-SB-518-13/15-XXX
Inject. Date:	21-Dec-2012 11:54:30	Dil. Factor:	20.0000
Sample Type:	Client		
Sample ID:	480-0017772-006		
Misc. Info.:			
Operator:	ANM	Instrument ID:	HP5973X
Injection Vol:	1.0 ul	ALS Bottle#:	7
Lims Batch ID:	97046	Lims Sample ID:	6
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973X\20121221-17772.b\X-8270LL.m		
Last Update:	09-Mar-2013 10:23:53	Calib Date:	18-Dec-2012 14:44:30
Tic RT Window:	1.500 -0.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\Bufchrom\ChromData\Database\NIST98.L		
Min. Match:	85		
Process Host:	XAWRK034		

First Level Reviewer: mckernar Date: 21-Dec-2012 12:17:03

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ng/uL	Flags
1,4-Dioxane	2.452	1440		
Benzidine	14.531	278	0.005133	

Tentative Identified Compound Results

RT	Response	Amount ng/uL	Quant Cpnd	Qual	Lib Entry	Flags
		Unknown				
4.183	1580666	8.33	1			
108-38-3		Benzene, 1,3-dimethyl-				
4.663	386443	2.04	1	90	117394	
		Unknown				
15.073	124842	0.5010	5			
		Unknown				
15.881	155742	0.6251	5			
		Unknown				
17.008	318652	1.21	6			

Quantitation Compounds

Compound	RT	Response	Amount ng/uL
* 1 1,4-Dichlorobenzene-d4	6.575	948379	5.00
* 5 Chrysene-d12	15.772	1245807	5.00
* 6 Perylene-d12	17.065	1312167	5.00

QC Flag Legend

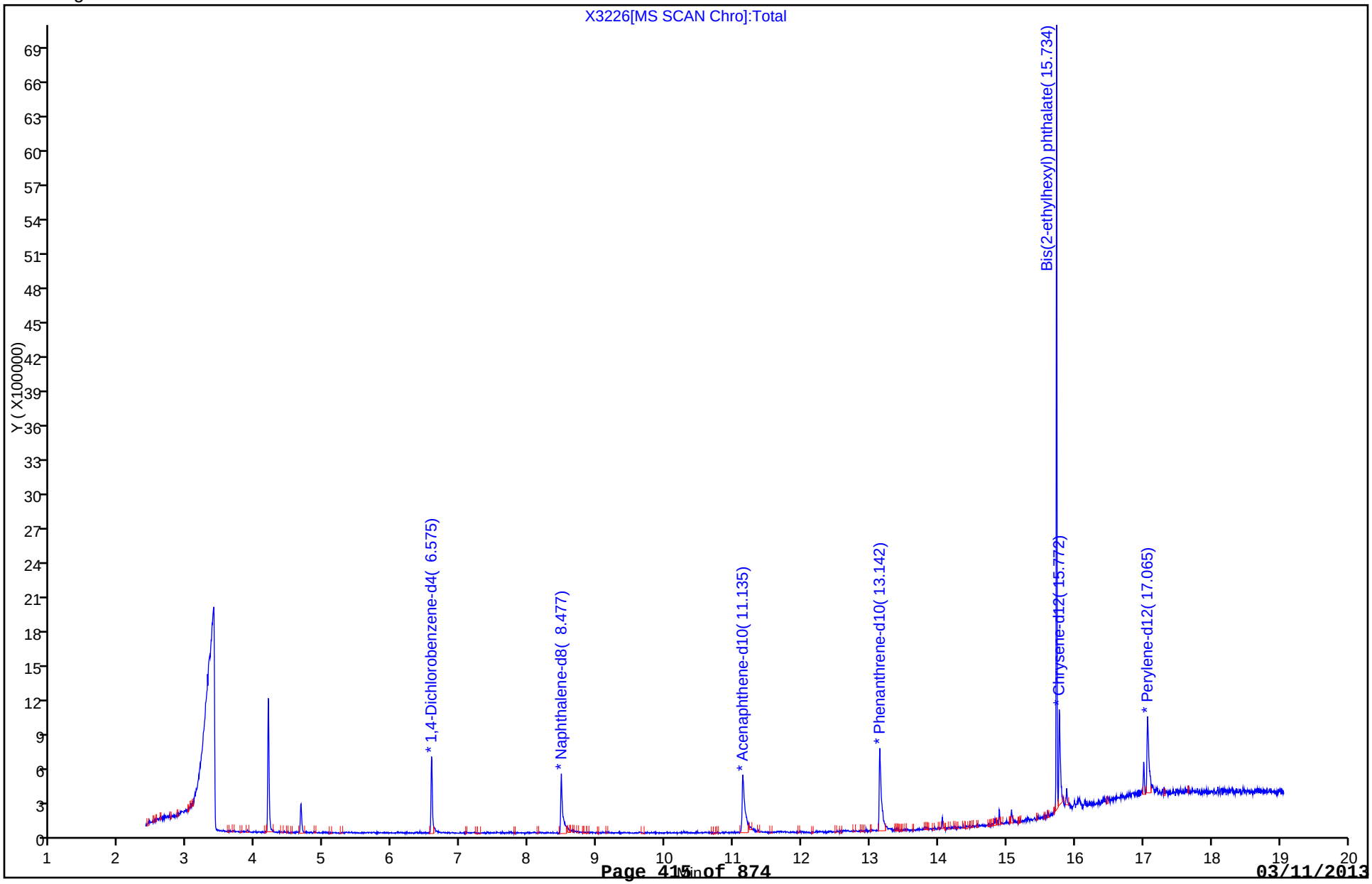
Processing Flags

Report Date: 09-Mar-2013 10:23:55 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121221-17772.b\X3226.D		
Injection Date:	21-Dec-2012 11:54:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-518-13/15-XXX	Instrument ID:	HP5973X
Lims Batch ID:	97046	Lims Sample ID:	6
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:

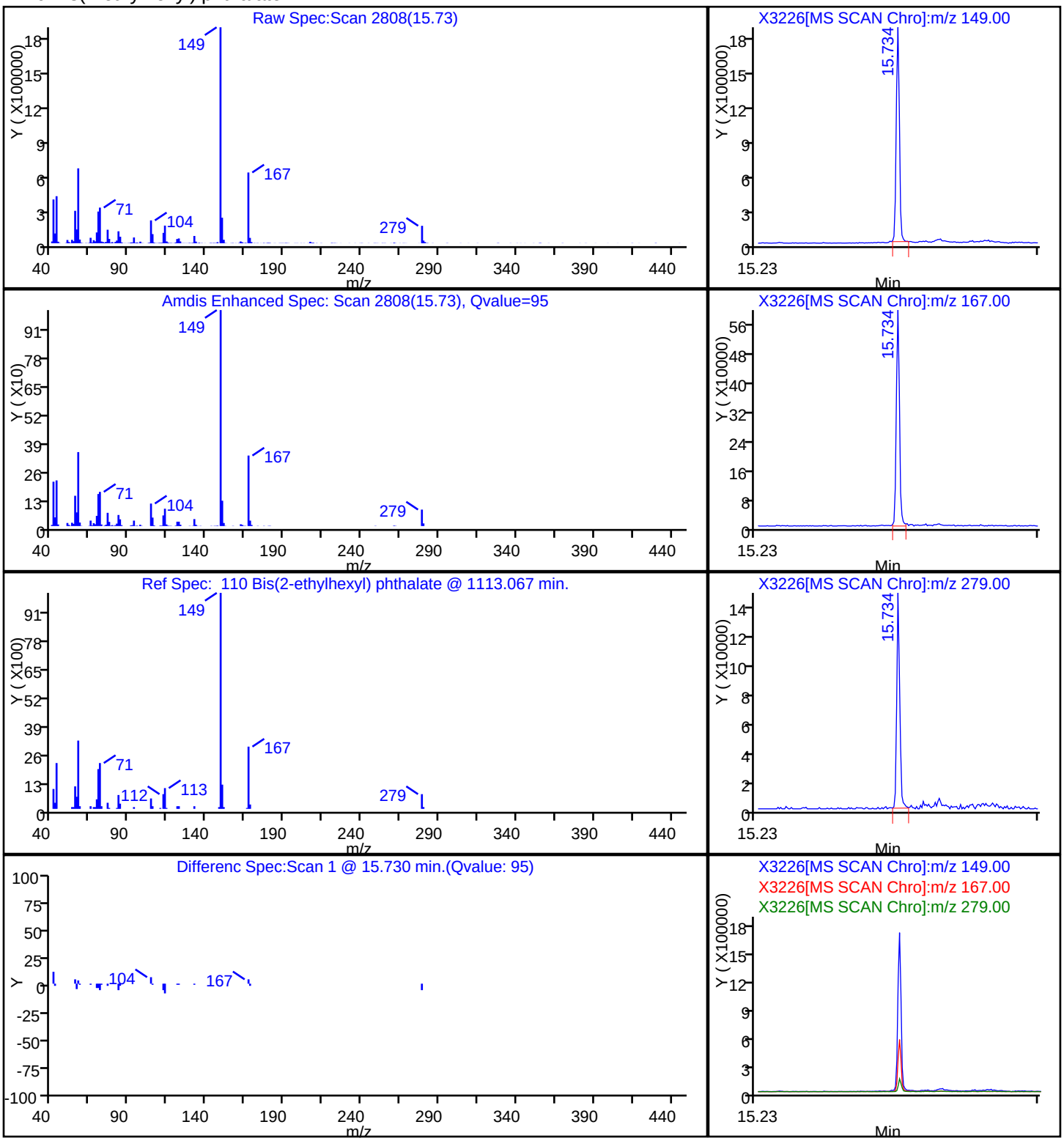


Report Date: 09-Mar-2013 10:23:55 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121221-17772.b\X3226.D		
Injection Date:	21-Dec-2012 11:54:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-518-13/15-XXX	Instrument ID:	HP5973X
Lims Batch ID:	97046	Lims Sample ID:	6
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

110 Bis(2-ethylhexyl) phthalate

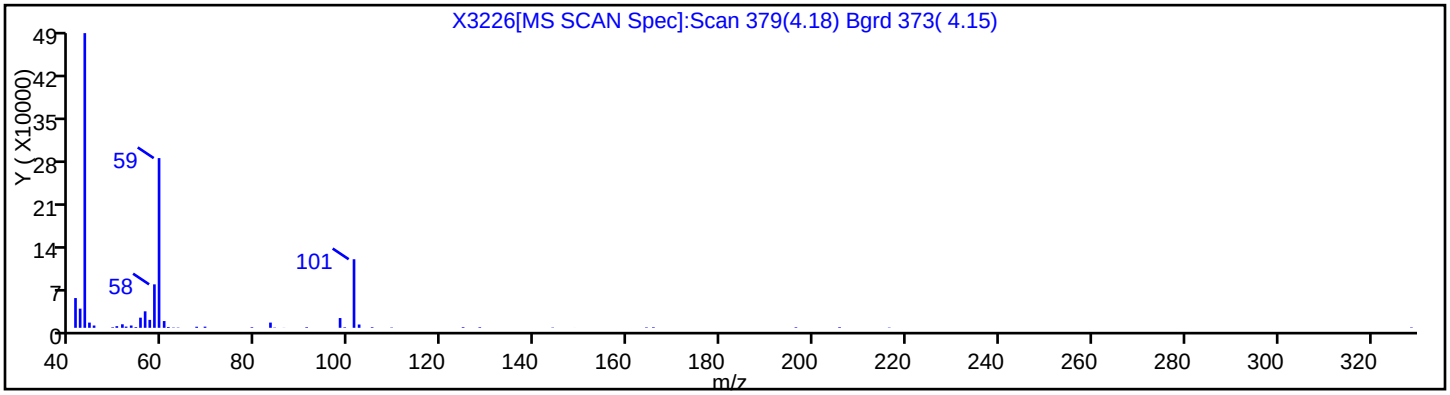


Report Date: 09-Mar-2013 10:23:55 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121221-17772.b\X3226.D		
Injection Date:	21-Dec-2012 11:54:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-518-13/15-XXX	Instrument ID:	HP5973X
Lims Batch ID:	97046	Lims Sample ID:	6
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85

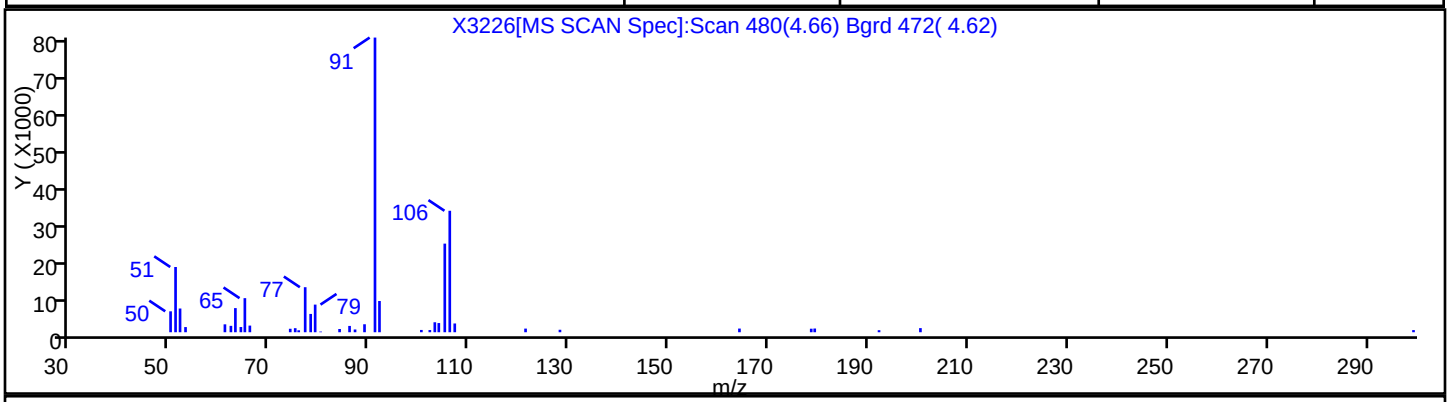


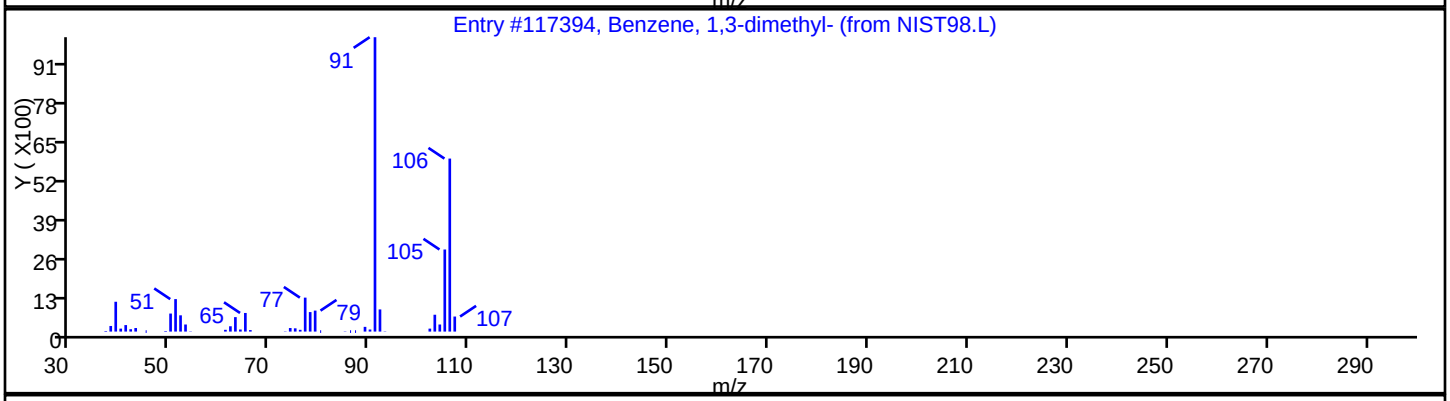
Report Date: 09-Mar-2013 10:23:55 Chrom Revision: 2.0 01-Feb-2013 10:03:10

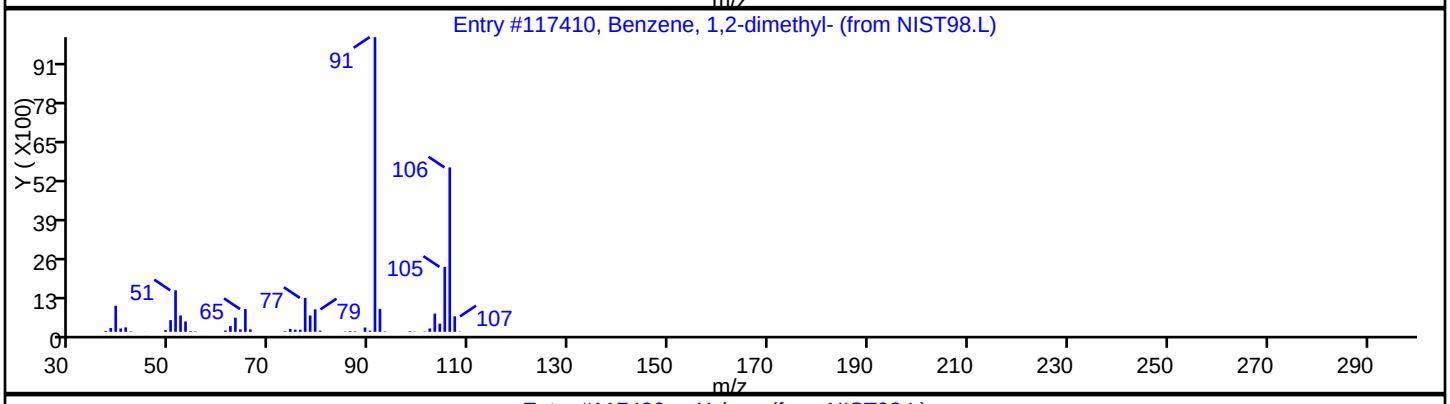
TestAmerica Buffalo

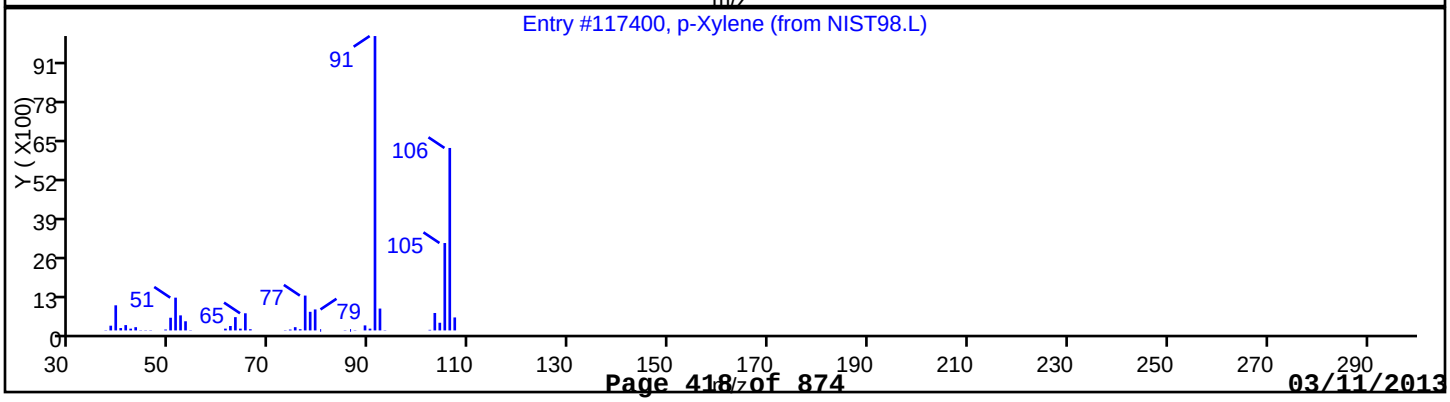
Data File:	\\Bufchrom\ChromData\HP5973X\20121221-17772.b\X3226.D		
Injection Date:	21-Dec-2012 11:54:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-518-13/15-XXX	Instrument ID:	HP5973X
Lims Batch ID:	97046	Lims Sample ID:	6
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Benzene, 1,3-dimethyl-	108-38-3	NIST98.L	117394	90
Benzene, 1,2-dimethyl-	95-47-6	NIST98.L	117410	90
p-Xylene	106-42-3	NIST98.L	117400	90







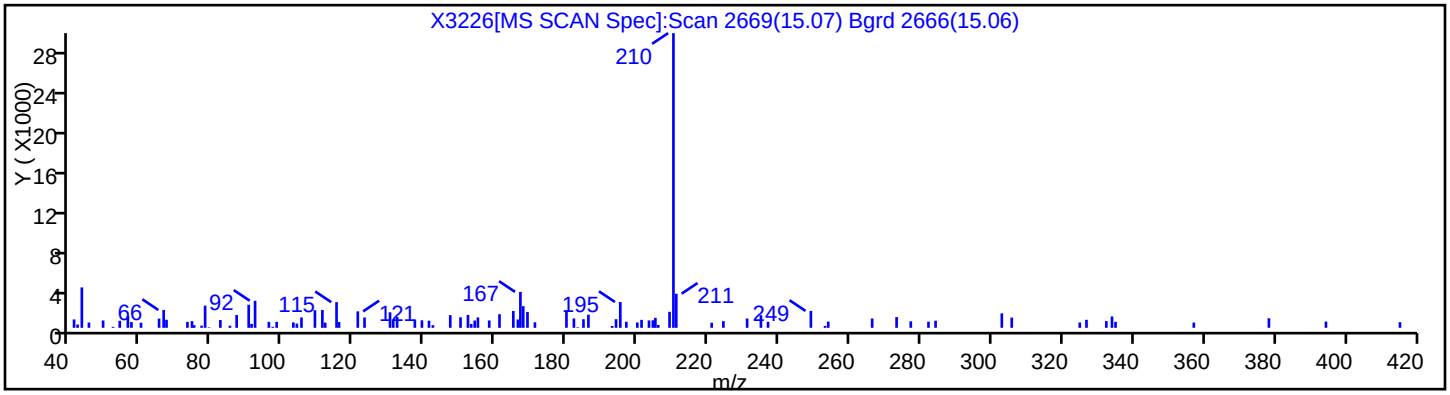


Report Date: 09-Mar-2013 10:23:55 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121221-17772.b\X3226.D		
Injection Date:	21-Dec-2012 11:54:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-518-13/15-XXX	Instrument ID:	HP5973X
Lims Batch ID:	97046	Lims Sample ID:	6
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85

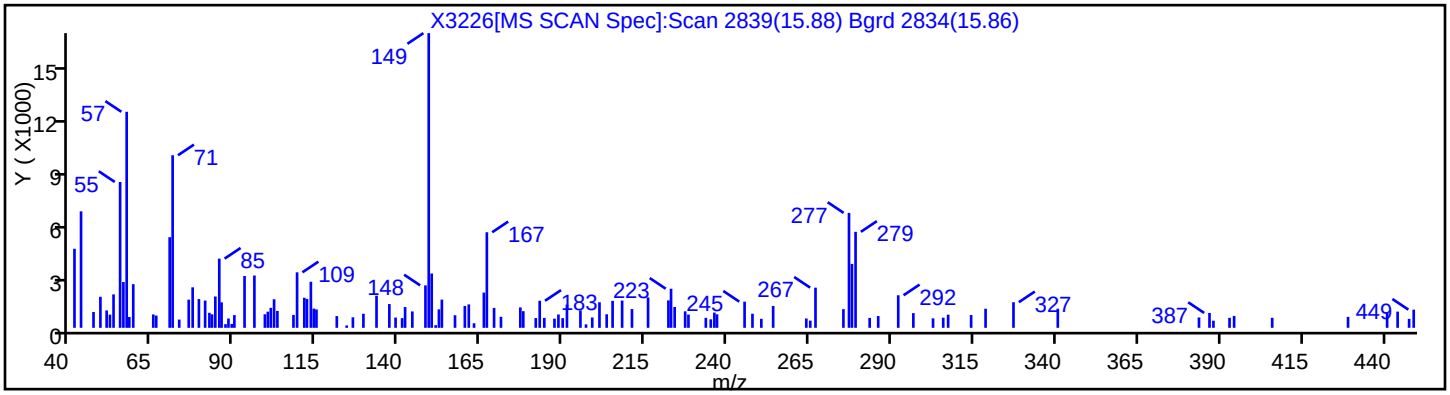


Report Date: 09-Mar-2013 10:23:55 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121221-17772.b\X3226.D		
Injection Date:	21-Dec-2012 11:54:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-518-13/15-XXX	Instrument ID:	HP5973X
Lims Batch ID:	97046	Lims Sample ID:	6
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85

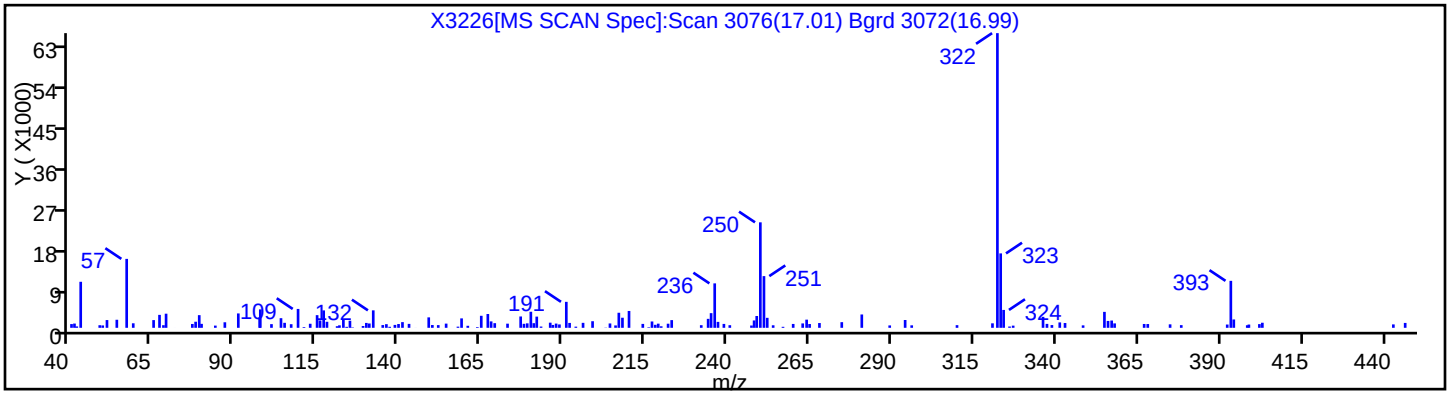


Report Date: 09-Mar-2013 10:23:55 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121221-17772.b\X3226.D		
Injection Date:	21-Dec-2012 11:54:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-518-13/15-XXX	Instrument ID:	HP5973X
Lims Batch ID:	97046	Lims Sample ID:	6
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85



FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-30346-1 Analy Batch No.: 96347

SDG No.:

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/18/2012 11:20 Calibration End Date: 12/18/2012 14:44 Calibration ID: 11641

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-96347/2	X3131.D
Level 2	IC 480-96347/3	X3132.D
Level 3	IC 480-96347/4	X3133.D
Level 4	IC 480-96347/5	X3134.D
Level 5	ICIS 480-96347/6	X3135.D
Level 6	IC 480-96347/7	X3136.D
Level 7	IC 480-96347/8	X3137.D
Level 8	IC 480-96347/9	X3138.D
Level 9	IC 480-96347/10	X3139.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
1,4-Dioxane	1.1446 0.5041	0.8665 0.5250	0.5413 0.5050	0.5278 0.5011	0.5174	Lin1	0.0802	0.5017							0.9980		0.9900
N-Nitrosodimethylamine	 0.8863	0.9721 0.9403	0.8865 0.8828	0.9423 0.9235	0.8741	Ave		0.9135				3.9		30.0			
Pyridine	 0.9817	0.9281 1.0386	0.6487 1.0885	1.0226 0.7731	0.9391	Ave		0.9276				16.0		20.0			
Benzaldehyde	 1.0763	0.8473 1.0635	1.0177 1.0438	1.1517 0.9588	0.6811	Ave		0.9800			0.0100	15.0		30.0			
Aniline	 1.9621	1.7270 1.9750	1.6484 2.0098	2.0742 1.4539	1.7951	Ave		1.8307				12.0		20.0			
Phenol	 1.6176	1.2105 1.5984	1.3401 1.6898	1.6689 1.5805	1.4788	Ave		1.5231			0.7000	11.0		20.0			
Bis(2-chloroethyl)ether	 1.2996	0.9554 1.2450	1.1261 1.2943	1.2691 1.2407	1.1621	Ave		1.1990			0.6000	9.7		20.0			
2-Chlorophenol	 1.3902	1.0328 1.3771	1.1884 1.4026	1.4155 1.3326	1.2192	Ave		1.2948			0.8000	10.0		20.0			
1,3-Dichlorobenzene	 1.6085	1.8467 1.5691	1.4347 1.6545	1.7076 1.5294	1.4969	Ave		1.6059				8.1		20.0			
1,4-Dichlorobenzene	1.5059 1.5688	1.5849 1.5964	1.5140 1.7196	1.8613 1.5675	1.5189	Ave		1.6041				7.2		20.0			
1,2-Dichlorobenzene	1.3867 1.5162	1.5735 1.5105	1.3250 1.5810	1.6909 1.4781	1.3998	Ave		1.4957				7.6		20.0			
Benzyl alcohol	 0.5239	0.0364 0.4485	0.2992 0.5167	0.5218 0.6264	0.4876	QuaF		0.3662	0.0123						0.9920		0.9900
2-Methylphenol	 1.1500	0.9015 1.1240	0.9641 1.1845	1.1637 1.1538	1.0531	Ave		1.0868			0.6000	9.6		20.0			

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

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-30346-1 Analy Batch No.: 96347

SDG No.:

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/18/2012 11:20 Calibration End Date: 12/18/2012 14:44 Calibration ID: 11641

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
2,2'-oxybis[1-chloropropane]	1.9836	1.9861 1.9409	1.8703 2.0162	2.1042 1.9131	1.7790	Ave		1.9492			0.0100	5.0		20.0			
Acetophenone	1.9842	1.2185 2.0045	1.6976 2.1377	1.9788 1.9992	1.8139	Ave		1.8543			0.0100	16.0		20.0			
Benzoic acid	0.1655	0.0071 0.1959	+++++ 0.1952	0.2298 0.2324	0.1270	QuaF		0.1301	0.0050						0.9920		0.9900
N-Nitrosodi-n-propylamine	1.0109	0.7295 1.0019	0.7441 1.0444	1.0165 1.0149	0.8883	Ave		0.9313			0.0500	14.0		20.0			
4-Methylphenol	1.2207	0.8916 1.1125	1.2212 1.1433	1.0421 1.1314	1.0429	Ave		1.1007			0.6000	9.9		30.0			
Hexachloroethane	1.0621 0.6395	0.7090 0.6404	0.5679 0.6461	0.7448 0.6291	0.5791	Lin1	0.0381	0.6318			0.3000				0.9980		0.9900
Nitrobenzene	0.4279	0.2642 0.4399	0.3276 0.4340	0.4274 0.4091	0.3832	Ave		0.3891			0.1000	16.0		20.0			
Isophorone	0.6864	0.5681 0.7050	0.5370 0.6950	0.6391 0.6600	0.6296	Ave		0.6400			0.3000	9.5		20.0			
2-Nitrophenol	0.1939	0.1212 0.2028	0.1602 0.1960	0.1731 0.2026	0.1670	Ave		0.1771			0.1000	16.0		20.0			
2,4-Dimethylphenol	0.3342	0.2809 0.3341	0.3354 0.3354	0.3478 0.3439	0.3605	Ave		0.3340			0.1000	7.0		20.0			
Bis(2-chloroethoxy)methane	0.4075	0.2317 0.4152	0.4041 0.4034	0.3880 0.4025	0.3802	Ave		0.3791			0.2000	16.0		20.0			
2,4-Dichlorophenol	0.3066	0.1964 0.2983	0.2450 0.2964	0.2878 0.2876	0.2565	Ave		0.2718			0.1000	14.0		20.0			
1,2,4-Trichlorobenzene	0.3405	0.3639 0.3530	0.3136 0.3399	0.3308 0.3238	0.3076	Ave		0.3341				5.7		20.0			
Naphthalene	1.0433 1.1148	1.1736 1.1246	1.1795 1.0861	1.1537 0.9997	1.0933	Ave		1.1076			0.6000	5.4		20.0			
4-Chloroaniline	0.4528	0.3125 0.4651	0.2848 0.4492	0.4034 0.4052	0.4331	Ave		0.4008			0.0100	17.0		20.0			
Hexachlorobutadiene	0.1874	0.1820 0.1882	0.1776 0.1864	0.1989 0.1737	0.1664	Ave		0.1826			0.0100	5.5		20.0			
Caprolactam	0.1052	0.0717 0.1065	0.0797 0.1127	0.1174 0.1059	0.0924	Ave		0.0989			0.0100	16.0		30.0			
4-Chloro-3-methylphenol	0.3246	0.2024 0.3360	0.2488 0.3261	0.3477 0.3128	0.3041	Ave		0.3003			0.2000	16.0		20.0			
2-Methylnaphthalene	0.7940	0.7475 0.8214	0.8013 0.8073	0.7921 0.7341	0.7131	Ave		0.7764			0.4000	5.1		20.0			
1-Methylnaphthalene	0.7108	0.6609 0.7275	0.7706 0.7358	0.7347 0.6868	0.6938	Ave		0.7151				4.8		20.0			

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

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-30346-1 Analy Batch No.: 96347

SDG No.:

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/18/2012 11:20 Calibration End Date: 12/18/2012 14:44 Calibration ID: 11641

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Hexachlorocyclopentadiene	0.2055	0.1874	0.0652 0.2168	0.1030 0.2176	0.1285	QuaF		0.1581	0.0032		0.0500				0.9900		0.9900
1,2,4,5-Tetrachlorobenzene	0.4823	0.3762 0.4675	0.4871 0.4933	0.5467 0.4705	0.4292	Ave		0.4691			0.0100	11.0		20.0			
2,4,6-Trichlorophenol	0.3242	0.2364 0.3093	0.2627 0.3161	0.2925 0.2983	0.2705	Ave		0.2887			0.2000	10.0		20.0			
2,4,5-Trichlorophenol	0.2965	0.2991 0.2843	0.2284 0.2991	0.2939 0.2961	0.2370	Ave		0.2793			0.2000	10.0		20.0			
1,1'-Biphenyl	1.5166	1.4303 1.4888	1.4108 1.4543	1.5191 1.3495	1.3953	Ave		1.4456			0.0100	4.2		30.0			
2-Chloronaphthalene	1.1165	2.3588 1.0884	1.5770 1.1220	1.2997 1.0545	1.1518	Lin1	0.6190	1.0411			0.8000				0.9990		0.9900
Phenyl ether	0.7899	0.7785 0.8072	0.7491 0.7911	0.8294 0.7705	0.7737	Ave		0.7862				3.1		20.0			
2-Nitroaniline	0.3730	0.2955 0.3802	0.2321 0.3895	0.2872 0.3902	0.3015	Ave		0.3311			0.0100	18.0		20.0			
Dimethyl phthalate	1.3521	1.1892 1.3445	1.2515 1.3330	1.3686 1.2838	1.2285	Ave		1.2939			0.0100	5.1		20.0			
2,6-Dinitrotoluene	0.6372	0.4403 0.6256	0.5758 0.6322	0.5890 0.6271	0.5652	Ave		0.5865			0.1000	11.0		20.0			
Acenaphthylene	1.7831	1.7975 1.7740	1.8114 1.7432	1.8577 1.5943	1.6305	Ave		1.7489			0.9000	5.2		20.0			
3-Nitroaniline	0.3249	0.3162	0.2009 0.3472	0.3008 0.3158	0.2334	Ave		0.2913			0.0100	18.0		20.0			
Acenaphthene	1.6440 1.1655	1.2341 1.1730	1.1911 1.1505	1.2142 1.0920	1.0960	Ave		1.2178			0.8000	14.0		20.0			
2,4-Dinitrophenol	0.1390	0.1206	0.0381 0.1419	0.0721 0.1694	0.1014	QuaF		0.0845	0.0021		0.0500				0.9950		0.9900
Dibenzofuran	0.8975 1.5978	1.5941 1.6129	1.5079 1.5539	1.6313 1.4556	1.5187	Ave		1.4855			0.8000	15.0		20.0			
2,4-Dinitrotoluene	0.4263	0.2793 0.3985	0.3821 0.4305	0.3300 0.4160	0.3324	Ave		0.3744			0.2000	15.0		20.0			
4-Nitrophenol	0.2843	0.2750	0.1710 0.2953	0.2357 0.2830	0.2075	Ave		0.2503			0.0500	19.0		20.0			
2,3,4,6-Tetrachlorophenol	0.2711	0.1610 0.2430	0.2472 0.2084	0.2766 0.2102	0.1800	Ave		0.2247			0.0100	19.0		30.0			
Diethyl phthalate	1.4600	1.3432 1.4397	1.4998 1.4111	1.5083 1.3114	1.3609	Ave		1.4168			0.0100	5.2		20.0			
Fluorene	1.4314	1.3086 1.3712	1.3591 1.3621	1.4320 1.2830	1.3218	Ave		1.3586			0.8000	4.0		20.0			

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

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-30346-1 Analy Batch No.: 96347

SDG No.:

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/18/2012 11:20 Calibration End Date: 12/18/2012 14:44 Calibration ID: 11641

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
4-Chlorophenyl phenyl ether	0.6025	0.5804 0.6334	0.6402 0.6023	0.5785 0.5843	0.5921	Ave		0.6017			0.4000	3.9		20.0			
4-Nitroaniline	0.3293	0.0116 0.3263	0.2764 0.3413	0.2853 0.3266	0.2623	Lin1	-0.139	0.3381			0.0100				0.9960		0.9900
4,6-Dinitro-2-methylphenol	0.2297	0.0847 0.2113	0.1009 0.2284	0.1276 0.2272	0.1752	Lin1	-0.224	0.2283			0.0100				0.9920		0.9900
Diphenylamine	0.8148 1.2530	1.1180 1.2436	1.1744 1.2447	1.3298 1.1004	1.1936	Ave		1.1636				13.0		30.0			
N-Nitrosodiphenylamine	0.8073 1.2530	1.1180 1.2436	1.1744 1.2447	1.3298 1.1004	1.1936	Ave		1.1627			0.0100	13.0		20.0			
1,2-Diphenylhydrazine	0.8239	0.6533 0.7937	0.5700 0.8862	0.7848 0.7821	0.7182	Ave		0.7515				13.0		30.0			
Azobenzene	0.8239	0.6408 0.7937	0.5700 0.8862	0.7848 0.7821	0.7182	Ave		0.7500				14.0		20.0			
Benzophenone	1.2173	1.3620 1.2576	1.1096 1.1433	1.3187 1.0671	1.0371	Ave		1.1891				10.0		20.0			
4-Bromophenyl phenyl ether	0.2002	0.1812 0.1882	0.1668 0.2019	0.1956 0.1979	0.1676	Ave		0.1874			0.1000	7.6		20.0			
Hexachlorobenzene	0.0914 0.2037	0.1411 0.1882	0.1769 0.2048	0.2113 0.1960	0.1909	Lin1	-0.013	0.1991			0.1000				0.9980		0.9900
Atrazine	0.3913	0.3743 0.3902	0.3615 0.3736	0.3838 +++++	0.3579	Ave		0.3761			0.0100	3.5		20.0			
Pentachloronitrobenzene	0.1105	0.0525 0.1074	0.0599 0.1106	0.0823 0.1069	0.0928	Lin1	-0.040	0.1102							0.9970		0.9900
Pentachlorophenol	0.1012	0.0610 0.0925	0.0304 0.1057	0.0661 0.1009	0.0794	Lin1	-0.091	0.1020			0.0500				0.9900		0.9900
Phenanthrene	1.0661 1.1266	1.1412 1.1057	1.1507 1.1133	1.2468 0.9950	1.0855	Ave		1.1145			0.6000	6.1		20.0			
Anthracene	1.2584 1.1523	1.0912 1.1445	1.1347 1.1358	1.2202 0.9932	1.0862	Ave		1.1352			0.7000	6.8		20.0			
Carbazole	1.0886	1.0323 1.0810	0.9955 1.0885	1.1037 1.0063	1.0233	Ave		1.0524			0.0100	4.0		20.0			
Di-n-butyl phthalate	0.8812 1.2933	1.2706 1.3087	1.2352 1.2561	1.4167 1.0681	1.2495	Ave		1.2199			0.0100	13.0		20.0			
Fluoranthene	1.1417	0.9614 1.1293	1.1271 1.1437	1.2164 1.0060	1.1024	Ave		1.1035			0.6000	7.4		20.0			
Benzidine	0.5073	0.5032 0.6052	0.6502 0.4930	0.6240 +++++	0.4829	Ave		0.5523				13.0		20.0			
Pyrene	1.3636	1.4057 1.3997	1.3819 1.2855	1.3654 1.2162	1.2995	Ave		1.3397			0.6000	4.9		20.0			

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

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-30346-1 Analy Batch No.: 96347

SDG No.:

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/18/2012 11:20 Calibration End Date: 12/18/2012 14:44 Calibration ID: 11641

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Butyl benzyl phthalate	0.7889	0.7110 0.7915	0.6917 0.7594	0.7276 0.7415	0.7154	Ave		0.7409			0.0100	4.9		20.0			
Bis(2-ethylhexyl) phthalate	1.2693 1.0341	0.9335 1.0747	0.9732 1.0069	0.9953 0.9403	0.9516	Ave		1.0199			0.0100	10.0		20.0			
3,3'-Dichlorobenzidine	0.5004	0.2789 0.5119	0.4161 0.5007	0.4526 0.5075	0.4257	Ave		0.4492			0.0100	17.0		20.0			
Benzo[a]anthracene	1.1846	0.9271 1.2047	0.9780 1.1428	0.9952 1.0840	1.1008	Ave		1.0772			0.6000	9.4		20.0			
Chrysene	1.1158	1.6341 1.1010	1.5279 1.0703	1.2709 1.0217	1.0332	Ave		1.2219			0.6000	19.0		20.0			
Di-n-octyl phthalate	1.9692 1.5724	1.6068 1.6256	1.7034 1.4850	1.5966 1.3512	1.5622	Ave		1.6081			0.0100	10.0		20.0			
Benzo[b]fluoranthene	1.2359	1.1229 1.2490	1.0527 1.2571	1.1363 1.1400	1.0955	Ave		1.1612			0.7000	6.6		20.0			
Benzo[k]fluoranthene	1.2572	1.2473 1.2013	1.0665 1.1883	1.3175 1.0914	1.2025	Ave		1.1965			0.7000	7.0		20.0			
Benzo[a]pyrene	1.3191 1.0922	1.2185 1.1063	1.0511 1.1148	1.1686 1.0185	1.0163	Ave		1.1228			0.7000	8.8		20.0			
Dibenz(a,h)anthracene	1.0692	1.0857 1.0468	0.7776 1.1284	0.9736 1.1260	0.9292	Ave		1.0171			0.4000	12.0		20.0			
Indeno[1,2,3-cd]pyrene	1.2609	1.2168 1.2632	1.0086 1.3366	1.1148 1.2897	1.0962	Ave		1.1984			0.5000	9.4		20.0			
Benzo[g,h,i]perylene	1.0433	0.9328 0.9358	1.0166 1.1034	0.8922 1.1261	0.9496	Ave		1.0000			0.4000	8.6		20.0			
2-Fluorophenol	1.2039	0.8591 1.2120	1.1028 1.2662	1.1340 1.2096	1.0896	Ave		1.1347				11.0		20.0			
Phenol-d5	1.5520	0.8526 1.4387	1.4304 1.5765	1.3722 1.5057	1.3196	Ave		1.3810				17.0		20.0			
Nitrobenzene-d5	0.4043	0.2477 0.4170	0.3411 0.4256	0.3835 0.4061	0.3738	Ave		0.3749				15.0		20.0			
2-Fluorobiphenyl	1.3635	1.0456 1.2785	1.2561 1.3214	1.3151 1.2267	1.2316	Ave		1.2548				7.7		20.0			
2,4,6-Tribromophenol	0.0946	0.0866 0.0940	0.0800 0.1052	0.0901 0.0931	0.0923	Ave		0.0920				7.8		20.0			
p-Terphenyl-d14	1.0184	1.0126 1.0095	0.8597 0.9759	0.9864 0.9330	0.9171	Ave		0.9641				5.8		20.0			

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

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-30346-1 Analy Batch No.: 96347

SDG No.:

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/18/2012 11:20 Calibration End Date: 12/18/2012 14:44 Calibration ID: 11641

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-96347/2	X3131.D
Level 2	IC 480-96347/3	X3132.D
Level 3	IC 480-96347/4	X3133.D
Level 4	IC 480-96347/5	X3134.D
Level 5	ICIS 480-96347/6	X3135.D
Level 6	IC 480-96347/7	X3136.D
Level 7	IC 480-96347/8	X3137.D
Level 8	IC 480-96347/9	X3138.D
Level 9	IC 480-96347/10	X3139.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
1,4-Dioxane	DCB	Lin1	5050 274129	19150 238920	25494 349464	51855 511598	123654	0.100 8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
N-Nitrosodimethylamine	DCB	Ave	 481999	21483 427954	41753 610901	92572 942927	208910	 8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Pyridine	DCB	Ave	 533896	20512 472669	30554 753190	100467 789371	224441	 8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Benzaldehyde	DCB	Ave	 585331	18726 484031	47929 722290	113145 978974	162790	 8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Aniline	DCB	Ave	 1067055	38168 898855	77634 1390701	203774 1484543	429032	 8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Phenol	DCB	Ave	 879706	26753 727444	63116 1169263	163955 1613726	353444	 8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Bis(2-chloroethyl)ether	DCB	Ave	 706760	21116 566636	53034 895601	124678 1266802	277749	 8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
2-Chlorophenol	DCB	Ave	 756039	22826 626749	55968 970541	139058 1360622	291390	 8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
1,3-Dichlorobenzene	DCB	Ave	 874752	40813 714124	67570 1144885	167759 1561543	357774	 8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
1,4-Dichlorobenzene	DCB	Ave	6644 853150	35027 726551	71304 1189909	182861 1600502	363036	0.100 8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
1,2-Dichlorobenzene	DCB	Ave	6118 824565	34776 687435	62406 1093976	166114 1509239	334550	0.100 8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Benzyl alcohol	DCB	QuaF	 284927	804 204121	14091 357574	51260 639595	116541	 8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
2-Methylphenol	DCB	Ave	 625380	19924 511538	45407 819659	114323 1178092	251708	 8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
2,2'-oxybis[1-chloropropane]	DCB	Ave	 1078723	43894 883332	88085 1395123	206722 1953355	425189	 8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-30346-1 Analy Batch No.: 96347

SDG No.:

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/18/2012 11:20 Calibration End Date: 12/18/2012 14:44 Calibration ID: 11641

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Acetophenone	DCB	Ave	1079098	26930 912298	79952 1479202	194399 2041251	433526	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Benzoic acid	NPT	QuaF	336624	577 323222	+++++ 519009	89300 890624	114208	8.00	0.500 10.0	+++++ 15.0	2.50 20.0	5.00
N-Nitrosodi-n-propylamine	DCB	Ave	549733	16123 455997	35043 722699	99867 1036267	212308	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
4-Methylphenol	DCB	Ave	663847	19705 506328	57517 791119	102383 1155222	249264	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Hexachloroethane	DCB	Lin1	4686 347801	15669 291465	26747 447097	73168 642324	138413	0.100 8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Nitrobenzene	NPT	Ave	870162	21483 725852	55225 1153942	166093 1567636	344606	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Isophorone	NPT	Ave	1395972	46194 1163254	90545 1848060	248371 2529047	566208	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
2-Nitrophenol	NPT	Ave	394353	9854 334536	27016 521090	67259 776160	150183	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
2,4-Dimethylphenol	NPT	Ave	679754	22845 551253	56555 891742	135144 1317566	324231	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Bis(2-chloroethoxy)methane	NPT	Ave	828733	18841 684999	68136 1072679	150792 1542456	341969	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
2,4-Dichlorophenol	NPT	Ave	623483	15967 492239	41301 788203	111825 1102161	230653	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
1,2,4-Trichlorobenzene	NPT	Ave	692492	29590 582458	52870 903943	128556 1240609	276669	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Naphthalene	NPT	Ave	15303 2267220	95430 1855626	198868 2887977	448321 3830652	983298	0.100 8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
4-Chloroaniline	NPT	Ave	920833	25413 767419	48018 1194419	156755 1552735	389521	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Hexachlorobutadiene	NPT	Ave	381102	14803 310593	29942 495575	77304 665576	149687	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Caprolactam	NPT	Ave	213982	5831 175706	13444 299627	45612 405696	83067	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
4-Chloro-3-methylphenol	NPT	Ave	660073	16457 554322	41948 866986	135114 1198666	273525	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
2-Methylnaphthalene	NPT	Ave	1614748	60786 1355238	135097 2146729	307828 2812964	641367	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
1-Methylnaphthalene	NPT	Ave	1445623	53740 1200320	129919 1956456	285503 2631760	623980	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Hexachlorocyclopentadiene	ANT	QuaF	268404	204383	6833 378558	25663 543807	74568	8.00	10.0	1.00 15.0	2.50 20.0	5.00
1,2,4,5-Tetrachlorobenzene	ANT	Ave	629812	18475 509829	51072 861450	136160 1175625	249086	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-30346-1 Analy Batch No.: 96347

SDG No.:

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/18/2012 11:20 Calibration End Date: 12/18/2012 14:44 Calibration ID: 11641

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
2,4,6-Trichlorophenol	ANT	Ave		11611	27547	72851	156965		0.500	1.00	2.50	5.00
			423301	337292	551924	745358		8.00	10.0	15.0	20.0	
2,4,5-Trichlorophenol	ANT	Ave		14692	23950	73198	137551		0.500	1.00	2.50	5.00
			387150	310061	522303	739930		8.00	10.0	15.0	20.0	
1,1'-Biphenyl	ANT	Ave		70247	147932	378332	809768		0.500	1.00	2.50	5.00
			1980431	1623648	2539483	3372086		8.00	10.0	15.0	20.0	
2-Chloronaphthalene	ANT	Lin1		115849	165356	323689	668430		0.500	1.00	2.50	5.00
			1457956	1187040	1959232	2635052		8.00	10.0	15.0	20.0	
Phenyl ether	ANT	Ave		38232	78549	206565	449001		0.500	1.00	2.50	5.00
			1031531	880313	1381412	1925297		8.00	10.0	15.0	20.0	
2-Nitroaniline	ANT	Ave		14515	24342	71533	174954		0.500	1.00	2.50	5.00
			487023	414625	680120	974942		8.00	10.0	15.0	20.0	
Dimethyl phthalate	ANT	Ave		58407	131233	340849	712993		0.500	1.00	2.50	5.00
			1765594	1466290	2327603	3207926		8.00	10.0	15.0	20.0	
2,6-Dinitrotoluene	ANT	Ave		21625	60374	146693	327996		0.500	1.00	2.50	5.00
			832086	682331	1103880	1566924		8.00	10.0	15.0	20.0	
Acenaphthylene	ANT	Ave		88280	189943	462652	946253		0.500	1.00	2.50	5.00
			2328468	1934738	3043882	3983727		8.00	10.0	15.0	20.0	
3-Nitroaniline	ANT	Ave			21070	74904	135474			1.00	2.50	5.00
			424215	344877	606310	789115		8.00	10.0	15.0	20.0	
Acenaphthene	ANT	Ave	17157	60610	124892	302406	636064	0.100	0.500	1.00	2.50	5.00
			1522028	1279309	2009024	2728770		8.00	10.0	15.0	20.0	
2,4-Dinitrophenol	ANT	QuaF			7990	35900	117671			2.00	5.00	10.0
			362929	263071	495556	846602		16.0	20.0	30.0	40.0	
Dibenzofuran	ANT	Ave	9367	78290	158117	406272	881367	0.100	0.500	1.00	2.50	5.00
			2086550	1759046	2713459	3637301		8.00	10.0	15.0	20.0	
2,4-Dinitrotoluene	ANT	Ave		13719	40061	82195	192907		0.500	1.00	2.50	5.00
			556737	434611	751696	1039381		8.00	10.0	15.0	20.0	
4-Nitrophenol	ANT	Ave			35867	117392	240901			2.00	5.00	10.0
			742608	599830	1031347	1414081		16.0	20.0	30.0	40.0	
2,3,4,6-Tetrachlorophenol	ANT	Ave		7906	25922	68881	104485		0.500	1.00	2.50	5.00
			354070	265067	363823	525225		8.00	10.0	15.0	20.0	
Diethyl phthalate	ANT	Ave		65968	157267	375633	789783		0.500	1.00	2.50	5.00
			1906615	1570153	2463981	3276872		8.00	10.0	15.0	20.0	
Fluorene	ANT	Ave		64267	142510	356637	767084		0.500	1.00	2.50	5.00
			1869207	1495486	2378424	3205979		8.00	10.0	15.0	20.0	
4-Chlorophenyl phenyl ether	ANT	Ave		28503	67135	144079	343625		0.500	1.00	2.50	5.00
			786759	690804	1051673	1460150		8.00	10.0	15.0	20.0	
4-Nitroaniline	ANT	Lin1		571	28981	71047	152208		0.500	1.00	2.50	5.00
			429983	355912	596014	816043		8.00	10.0	15.0	20.0	
4,6-Dinitro-2-methylphenol	ANT	Lin1		8320	21166	63572	203339		1.00	2.00	5.00	10.0
			599821	460957	797804	1135498		16.0	20.0	30.0	40.0	

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-30346-1 Analy Batch No.: 96347

SDG No.:

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/18/2012 11:20 Calibration End Date: 12/18/2012 14:44 Calibration ID: 11641

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Diphenylamine	PHN	Ave	14149 2811342	101850 2356835	224688 3579551	553188 4516590	1192504	0.100 8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
N-Nitrosodiphenylamine	PHN	Ave	14018 2811342	101850 2356835	224688 3579551	553188 4516590	1192504	0.100 8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
1,2-Diphenylhydrazine	PHN	Ave	 1848610	59521 1504259	109056 2548510	326470 3210046	717552	 8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Azobenzene	PHN	Ave	 1848610	58380 1504259	109056 2548510	326470 3210046	717552	 8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Benzophenone	ANT	Ave	 1589648	66890 1371516	116350 1996456	328414 2666580	601879	 8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
4-Bromophenyl phenyl ether	PHN	Ave	 449135	16508 356637	31913 580487	81359 812265	167439	 8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Hexachlorobenzene	PHN	Lin1	1588 457006	12854 356606	33846 589002	87913 804600	190748	0.100 8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Atrazine	ANT	Ave	 1022023	36768 851009	75813 1304842	191176 +++++	415457	 16.0	1.00 20.0	2.00 30.0	5.00 +++++	10.0
Pentachloronitrobenzene	PHN	Lin1	 248006	4787 203475	11461 318145	34231 438981	92665	 8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Pentachlorophenol	PHN	Lin1	 454013	11106 350777	11624 608194	54999 828322	158642	 16.0	1.00 20.0	2.00 30.0	5.00 40.0	10.0
Phenanthrene	PHN	Ave	18513 2527721	103962 2095399	220154 3201534	518661 4084154	1084497	0.100 8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Anthracene	PHN	Ave	21852 2585516	99410 2168904	217098 3266266	507614 4076574	1085154	0.100 8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Carbazole	PHN	Ave	 2442448	94048 2048671	190469 3130446	459119 4130457	1022385	 8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Di-n-butyl phthalate	PHN	Ave	15302 2901712	115750 2480138	236333 3612267	589349 4384075	1248342	0.100 8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Fluoranthene	PHN	Ave	 2561675	87590 2140236	215639 3288993	506028 4129184	1101355	 8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Benzidine	CRY	Ave	 967877	41270 948443	107316 1260094	241214 +++++	420563	 8.00	0.500 10.0	1.00 15.0	2.50 +++++	5.00
Pyrene	CRY	Ave	 2601583	115288 2193396	228073 3285656	527811 4232522	1131711	 8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Butyl benzyl phthalate	CRY	Ave	 1505198	58314 1240379	114162 1940877	281281 2580426	623033	 8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Bis(2-ethylhexyl) phthalate	CRY	Ave	20666 1973002	76558 1684176	160627 2573585	384752 3272340	828734	0.100 8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
3,3'-Dichlorobenzidine	CRY	Ave	 954780	22877 802227	68680 1279655	174974 1766084	370716	 8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Benzo[a]anthracene	CRY	Ave	 2260080	76037 1887844	161424 2920963	384718 3772548	958718	 8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-30346-1 Analy Batch No.: 96347

SDG No.:

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/18/2012 11:20 Calibration End Date: 12/18/2012 14:44 Calibration ID: 11641

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Chrysene	CRY	Ave	2128833	134023 1725366	252184 2735712	491288 3555688	899840	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Di-n-octyl phthalate	CRY	Ave	32062 3000016	131786 2547438	281150 3795638	617182 4702329	1360557	0.100 8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Benzo[b]fluoranthene	PRY	Ave	2362892	86485 1995763	174956 3136607	421949 4108649	958574	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Benzo[k]fluoranthene	PRY	Ave	2403639	96066 1919421	177253 2965033	489235 3933673	1052157	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Benzo[a]pyrene	PRY	Ave	20183 2088226	93850 1767745	174699 2781641	433943 3670790	889246	0.100 8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Dibenz(a,h)anthracene	PRY	Ave	2044151	83623 1672694	129231 2815421	361538 4058513	813075	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Indeno[1,2,3-cd]pyrene	PRY	Ave	2410742	93718 2018453	167625 3334925	413973 4648434	959184	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Benzo[g,h,i]perylene	PRY	Ave	1994596	71847 1495294	168957 2753072	331317 4058645	830876	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
2-Fluorophenol	DCB	Ave	654708	18987 551618	51938 876197	111406 1235087	260416	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Phenol-d5	DCB	Ave	844048	18843 654753	67367 1090919	134813 1537425	315382	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Nitrobenzene-d5	NPT	Ave	822289	20141 688051	57504 1131674	149020 1556096	336143	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
2-Fluorobiphenyl	ANT	Ave	1780602	51351 1394341	131707 2307495	327537 3065397	714759	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
2,4,6-Tribromophenol	PHN	Ave	212336	7887 178118	15302 302392	37478 382130	92242	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
p-Terphenyl-d14	CRY	Ave	1943117	83050 1581956	141897 2494236	381301 3246910	798713	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD
QuaF = Quadratic ISTD forced zero

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3131.D		
Lims ID:	IC - 0.1	Client ID:	
Inject. Date:	18-Dec-2012 11:20:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	480-0017654-002		
Misc. Info.:			
Operator:	ANM	Instrument ID:	HP5973X
Injection Vol:	1.0 ul	ALS Bottle#:	3
Lims Batch ID:	96347	Lims Sample ID:	2
Sublist:	chrom-X-8270LL*sub20		
Detector:	MS SCAN		

Method:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X-8270LL.m		
Last Update:	18-Dec-2012 16:42:56	Calib Date:	18-Dec-2012 14:44:30
Quant Method:	Internal Standard	Quant By:	Continuing Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3139.D		
Limit Group:	MB - 8270RCP_MCP ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm
Process Host:	XAWRK017		

First Level Reviewer: mckernar Date: 18-Dec-2012 16:42:56

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.570	6.594	-0.024	88	220598	5.00	
* 2 Naphthalene-d8	136	8.472	8.486	-0.014	97	733426	5.00	
* 3 Acenaphthene-d10	164	11.126	11.116	0.010	87	521822	5.00	
* 4 Phenanthrene-d10	188	13.152	13.128	0.024	96	868246	5.00	
* 5 Chrysene-d12	240	15.801	15.767	0.034	98	814091	5.00	
* 6 Perylene-d12	264	17.094	17.051	0.043	98	765031	5.00	
$ 7 2-Fluorophenol	112		4.701					9
$ 8 Phenol-d5	99		6.118					9
$ 9 Nitrobenzene-d5	82		7.435					9
$ 10 2-Fluorobiphenyl	172		10.127					9
$ 11 2,4,6-Tribromophenol	330		12.291					9
$ 12 p-Terphenyl-d14	244		14.802					9
18 1,4-Dioxane	88	2.447	2.466	-0.019	8	5050	0.0683	
19 N-Nitrosodimethylamine	42		2.813					
20 Pyridine	52		2.908					
21 Benzaldehyde	77		5.961					
23 Aniline	93		6.128					
22 Phenol	94		6.142					
24 Bis(2-chloroethyl)ether	93		6.223					
25 2-Chlorophenol	128		6.294					
26 1,3-Dichlorobenzene	146		6.503					
27 1,4-Dichlorobenzene	146	6.594	6.622	-0.028	1	6644	0.0939	
29 1,2-Dichlorobenzene	146	6.813	6.841	-0.028	19	6118	0.0927	
28 Benzyl alcohol	108		6.846					
32 2,2'-oxybis[1-chloropropane]	45		7.022					
31 2-Methylphenol	108		7.031					
33 Acetophenone	105		7.212					
34 N-Nitrosodi-n-propylamine	70		7.217					
36 4-Methylphenol	108		7.288					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
37 Hexachloroethane	117	7.298	7.331	-0.033	11	4686	0.1078	
38 Nitrobenzene	77		7.464					
40 Isophorone	82		7.821					
41 2-Nitrophenol	139		7.939					
43 2,4-Dimethylphenol	107		8.058					
45 Bis(2-chloroethoxy)methane	93		8.177					
44 Benzoic acid	105		8.268					
47 2,4-Dichlorophenol	162		8.358					
48 1,2,4-Trichlorobenzene	180		8.410					
49 Naphthalene	128	8.501	8.520	-0.019	1	15303	0.0942	
51 4-Chloroaniline	127		8.662					
52 Hexachlorobutadiene	225		8.710					
54 Caprolactam	113		9.209					
55 4-Chloro-3-methylphenol	107		9.466					
56 2-Methylnaphthalene	142		9.566					
57 1-Methylnaphthalene	142		9.709					
58 Hexachlorocyclopentadiene	237		9.794					
59 1,2,4,5-Tetrachlorobenzene	216		9.818					
60 2,4,6-Trichlorophenol	196		10.037					
61 2,4,5-Trichlorophenol	196		10.146					
62 1,1'-Biphenyl	154		10.274					
63 2-Chloronaphthalene	162		10.317					
64 Phenyl ether	170		10.436					
65 2-Nitroaniline	65		10.512					
66 1,4-Dinitrobenzene	75		10.755					
67 Dimethyl phthalate	163		10.779					
68 2,6-Dinitrotoluene	165		10.864					
69 Acenaphthylene	152		10.907					
70 3-Nitroaniline	138		11.159					
71 Acenaphthene	153	11.178	11.169	0.009	0	17157	0.1350	M
72 2,4-Dinitrophenol	184		11.349					
73 Dibenzofuran	168	11.521	11.440	0.081	29	9367	0.0604	
74 2,4-Dinitrotoluene	165		11.492					
75 4-Nitrophenol	109		11.611					
76 2,3,4,6-Tetrachlorophenol	232		11.668					
78 Diethyl phthalate	149		11.825					
79 Fluorene	166		11.934					
80 4-Chlorophenyl phenyl ether	204		11.953					
81 4-Nitroaniline	138		12.067					
82 4,6-Dinitro-2-methylphenol	198		12.082					
84 Diphenylamine	169	12.186	12.124	0.062	39	14149	0.0700	M
83 N-Nitrosodiphenylamine	169	12.186	12.124	0.062	39	14018	0.0694	M
16 1,2-Diphenylhydrazine	77		12.167					
85 Azobenzene	77		12.167					
86 Benzophenone	105		12.191					
89 4-Bromophenyl phenyl ether	248		12.595					
91 Hexachlorobenzene	284	12.686	12.652	0.034	9	1588	0.1135	
92 Simazine	201		12.809					
93 Atrazine	200		12.838					
95 Pentachloronitrobenzene	237		12.923					
94 Pentachlorophenol	266		12.933					
97 Phenanthrene	178	13.180	13.156	0.024	11	18513	0.0957	

Report Date: 18-Dec-2012 16:42:57 Chrom Revision: 2.0 22-Oct-2012 16:30:48
Data File: \\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3131.D

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
98 Anthracene	178	13.285	13.218	0.067	0	21852	0.1109	M
99 Carbazole	167		13.427					
101 Alachlor	160		13.565					
102 Di-n-butyl phthalate	149	13.846	13.803	0.043	58	15302	0.0722	
104 Fluoranthene	202		14.431					
105 Benzidine	184		14.597					
106 Pyrene	202		14.654					
107 Famphur	218		15.201					
108 Butyl benzyl phthalate	149		15.244					
110 Bis(2-ethylhexyl) phthalate	149	15.767	15.734	0.033	65	20666	0.1245	
109 3,3'-Dichlorobenzidine	252		15.743					
111 Benzo[a]anthracene	228		15.753					
112 Chrysene	228		15.791					
113 Di-n-octyl phthalate	149	16.305	16.271	0.034	57	32062	0.1225	
114 Benzo[b]fluoranthene	252		16.695					
115 Benzo[k]fluoranthene	252		16.718					
116 Benzo[a]pyrene	252	17.085	17.004	0.081	0	20183	0.1175	M
118 Dibenz(a,h)anthracene	278		18.150					
117 Indeno[1,2,3-cd]pyrene	276		18.150					
119 Benzo[g,h,i]perylene	276		18.468					
S 121 3-Methylphenol	1		0.000					

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

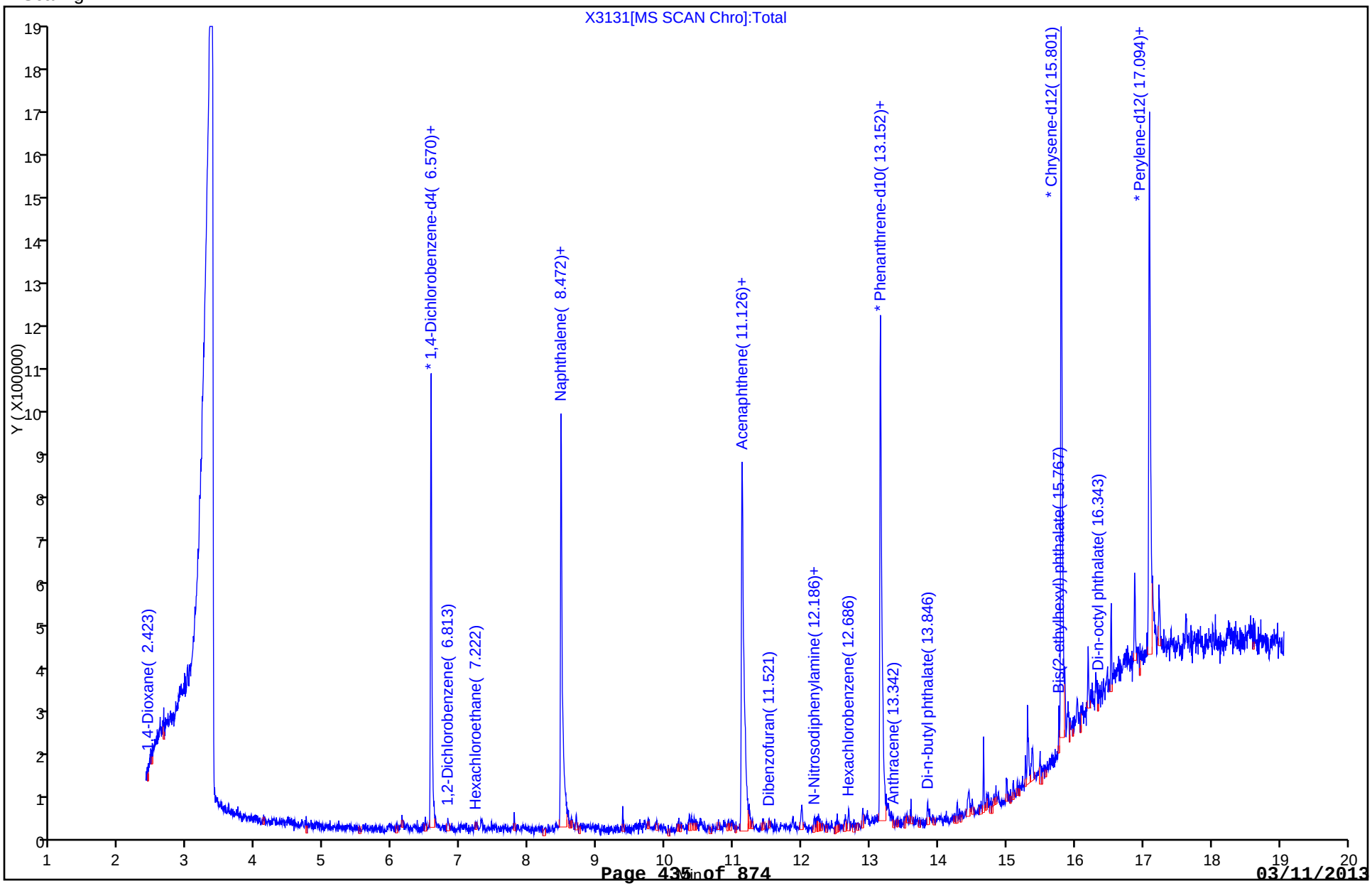
Review Flags
M - Manually Integrated

Report Date: 18-Dec-2012 16:42:57 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3131.D		
Injection Date:	18-Dec-2012 11:20:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	2
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:



Manual Integration/User Assign Peak Report

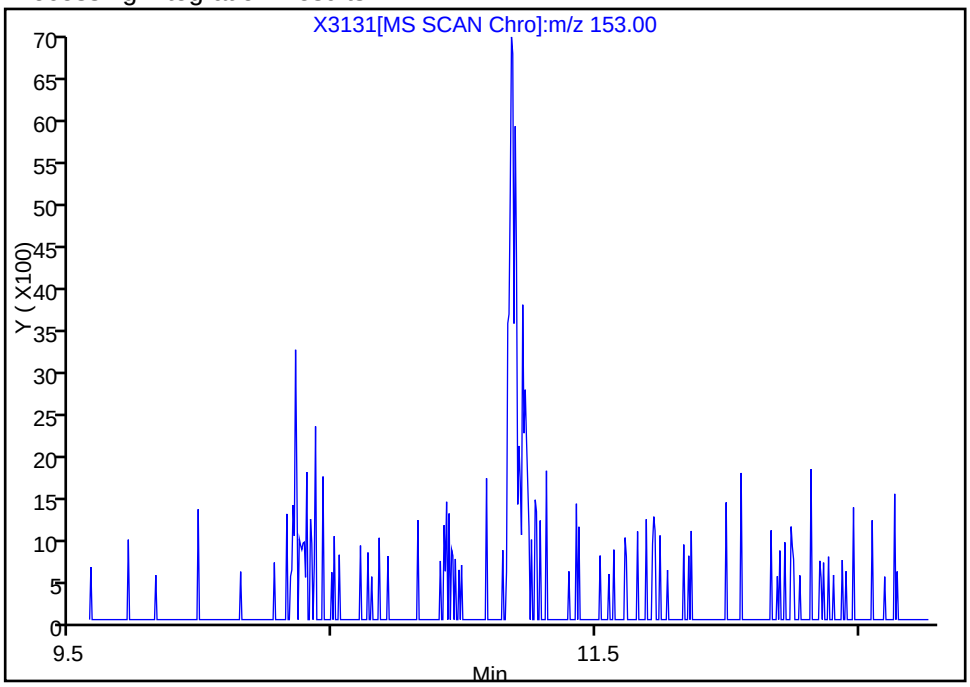
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3131.D		
Injection Date:	18-Dec-2012 11:20:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	2
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

71 Acenaphthene, Signal: 1, m/z: 153.0 Type: quant, RT: 11.17

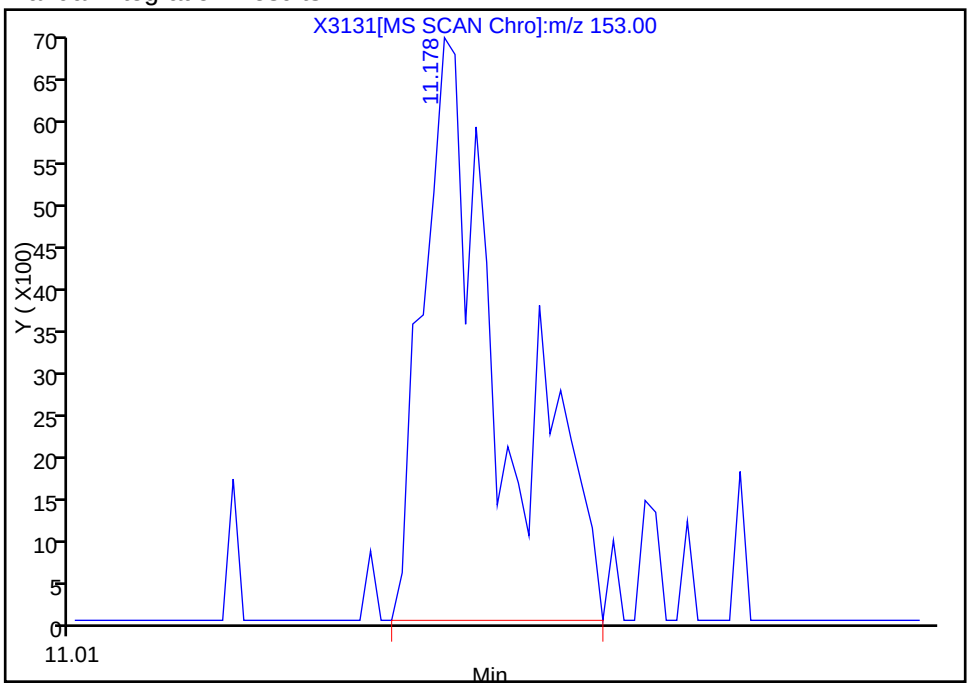
Processing Integration Results

Not Detected
Expected RT: 11.17



Manual Integration Results

RT: 11.18
Response: 17157
Amount: 0.134990



Reviewer: mckernar, 18-Dec-2012 11:48:41
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 18-Dec-2012 16:42:57 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

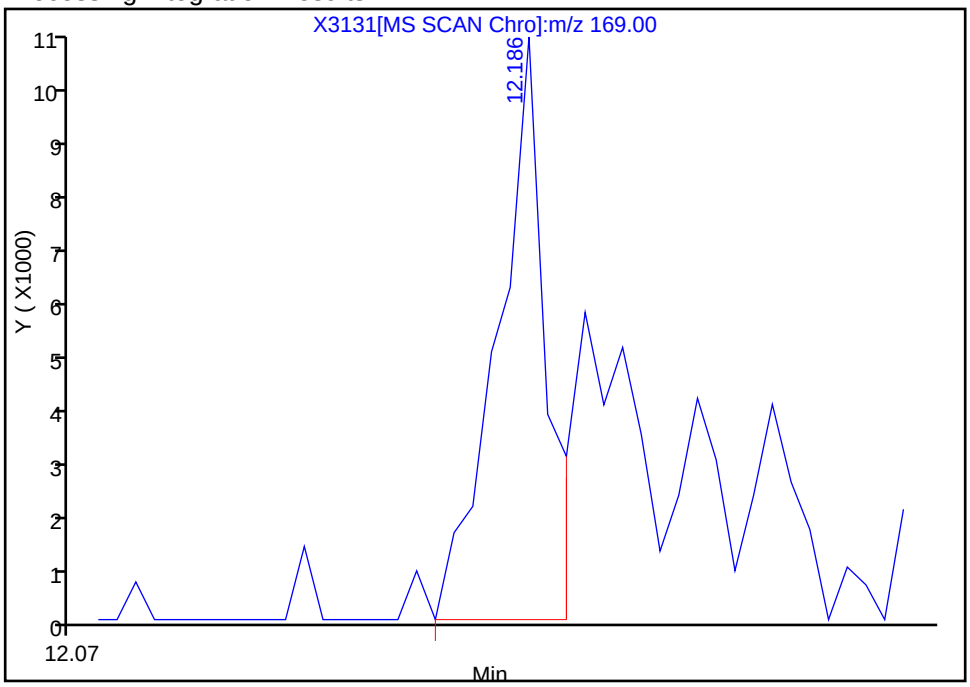
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3131.D		
Injection Date:	18-Dec-2012 11:20:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	2
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

84 Diphenylamine, Signal: 1, m/z: 169.0 Type: quant, RT: 12.12

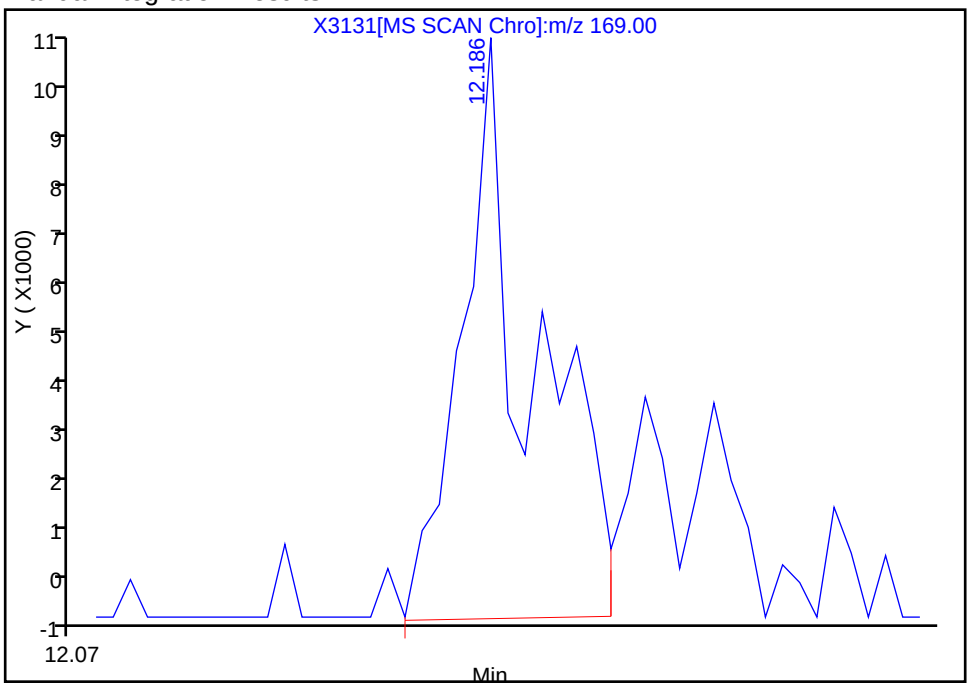
Processing Integration Results

RT: 12.19
Response: 8802
Amount: 0.100000



Manual Integration Results

RT: 12.19
Response: 14149
Amount: 0.070025



Reviewer: mckernar, 18-Dec-2012 11:48:41
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 18-Dec-2012 16:42:57 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

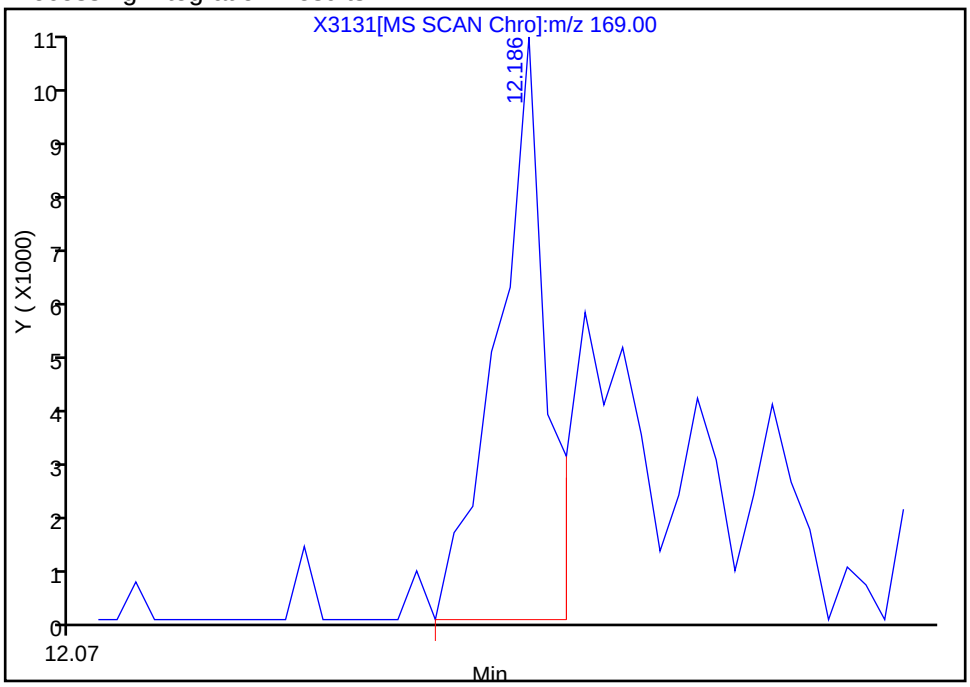
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3131.D		
Injection Date:	18-Dec-2012 11:20:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	2
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

83 N-Nitrosodiphenylamine, Signal: 1, m/z: 169.0 Type: quant, RT: 12.12

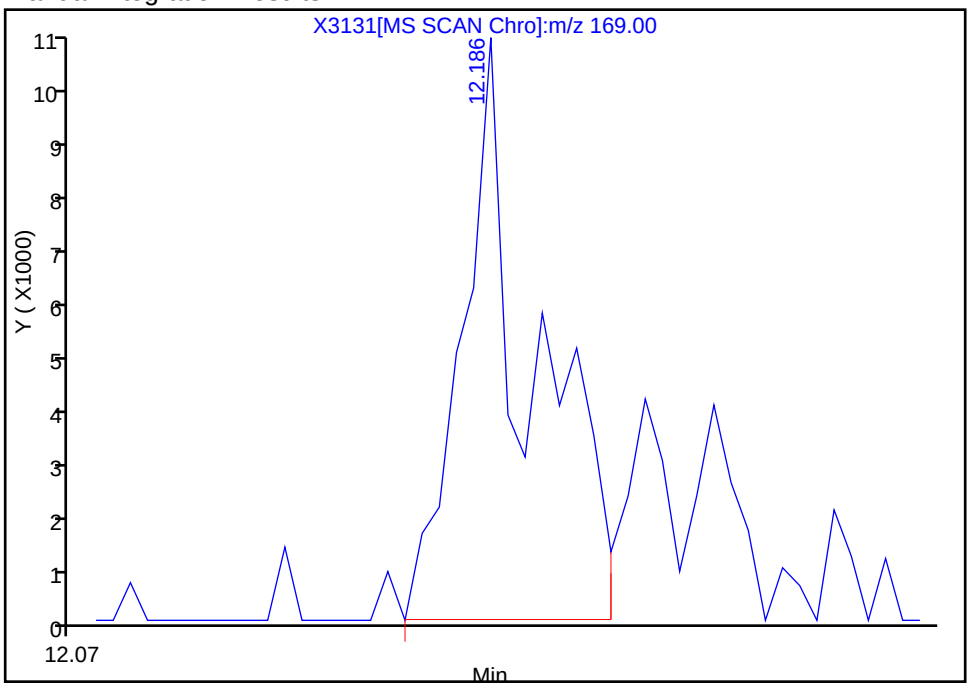
Processing Integration Results

RT: 12.19
Response: 8802
Amount: 0.100000



Manual Integration Results

RT: 12.19
Response: 14018
Amount: 0.069427



Reviewer: mckernar, 18-Dec-2012 11:48:41
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

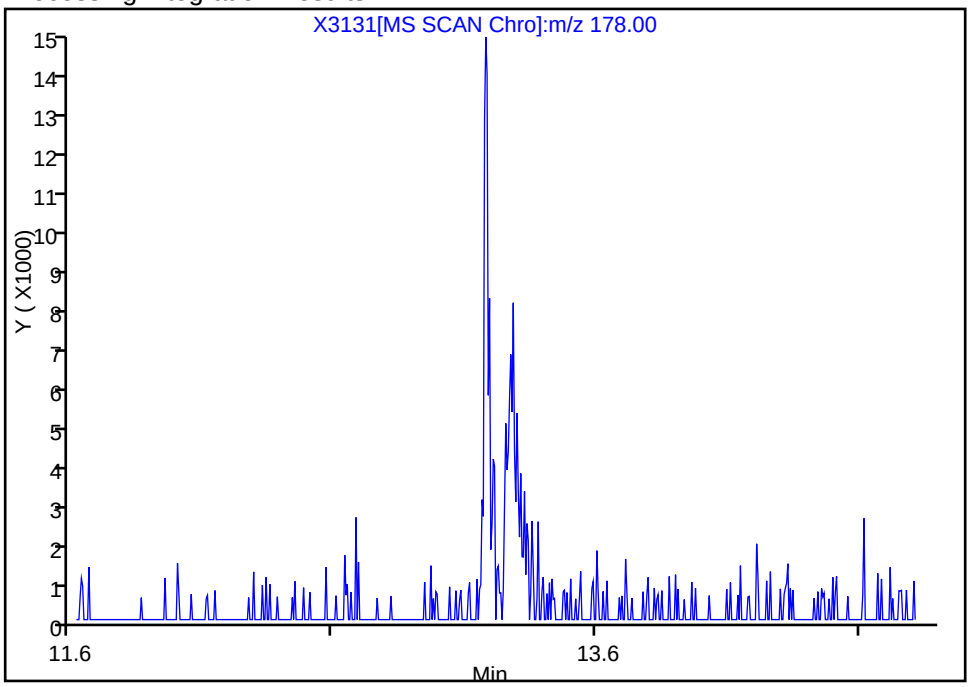
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3131.D		
Injection Date:	18-Dec-2012 11:20:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	2
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

98 Anthracene, Signal: 1, m/z: 178.0 Type: quant, RT: 13.22

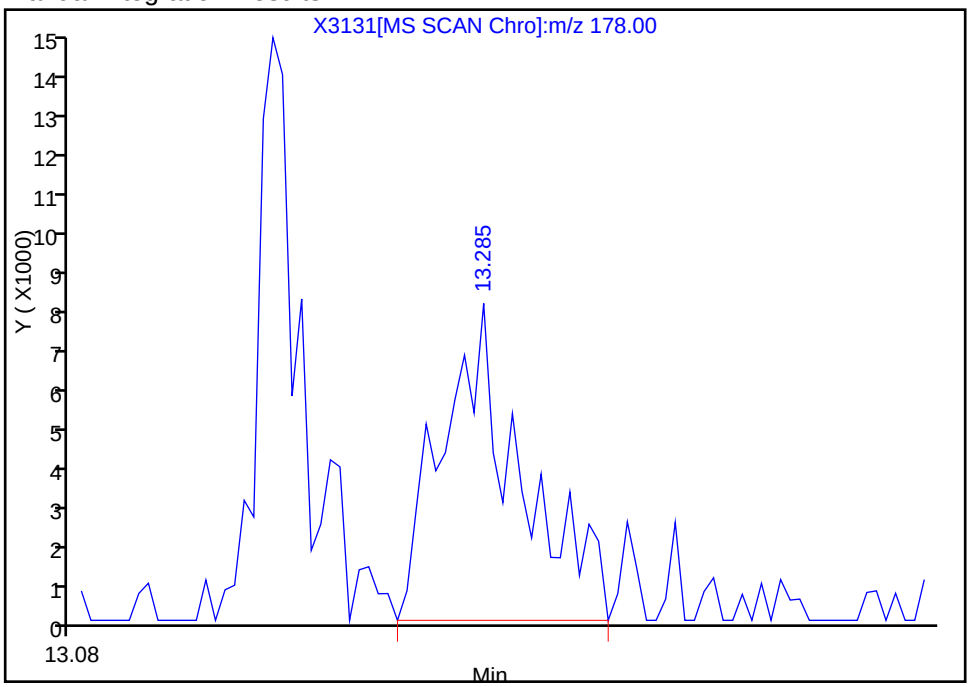
Processing Integration Results

Not Detected
Expected RT: 13.22



Manual Integration Results

RT: 13.28
Response: 21852
Amount: 0.110857



Reviewer: mckernar, 18-Dec-2012 11:48:41
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 18-Dec-2012 16:42:57 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

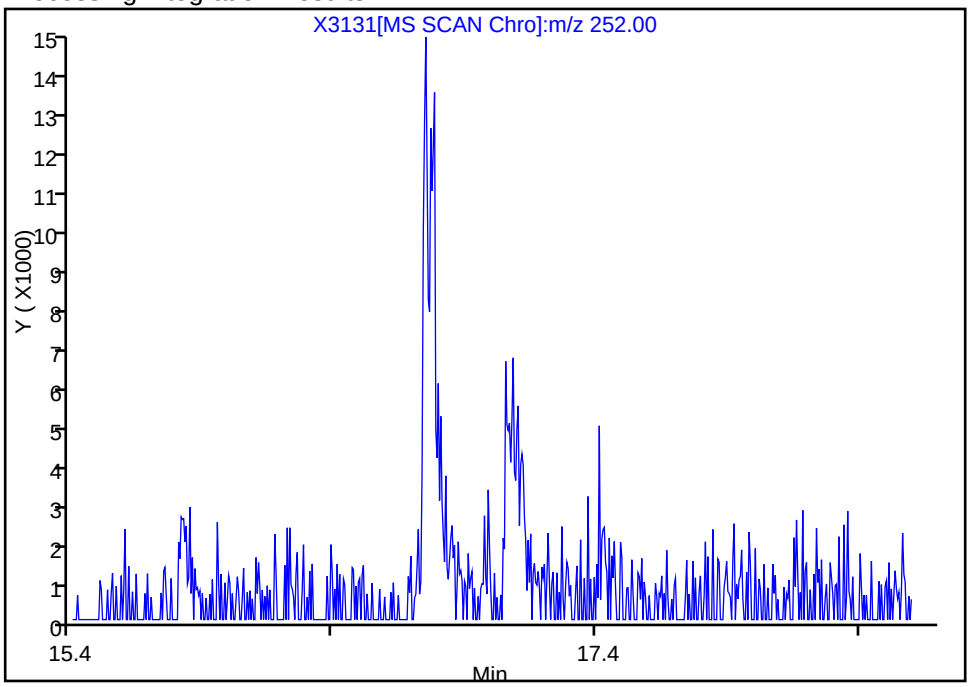
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3131.D		
Injection Date:	18-Dec-2012 11:20:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	2
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

116 Benzo[a]pyrene, Signal: 1, m/z: 252.0 Type: quant, RT: 17.00

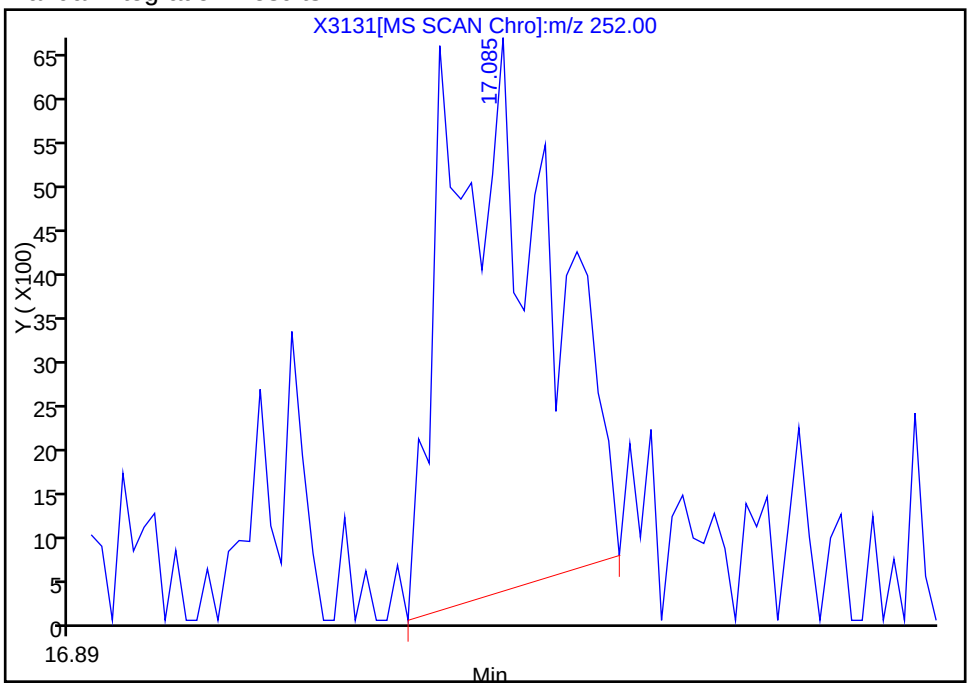
Processing Integration Results

Not Detected
Expected RT: 17.00



Manual Integration Results

RT: 17.08
Response: 20183
Amount: 0.117479



Reviewer: mckernar, 18-Dec-2012 11:48:41
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3132.D		
Lims ID:	IC - 0.5	Client ID:	
Inject. Date:	18-Dec-2012 11:45:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	480-0017654-003		
Misc. Info.:			
Operator:	ANM	Instrument ID:	HP5973X
Injection Vol:	1.0 ul	ALS Bottle#:	4
Lims Batch ID:	96347	Lims Sample ID:	3
Sublist:	chrom-X-8270LL*sub20		
Detector:	MS SCAN		

Method:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X-8270LL.m		
Last Update:	18-Dec-2012 16:42:58	Calib Date:	18-Dec-2012 14:44:30
Quant Method:	Internal Standard	Quant By:	Continuing Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3139.D		
Limit Group:	MB - 8270RCP_MCP ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm
Process Host:	XAWRK017		

First Level Reviewer: mckernar Date: 18-Dec-2012 16:42:58

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.551	6.594	-0.043	86	221007	5.00	
* 2 Naphthalene-d8	136	8.477	8.486	-0.009	97	813144	5.00	
* 3 Acenaphthene-d10	164	11.131	11.116	0.015	88	491126	5.00	
* 4 Phenanthrene-d10	188	13.147	13.128	0.019	96	911020	5.00	
* 5 Chrysene-d12	240	15.782	15.767	0.015	97	820158	5.00	
* 6 Perylene-d12	264	17.075	17.051	0.024	99	770222	5.00	
$ 7 2-Fluorophenol	112	4.658	4.701	-0.043	31	18987	0.3786	
$ 8 Phenol-d5	99	6.109	6.118	-0.009	45	18843	0.3087	
$ 9 Nitrobenzene-d5	82	7.421	7.435	-0.014	58	20141	0.3304	
$ 10 2-Fluorobiphenyl	172	10.151	10.127	0.024	63	51351	0.4166	
$ 11 2,4,6-Tribromophenol	330	12.310	12.291	0.019	0	7887	0.4706	M
$ 12 p-Terphenyl-d14	244	14.821	14.802	0.019	88	83050	0.5252	
18 1,4-Dioxane	88	2.437	2.466	-0.029	43	19150	0.7038	M
19 N-Nitrosodimethylamine	42	2.794	2.813	-0.019	52	21483	0.5321	M
20 Pyridine	52	2.927	2.908	0.019	1	20512	0.5003	M
21 Benzaldehyde	77	5.933	5.961	-0.028	75	18726	0.4323	
23 Aniline	93	6.090	6.128	-0.038	88	38168	0.4717	M
22 Phenol	94	6.142	6.142	0.0	0	26753	0.3974	M
24 Bis(2-chloroethyl)ether	93	6.185	6.223	-0.038	71	21116	0.3984	
25 2-Chlorophenol	128	6.266	6.294	-0.028	63	22826	0.3988	
26 1,3-Dichlorobenzene	146	6.465	6.503	-0.038	72	40813	0.5750	
27 1,4-Dichlorobenzene	146	6.575	6.622	-0.047	8	35027	0.4940	
29 1,2-Dichlorobenzene	146	6.808	6.841	-0.033	67	34776	0.5260	
28 Benzyl alcohol	108	6.832	6.846	-0.014	1	804	0.0496	
32 2,2'-oxybis[1-chloropropane]	45	6.998	7.022	-0.024	66	43894	0.5095	M
31 2-Methylphenol	108	7.008	7.031	-0.023	0	19924	0.4147	M
33 Acetophenone	105	7.198	7.212	-0.014	68	26930	0.3286	M
34 N-Nitrosodi-n-propylamine	70	7.198	7.217	-0.019	68	16123	0.3917	
36 4-Methylphenol	108	7.379	7.288	0.090	0	19705	0.4050	M

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
37 Hexachloroethane	117	7.293	7.331	-0.038	77	15669	0.5007	
38 Nitrobenzene	77	7.445	7.464	-0.019	52	21483	0.3395	M
40 Isophorone	82	7.807	7.821	-0.015	0	46194	0.4438	M
41 2-Nitrophenol	139	7.992	7.939	0.053	17	9854	0.3422	M
43 2,4-Dimethylphenol	107	8.101	8.058	0.043	0	22845	0.4205	M
45 Bis(2-chloroethoxy)methane	93	8.211	8.177	0.034	47	18841	0.3056	M
44 Benzoic acid	105	8.230	8.268	-0.038	16	577	0.0272	
47 2,4-Dichlorophenol	162	8.453	8.358	0.095	0	15967	0.3612	M
48 1,2,4-Trichlorobenzene	180	8.410	8.410	0.0	58	29590	0.5445	M
49 Naphthalene	128	8.510	8.520	-0.010	40	95430	0.5298	
51 4-Chloroaniline	127	8.720	8.662	0.058	1	25413	0.3899	M
52 Hexachlorobutadiene	225	8.705	8.710	-0.005	41	14803	0.4985	
54 Caprolactam	113	9.343	9.209	0.134	0	5831	0.3624	M
55 4-Chloro-3-methylphenol	107	9.557	9.466	0.091	0	16457	0.3370	M
56 2-Methylnaphthalene	142	9.590	9.566	0.024	63	60786	0.4814	
57 1-Methylnaphthalene	142	9.723	9.709	0.014	82	53740	0.4621	
58 Hexachlorocyclopentadiene	237		9.794					
59 1,2,4,5-Tetrachlorobenzene	216	9.842	9.818	0.024	61	18475	0.4010	
60 2,4,6-Trichlorophenol	196	10.113	10.037	0.076	4	11611	0.4094	M
61 2,4,5-Trichlorophenol	196	10.256	10.146	0.110	1	14692	0.5355	M
62 1,1'-Biphenyl	154	10.298	10.274	0.024	78	70247	0.4947	M
63 2-Chloronaphthalene	162	10.346	10.317	0.029	75	115849	0.5383	M
64 Phenyl ether	170	10.465	10.436	0.029	70	38232	0.4951	M
65 2-Nitroaniline	65	10.636	10.512	0.124	1	14515	0.4462	M
66 1,4-Dinitrobenzene	75		10.755					M
67 Dimethyl phthalate	163	10.822	10.779	0.043	78	58407	0.4596	
68 2,6-Dinitrotoluene	165	10.917	10.864	0.053	40	21625	0.3753	M
69 Acenaphthylene	152	10.921	10.907	0.014	81	88280	0.5139	M
70 3-Nitroaniline	138		11.159					14
71 Acenaphthene	153	11.178	11.169	0.009	67	60610	0.5067	
72 2,4-Dinitrophenol	184		11.349					
73 Dibenzofuran	168	11.473	11.440	0.033	89	78290	0.5365	M
74 2,4-Dinitrotoluene	165	11.568	11.492	0.076	1	13719	0.3731	M
75 4-Nitrophenol	109		11.611					
76 2,3,4,6-Tetrachlorophenol	232	11.725	11.668	0.057	1	7906	0.3582	M
78 Diethyl phthalate	149	11.854	11.825	0.029	75	65968	0.4740	
79 Fluorene	166	11.972	11.934	0.038	86	64267	0.4816	M
80 4-Chlorophenyl phenyl ether	204	11.977	11.953	0.024	78	28503	0.4823	
81 4-Nitroaniline	138	12.053	12.067	-0.014	1	571	0.4268	
82 4,6-Dinitro-2-methylphenol	198	12.153	12.082	0.071	7	8320	1.35	M
84 Diphenylamine	169	12.158	12.124	0.034	93	101850	0.4804	M
83 N-Nitrosodiphenylamine	169	12.158	12.124	0.034	93	101850	0.4807	M
16 1,2-Diphenylhydrazine	77	12.196	12.167	0.029	86	59521	0.4347	M
85 Azobenzene	77	12.196	12.167	0.029	86	58380	0.4272	M
86 Benzophenone	105	12.224	12.191	0.033	81	66890	0.5727	M
89 4-Bromophenyl phenyl ether	248	12.624	12.595	0.029	69	16508	0.4834	
91 Hexachlorobenzene	284	12.681	12.652	0.029	35	12854	0.4219	
92 Simazine	201	12.847	12.809	0.038	0	4273	0	M
93 Atrazine	200	12.866	12.838	0.028	0	36768	1.00	M
95 Pentachloronitrobenzene	237	12.938	12.923	0.015	1	4787	0.6041	M
94 Pentachlorophenol	266	13.004	12.933	0.071	0	11106	1.49	M
97 Phenanthrene	178	13.176	13.156	0.020	56	103962	0.5119	M

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
98 Anthracene	178	13.247	13.218	0.029	80	99410	0.4806	M
99 Carbazole	167	13.480	13.427	0.053	93	94048	0.4905	M
101 Alachlor	160	13.580	13.565	0.015	49	16048	0	M
102 Di-n-butyl phthalate	149	13.827	13.803	0.024	89	115750	0.5208	
104 Fluoranthene	202	14.464	14.431	0.033	85	87590	0.4356	
105 Benzidine	184	14.650	14.597	0.053	45	41270	0.4556	M
106 Pyrene	202	14.683	14.654	0.029	91	115288	0.5246	
107 Famphur	218	15.220	15.201	0.019	45	30812	0	
108 Butyl benzyl phthalate	149	15.258	15.244	0.014	80	58314	0.4798	
110 Bis(2-ethylhexyl) phthalate	149	15.748	15.734	0.014	91	76558	0.4576	
109 3,3'-Dichlorobenzidine	252	15.777	15.743	0.034	1	22877	0.3105	
111 Benzo[a]anthracene	228	15.777	15.753	0.024	48	76037	0.4303	
112 Chrysene	228	15.805	15.791	0.014	57	134023	0.6687	
113 Di-n-octyl phthalate	149	16.286	16.271	0.015	92	131786	0.4996	
114 Benzo[b]fluoranthene	252	16.728	16.695	0.034	72	86485	0.4835	
115 Benzo[k]fluoranthene	252	16.747	16.718	0.029	72	96066	0.5212	
116 Benzo[a]pyrene	252	17.037	17.004	0.033	0	93850	0.5426	M
118 Dibenz(a,h)anthracene	278	18.207	18.150	0.057	0	83623	0.5337	M
117 Indeno[1,2,3-cd]pyrene	276	18.216	18.150	0.066	84	93718	0.5077	M
119 Benzo[g,h,i]perylene	276	18.526	18.468	0.058	0	71847	0.4664	M
S 121 3-Methylphenol	1		0.000					

QC Flag Legend

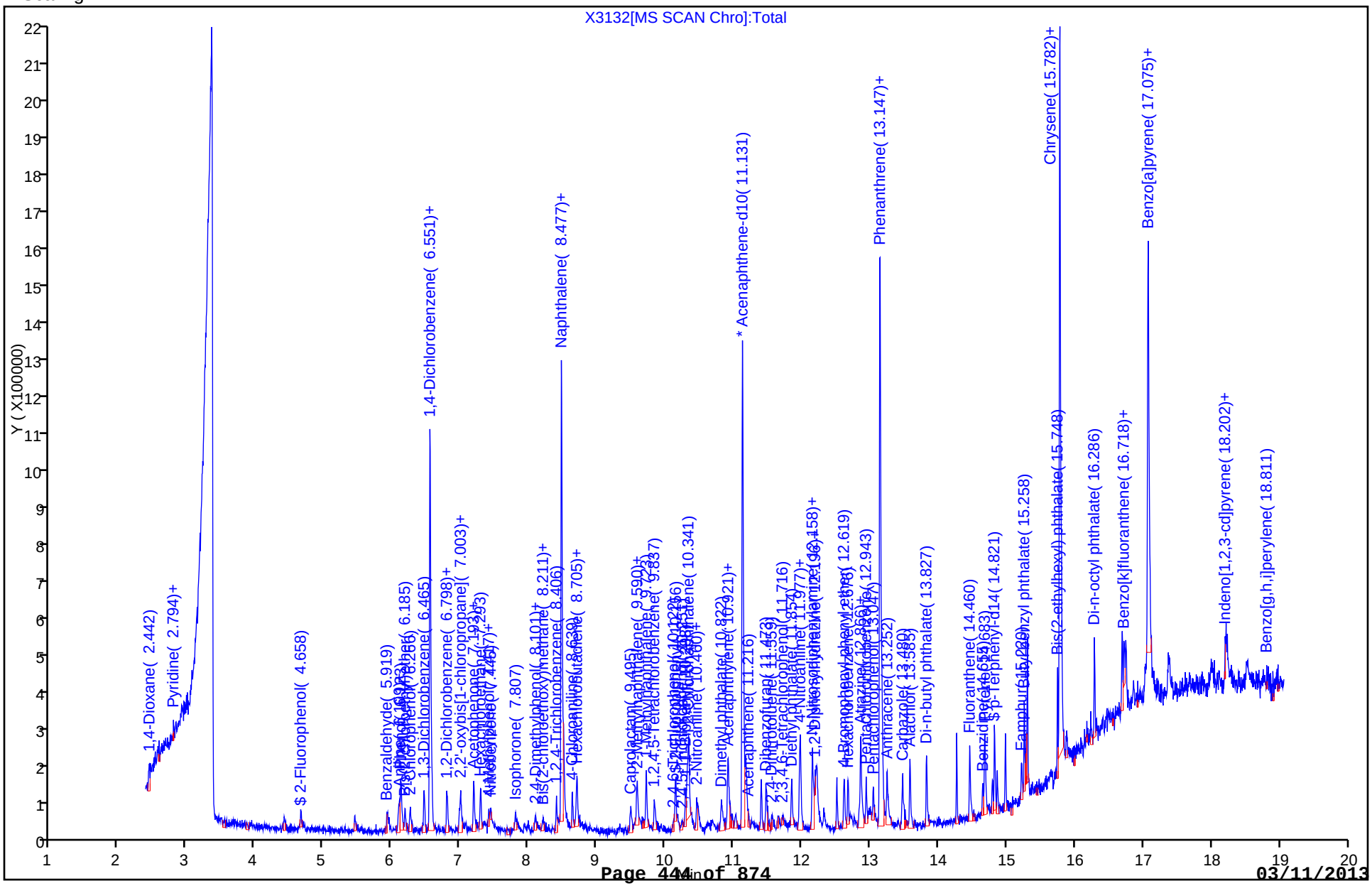
Processing Flags
1 - Missing Peaks
4 - Failed Signal Ratio Test

Review Flags
M - Manually Integrated

Report Date: 18-Dec-2012 16:42:59 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3132.D		
Injection Date:	18-Dec-2012 11:45:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	3
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm
Y Scaling:			



Manual Integration/User Assign Peak Report

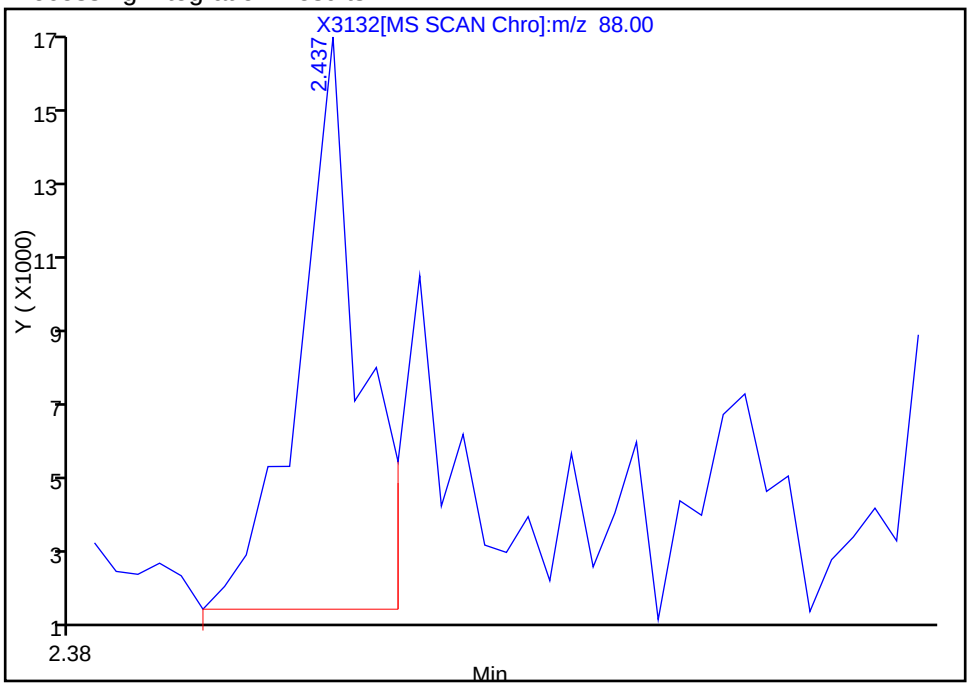
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3132.D		
Injection Date:	18-Dec-2012 11:45:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	3
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

18 1,4-Dioxane, Signal: 1, m/z: 88.0 Type: quant, RT: 2.47

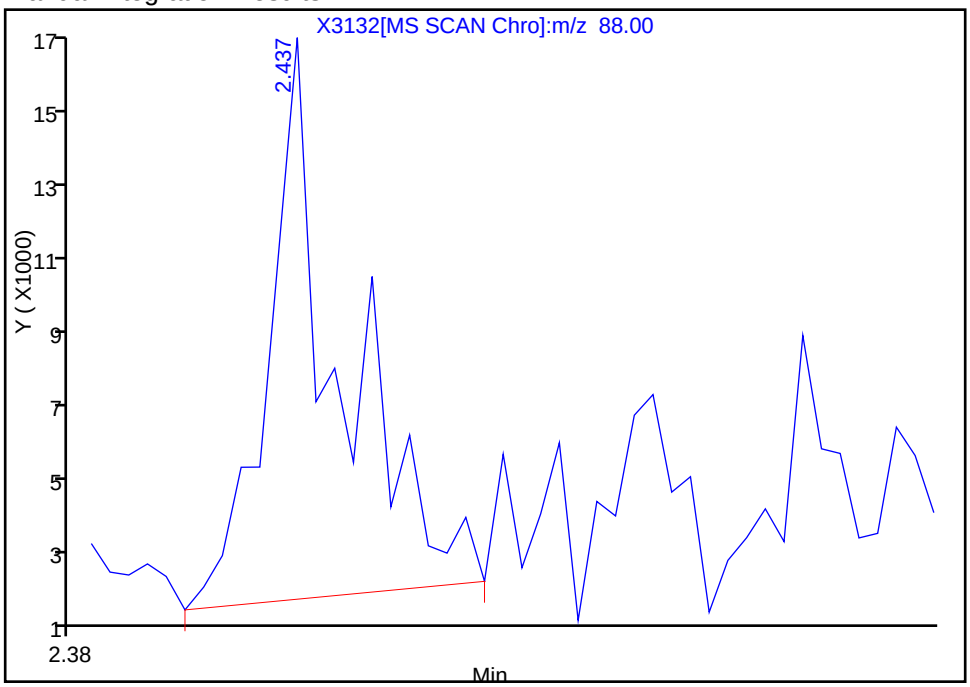
Processing Integration Results

RT: 2.44
Response: 14472
Amount: 0.363903



Manual Integration Results

RT: 2.44
Response: 19150
Amount: 0.703801



Reviewer: mckernar, 18-Dec-2012 13:05:38
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 18-Dec-2012 16:42:59 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

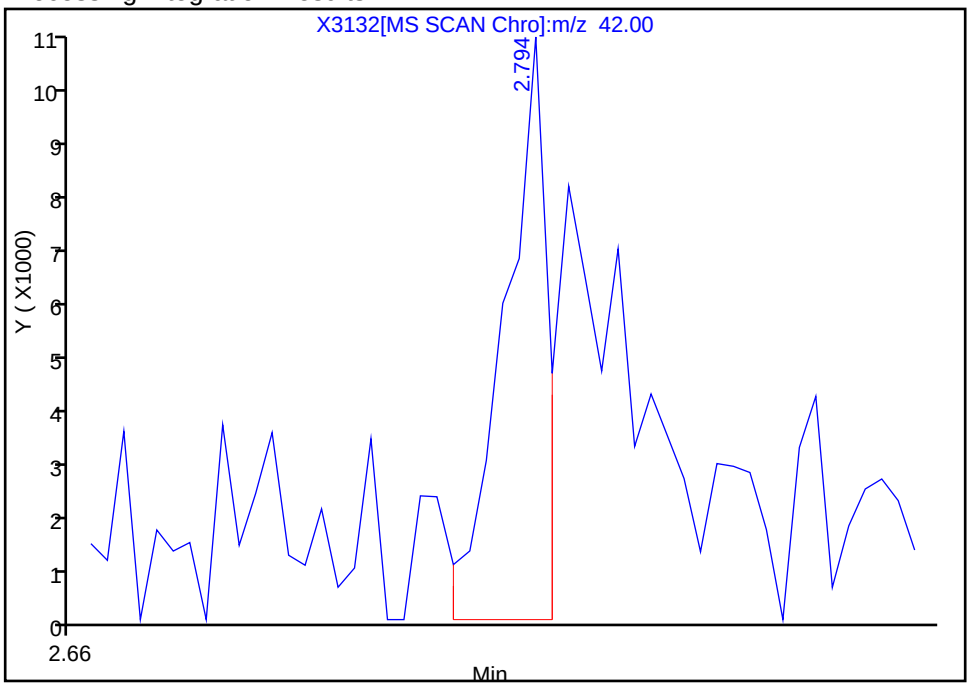
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3132.D		
Injection Date:	18-Dec-2012 11:45:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	3
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

19 N-Nitrosodimethylamine, Signal: 1, m/z: 42.0 Type: quant, RT: 2.81

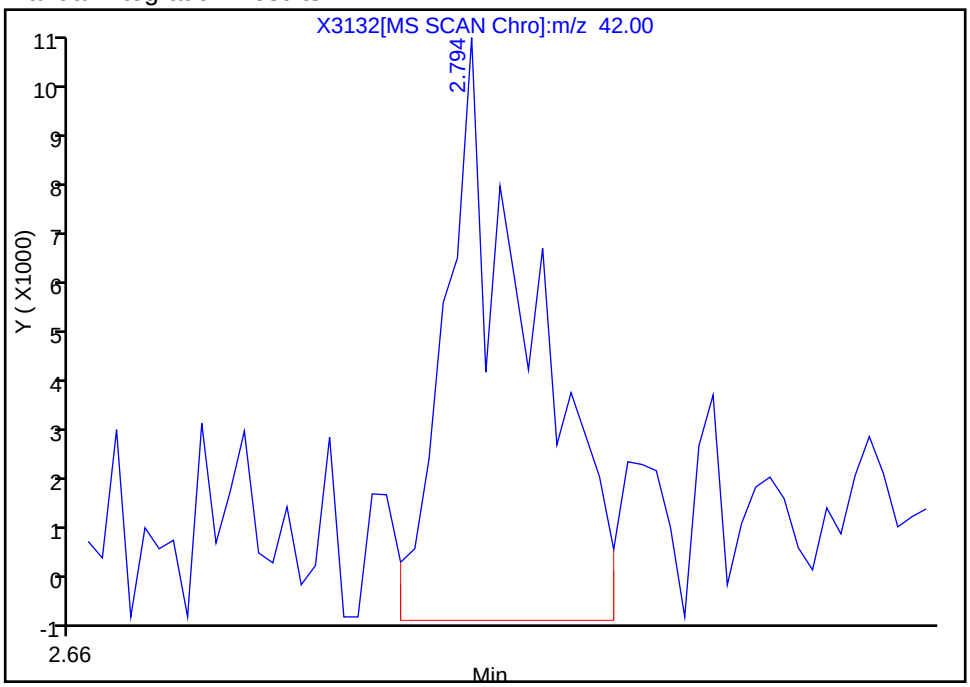
Processing Integration Results

RT: 2.79
Response: 9538
Amount: 0.500000



Manual Integration Results

RT: 2.79
Response: 21483
Amount: 0.532055



Reviewer: mckernar, 18-Dec-2012 13:05:38
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 18-Dec-2012 16:42:59 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

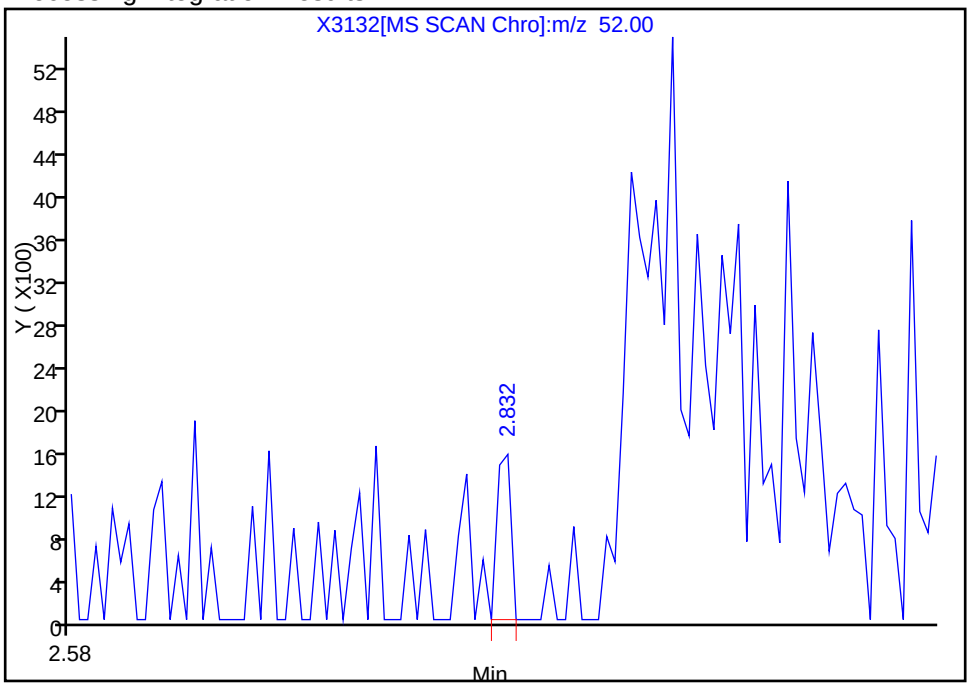
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3132.D		
Injection Date:	18-Dec-2012 11:45:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	3
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

20 Pyridine, Signal: 1, m/z: 52.0 Type: quant, RT: 2.91

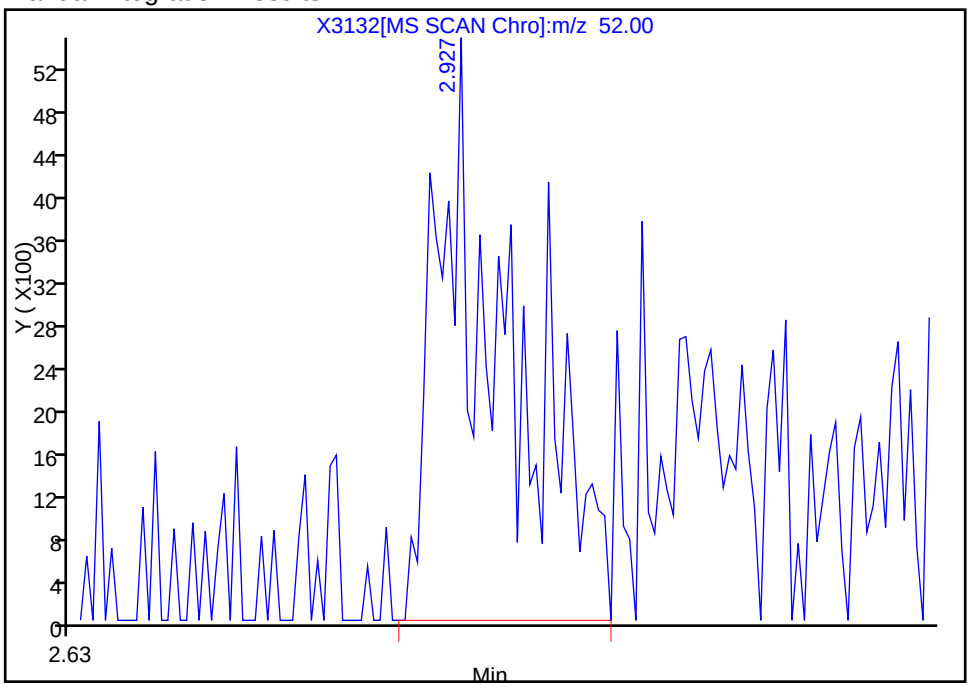
Processing Integration Results

RT: 2.83
Response: 860
Amount: 0.500000



Manual Integration Results

RT: 2.93
Response: 20512
Amount: 0.500302



Reviewer: mckernar, 18-Dec-2012 13:05:38
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 18-Dec-2012 16:42:59 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

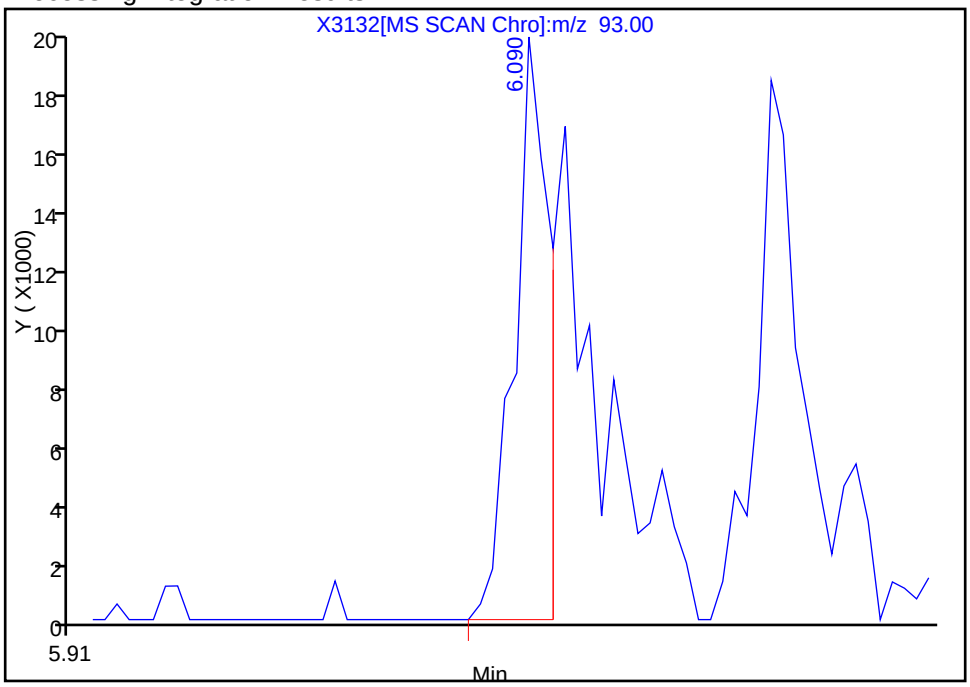
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3132.D		
Injection Date:	18-Dec-2012 11:45:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	3
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

23 Aniline, Signal: 1, m/z: 93.0 Type: quant, RT: 6.13

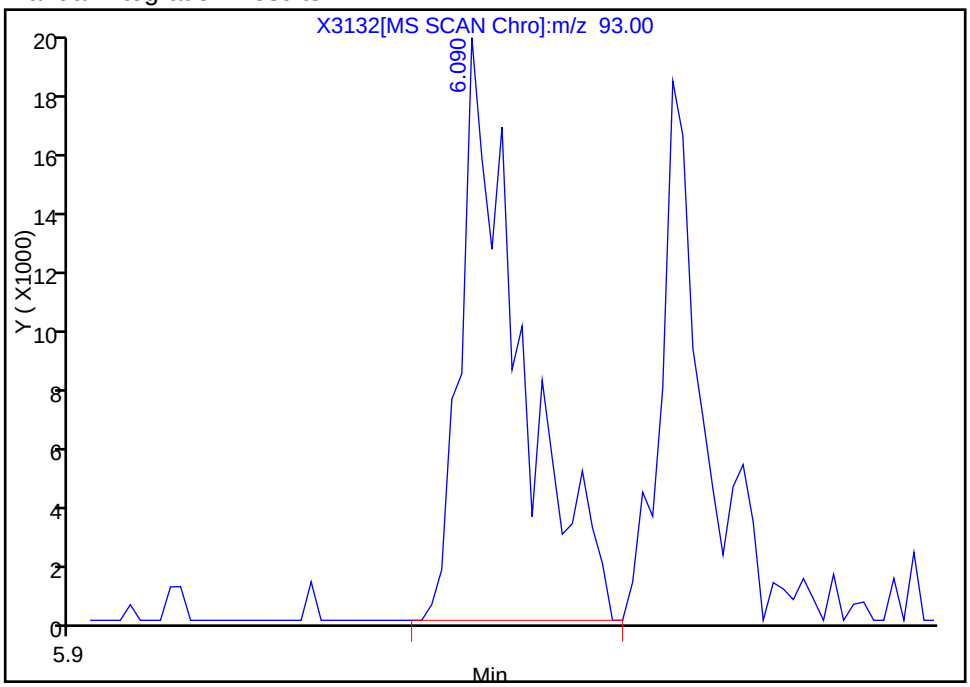
Processing Integration Results

RT: 6.09
Response: 18719
Amount: 0.500000



Manual Integration Results

RT: 6.09
Response: 38168
Amount: 0.471682



Reviewer: mckernar, 18-Dec-2012 13:05:38
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

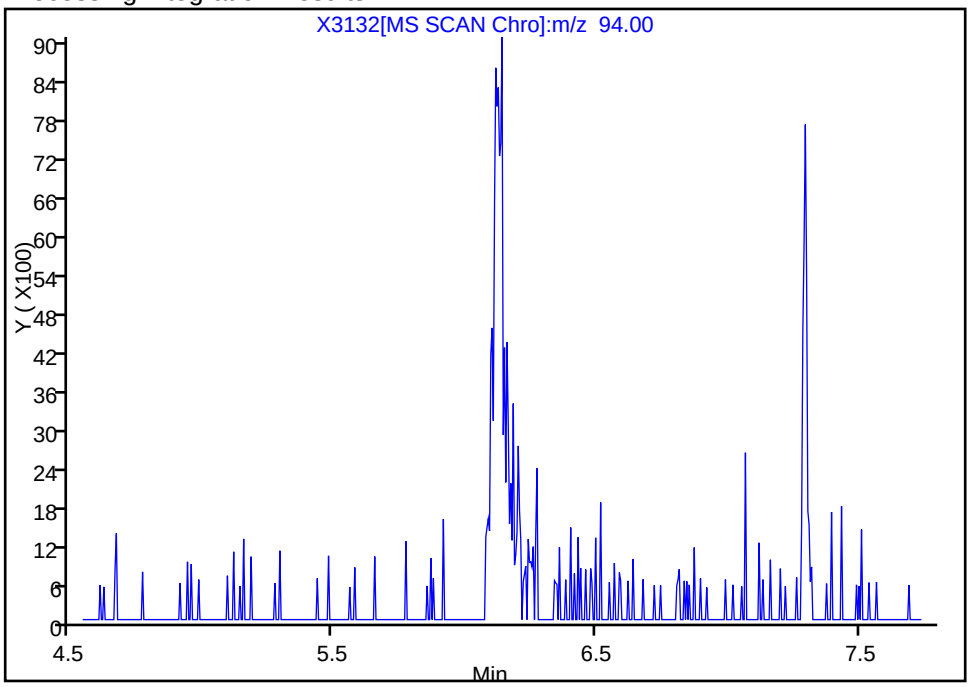
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3132.D		
Injection Date:	18-Dec-2012 11:45:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	3
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

22 Phenol, Signal: 1, m/z: 94.0 Type: quant, RT: 6.14

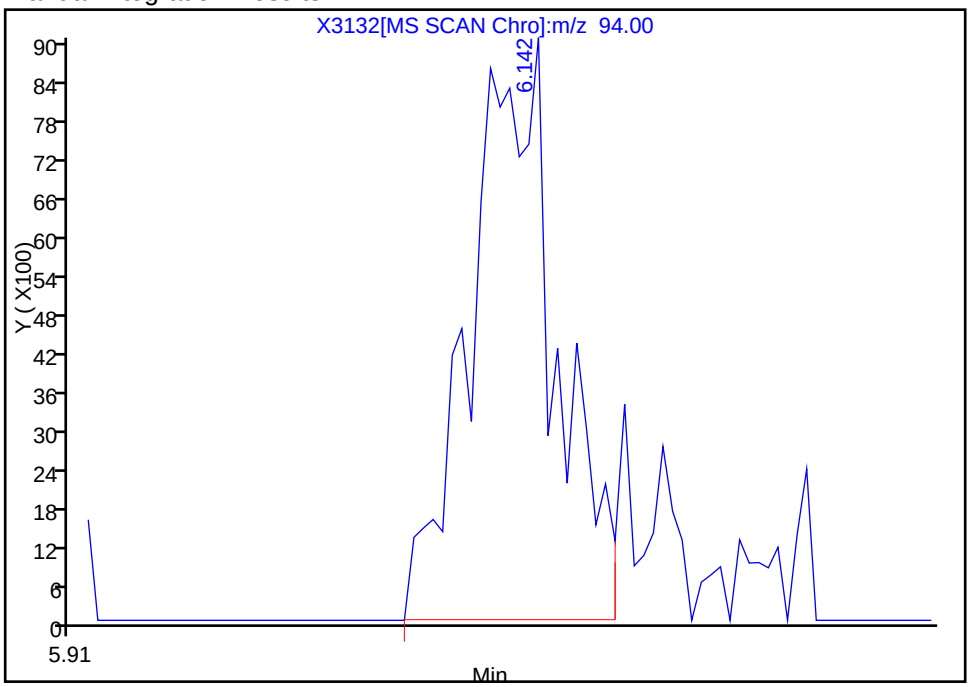
Processing Integration Results

Not Detected
Expected RT: 6.14



Manual Integration Results

RT: 6.14
Response: 26753
Amount: 0.397391



Reviewer: mckernar, 18-Dec-2012 13:05:38
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 18-Dec-2012 16:42:59 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

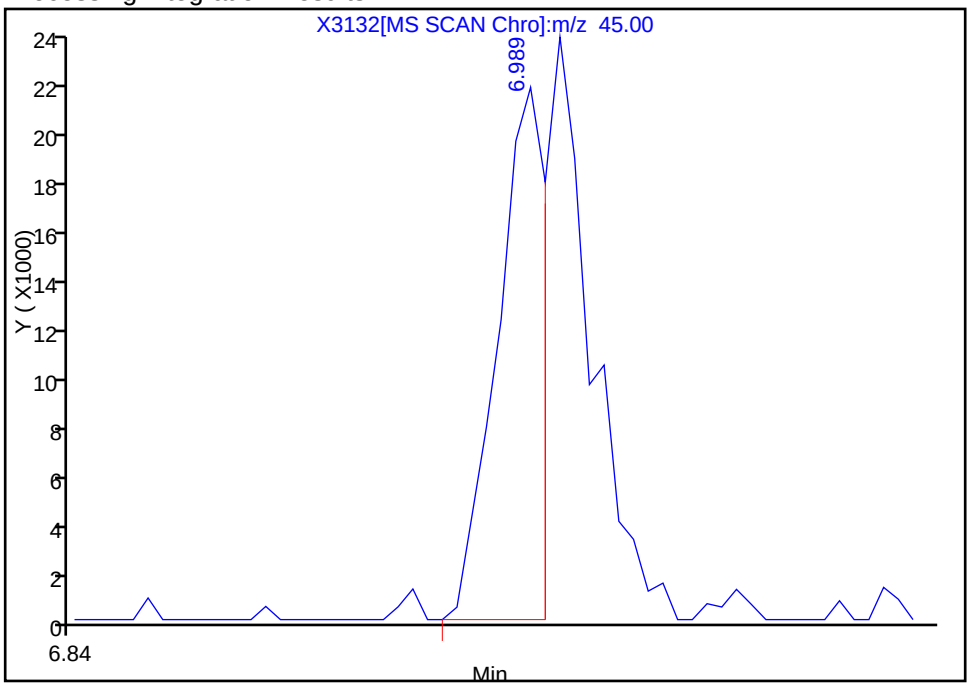
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3132.D		
Injection Date:	18-Dec-2012 11:45:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	3
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

32 2,2'-oxybis[1-chloropropane], Signal: 1, m/z: 45.0 Type: quant, RT: 7.02

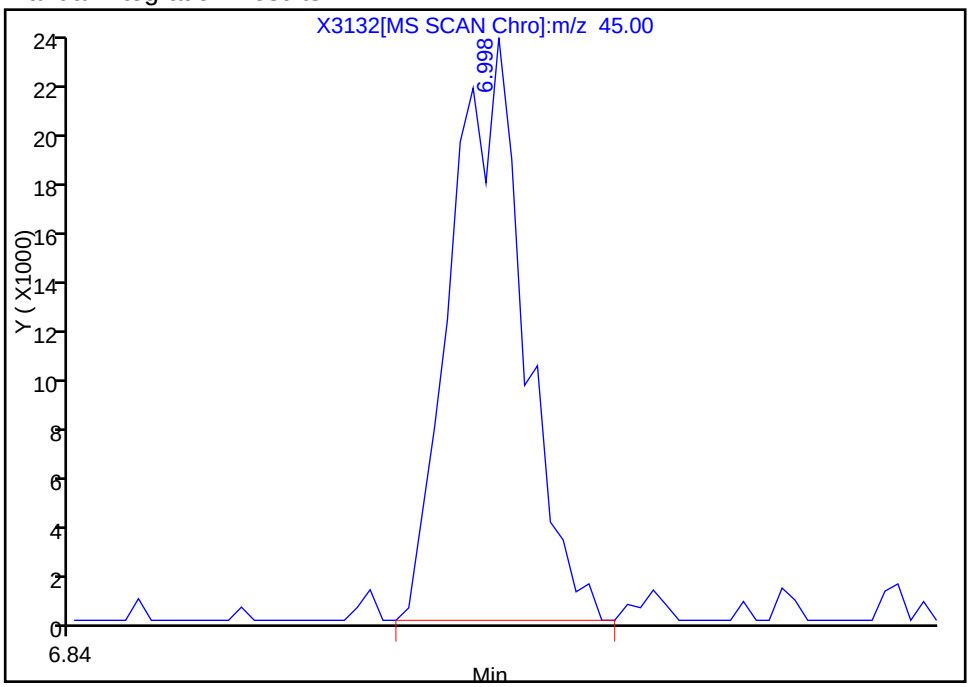
Processing Integration Results

RT: 6.99
Response: 23541
Amount: 0.500000



Manual Integration Results

RT: 7.00
Response: 43894
Amount: 0.509473



Reviewer: mckernar, 18-Dec-2012 13:05:38
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

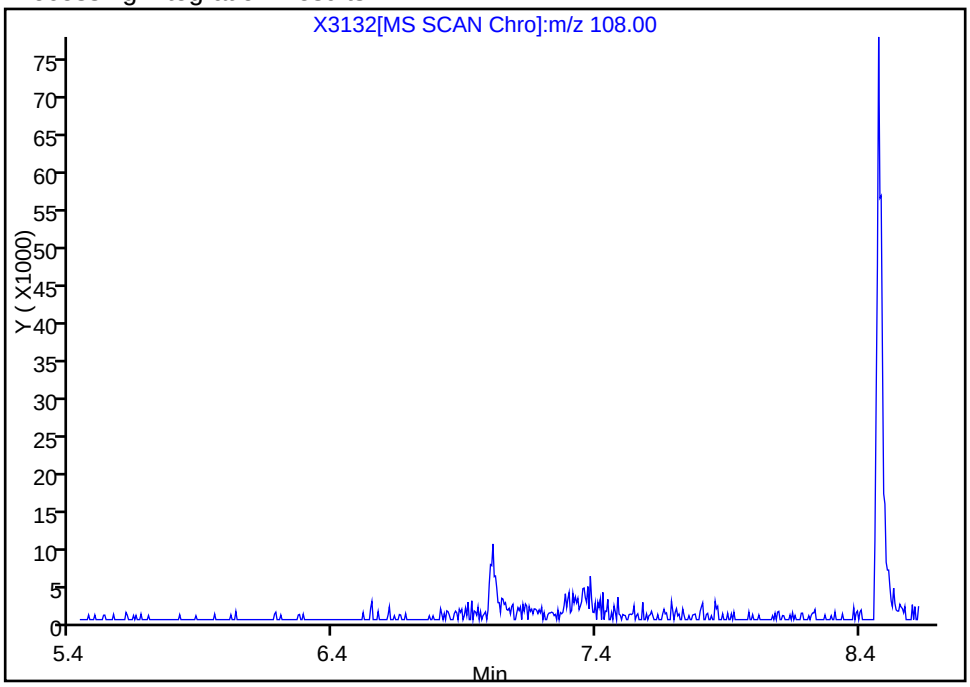
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3132.D		
Injection Date:	18-Dec-2012 11:45:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	3
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

31 2-Methylphenol, Signal: 1, m/z: 108.0 Type: quant, RT: 7.03

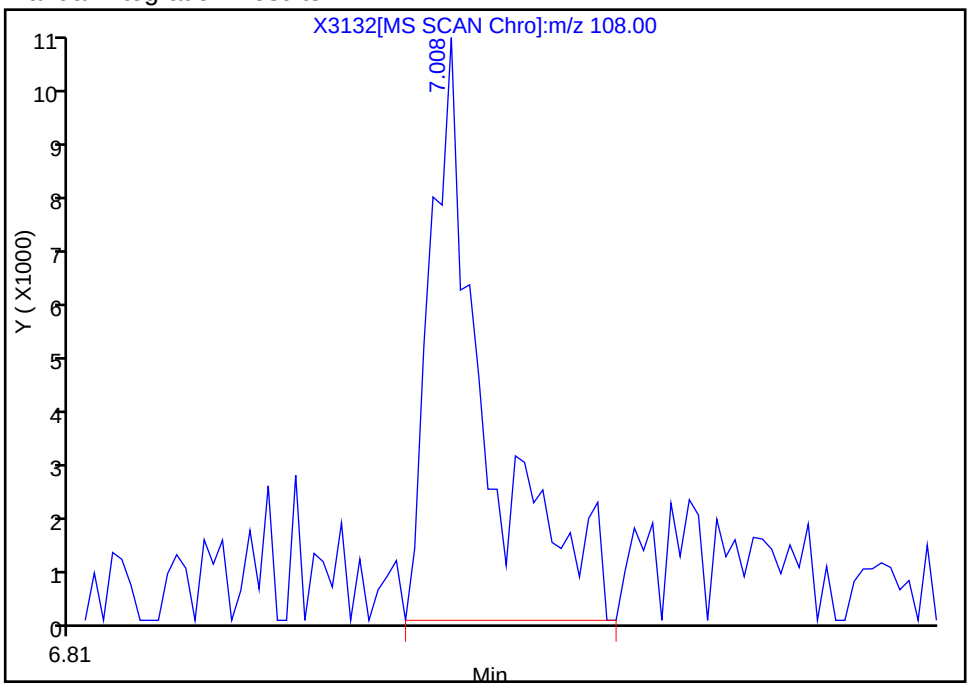
Processing Integration Results

Not Detected
Expected RT: 7.03



Manual Integration Results

RT: 7.01
Response: 19924
Amount: 0.414739



Reviewer: mckernar, 18-Dec-2012 13:05:38
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3132.D		
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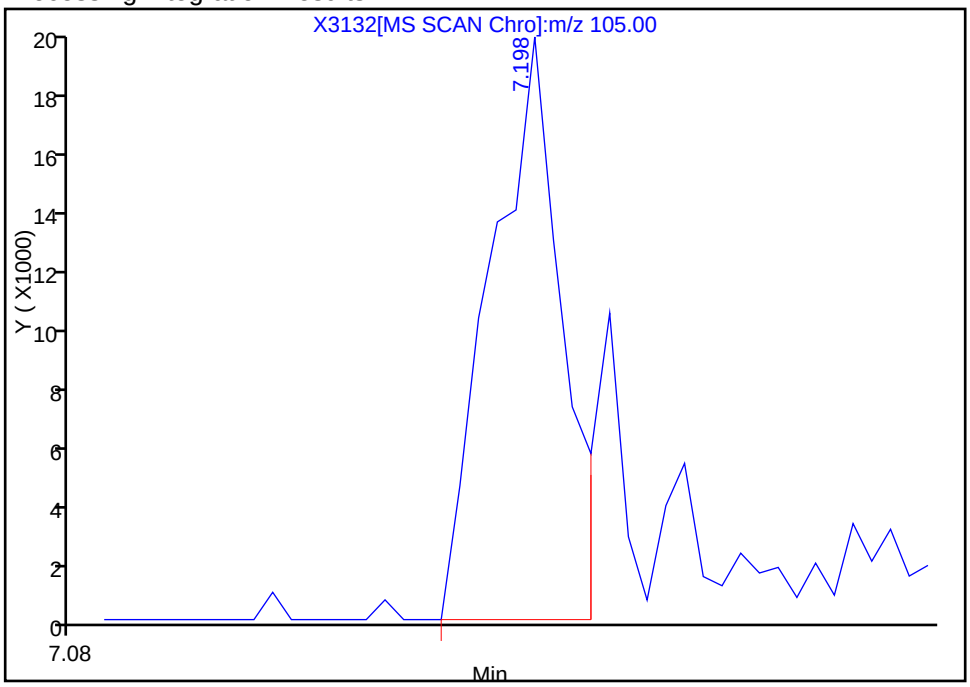
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	3
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

33 Acetophenone, Signal: 1, m/z: 105.0 Type: quant, RT: 7.21

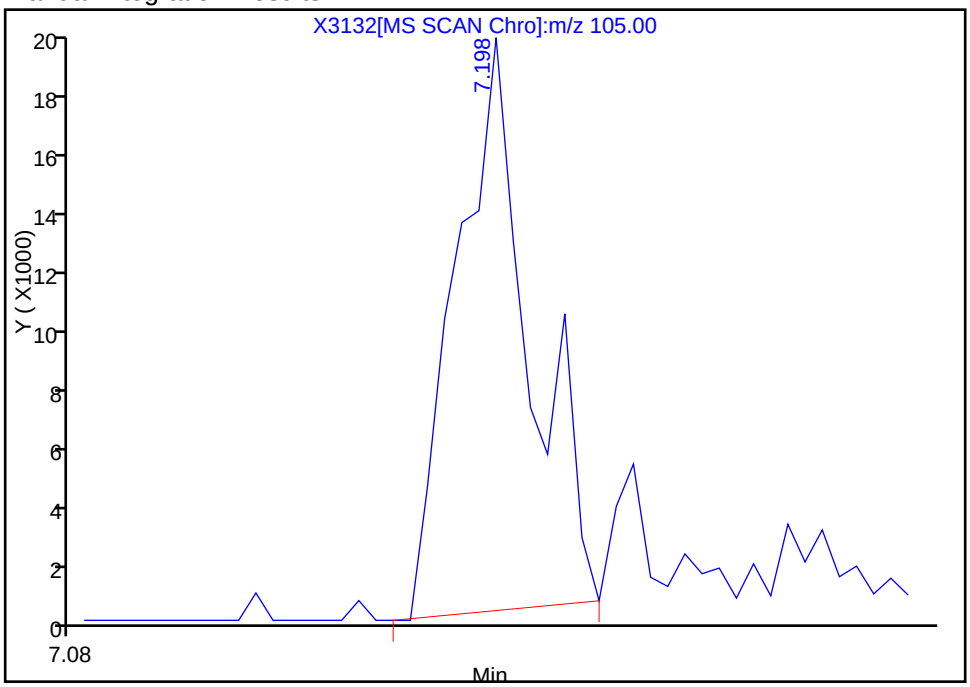
Processing Integration Results

RT: 7.20
Response: 24273
Amount: 0.500000



Manual Integration Results

RT: 7.20
Response: 26930
Amount: 0.328564



Reviewer: mckernar, 18-Dec-2012 13:05:38
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

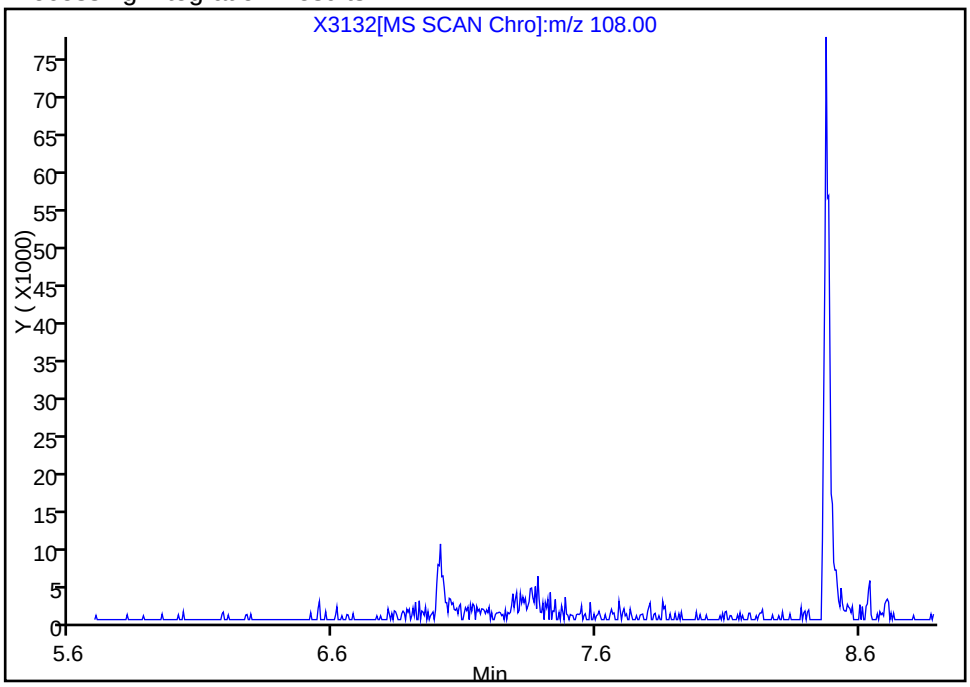
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3132.D		
Injection Date:	18-Dec-2012 11:45:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	3
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

36 4-Methylphenol, Signal: 1, m/z: 108.0 Type: quant, RT: 7.29

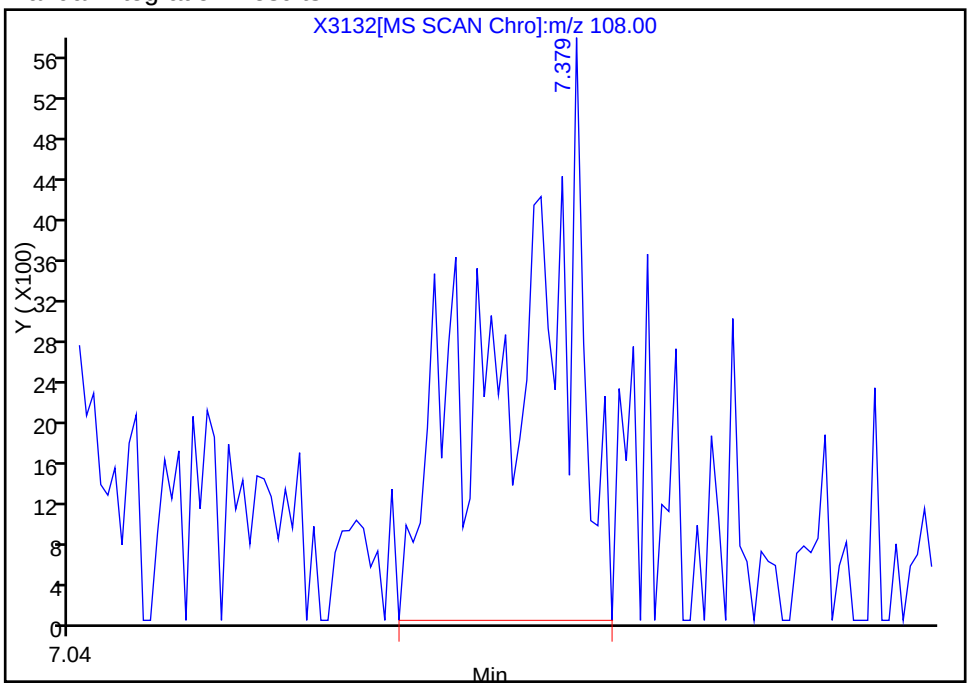
Processing Integration Results

Not Detected
Expected RT: 7.29



Manual Integration Results

RT: 7.38
Response: 19705
Amount: 0.405005



Reviewer: mckernar, 18-Dec-2012 13:05:38
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 18-Dec-2012 16:42:59 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

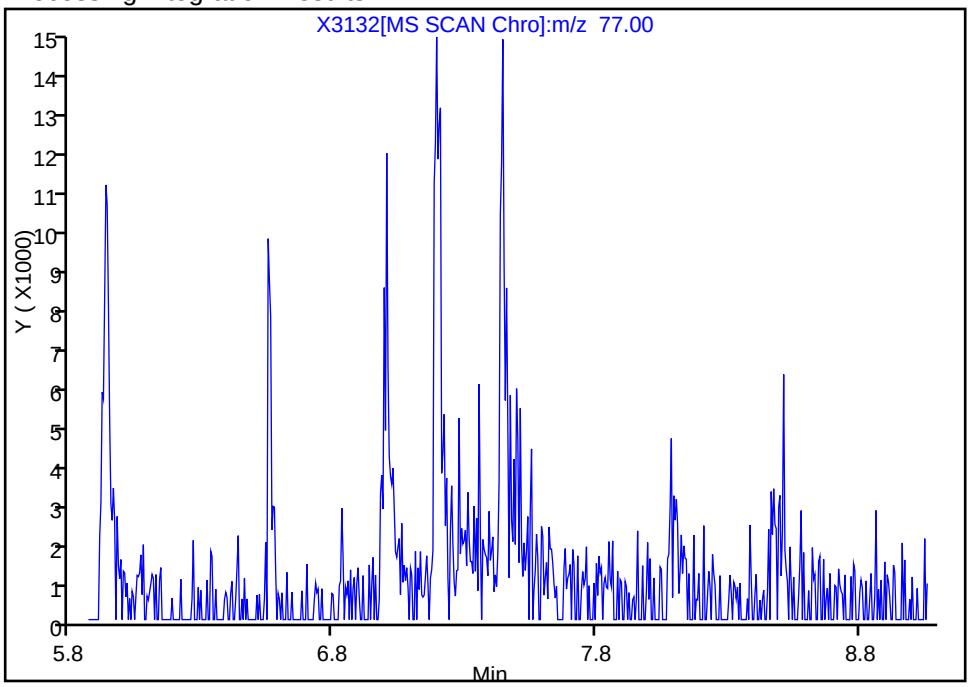
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3132.D		
Injection Date:	18-Dec-2012 11:45:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	3
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

38 Nitrobenzene, Signal: 1, m/z: 77.0 Type: quant, RT: 7.46

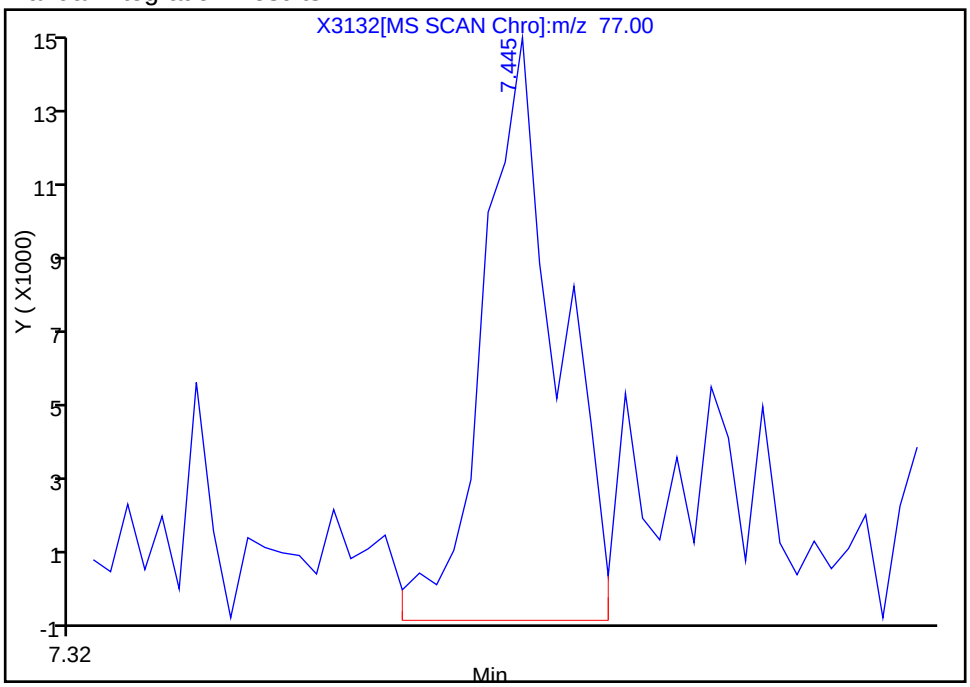
Processing Integration Results

Not Detected
Expected RT: 7.46



Manual Integration Results

RT: 7.45
Response: 21483
Amount: 0.339456



Reviewer: mckernar, 18-Dec-2012 13:05:38
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 18-Dec-2012 16:42:59 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

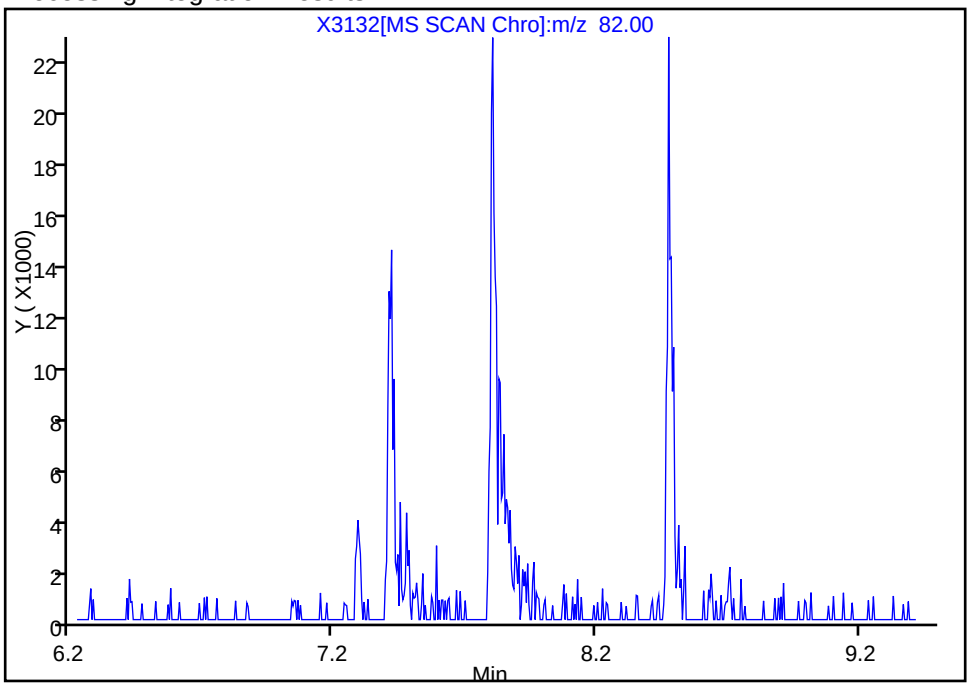
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3132.D		
Injection Date:	18-Dec-2012 11:45:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	3
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

40 Isophorone, Signal: 1, m/z: 82.0 Type: quant, RT: 7.82

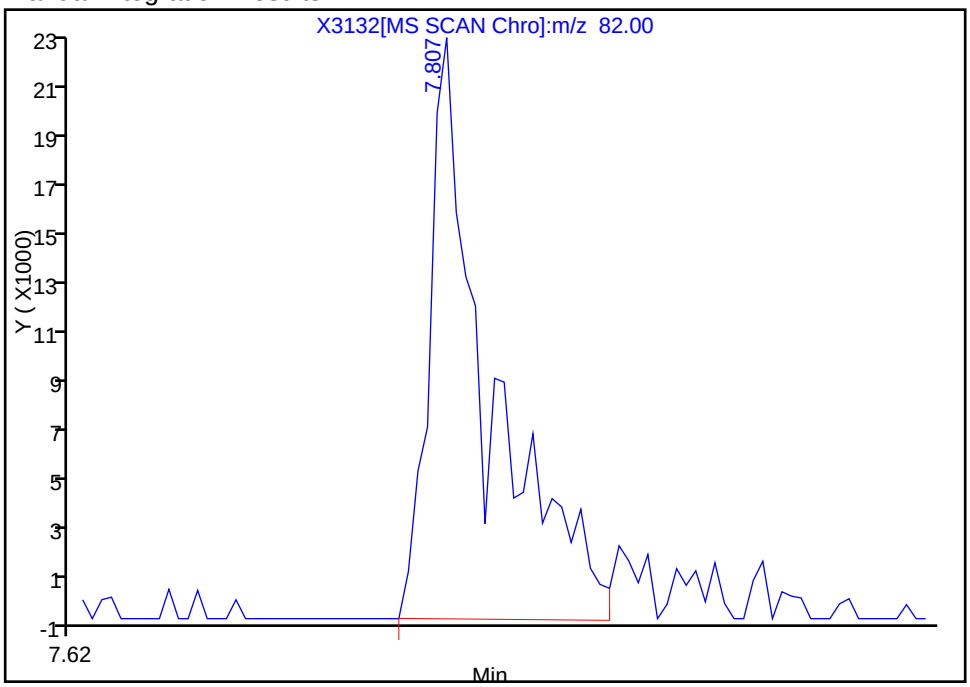
Processing Integration Results

Not Detected
Expected RT: 7.82



Manual Integration Results

RT: 7.81
Response: 46194
Amount: 0.443798



Reviewer: mckernar, 18-Dec-2012 13:05:38
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 18-Dec-2012 16:42:59 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

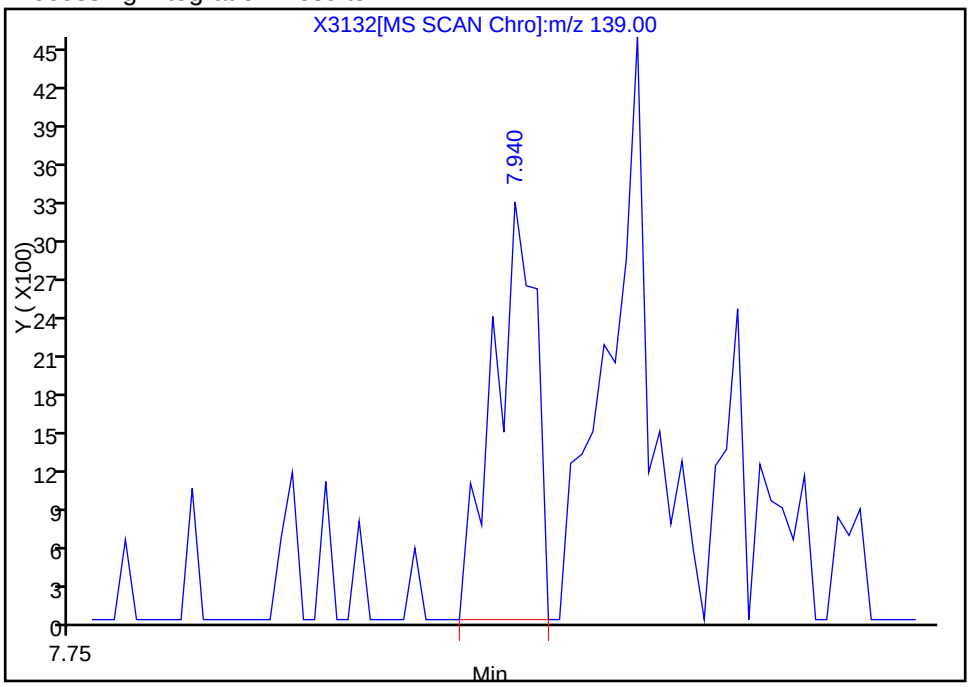
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3132.D		
Injection Date:	18-Dec-2012 11:45:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	3
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

41 2-Nitrophenol, Signal: 1, m/z: 139.0 Type: quant, RT: 7.94

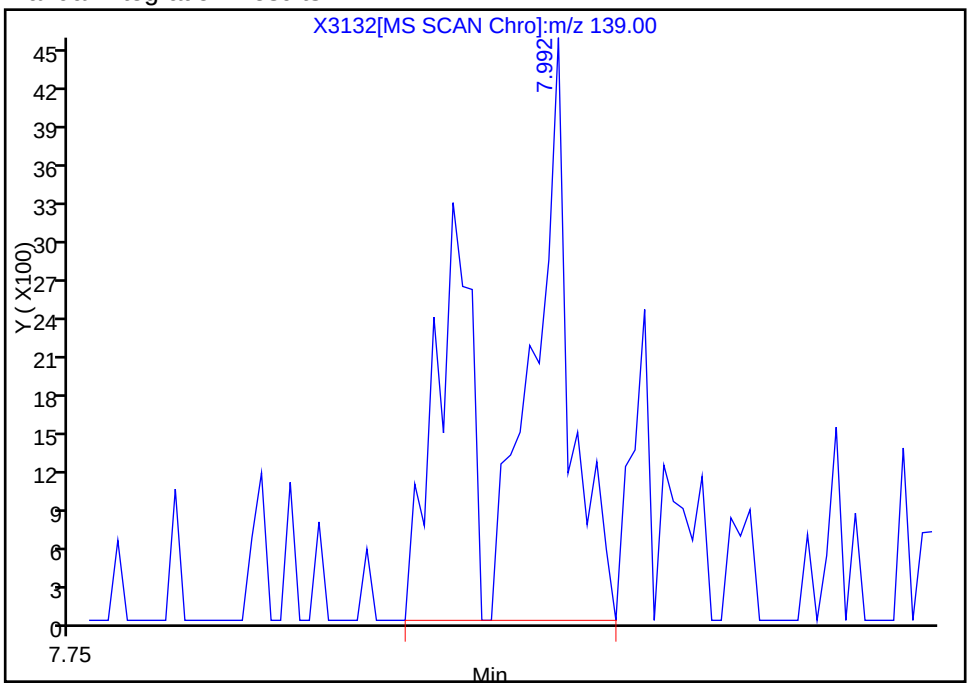
Processing Integration Results

RT: 7.94
Response: 3996
Amount: 0.500000



Manual Integration Results

RT: 7.99
Response: 9854
Amount: 0.342166



Reviewer: mckernar, 18-Dec-2012 13:05:38
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 18-Dec-2012 16:42:59 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

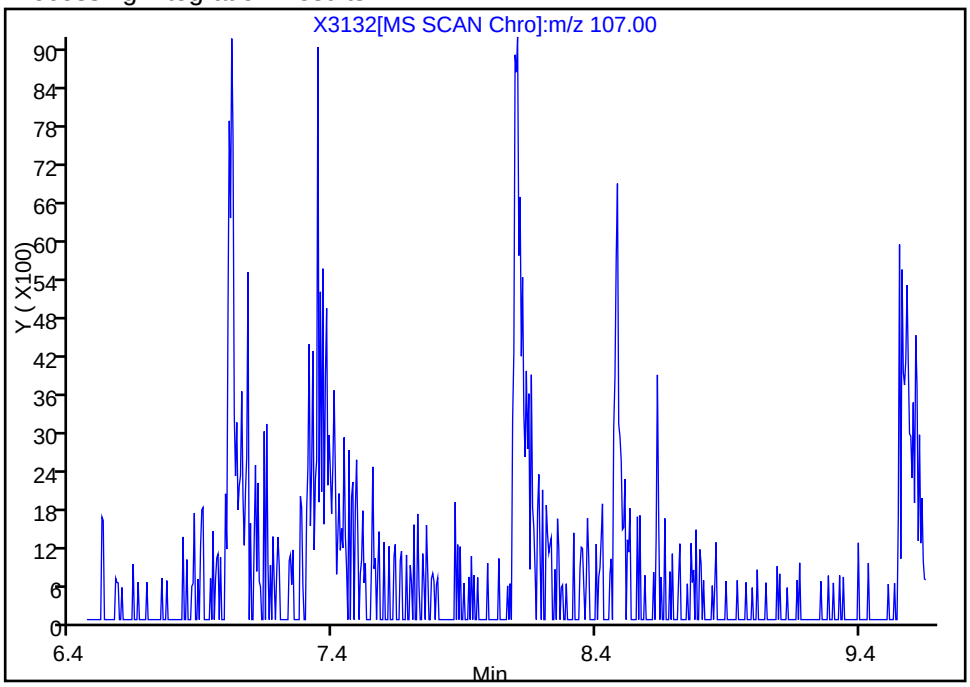
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3132.D		
Injection Date:	18-Dec-2012 11:45:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	3
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

43 2,4-Dimethylphenol, Signal: 1, m/z: 107.0 Type: quant, RT: 8.06

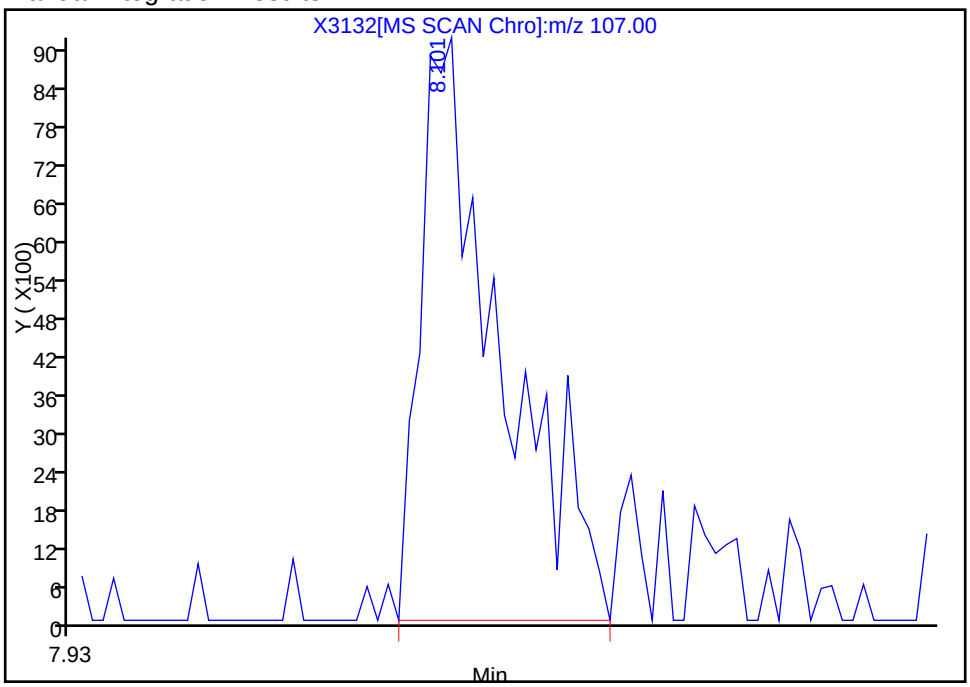
Processing Integration Results

Not Detected
Expected RT: 8.06



Manual Integration Results

RT: 8.10
Response: 22845
Amount: 0.420545



Reviewer: mckernar, 18-Dec-2012 13:05:38
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Audit Reason: Assign Peak

Report Date: 18-Dec-2012 16:42:59 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

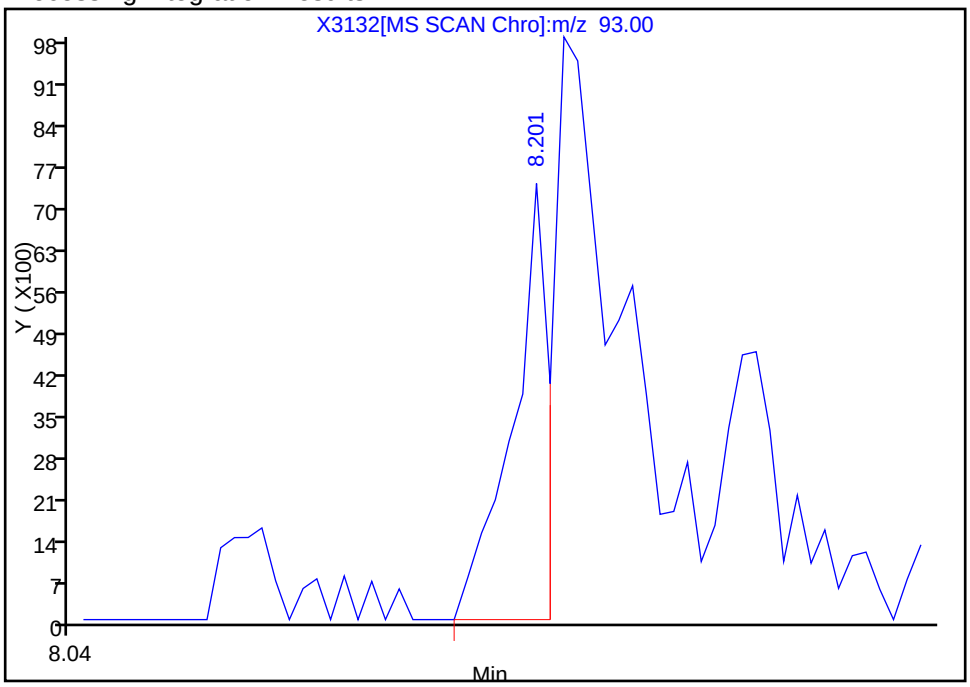
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3132.D		
Injection Date:	18-Dec-2012 11:45:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	3
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

45 Bis(2-chloroethoxy)methane, Signal: 1, m/z: 93.0 Type: quant, RT: 8.18

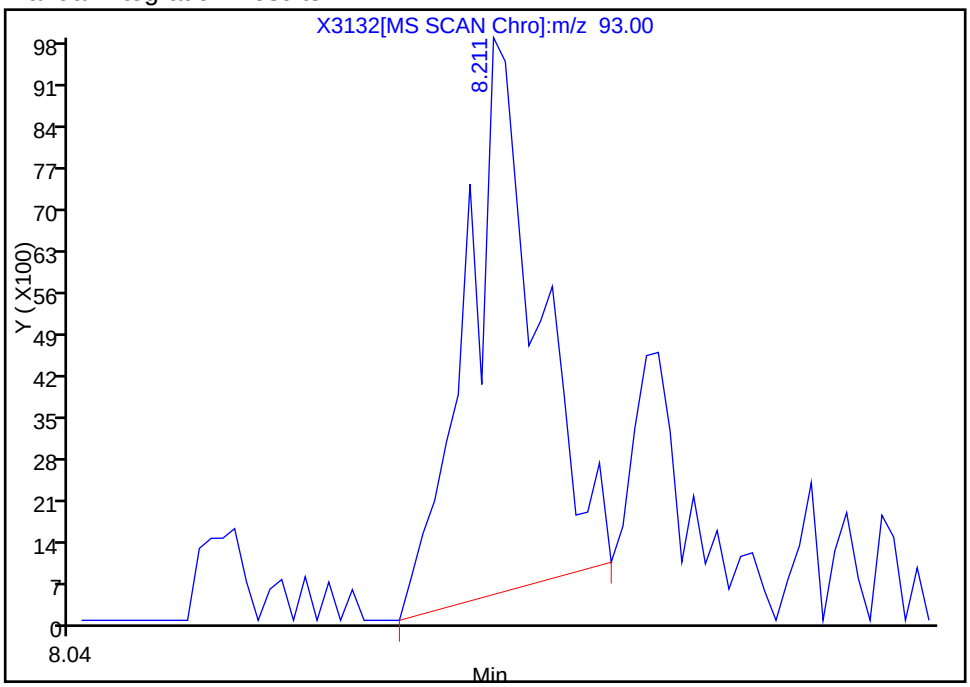
Processing Integration Results

RT: 8.20
Response: 6410
Amount: 0.500000



Manual Integration Results

RT: 8.21
Response: 18841
Amount: 0.305610



Reviewer: mckernar, 18-Dec-2012 13:05:38
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Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

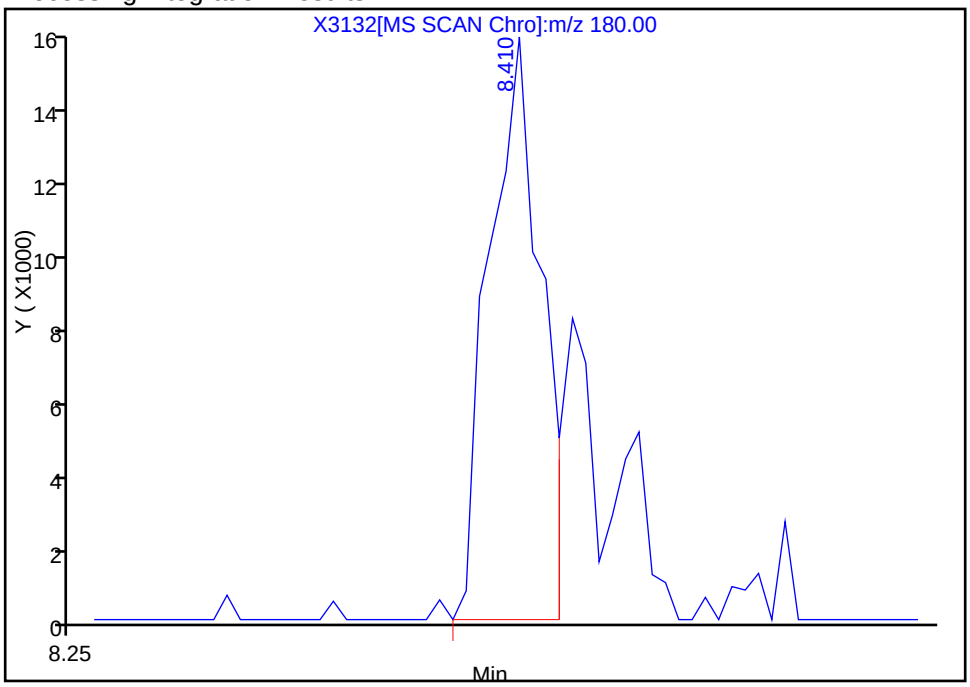
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3132.D		
Injection Date:	18-Dec-2012 11:45:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	3
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

48 1,2,4-Trichlorobenzene, Signal: 1, m/z: 180.0 Type: quant, RT: 8.41

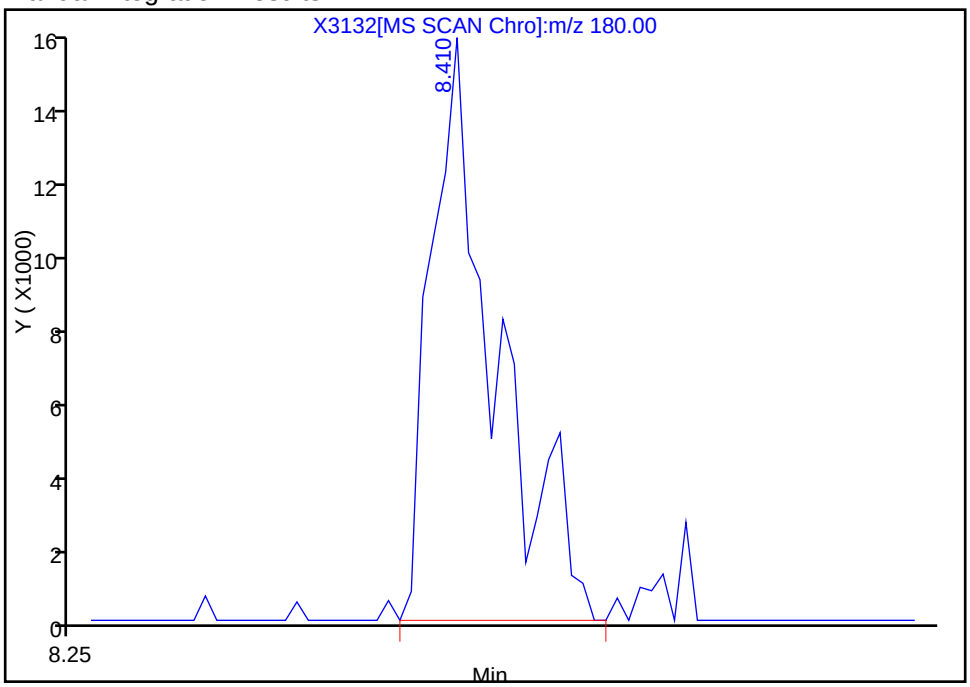
Processing Integration Results

RT: 8.41
Response: 20660
Amount: 0.500000



Manual Integration Results

RT: 8.41
Response: 29590
Amount: 0.544521



Reviewer: mckernar, 18-Dec-2012 13:05:38
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Manual Integration/User Assign Peak Report

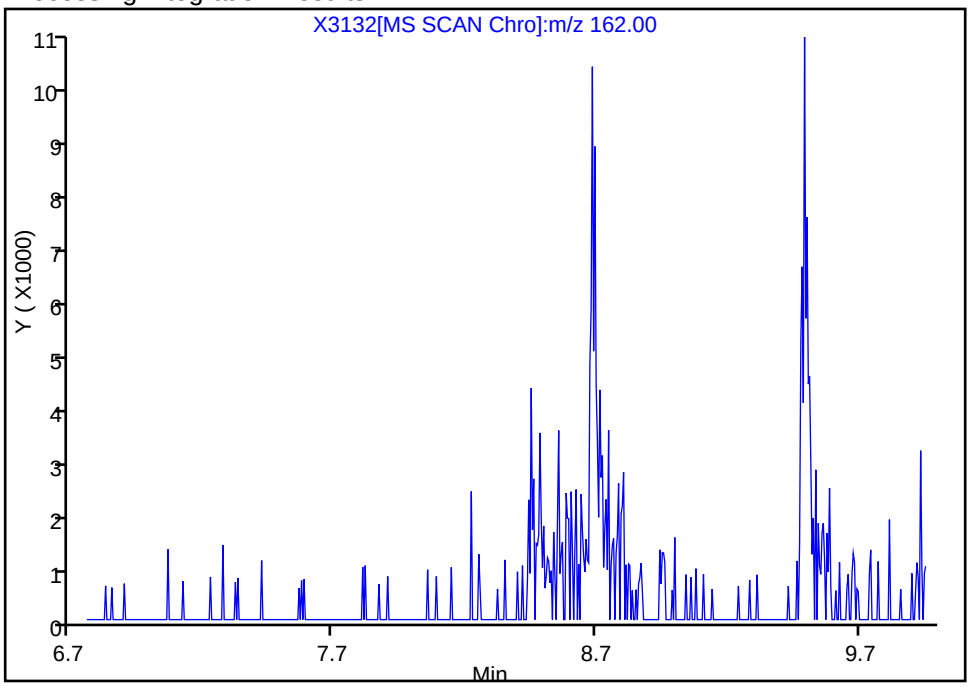
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3132.D		
Injection Date:	18-Dec-2012 11:45:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	3
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

47 2,4-Dichlorophenol, Signal: 1, m/z: 162.0 Type: quant, RT: 8.36

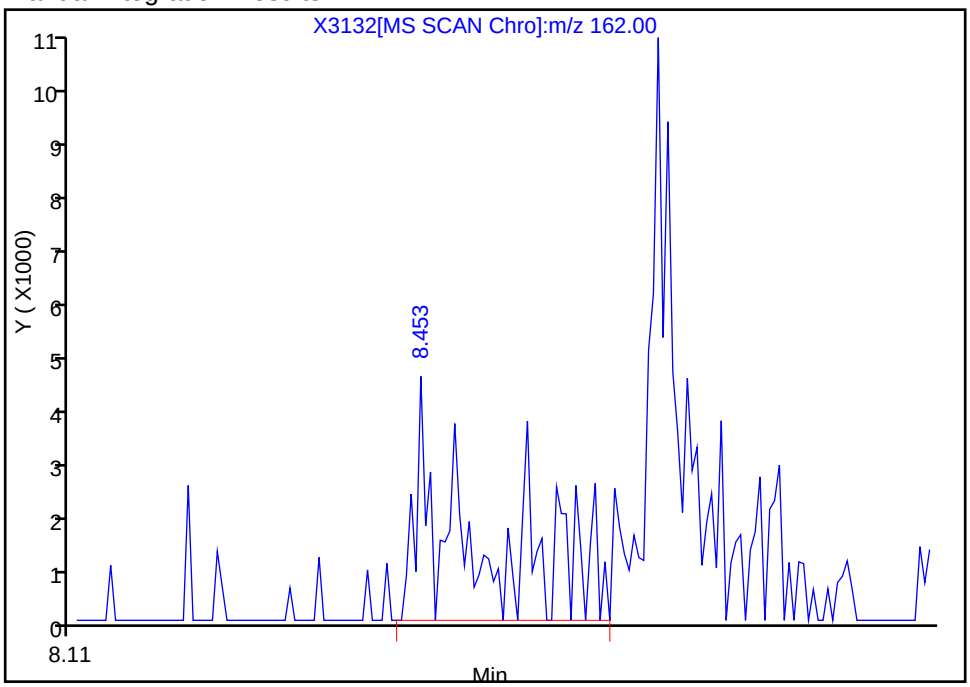
Processing Integration Results

Not Detected
Expected RT: 8.36



Manual Integration Results

RT: 8.45
Response: 15967
Amount: 0.361206



Reviewer: mckernar, 18-Dec-2012 13:05:38
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Report Date: 18-Dec-2012 16:42:59 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

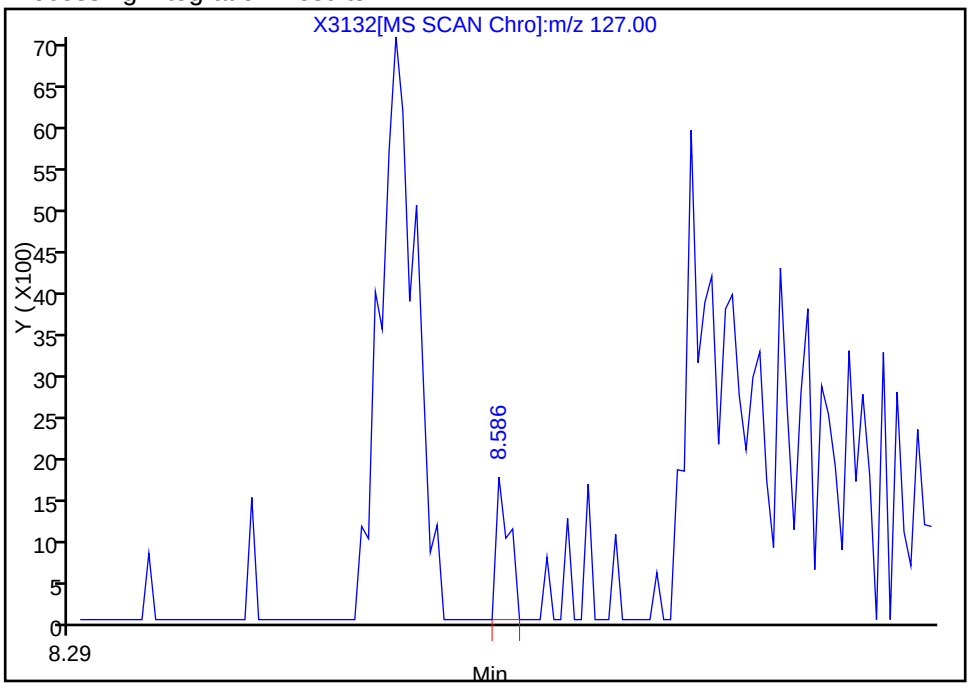
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3132.D		
Injection Date:	18-Dec-2012 11:45:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	3
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

51 4-Chloroaniline, Signal: 1, m/z: 127.0 Type: quant, RT: 8.66

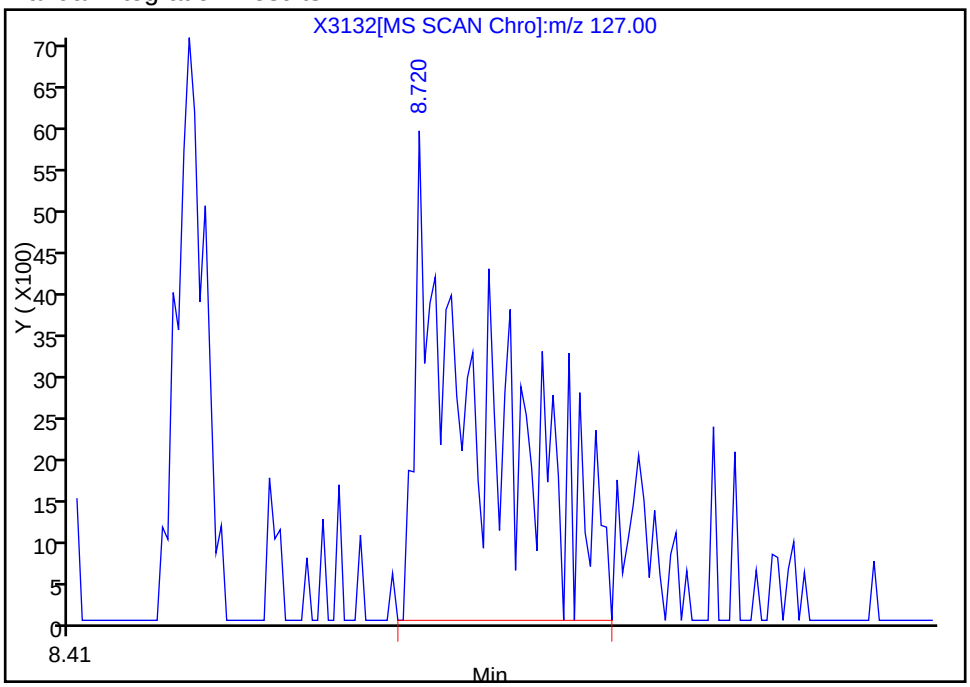
Processing Integration Results

RT: 8.59
Response: 1091
Amount: 0.500000



Manual Integration Results

RT: 8.72
Response: 25413
Amount: 0.389914



Reviewer: mckernar, 18-Dec-2012 13:05:38
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

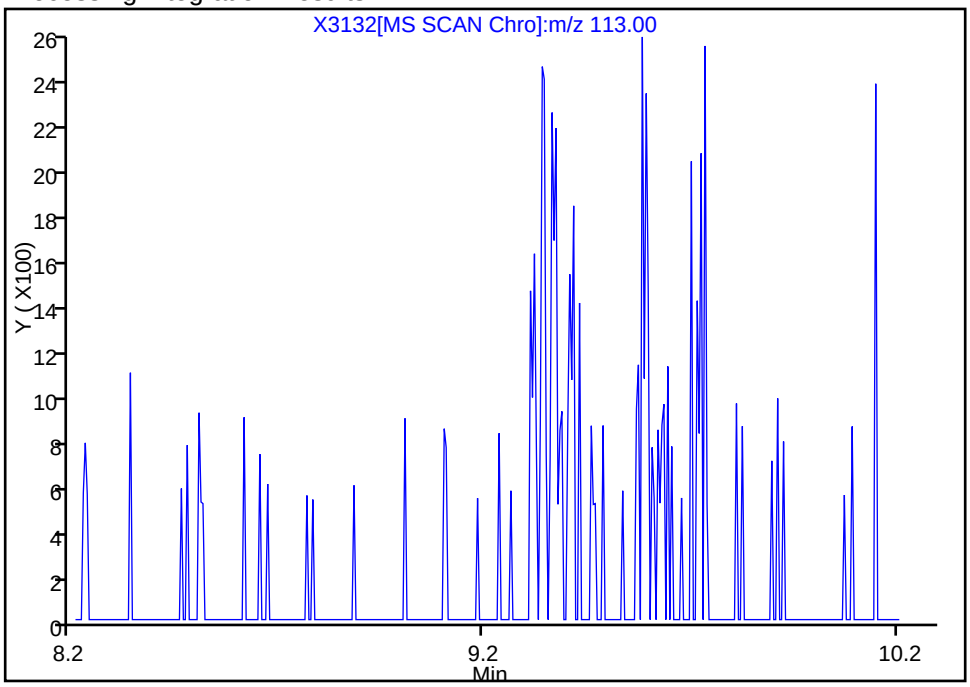
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3132.D		
Injection Date:	18-Dec-2012 11:45:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	3
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

54 Caprolactam, Signal: 1, m/z: 113.0 Type: quant, RT: 9.21

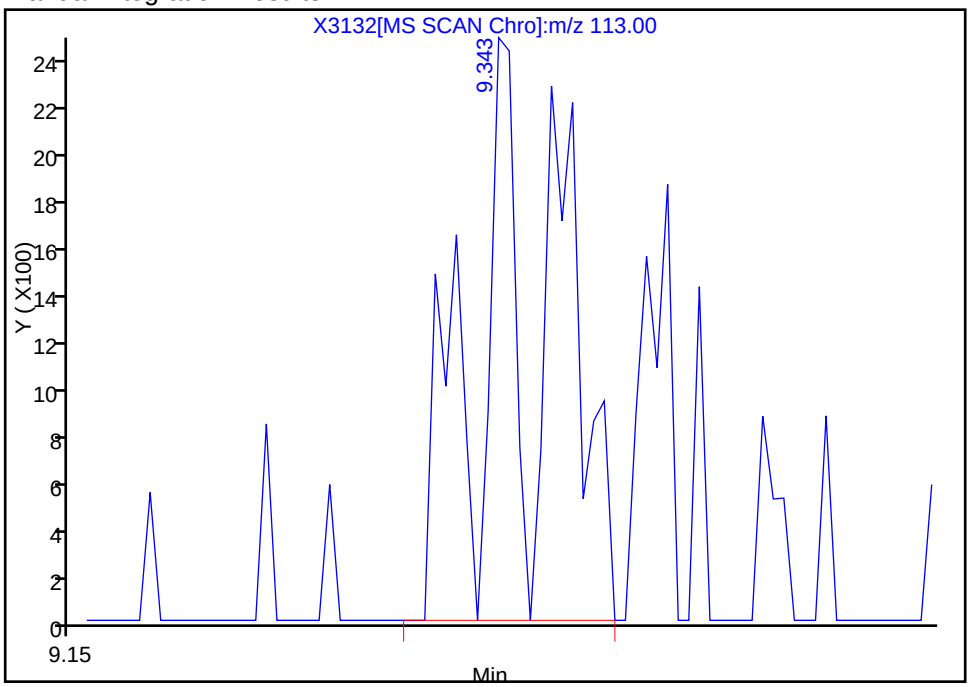
Processing Integration Results

Not Detected
Expected RT: 9.21



Manual Integration Results

RT: 9.34
Response: 5831
Amount: 0.362421



Reviewer: mckernar, 18-Dec-2012 13:05:38
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 18-Dec-2012 16:42:59 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

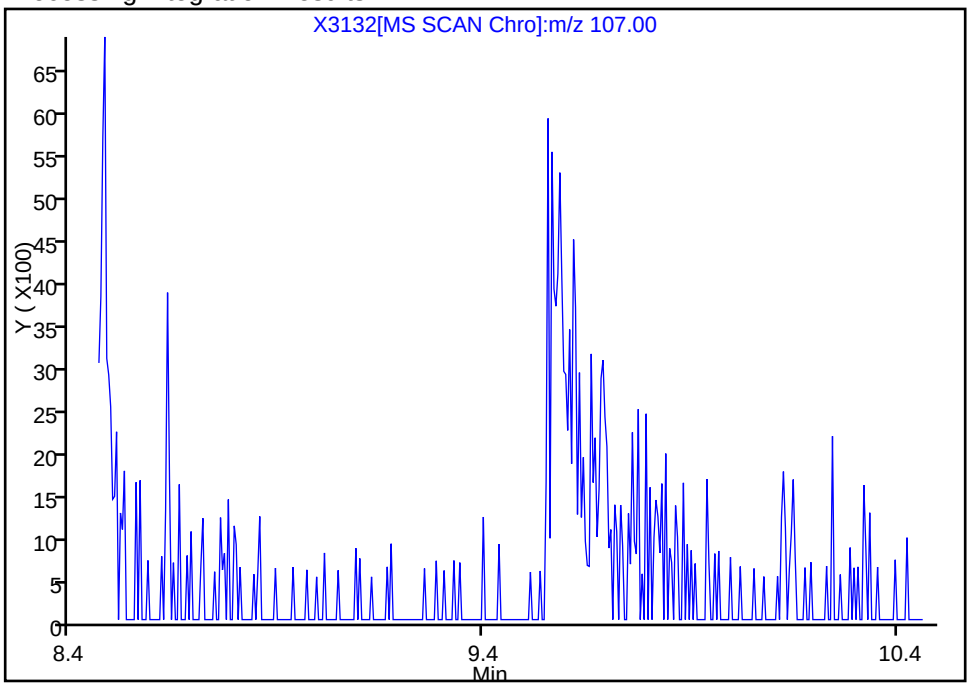
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3132.D		
Injection Date:	18-Dec-2012 11:45:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	3
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

55 4-Chloro-3-methylphenol, Signal: 1, m/z: 107.0 Type: quant, RT: 9.47

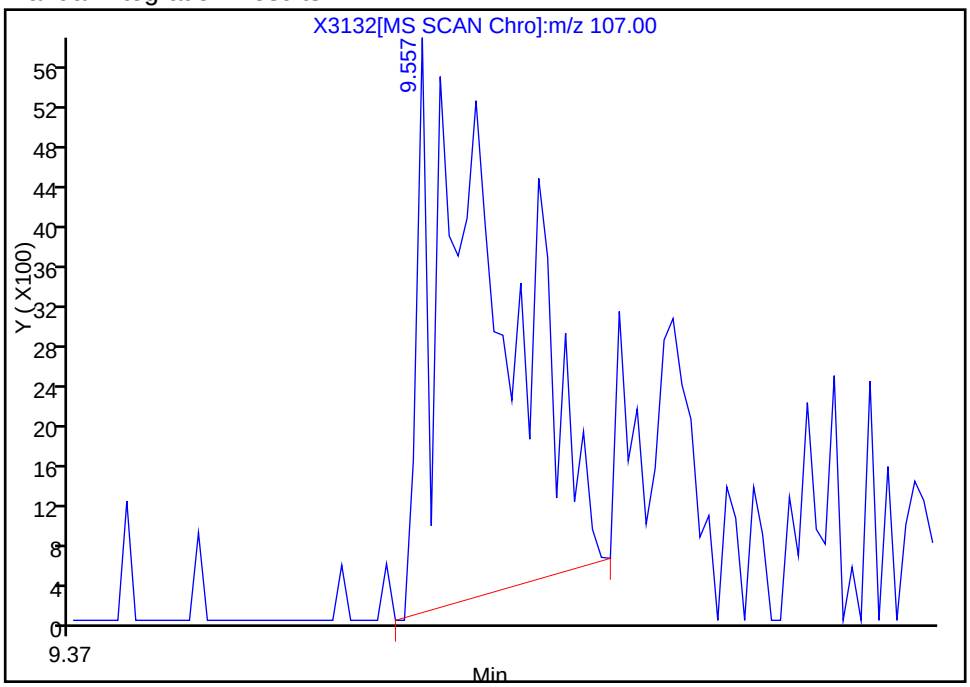
Processing Integration Results

Not Detected
Expected RT: 9.47



Manual Integration Results

RT: 9.56
Response: 16457
Amount: 0.336975



Reviewer: mckernar, 18-Dec-2012 13:05:38
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Manual Integration/User Assign Peak Report

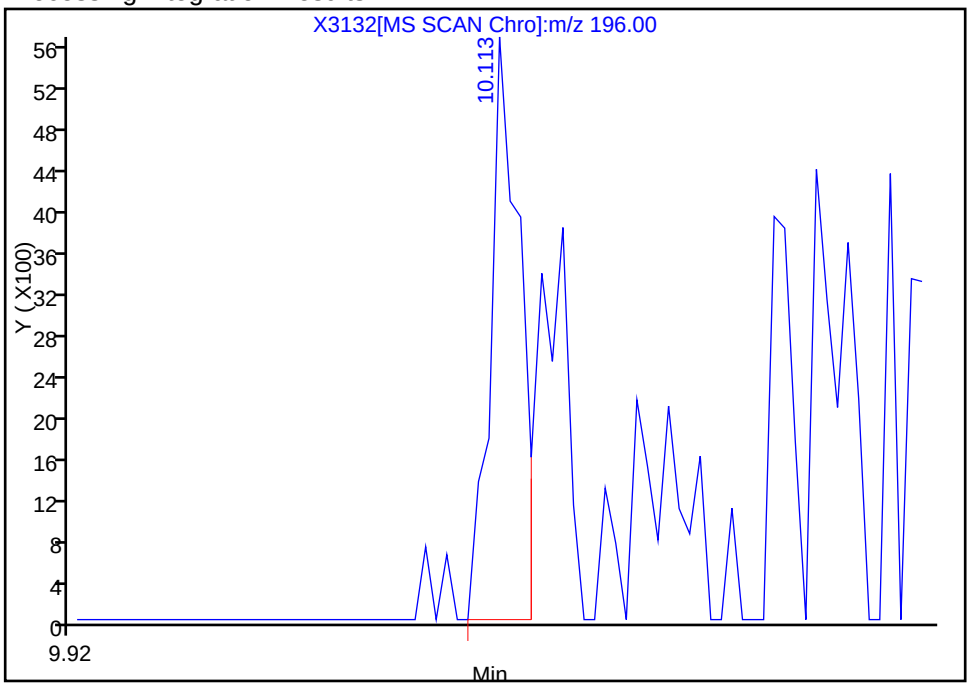
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3132.D		
Injection Date:	18-Dec-2012 11:45:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	3
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

60 2,4,6-Trichlorophenol, Signal: 1, m/z: 196.0 Type: quant, RT: 10.04

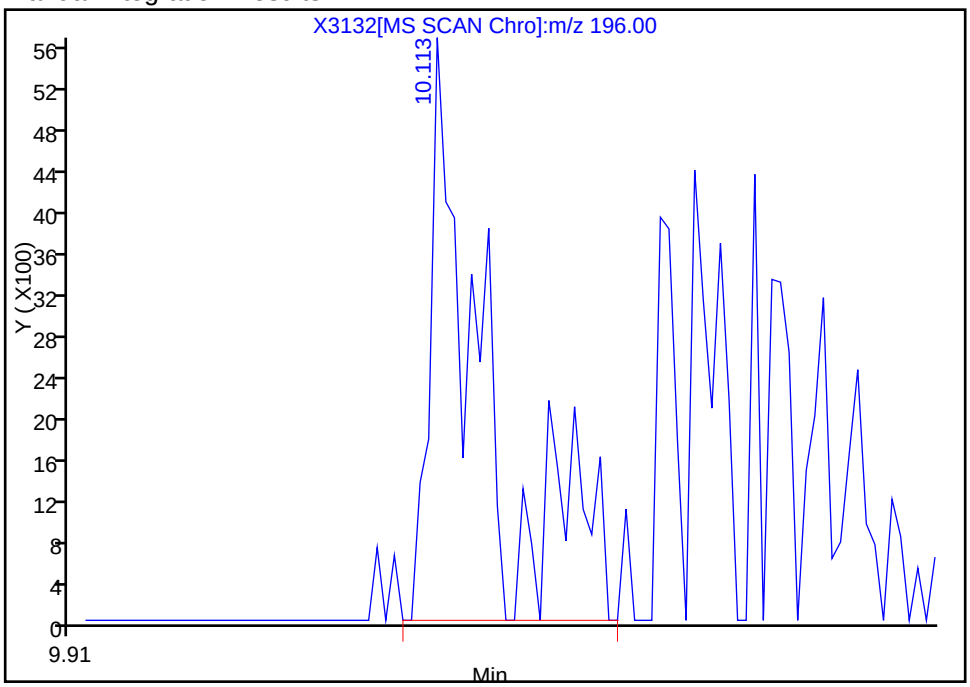
Processing Integration Results

RT: 10.11
Response: 5174
Amount: 0.500000



Manual Integration Results

RT: 10.11
Response: 11611
Amount: 0.409398



Reviewer: mckernar, 18-Dec-2012 13:05:38
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

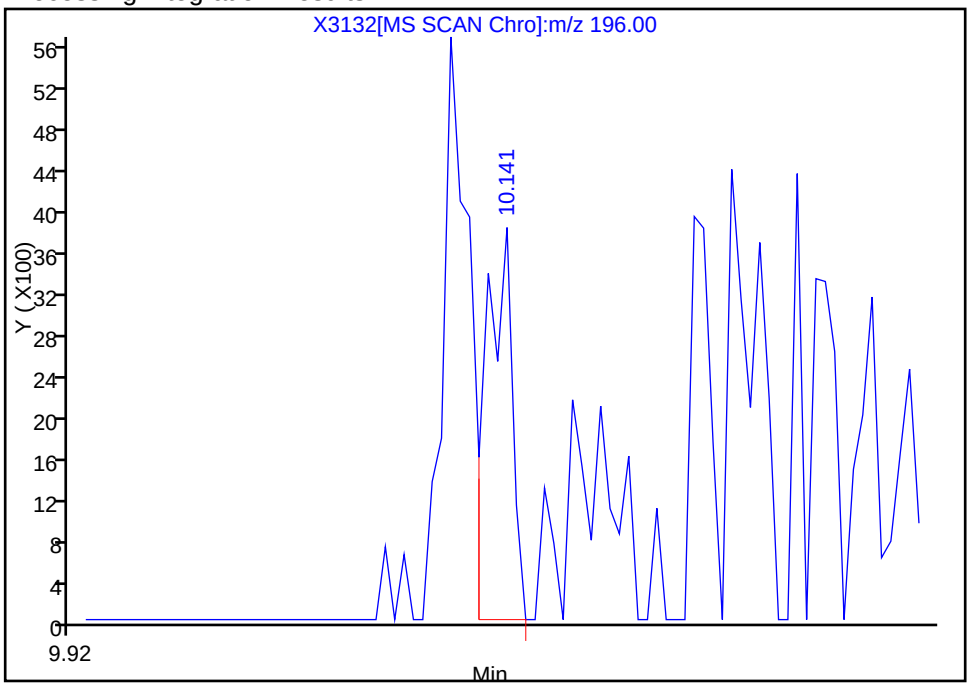
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3132.D		
Injection Date:	18-Dec-2012 11:45:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	3
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

61 2,4,5-Trichlorophenol, Signal: 1, m/z: 196.0 Type: quant, RT: 10.15

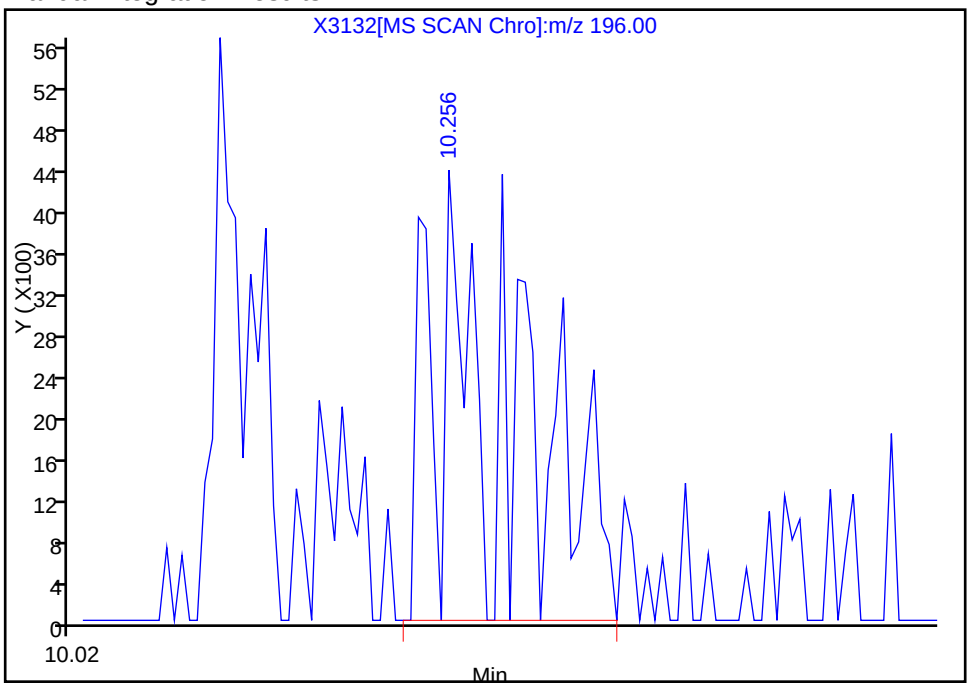
Processing Integration Results

RT: 10.14
Response: 3495
Amount: 0.500000



Manual Integration Results

RT: 10.26
Response: 14692
Amount: 0.535517



Reviewer: mckernar, 18-Dec-2012 13:05:38
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Report Date: 18-Dec-2012 16:42:59 Chrom Revision: 2.0 22-Oct-2012 16:30:48

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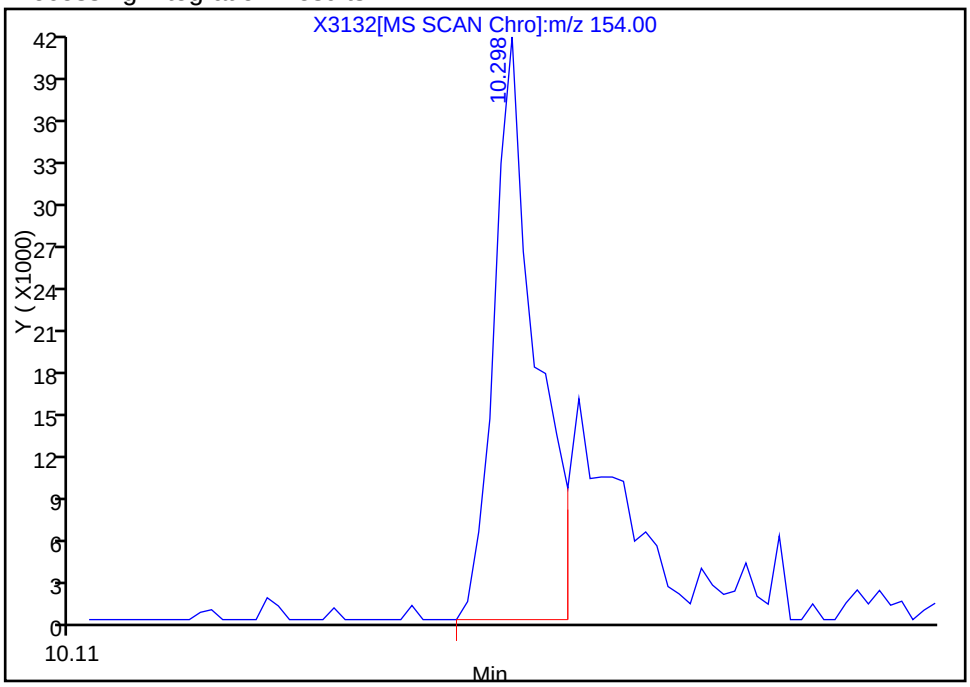
Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3132.D		
Injection Date:	18-Dec-2012 11:45:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	3
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

62 1,1'-Biphenyl, Signal: 1, m/z: 154.0 Type: quant, RT: 10.27

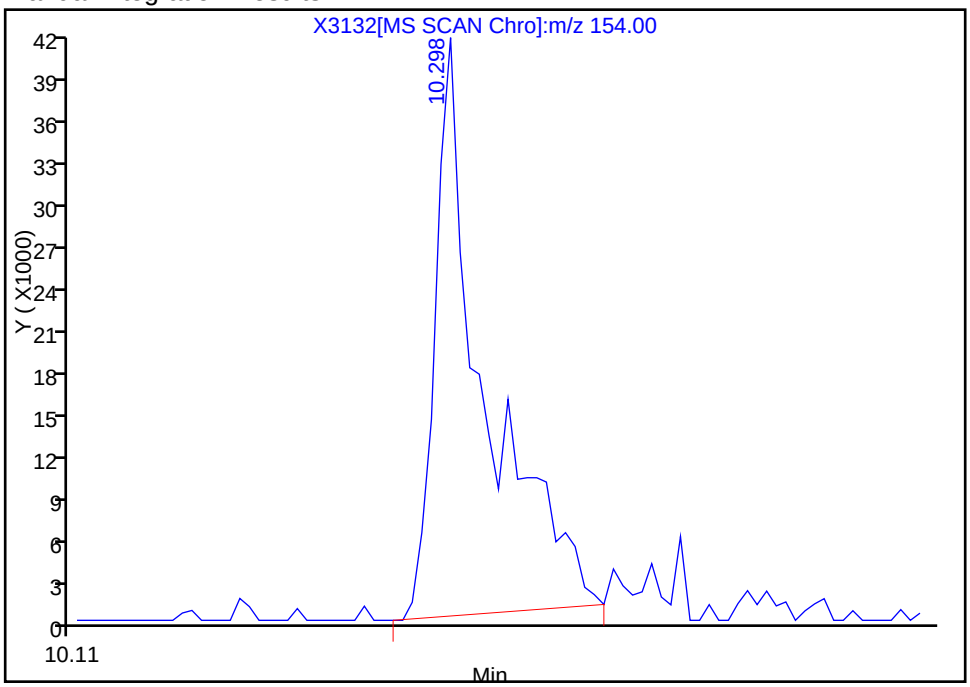
Processing Integration Results

RT: 10.30
Response: 51536
Amount: 0.500000



Manual Integration Results

RT: 10.30
Response: 70247
Amount: 0.494725



Reviewer: mckernar, 18-Dec-2012 13:05:38
Audit Action: Manually Integrated
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Report Date: 18-Dec-2012 16:42:59 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

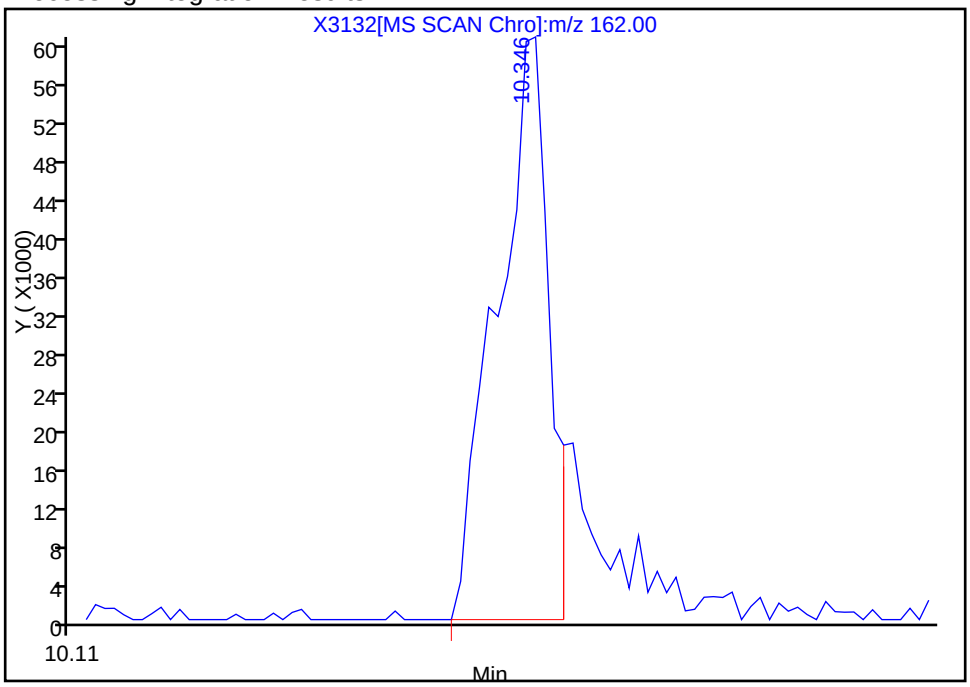
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3132.D		
Injection Date:	18-Dec-2012 11:45:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	3
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

63 2-Chloronaphthalene, Signal: 1, m/z: 162.0 Type: quant, RT: 10.32

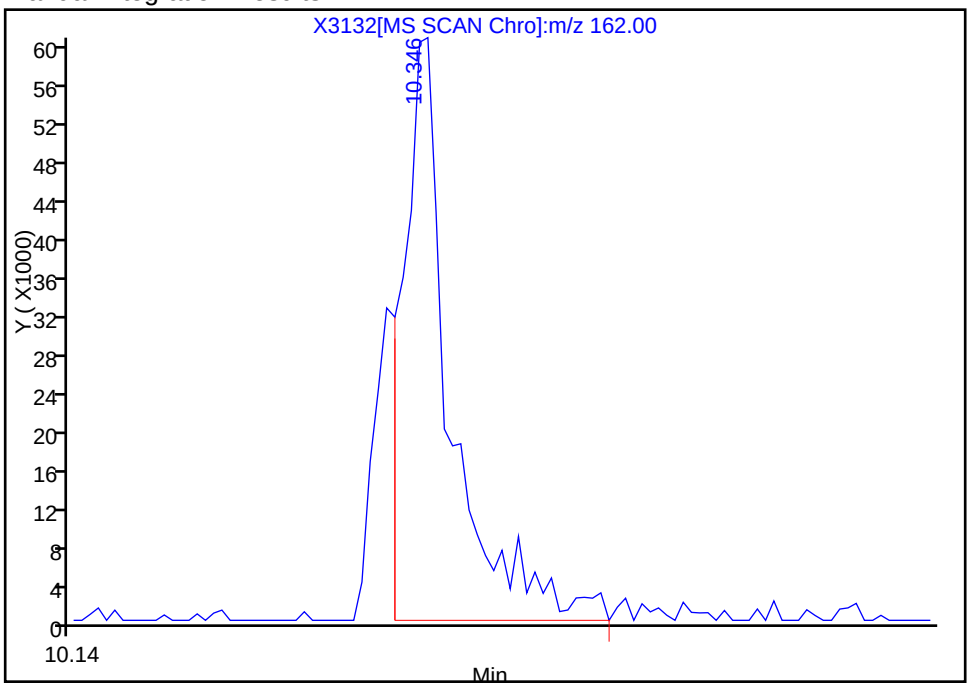
Processing Integration Results

RT: 10.35
Response: 110228
Amount: 0.500000



Manual Integration Results

RT: 10.35
Response: 115849
Amount: 0.538325



Reviewer: mckernar, 18-Dec-2012 13:05:38
Audit Action: Split an Integrated Peak
Audit Reason: Coelution

Report Date: 18-Dec-2012 16:42:59 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

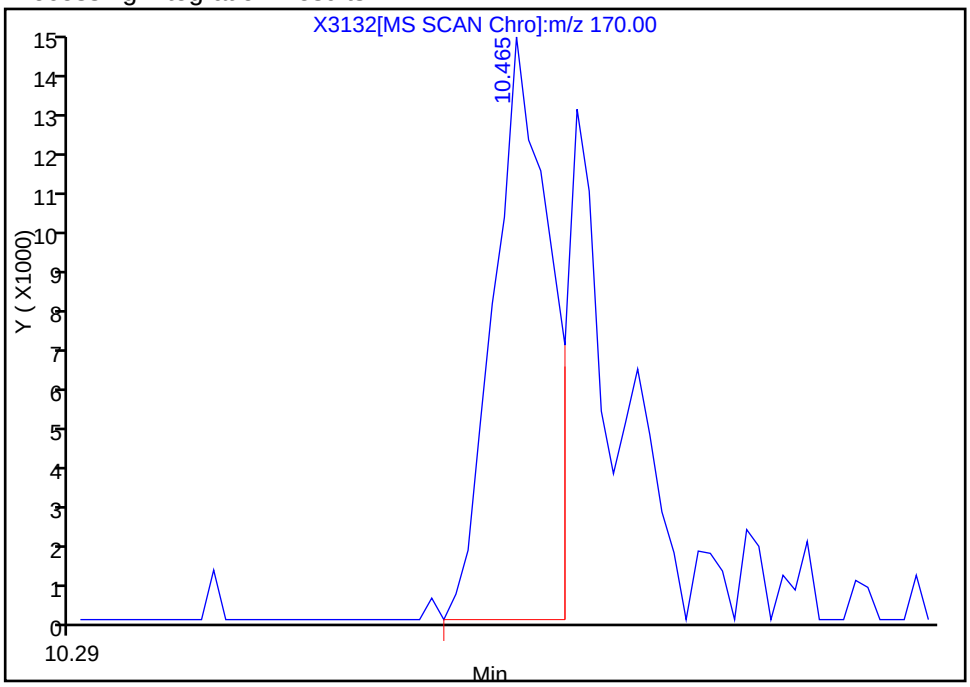
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3132.D		
Injection Date:	18-Dec-2012 11:45:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	3
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

64 Phenyl ether, Signal: 1, m/z: 170.0 Type: quant, RT: 10.44

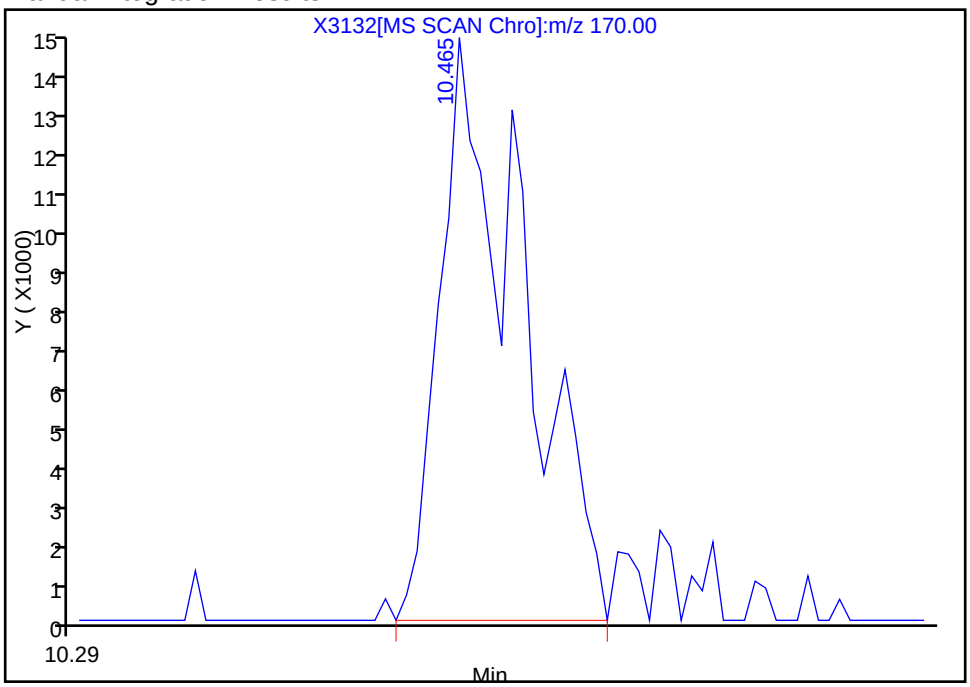
Processing Integration Results

RT: 10.46
Response: 22947
Amount: 0



Manual Integration Results

RT: 10.46
Response: 38232
Amount: 0.495097



Reviewer: mckernar, 18-Dec-2012 13:05:38
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 18-Dec-2012 16:42:59 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

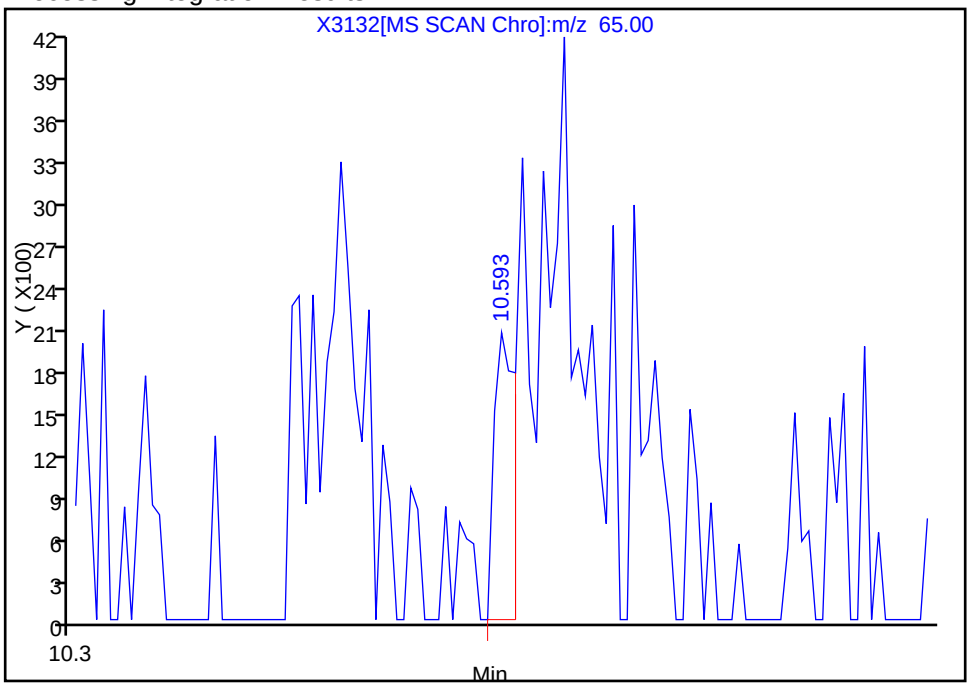
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3132.D		
Injection Date:	18-Dec-2012 11:45:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	3
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

65 2-Nitroaniline, Signal: 1, m/z: 65.0 Type: quant, RT: 10.51

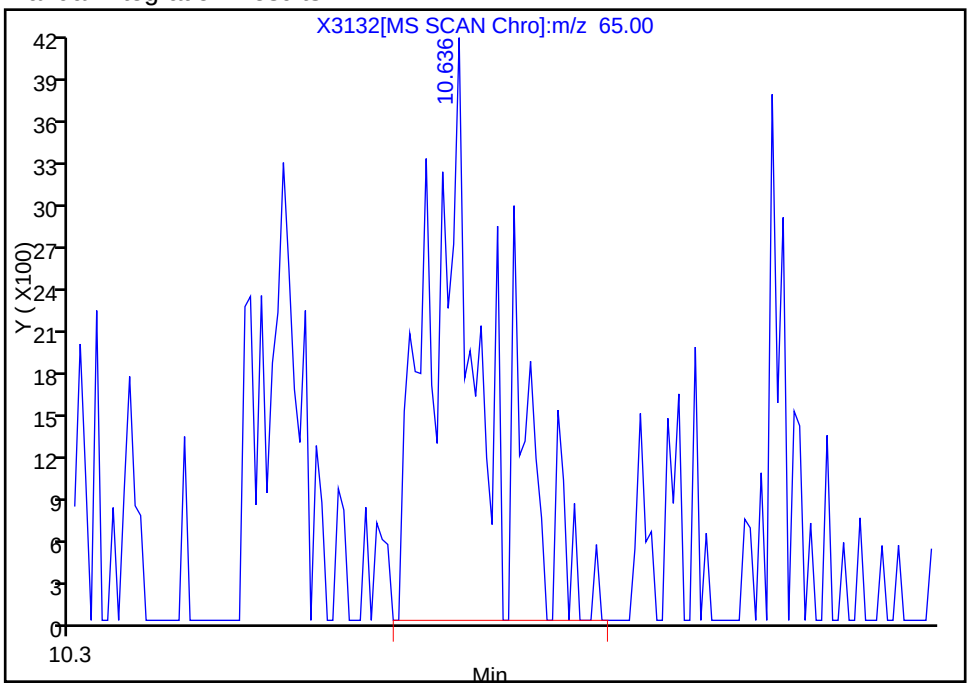
Processing Integration Results

RT: 10.59
Response: 2030
Amount: 0.500000



Manual Integration Results

RT: 10.64
Response: 14515
Amount: 0.446249



Reviewer: mckernar, 18-Dec-2012 13:05:38
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

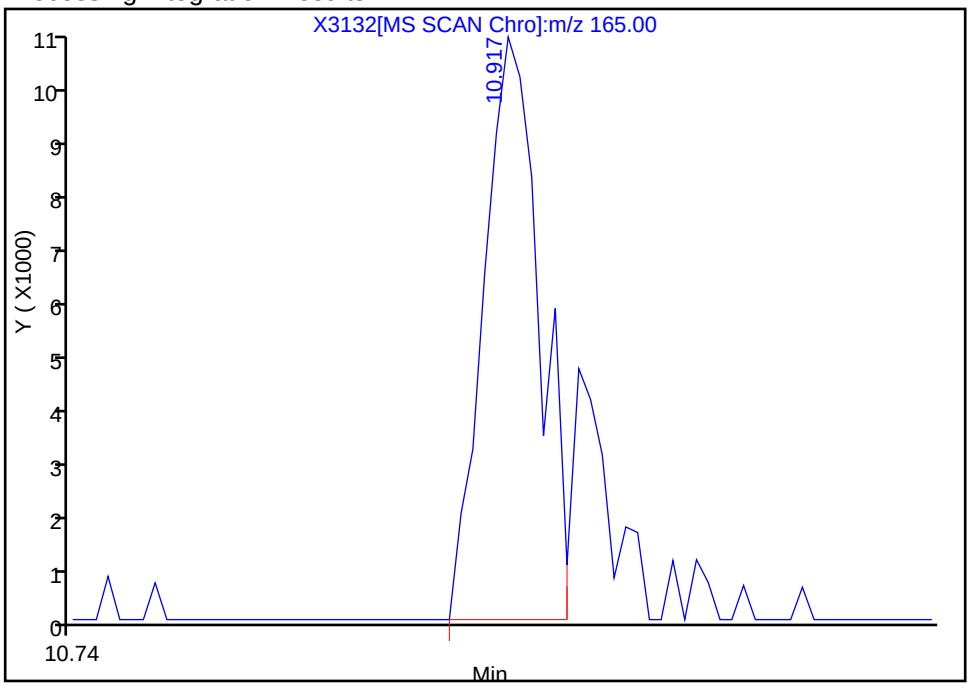
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3132.D		
Injection Date:	18-Dec-2012 11:45:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	3
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

68 2,6-Dinitrotoluene, Signal: 1, m/z: 165.0 Type: quant, RT: 10.86

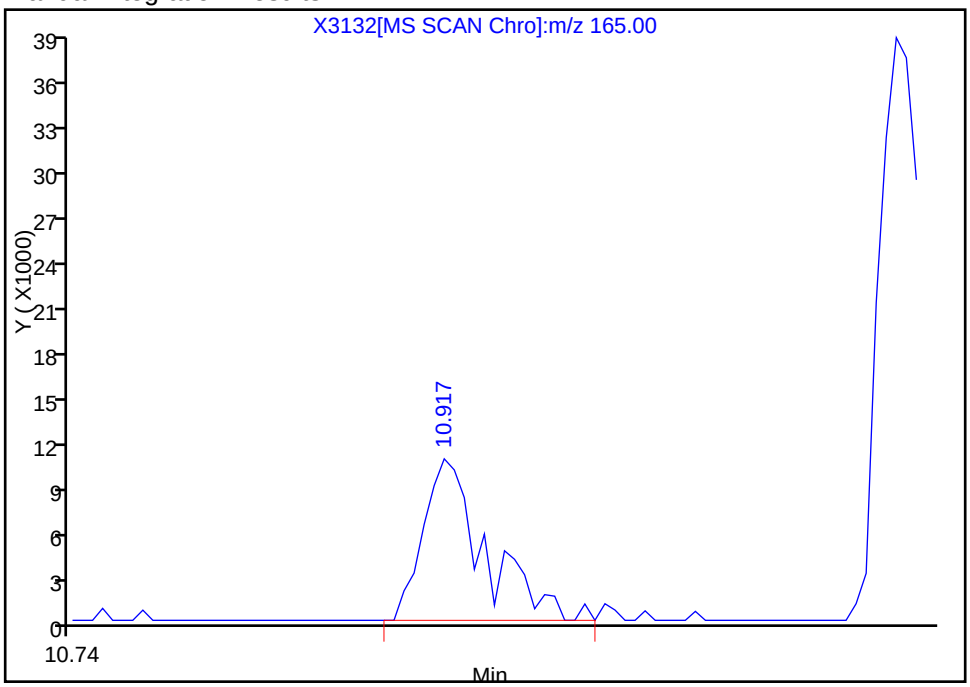
Processing Integration Results

RT: 10.92
Response: 16841
Amount: 0.500000



Manual Integration Results

RT: 10.92
Response: 21625
Amount: 0.375348



Reviewer: mckernar, 18-Dec-2012 13:05:38
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 18-Dec-2012 16:42:59 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

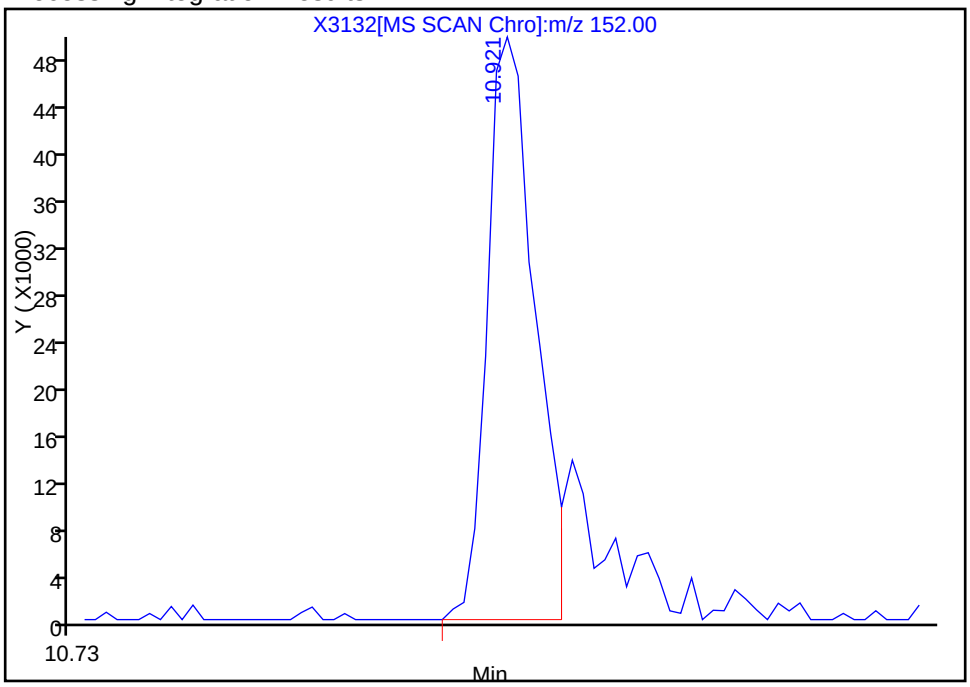
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3132.D		
Injection Date:	18-Dec-2012 11:45:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	3
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

69 Acenaphthylene, Signal: 1, m/z: 152.0 Type: quant, RT: 10.91

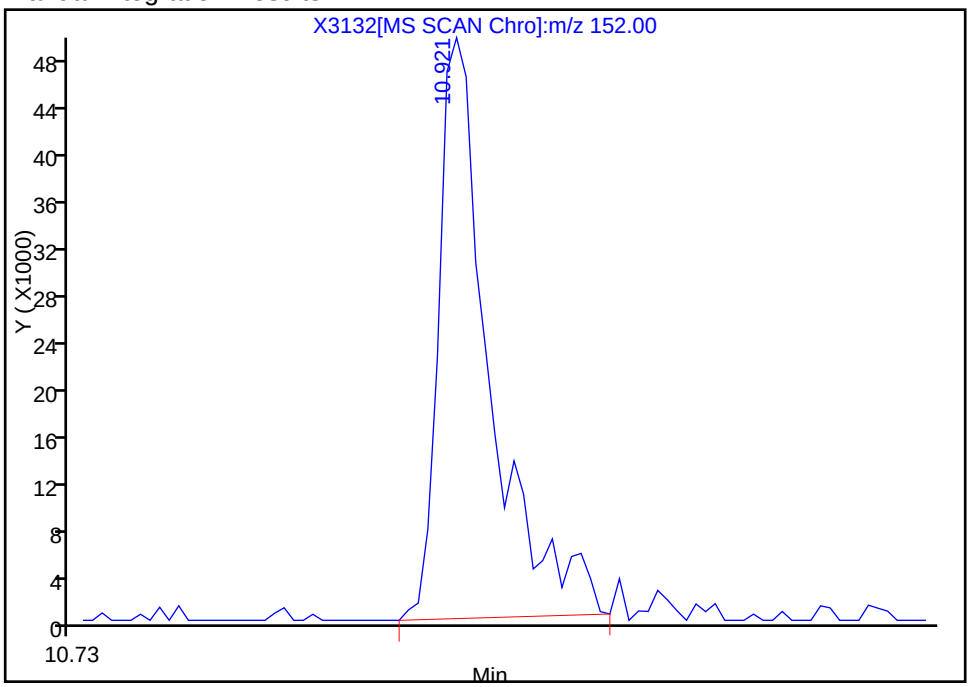
Processing Integration Results

RT: 10.92
Response: 73015
Amount: 0.500000



Manual Integration Results

RT: 10.92
Response: 88280
Amount: 0.513881



Reviewer: mckernar, 18-Dec-2012 13:05:38
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 18-Dec-2012 16:42:59 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

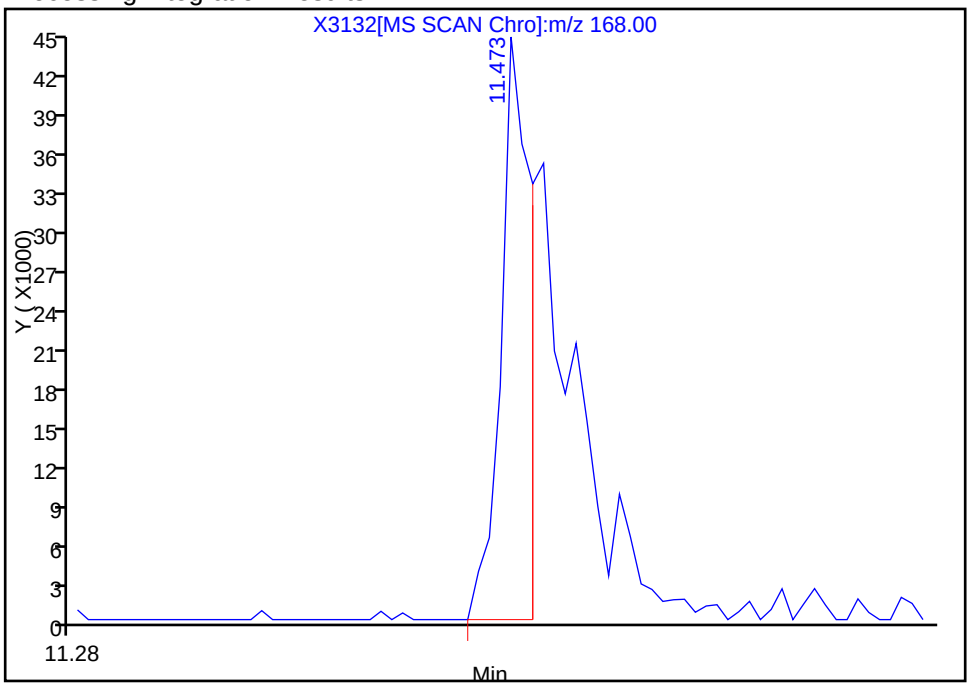
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3132.D		
Injection Date:	18-Dec-2012 11:45:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	3
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

73 Dibenzofuran, Signal: 1, m/z: 168.0 Type: quant, RT: 11.44

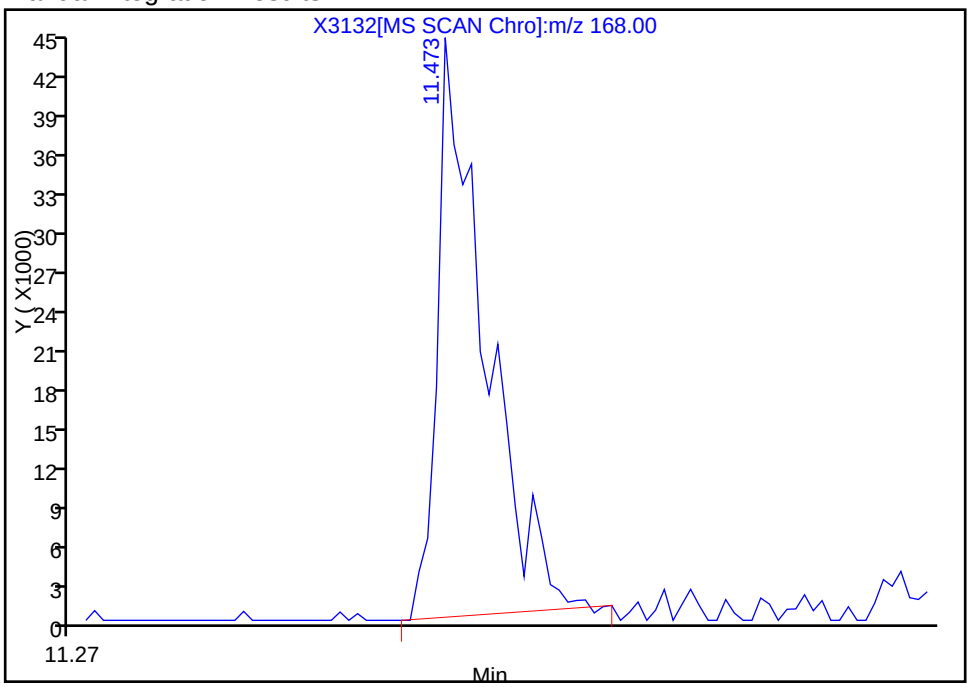
Processing Integration Results

RT: 11.47
Response: 40138
Amount: 0.476597



Manual Integration Results

RT: 11.47
Response: 78290
Amount: 0.536539



Reviewer: mckernar, 18-Dec-2012 13:05:38
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

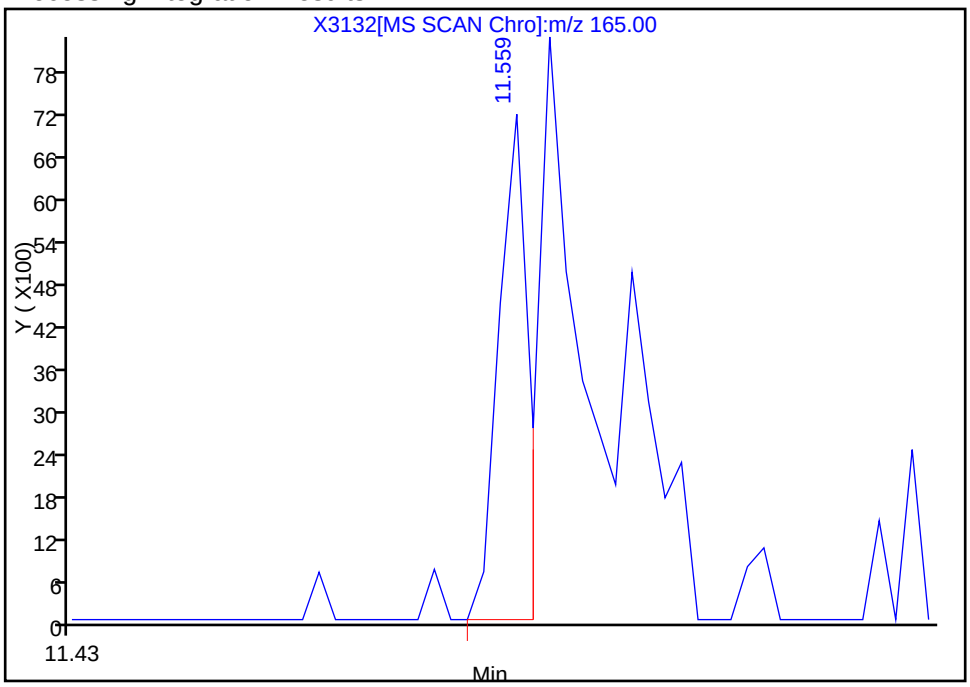
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3132.D		
Injection Date:	18-Dec-2012 11:45:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	3
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

74 2,4-Dinitrotoluene, Signal: 1, m/z: 165.0 Type: quant, RT: 11.49

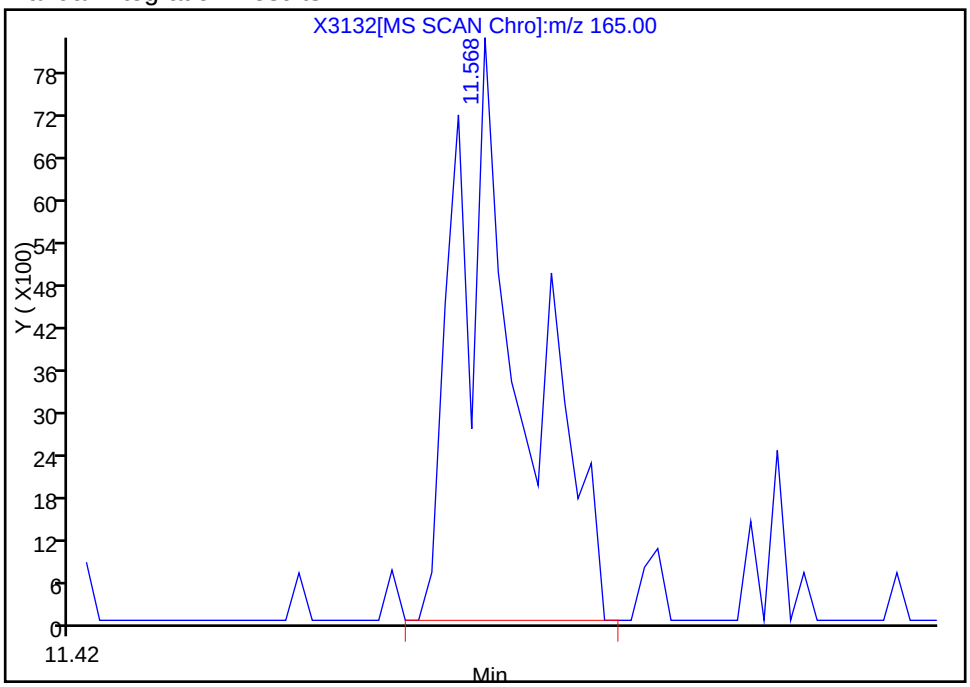
Processing Integration Results

RT: 11.56
Response: 4285
Amount: 0.500000



Manual Integration Results

RT: 11.57
Response: 13719
Amount: 0.373061



Reviewer: mckernar, 18-Dec-2012 13:05:38
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 18-Dec-2012 16:42:59 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

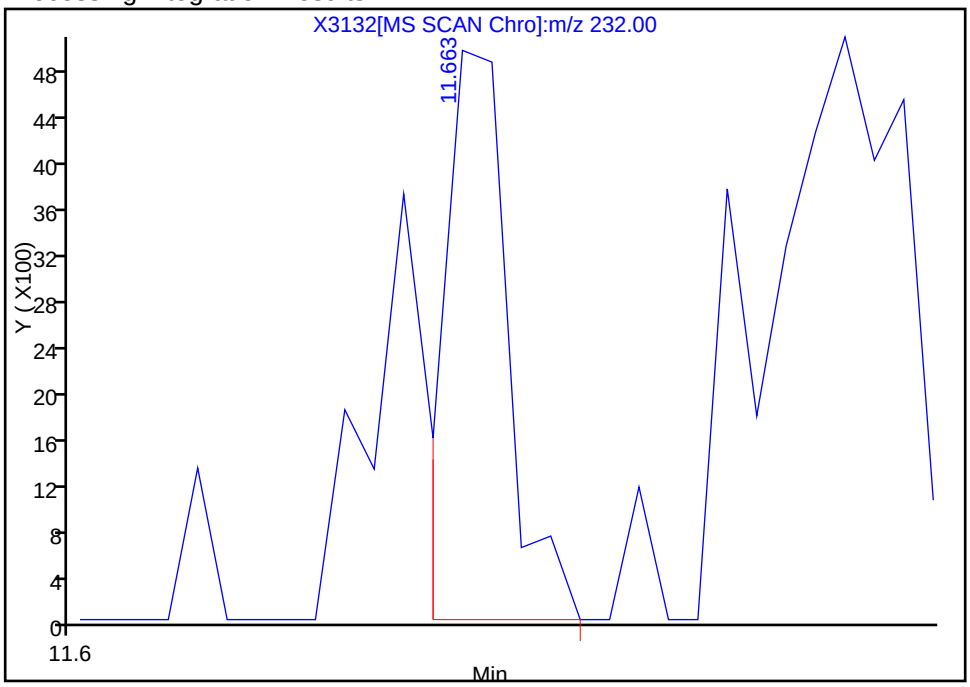
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3132.D		
Injection Date:	18-Dec-2012 11:45:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	3
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

76 2,3,4,6-Tetrachlorophenol, Signal: 1, m/z: 232.0 Type: quant, RT: 11.67

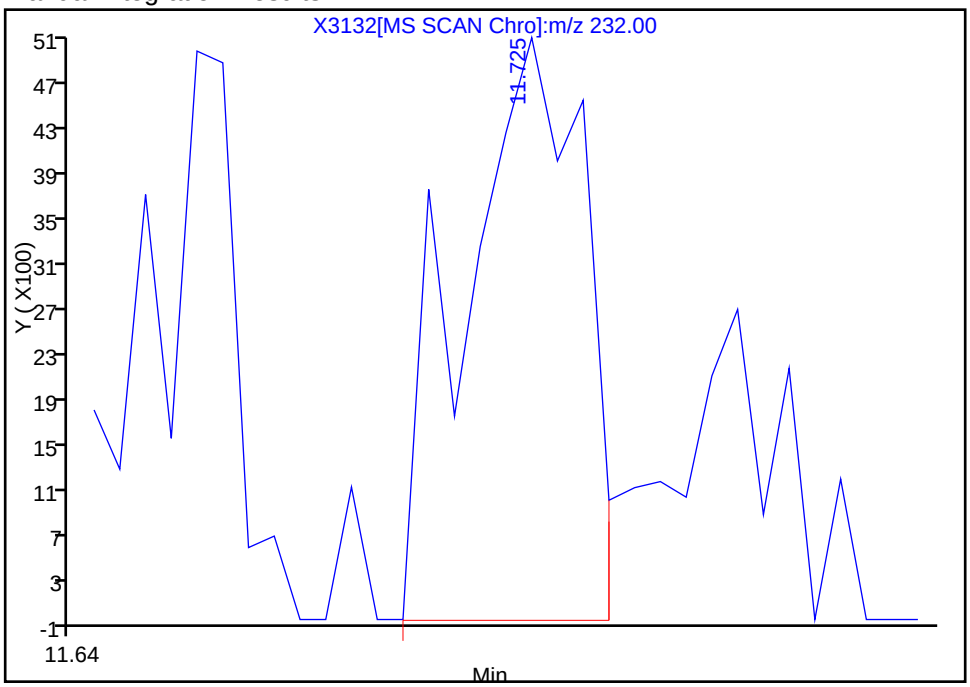
Processing Integration Results

RT: 11.66
Response: 3635
Amount: 0.500000



Manual Integration Results

RT: 11.73
Response: 7906
Amount: 0.358219



Reviewer: mckernar, 18-Dec-2012 15:41:53
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 18-Dec-2012 16:42:59 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

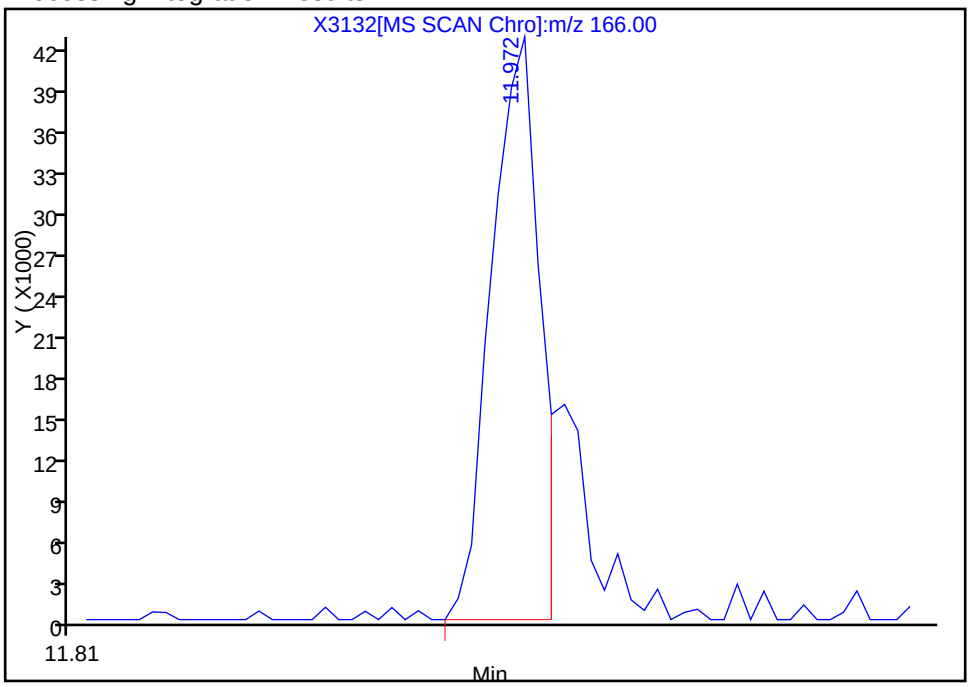
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3132.D		
Injection Date:	18-Dec-2012 11:45:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	3
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

79 Fluorene, Signal: 1, m/z: 166.0 Type: quant, RT: 11.93

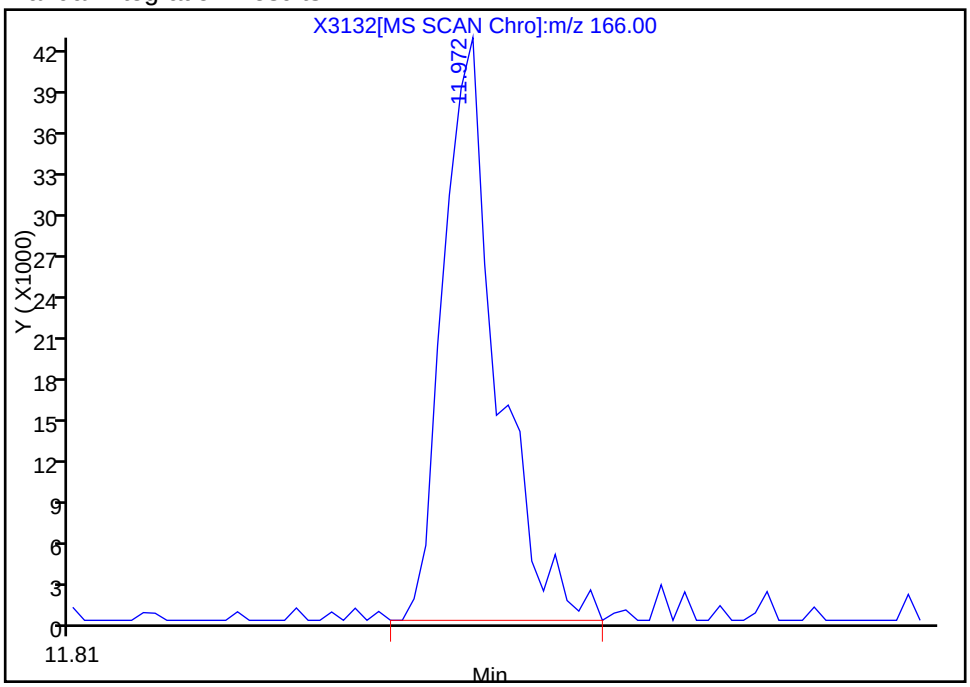
Processing Integration Results

RT: 11.97
Response: 51423
Amount: 0.500000



Manual Integration Results

RT: 11.97
Response: 64267
Amount: 0.481573



Reviewer: mckernar, 18-Dec-2012 13:05:38
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

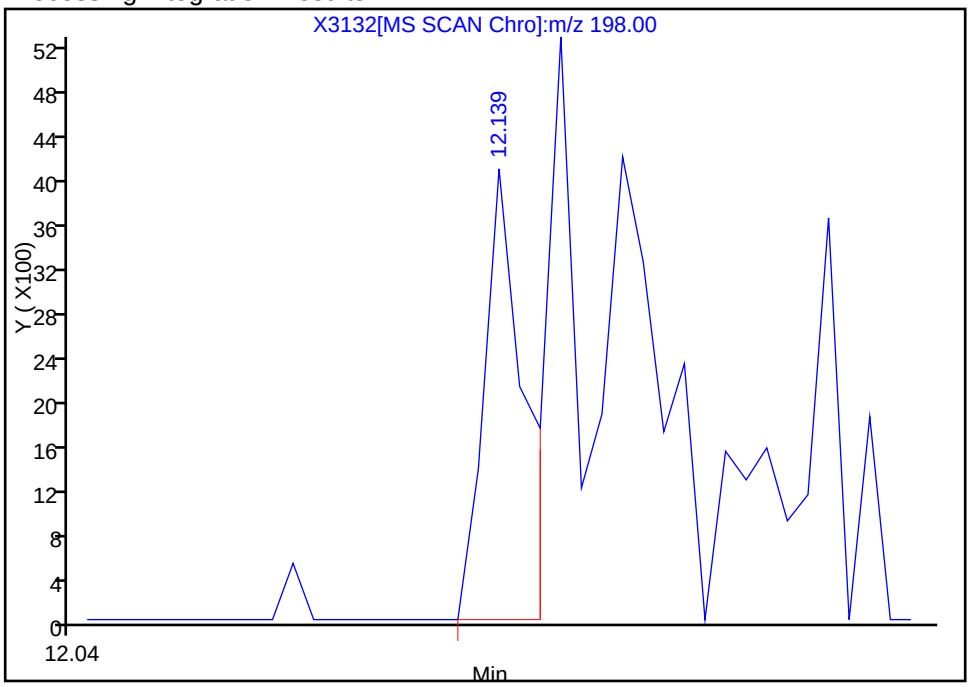
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3132.D		
Injection Date:	18-Dec-2012 11:45:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	3
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

82 4,6-Dinitro-2-methylphenol, Signal: 1, m/z: 198.0 Type: quant, RT: 12.08

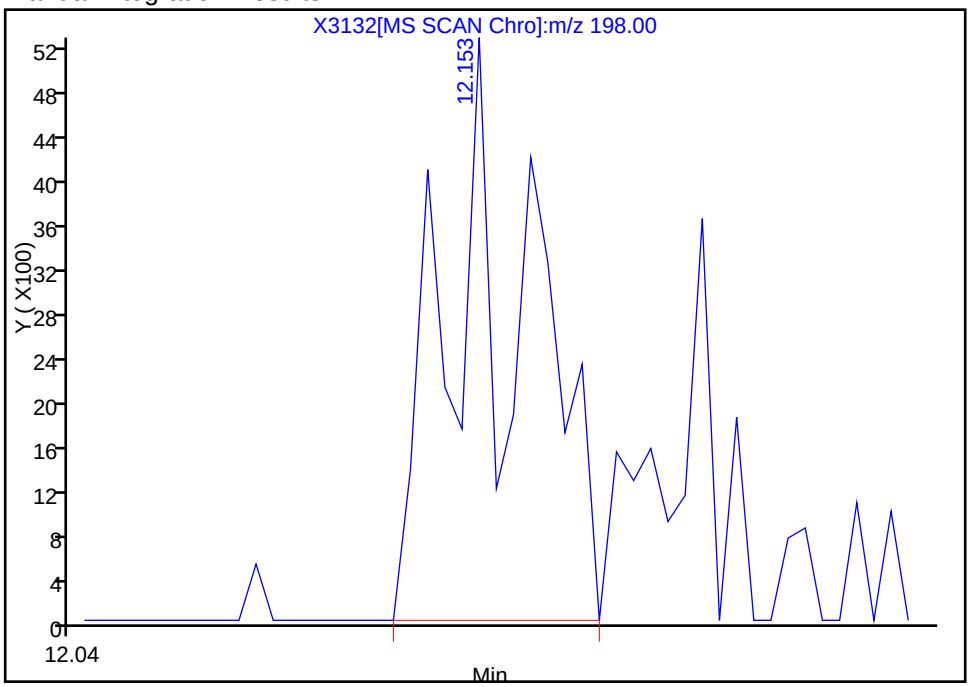
Processing Integration Results

RT: 12.14
Response: 2659
Amount: 1.000000



Manual Integration Results

RT: 12.15
Response: 8320
Amount: 1.352034



Reviewer: mckernar, 18-Dec-2012 13:05:38
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 18-Dec-2012 16:42:59 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

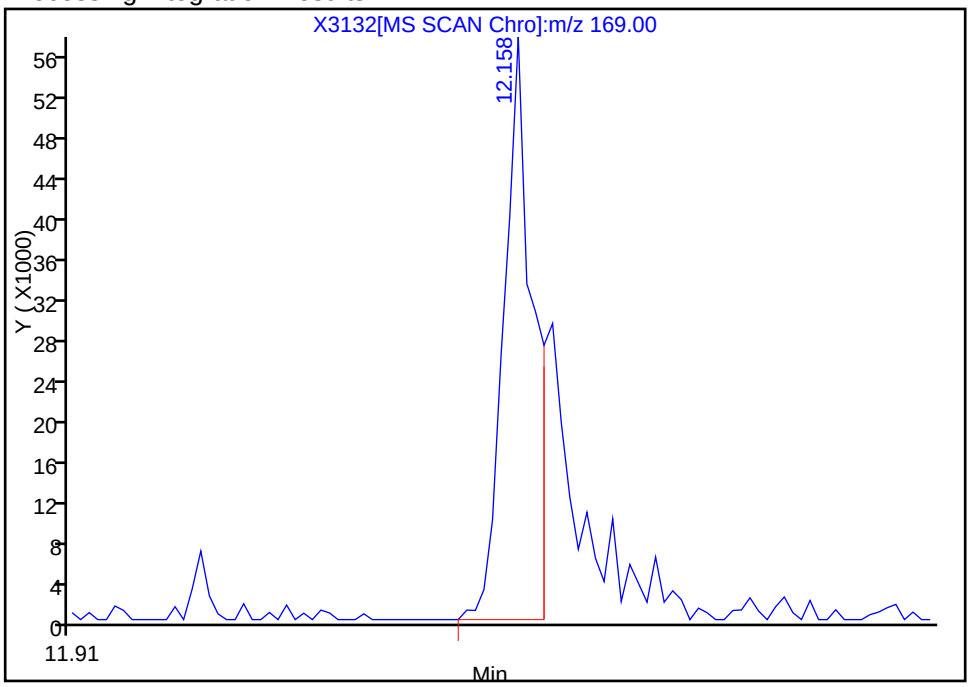
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3132.D		
Injection Date:	18-Dec-2012 11:45:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	3
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

84 Diphenylamine, Signal: 1, m/z: 169.0 Type: quant, RT: 12.12

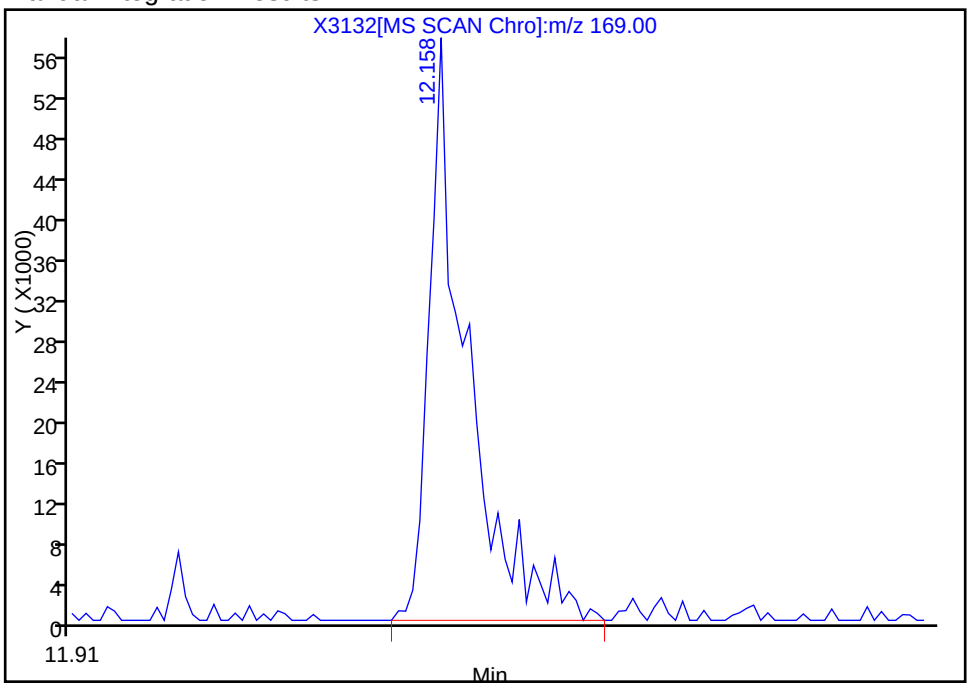
Processing Integration Results

RT: 12.16
Response: 65800
Amount: 0.469898



Manual Integration Results

RT: 12.16
Response: 101850
Amount: 0.480403



Reviewer: mckernar, 18-Dec-2012 13:05:38
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 18-Dec-2012 16:42:59 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

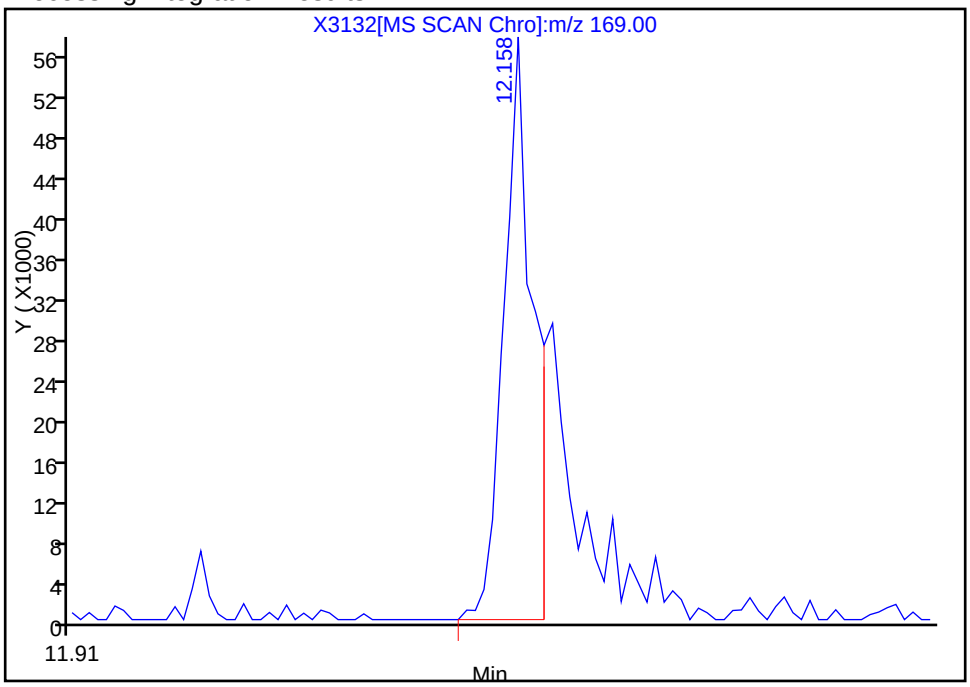
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3132.D		
Injection Date:	18-Dec-2012 11:45:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	3
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

83 N-Nitrosodiphenylamine, Signal: 1, m/z: 169.0 Type: quant, RT: 12.12

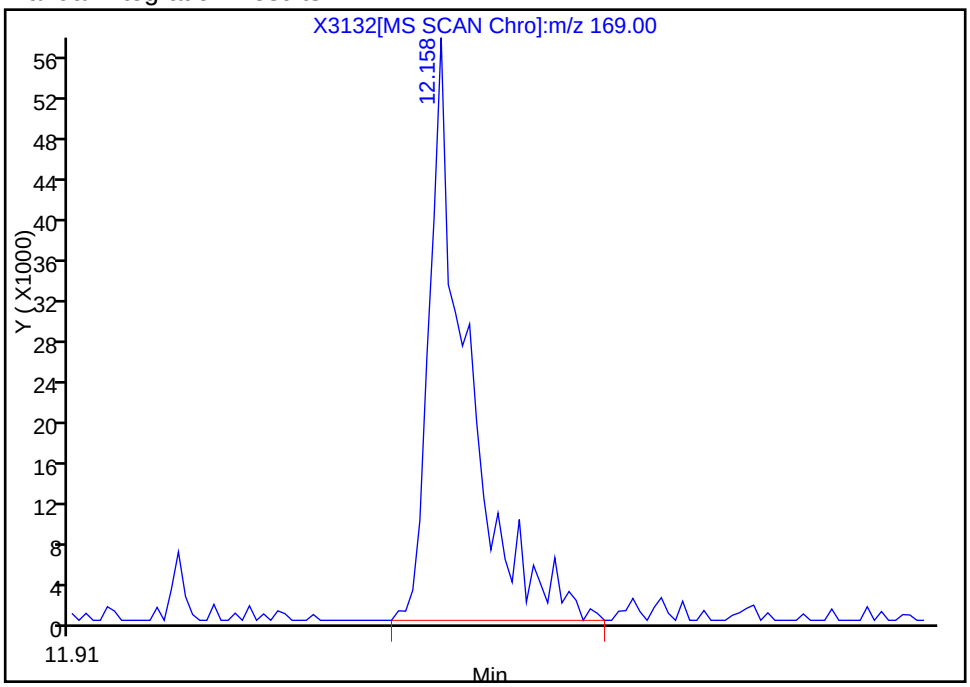
Processing Integration Results

RT: 12.16
Response: 65800
Amount: 0.472216



Manual Integration Results

RT: 12.16
Response: 101850
Amount: 0.480749



Reviewer: mckernar, 18-Dec-2012 13:05:38
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 18-Dec-2012 16:42:59 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

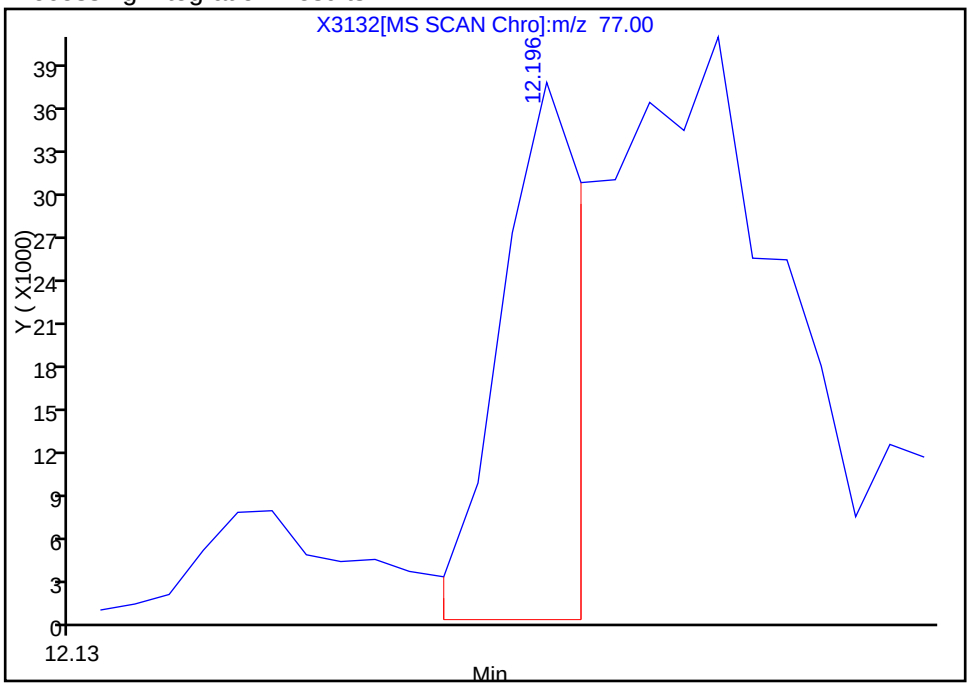
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3132.D		
Injection Date:	18-Dec-2012 11:45:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	3
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

16 1,2-Diphenylhydrazine, Signal: 1, m/z: 77.0 Type: quant, RT: 12.17

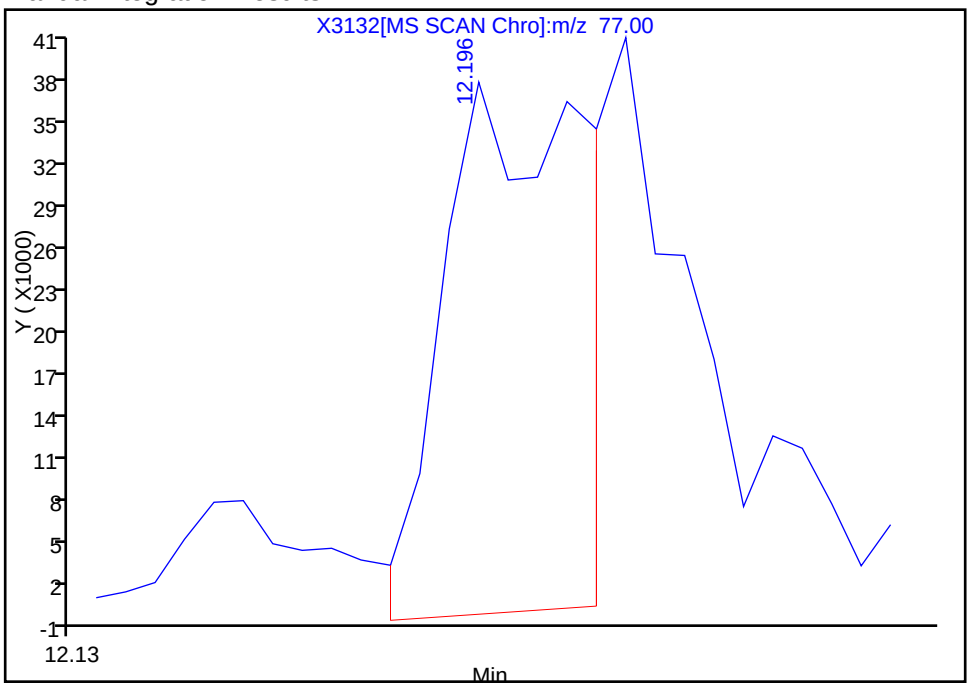
Processing Integration Results

RT: 12.20
Response: 30190
Amount: 0.500000



Manual Integration Results

RT: 12.20
Response: 59521
Amount: 0.434675



Reviewer: mckernar, 18-Dec-2012 13:05:38
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 18-Dec-2012 16:42:59 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

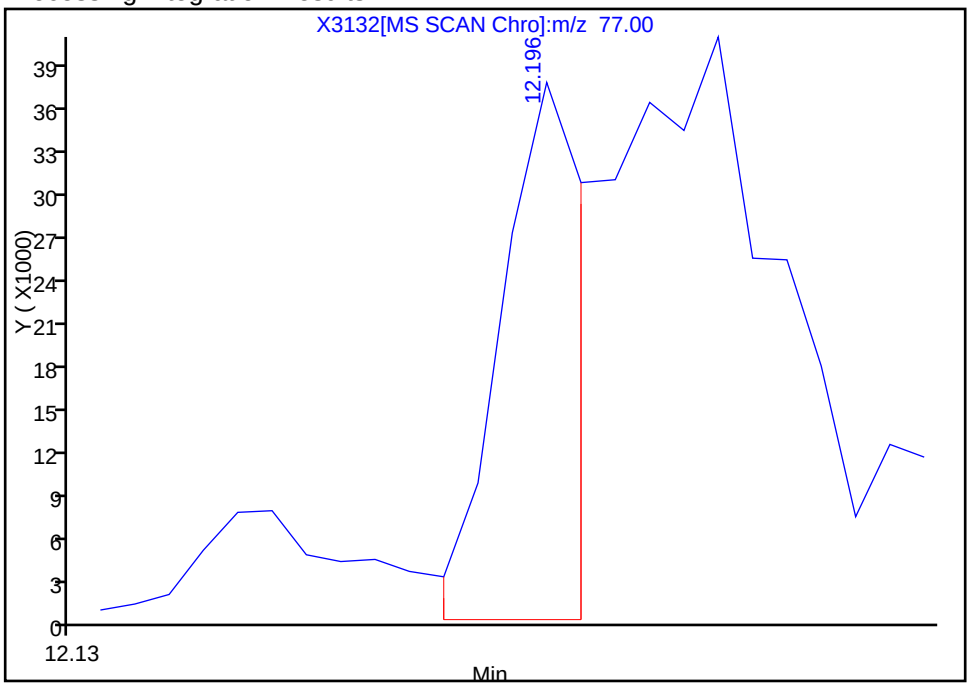
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3132.D		
Injection Date:	18-Dec-2012 11:45:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	3
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

85 Azobenzene, Signal: 1, m/z: 77.0 Type: quant, RT: 12.17

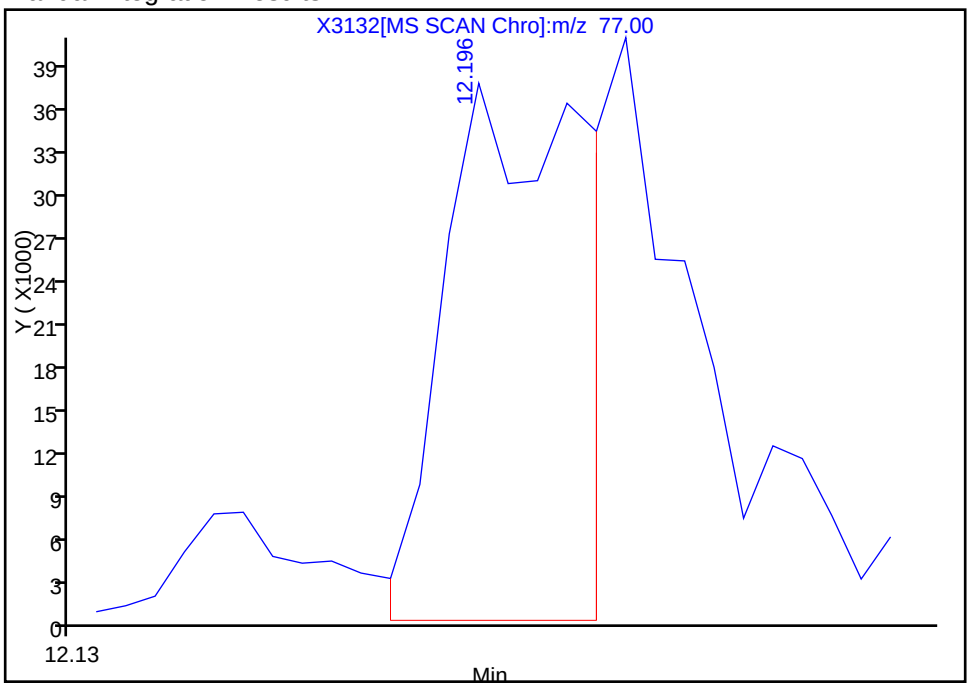
Processing Integration Results

RT: 12.20
Response: 30190
Amount: 0.500000



Manual Integration Results

RT: 12.20
Response: 58380
Amount: 0.427233



Reviewer: mckernar, 18-Dec-2012 13:05:38
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

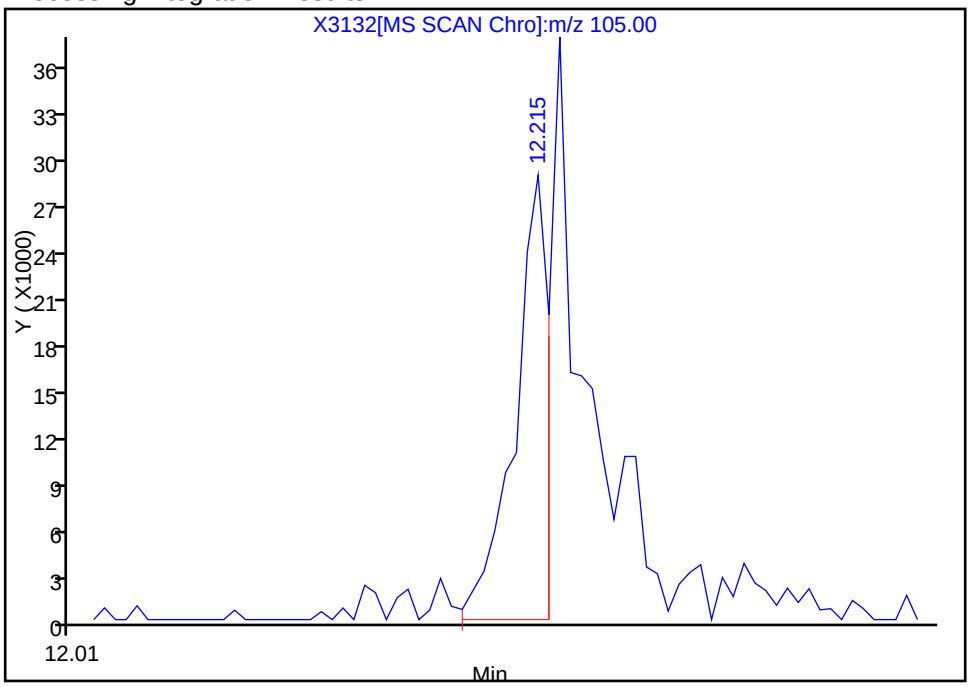
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3132.D		
Injection Date:	18-Dec-2012 11:45:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	3
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

86 Benzophenone, Signal: 1, m/z: 105.0 Type: quant, RT: 12.19

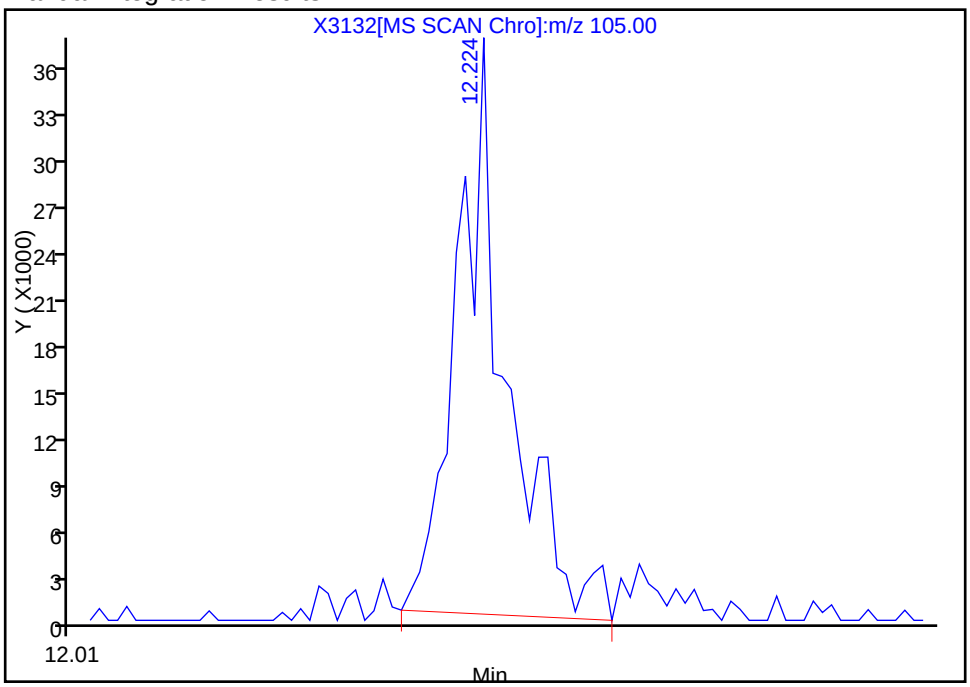
Processing Integration Results

RT: 12.21
Response: 29678
Amount: 0



Manual Integration Results

RT: 12.22
Response: 66890
Amount: 0.572698



Reviewer: mckernar, 18-Dec-2012 13:05:38
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 18-Dec-2012 16:42:59 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

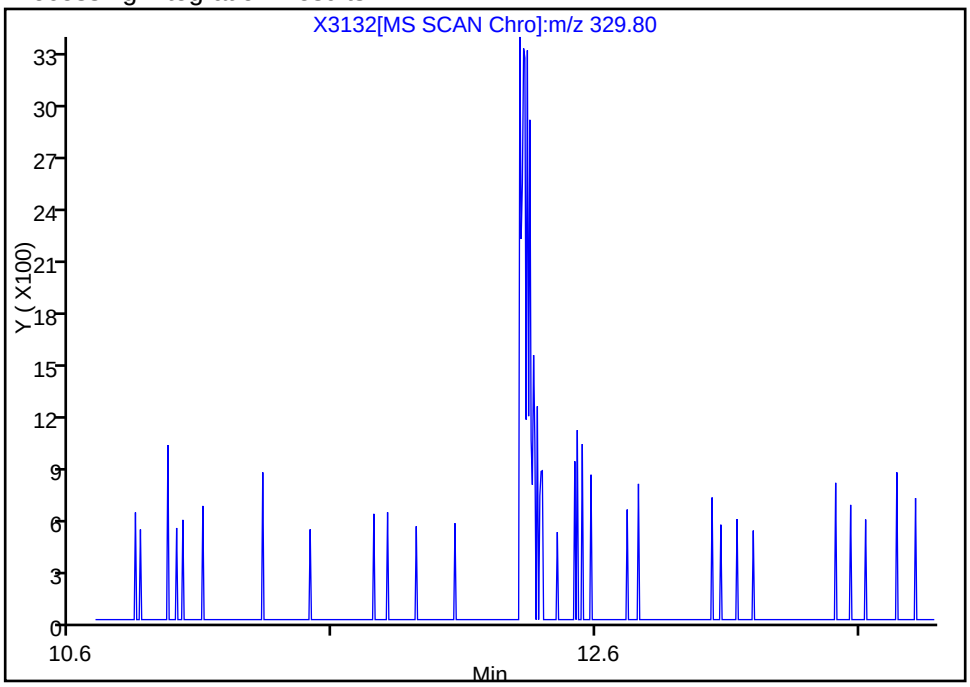
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3132.D		
Injection Date:	18-Dec-2012 11:45:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	3
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

$ 11 2,4,6-Tribromophenol, Signal: 1, m/z: 329.8 Type: quant, RT: 12.29

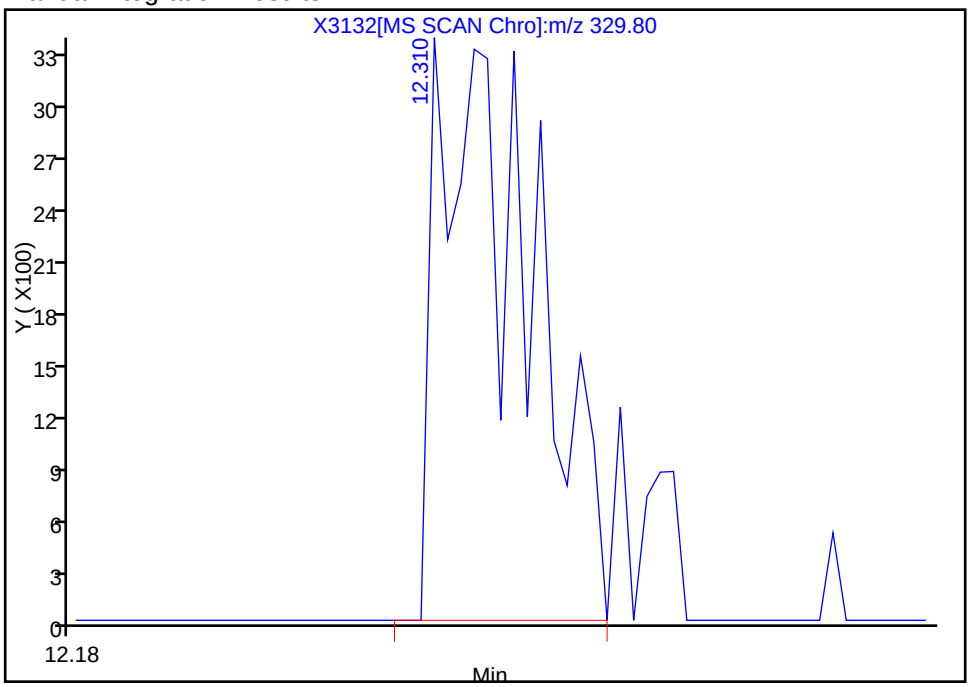
Processing Integration Results

Not Detected
Expected RT: 12.29



Manual Integration Results

RT: 12.31
Response: 7887
Amount: 0.470608



Reviewer: mckernar, 18-Dec-2012 13:05:38
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

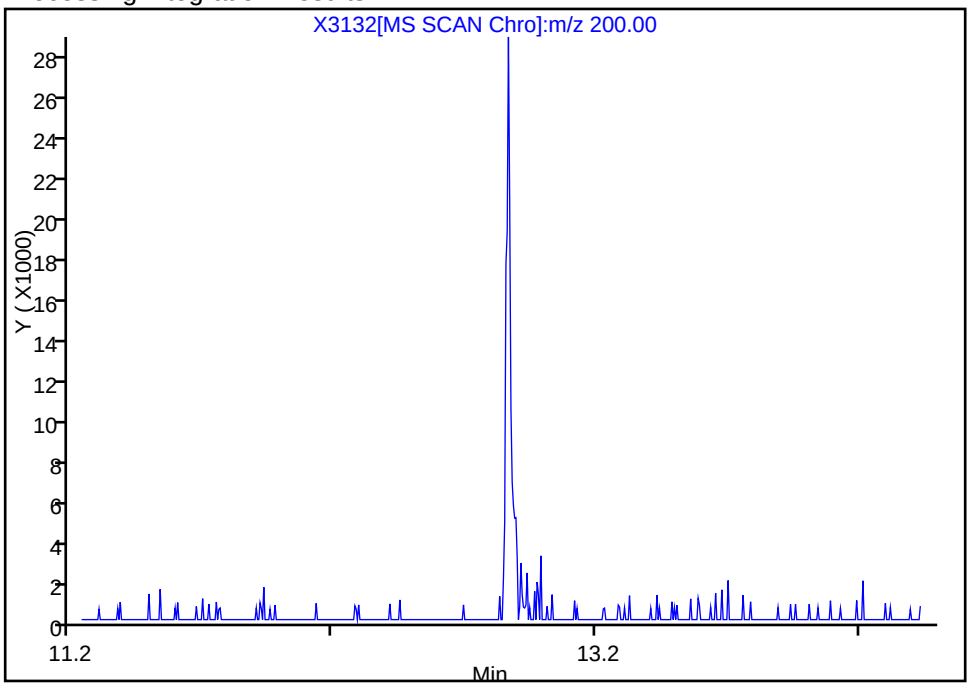
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3132.D		
Injection Date:	18-Dec-2012 11:45:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	3
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

93 Atrazine, Signal: 1, m/z: 200.0 Type: quant, RT: 12.84

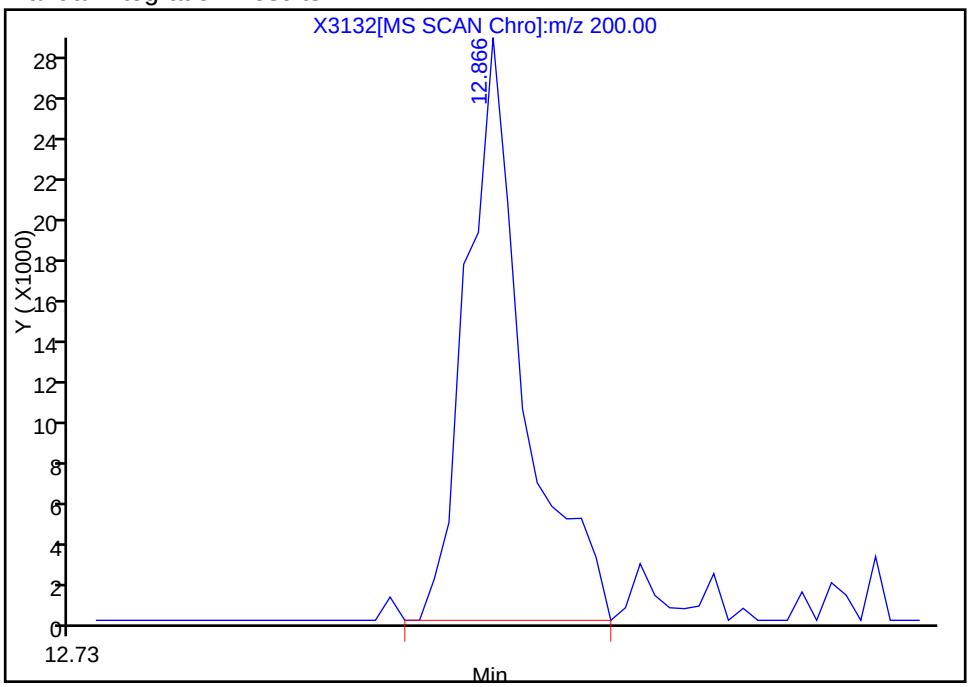
Processing Integration Results

Not Detected
Expected RT: 12.84



Manual Integration Results

RT: 12.87
Response: 36768
Amount: 0.995287



Reviewer: mckernar, 18-Dec-2012 13:05:38
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 18-Dec-2012 16:43:00 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

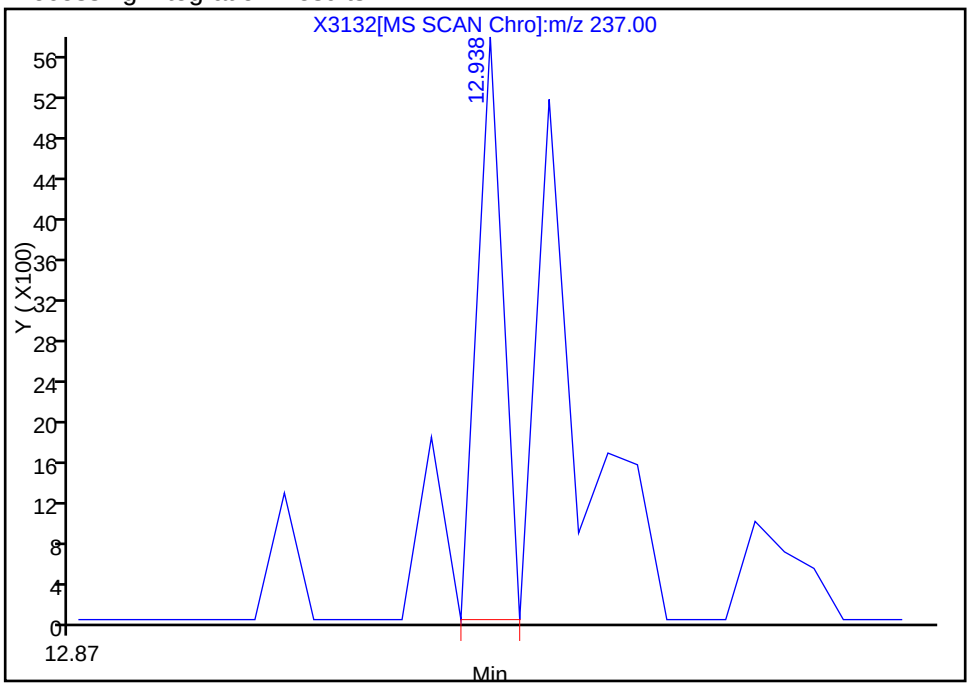
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3132.D		
Injection Date:	18-Dec-2012 11:45:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	3
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

95 Pentachloronitrobenzene, Signal: 1, m/z: 237.0 Type: quant, RT: 12.92

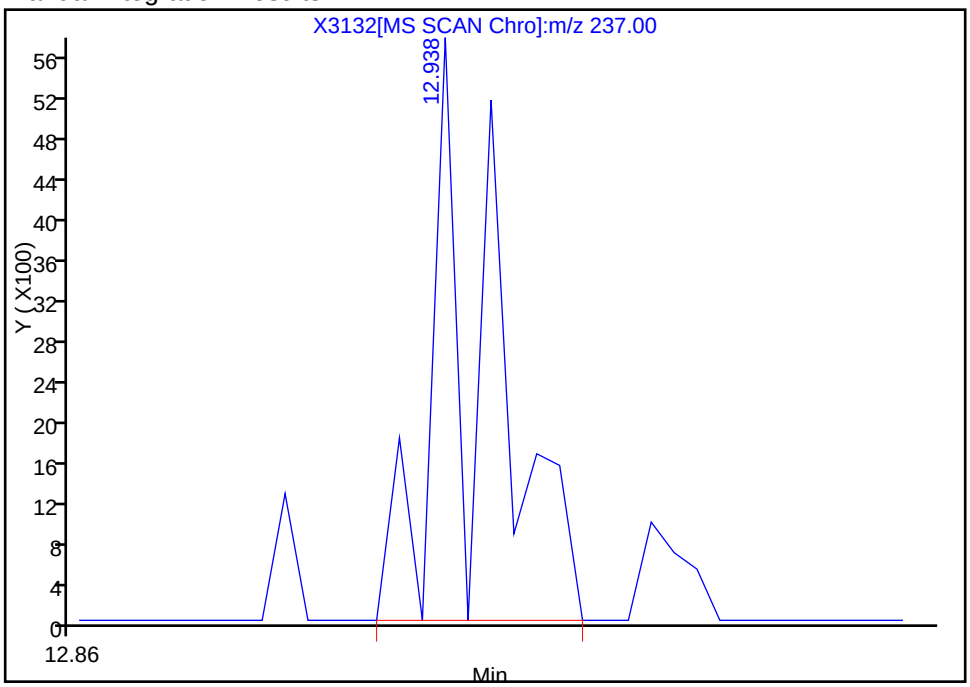
Processing Integration Results

RT: 12.94
Response: 1645
Amount: 0.500000



Manual Integration Results

RT: 12.94
Response: 4787
Amount: 0.604052



Reviewer: mckernar, 18-Dec-2012 13:05:38
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 18-Dec-2012 16:43:00 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

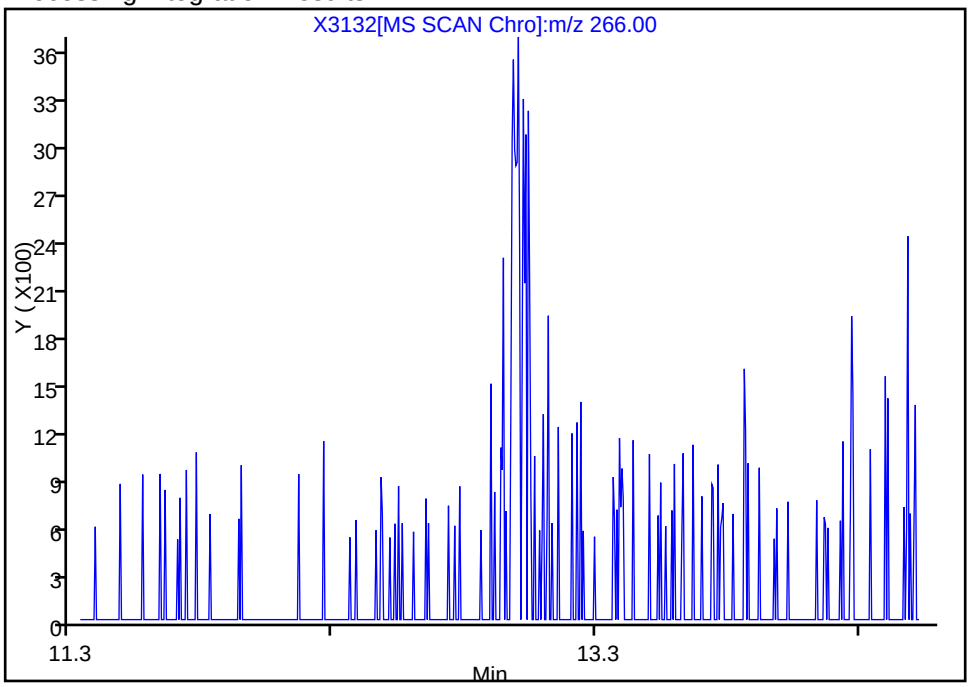
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3132.D		
Injection Date:	18-Dec-2012 11:45:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	3
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

94 Pentachlorophenol, Signal: 1, m/z: 266.0 Type: quant, RT: 12.93

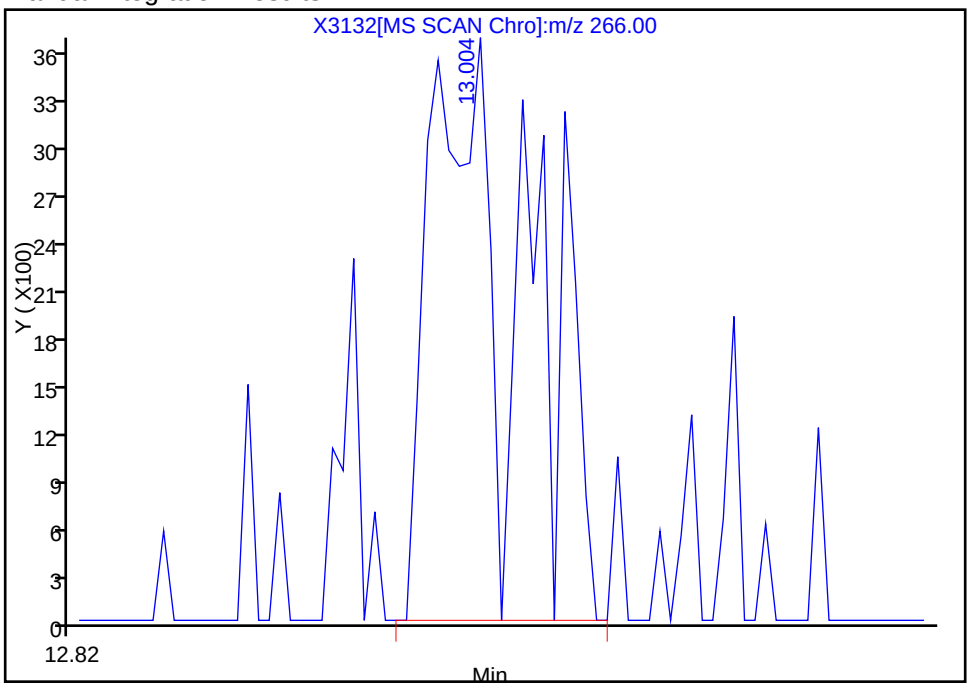
Processing Integration Results

Not Detected
Expected RT: 12.93



Manual Integration Results

RT: 13.00
Response: 11106
Amount: 1.487602



Reviewer: mckernar, 18-Dec-2012 13:05:38
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 18-Dec-2012 16:43:00 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

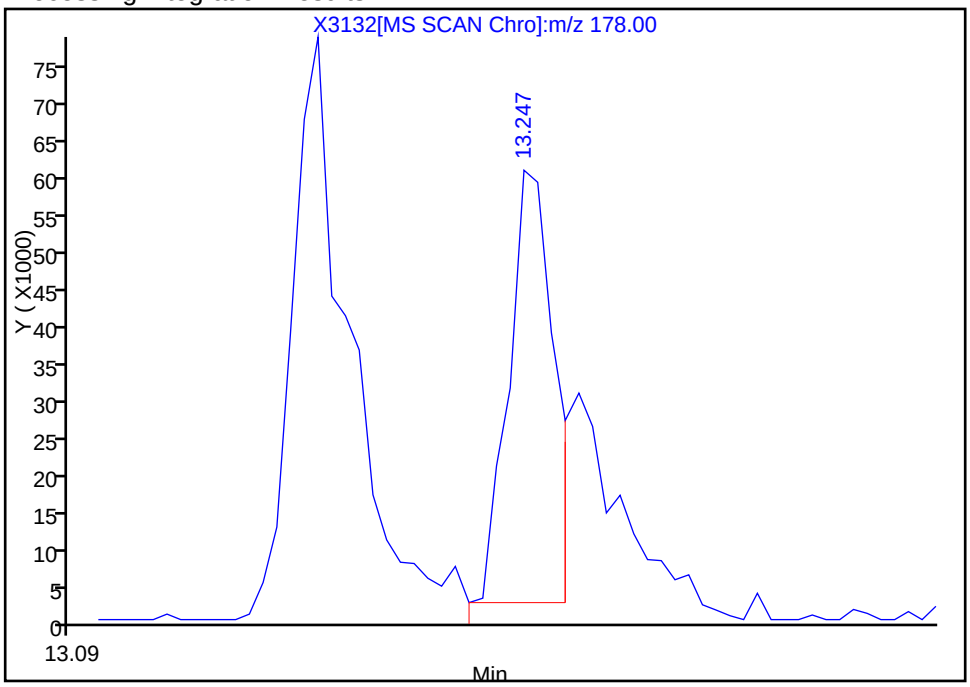
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3132.D		
Injection Date:	18-Dec-2012 11:45:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	3
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

97 Phenanthrene, Signal: 1, m/z: 178.0 Type: quant, RT: 13.16

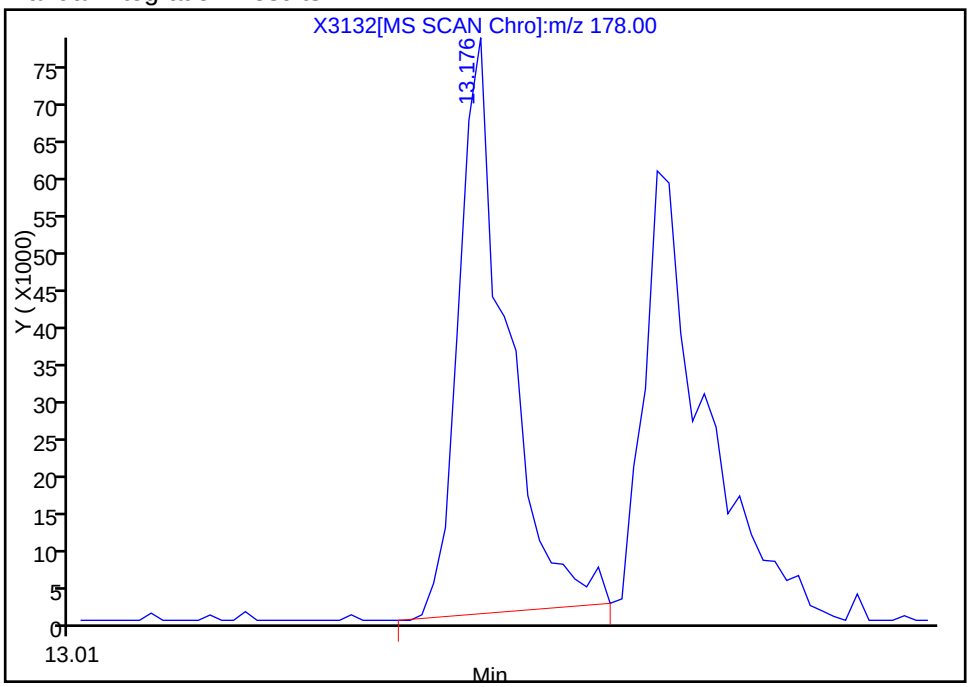
Processing Integration Results

RT: 13.25
Response: 63836
Amount: 0.396592



Manual Integration Results

RT: 13.18
Response: 103962
Amount: 0.511947



Reviewer: mckernar, 18-Dec-2012 13:05:38
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

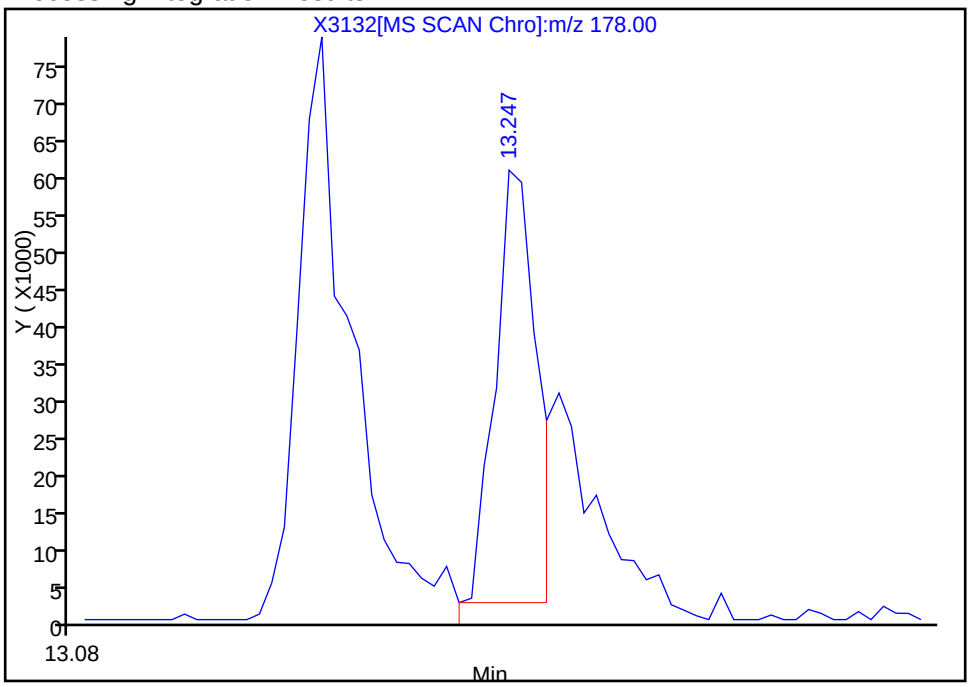
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3132.D		
Injection Date:	18-Dec-2012 11:45:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	3
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

98 Anthracene, Signal: 1, m/z: 178.0 Type: quant, RT: 13.22

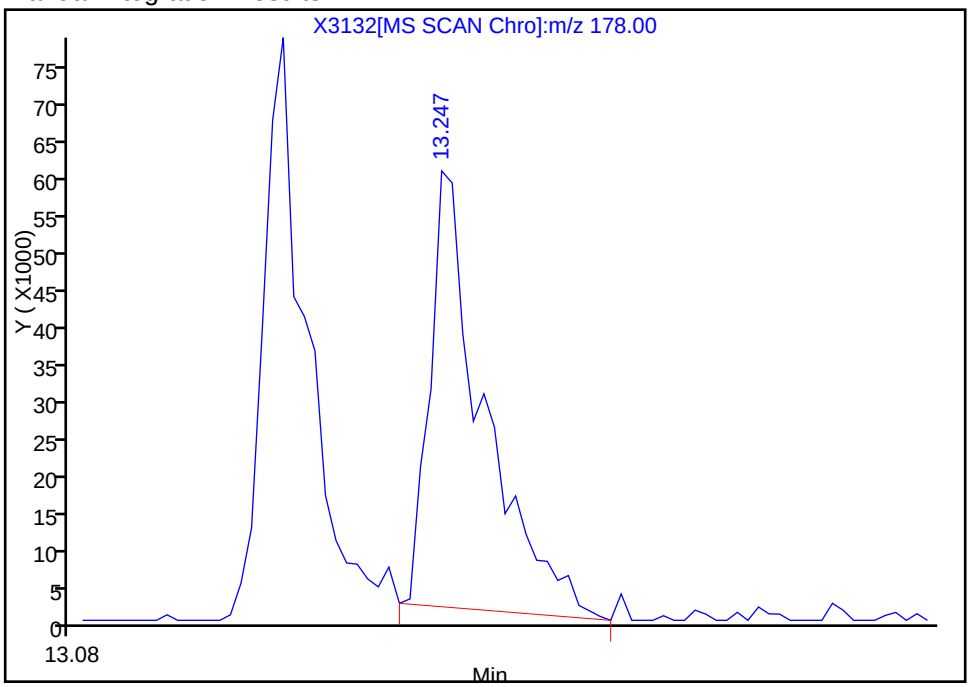
Processing Integration Results

RT: 13.25
Response: 63836
Amount: 0.357667



Manual Integration Results

RT: 13.25
Response: 99410
Amount: 0.480635



Reviewer: mckernar, 18-Dec-2012 13:05:38
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 18-Dec-2012 16:43:00 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

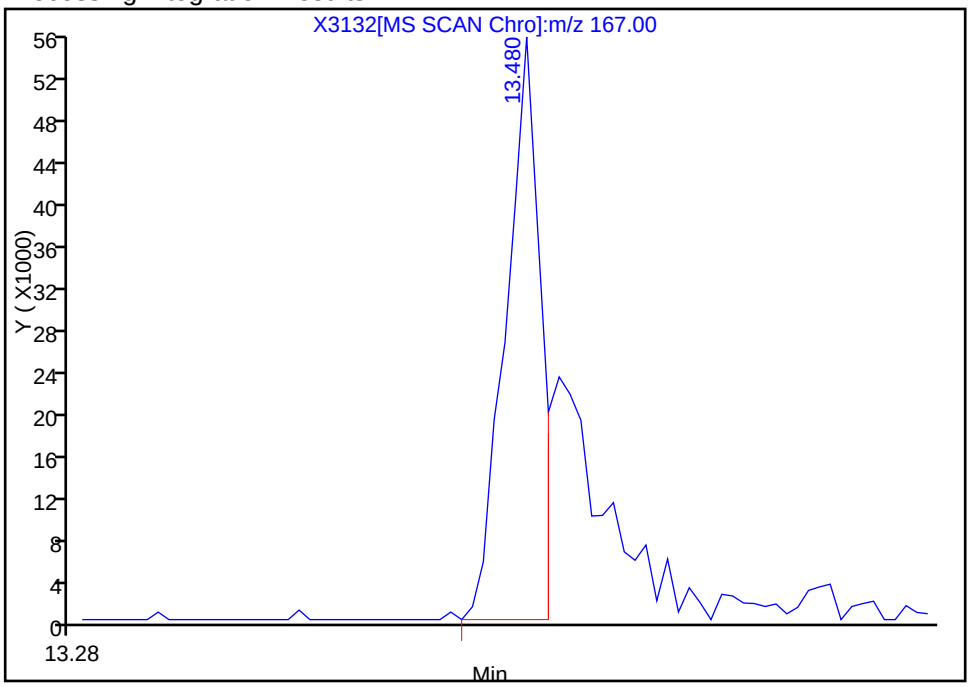
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3132.D		
Injection Date:	18-Dec-2012 11:45:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	3
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

99 Carbazole, Signal: 1, m/z: 167.0 Type: quant, RT: 13.43

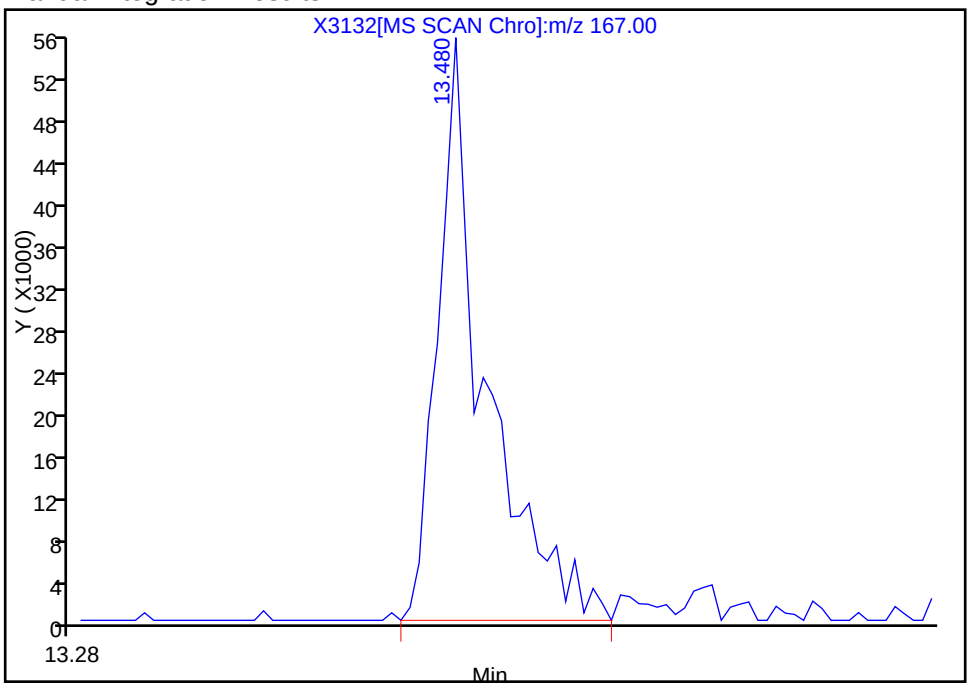
Processing Integration Results

RT: 13.48
Response: 58162
Amount: 0.500000



Manual Integration Results

RT: 13.48
Response: 94048
Amount: 0.490463



Reviewer: mckernar, 18-Dec-2012 13:05:38
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 18-Dec-2012 16:43:00 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

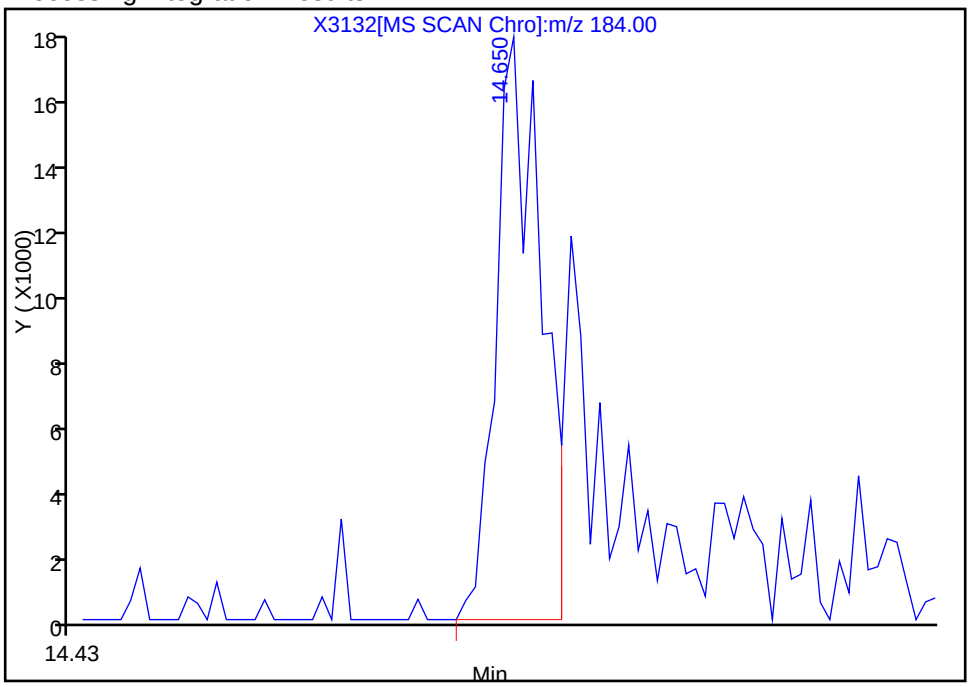
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3132.D		
Injection Date:	18-Dec-2012 11:45:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	3
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

105 Benzidine, Signal: 1, m/z: 184.0 Type: quant, RT: 14.60

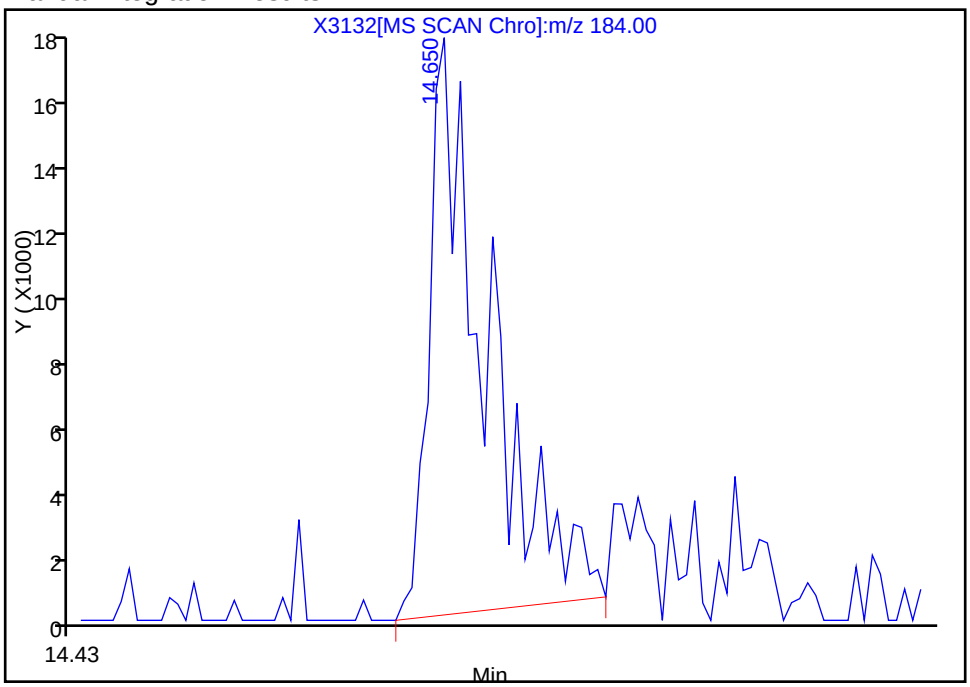
Processing Integration Results

RT: 14.65
Response: 28094
Amount: 0.500000



Manual Integration Results

RT: 14.65
Response: 41270
Amount: 0.455576



Reviewer: mckernar, 18-Dec-2012 13:05:38
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 18-Dec-2012 16:43:00 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

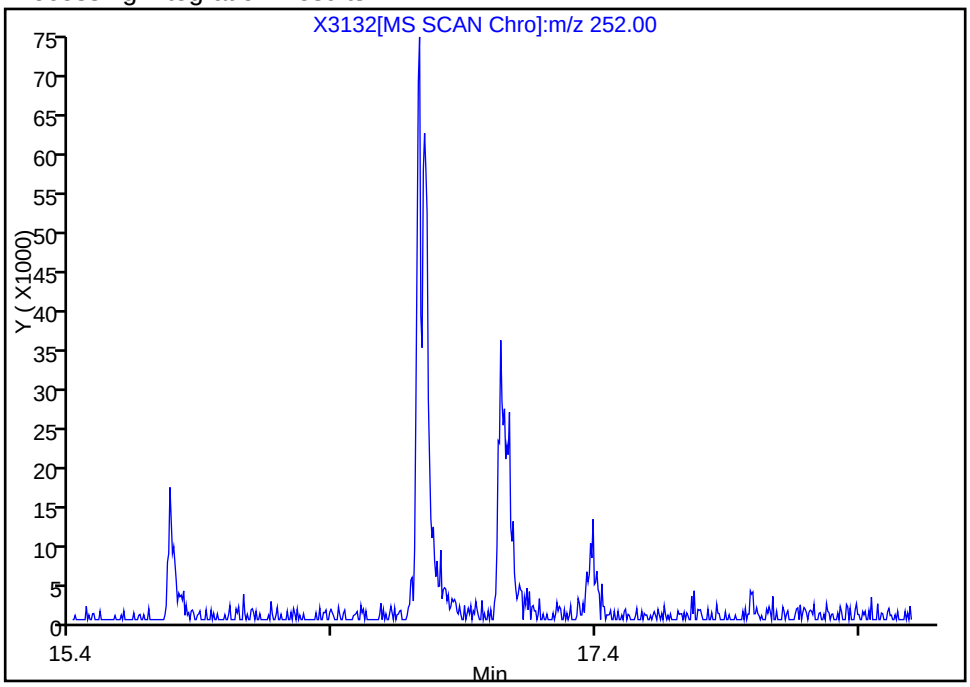
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3132.D		
Injection Date:	18-Dec-2012 11:45:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	3
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

116 Benzo[a]pyrene, Signal: 1, m/z: 252.0 Type: quant, RT: 17.00

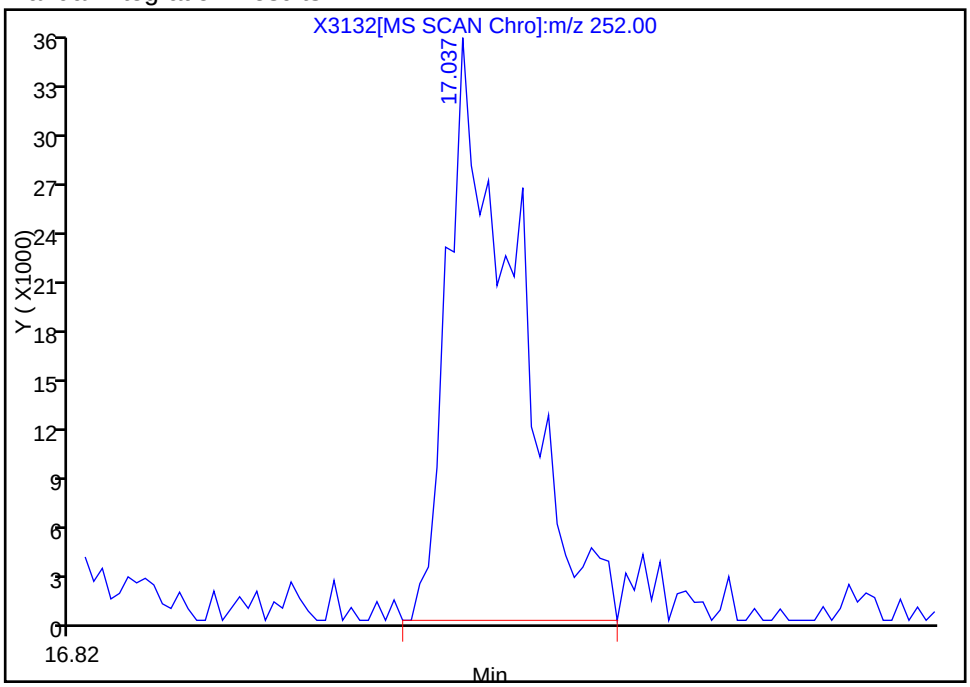
Processing Integration Results

Not Detected
Expected RT: 17.00



Manual Integration Results

RT: 17.04
Response: 93850
Amount: 0.542592



Reviewer: mckernar, 18-Dec-2012 13:05:38
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

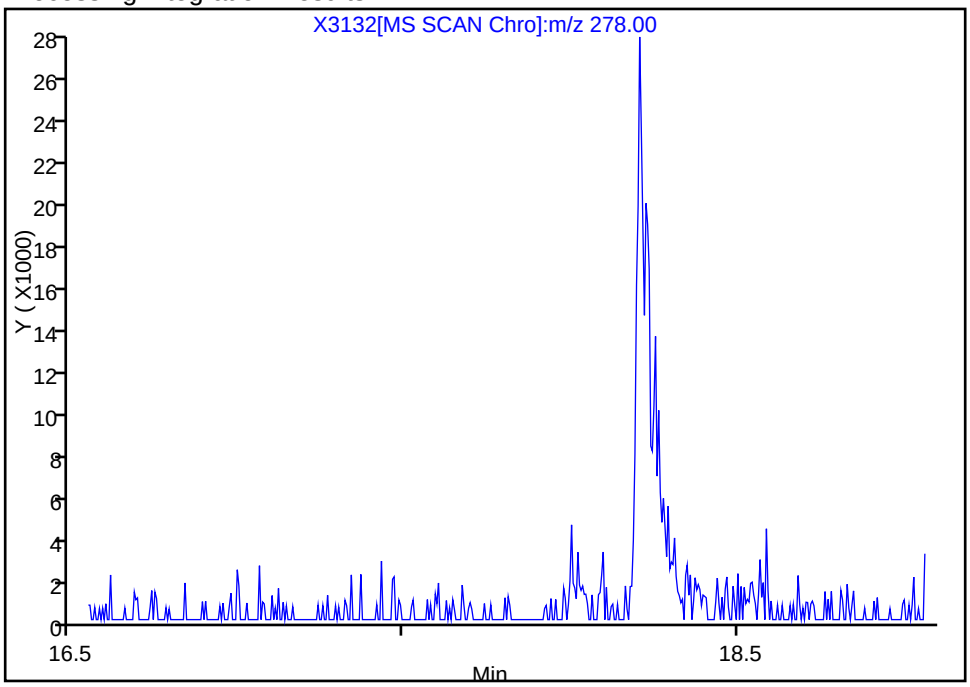
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3132.D		
Injection Date:	18-Dec-2012 11:45:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	3
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

118 Dibenz(a,h)anthracene, Signal: 1, m/z: 278.0 Type: quant, RT: 18.15

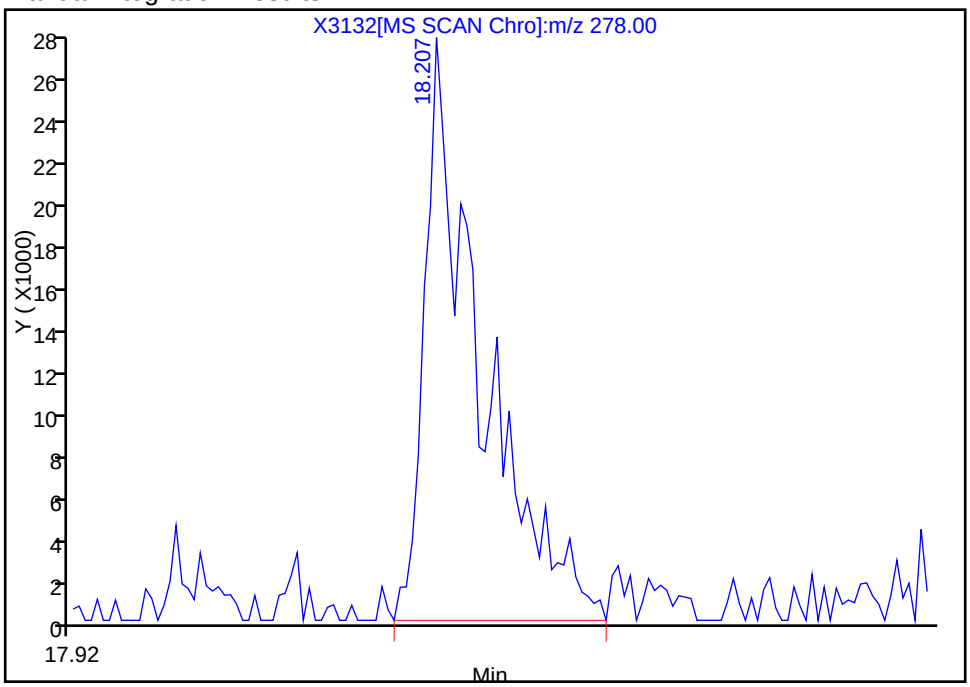
Processing Integration Results

Not Detected
Expected RT: 18.15



Manual Integration Results

RT: 18.21
Response: 83623
Amount: 0.533738



Reviewer: mckernar, 18-Dec-2012 13:05:38
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 18-Dec-2012 16:43:00 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

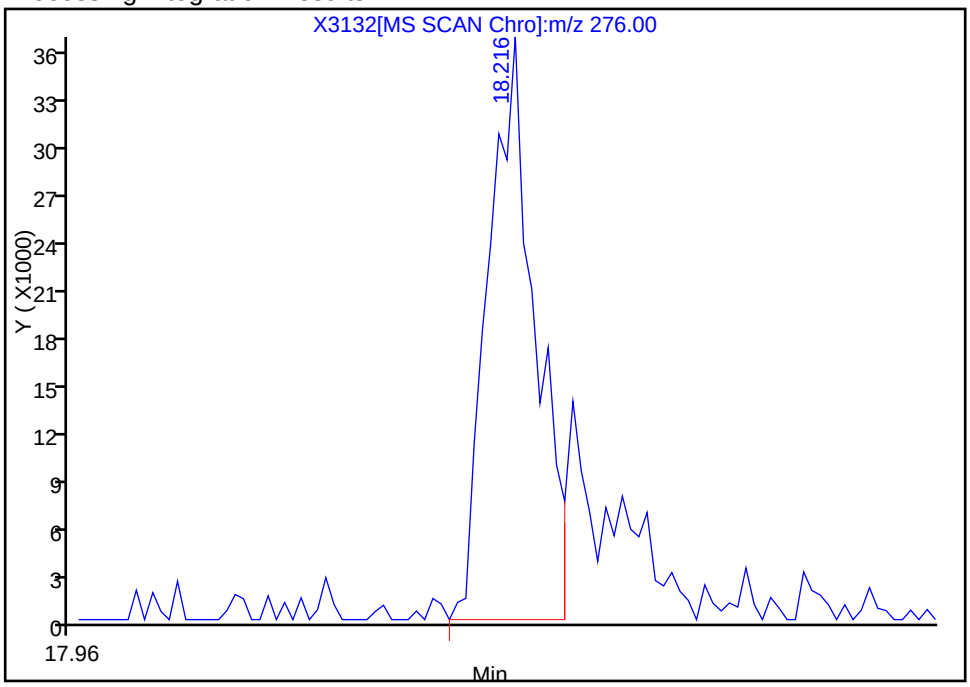
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3132.D		
Injection Date:	18-Dec-2012 11:45:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	3
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

117 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 18.15

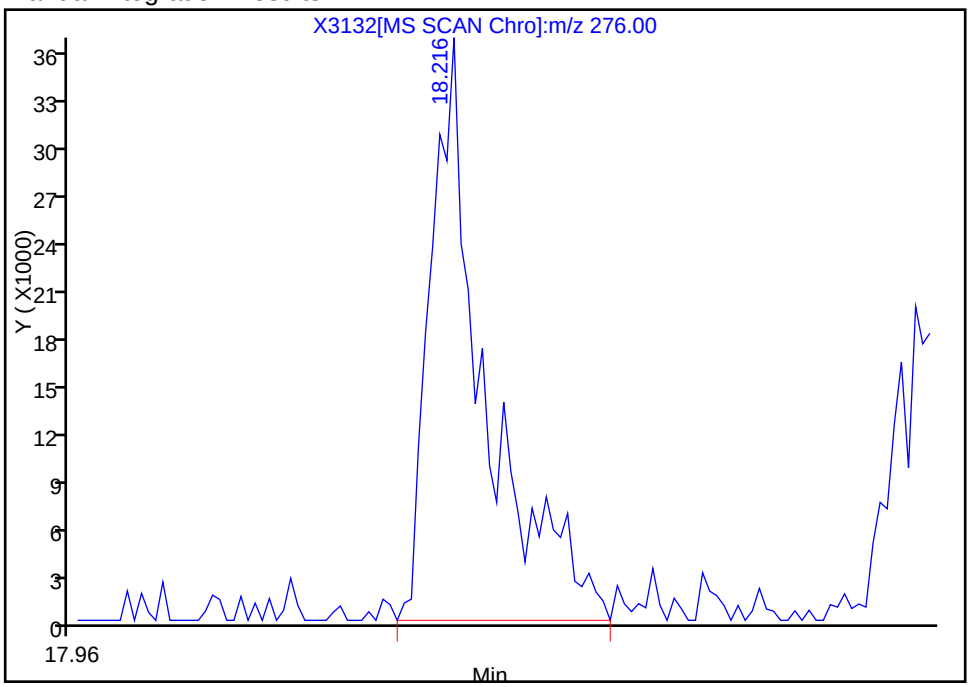
Processing Integration Results

RT: 18.22
Response: 70158
Amount: 0.500000



Manual Integration Results

RT: 18.22
Response: 93718
Amount: 0.507681



Reviewer: mckernar, 18-Dec-2012 13:05:38
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 18-Dec-2012 16:43:00 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

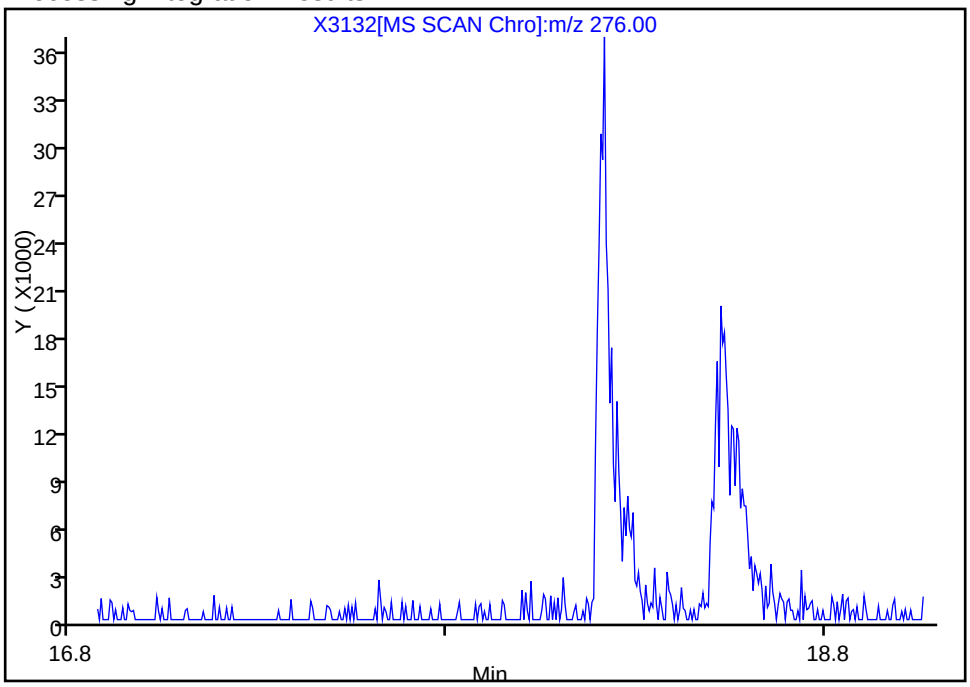
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3132.D		
Injection Date:	18-Dec-2012 11:45:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	3
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

119 Benzo[g,h,i]perylene, Signal: 1, m/z: 276.0 Type: quant, RT: 18.47

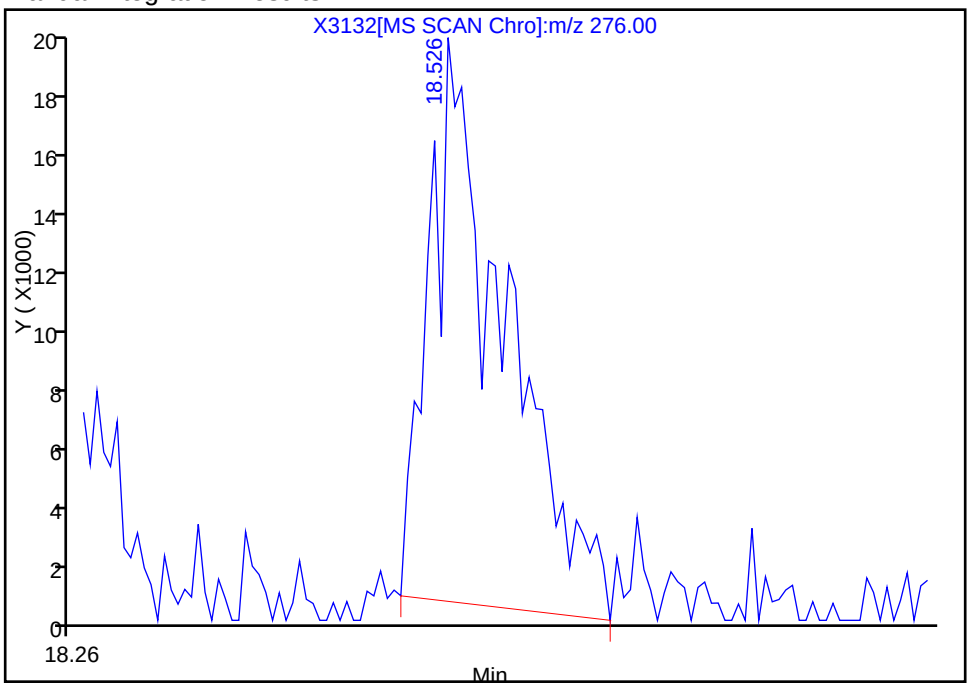
Processing Integration Results

Not Detected
Expected RT: 18.47



Manual Integration Results

RT: 18.53
Response: 71847
Amount: 0.466418



Reviewer: mckernar, 18-Dec-2012 13:05:38
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3133.D
Lims ID: IC - 1.0 Client ID:
Inject. Date: 18-Dec-2012 12:11:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 3
Sample ID: 480-0017654-004
Misc. Info.:
Operator: ANM Instrument ID: HP5973X
Injection Vol: 1.0 ul ALS Bottle#: 5
Lims Batch ID: 96347 Lims Sample ID: 4
Sublist: chrom-X-8270LL*sub20
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973X\20121218-17654.b\X-8270LL.m
Last Update: 18-Dec-2012 16:43:02 Calib Date: 18-Dec-2012 14:44:30
Quant Method: Internal Standard Quant By: Continuing Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3139.D
Limit Group: MB - 8270RCP_MCP ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: RXI-5Sil MS Column Dia: 0.25 mm
Process Host: XAWRK017

First Level Reviewer: mckernar Date: 18-Dec-2012 16:43:02

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.580	6.594	-0.014	84	235486	5.00	
* 2 Naphthalene-d8	136	8.467	8.486	-0.019	98	842989	5.00	
* 3 Acenaphthene-d10	164	11.112	11.116	-0.004	88	524288	5.00	
* 4 Phenanthrene-d10	188	13.128	13.128	0.0	96	956639	5.00	
* 5 Chrysene-d12	240	15.767	15.767	0.0	97	825243	5.00	
* 6 Perylene-d12	264	17.047	17.051	-0.004	95	830996	5.00	
$ 7 2-Fluorophenol	112	4.687	4.701	-0.014	0	51938	0.9719	M
$ 8 Phenol-d5	99	6.118	6.118	0.0	78	67367	1.04	M
$ 9 Nitrobenzene-d5	82	7.416	7.435	-0.019	64	57504	0.9098	
$ 10 2-Fluorobiphenyl	172	10.127	10.127	0.0	86	131707	1.00	
$ 11 2,4,6-Tribromophenol	330	12.300	12.291	0.009	0	15302	0.8695	M
$ 12 p-Terphenyl-d14	244	14.807	14.802	0.005	90	141897	0.8918	
18 1,4-Dioxane	88	2.461	2.466	-0.005	51	25494	0.9192	M
19 N-Nitrosodimethylamine	42	2.818	2.813	0.005	56	41753	0.9705	M
20 Pyridine	52	2.908	2.908	0.0	1	30554	0.6994	M
21 Benzaldehyde	77	5.952	5.961	-0.009	80	47929	1.04	M
23 Aniline	93	6.113	6.128	-0.015	87	77634	0.9004	
22 Phenol	94	6.142	6.142	0.0	0	63116	0.8799	M
24 Bis(2-chloroethyl)ether	93	6.213	6.223	-0.010	86	53034	0.9391	
25 2-Chlorophenol	128	6.289	6.294	-0.005	81	55968	0.9178	M
26 1,3-Dichlorobenzene	146	6.494	6.503	-0.009	90	67570	0.8934	
27 1,4-Dichlorobenzene	146	6.603	6.622	-0.019	60	71304	0.9438	
29 1,2-Dichlorobenzene	146	6.822	6.841	-0.019	79	62406	0.8859	
28 Benzyl alcohol	108	6.889	6.846	0.043	20	14091	0.7958	M
32 2,2'-oxybis[1-chloropropane]	45	7.017	7.022	-0.005	67	88085	0.9595	M
31 2-Methylphenol	108	7.022	7.031	-0.009	40	45407	0.8871	M
33 Acetophenone	105	7.207	7.212	-0.005	76	79952	0.9155	M
34 N-Nitrosodi-n-propylamine	70	7.207	7.217	-0.010	77	35043	0.7989	
36 4-Methylphenol	108	7.312	7.288	0.024	0	57517	1.11	M

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
37 Hexachloroethane	117	7.307	7.331	-0.024	79	26747	0.8385	
38 Nitrobenzene	77	7.455	7.464	-0.009	75	55225	0.8417	
40 Isophorone	82	7.806	7.821	-0.015	71	90545	0.8391	
41 2-Nitrophenol	139	7.930	7.939	-0.009	56	27016	0.9049	M
43 2,4-Dimethylphenol	107	8.063	8.058	0.005	0	56555	1.00	M
45 Bis(2-chloroethoxy)methane	93	8.182	8.177	0.005	75	68136	1.07	M
44 Benzoic acid	105		8.268					
47 2,4-Dichlorophenol	162	8.382	8.358	0.024	0	41301	0.9012	M
48 1,2,4-Trichlorobenzene	180	8.396	8.410	-0.014	87	52870	0.9385	
49 Naphthalene	128	8.501	8.520	-0.019	80	198868	1.06	
51 4-Chloroaniline	127	8.672	8.662	0.010	71	48018	0.7107	
52 Hexachlorobutadiene	225	8.696	8.710	-0.014	71	29942	0.9727	
54 Caprolactam	113	9.276	9.209	0.067	42	13444	0.8060	M
55 4-Chloro-3-methylphenol	107	9.518	9.466	0.052	1	41948	0.8285	M
56 2-Methylnaphthalene	142	9.561	9.566	-0.005	69	135097	1.03	
57 1-Methylnaphthalene	142	9.699	9.709	-0.010	86	129919	1.08	
58 Hexachlorocyclopentadiene	237	9.785	9.794	-0.009	8	6833	0.4089	
59 1,2,4,5-Tetrachlorobenzene	216	9.818	9.818	0.0	78	51072	1.04	
60 2,4,6-Trichlorophenol	196	10.070	10.037	0.033	49	27547	0.9099	M
61 2,4,5-Trichlorophenol	196	10.208	10.146	0.062	1	23950	0.8178	M
62 1,1'-Biphenyl	154	10.270	10.274	-0.004	92	147932	0.9759	
63 2-Chloronaphthalene	162	10.317	10.317	0.0	84	165356	0.9202	M
64 Phenyl ether	170	10.441	10.436	0.005	88	78549	0.9529	
65 2-Nitroaniline	65	10.546	10.512	0.034	55	24342	0.7010	M
66 1,4-Dinitrobenzene	75	10.779	10.755	0.024	36	23696	0	M
67 Dimethyl phthalate	163	10.783	10.779	0.004	84	131233	0.9673	
68 2,6-Dinitrotoluene	165	10.879	10.864	0.015	82	60374	0.9816	
69 Acenaphthylene	152	10.902	10.907	-0.005	81	189943	1.04	
70 3-Nitroaniline	138	11.216	11.159	0.057	1	21070	0.6898	M
71 Acenaphthene	153	11.164	11.169	-0.005	83	124892	0.9780	
72 2,4-Dinitrophenol	184	11.383	11.349	0.034	0	7990	0.8823	M
73 Dibenzofuran	168	11.444	11.440	0.004	96	158117	1.02	
74 2,4-Dinitrotoluene	165	11.516	11.492	0.024	1	40061	1.02	M
75 4-Nitrophenol	109	11.687	11.611	0.076	1	35867	1.37	M
76 2,3,4,6-Tetrachlorophenol	232	11.687	11.668	0.019	37	25922	1.10	M
78 Diethyl phthalate	149	11.830	11.825	0.005	89	157267	1.06	M
79 Fluorene	166	11.944	11.934	0.010	82	142510	1.00	
80 4-Chlorophenyl phenyl ether	204	11.963	11.953	0.010	77	67135	1.06	
81 4-Nitroaniline	138	12.120	12.067	0.053	43	28981	1.23	M
82 4,6-Dinitro-2-methylphenol	198	12.105	12.082	0.023	47	21166	1.87	M
84 Diphenylamine	169	12.134	12.124	0.010	95	224688	1.01	
83 N-Nitrosodiphenylamine	169	12.134	12.124	0.010	95	224688	1.01	
16 1,2-Diphenylhydrazine	77	12.177	12.167	0.010	96	109056	0.7584	
85 Azobenzene	77	12.177	12.167	0.010	97	109056	0.7600	
86 Benzophenone	105	12.196	12.191	0.005	94	116350	0.9332	
89 4-Bromophenyl phenyl ether	248	12.600	12.595	0.005	73	31913	0.8900	
91 Hexachlorobenzene	284	12.662	12.652	0.010	61	33846	0.9560	
92 Simazine	201	12.814	12.809	0.005	68	10972	0	
93 Atrazine	200	12.838	12.838	0.0	77	75813	1.92	
95 Pentachloronitrobenzene	237	12.928	12.923	0.005	8	11461	0.9091	
94 Pentachlorophenol	266	12.961	12.933	0.028	1	11624	1.49	
97 Phenanthrene	178	13.156	13.156	0.0	80	220154	1.03	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
98 Anthracene	178	13.223	13.218	0.005	90	217098	1.00	
99 Carbazole	167	13.442	13.427	0.015	96	190469	0.9459	M
101 Alachlor	160	13.565	13.565	0.0	82	36999	0	
102 Di-n-butyl phthalate	149	13.808	13.803	0.005	93	236333	1.01	
104 Fluoranthene	202	14.440	14.431	0.009	92	215639	1.02	
105 Benzidine	184	14.621	14.597	0.024	73	107316	1.18	M
106 Pyrene	202	14.659	14.654	0.005	97	228073	1.03	
107 Famphur	218	15.206	15.201	0.005	65	71908	0	
108 Butyl benzyl phthalate	149	15.244	15.244	0.0	86	114162	0.9336	
110 Bis(2-ethylhexyl) phthalate	149	15.739	15.734	0.005	94	160627	0.9542	
109 3,3'-Dichlorobenzidine	252	15.753	15.743	0.010	8	68680	0.9263	
111 Benzo[a]anthracene	228	15.763	15.753	0.010	57	161424	0.9080	
112 Chrysene	228	15.791	15.791	0.0	76	252184	1.25	
113 Di-n-octyl phthalate	149	16.276	16.271	0.005	96	281150	1.06	
114 Benzo[b]fluoranthene	252	16.704	16.695	0.010	77	174956	0.9066	
115 Benzo[k]fluoranthene	252	16.723	16.718	0.005	77	177253	0.8914	
116 Benzo[a]pyrene	252	17.008	17.004	0.004	0	174699	0.9362	M
118 Dibenz(a,h)anthracene	278	18.140	18.150	-0.010	0	129231	0.7645	M
117 Indeno[1,2,3-cd]pyrene	276	18.136	18.150	-0.014	91	167625	0.8416	M
119 Benzo[g,h,i]perylene	276	18.459	18.468	-0.009	72	168957	1.02	M
S 121 3-Methylphenol	1		0.000					

QC Flag Legend

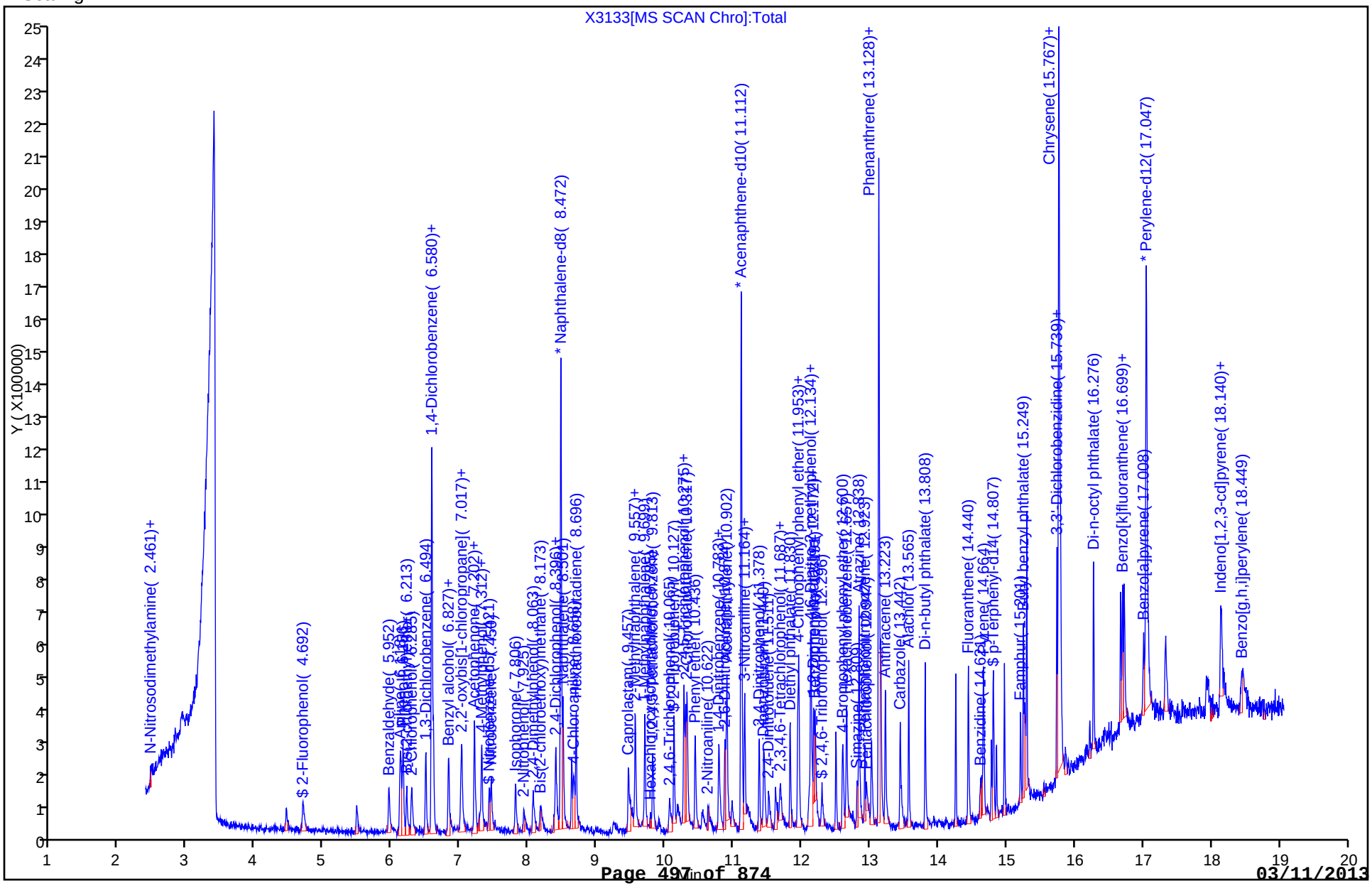
Review Flags
M - Manually Integrated

Report Date: 18-Dec-2012 16:43:03 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3133.D		
Injection Date:	18-Dec-2012 12:11:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	4
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:



Report Date: 18-Dec-2012 16:43:03 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

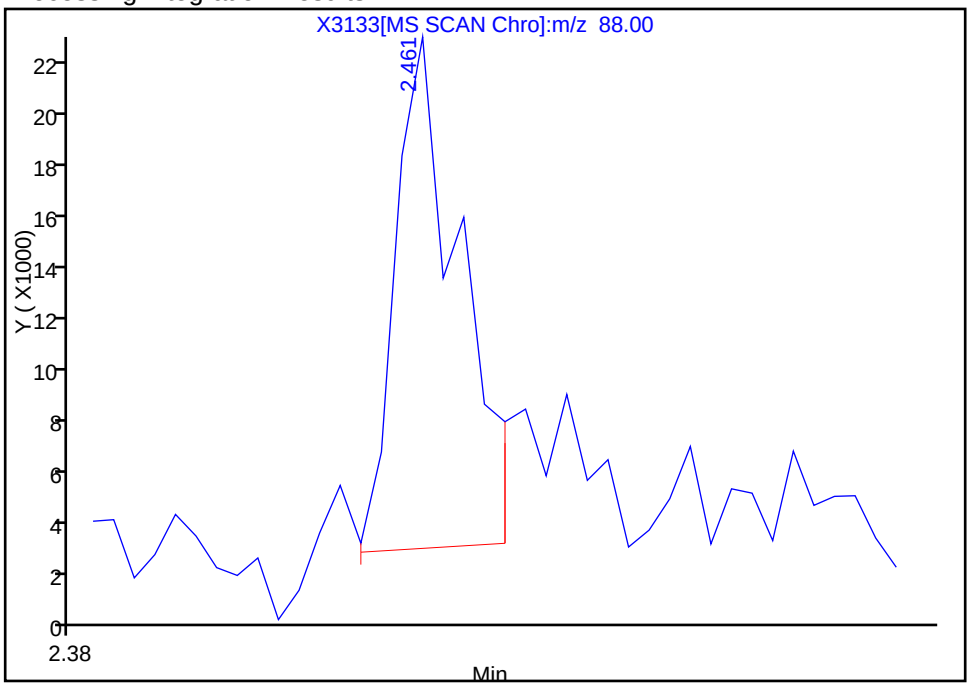
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3133.D		
Injection Date:	18-Dec-2012 12:11:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	4
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

18 1,4-Dioxane, Signal: 1, m/z: 88.0 Type: quant, RT: 2.47

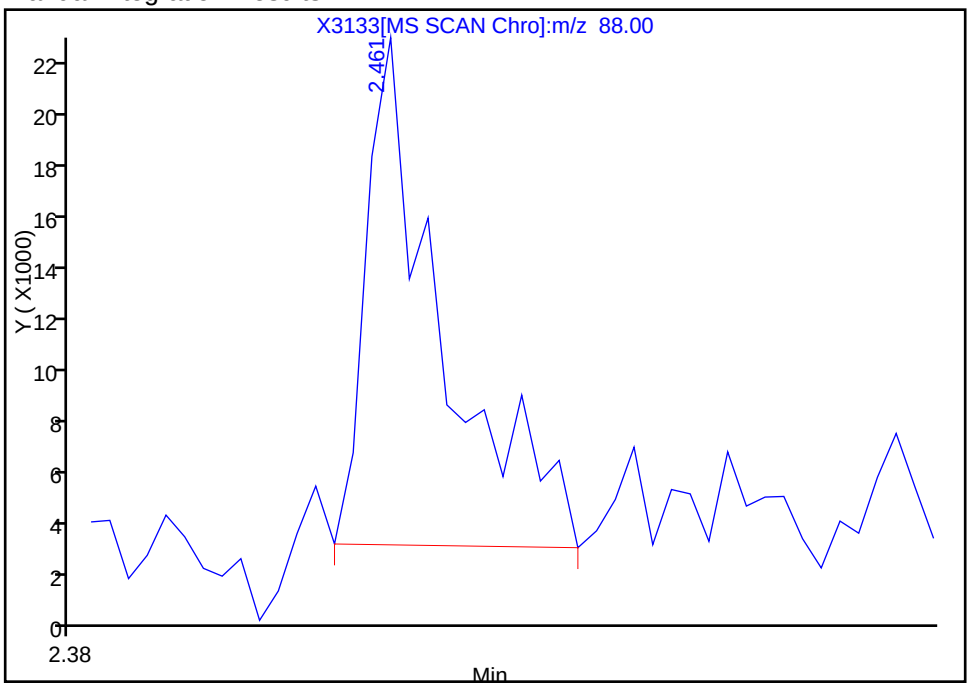
Processing Integration Results

RT: 2.46
Response: 20259
Amount: 0.528604



Manual Integration Results

RT: 2.46
Response: 25494
Amount: 0.919214



Reviewer: mckernar, 18-Dec-2012 13:05:29
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

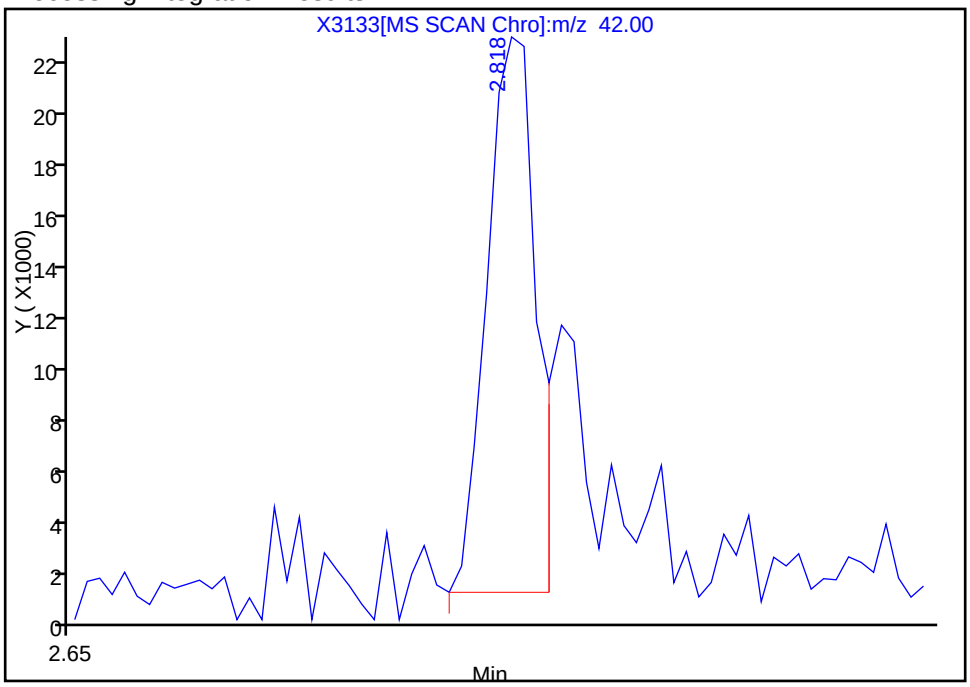
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3133.D		
Injection Date:	18-Dec-2012 12:11:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	4
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

19 N-Nitrosodimethylamine, Signal: 1, m/z: 42.0 Type: quant, RT: 2.81

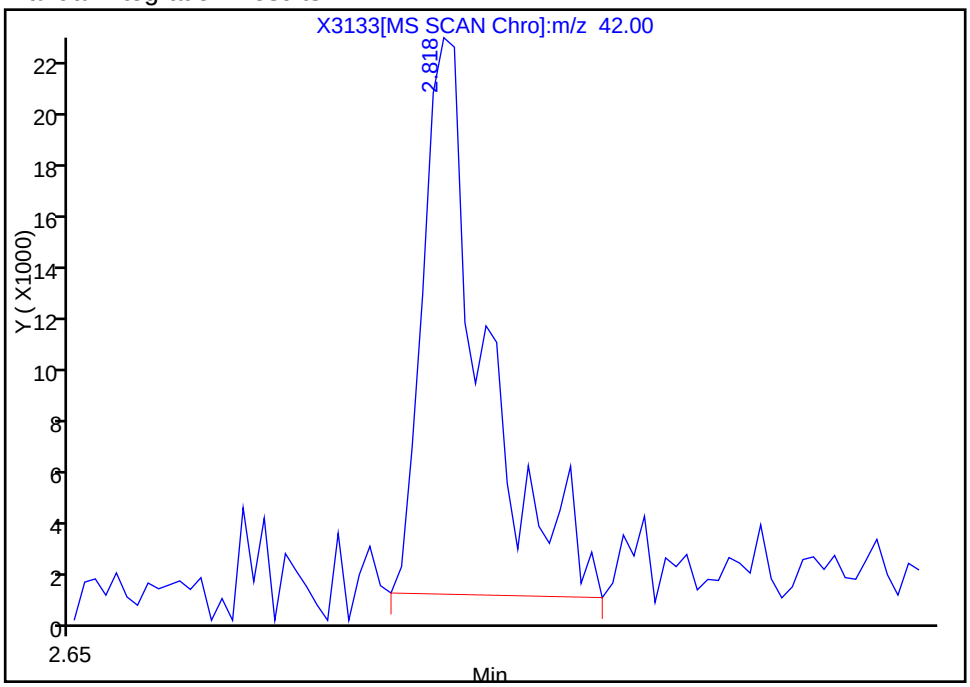
Processing Integration Results

RT: 2.82
Response: 28260
Amount: 0.763362



Manual Integration Results

RT: 2.82
Response: 41753
Amount: 0.970488



Reviewer: mckernar, 18-Dec-2012 13:05:29
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Audit Reason: Assign Peak

Report Date: 18-Dec-2012 16:43:03 Chrom Revision: 2.0 22-Oct-2012 16:30:48

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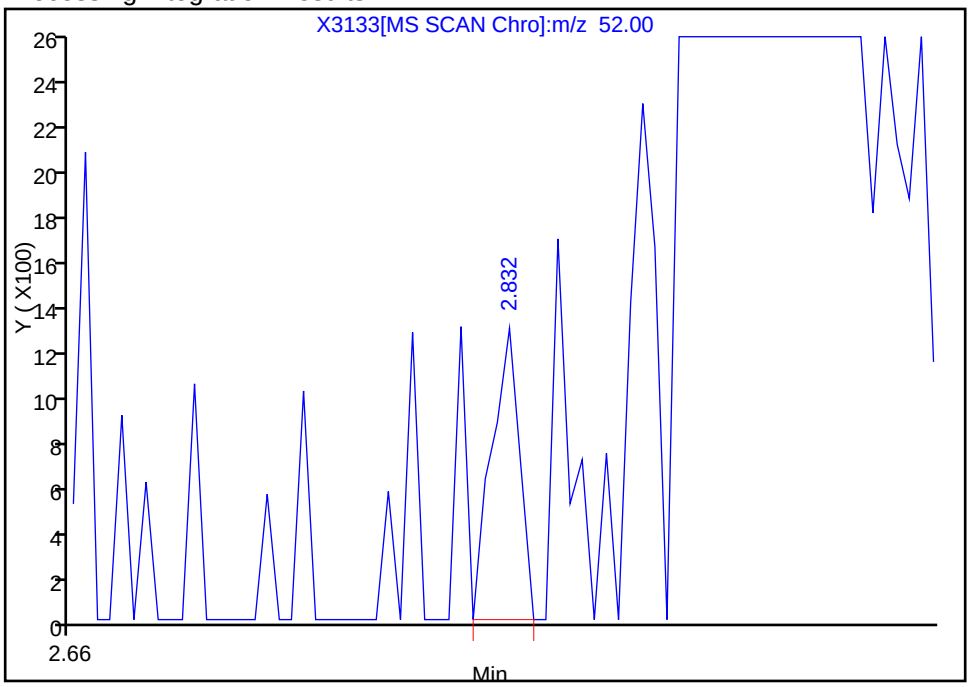
Injection Date:	18-Dec-2012 12:11:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	4
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

20 Pyridine, Signal: 1, m/z: 52.0 Type: quant, RT: 2.91

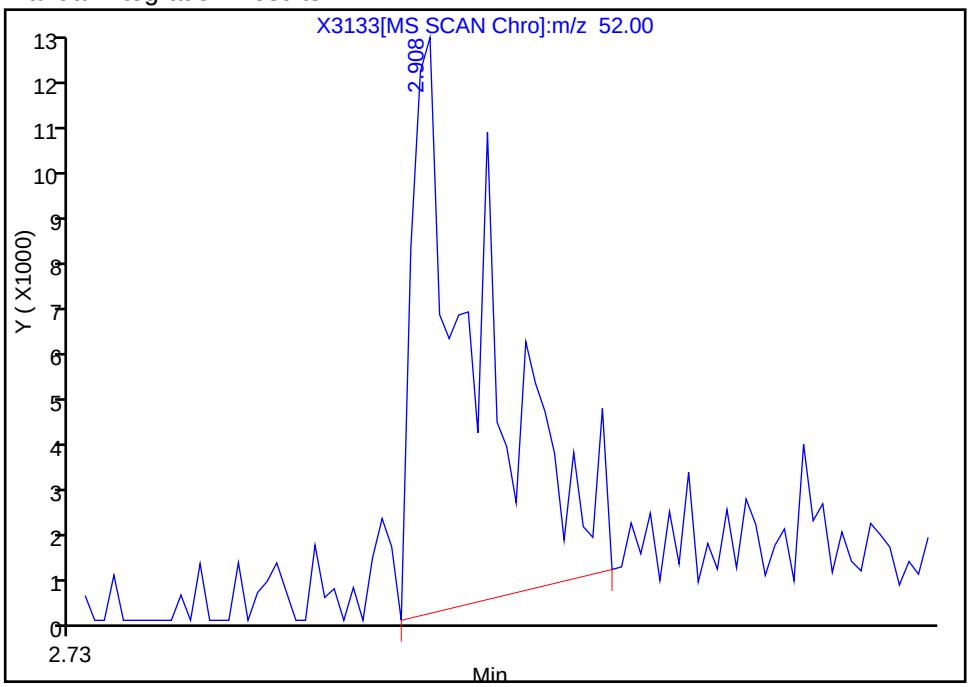
Processing Integration Results

RT: 2.83
Response: 959
Amount: 0.042936



Manual Integration Results

RT: 2.91
Response: 30554
Amount: 0.699412



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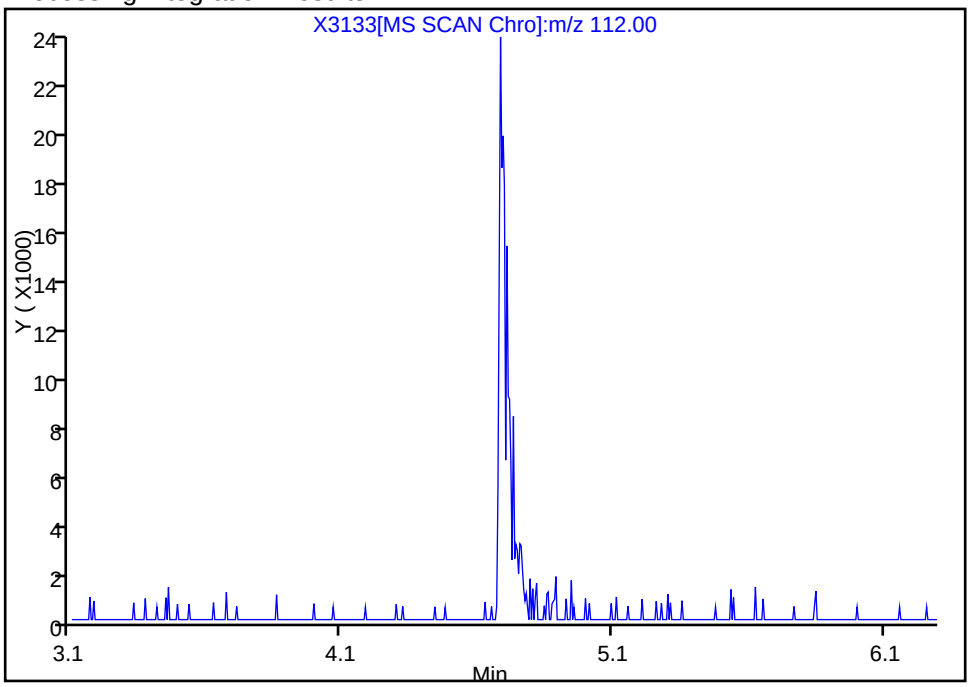
Injection Date:	18-Dec-2012 12:11:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	4
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

$ 7 2-Fluorophenol, Signal: 1, m/z: 112.0 Type: quant, RT: 4.70

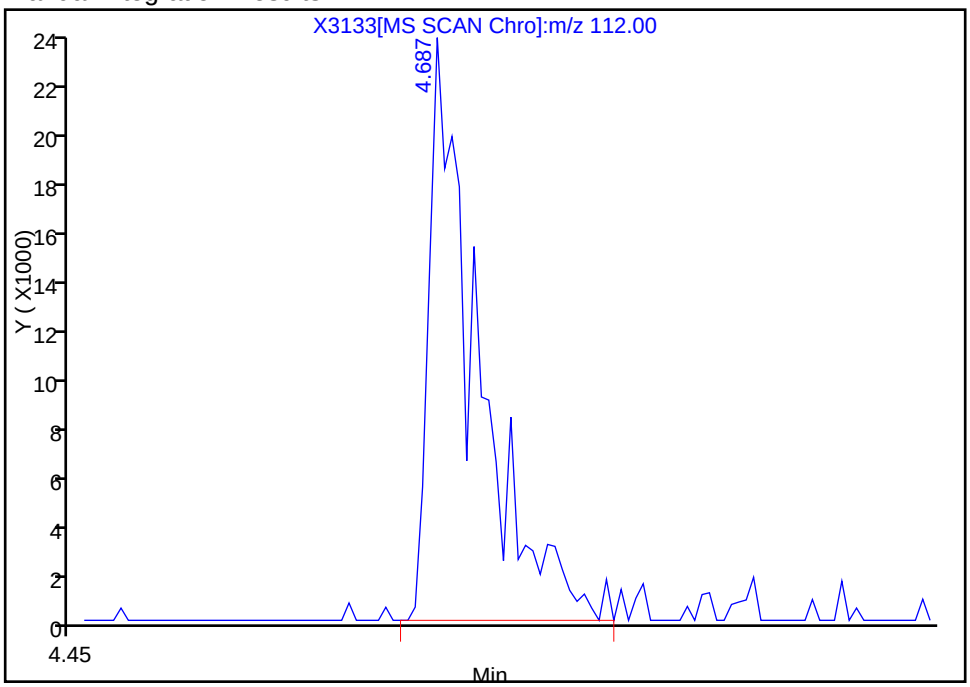
Processing Integration Results

Not Detected
Expected RT: 4.70



Manual Integration Results

RT: 4.69
Response: 51938
Amount: 0.971909



Reviewer: mckernar, 18-Dec-2012 13:05:29
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

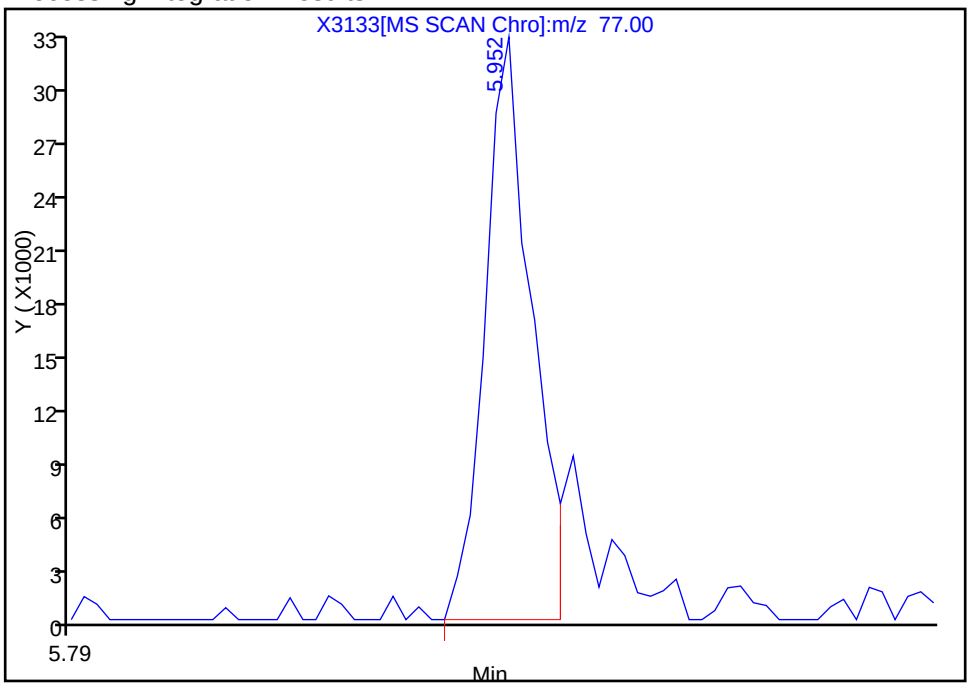
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3133.D		
Injection Date:	18-Dec-2012 12:11:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	4
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

21 Benzaldehyde, Signal: 1, m/z: 77.0 Type: quant, RT: 5.96

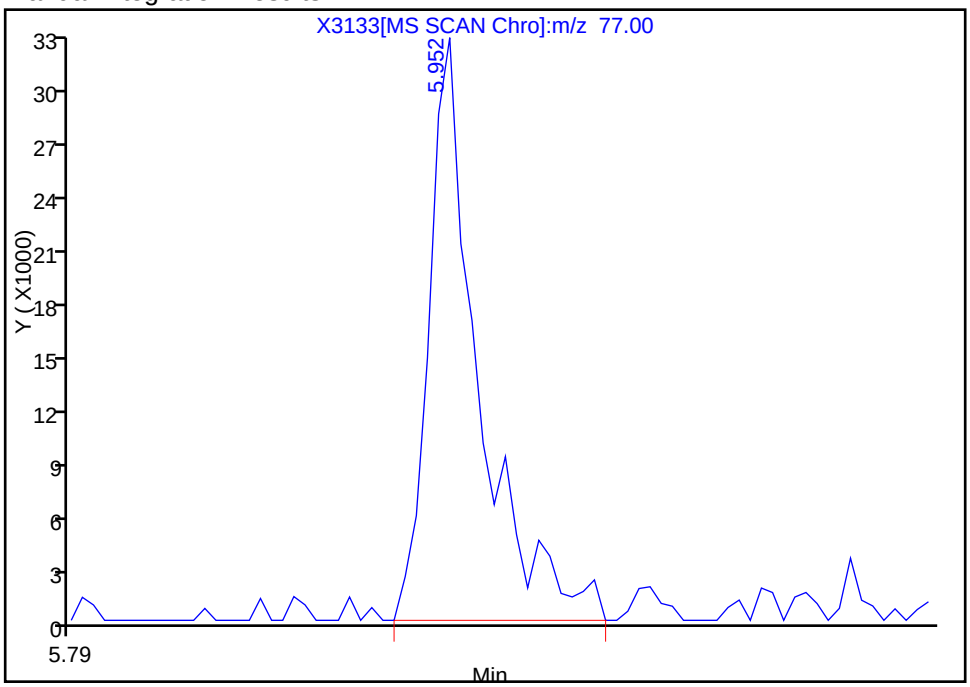
Processing Integration Results

RT: 5.95
Response: 39252
Amount: 0.991743



Manual Integration Results

RT: 5.95
Response: 47929
Amount: 1.038399



Reviewer: mckernar, 18-Dec-2012 13:05:29
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 18-Dec-2012 16:43:03 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

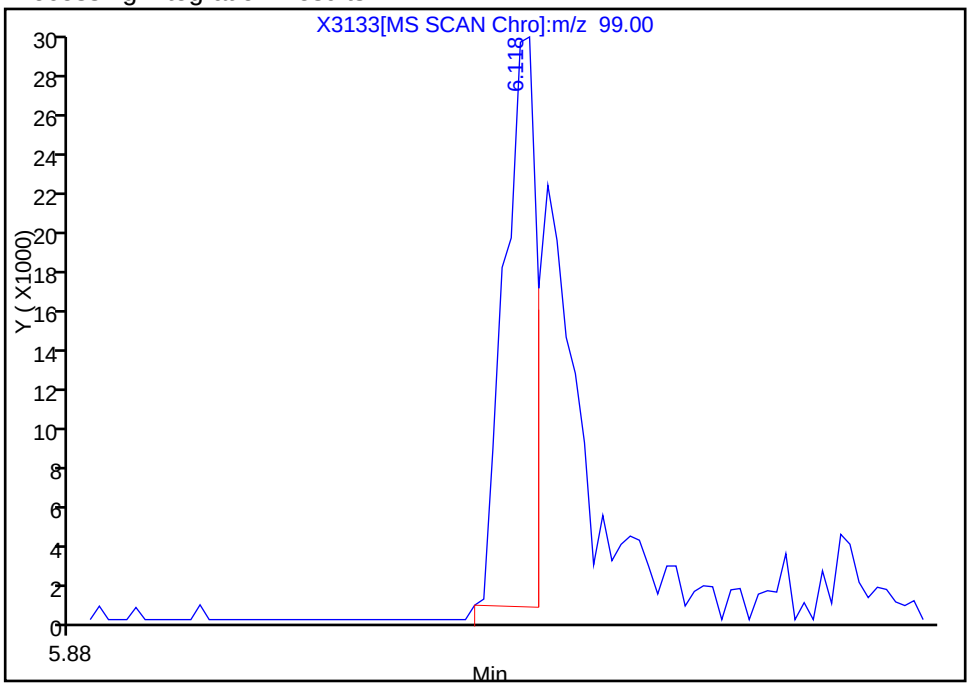
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3133.D		
Injection Date:	18-Dec-2012 12:11:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	4
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

$ 8 Phenol-d5, Signal: 1, m/z: 99.0 Type: quant, RT: 6.12

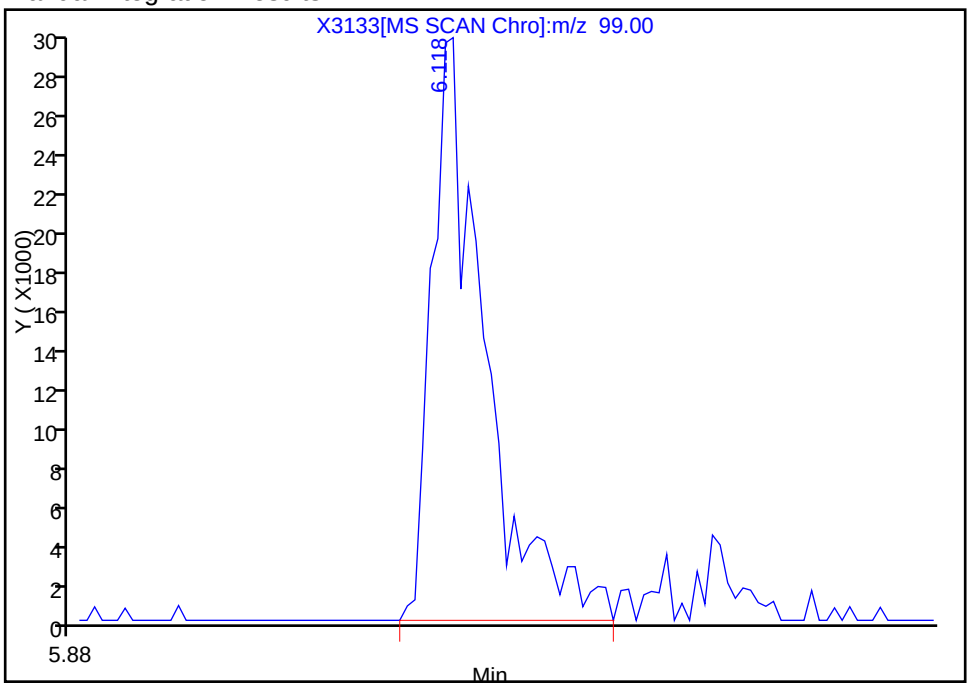
Processing Integration Results

RT: 6.12
Response: 33295
Amount: 0.906604



Manual Integration Results

RT: 6.12
Response: 67367
Amount: 1.035781



Reviewer: mckernar, 18-Dec-2012 13:05:29
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Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

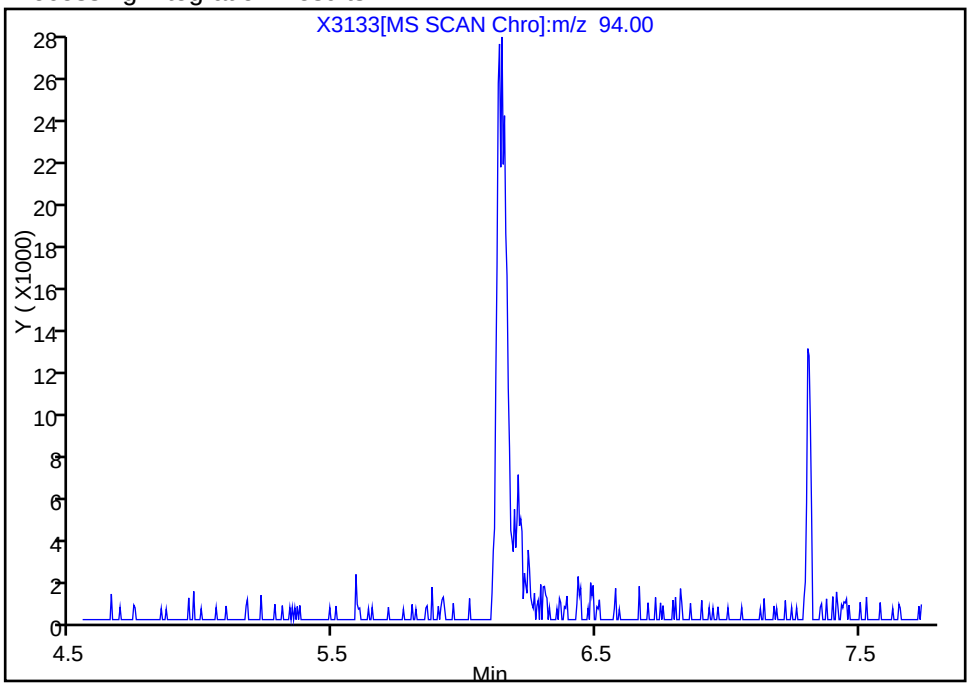
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3133.D		
Injection Date:	18-Dec-2012 12:11:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	4
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

22 Phenol, Signal: 1, m/z: 94.0 Type: quant, RT: 6.14

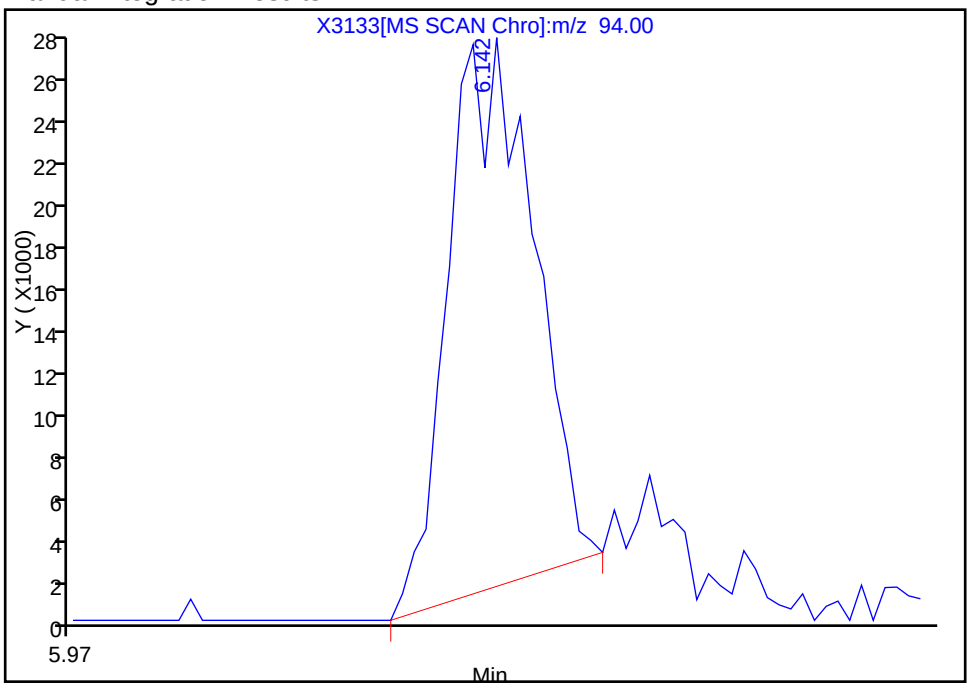
Processing Integration Results

Not Detected
Expected RT: 6.14



Manual Integration Results

RT: 6.14
Response: 63116
Amount: 0.879884



Reviewer: mckernar, 18-Dec-2012 13:05:29
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Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

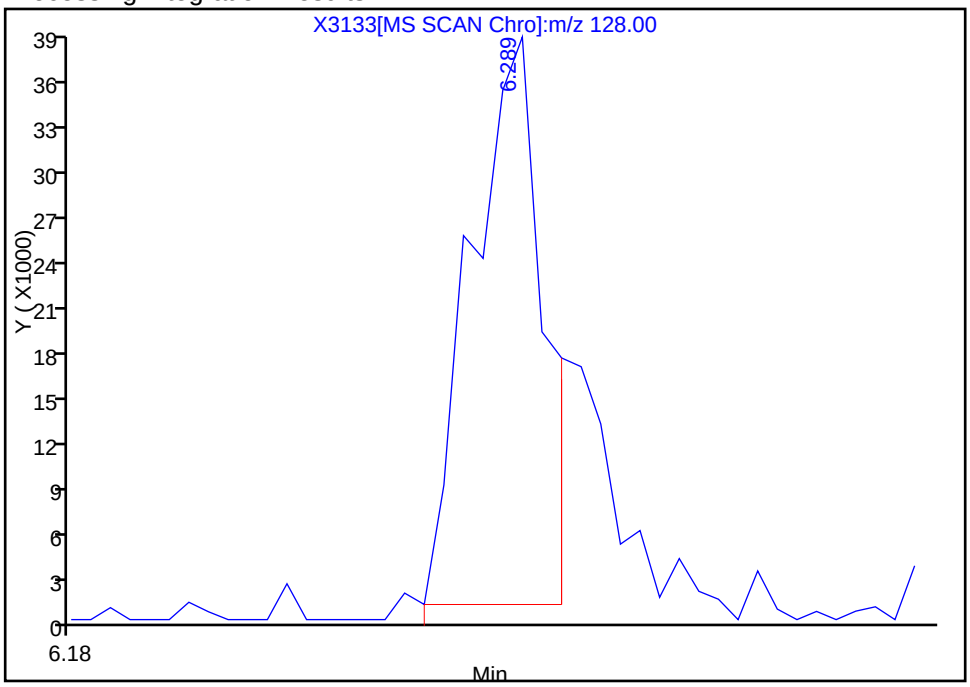
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3133.D		
Injection Date:	18-Dec-2012 12:11:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	4
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

25 2-Chlorophenol, Signal: 1, m/z: 128.0 Type: quant, RT: 6.29

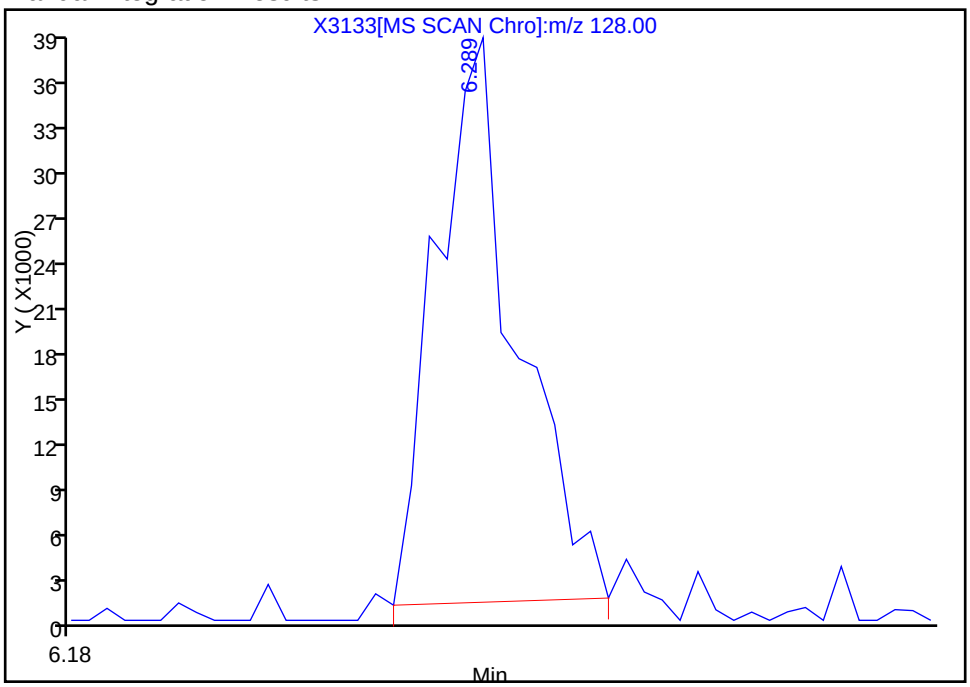
Processing Integration Results

RT: 6.29
Response: 46241
Amount: 0.974687



Manual Integration Results

RT: 6.29
Response: 55968
Amount: 0.917797



Reviewer: mckernar, 18-Dec-2012 13:05:29
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Audit Reason: Assign Peak

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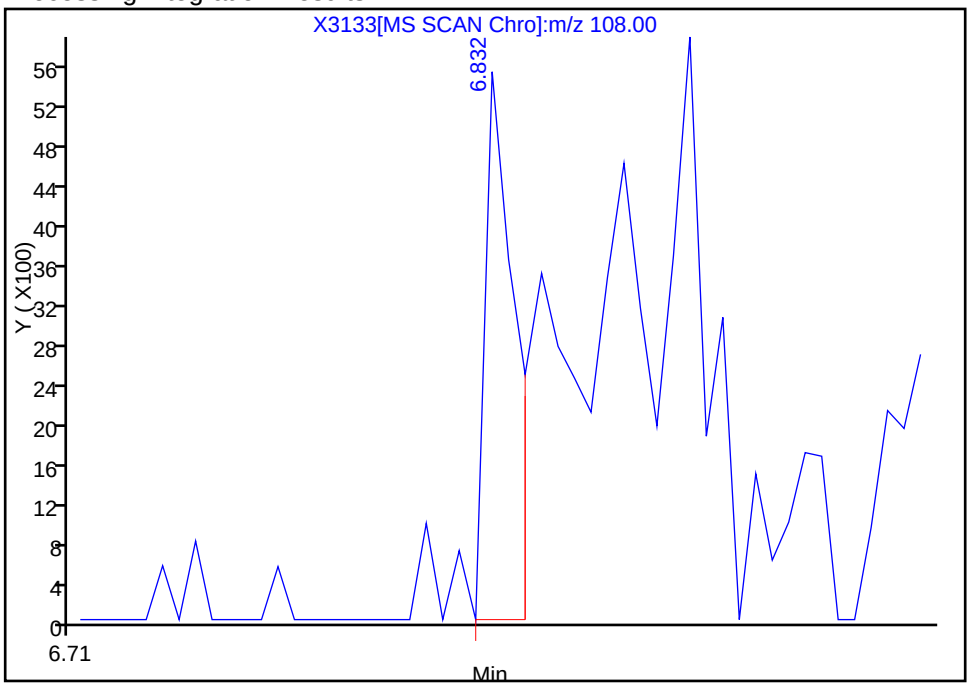
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3133.D		
Injection Date:	18-Dec-2012 12:11:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	4
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

28 Benzyl alcohol, Signal: 1, m/z: 108.0 Type: quant, RT: 6.85

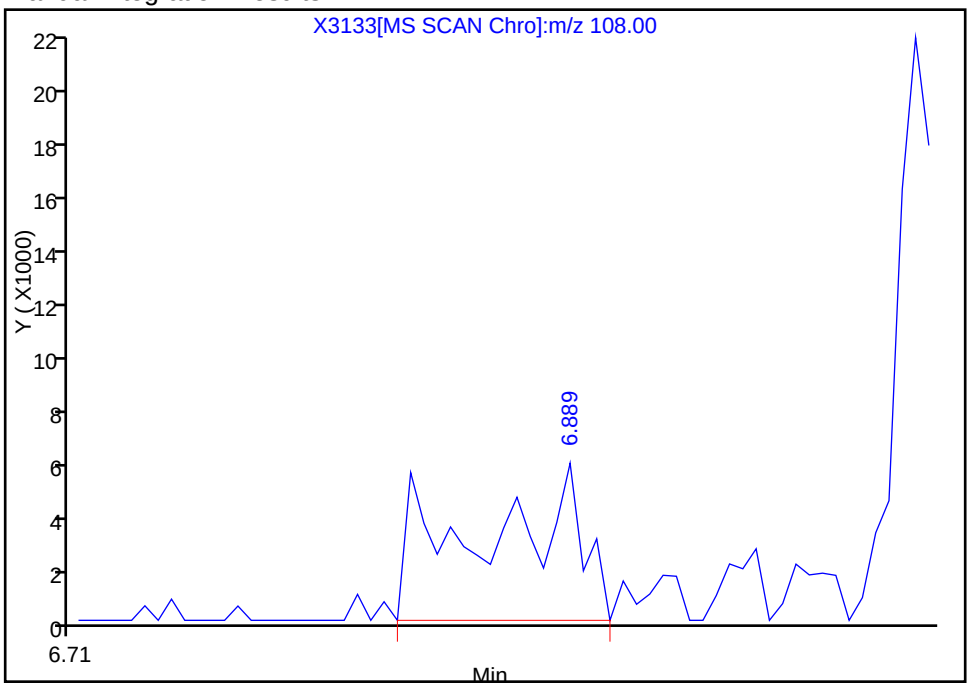
Processing Integration Results

RT: 6.83
Response: 3277
Amount: 1.313336



Manual Integration Results

RT: 6.89
Response: 14091
Amount: 0.795845



Reviewer: mckernar, 18-Dec-2012 13:05:29
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 18-Dec-2012 16:43:03 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

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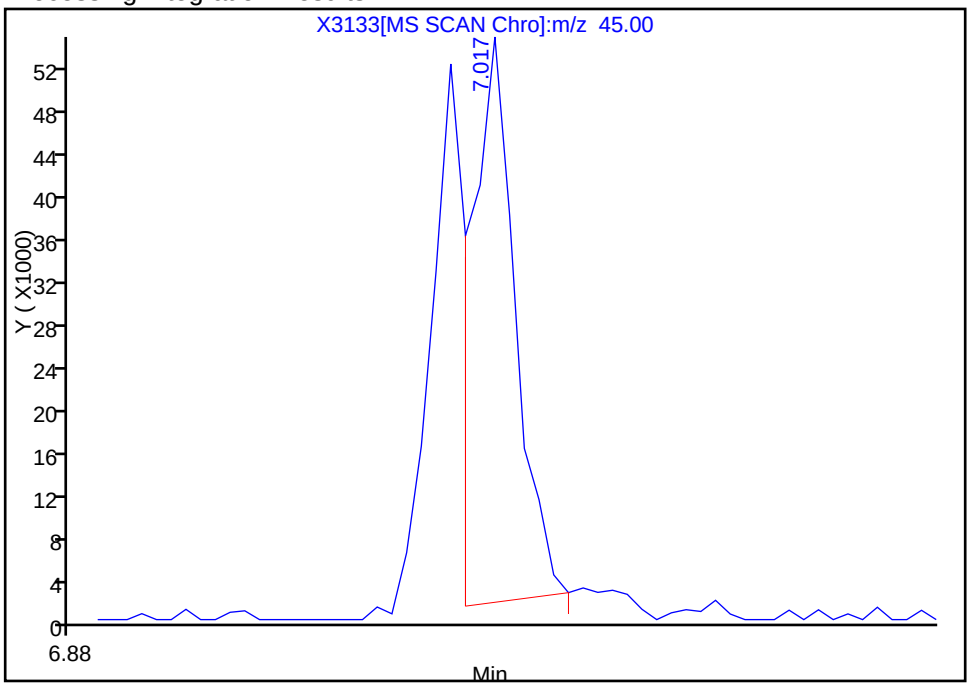
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	4
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

32 2,2'-oxybis[1-chloropropane], Signal: 1, m/z: 45.0 Type: quant, RT: 7.02

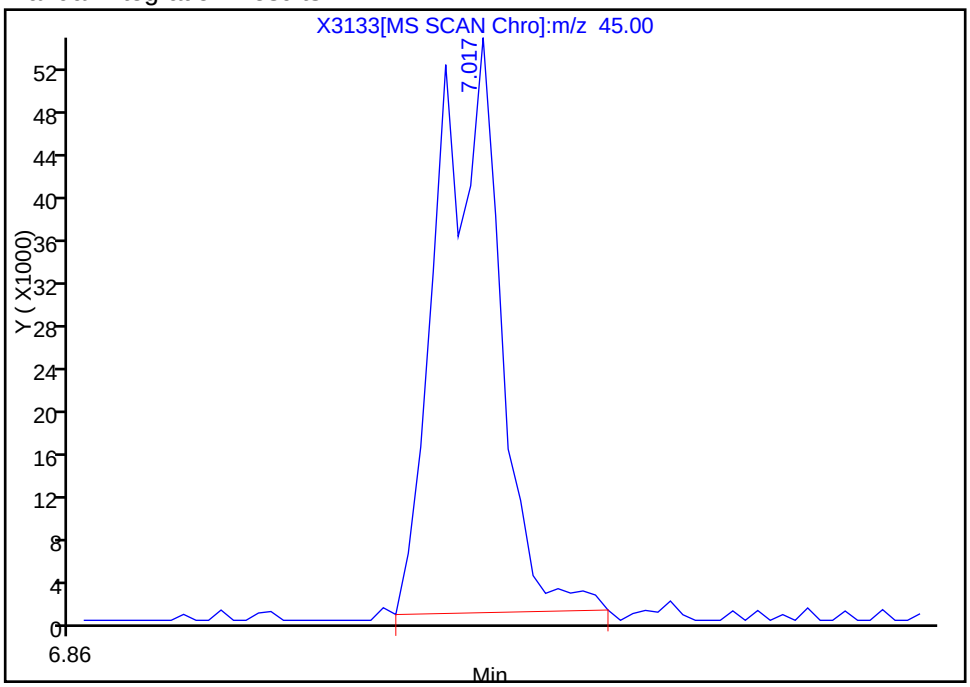
Processing Integration Results

RT: 7.02
Response: 53632
Amount: 0.728838



Manual Integration Results

RT: 7.02
Response: 88085
Amount: 0.959531



Reviewer: mckernar, 18-Dec-2012 13:05:29
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

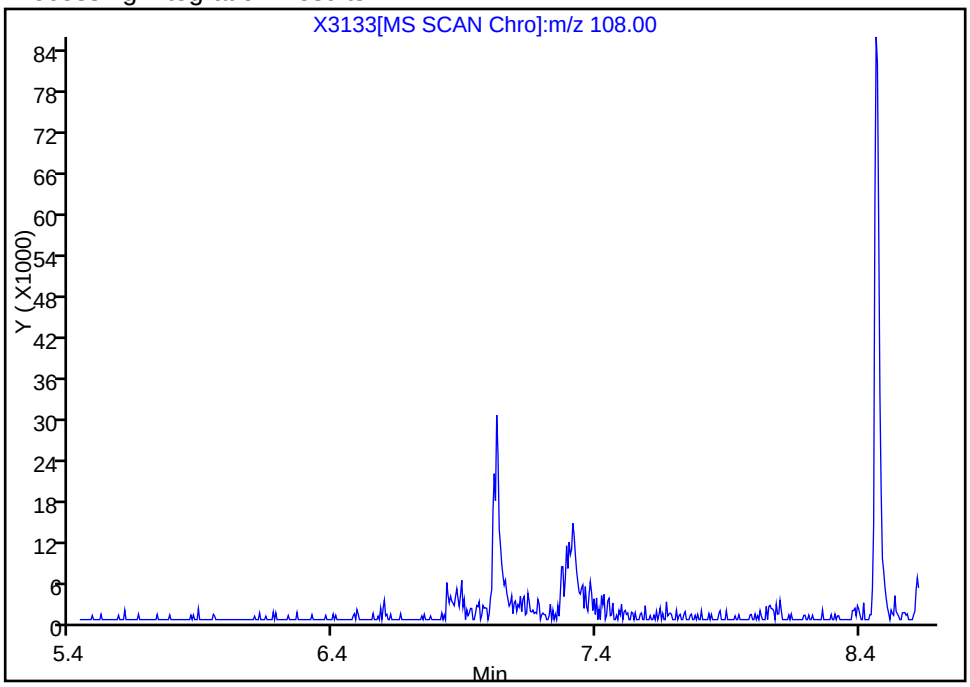
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3133.D		
Injection Date:	18-Dec-2012 12:11:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	4
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

31 2-Methylphenol, Signal: 1, m/z: 108.0 Type: quant, RT: 7.03

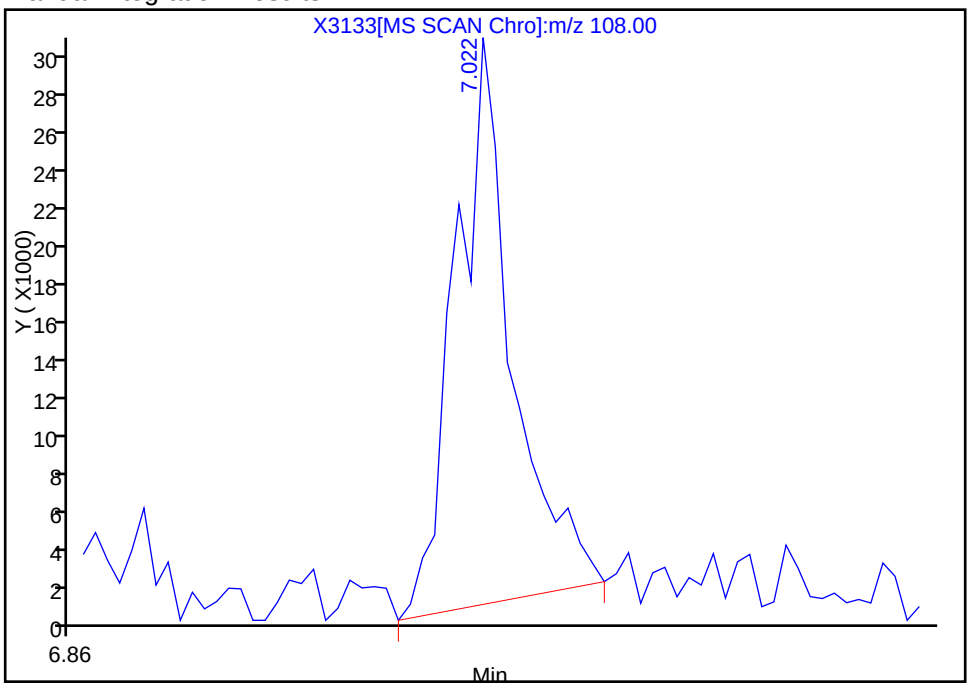
Processing Integration Results

Not Detected
Expected RT: 7.03



Manual Integration Results

RT: 7.02
Response: 45407
Amount: 0.887078



Reviewer: mckernar, 18-Dec-2012 13:05:29
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

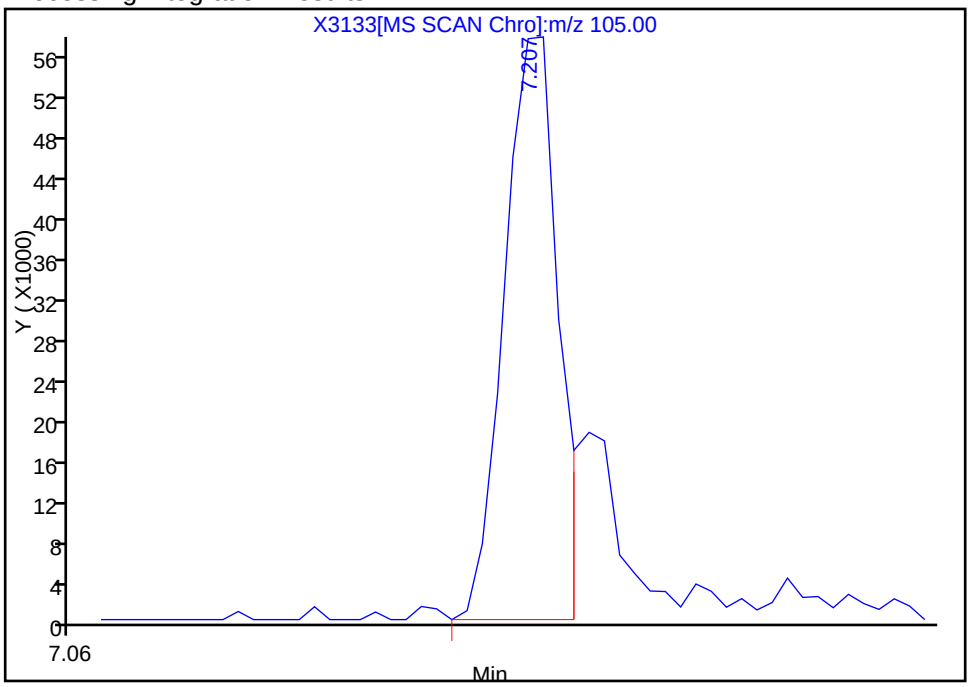
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3133.D		
Injection Date:	18-Dec-2012 12:11:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	4
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

33 Acetophenone, Signal: 1, m/z: 105.0 Type: quant, RT: 7.21

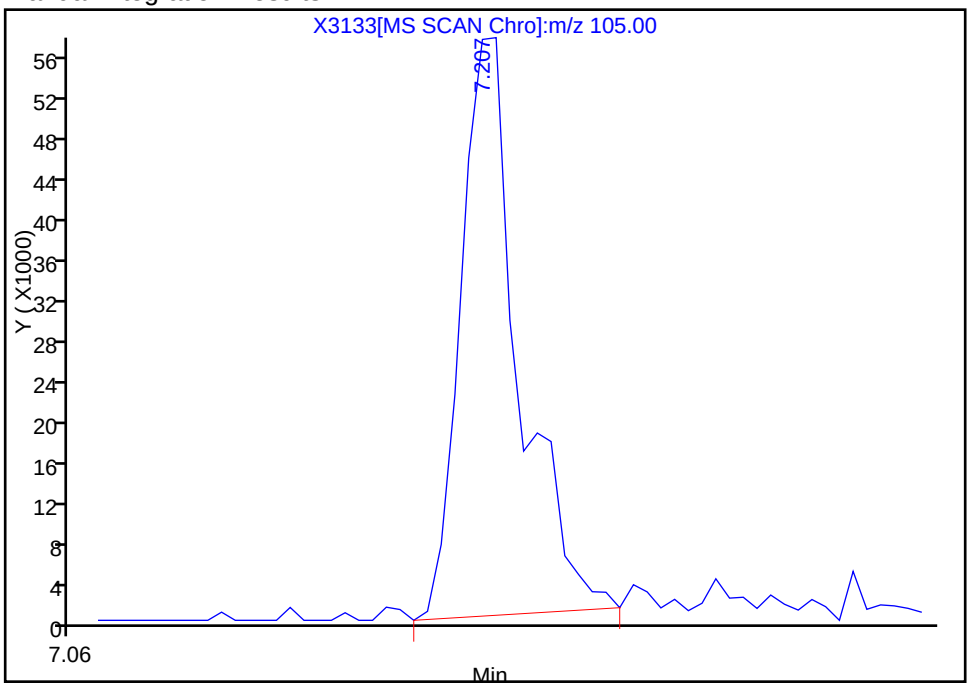
Processing Integration Results

RT: 7.21
Response: 67490
Amount: 1.080890



Manual Integration Results

RT: 7.21
Response: 79952
Amount: 0.915491



Reviewer: mckernar, 18-Dec-2012 13:05:29
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

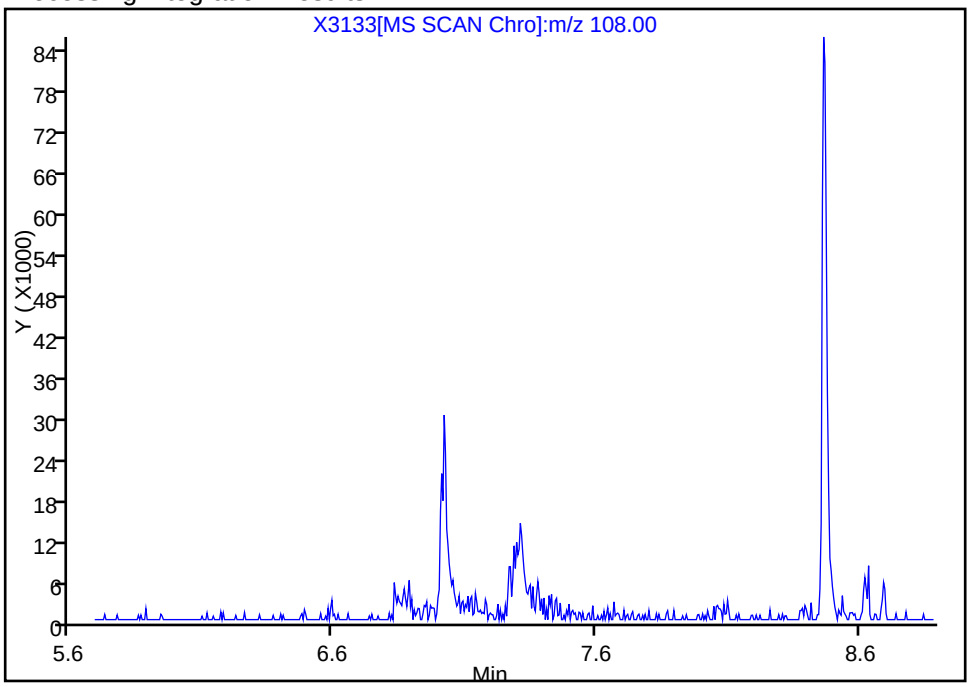
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3133.D		
Injection Date:	18-Dec-2012 12:11:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	4
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

36 4-Methylphenol, Signal: 1, m/z: 108.0 Type: quant, RT: 7.29

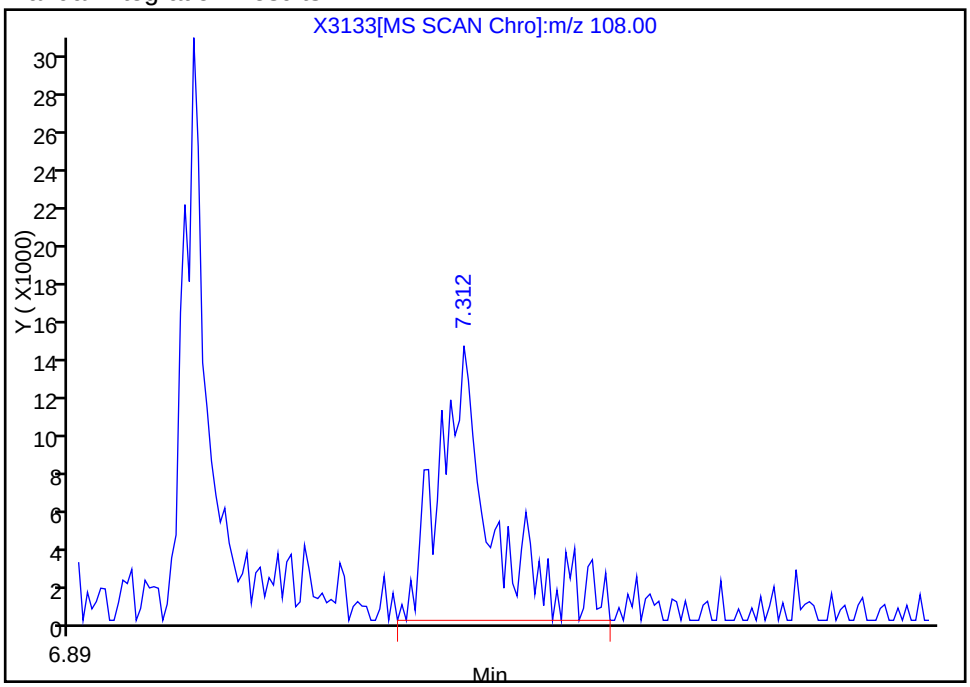
Processing Integration Results

Not Detected
Expected RT: 7.29



Manual Integration Results

RT: 7.31
Response: 57517
Amount: 1.109485



Reviewer: mckernar, 18-Dec-2012 13:05:29
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

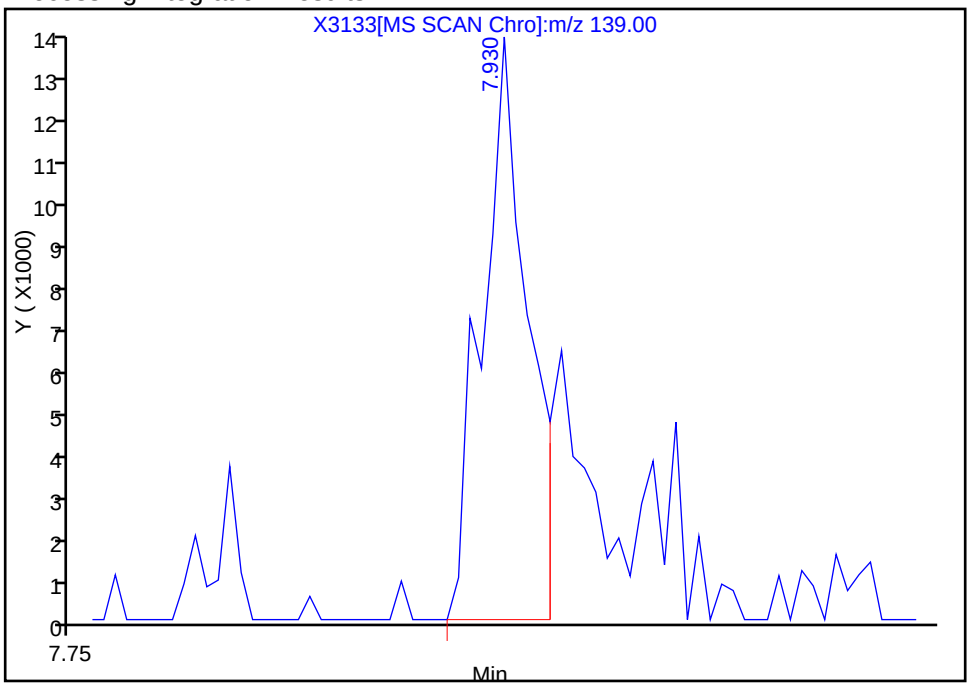
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3133.D		
Injection Date:	18-Dec-2012 12:11:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	4
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

41 2-Nitrophenol, Signal: 1, m/z: 139.0 Type: quant, RT: 7.94

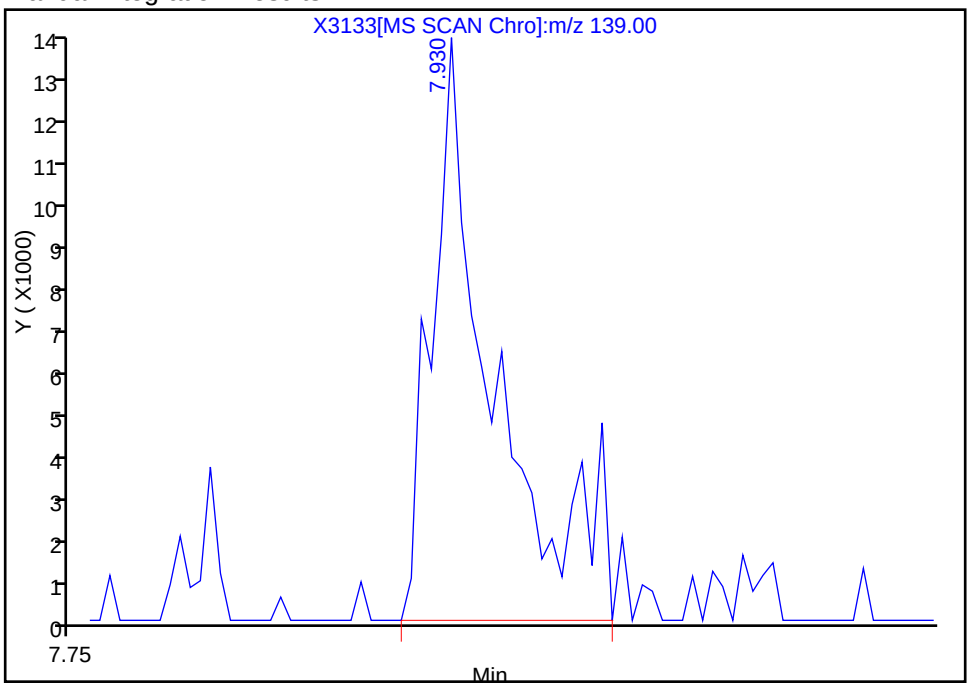
Processing Integration Results

RT: 7.93
Response: 17722
Amount: 0.928988



Manual Integration Results

RT: 7.93
Response: 27016
Amount: 0.904879



Reviewer: mckernar, 18-Dec-2012 13:05:29
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 18-Dec-2012 16:43:03 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

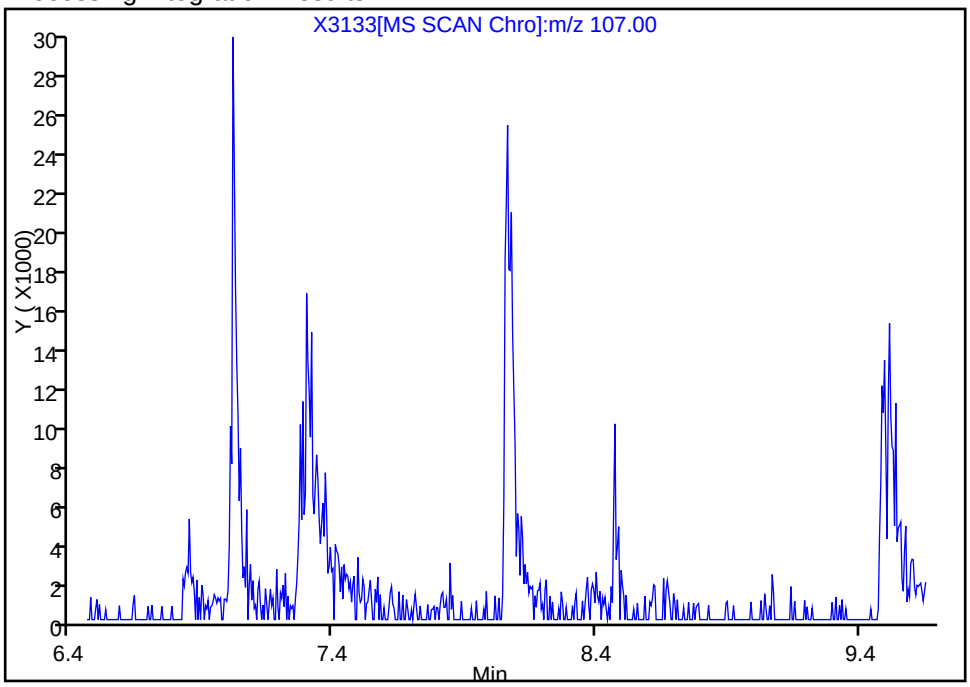
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3133.D		
Injection Date:	18-Dec-2012 12:11:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	4
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

43 2,4-Dimethylphenol, Signal: 1, m/z: 107.0 Type: quant, RT: 8.06

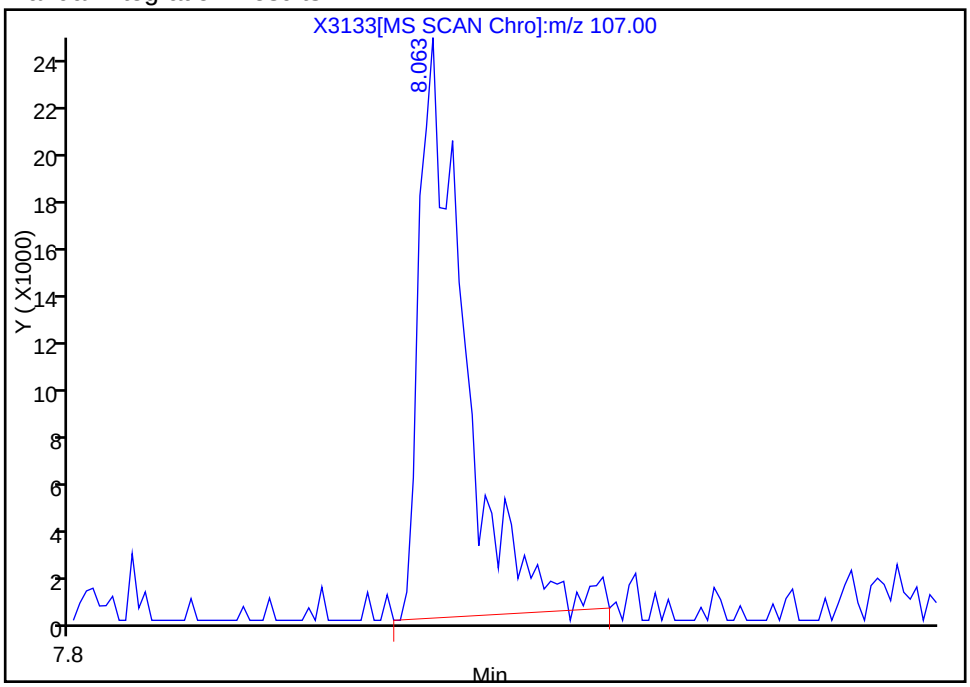
Processing Integration Results

Not Detected
Expected RT: 8.06



Manual Integration Results

RT: 8.06
Response: 56555
Amount: 1.004242



Reviewer: mckernar, 18-Dec-2012 13:05:29
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 18-Dec-2012 16:43:03 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

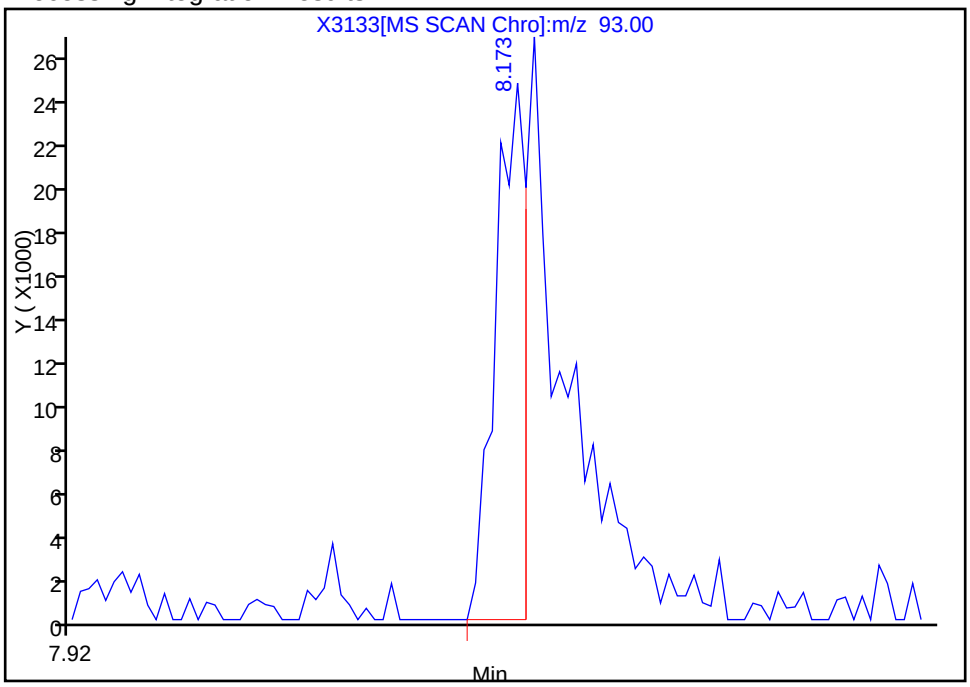
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3133.D		
Injection Date:	18-Dec-2012 12:11:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	4
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

45 Bis(2-chloroethoxy)methane, Signal: 1, m/z: 93.0 Type: quant, RT: 8.18

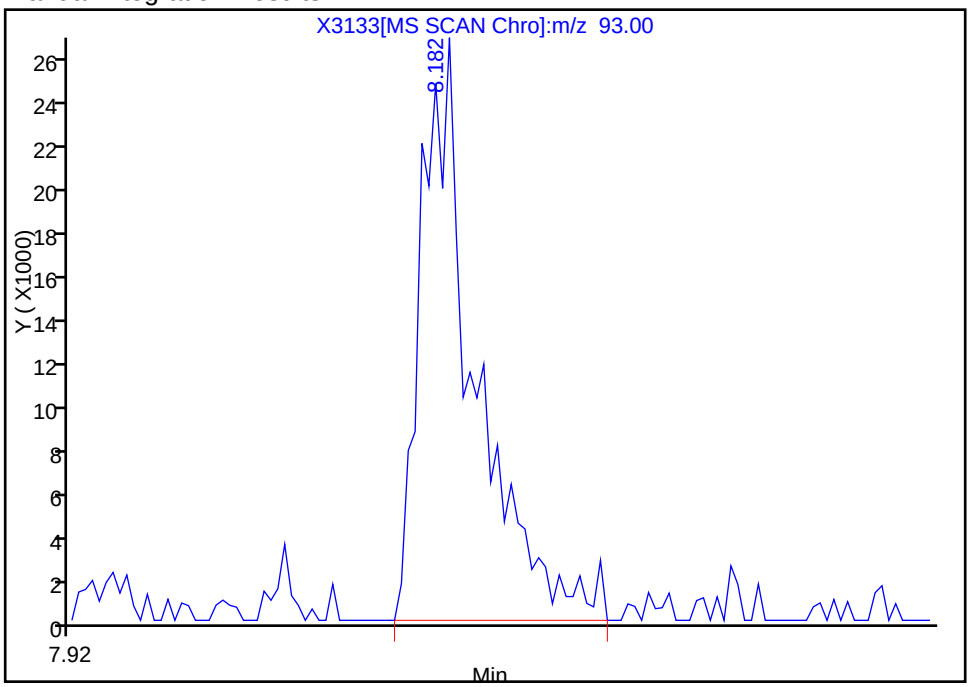
Processing Integration Results

RT: 8.17
Response: 29029
Amount: 0.852615



Manual Integration Results

RT: 8.18
Response: 68136
Amount: 1.066069



Reviewer: mckernar, 18-Dec-2012 13:05:29
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

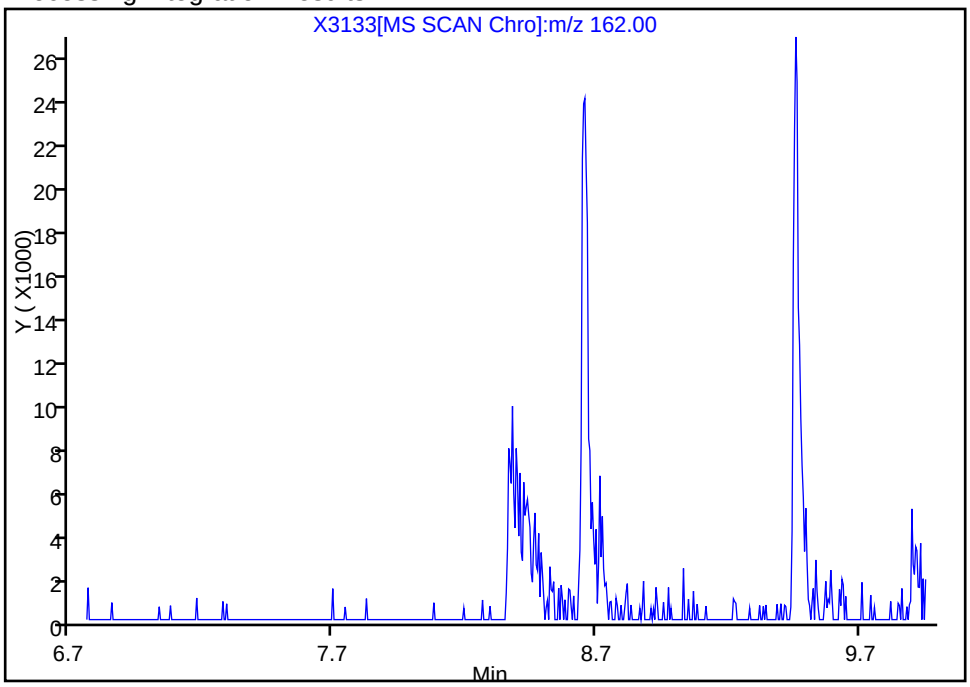
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3133.D		
Injection Date:	18-Dec-2012 12:11:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	4
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

47 2,4-Dichlorophenol, Signal: 1, m/z: 162.0 Type: quant, RT: 8.36

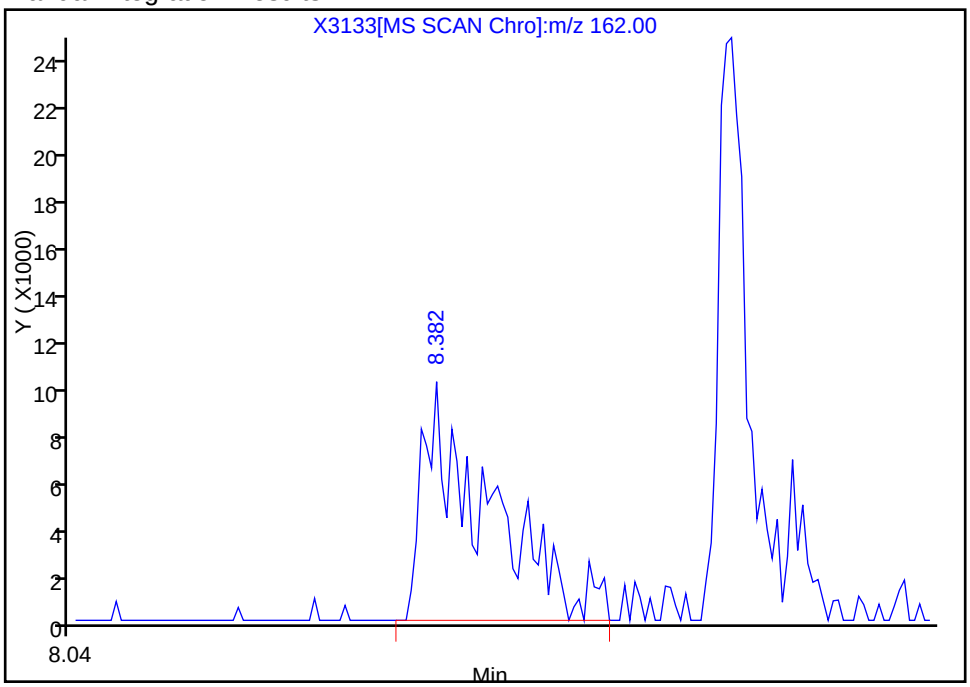
Processing Integration Results

Not Detected
Expected RT: 8.36



Manual Integration Results

RT: 8.38
Response: 41301
Amount: 0.901235



Reviewer: mckernar, 18-Dec-2012 13:05:29
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 18-Dec-2012 16:43:03 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

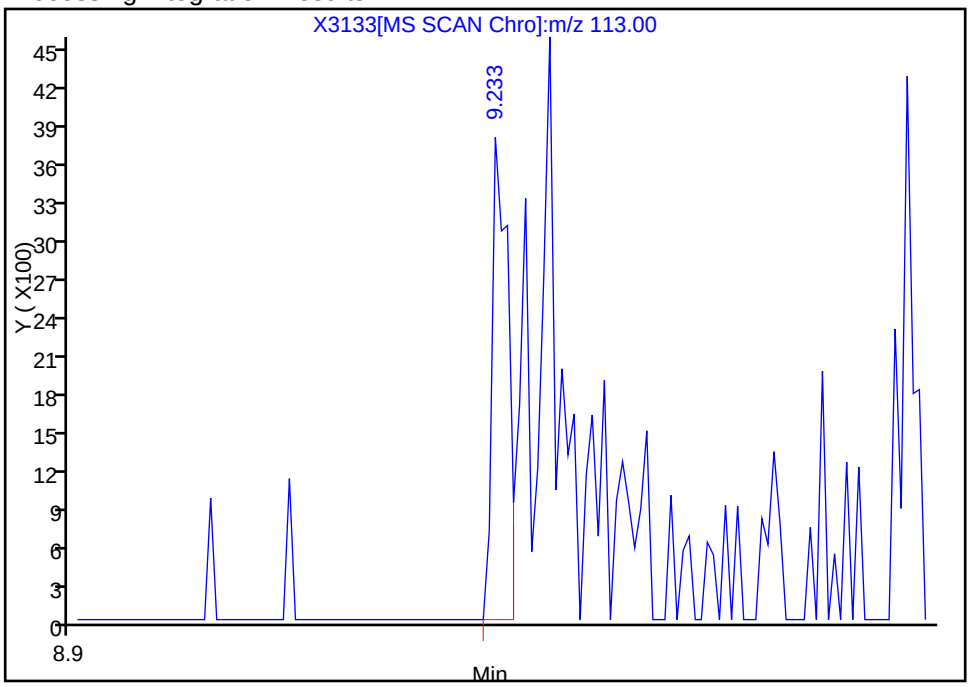
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3133.D		
Injection Date:	18-Dec-2012 12:11:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	4
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

54 Caprolactam, Signal: 1, m/z: 113.0 Type: quant, RT: 9.21

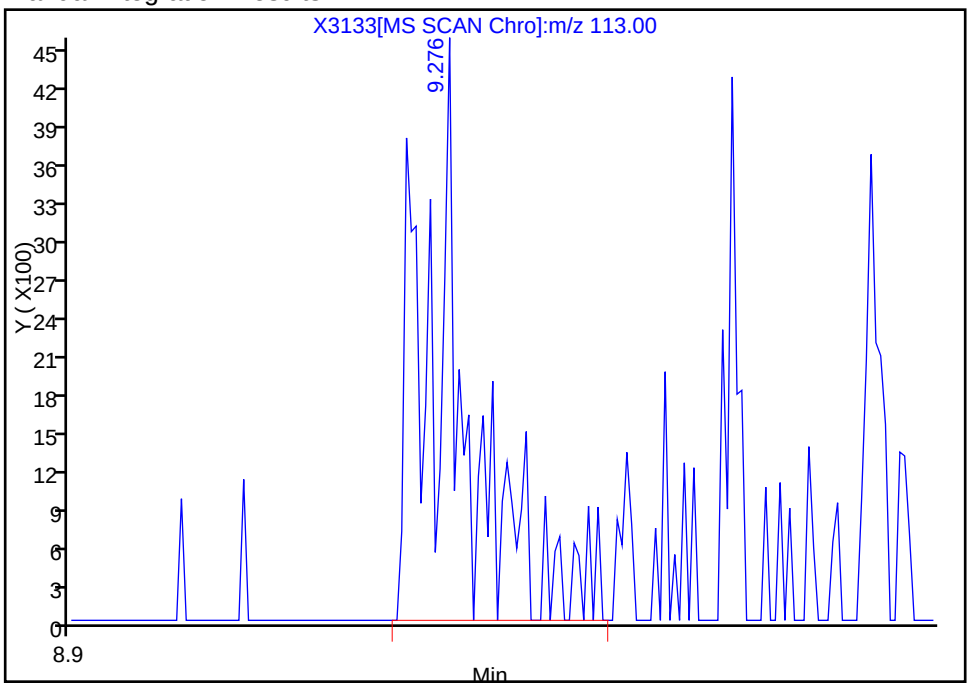
Processing Integration Results

RT: 9.23
Response: 3250
Amount: 0.423728



Manual Integration Results

RT: 9.28
Response: 13444
Amount: 0.806018



Reviewer: mckernar, 18-Dec-2012 13:05:29
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

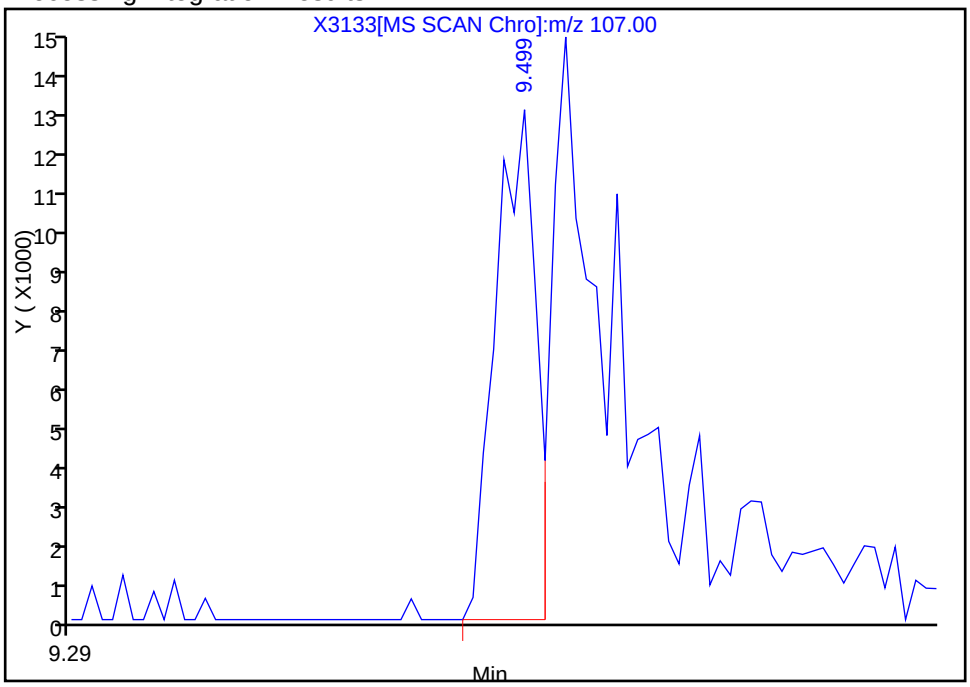
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3133.D		
Injection Date:	18-Dec-2012 12:11:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	4
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

55 4-Chloro-3-methylphenol, Signal: 1, m/z: 107.0 Type: quant, RT: 9.47

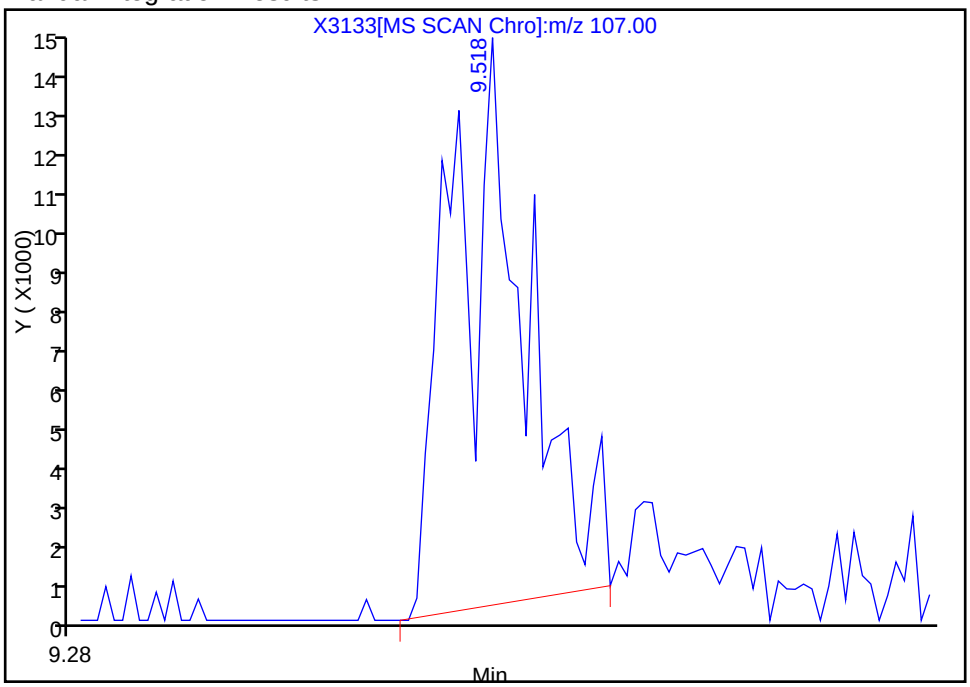
Processing Integration Results

RT: 9.50
Response: 16928
Amount: 0.663192



Manual Integration Results

RT: 9.52
Response: 41948
Amount: 0.828522



Reviewer: mckernar, 18-Dec-2012 13:05:29
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 18-Dec-2012 16:43:03 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

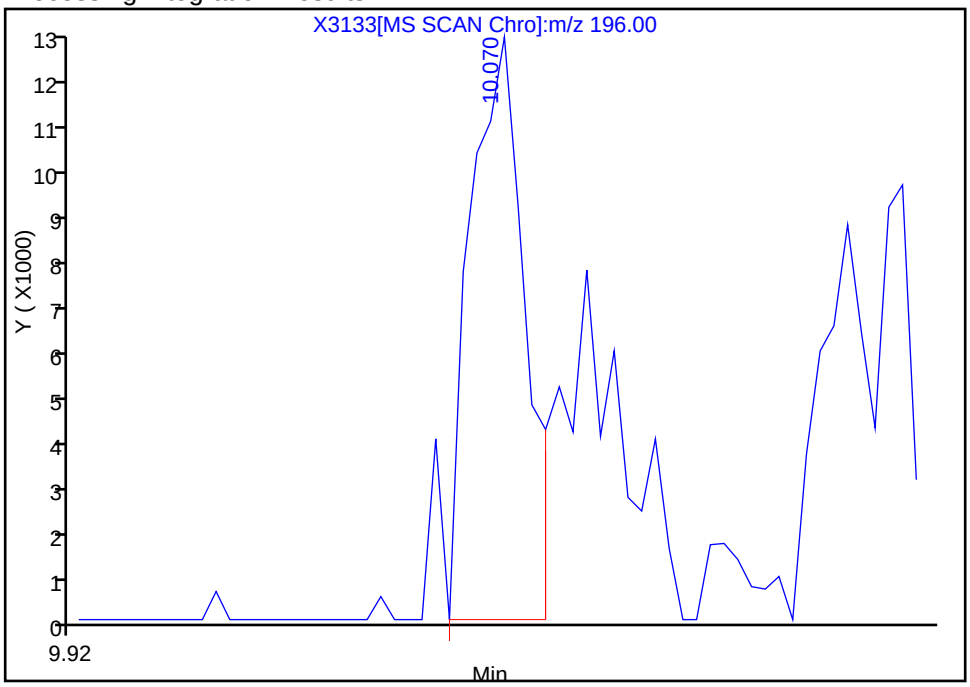
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3133.D		
Injection Date:	18-Dec-2012 12:11:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	4
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

60 2,4,6-Trichlorophenol, Signal: 1, m/z: 196.0 Type: quant, RT: 10.04

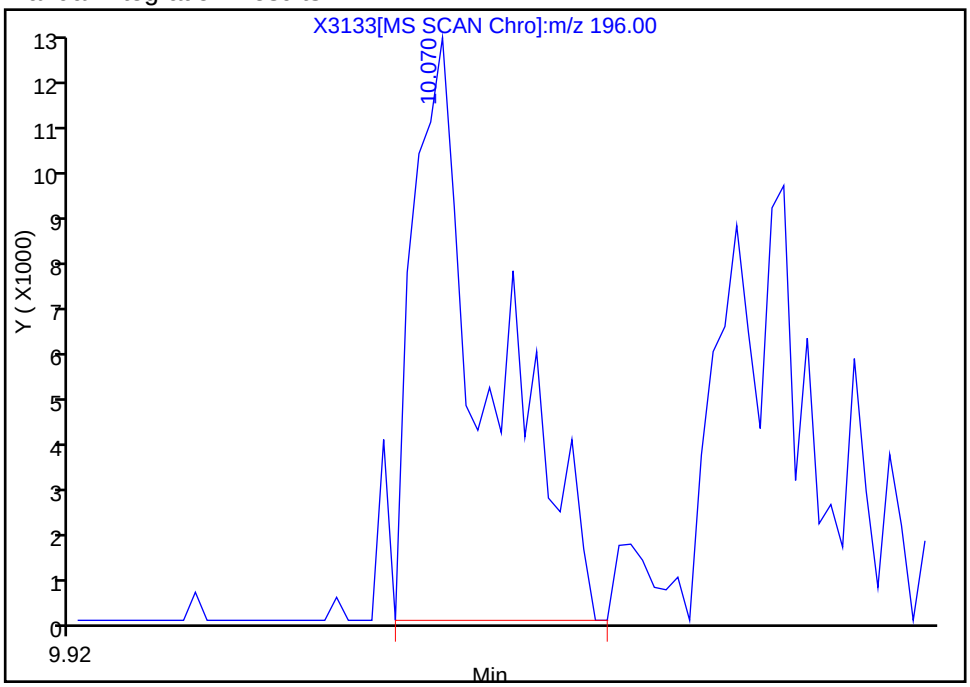
Processing Integration Results

RT: 10.07
Response: 16924
Amount: 0.811430



Manual Integration Results

RT: 10.07
Response: 27547
Amount: 0.909858



Reviewer: mckernar, 18-Dec-2012 13:05:29
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

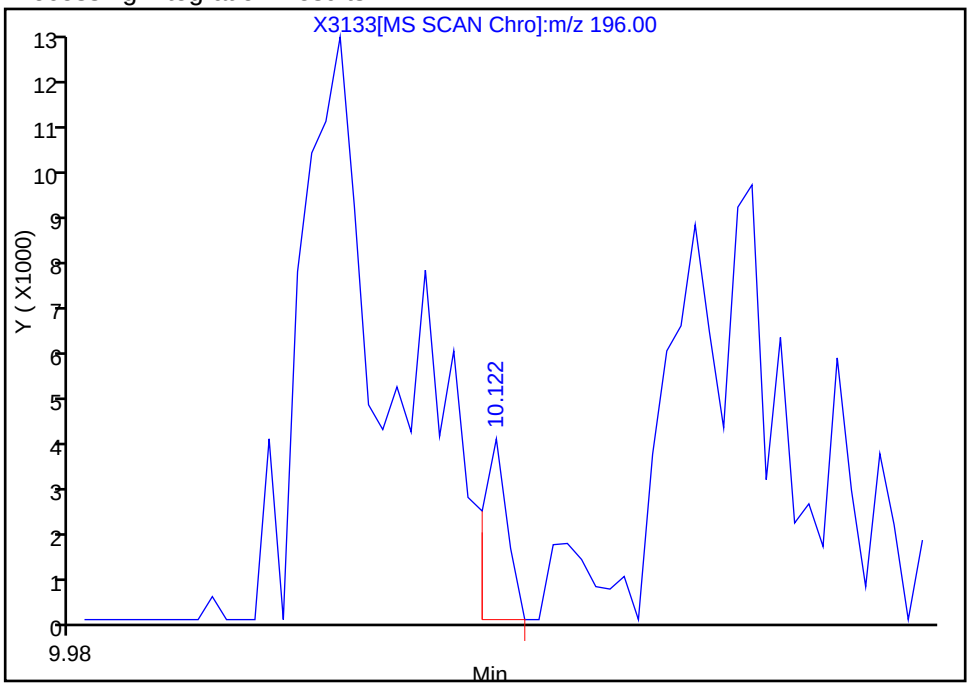
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3133.D		
Injection Date:	18-Dec-2012 12:11:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	4
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

61 2,4,5-Trichlorophenol, Signal: 1, m/z: 196.0 Type: quant, RT: 10.15

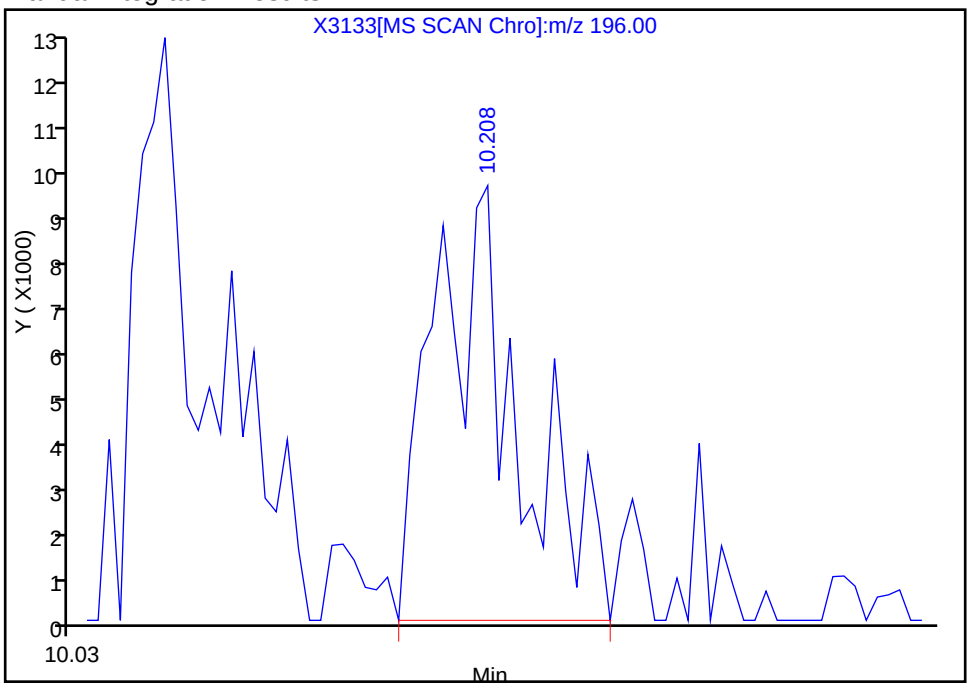
Processing Integration Results

RT: 10.12
Response: 2248
Amount: 0.133746



Manual Integration Results

RT: 10.21
Response: 23950
Amount: 0.817751



Reviewer: mckernar, 18-Dec-2012 13:05:29
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

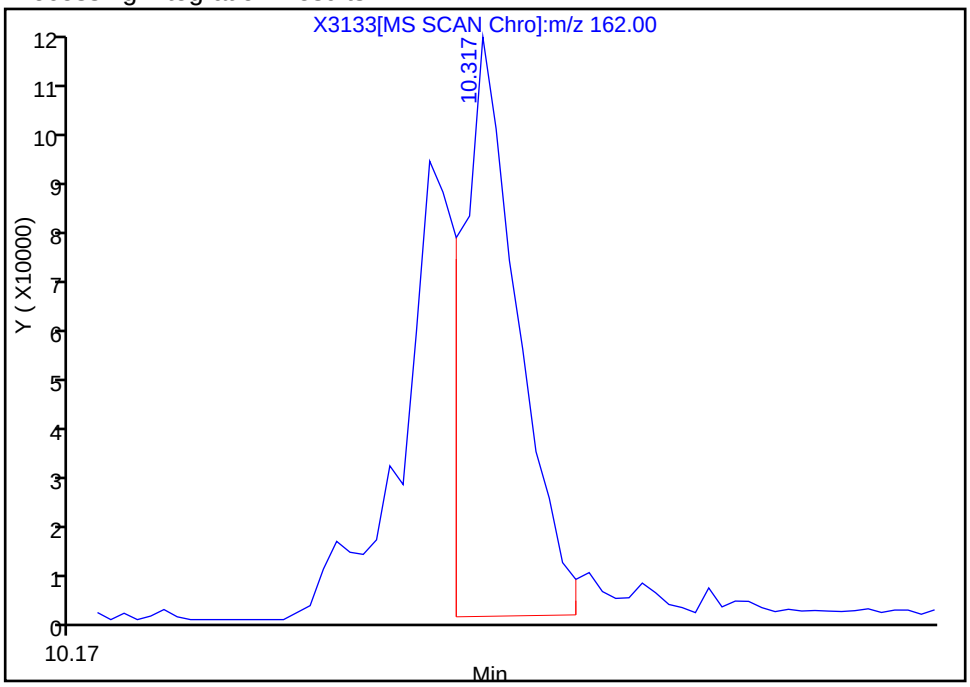
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3133.D		
Injection Date:	18-Dec-2012 12:11:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	4
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

63 2-Chloronaphthalene, Signal: 1, m/z: 162.0 Type: quant, RT: 10.32

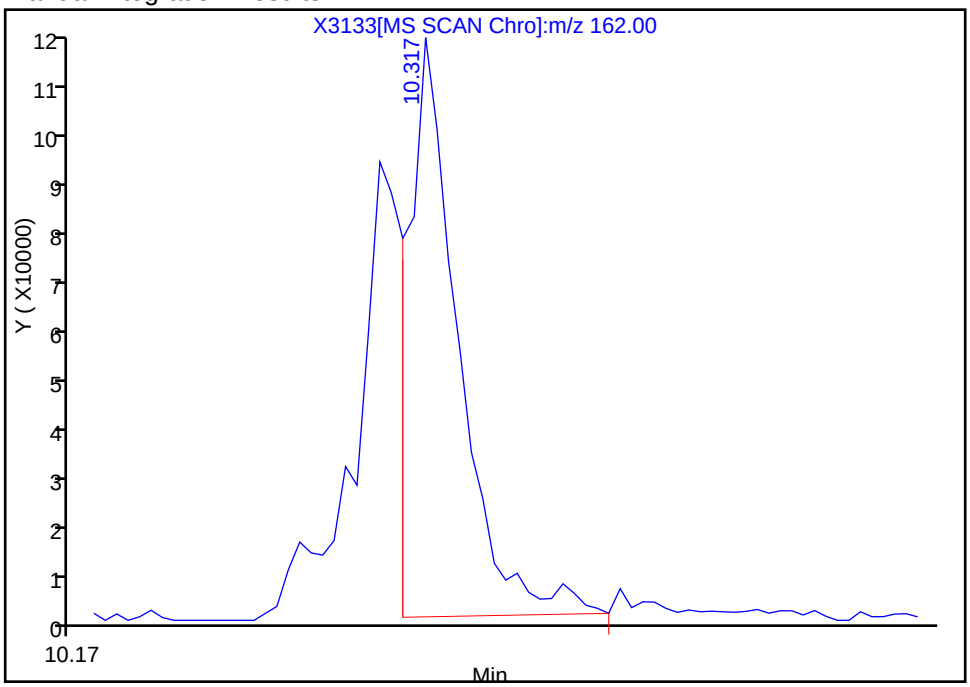
Processing Integration Results

RT: 10.32
Response: 156622
Amount: 0.695002



Manual Integration Results

RT: 10.32
Response: 165356
Amount: 0.920161



Reviewer: mckernar, 18-Dec-2012 13:05:29
Audit Action: Split an Integrated Peak
Audit Reason: Coelution

Report Date: 18-Dec-2012 16:43:03 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

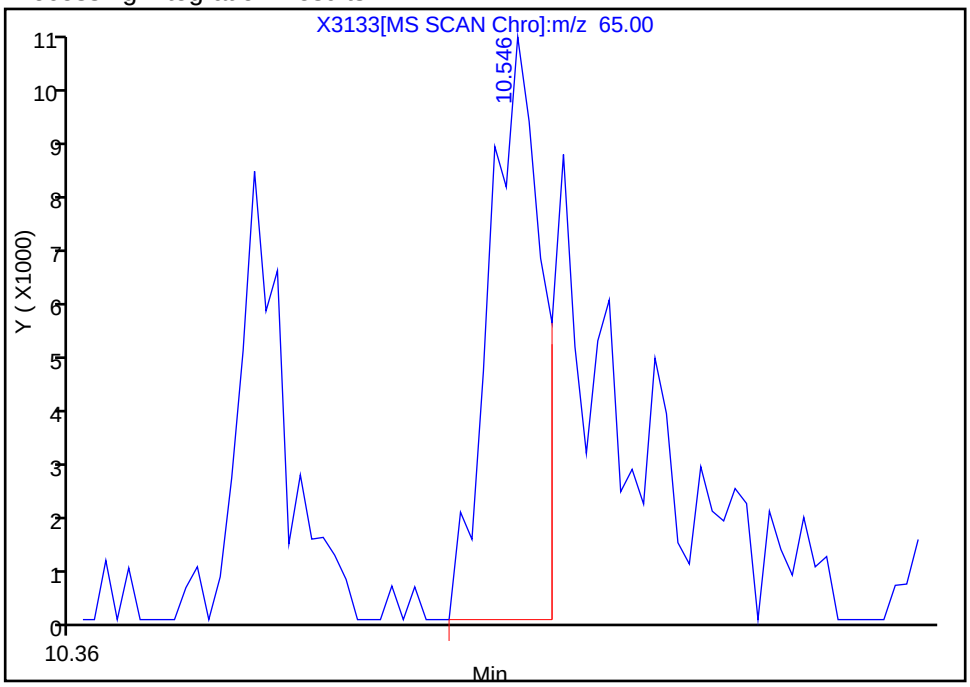
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3133.D		
Injection Date:	18-Dec-2012 12:11:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	4
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

65 2-Nitroaniline, Signal: 1, m/z: 65.0 Type: quant, RT: 10.51

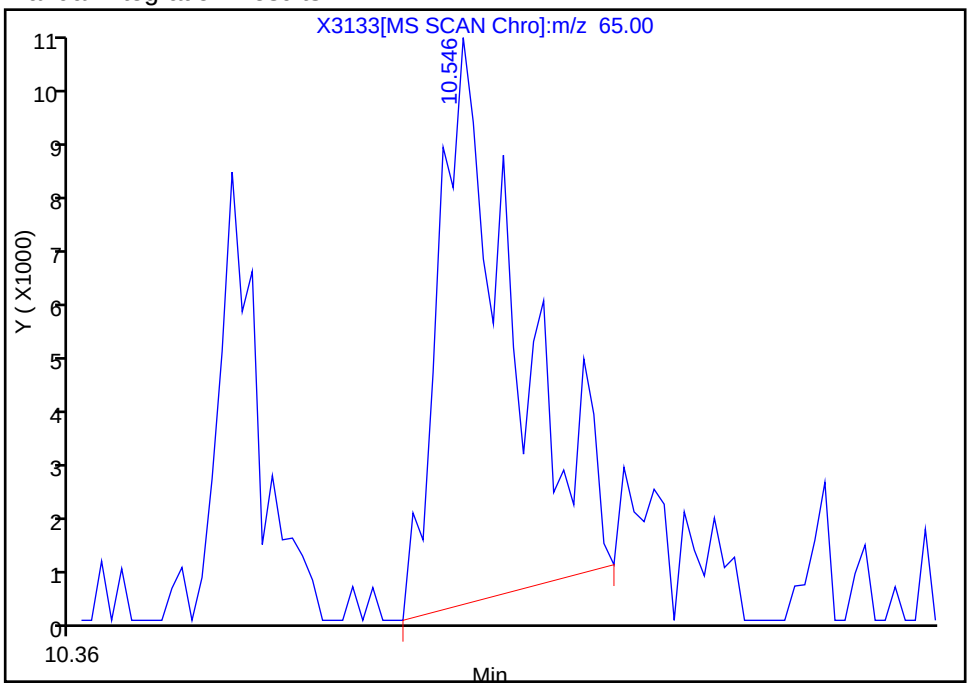
Processing Integration Results

RT: 10.55
Response: 15102
Amount: 0.655296



Manual Integration Results

RT: 10.55
Response: 24342
Amount: 0.701034



Reviewer: mckernar, 18-Dec-2012 13:05:29
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

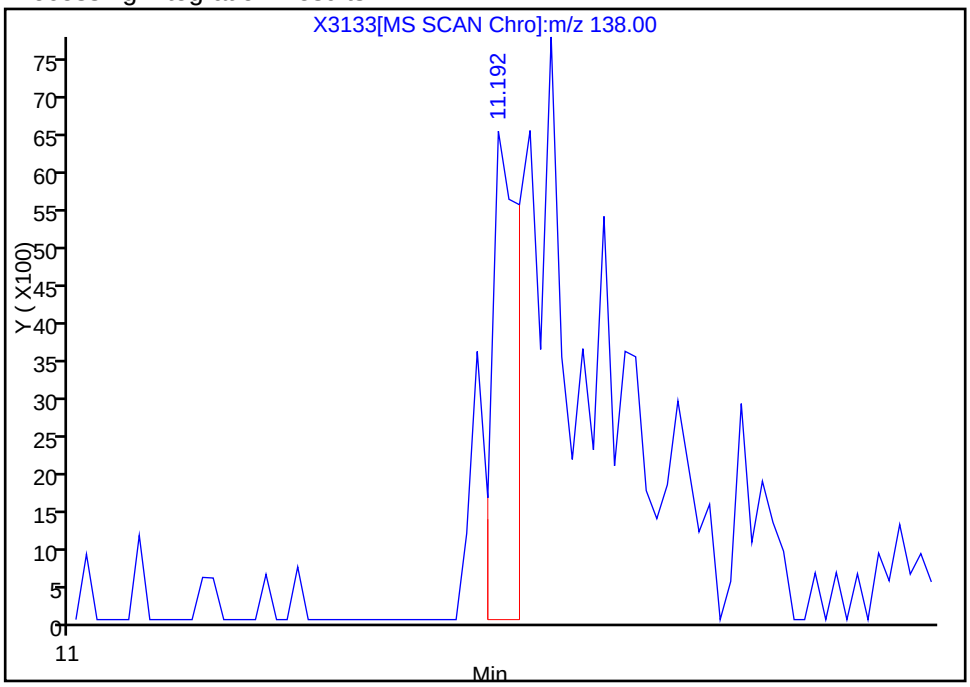
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3133.D		
Injection Date:	18-Dec-2012 12:11:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	4
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

70 3-Nitroaniline, Signal: 1, m/z: 138.0 Type: quant, RT: 11.16

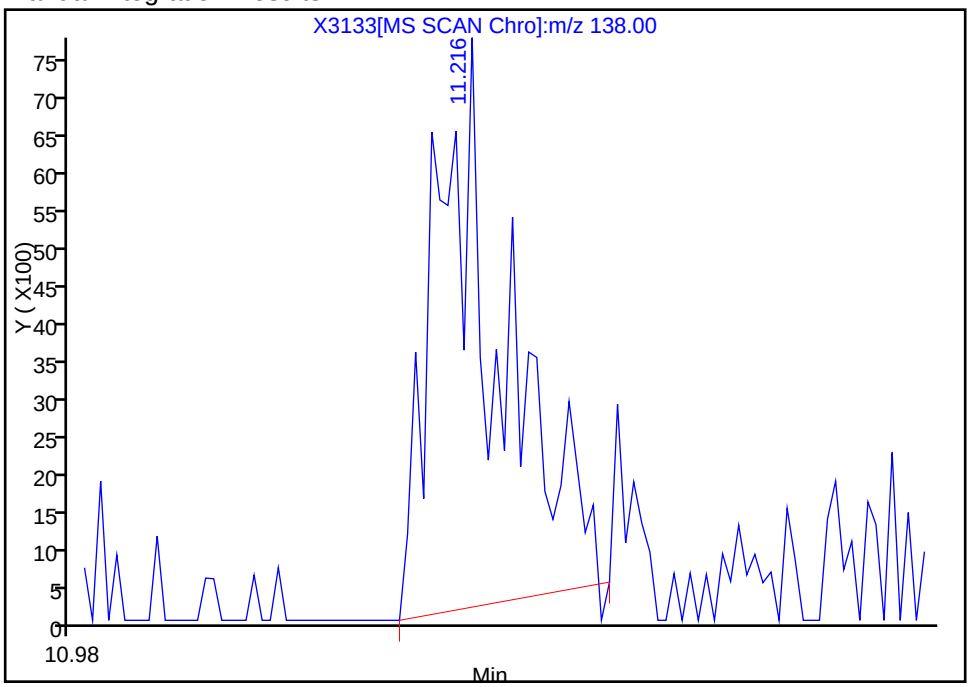
Processing Integration Results

RT: 11.19
Response: 5481
Amount: 1.000000



Manual Integration Results

RT: 11.22
Response: 21070
Amount: 0.689759



Reviewer: mckernar, 18-Dec-2012 13:05:29
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

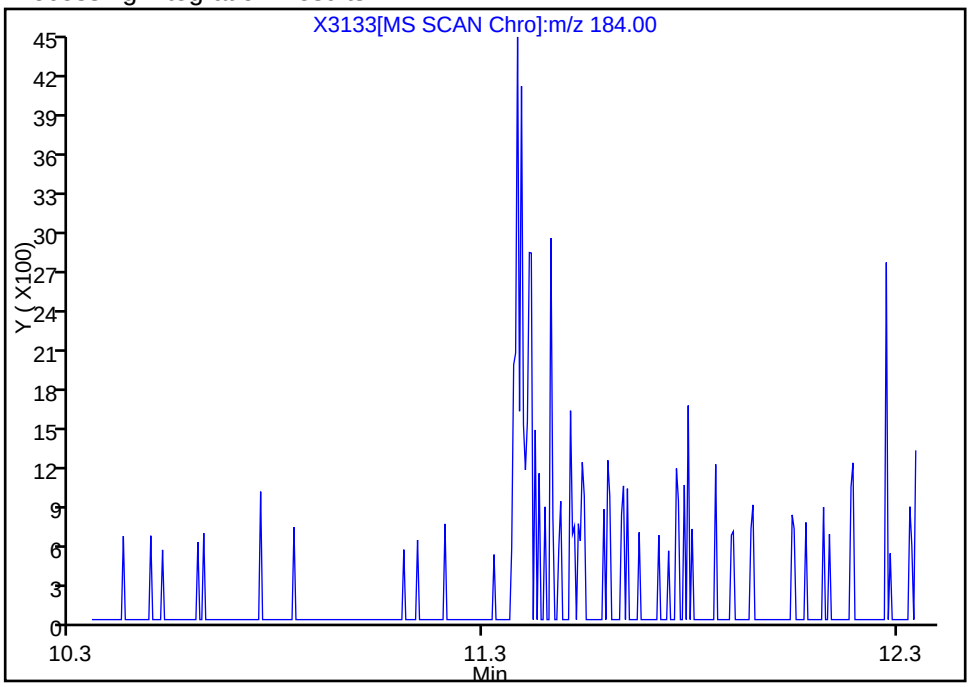
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3133.D		
Injection Date:	18-Dec-2012 12:11:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	4
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

72 2,4-Dinitrophenol, Signal: 1, m/z: 184.0 Type: quant, RT: 11.35

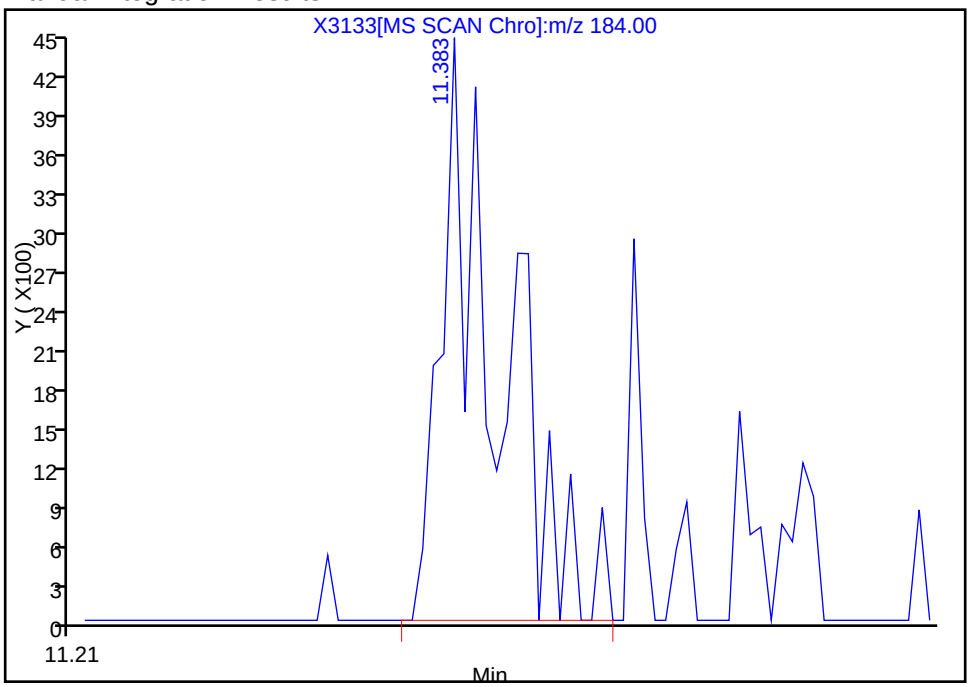
Processing Integration Results

Not Detected
Expected RT: 11.35



Manual Integration Results

RT: 11.38
Response: 7990
Amount: 0.882319



Reviewer: mckernar, 18-Dec-2012 13:05:29
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 18-Dec-2012 16:43:03 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

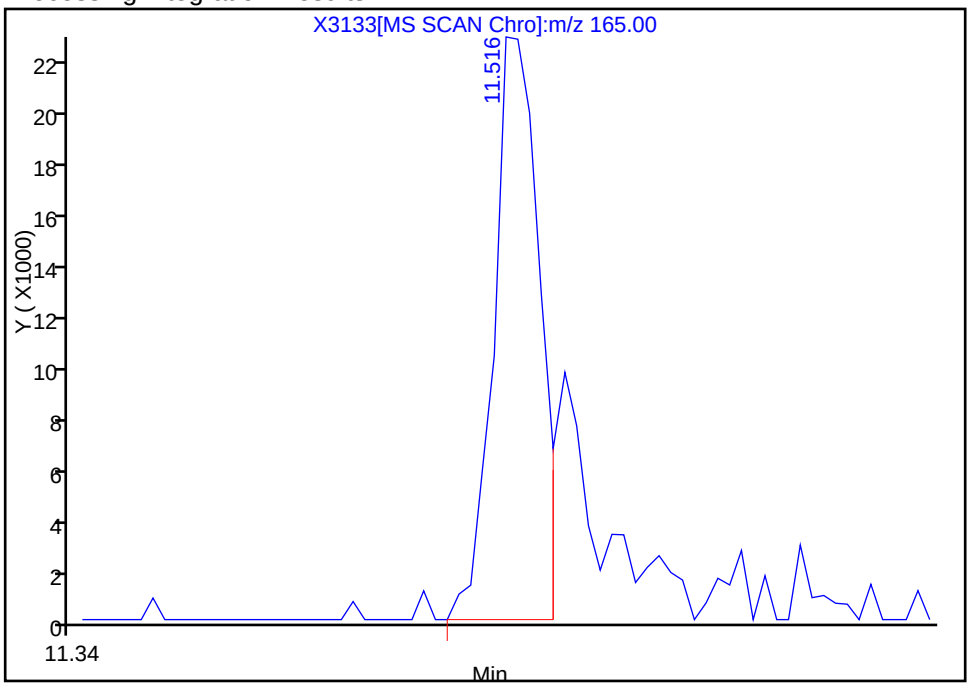
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3133.D		
Injection Date:	18-Dec-2012 12:11:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	4
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

74 2,4-Dinitrotoluene, Signal: 1, m/z: 165.0 Type: quant, RT: 11.49

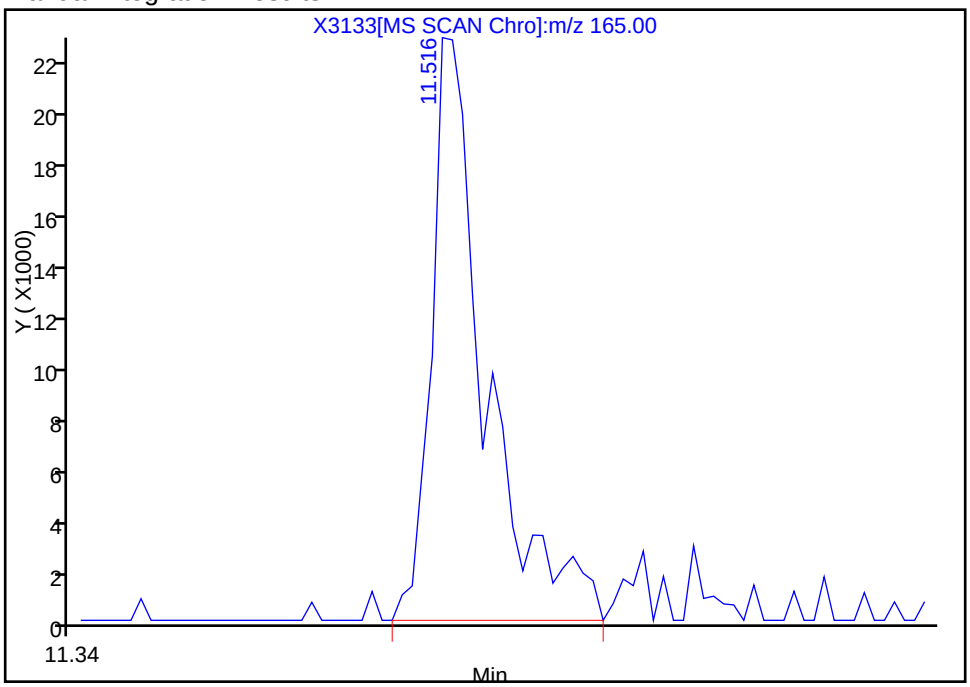
Processing Integration Results

RT: 11.52
Response: 29103
Amount: 0.996786



Manual Integration Results

RT: 11.52
Response: 40061
Amount: 1.020475



Reviewer: mckernar, 18-Dec-2012 13:05:29
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 18-Dec-2012 16:43:03 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

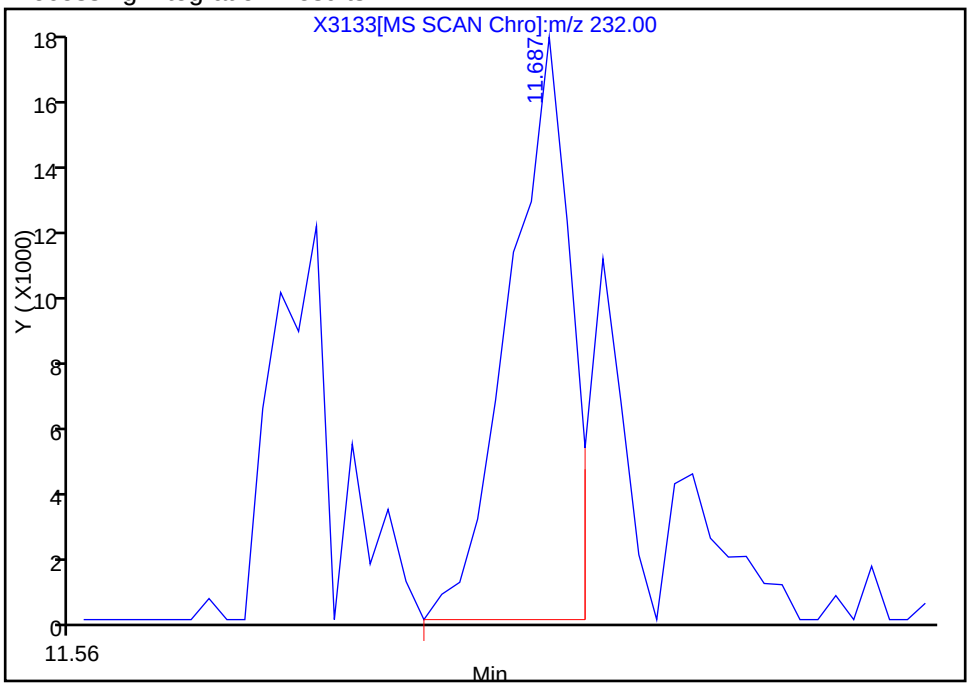
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3133.D		
Injection Date:	18-Dec-2012 12:11:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	4
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

76 2,3,4,6-Tetrachlorophenol, Signal: 1, m/z: 232.0 Type: quant, RT: 11.67

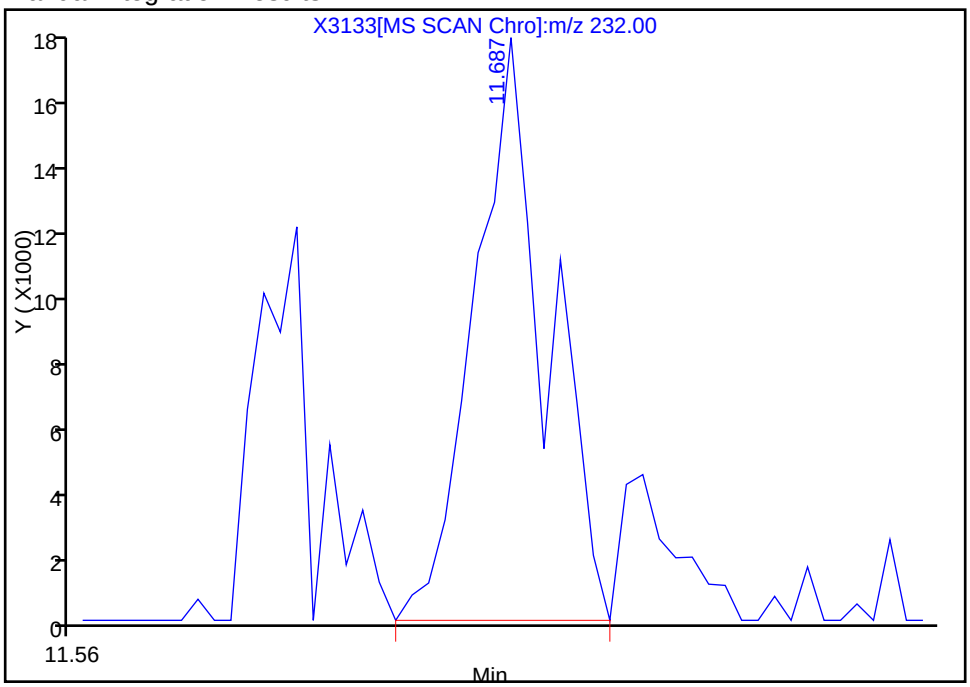
Processing Integration Results

RT: 11.69
Response: 20293
Amount: 0.921593



Manual Integration Results

RT: 11.69
Response: 25922
Amount: 1.100229



Reviewer: mckernar, 18-Dec-2012 15:43:05
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 18-Dec-2012 16:43:03 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

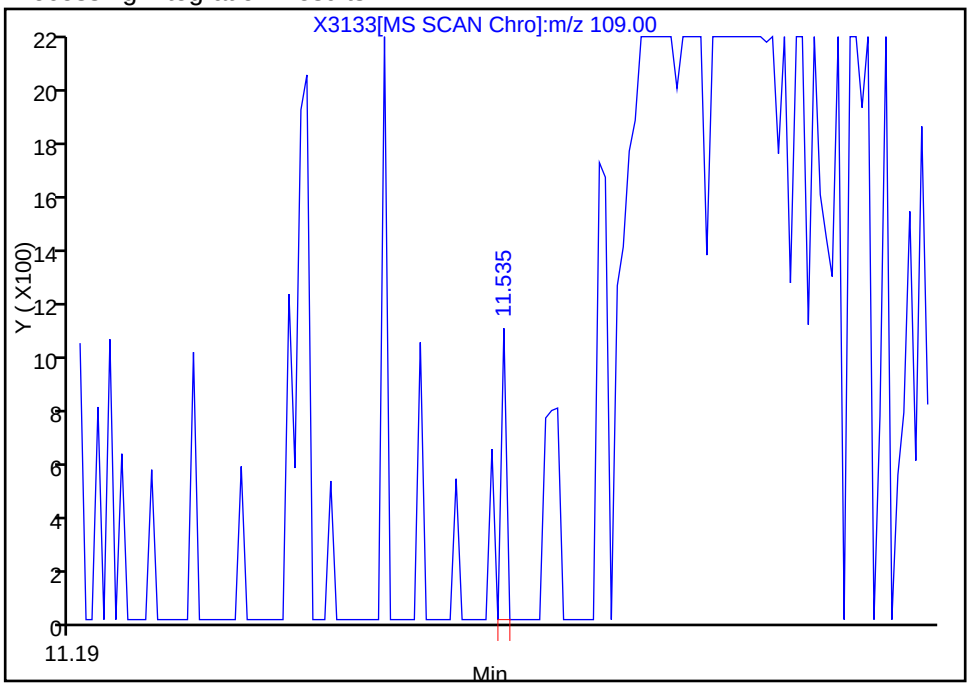
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3133.D		
Injection Date:	18-Dec-2012 12:11:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	4
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

75 4-Nitrophenol, Signal: 1, m/z: 109.0 Type: quant, RT: 11.61

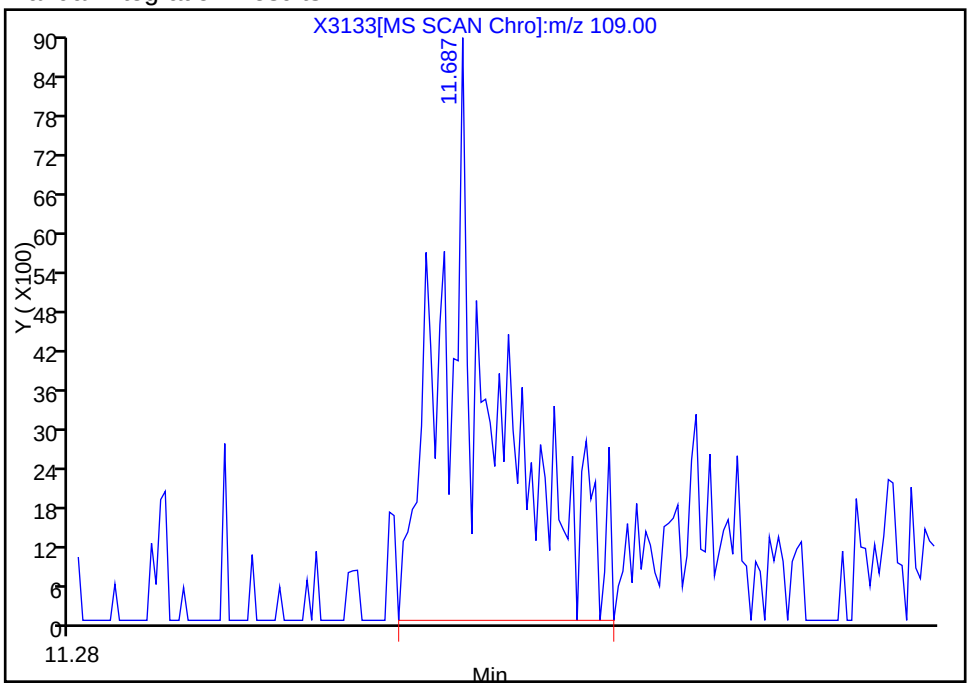
Processing Integration Results

RT: 11.53
Response: 302
Amount: 1.822509



Manual Integration Results

RT: 11.69
Response: 35867
Amount: 1.366770



Reviewer: mckernar, 18-Dec-2012 13:05:29
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

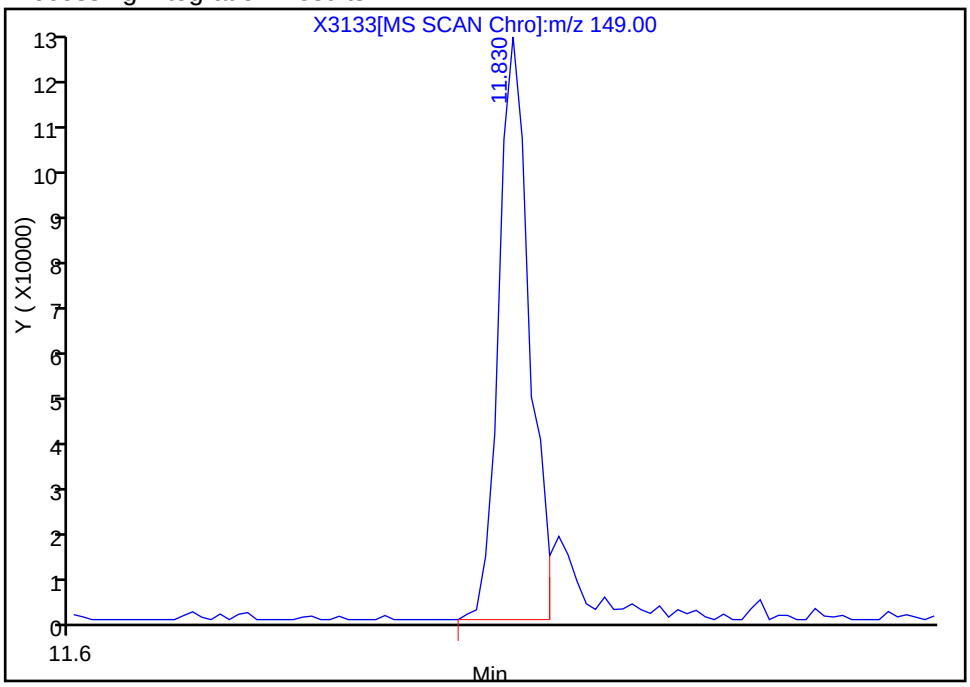
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3133.D		
Injection Date:	18-Dec-2012 12:11:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	4
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

78 Diethyl phthalate, Signal: 1, m/z: 149.0 Type: quant, RT: 11.82

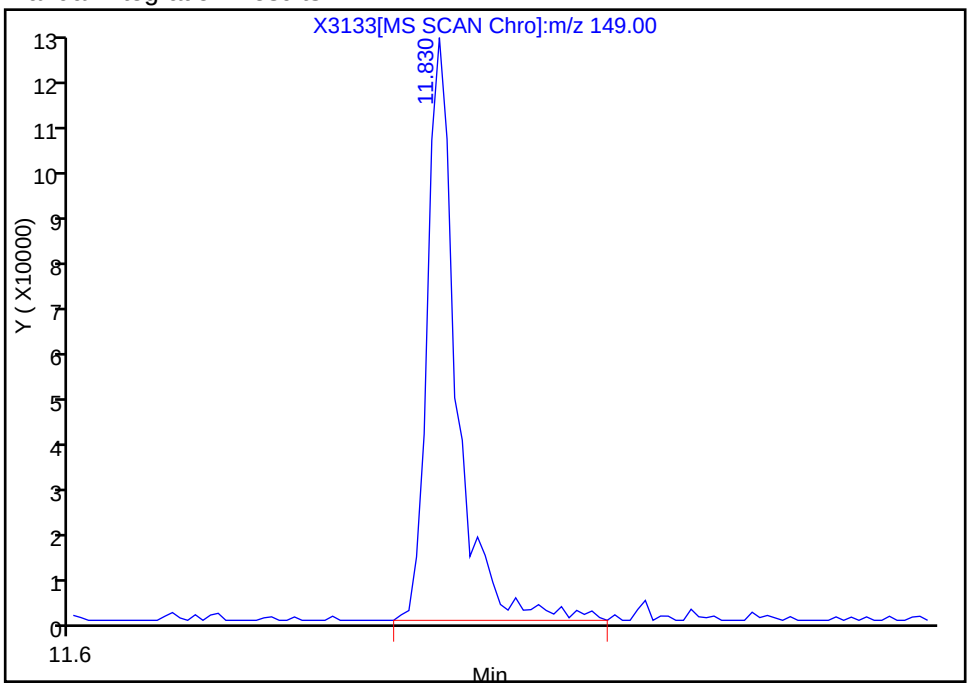
Processing Integration Results

RT: 11.83
Response: 137280
Amount: 0.987183



Manual Integration Results

RT: 11.83
Response: 157267
Amount: 1.058600



Reviewer: mckernar, 18-Dec-2012 13:05:29
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 18-Dec-2012 16:43:03 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

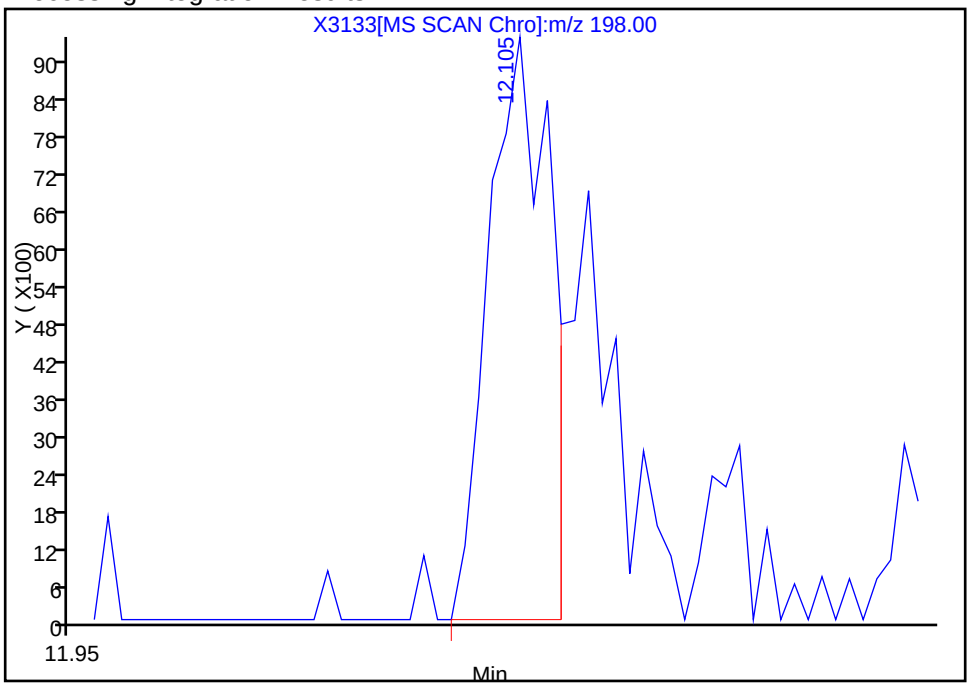
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3133.D		
Injection Date:	18-Dec-2012 12:11:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	4
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

82 4,6-Dinitro-2-methylphenol, Signal: 1, m/z: 198.0 Type: quant, RT: 12.08

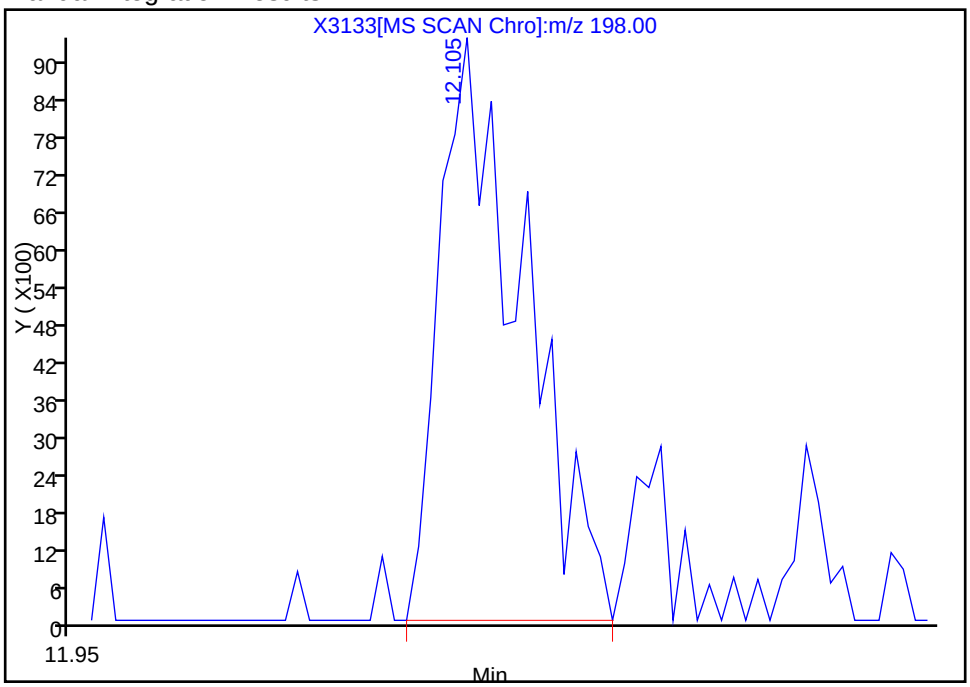
Processing Integration Results

RT: 12.11
Response: 13868
Amount: 1.753691



Manual Integration Results

RT: 12.11
Response: 21166
Amount: 1.865143



Reviewer: mckernar, 18-Dec-2012 13:05:29
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

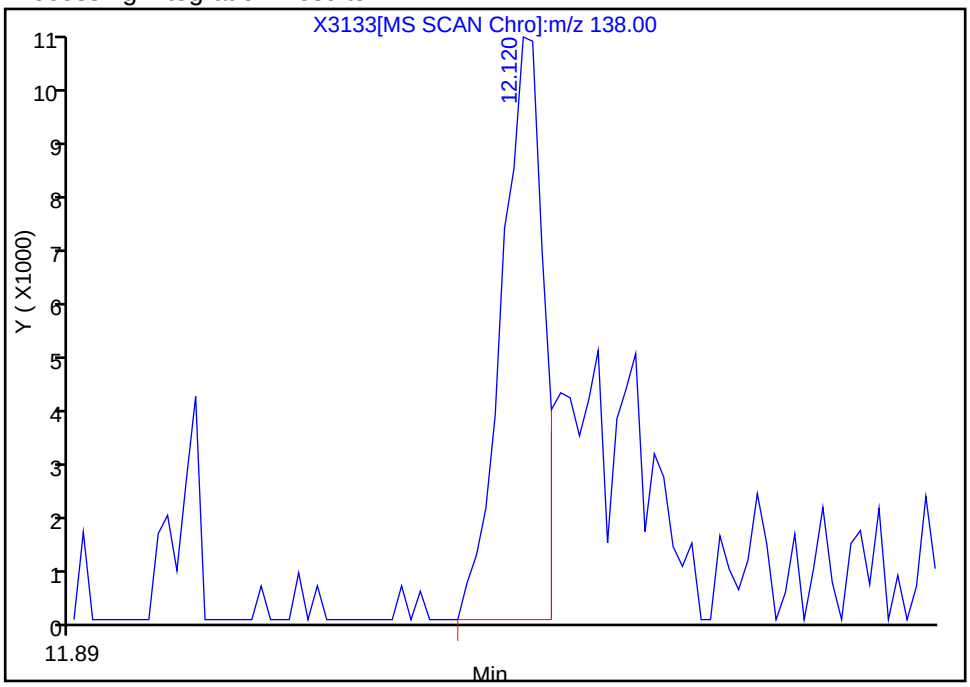
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3133.D		
Injection Date:	18-Dec-2012 12:11:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	4
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

81 4-Nitroaniline, Signal: 1, m/z: 138.0 Type: quant, RT: 12.07

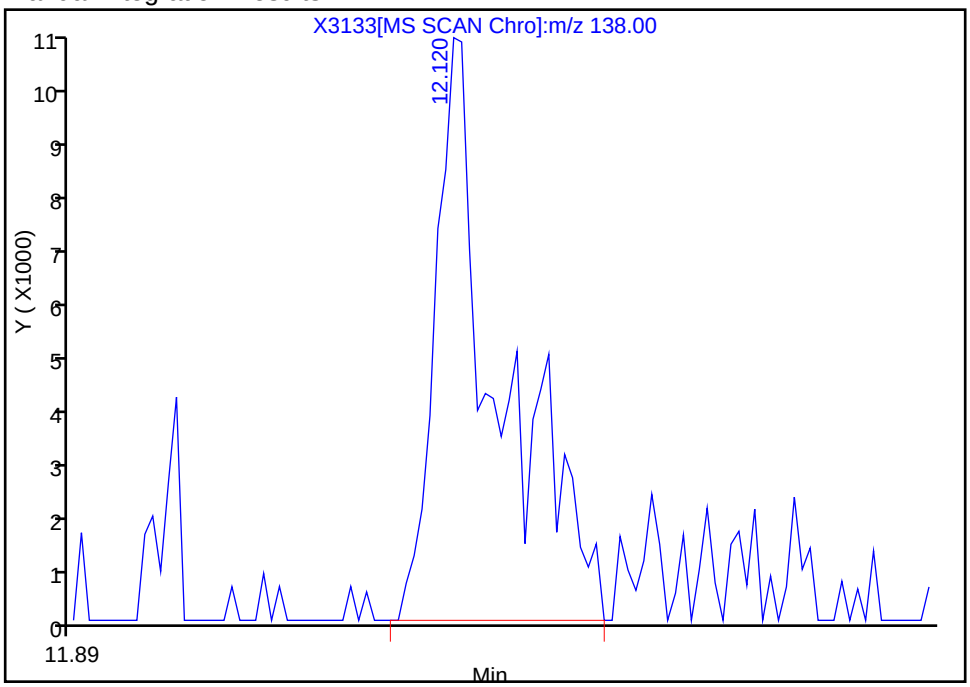
Processing Integration Results

RT: 12.12
Response: 15827
Amount: 1.856963



Manual Integration Results

RT: 12.12
Response: 28981
Amount: 1.227024



Reviewer: mckernar, 18-Dec-2012 13:05:29
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

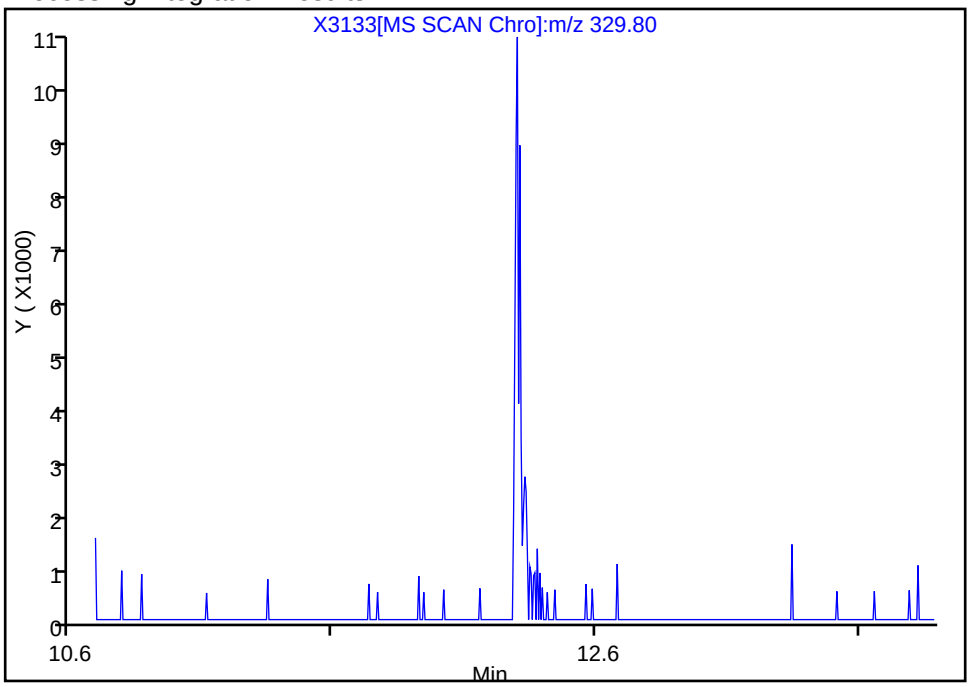
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3133.D		
Injection Date:	18-Dec-2012 12:11:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	4
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

$ 11 2,4,6-Tribromophenol, Signal: 1, m/z: 329.8 Type: quant, RT: 12.29

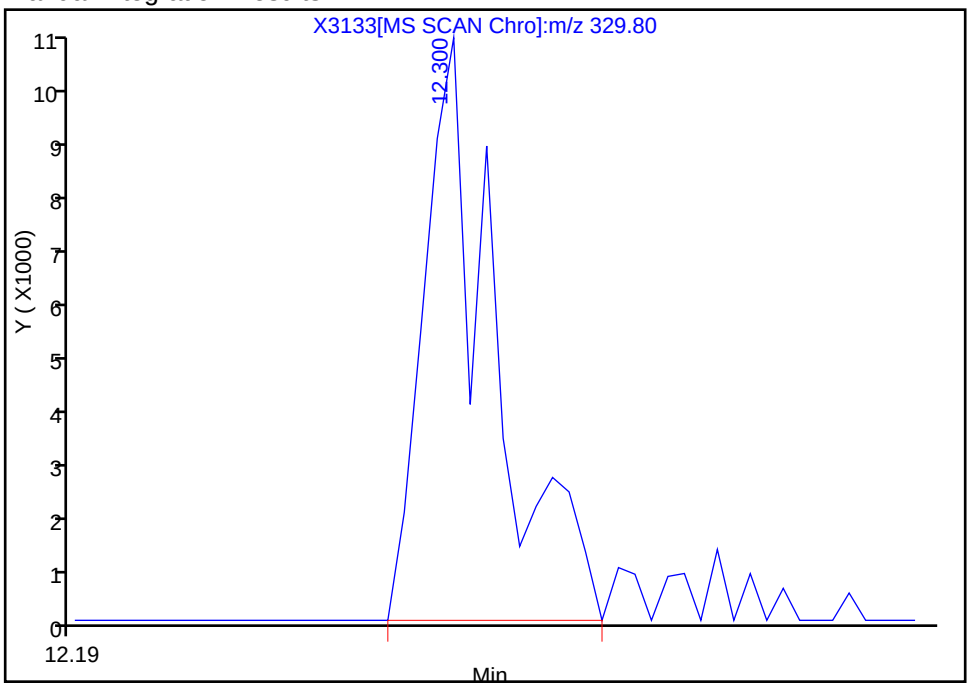
Processing Integration Results

Not Detected
Expected RT: 12.29



Manual Integration Results

RT: 12.30
Response: 15302
Amount: 0.869511



Reviewer: mckernar, 18-Dec-2012 13:05:29
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

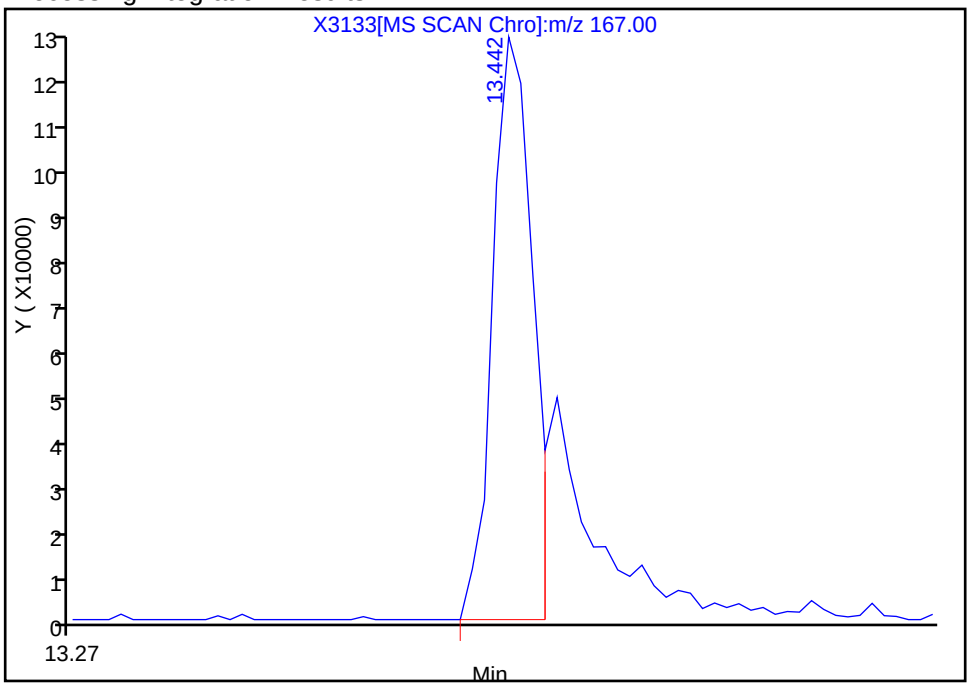
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3133.D		
Injection Date:	18-Dec-2012 12:11:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	4
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

99 Carbazole, Signal: 1, m/z: 167.0 Type: quant, RT: 13.43

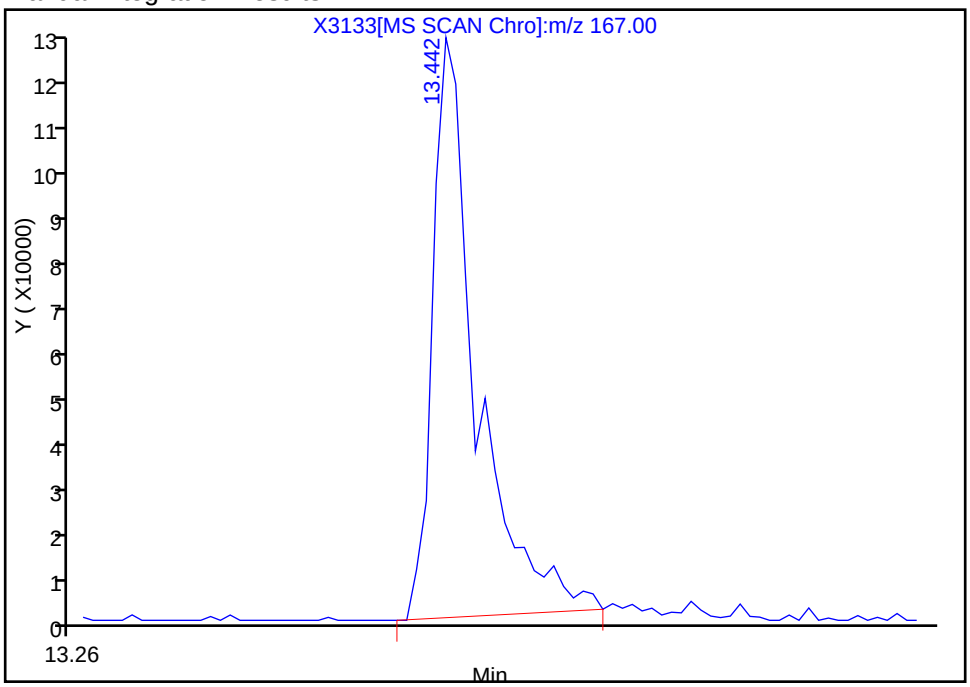
Processing Integration Results

RT: 13.44
Response: 142069
Amount: 0.836724



Manual Integration Results

RT: 13.44
Response: 190469
Amount: 0.945934



Reviewer: mckernar, 18-Dec-2012 13:05:29
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

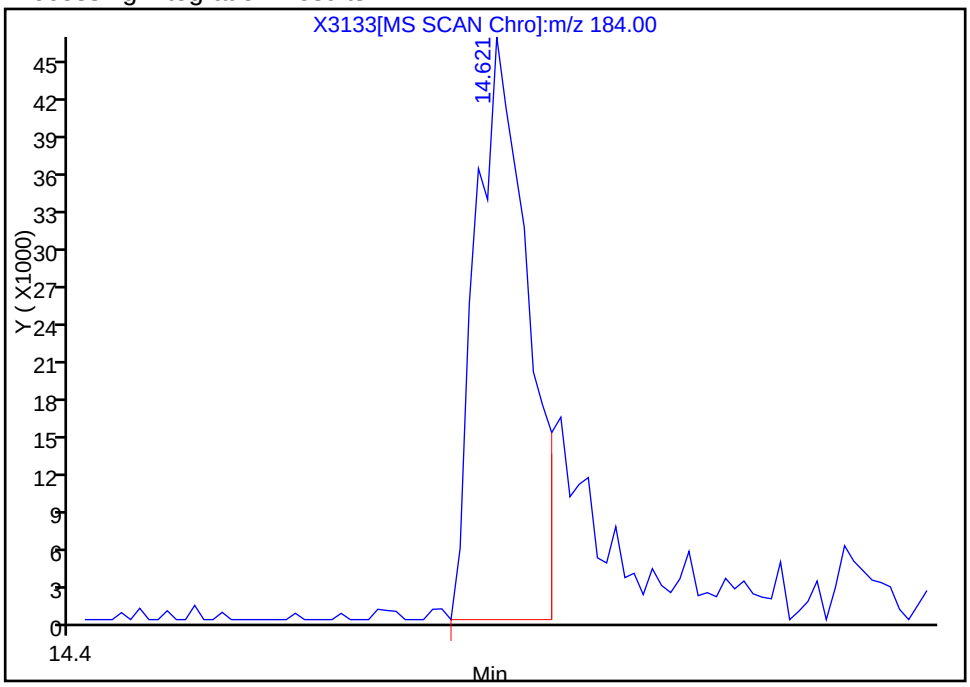
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3133.D		
Injection Date:	18-Dec-2012 12:11:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	4
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

105 Benzidine, Signal: 1, m/z: 184.0 Type: quant, RT: 14.60

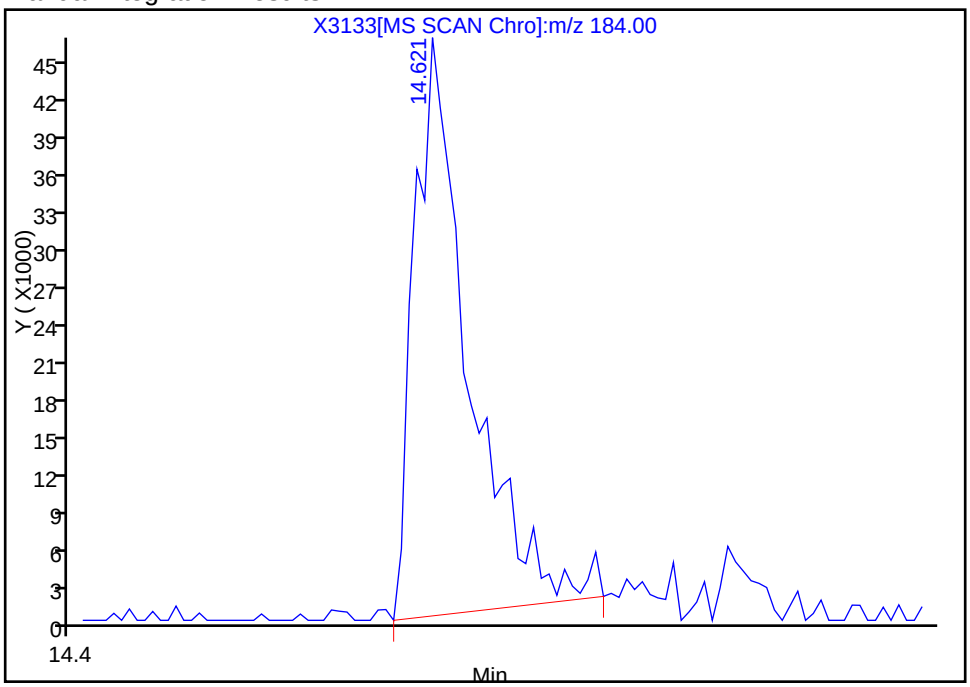
Processing Integration Results

RT: 14.62
Response: 88148
Amount: 1.000000



Manual Integration Results

RT: 14.62
Response: 107316
Amount: 1.177353



Reviewer: mckernar, 18-Dec-2012 13:05:29
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 18-Dec-2012 16:43:03 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

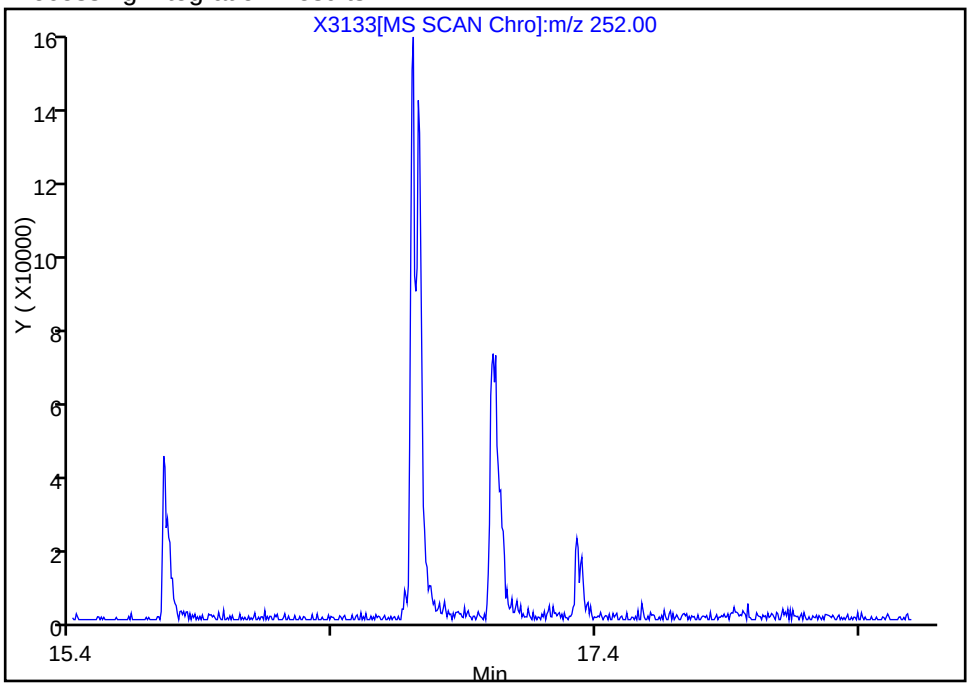
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3133.D		
Injection Date:	18-Dec-2012 12:11:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	4
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

116 Benzo[a]pyrene, Signal: 1, m/z: 252.0 Type: quant, RT: 17.00

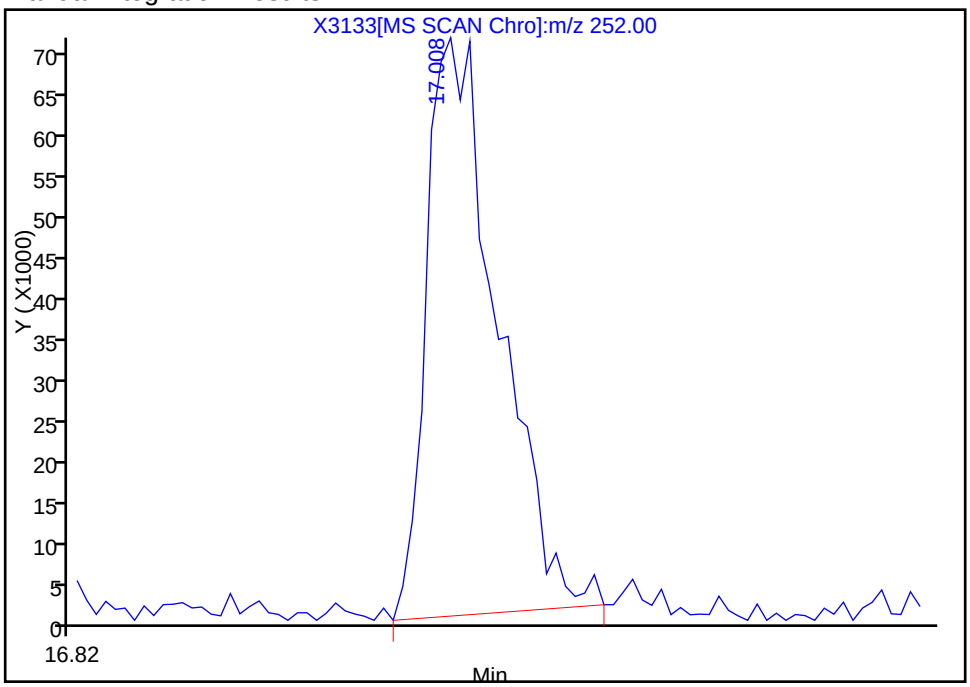
Processing Integration Results

Not Detected
Expected RT: 17.00



Manual Integration Results

RT: 17.01
Response: 174699
Amount: 0.936152



Reviewer: mckernar, 18-Dec-2012 13:05:29
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

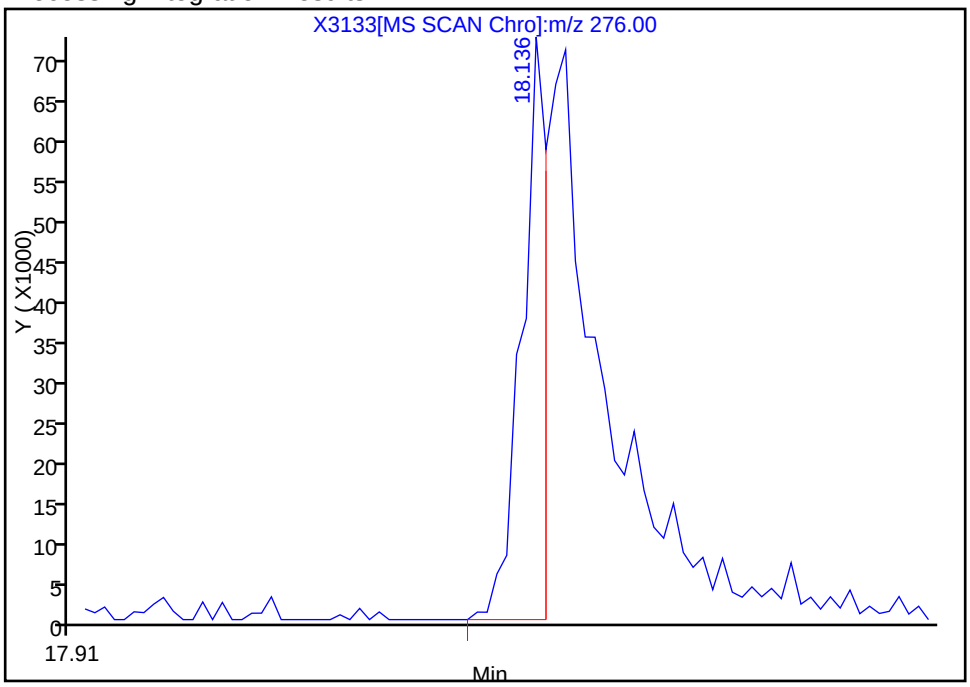
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3133.D		
Injection Date:	18-Dec-2012 12:11:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	4
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

117 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 18.15

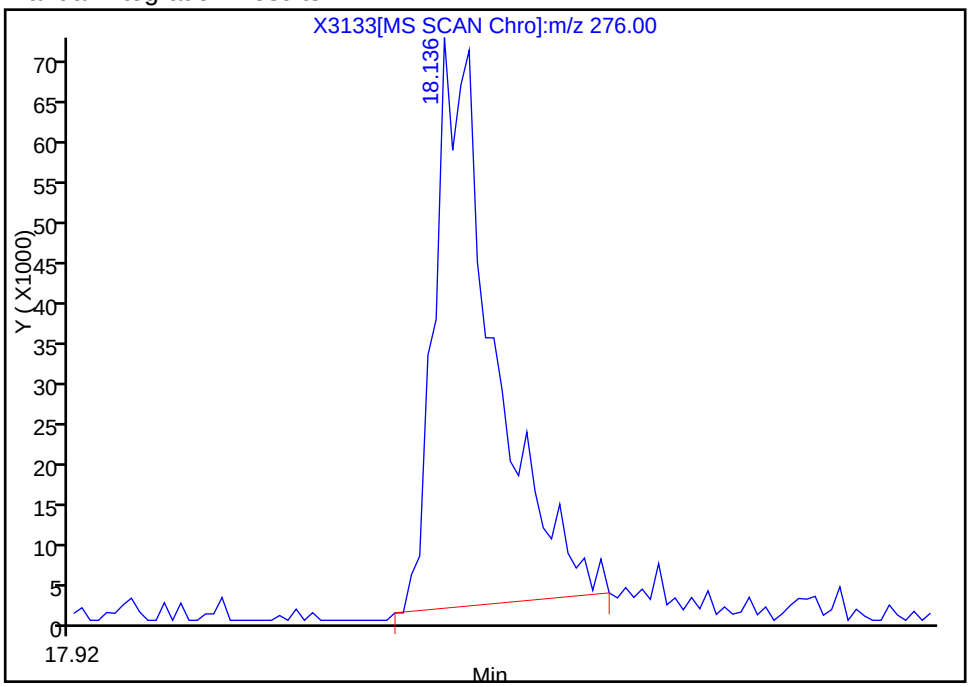
Processing Integration Results

RT: 18.14
Response: 61656
Amount: 0.467301



Manual Integration Results

RT: 18.14
Response: 167625
Amount: 0.841635



Reviewer: mckernar, 18-Dec-2012 13:05:29
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 18-Dec-2012 16:43:03 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

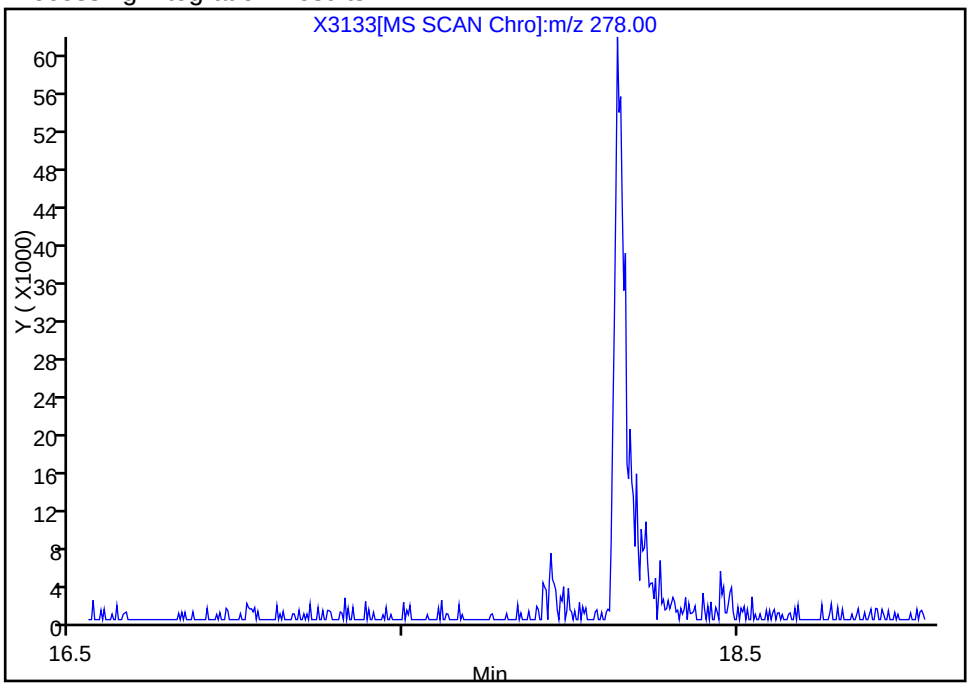
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3133.D		
Injection Date:	18-Dec-2012 12:11:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	4
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

118 Dibenz(a,h)anthracene, Signal: 1, m/z: 278.0 Type: quant, RT: 18.15

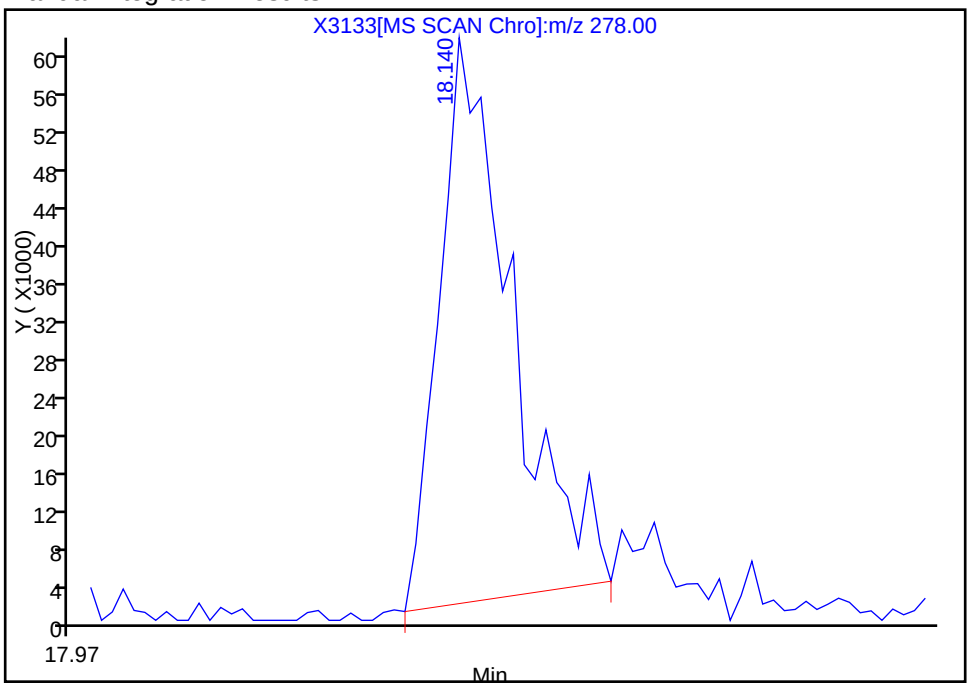
Processing Integration Results

Not Detected
Expected RT: 18.15



Manual Integration Results

RT: 18.14
Response: 129231
Amount: 0.764516



Reviewer: mckernar, 18-Dec-2012 13:05:29
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

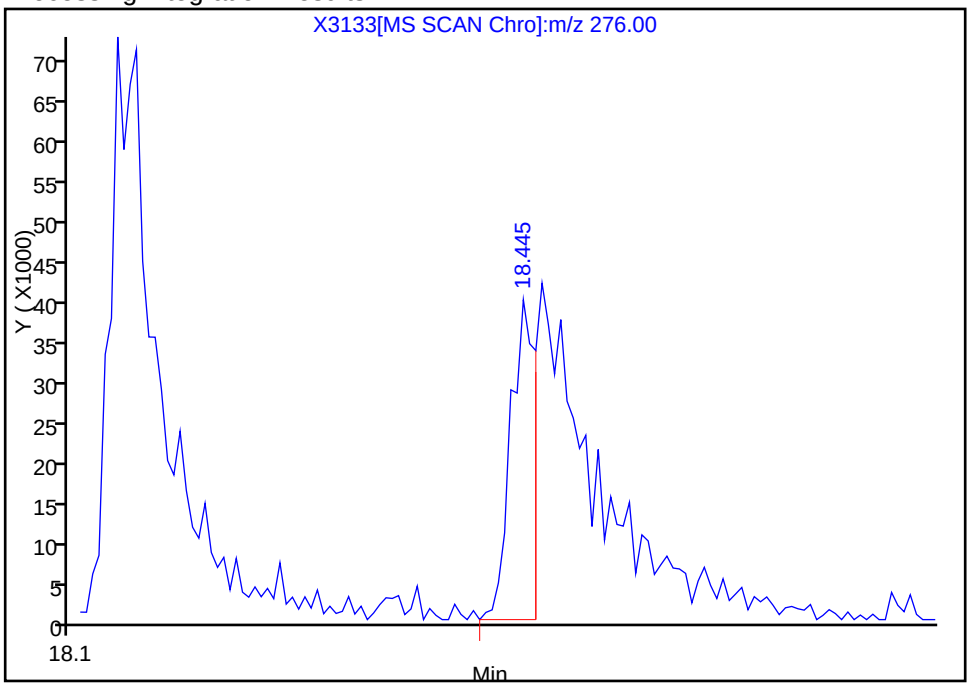
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3133.D		
Injection Date:	18-Dec-2012 12:11:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	4
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

119 Benzo[g,h,i]perylene, Signal: 1, m/z: 276.0 Type: quant, RT: 18.47

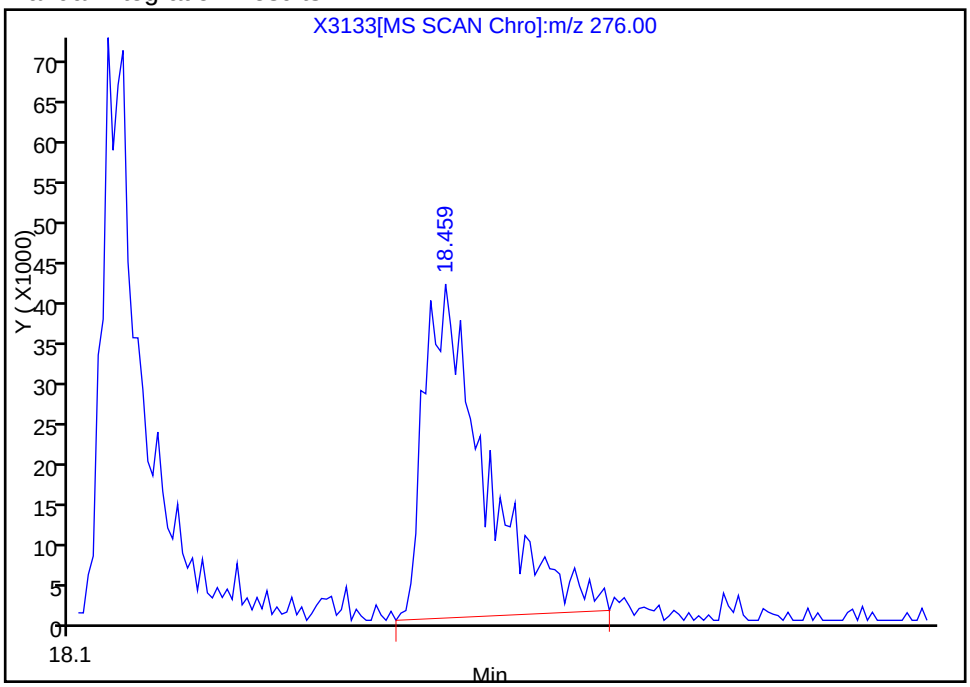
Processing Integration Results

RT: 18.44
Response: 51660
Amount: 0.499874



Manual Integration Results

RT: 18.46
Response: 168957
Amount: 1.016623



Reviewer: mckernar, 18-Dec-2012 13:05:29
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3134.D		
Lims ID:	IC - 2.5	Client ID:	
Inject. Date:	18-Dec-2012 12:36:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	480-0017654-005		
Misc. Info.:			
Operator:	ANM	Instrument ID:	HP5973X
Injection Vol:	1.0 ul	ALS Bottle#:	6
Lims Batch ID:	96347	Lims Sample ID:	5
Sublist:	chrom-X-8270LL*sub20		
Detector:	MS SCAN		

Method:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X-8270LL.m		
Last Update:	18-Dec-2012 16:43:06	Calib Date:	18-Dec-2012 14:44:30
Quant Method:	Internal Standard	Quant By:	Continuing Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3139.D		
Limit Group:	MB - 8270RCP_MCP ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm
Process Host:	XAWRK017		

First Level Reviewer: mckernar Date: 18-Dec-2012 16:43:06

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.594	6.594	0.0	85	196485	5.00	
* 2 Naphthalene-d8	136	8.486	8.486	0.0	97	777218	5.00	
* 3 Acenaphthene-d10	164	11.116	11.116	0.0	86	498099	5.00	
* 4 Phenanthrene-d10	188	13.128	13.128	0.0	94	831985	5.00	
* 5 Chrysene-d12	240	15.767	15.767	0.0	93	773124	5.00	
* 6 Perylene-d12	264	17.051	17.051	0.0	97	742660	5.00	
$ 7 2-Fluorophenol	112	4.701	4.701	0.0	66	111406	2.50	
$ 8 Phenol-d5	99	6.118	6.118	0.0	84	134813	2.48	
$ 9 Nitrobenzene-d5	82	7.435	7.435	0.0	87	149020	2.56	
$ 10 2-Fluorobiphenyl	172	10.127	10.127	0.0	93	327537	2.62	
$ 11 2,4,6-Tribromophenol	330	12.291	12.291	0.0	34	37478	2.45	
$ 12 p-Terphenyl-d14	244	14.802	14.802	0.0	92	381301	2.56	
18 1,4-Dioxane	88	2.466	2.466	0.0	65	51855	2.47	M
19 N-Nitrosodimethylamine	42	2.813	2.813	0.0	59	92572	2.58	M
20 Pyridine	52	2.908	2.908	0.0	55	100467	2.76	M
21 Benzaldehyde	77	5.961	5.961	0.0	87	113145	2.94	
23 Aniline	93	6.128	6.128	0.0	92	203774	2.83	
22 Phenol	94	6.142	6.142	0.0	44	163955	2.74	M
24 Bis(2-chloroethyl)ether	93	6.223	6.223	0.0	91	124678	2.65	
25 2-Chlorophenol	128	6.294	6.294	0.0	94	139058	2.73	
26 1,3-Dichlorobenzene	146	6.503	6.503	0.0	94	167759	2.66	
27 1,4-Dichlorobenzene	146	6.622	6.622	0.0	69	182861	2.90	
29 1,2-Dichlorobenzene	146	6.841	6.841	0.0	81	166114	2.83	
28 Benzyl alcohol	108	6.846	6.846	0.0	68	51260	3.22	M
32 2,2'-oxybis[1-chloropropane]	45	7.022	7.022	0.0	71	206722	2.70	
31 2-Methylphenol	108	7.031	7.031	0.0	66	114323	2.68	
33 Acetophenone	105	7.212	7.212	0.0	89	194399	2.67	
34 N-Nitrosodi-n-propylamine	70	7.217	7.217	0.0	87	99867	2.73	
36 4-Methylphenol	108	7.288	7.288	0.0	73	102383	2.37	M

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
37 Hexachloroethane	117	7.331	7.331	0.0	92	73168	2.89	
38 Nitrobenzene	77	7.464	7.464	0.0	78	166093	2.75	
40 Isophorone	82	7.821	7.821	0.0	75	248371	2.50	
41 2-Nitrophenol	139	7.939	7.939	0.0	93	67259	2.44	
43 2,4-Dimethylphenol	107	8.058	8.058	0.0	84	135144	2.60	M
45 Bis(2-chloroethoxy)methane	93	8.177	8.177	0.0	93	150792	2.56	
44 Benzoic acid	105	8.268	8.268	0.0	84	89300	3.85	M
47 2,4-Dichlorophenol	162	8.358	8.358	0.0	0	111825	2.65	M
48 1,2,4-Trichlorobenzene	180	8.410	8.410	0.0	92	128556	2.48	
49 Naphthalene	128	8.520	8.520	0.0	91	448321	2.60	
51 4-Chloroaniline	127	8.662	8.662	0.0	91	156755	2.52	M
52 Hexachlorobutadiene	225	8.710	8.710	0.0	74	77304	2.72	
54 Caprolactam	113	9.209	9.209	0.0	61	45612	2.97	M
55 4-Chloro-3-methylphenol	107	9.466	9.466	0.0	60	135114	2.89	M
56 2-Methylnaphthalene	142	9.566	9.566	0.0	76	307828	2.55	
57 1-Methylnaphthalene	142	9.709	9.709	0.0	88	285503	2.57	
58 Hexachlorocyclopentadiene	237	9.794	9.794	0.0	68	25663	1.58	
59 1,2,4,5-Tetrachlorobenzene	216	9.818	9.818	0.0	85	136160	2.91	
60 2,4,6-Trichlorophenol	196	10.037	10.037	0.0	76	72851	2.53	M
61 2,4,5-Trichlorophenol	196	10.146	10.146	0.0	72	73198	2.63	M
62 1,1'-Biphenyl	154	10.274	10.274	0.0	98	378332	2.63	
63 2-Chloronaphthalene	162	10.317	10.317	0.0	88	323689	2.53	
64 Phenyl ether	170	10.436	10.436	0.0	90	206565	2.64	
65 2-Nitroaniline	65	10.512	10.512	0.0	82	71533	2.17	
66 1,4-Dinitrobenzene	75	10.755	10.755	0.0	76	62491	0	M
67 Dimethyl phthalate	163	10.779	10.779	0.0	88	340849	2.64	
68 2,6-Dinitrotoluene	165	10.864	10.864	0.0	88	146693	2.51	
69 Acenaphthylene	152	10.907	10.907	0.0	81	462652	2.66	
70 3-Nitroaniline	138	11.159	11.159	0.0	1	74904	2.58	M
71 Acenaphthene	153	11.169	11.169	0.0	89	302406	2.49	
72 2,4-Dinitrophenol	184	11.349	11.349	0.0	40	35900	3.89	M
73 Dibenzofuran	168	11.440	11.440	0.0	98	406272	2.75	
74 2,4-Dinitrotoluene	165	11.492	11.492	0.0	1	82195	2.20	
75 4-Nitrophenol	109	11.611	11.611	0.0	26	117392	4.71	M
76 2,3,4,6-Tetrachlorophenol	232	11.668	11.668	0.0	68	68881	3.08	M
78 Diethyl phthalate	149	11.825	11.825	0.0	93	375633	2.66	
79 Fluorene	166	11.934	11.934	0.0	94	356637	2.63	
80 4-Chlorophenyl phenyl ether	204	11.953	11.953	0.0	84	144079	2.40	
81 4-Nitroaniline	138	12.067	12.067	0.0	77	71047	2.52	M
82 4,6-Dinitro-2-methylphenol	198	12.082	12.082	0.0	62	63572	3.78	
84 Diphenylamine	169	12.124	12.124	0.0	96	553188	2.86	
83 N-Nitrosodiphenylamine	169	12.124	12.124	0.0	96	553188	2.86	
16 1,2-Diphenylhydrazine	77	12.167	12.167	0.0	94	326470	2.61	
85 Azobenzene	77	12.167	12.167	0.0	95	326470	2.62	
86 Benzophenone	105	12.191	12.191	0.0	97	328414	2.77	
89 4-Bromophenyl phenyl ether	248	12.595	12.595	0.0	82	81359	2.61	
91 Hexachlorobenzene	284	12.652	12.652	0.0	69	87913	2.72	
92 Simazine	201	12.809	12.809	0.0	76	42920	0	
93 Atrazine	200	12.838	12.838	0.0	78	191176	5.10	
95 Pentachloronitrobenzene	237	12.923	12.923	0.0	56	34231	2.23	
94 Pentachlorophenol	266	12.933	12.933	0.0	52	54999	4.13	
97 Phenanthrene	178	13.156	13.156	0.0	92	518661	2.80	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
98 Anthracene	178	13.218	13.218	0.0	94	507614	2.69	
99 Carbazole	167	13.427	13.427	0.0	98	459119	2.62	
101 Alachlor	160	13.565	13.565	0.0	88	93462	0	
102 Di-n-butyl phthalate	149	13.803	13.803	0.0	96	589349	2.90	
104 Fluoranthene	202	14.431	14.431	0.0	96	506028	2.76	
105 Benzidine	184	14.597	14.597	0.0	99	241214	2.82	
106 Pyrene	202	14.654	14.654	0.0	97	527811	2.55	
107 Famphur	218	15.201	15.201	0.0	79	177139	0	
108 Butyl benzyl phthalate	149	15.244	15.244	0.0	92	281281	2.46	
110 Bis(2-ethylhexyl) phthalate	149	15.734	15.734	0.0	95	384752	2.44	
109 3,3'-Dichlorobenzidine	252	15.743	15.743	0.0	81	174974	2.52	
111 Benzo[a]anthracene	228	15.753	15.753	0.0	93	384718	2.31	
112 Chrysene	228	15.791	15.791	0.0	87	491288	2.60	
113 Di-n-octyl phthalate	149	16.271	16.271	0.0	97	617182	2.48	
114 Benzo[b]fluoranthene	252	16.695	16.695	0.0	90	421949	2.45	
115 Benzo[k]fluoranthene	252	16.718	16.718	0.0	99	489235	2.75	
116 Benzo[a]pyrene	252	17.004	17.004	0.0	69	433943	2.60	
118 Dibenz(a,h)anthracene	278	18.150	18.150	0.0	47	361538	2.39	M
117 Indeno[1,2,3-cd]pyrene	276	18.150	18.150	0.0	93	413973	2.33	
119 Benzo[g,h,i]perylene	276	18.468	18.468	0.0	89	331317	2.23	M
S 121 3-Methylphenol	1		0.000					

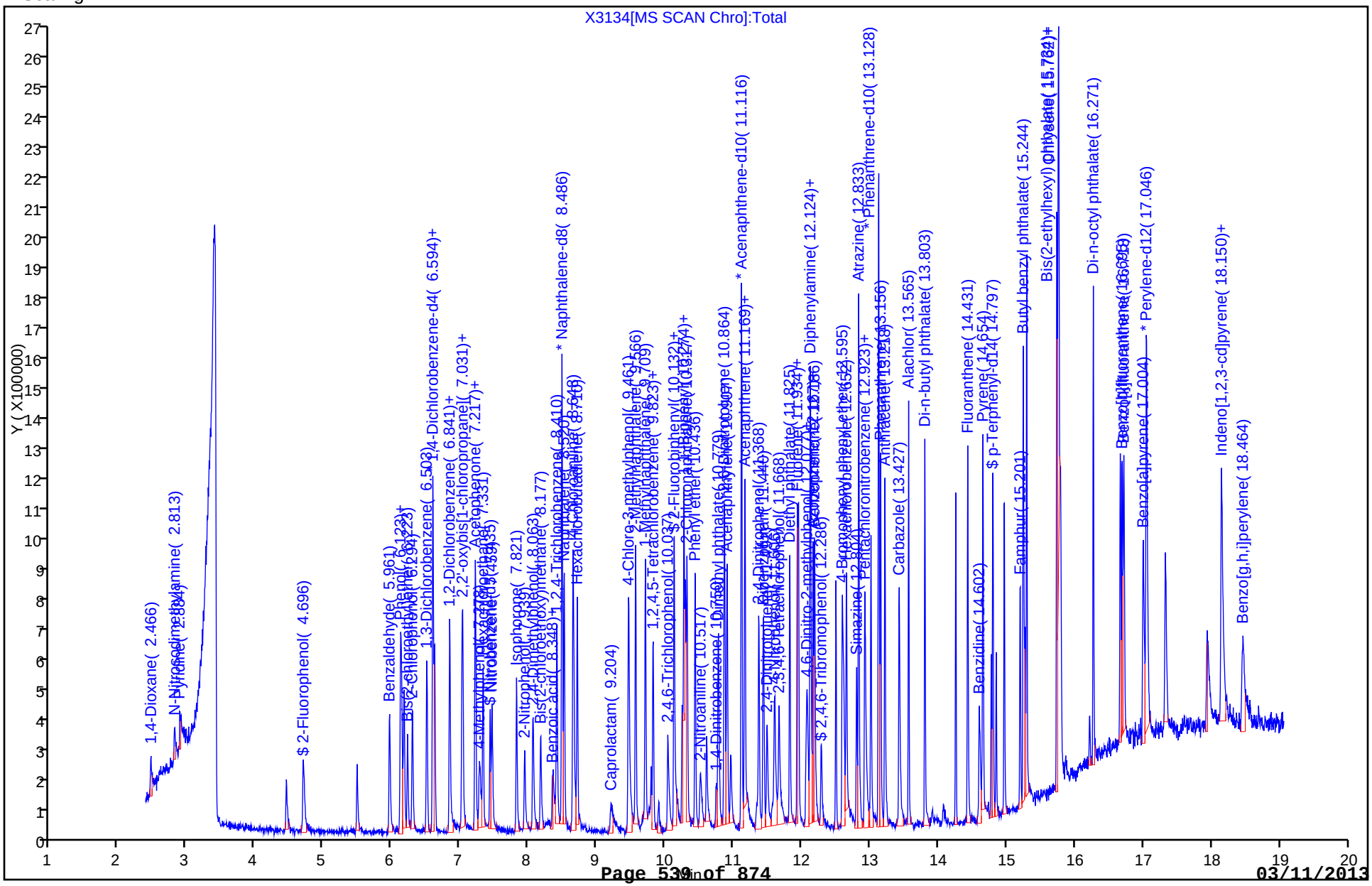
QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 18-Dec-2012 16:43:07 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3134.D		
Injection Date:	18-Dec-2012 12:36:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	5
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm
Y Scaling:			



Report Date: 18-Dec-2012 16:43:07 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

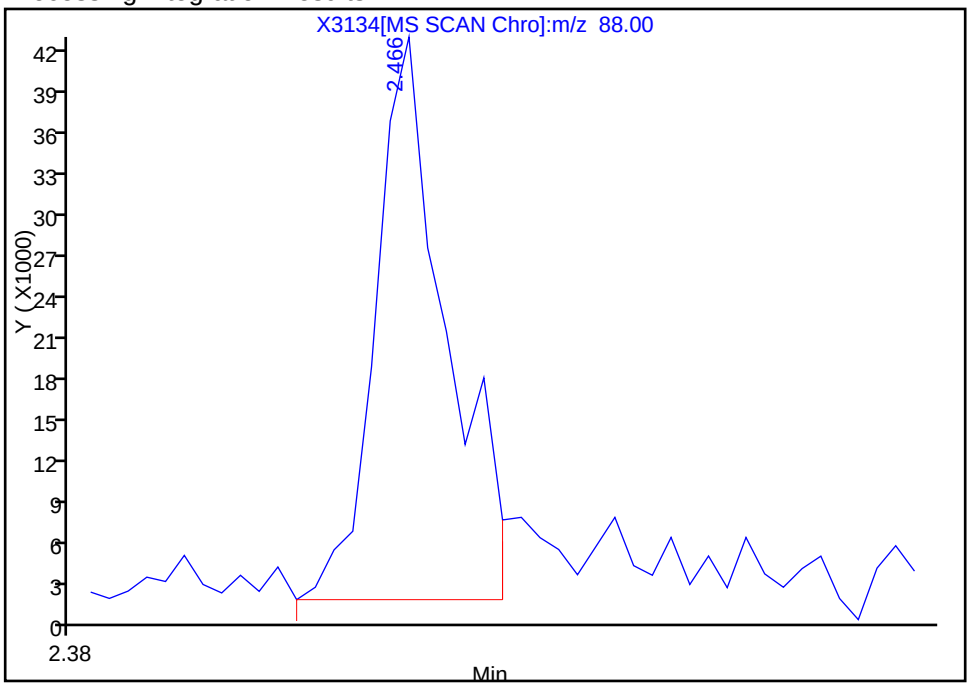
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3134.D		
Injection Date:	18-Dec-2012 12:36:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	5
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

18 1,4-Dioxane, Signal: 1, m/z: 88.0 Type: quant, RT: 2.47

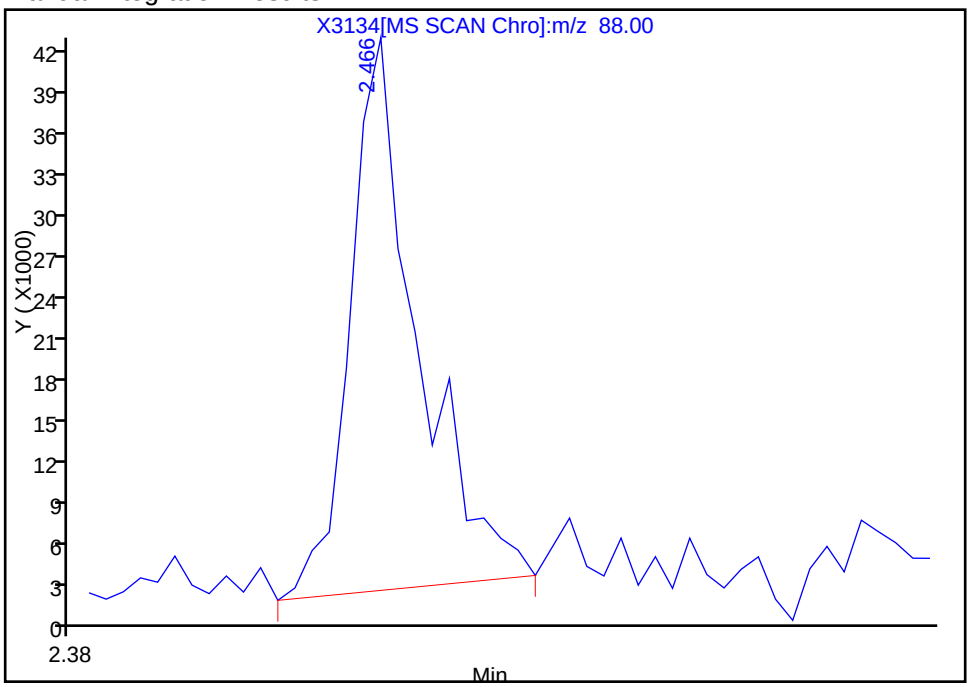
Processing Integration Results

RT: 2.47
Response: 51431
Amount: 1.549083



Manual Integration Results

RT: 2.47
Response: 51855
Amount: 2.470612



Reviewer: mckernar, 18-Dec-2012 13:08:06
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 18-Dec-2012 16:43:07 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

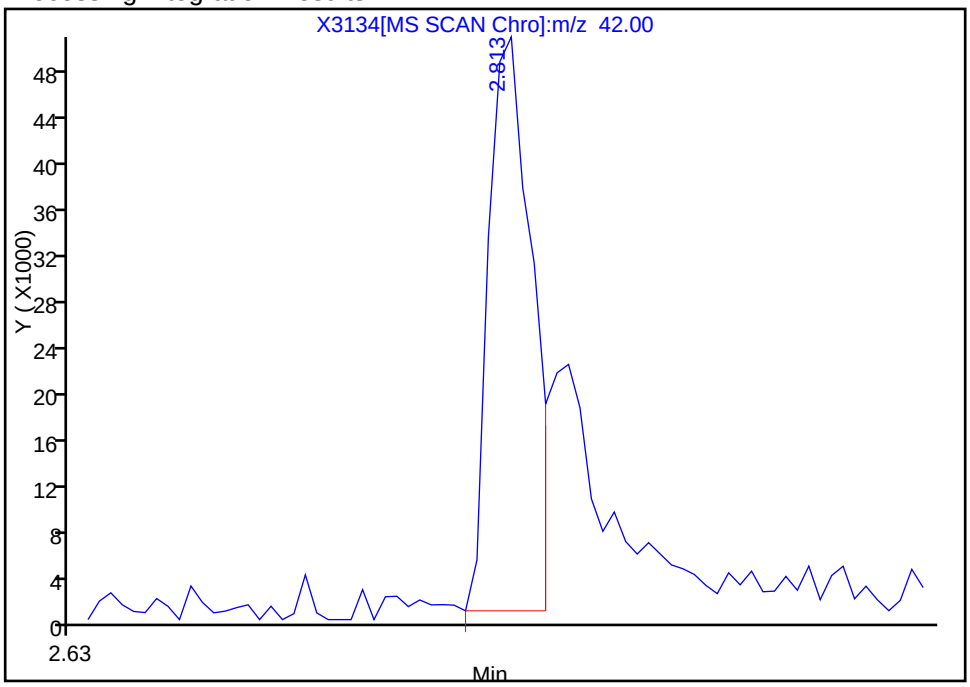
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3134.D		
Injection Date:	18-Dec-2012 12:36:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	5
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

19 N-Nitrosodimethylamine, Signal: 1, m/z: 42.0 Type: quant, RT: 2.81

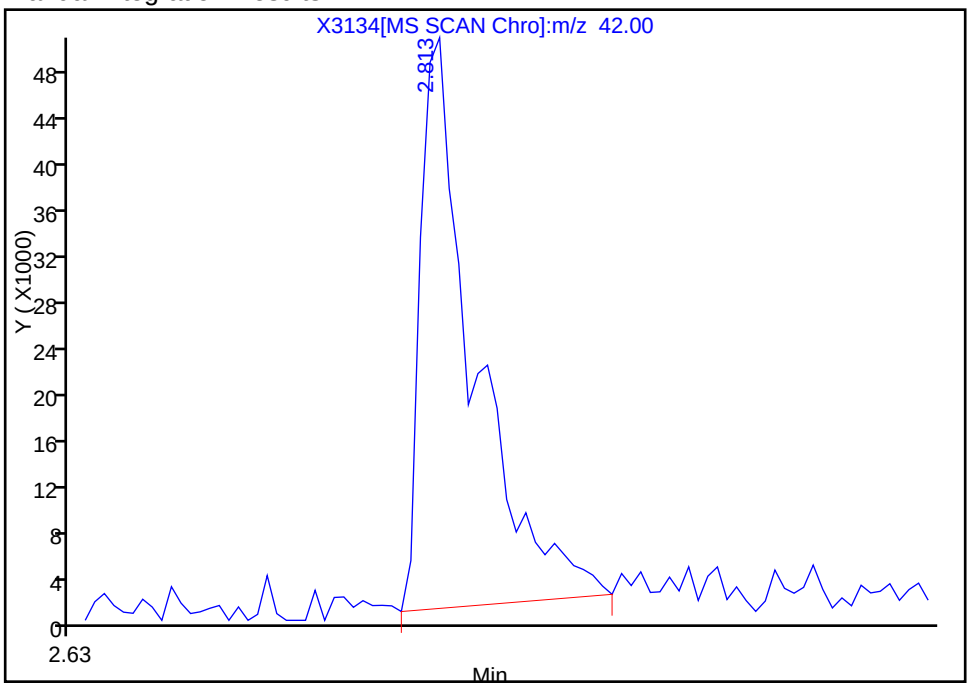
Processing Integration Results

RT: 2.81
Response: 62778
Amount: 1.983198



Manual Integration Results

RT: 2.81
Response: 92572
Amount: 2.578800



Reviewer: mckernar, 18-Dec-2012 13:08:06
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 18-Dec-2012 16:43:07 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

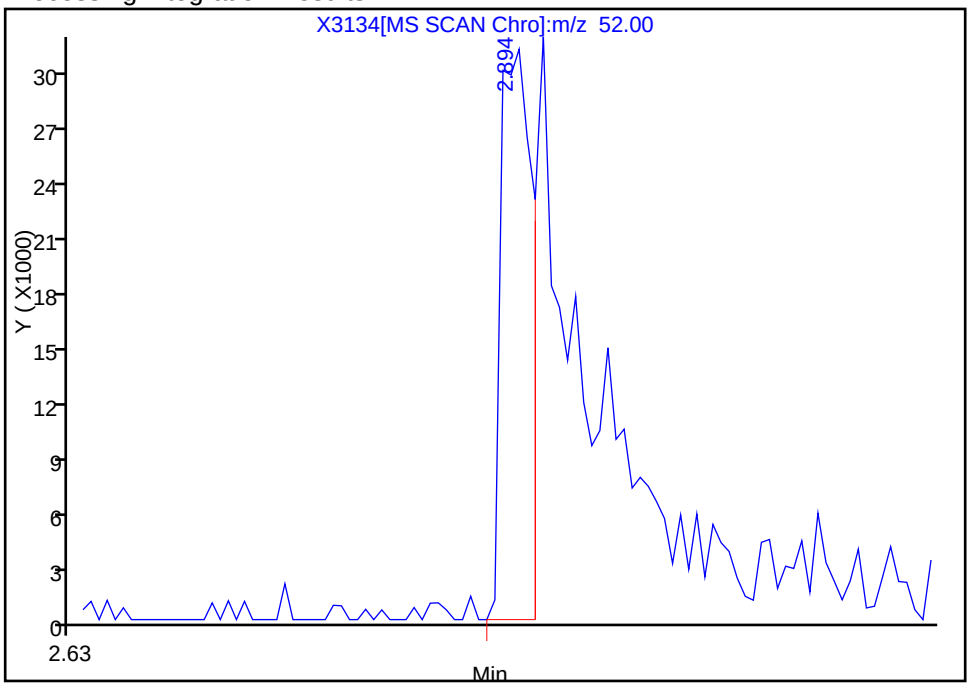
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3134.D		
Injection Date:	18-Dec-2012 12:36:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	5
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

20 Pyridine, Signal: 1, m/z: 52.0 Type: quant, RT: 2.91

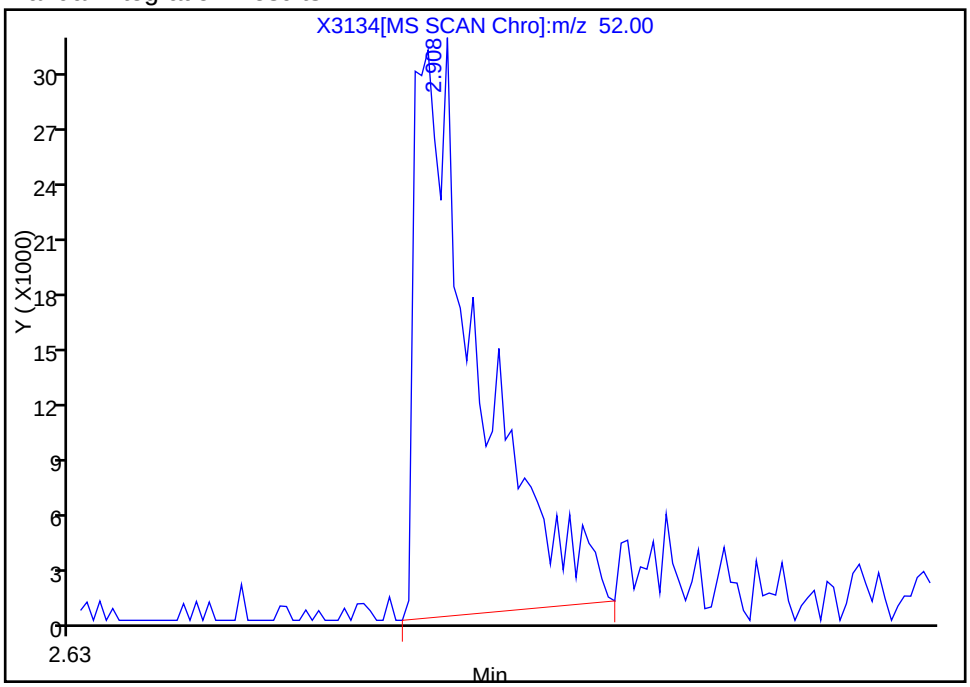
Processing Integration Results

RT: 2.89
Response: 39357
Amount: 1.507499



Manual Integration Results

RT: 2.91
Response: 100467
Amount: 2.756286



Reviewer: mckernar, 18-Dec-2012 13:08:06
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 18-Dec-2012 16:43:07 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

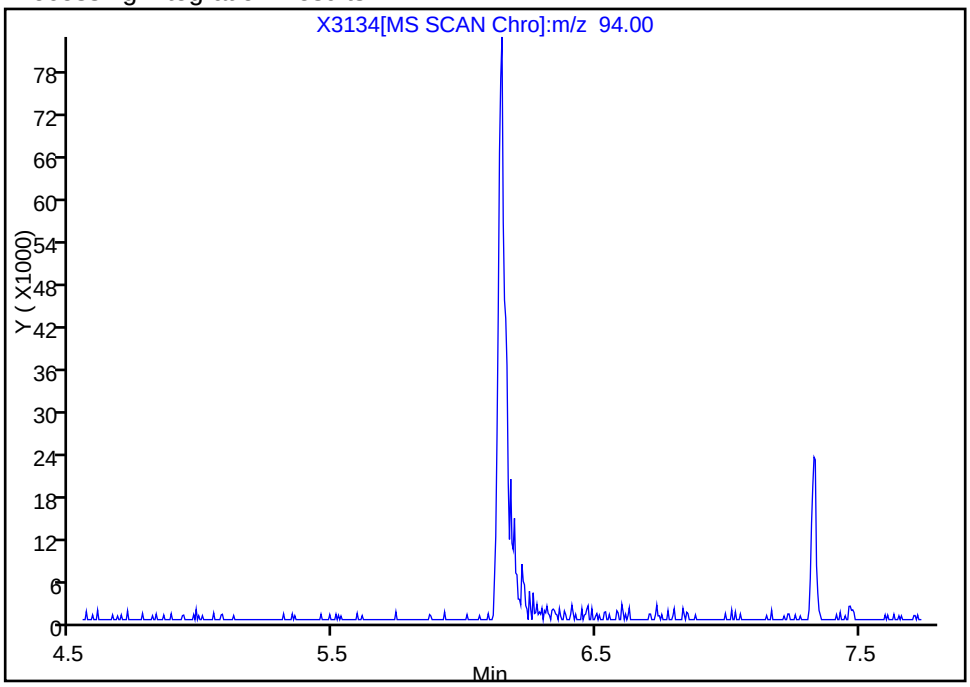
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3134.D		
Injection Date:	18-Dec-2012 12:36:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	5
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

22 Phenol, Signal: 1, m/z: 94.0 Type: quant, RT: 6.14

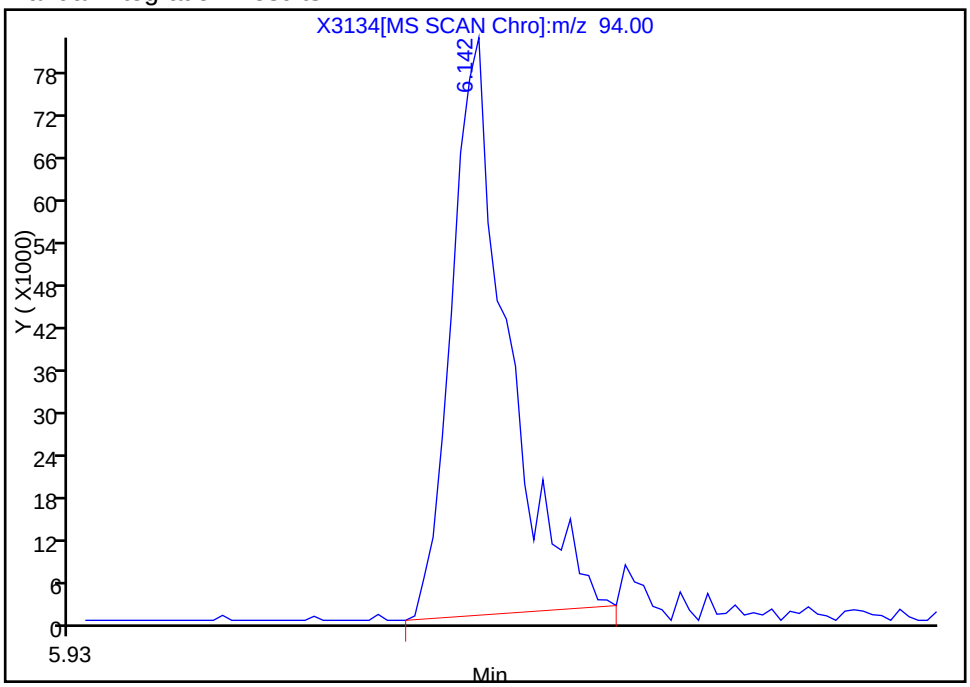
Processing Integration Results

Not Detected
Expected RT: 6.14



Manual Integration Results

RT: 6.14
Response: 163955
Amount: 2.739343



Reviewer: mckernar, 18-Dec-2012 13:08:06
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Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

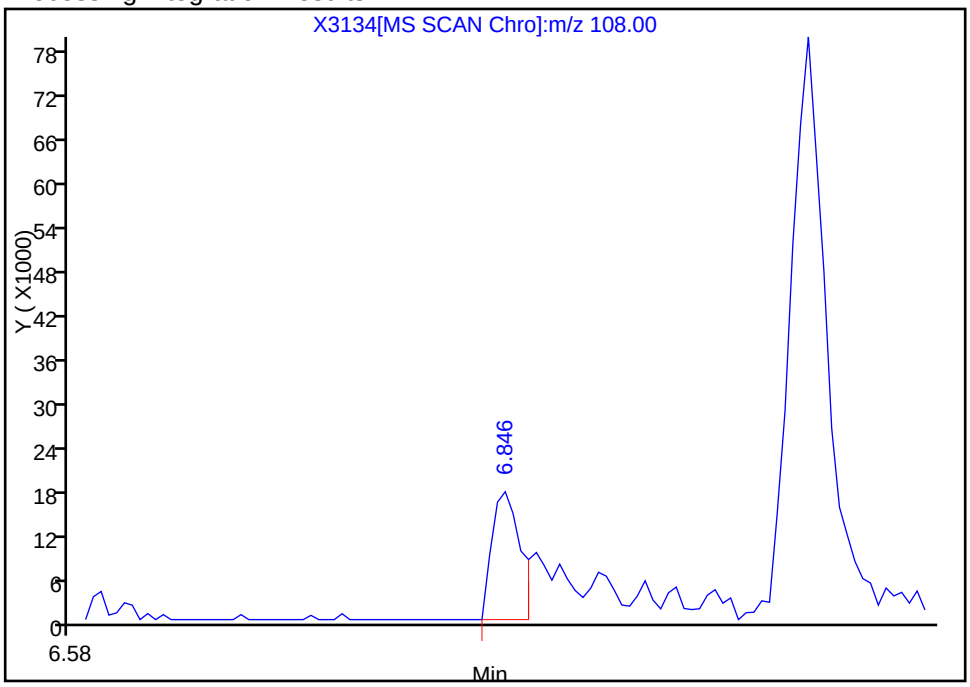
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3134.D		
Injection Date:	18-Dec-2012 12:36:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	5
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

28 Benzyl alcohol, Signal: 1, m/z: 108.0 Type: quant, RT: 6.85

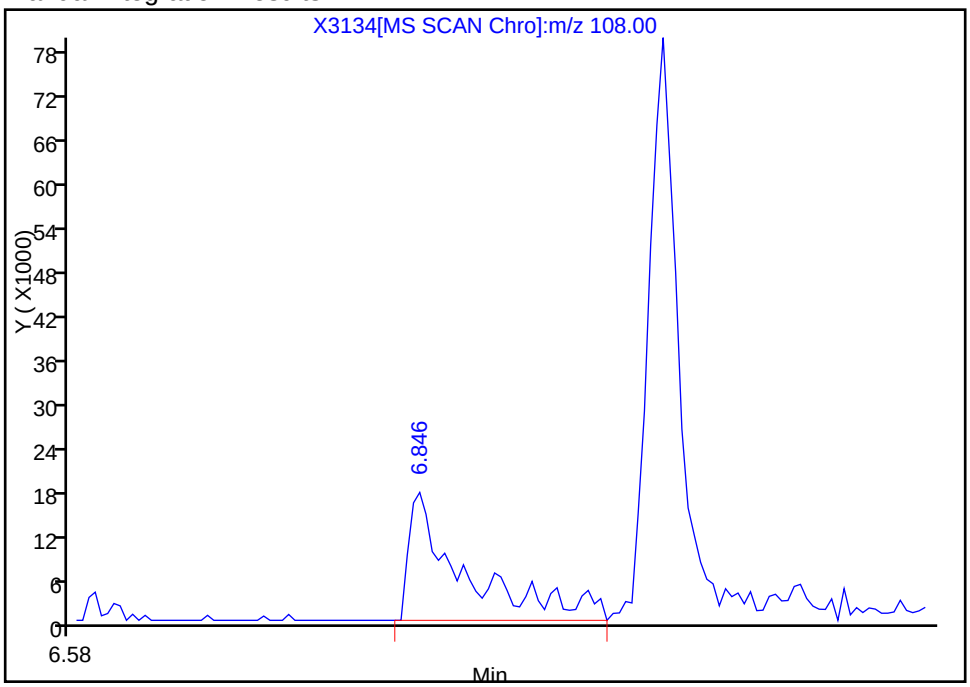
Processing Integration Results

RT: 6.85
Response: 21339
Amount: 4.282711



Manual Integration Results

RT: 6.85
Response: 51260
Amount: 3.215360



Reviewer: mckernar, 18-Dec-2012 13:08:06
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 18-Dec-2012 16:43:07 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

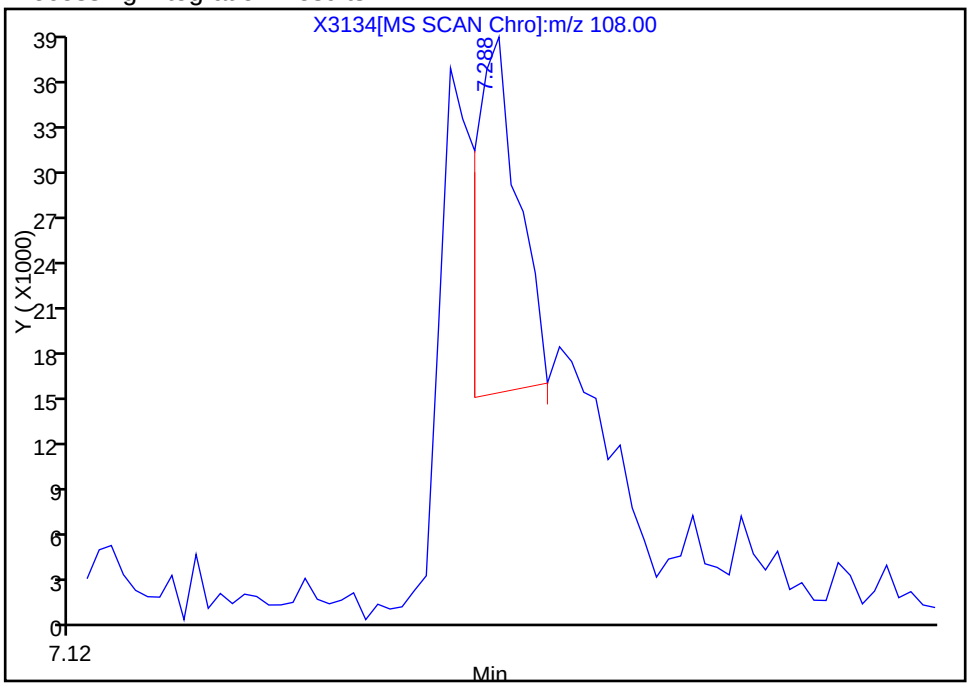
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3134.D		
Injection Date:	18-Dec-2012 12:36:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	5
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

36 4-Methylphenol, Signal: 1, m/z: 108.0 Type: quant, RT: 7.29

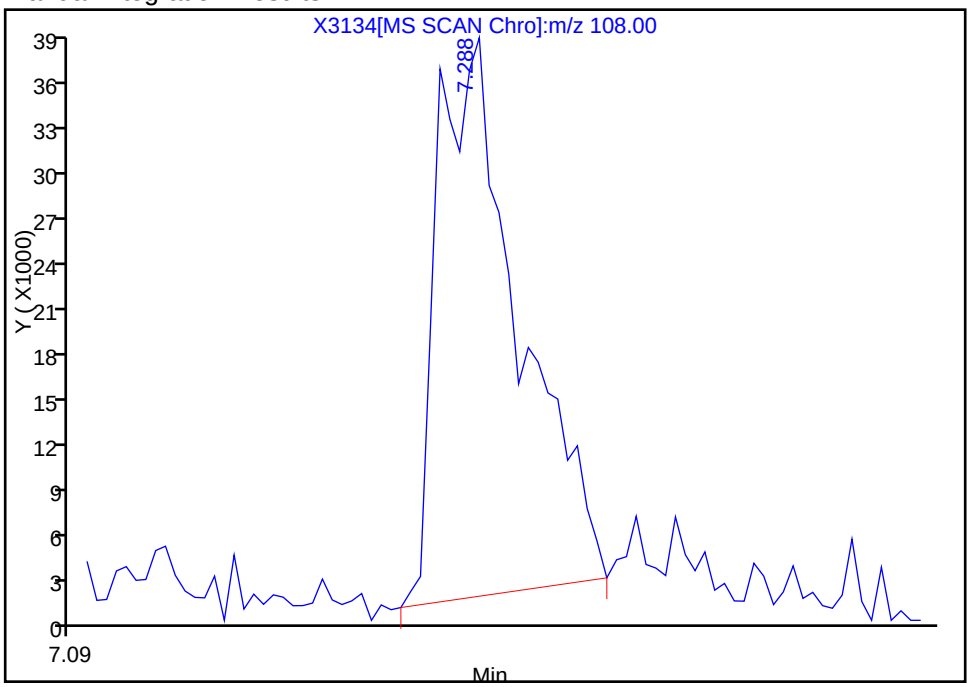
Processing Integration Results

RT: 7.29
Response: 26989
Amount: 1.177715



Manual Integration Results

RT: 7.29
Response: 102383
Amount: 2.366947



Reviewer: mckernar, 18-Dec-2012 13:08:06
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

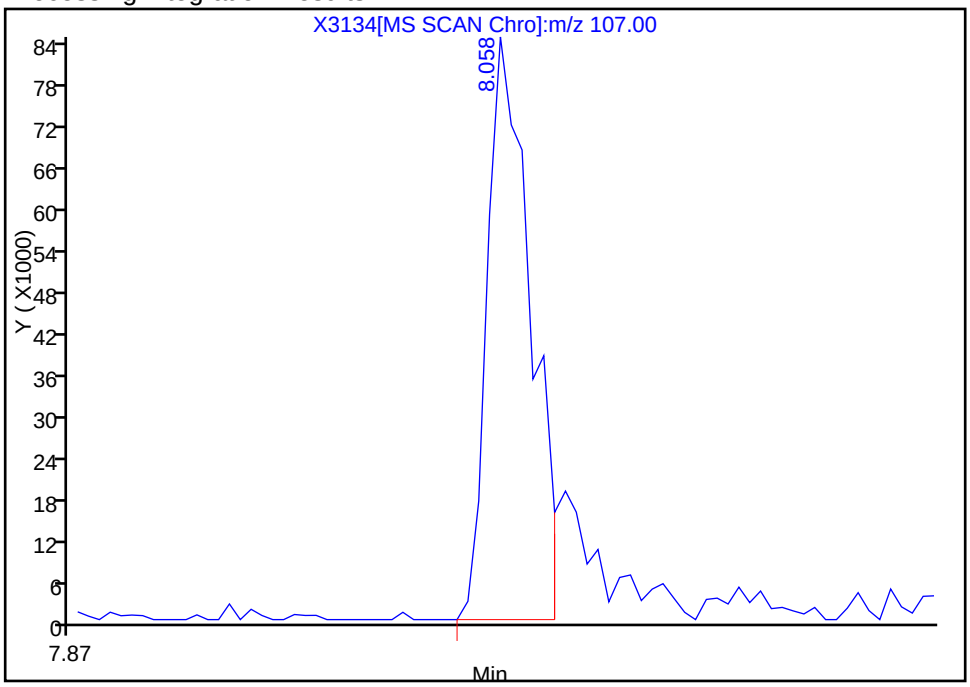
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3134.D		
Injection Date:	18-Dec-2012 12:36:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	5
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

43 2,4-Dimethylphenol, Signal: 1, m/z: 107.0 Type: quant, RT: 8.06

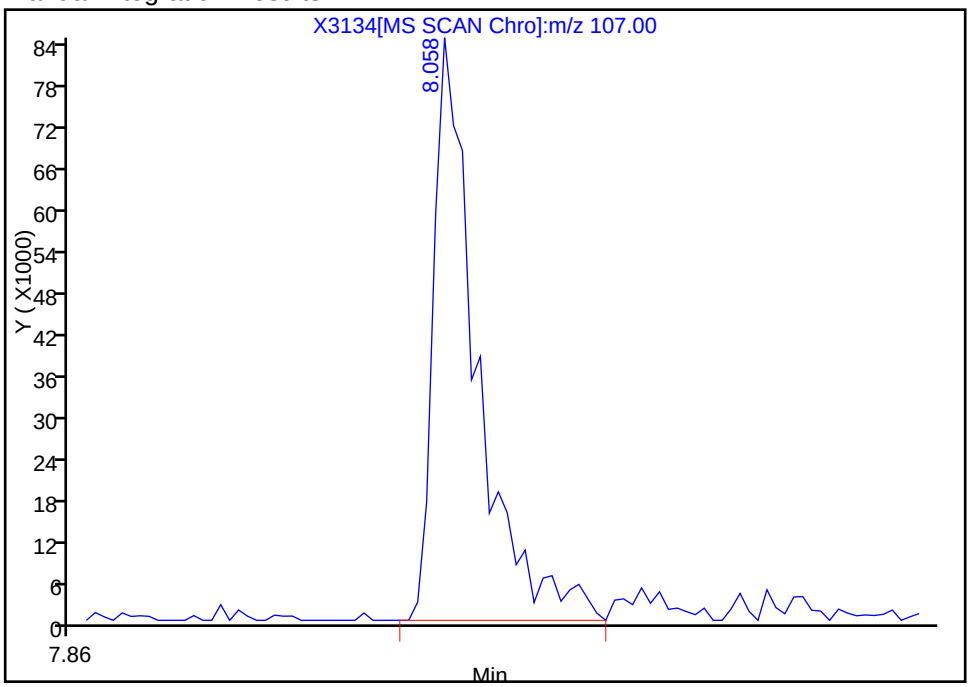
Processing Integration Results

RT: 8.06
Response: 111231
Amount: 2.523282



Manual Integration Results

RT: 8.06
Response: 135144
Amount: 2.602813



Reviewer: mckernar, 18-Dec-2012 13:08:06
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 18-Dec-2012 16:43:07 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

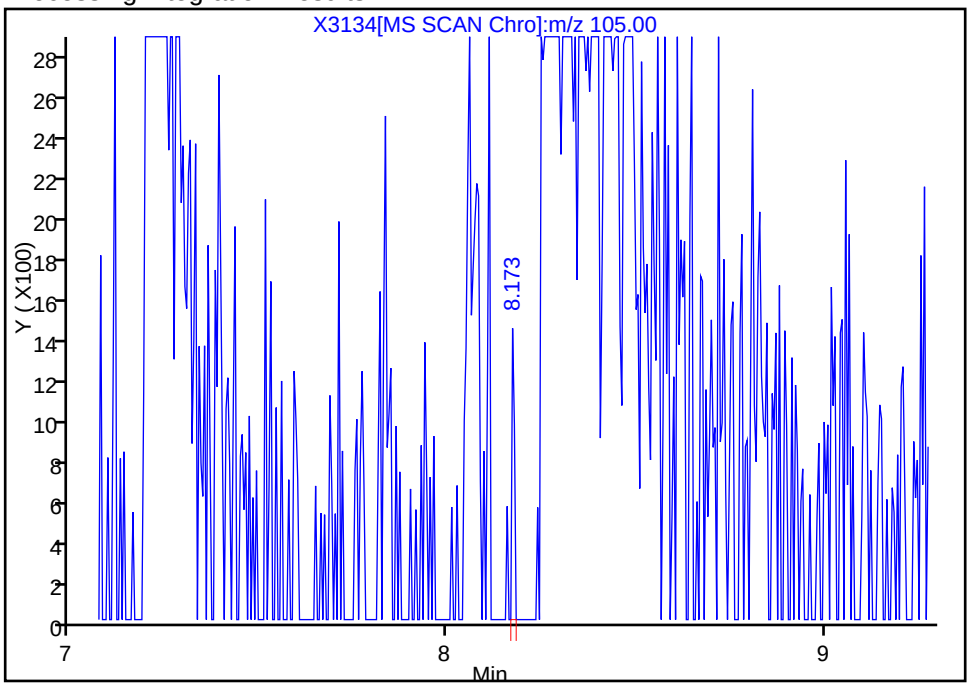
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3134.D		
Injection Date:	18-Dec-2012 12:36:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	5
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

44 Benzoic acid, Signal: 1, m/z: 105.0 Type: quant, RT: 8.27

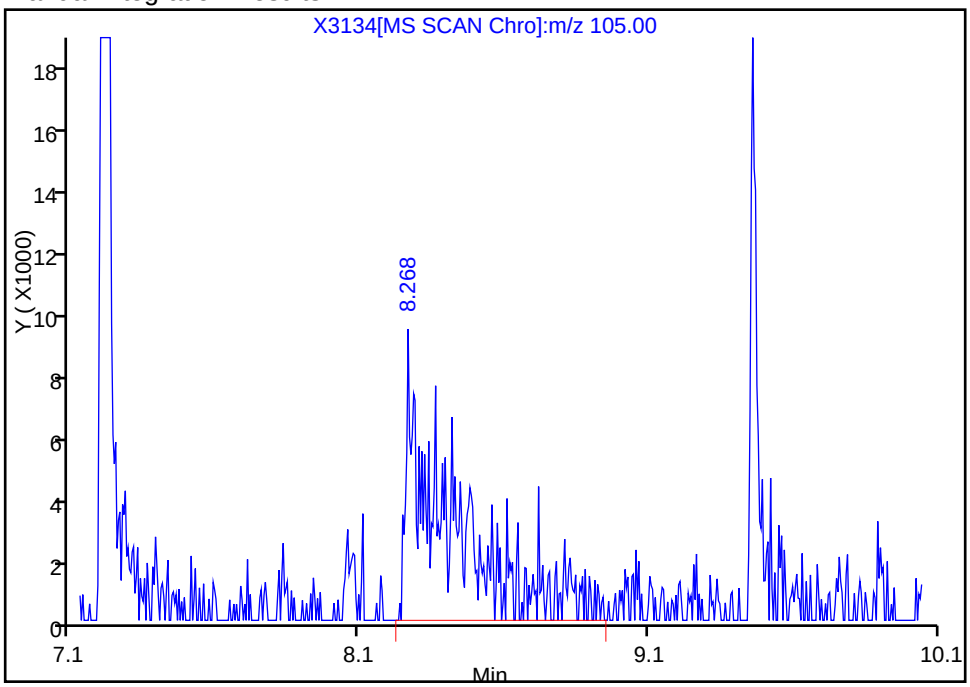
Processing Integration Results

RT: 8.17
Response: 690
Amount: 1.000715



Manual Integration Results

RT: 8.27
Response: 89300
Amount: 3.847578



Reviewer: mckernar, 18-Dec-2012 13:08:06
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

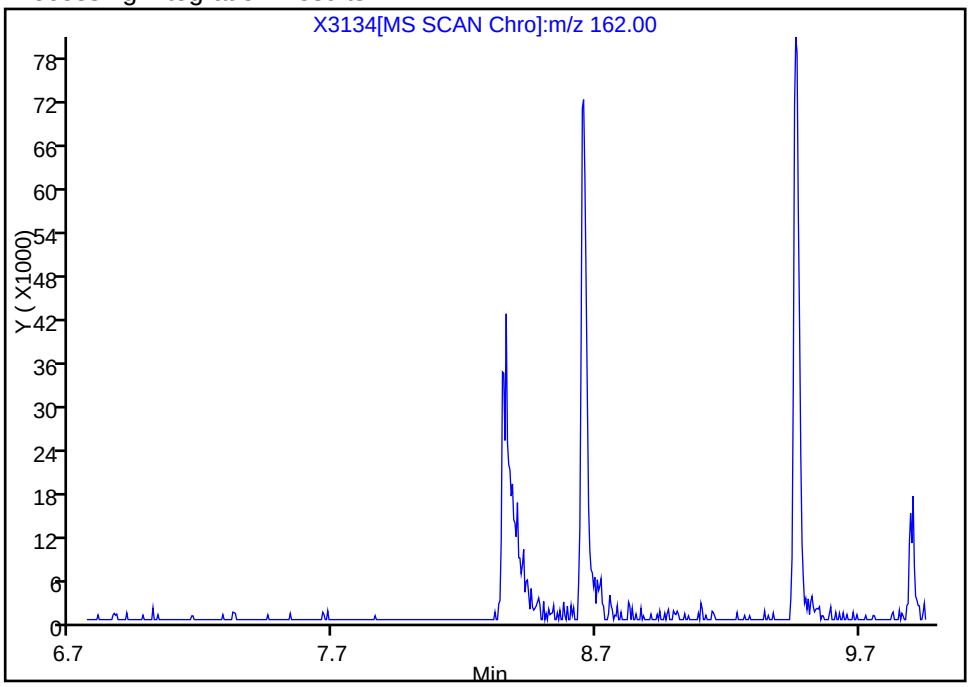
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3134.D		
Injection Date:	18-Dec-2012 12:36:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	5
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

47 2,4-Dichlorophenol, Signal: 1, m/z: 162.0 Type: quant, RT: 8.36

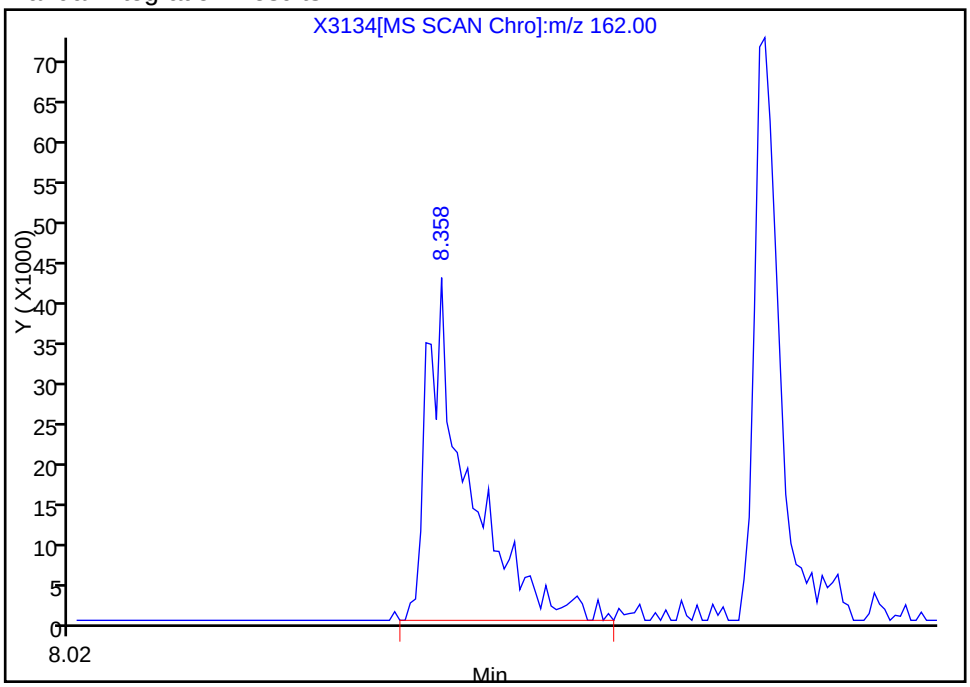
Processing Integration Results

Not Detected
Expected RT: 8.36



Manual Integration Results

RT: 8.36
Response: 111825
Amount: 2.646644



Reviewer: mckernar, 18-Dec-2012 13:08:06
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

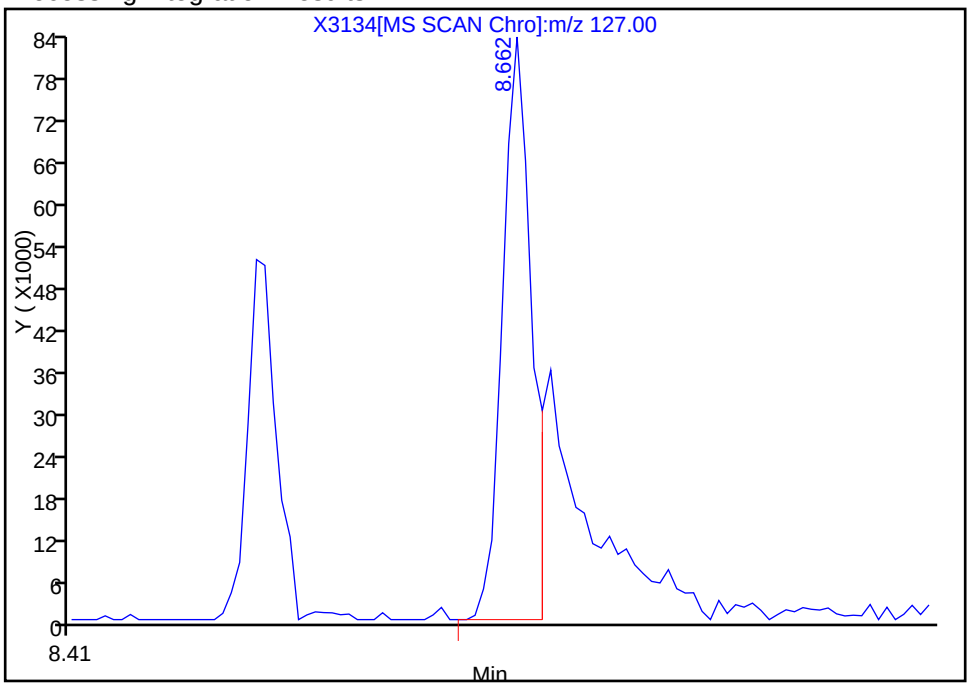
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3134.D		
Injection Date:	18-Dec-2012 12:36:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	5
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

51 4-Chloroaniline, Signal: 1, m/z: 127.0 Type: quant, RT: 8.66

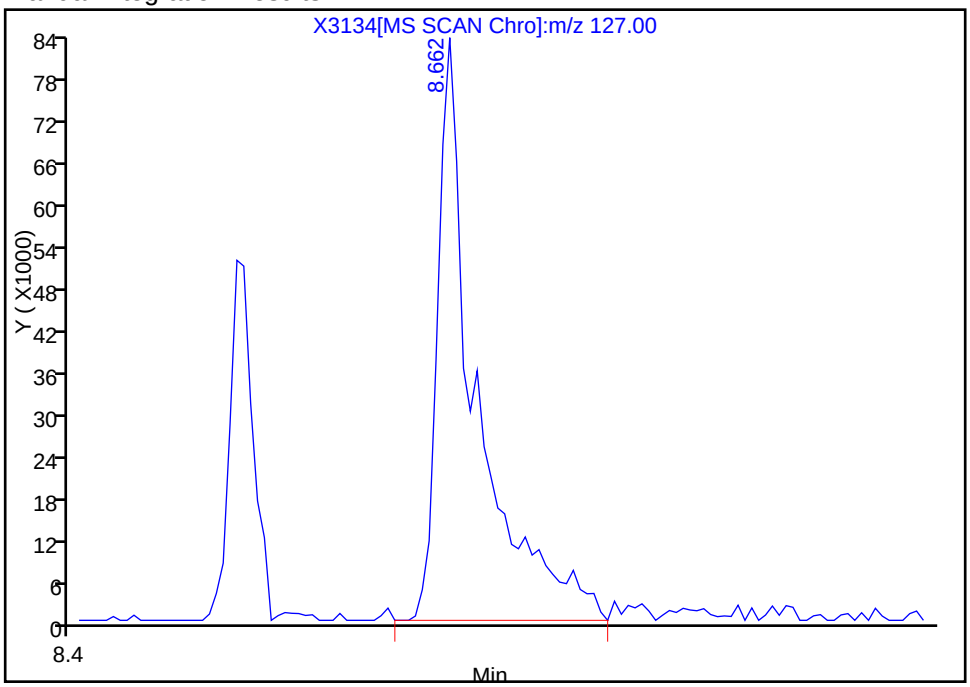
Processing Integration Results

RT: 8.66
Response: 96462
Amount: 2.213314



Manual Integration Results

RT: 8.66
Response: 156755
Amount: 2.516281



Reviewer: mckernar, 18-Dec-2012 13:08:06
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 18-Dec-2012 16:43:07 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

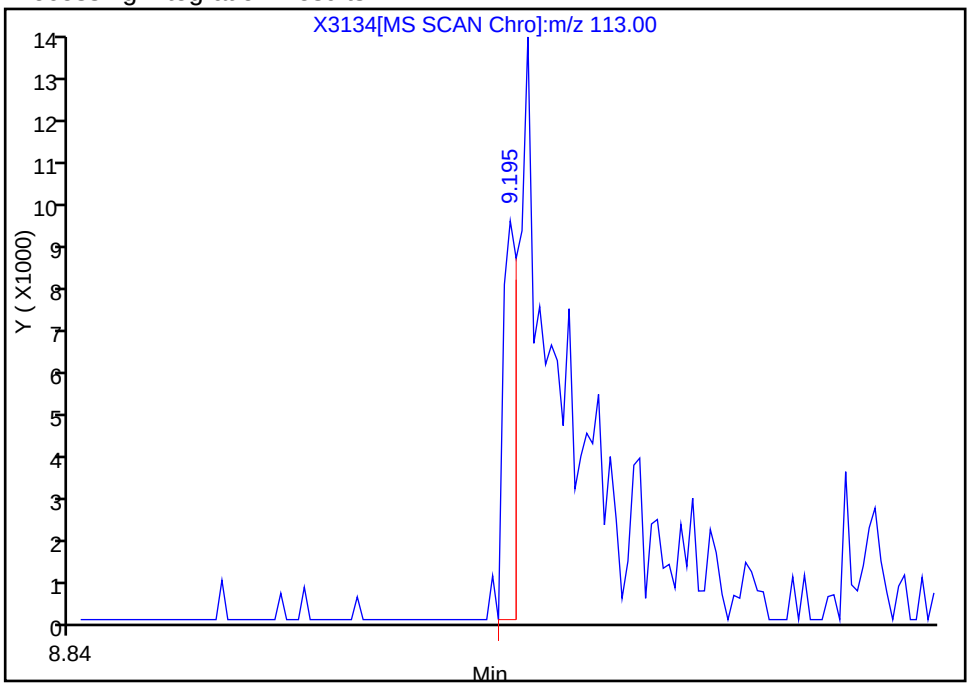
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3134.D		
Injection Date:	18-Dec-2012 12:36:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	5
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

54 Caprolactam, Signal: 1, m/z: 113.0 Type: quant, RT: 9.21

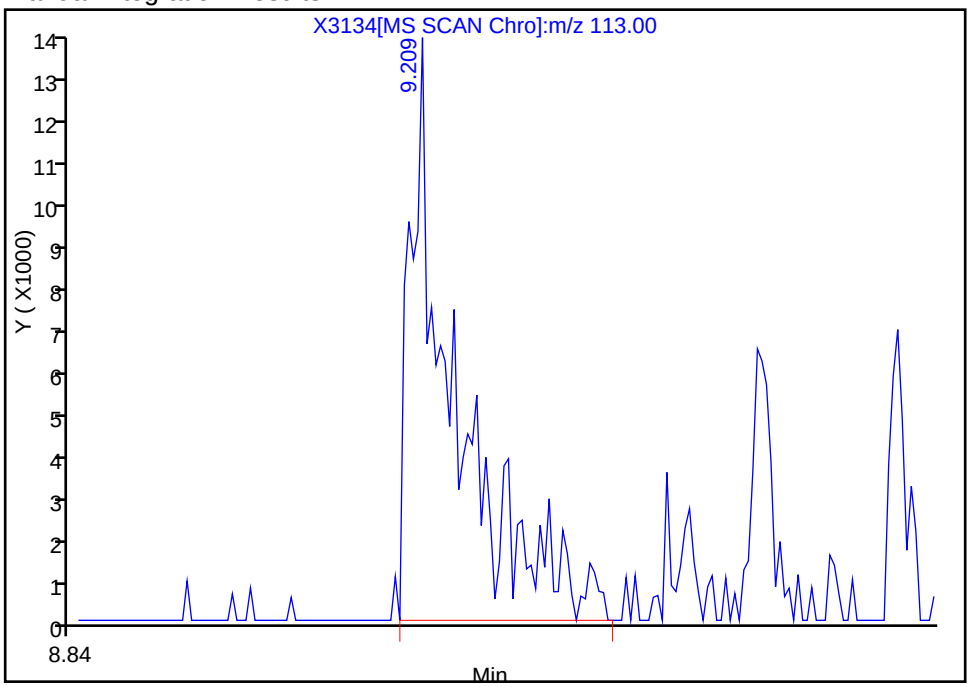
Processing Integration Results

RT: 9.19
Response: 7502
Amount: 1.060537



Manual Integration Results

RT: 9.21
Response: 45612
Amount: 2.966021



Reviewer: mckernar, 18-Dec-2012 13:08:06
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 18-Dec-2012 16:43:07 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

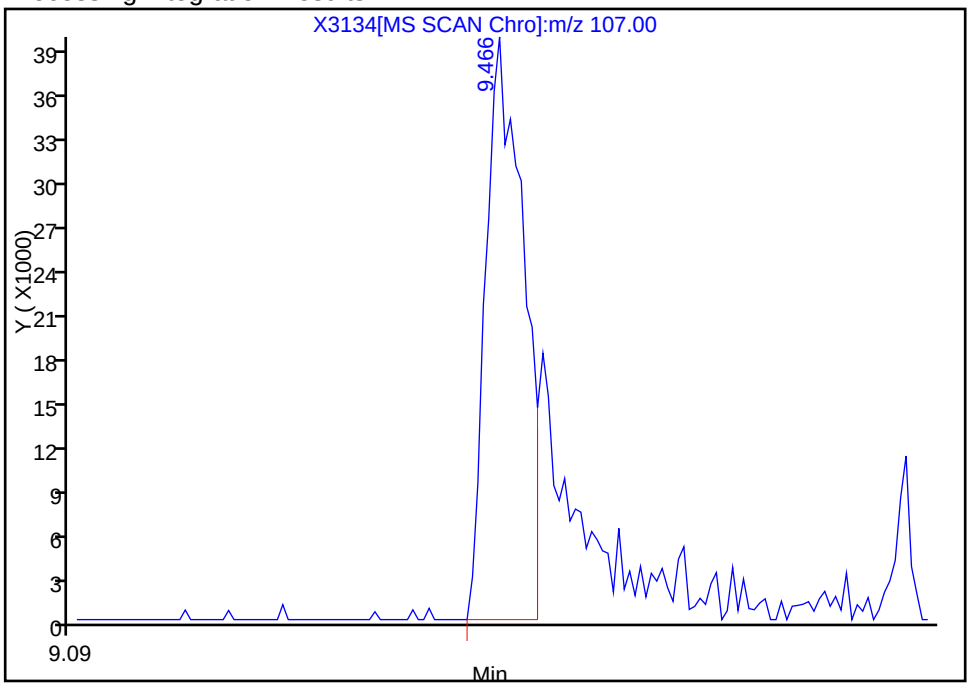
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3134.D		
Injection Date:	18-Dec-2012 12:36:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	5
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

55 4-Chloro-3-methylphenol, Signal: 1, m/z: 107.0 Type: quant, RT: 9.47

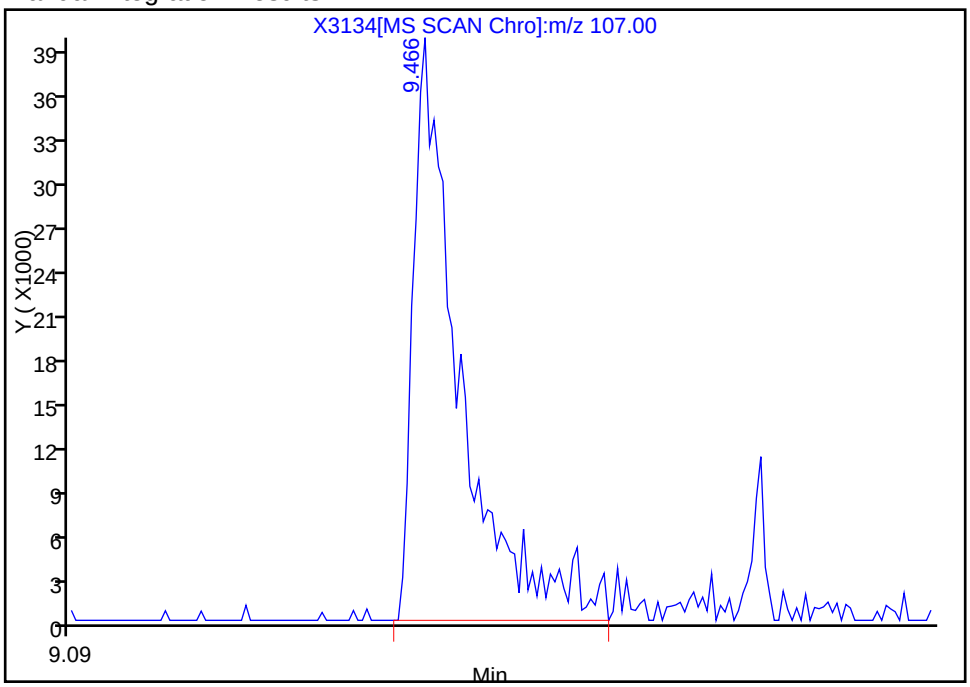
Processing Integration Results

RT: 9.47
Response: 90216
Amount: 2.671238



Manual Integration Results

RT: 9.47
Response: 135114
Amount: 2.894491



Reviewer: mckernar, 18-Dec-2012 13:08:06
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

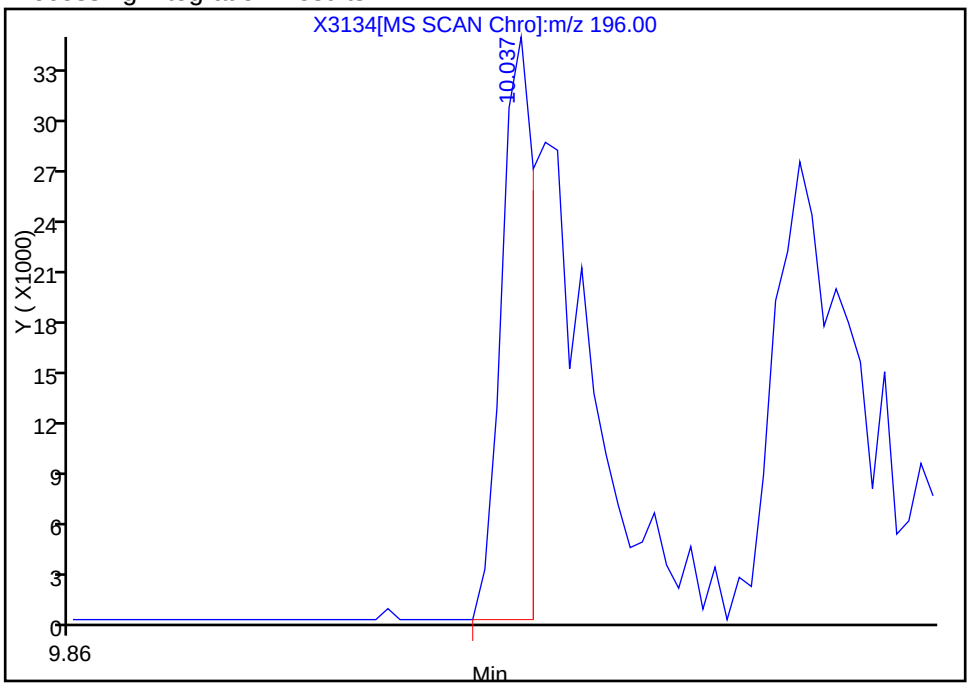
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3134.D		
Injection Date:	18-Dec-2012 12:36:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	5
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

60 2,4,6-Trichlorophenol, Signal: 1, m/z: 196.0 Type: quant, RT: 10.04

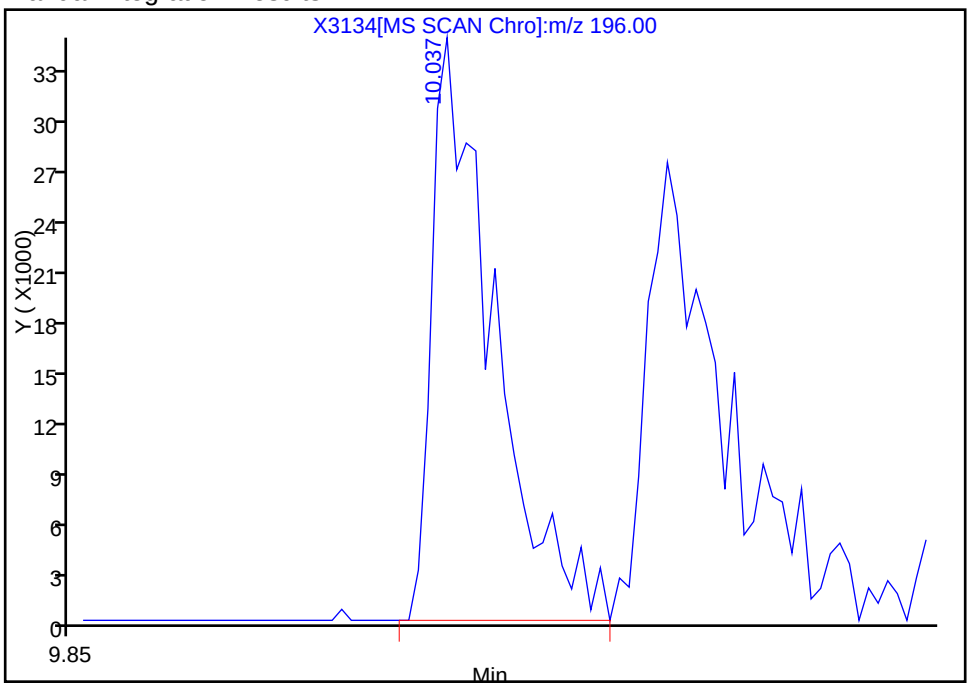
Processing Integration Results

RT: 10.04
Response: 30332
Amount: 1.700010



Manual Integration Results

RT: 10.04
Response: 72851
Amount: 2.532730



Reviewer: mckernar, 18-Dec-2012 13:08:06
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 18-Dec-2012 16:43:07 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

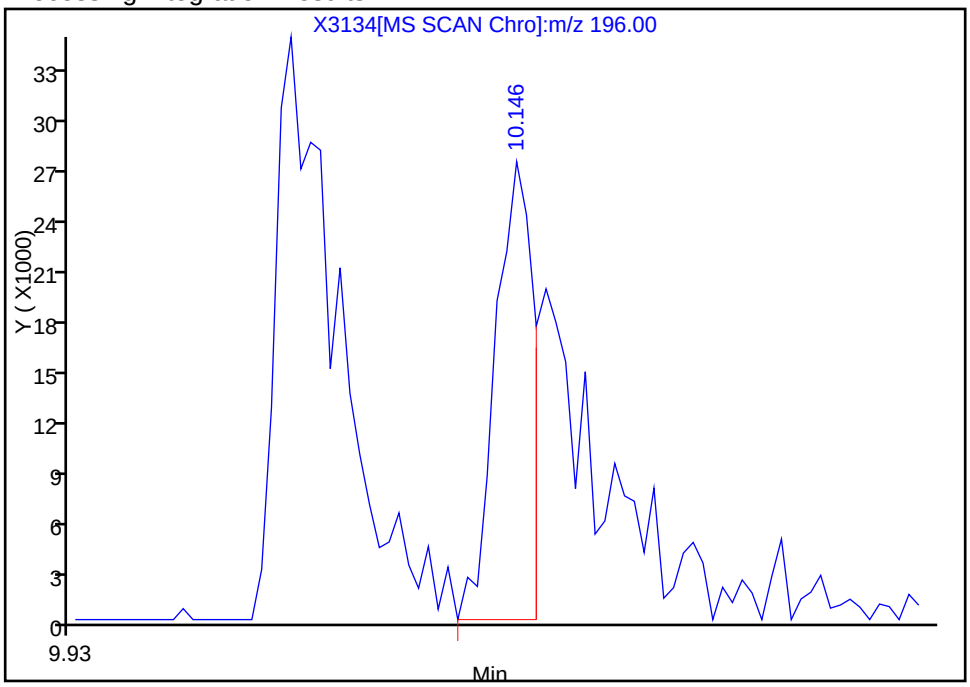
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3134.D		
Injection Date:	18-Dec-2012 12:36:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	5
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

61 2,4,5-Trichlorophenol, Signal: 1, m/z: 196.0 Type: quant, RT: 10.15

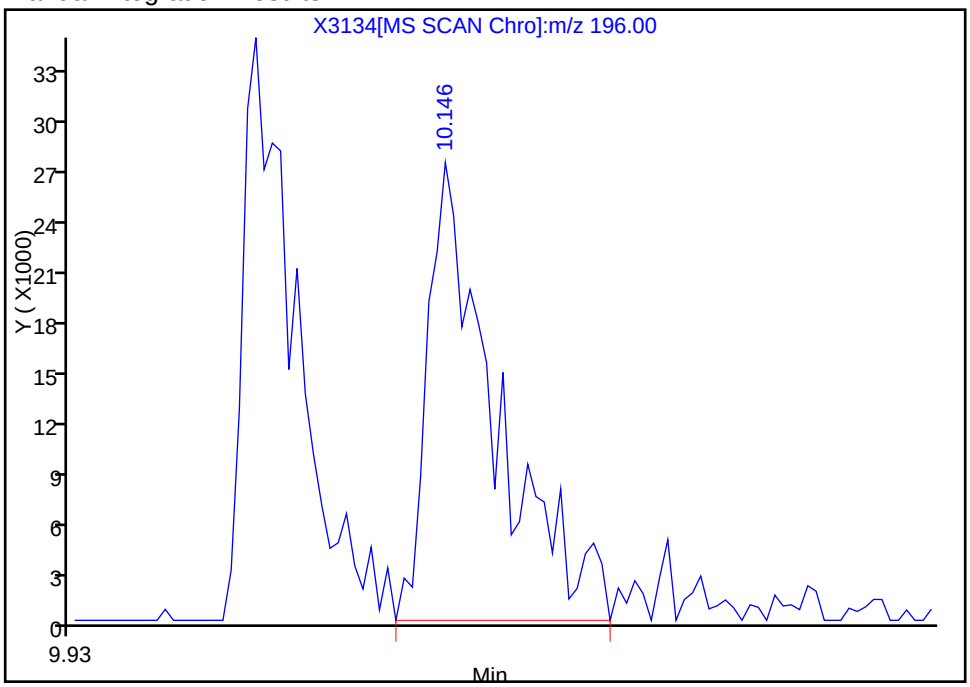
Processing Integration Results

RT: 10.15
Response: 34613
Amount: 1.586065



Manual Integration Results

RT: 10.15
Response: 73198
Amount: 2.630685



Reviewer: mckernar, 18-Dec-2012 13:08:06
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 18-Dec-2012 16:43:07 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

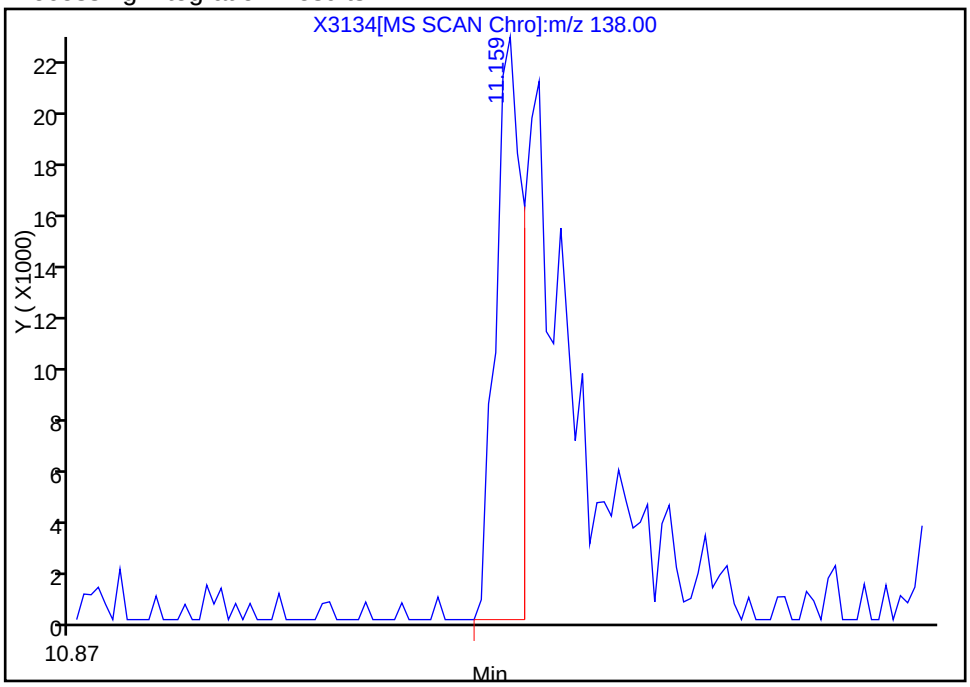
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3134.D		
Injection Date:	18-Dec-2012 12:36:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	5
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

70 3-Nitroaniline, Signal: 1, m/z: 138.0 Type: quant, RT: 11.16

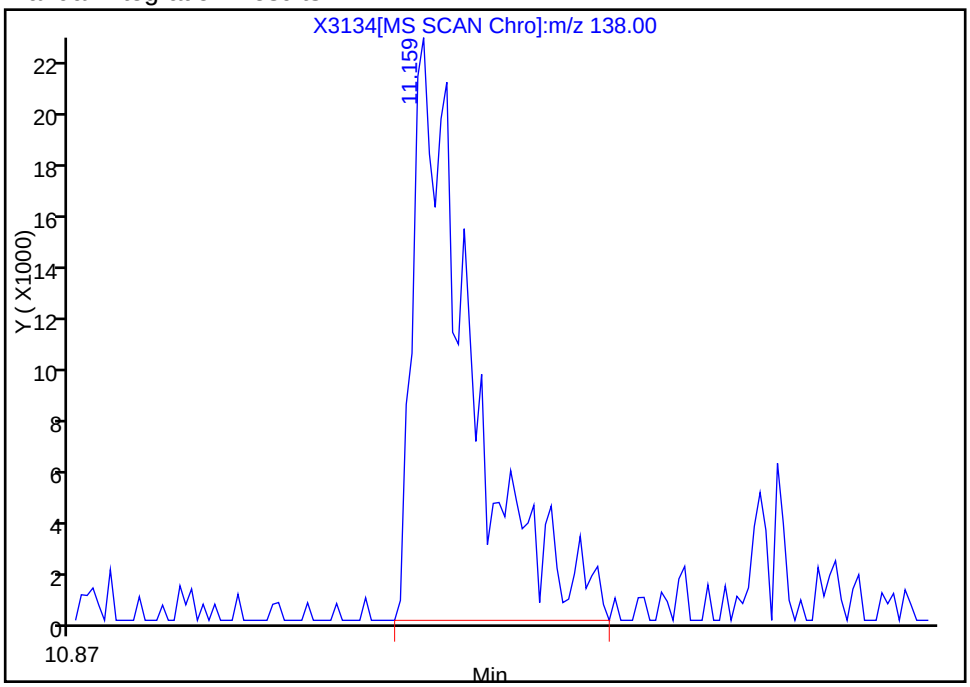
Processing Integration Results

RT: 11.16
Response: 27641
Amount: 2.500000



Manual Integration Results

RT: 11.16
Response: 74904
Amount: 2.581023



Reviewer: mckernar, 18-Dec-2012 13:08:06
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 18-Dec-2012 16:43:07 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

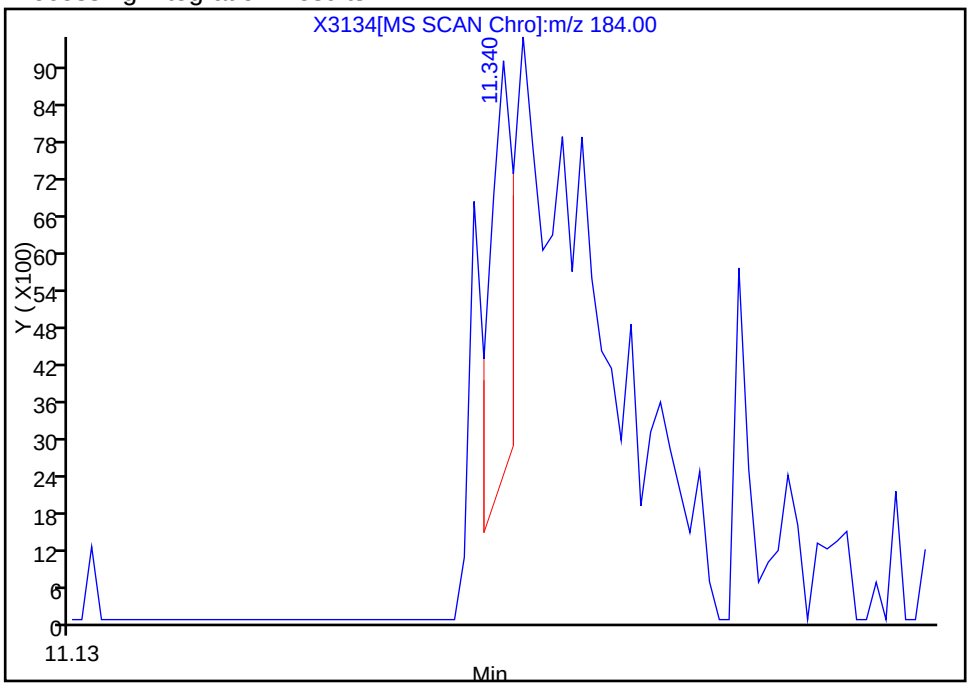
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3134.D		
Injection Date:	18-Dec-2012 12:36:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	5
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

72 2,4-Dinitrophenol, Signal: 1, m/z: 184.0 Type: quant, RT: 11.35

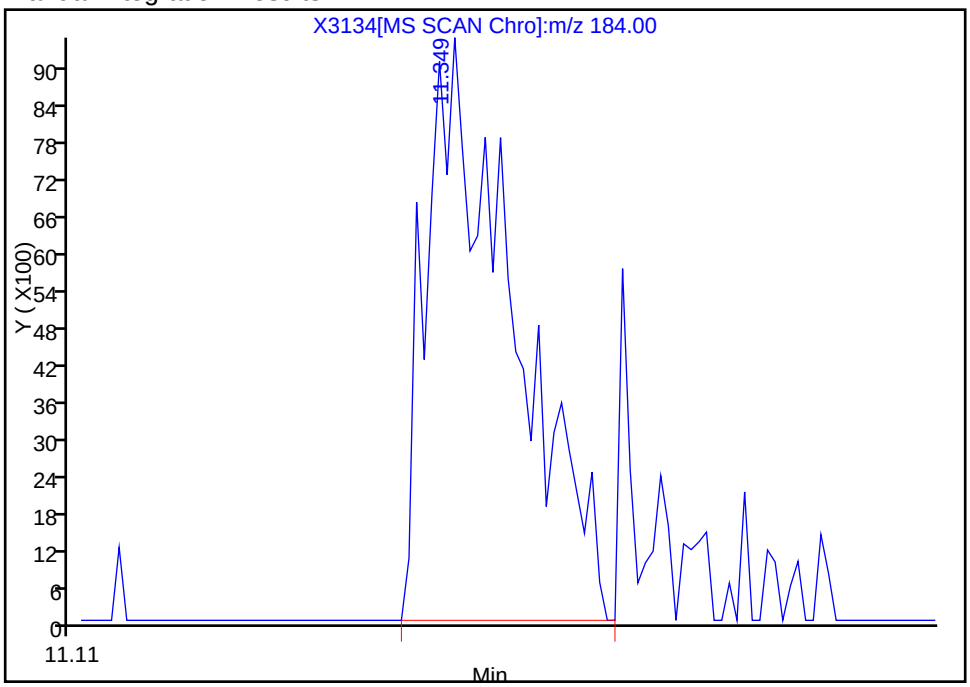
Processing Integration Results

RT: 11.34
Response: 5431
Amount: 5.000000



Manual Integration Results

RT: 11.35
Response: 35900
Amount: 3.890648



Reviewer: mckernar, 18-Dec-2012 13:08:06
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 18-Dec-2012 16:43:07 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

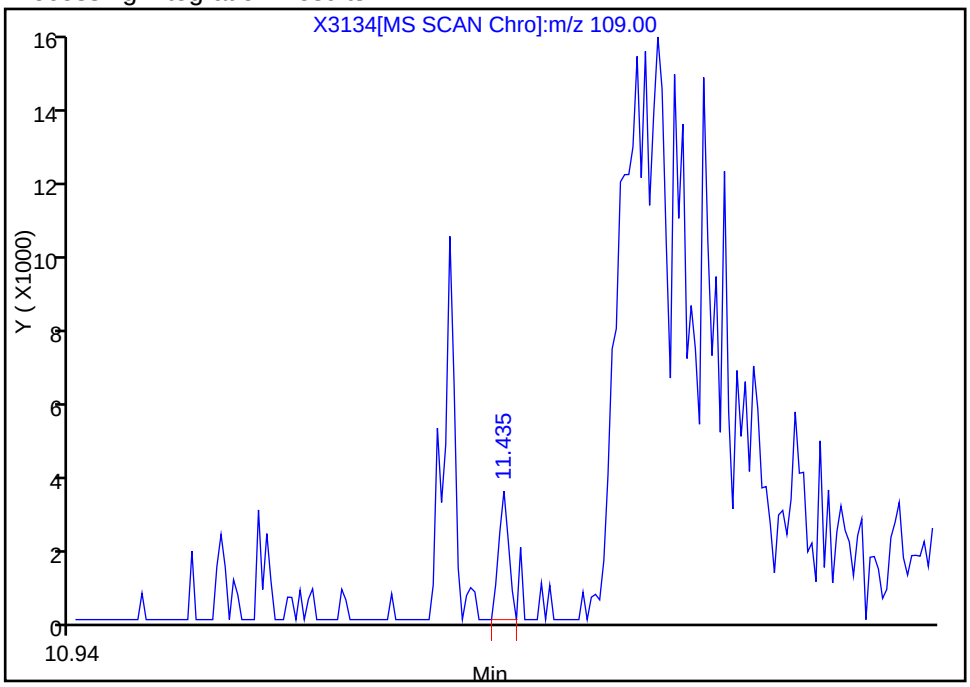
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3134.D		
Injection Date:	18-Dec-2012 12:36:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	5
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

75 4-Nitrophenol, Signal: 1, m/z: 109.0 Type: quant, RT: 11.61

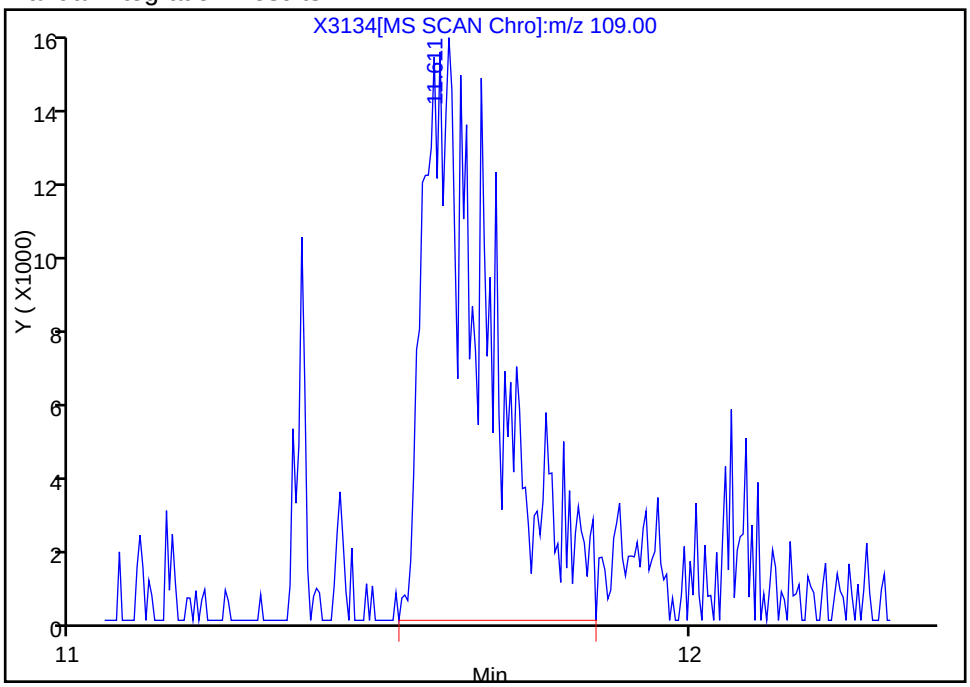
Processing Integration Results

RT: 11.43
Response: 2708
Amount: 5.000000



Manual Integration Results

RT: 11.61
Response: 117392
Amount: 4.708616



Reviewer: mckernar, 18-Dec-2012 13:08:06
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

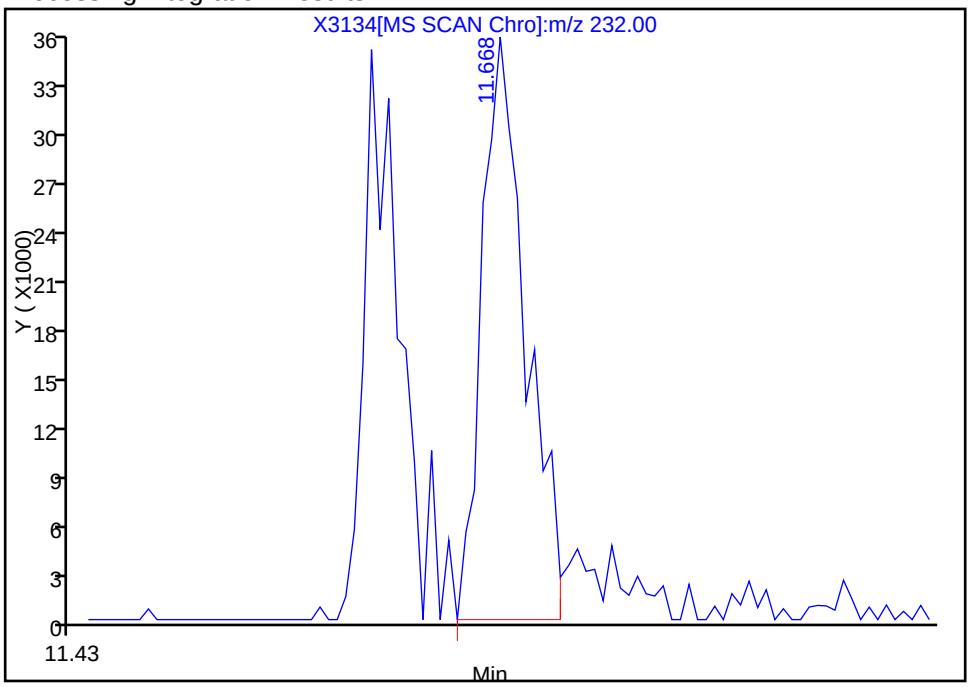
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3134.D		
Injection Date:	18-Dec-2012 12:36:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	5
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

76 2,3,4,6-Tetrachlorophenol, Signal: 1, m/z: 232.0 Type: quant, RT: 11.67

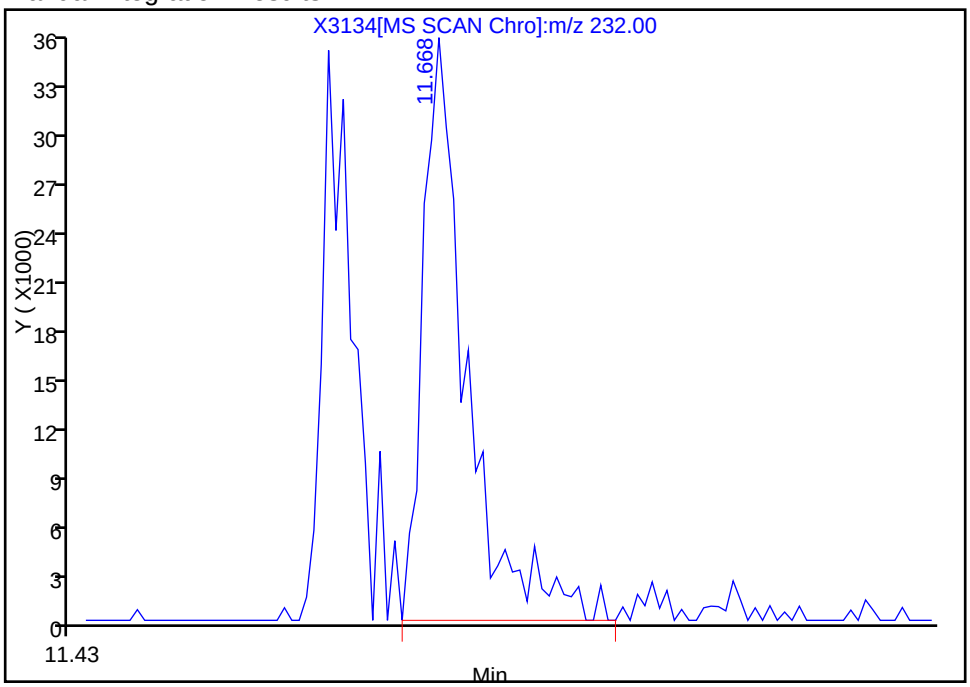
Processing Integration Results

RT: 11.67
Response: 59669
Amount: 2.558689



Manual Integration Results

RT: 11.67
Response: 68881
Amount: 3.077289



Reviewer: mckernar, 18-Dec-2012 15:40:59
Audit Action: Manually Integrated
Audit Reason: Peak Tail

Manual Integration/User Assign Peak Report

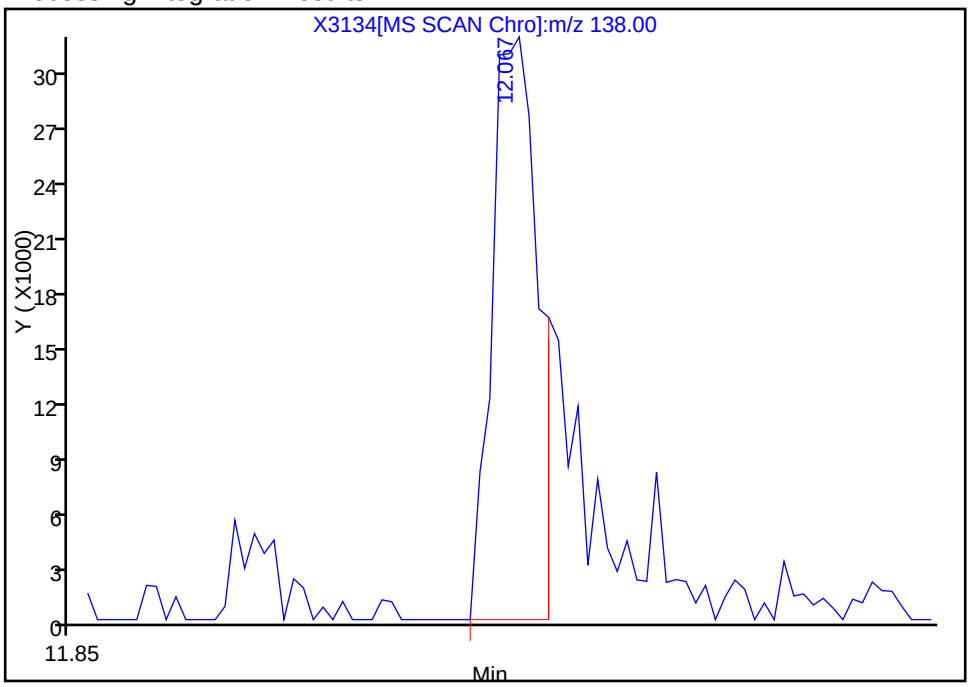
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3134.D		
Injection Date:	18-Dec-2012 12:36:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	5
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

81 4-Nitroaniline, Signal: 1, m/z: 138.0 Type: quant, RT: 12.07

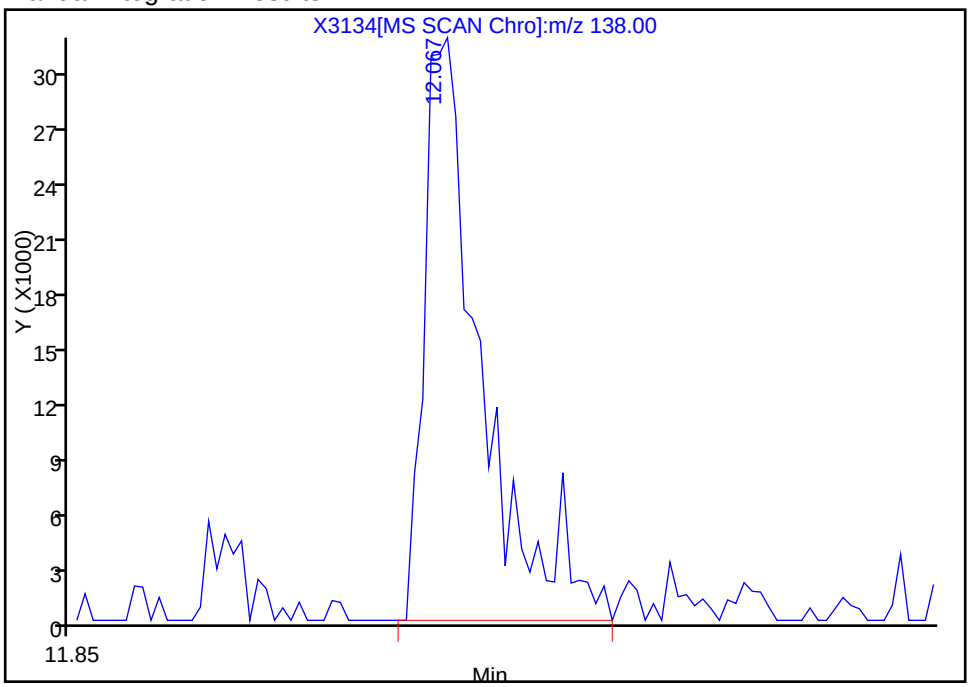
Processing Integration Results

RT: 12.07
Response: 49102
Amount: 4.721570



Manual Integration Results

RT: 12.07
Response: 71047
Amount: 2.518853



Reviewer: mckernar, 18-Dec-2012 13:08:06
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 18-Dec-2012 16:43:07 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

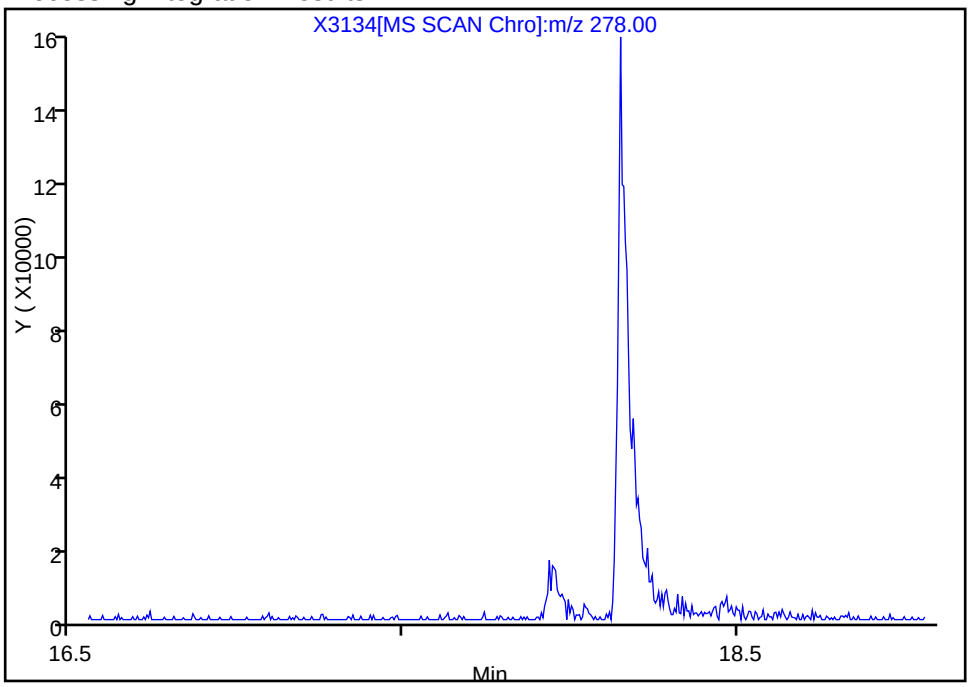
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3134.D		
Injection Date:	18-Dec-2012 12:36:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	5
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

118 Dibenz(a,h)anthracene, Signal: 1, m/z: 278.0 Type: quant, RT: 18.15

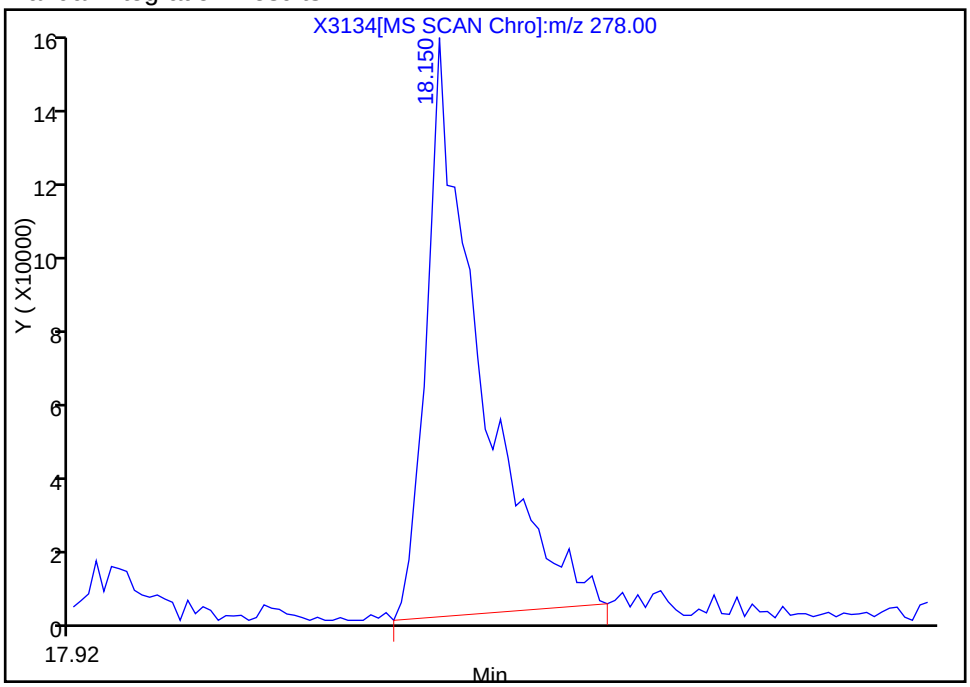
Processing Integration Results

Not Detected
Expected RT: 18.15



Manual Integration Results

RT: 18.15
Response: 361538
Amount: 2.393219



Reviewer: mckernar, 18-Dec-2012 13:08:06
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

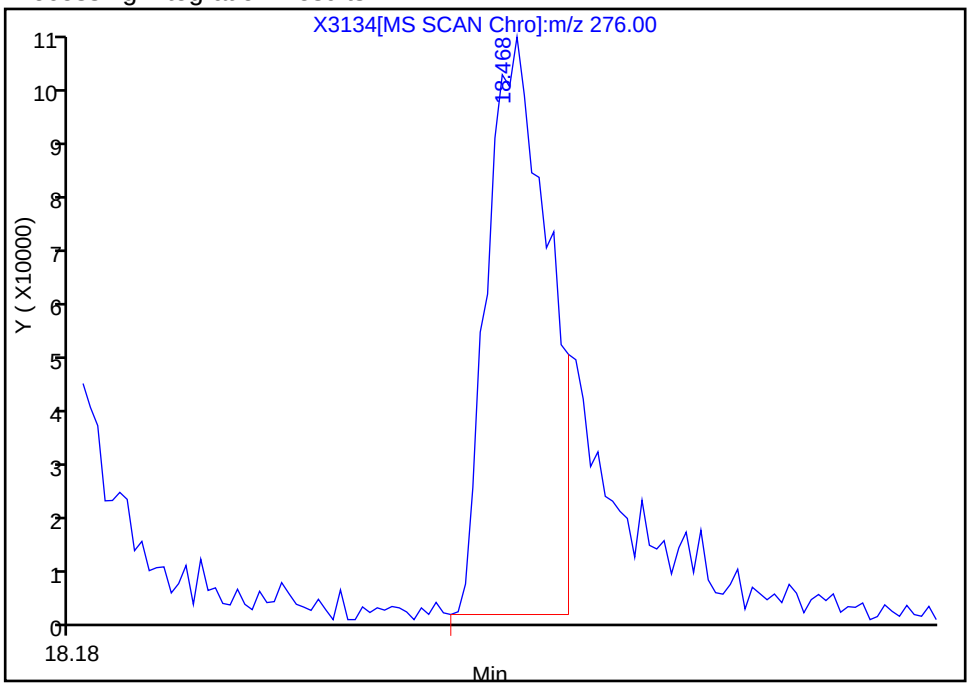
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3134.D		
Injection Date:	18-Dec-2012 12:36:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	5
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

119 Benzo[g,h,i]perylene, Signal: 1, m/z: 276.0 Type: quant, RT: 18.47

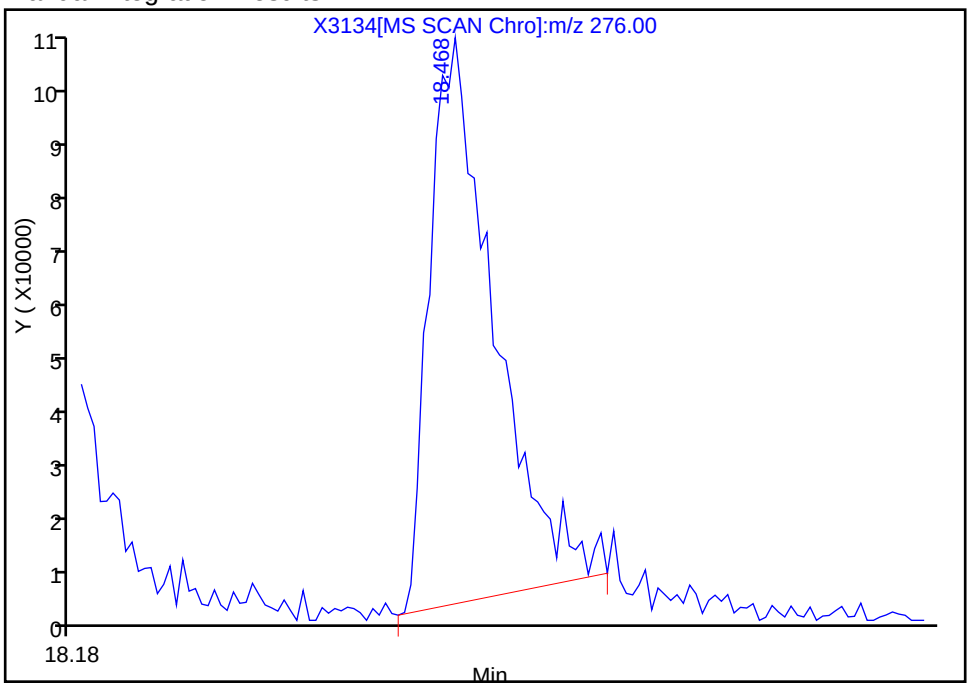
Processing Integration Results

RT: 18.47
Response: 276231
Amount: 2.218327



Manual Integration Results

RT: 18.47
Response: 331317
Amount: 2.230675



Reviewer: mckernar, 18-Dec-2012 13:08:06
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3135.D
Lims ID: ICIS - 5.0 Client ID:
Inject. Date: 18-Dec-2012 13:01:30 Dil. Factor: 1.0000
Sample Type: ICIS Calib Level: 5
Sample ID: 480-0017654-006
Misc. Info.:
Operator: ANM Instrument ID: HP5973X
Injection Vol: 1.0 ul ALS Bottle#: 7
Lims Batch ID: 96347 Lims Sample ID: 6
Sublist: chrom-X-8270LL*sub20
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973X\20121218-17654.b\X-8270LL.m
Last Update: 18-Dec-2012 16:43:09 Calib Date: 18-Dec-2012 14:44:30
Quant Method: Internal Standard Quant By: Continuing Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3139.D
Limit Group: MB - 8270RCP_MCP ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: RXI-5Sil MS Column Dia: 0.25 mm
Process Host: XAWRK017

First Level Reviewer: mckernar Date: 18-Dec-2012 16:43:09

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.580	6.580	0.0	84	239006	5.00	
* 2 Naphthalene-d8	136	8.472	8.472	0.0	98	899352	5.00	
* 3 Acenaphthene-d10	164	11.107	11.107	0.0	89	580354	5.00	
* 4 Phenanthrene-d10	188	13.123	13.123	0.0	93	999064	5.00	
* 5 Chrysene-d12	240	15.763	15.763	0.0	95	870912	5.00	
* 6 Perylene-d12	264	17.028	17.028	0.0	97	874986	5.00	
$ 7 2-Fluorophenol	112	4.692	4.692	0.0	68	260416	4.80	
$ 8 Phenol-d5	99	6.099	6.099	0.0	88	315382	4.78	
$ 9 Nitrobenzene-d5	82	7.417	7.417	0.0	83	336143	4.99	
$ 10 2-Fluorobiphenyl	172	10.113	10.113	0.0	94	714759	4.91	
$ 11 2,4,6-Tribromophenol	330	12.277	12.277	0.0	45	92242	5.02	
$ 12 p-Terphenyl-d14	244	14.797	14.797	0.0	95	798713	4.76	
18 1,4-Dioxane	88	2.461	2.461	0.0	76	123654	5.00	
19 N-Nitrosodimethylamine	42	2.804	2.804	0.0	67	208910	4.78	
20 Pyridine	52	2.865	2.865	0.0	87	224441	5.06	M
21 Benzaldehyde	77	5.942	5.942	0.0	87	162790	3.47	M
23 Aniline	93	6.109	6.109	0.0	93	429032	4.90	
22 Phenol	94	6.123	6.123	0.0	52	353444	4.85	
24 Bis(2-chloroethyl)ether	93	6.213	6.213	0.0	98	277749	4.85	
25 2-Chlorophenol	128	6.280	6.280	0.0	94	291390	4.71	
26 1,3-Dichlorobenzene	146	6.489	6.489	0.0	96	357774	4.66	
27 1,4-Dichlorobenzene	146	6.608	6.608	0.0	72	363036	4.73	
29 1,2-Dichlorobenzene	146	6.822	6.822	0.0	82	334550	4.68	
28 Benzyl alcohol	108	6.822	6.822	0.0	77	116541	5.60	
32 2,2'-oxybis[1-chloropropane]	45	7.012	7.012	0.0	72	425189	4.56	
31 2-Methylphenol	108	7.008	7.008	0.0	70	251708	4.84	
33 Acetophenone	105	7.198	7.198	0.0	93	433526	4.89	
34 N-Nitrosodi-n-propylamine	70	7.203	7.203	0.0	89	212308	4.77	
36 4-Methylphenol	108	7.260	7.260	0.0	79	249264	4.74	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
37 Hexachloroethane	117	7.317	7.317	0.0	92	138413	4.52	
38 Nitrobenzene	77	7.445	7.445	0.0	77	344606	4.92	
40 Isophorone	82	7.806	7.806	0.0	74	566208	4.92	
41 2-Nitrophenol	139	7.921	7.921	0.0	87	150183	4.72	
43 2,4-Dimethylphenol	107	8.040	8.040	0.0	87	324231	5.40	
45 Bis(2-chloroethoxy)methane	93	8.154	8.154	0.0	99	341969	5.02	
44 Benzoic acid	105	8.225	8.225	0.0	1	114208	4.20	M
47 2,4-Dichlorophenol	162	8.315	8.315	0.0	82	230653	4.72	M
48 1,2,4-Trichlorobenzene	180	8.396	8.396	0.0	92	276669	4.60	
49 Naphthalene	128	8.506	8.506	0.0	86	983298	4.94	
51 4-Chloroaniline	127	8.634	8.634	0.0	86	389521	5.40	M
52 Hexachlorobutadiene	225	8.701	8.701	0.0	83	149687	4.56	
54 Caprolactam	113	9.167	9.167	0.0	77	83067	4.67	M
55 4-Chloro-3-methylphenol	107	9.428	9.428	0.0	94	273525	5.06	M
56 2-Methylnaphthalene	142	9.547	9.547	0.0	74	641367	4.59	
57 1-Methylnaphthalene	142	9.694	9.694	0.0	88	623980	4.85	
58 Hexachlorocyclopentadiene	237	9.780	9.780	0.0	77	74568	3.77	
59 1,2,4,5-Tetrachlorobenzene	216	9.804	9.804	0.0	89	249086	4.57	
60 2,4,6-Trichlorophenol	196	10.013	10.013	0.0	91	156965	4.68	
61 2,4,5-Trichlorophenol	196	10.108	10.108	0.0	48	137551	4.24	
62 1,1'-Biphenyl	154	10.260	10.260	0.0	99	809768	4.83	
63 2-Chloronaphthalene	162	10.303	10.303	0.0	95	668430	4.94	
64 Phenyl ether	170	10.422	10.422	0.0	94	449001	4.92	
65 2-Nitroaniline	65	10.484	10.484	0.0	80	174954	4.55	
66 1,4-Dinitrobenzene	75	10.717	10.717	0.0	73	105212	0	
67 Dimethyl phthalate	163	10.764	10.764	0.0	94	712993	4.75	
68 2,6-Dinitrotoluene	165	10.850	10.850	0.0	86	327996	4.82	
69 Acenaphthylene	152	10.893	10.893	0.0	88	946253	4.66	
70 3-Nitroaniline	138	11.126	11.126	0.0	79	135474	4.01	
71 Acenaphthene	153	11.154	11.154	0.0	88	636064	4.50	
72 2,4-Dinitrophenol	184	11.302	11.302	0.0	76	117671	9.68	M
73 Dibenzofuran	168	11.425	11.425	0.0	99	881367	5.11	
74 2,4-Dinitrotoluene	165	11.468	11.468	0.0	1	192907	4.44	
75 4-Nitrophenol	109	11.521	11.521	0.0	1	240901	8.29	M
76 2,3,4,6-Tetrachlorophenol	232	11.649	11.649	0.0	86	104485	4.01	
78 Diethyl phthalate	149	11.820	11.820	0.0	92	789783	4.80	
79 Fluorene	166	11.930	11.930	0.0	85	767084	4.86	
80 4-Chlorophenyl phenyl ether	204	11.944	11.944	0.0	88	343625	4.92	
81 4-Nitroaniline	138	12.039	12.039	0.0	82	152208	4.29	
82 4,6-Dinitro-2-methylphenol	198	12.063	12.063	0.0	47	203339	8.65	
84 Diphenylamine	169	12.120	12.120	0.0	97	1192504	5.13	
83 N-Nitrosodiphenylamine	169	12.120	12.120	0.0	97	1192504	5.13	
16 1,2-Diphenylhydrazine	77	12.163	12.163	0.0	95	717552	4.78	
85 Azobenzene	77	12.163	12.163	0.0	95	717552	4.79	
86 Benzophenone	105	12.186	12.186	0.0	92	601879	4.36	
89 4-Bromophenyl phenyl ether	248	12.591	12.591	0.0	79	167439	4.47	
91 Hexachlorobenzene	284	12.652	12.652	0.0	68	190748	4.86	
92 Simazine	201	12.800	12.800	0.0	85	92991	0	
93 Atrazine	200	12.838	12.838	0.0	86	415457	9.52	
95 Pentachloronitrobenzene	237	12.923	12.923	0.0	76	92665	4.57	
94 Pentachlorophenol	266	12.928	12.928	0.0	73	158642	8.67	
97 Phenanthrene	178	13.152	13.152	0.0	94	1084497	4.87	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
98 Anthracene	178	13.214	13.214	0.0	95	1085154	4.78	
99 Carbazole	167	13.418	13.418	0.0	99	1022385	4.86	
101 Alachlor	160	13.565	13.565	0.0	91	194198	0	
102 Di-n-butyl phthalate	149	13.803	13.803	0.0	96	1248342	5.12	
104 Fluoranthene	202	14.426	14.426	0.0	96	1101355	4.99	
105 Benzidine	184	14.593	14.593	0.0	98	420563	4.37	
106 Pyrene	202	14.650	14.650	0.0	98	1131711	4.85	
107 Famphur	218	15.197	15.197	0.0	84	407742	0	
108 Butyl benzyl phthalate	149	15.244	15.244	0.0	93	623033	4.83	
110 Bis(2-ethylhexyl) phthalate	149	15.734	15.734	0.0	96	828734	4.67	
109 3,3'-Dichlorobenzidine	252	15.734	15.734	0.0	70	370716	4.74	
111 Benzo[a]anthracene	228	15.748	15.748	0.0	97	958718	5.11	
112 Chrysene	228	15.786	15.786	0.0	90	899840	4.23	
113 Di-n-octyl phthalate	149	16.271	16.271	0.0	98	1360557	4.86	
114 Benzo[b]fluoranthene	252	16.676	16.676	0.0	94	958574	4.72	
115 Benzo[k]fluoranthene	252	16.699	16.699	0.0	97	1052157	5.03	
116 Benzo[a]pyrene	252	16.975	16.975	0.0	74	889246	4.53	
118 Dibenz(a,h)anthracene	278	18.093	18.093	0.0	55	813075	4.57	
117 Indeno[1,2,3-cd]pyrene	276	18.088	18.088	0.0	95	959184	4.57	
119 Benzo[g,h,i]perylene	276	18.402	18.402	0.0	95	830876	4.75	
S 121 3-Methylphenol	1		0.000					

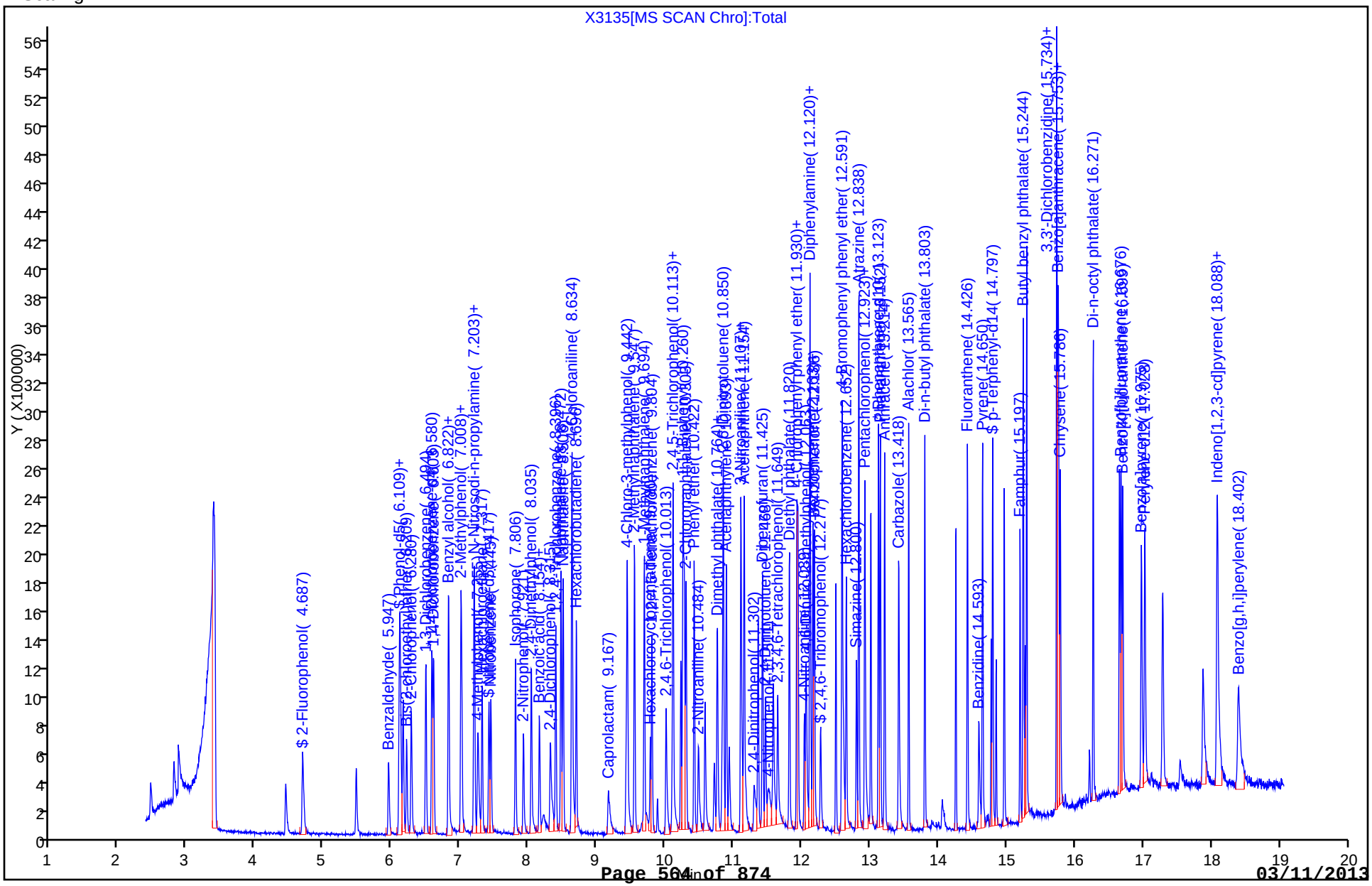
QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 18-Dec-2012 16:43:10 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3135.D		
Injection Date:	18-Dec-2012 13:01:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	6
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm
Y Scaling:			



Manual Integration/User Assign Peak Report

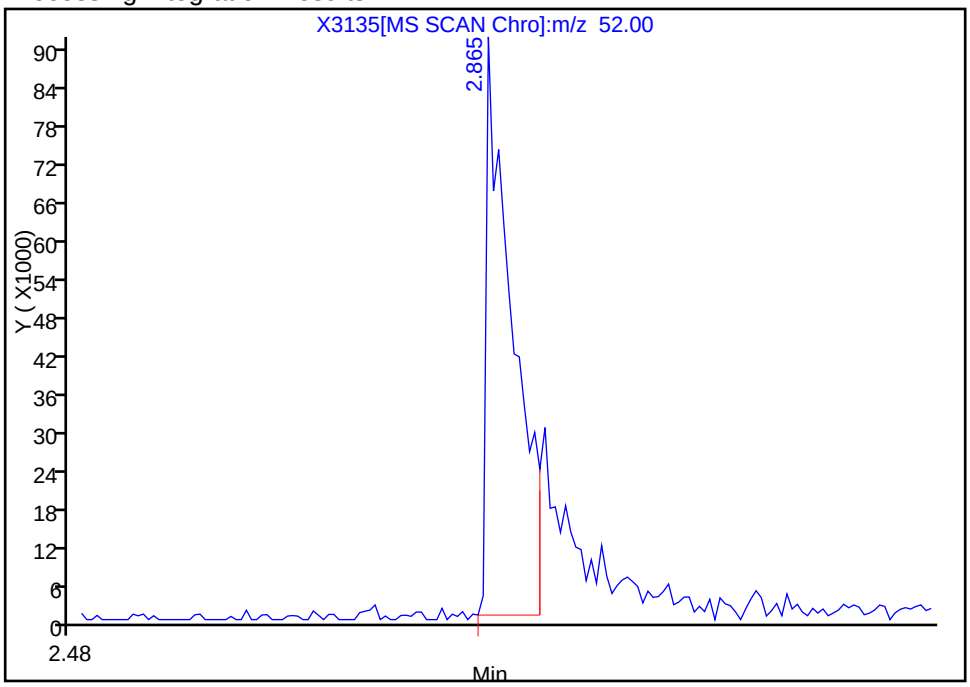
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3135.D		
Injection Date:	18-Dec-2012 13:01:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	6
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

20 Pyridine, Signal: 1, m/z: 52.0 Type: quant, RT: 2.87

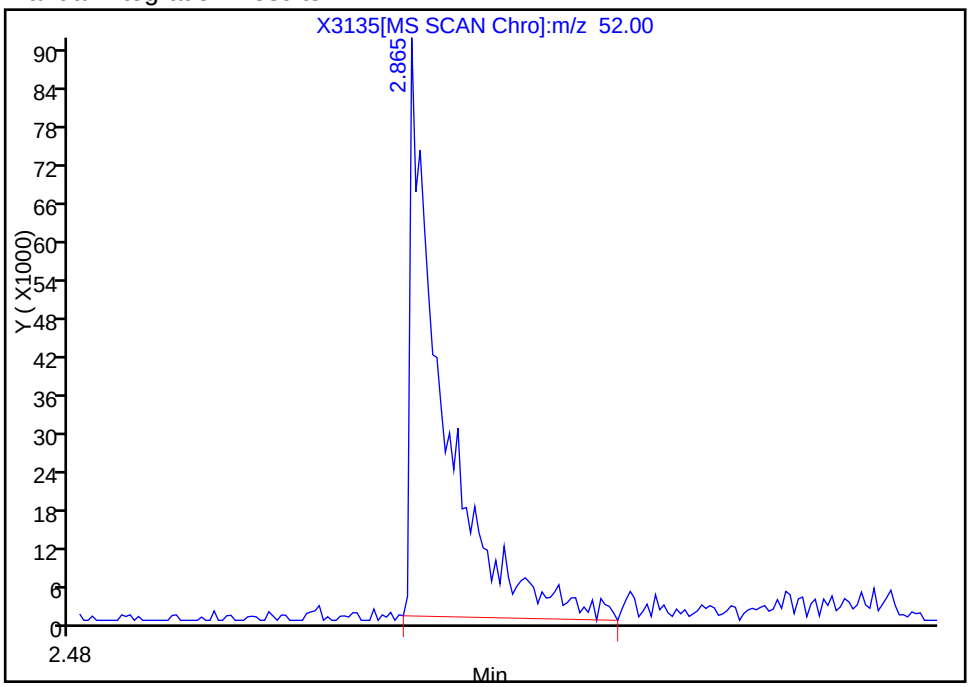
Processing Integration Results

RT: 2.87
Response: 153072
Amount: 3.707451



Manual Integration Results

RT: 2.87
Response: 224441
Amount: 5.062018



Reviewer: mckernar, 18-Dec-2012 13:38:28
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

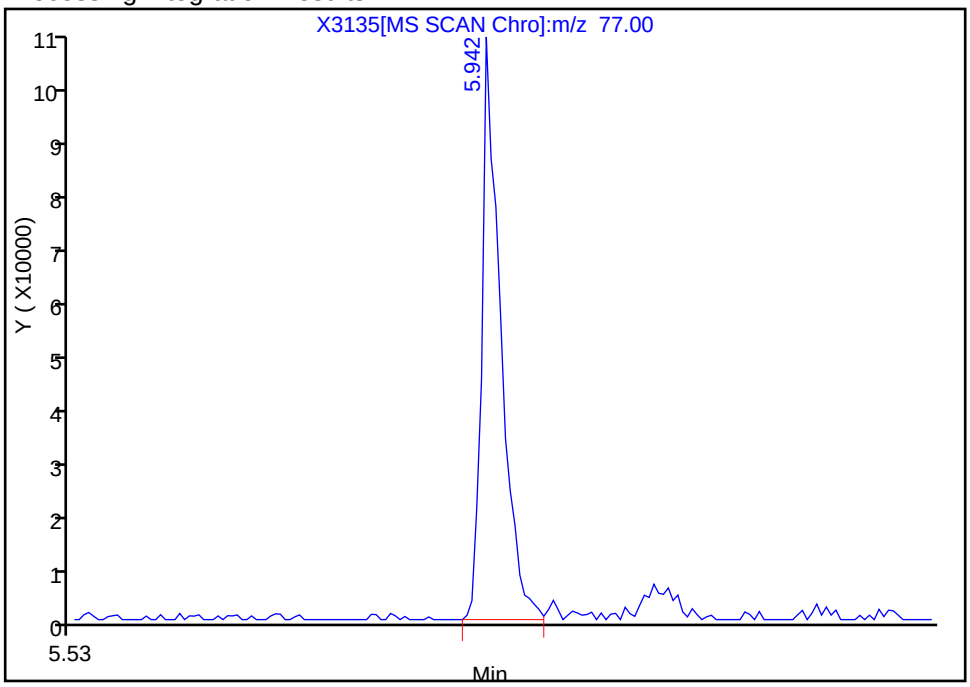
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3135.D		
Injection Date:	18-Dec-2012 13:01:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	6
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

21 Benzaldehyde, Signal: 1, m/z: 77.0 Type: quant, RT: 5.94

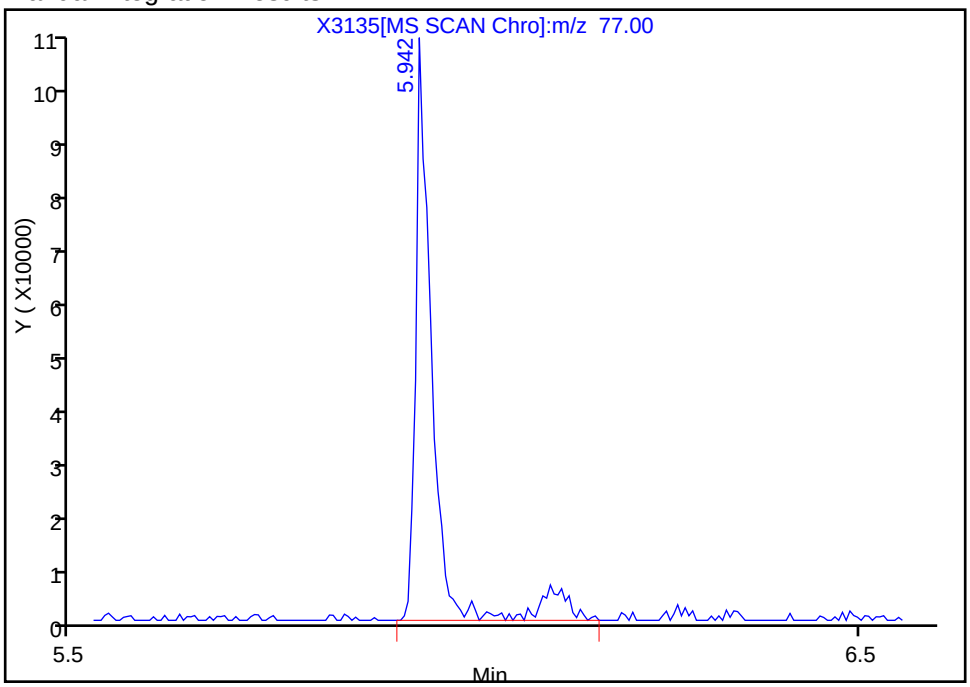
Processing Integration Results

RT: 5.94
Response: 142765
Amount: 3.080421



Manual Integration Results

RT: 5.94
Response: 162790
Amount: 3.474962



Reviewer: mckernar, 18-Dec-2012 15:36:57
Audit Action: Manually Integrated
Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3135.D		
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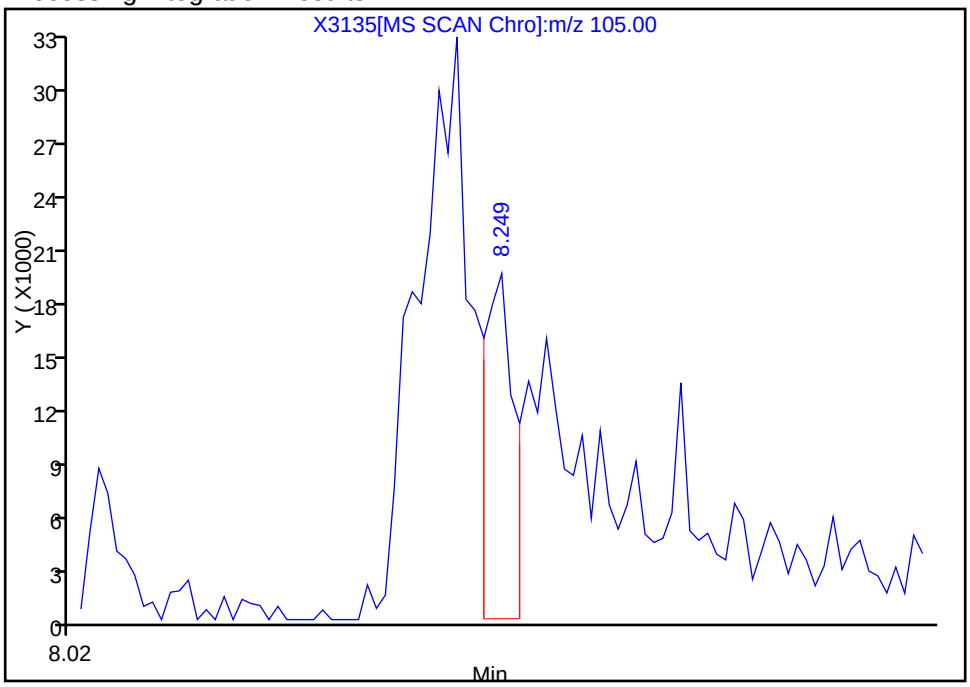
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	6
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

44 Benzoic acid, Signal: 1, m/z: 105.0 Type: quant, RT: 8.22

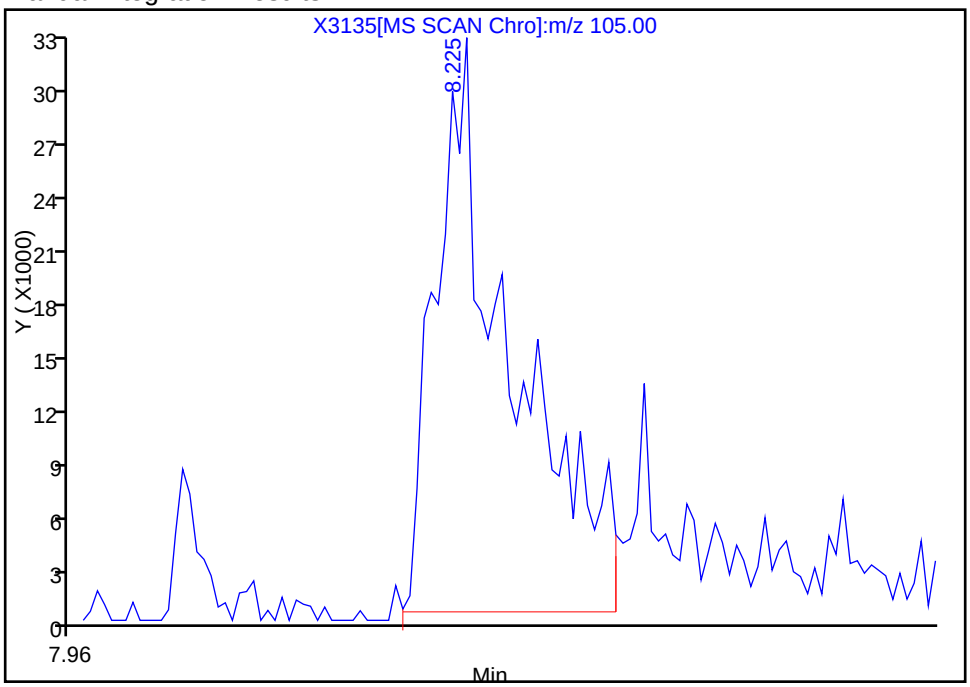
Processing Integration Results

RT: 8.25
Response: 21923
Amount: 1.399517



Manual Integration Results

RT: 8.22
Response: 114208
Amount: 4.202714



Reviewer: mckernar, 18-Dec-2012 13:38:28
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

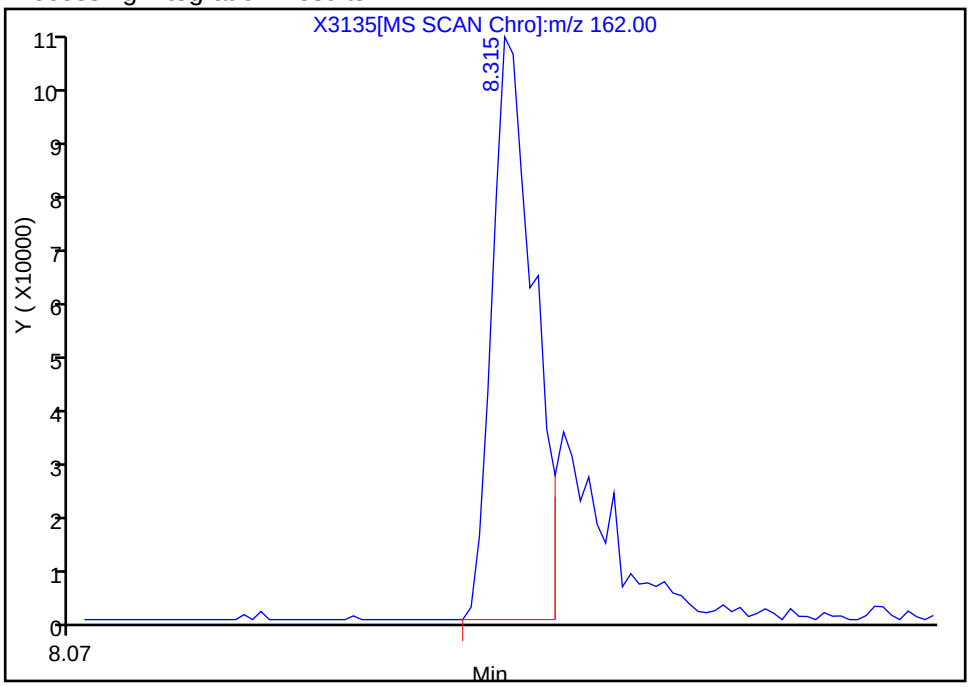
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3135.D		
Injection Date:	18-Dec-2012 13:01:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	6
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

47 2,4-Dichlorophenol, Signal: 1, m/z: 162.0 Type: quant, RT: 8.32

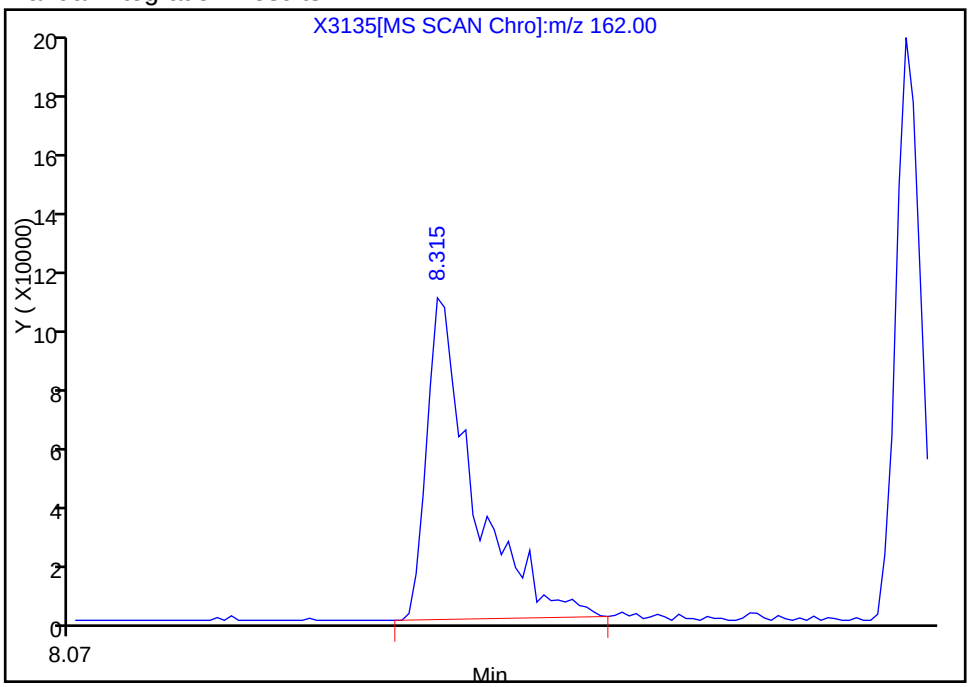
Processing Integration Results

RT: 8.32
Response: 173410
Amount: 4.272565



Manual Integration Results

RT: 8.32
Response: 230653
Amount: 4.717684



Reviewer: mckernar, 18-Dec-2012 13:38:28
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 18-Dec-2012 16:43:10 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

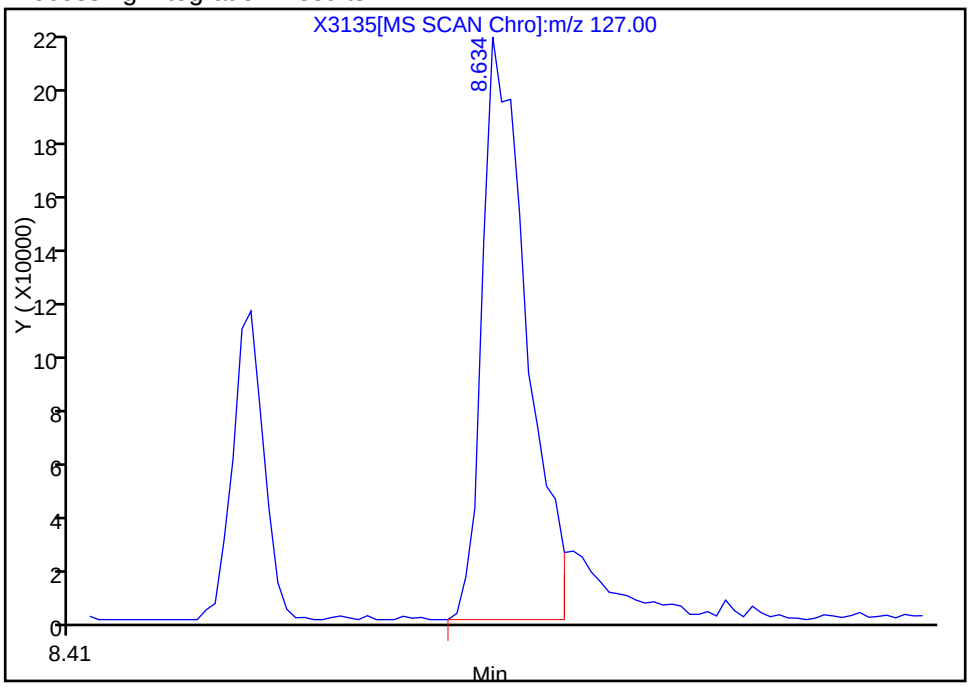
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3135.D		
Injection Date:	18-Dec-2012 13:01:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	6
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

51 4-Chloroaniline, Signal: 1, m/z: 127.0 Type: quant, RT: 8.63

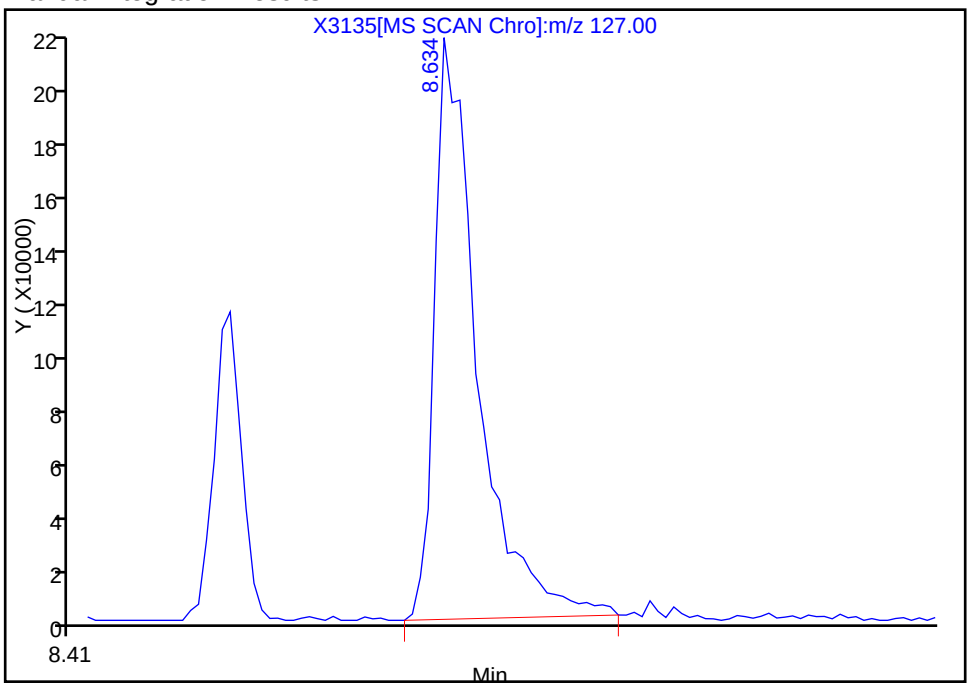
Processing Integration Results

RT: 8.63
Response: 355055
Amount: 5.331673



Manual Integration Results

RT: 8.63
Response: 389521
Amount: 5.403583



Reviewer: mckernar, 18-Dec-2012 13:38:28
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

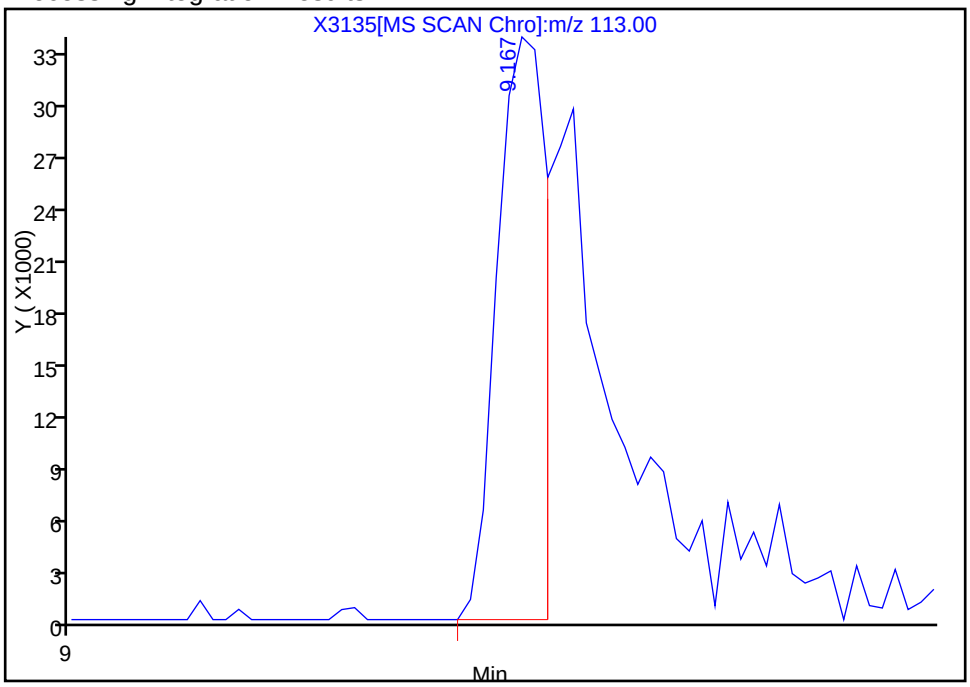
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3135.D		
Injection Date:	18-Dec-2012 13:01:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	6
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

54 Caprolactam, Signal: 1, m/z: 113.0 Type: quant, RT: 9.17

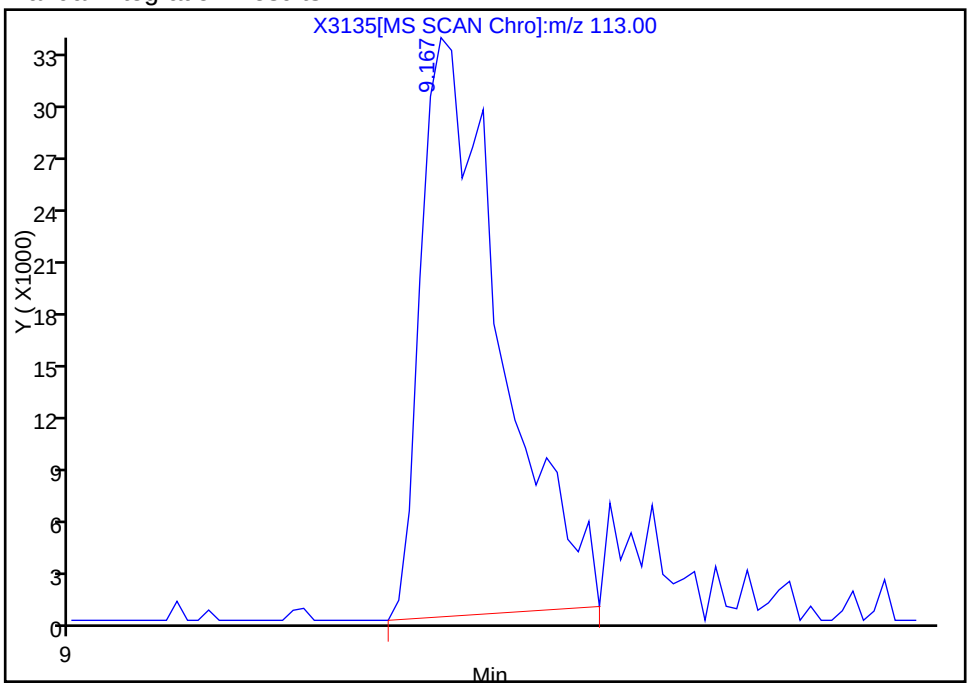
Processing Integration Results

RT: 9.17
Response: 42579
Amount: 3.003738



Manual Integration Results

RT: 9.17
Response: 83067
Amount: 4.668063



Reviewer: mckernar, 18-Dec-2012 13:38:28
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

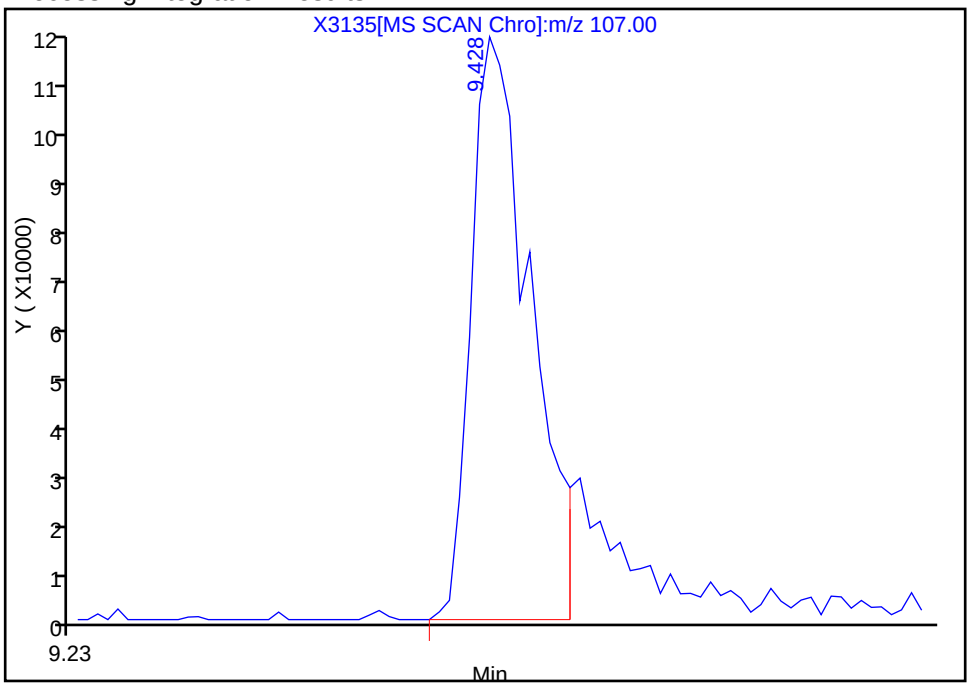
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3135.D		
Injection Date:	18-Dec-2012 13:01:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	6
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

55 4-Chloro-3-methylphenol, Signal: 1, m/z: 107.0 Type: quant, RT: 9.43

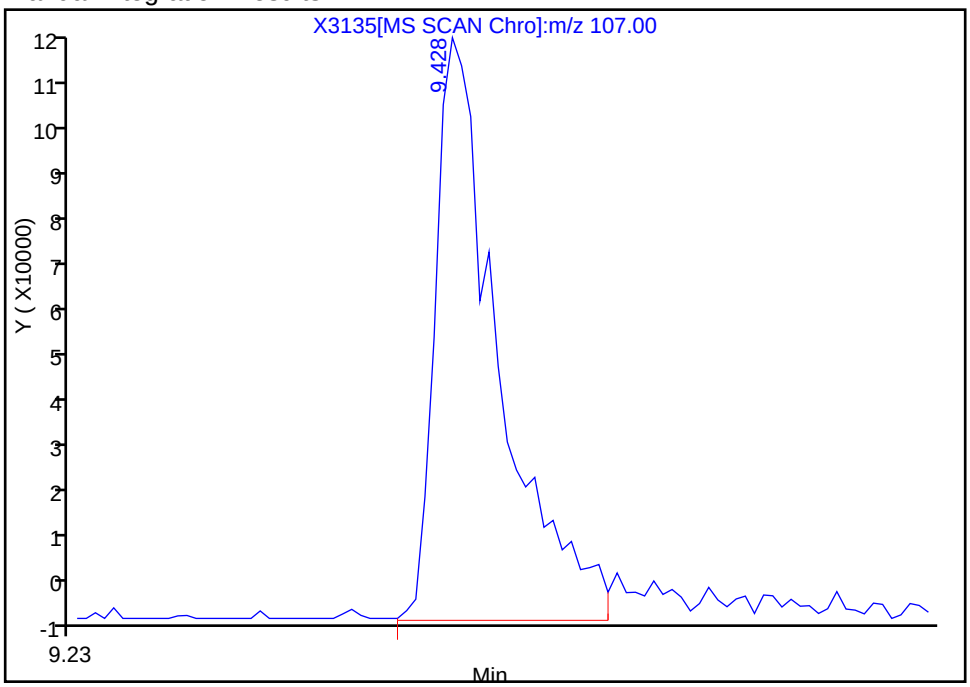
Processing Integration Results

RT: 9.43
Response: 232490
Amount: 4.795588



Manual Integration Results

RT: 9.43
Response: 273525
Amount: 5.063864



Reviewer: mckernar, 18-Dec-2012 13:38:28
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

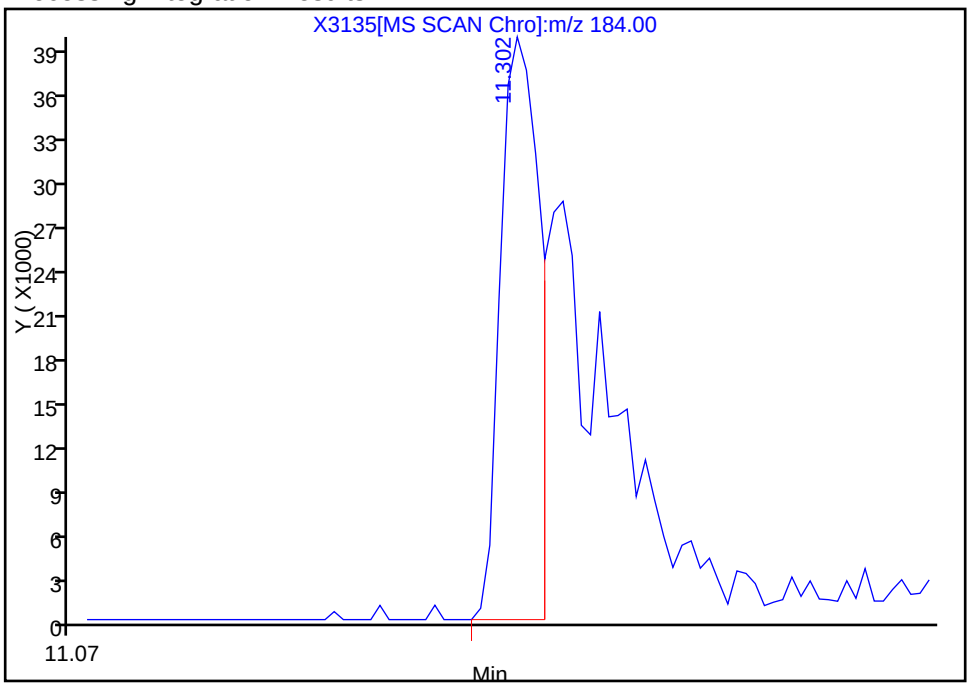
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3135.D		
Injection Date:	18-Dec-2012 13:01:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	6
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

72 2,4-Dinitrophenol, Signal: 1, m/z: 184.0 Type: quant, RT: 11.30

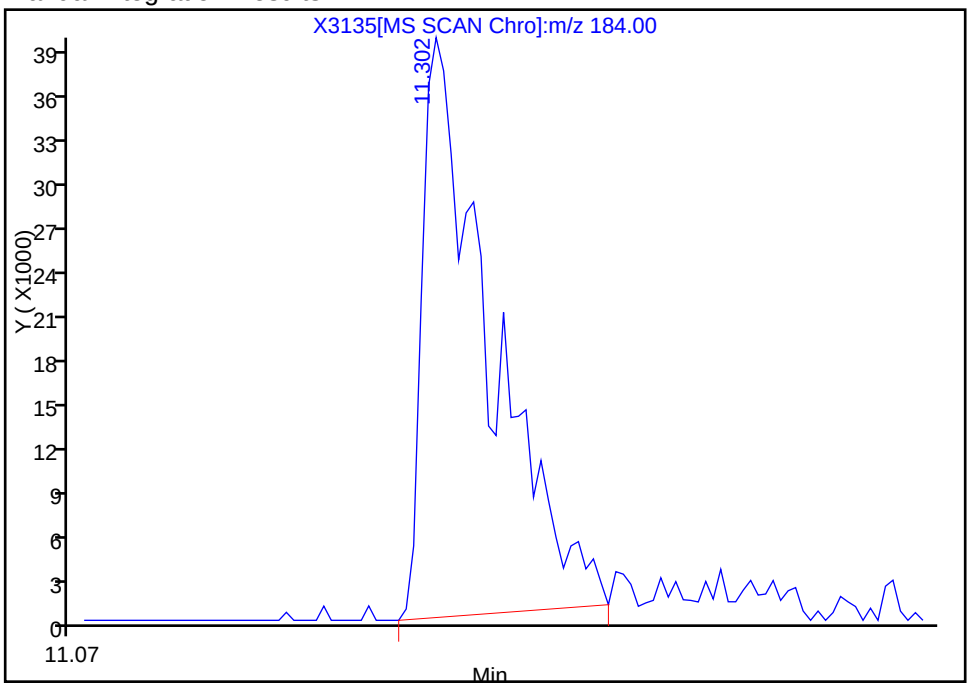
Processing Integration Results

RT: 11.30
Response: 56625
Amount: 8.073030



Manual Integration Results

RT: 11.30
Response: 117671
Amount: 9.684066



Reviewer: mckernar, 18-Dec-2012 13:38:28
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

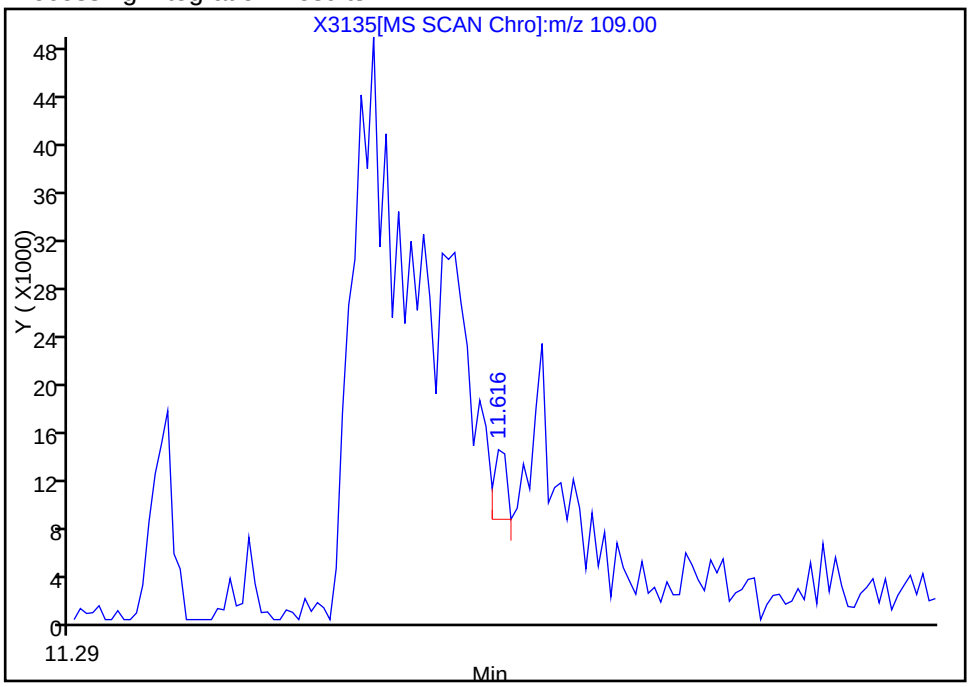
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3135.D		
Injection Date:	18-Dec-2012 13:01:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	6
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

75 4-Nitrophenol, Signal: 1, m/z: 109.0 Type: quant, RT: 11.52

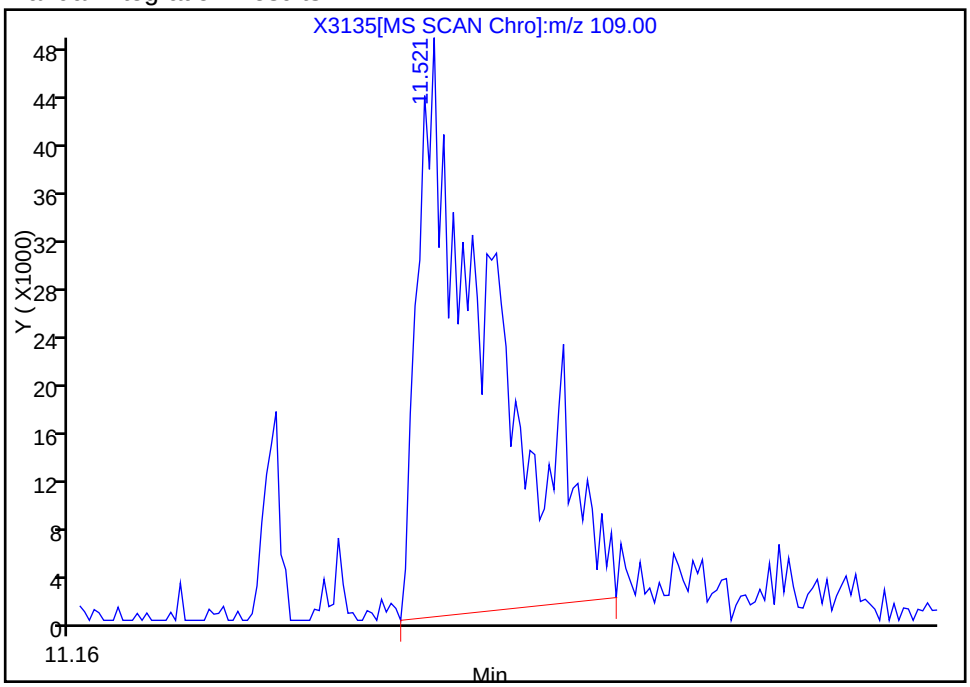
Processing Integration Results

RT: 11.62
Response: 3899
Amount: 0.281055



Manual Integration Results

RT: 11.52
Response: 240901
Amount: 8.293084



Reviewer: mckernar, 18-Dec-2012 13:39:45
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3136.D		
Lims ID:	IC - 8.0	Client ID:	
Inject. Date:	18-Dec-2012 13:27:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	6
Sample ID:	480-0017654-007		
Misc. Info.:			
Operator:	ANM	Instrument ID:	HP5973X
Injection Vol:	1.0 ul	ALS Bottle#:	8
Lims Batch ID:	96347	Lims Sample ID:	7
Sublist:	chrom-X-8270LL*sub20		
Detector:	MS SCAN		

Method:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X-8270LL.m		
Last Update:	18-Dec-2012 16:43:12	Calib Date:	18-Dec-2012 14:44:30
Quant Method:	Internal Standard	Quant By:	Continuing Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3139.D		
Limit Group:	MB - 8270RCP_MCP ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm
Process Host:	XAWRK017		

First Level Reviewer: mckernar Date: 18-Dec-2012 16:43:12

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.560	6.580	-0.020	86	339895	5.00	
* 2 Naphthalene-d8	136	8.453	8.472	-0.019	97	1271115	5.00	
* 3 Acenaphthene-d10	164	11.092	11.107	-0.015	91	816164	5.00	
* 4 Phenanthrene-d10	188	13.109	13.123	-0.014	97	1402321	5.00	
* 5 Chrysene-d12	240	15.748	15.763	-0.015	86	1192453	5.00	
* 6 Perylene-d12	264	17.032	17.028	0.004	98	1194928	5.00	
$ 7 2-Fluorophenol	112	4.668	4.692	-0.024	72	654708	8.49	
$ 8 Phenol-d5	99	6.075	6.099	-0.024	86	844048	8.99	
$ 9 Nitrobenzene-d5	82	7.397	7.417	-0.020	82	822289	8.63	
$ 10 2-Fluorobiphenyl	172	10.099	10.113	-0.014	94	1780602	8.69	
$ 11 2,4,6-Tribromophenol	330	12.258	12.277	-0.019	70	212336	8.23	
$ 12 p-Terphenyl-d14	244	14.783	14.797	-0.014	95	1943117	8.45	
18 1,4-Dioxane	88	2.442	2.461	-0.019	69	274129	7.88	
19 N-Nitrosodimethylamine	42	2.775	2.804	-0.029	57	481999	7.76	
20 Pyridine	52	2.837	2.865	-0.028	83	533896	8.47	
21 Benzaldehyde	77	5.923	5.942	-0.019	89	585331	8.79	
23 Aniline	93	6.090	6.109	-0.019	83	1067055	8.57	
22 Phenol	94	6.094	6.123	-0.029	32	879706	8.50	
24 Bis(2-chloroethyl)ether	93	6.189	6.213	-0.024	98	706760	8.67	
25 2-Chlorophenol	128	6.256	6.280	-0.024	99	756039	8.59	
26 1,3-Dichlorobenzene	146	6.470	6.489	-0.019	97	874752	8.01	
27 1,4-Dichlorobenzene	146	6.584	6.608	-0.024	80	853150	7.82	
29 1,2-Dichlorobenzene	146	6.803	6.822	-0.019	83	824565	8.11	
28 Benzyl alcohol	108	6.803	6.822	-0.019	78	284927	8.83	M
32 2,2'-oxybis[1-chloropropane]	45	6.998	7.012	-0.014	70	1078723	8.14	M
31 2-Methylphenol	108	6.988	7.008	-0.020	74	625380	8.46	
33 Acetophenone	105	7.174	7.198	-0.024	94	1079098	8.56	
34 N-Nitrosodi-n-propylamine	70	7.188	7.203	-0.015	81	549733	8.68	
36 4-Methylphenol	108	7.231	7.260	-0.029	76	663847	8.87	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
37 Hexachloroethane	117	7.298	7.317	-0.019	94	347801	8.04	
38 Nitrobenzene	77	7.426	7.445	-0.019	77	870162	8.80	
40 Isophorone	82	7.787	7.806	-0.019	77	1395972	8.58	
41 2-Nitrophenol	139	7.901	7.921	-0.020	90	394353	8.76	
43 2,4-Dimethylphenol	107	8.016	8.040	-0.024	87	679754	8.00	
45 Bis(2-chloroethoxy)methane	93	8.134	8.154	-0.020	99	828733	8.60	
44 Benzoic acid	105	8.201	8.225	-0.024	79	336624	7.83	
47 2,4-Dichlorophenol	162	8.291	8.315	-0.024	84	623483	9.02	
48 1,2,4-Trichlorobenzene	180	8.377	8.396	-0.019	97	692492	8.15	
49 Naphthalene	128	8.486	8.506	-0.020	94	2267220	8.05	
51 4-Chloroaniline	127	8.615	8.634	-0.019	91	920833	9.04	
52 Hexachlorobutadiene	225	8.681	8.701	-0.020	84	381102	8.21	
54 Caprolactam	113	9.152	9.167	-0.015	76	213982	8.51	
55 4-Chloro-3-methylphenol	107	9.404	9.428	-0.024	95	660073	8.65	
56 2-Methylnaphthalene	142	9.533	9.547	-0.014	79	1614748	8.18	
57 1-Methylnaphthalene	142	9.675	9.694	-0.019	94	1445623	7.95	
58 Hexachlorocyclopentadiene	237	9.766	9.780	-0.014	88	268404	8.82	
59 1,2,4,5-Tetrachlorobenzene	216	9.789	9.804	-0.015	88	629812	8.23	
60 2,4,6-Trichlorophenol	196	9.989	10.013	-0.024	94	423301	8.98	
61 2,4,5-Trichlorophenol	196	10.075	10.108	-0.033	92	387150	8.49	
62 1,1'-Biphenyl	154	10.246	10.260	-0.014	99	1980431	8.39	
63 2-Chloronaphthalene	162	10.289	10.303	-0.014	95	1457956	7.98	
64 Phenyl ether	170	10.408	10.422	-0.014	93	1031531	8.04	
65 2-Nitroaniline	65	10.465	10.484	-0.019	81	487023	9.01	
66 1,4-Dinitrobenzene	75	10.693	10.717	-0.024	83	318305	0	
67 Dimethyl phthalate	163	10.750	10.764	-0.014	94	1765594	8.36	
68 2,6-Dinitrotoluene	165	10.836	10.850	-0.014	92	832086	8.69	
69 Acenaphthylene	152	10.878	10.893	-0.015	89	2328468	8.16	
70 3-Nitroaniline	138	11.102	11.126	-0.024	91	424215	8.92	
71 Acenaphthene	153	11.140	11.154	-0.014	89	1522028	7.66	
72 2,4-Dinitrophenol	184	11.268	11.302	-0.034	88	362929	18.2	
73 Dibenzofuran	168	11.406	11.425	-0.019	98	2086550	8.60	
74 2,4-Dinitrotoluene	165	11.444	11.468	-0.024	1	556737	9.11	
75 4-Nitrophenol	109	11.478	11.521	-0.043	35	742608	18.2	M
76 2,3,4,6-Tetrachlorophenol	232	11.630	11.649	-0.019	86	354070	9.65	
78 Diethyl phthalate	149	11.806	11.820	-0.014	92	1906615	8.24	
79 Fluorene	166	11.910	11.930	-0.020	81	1869207	8.43	
80 4-Chlorophenyl phenyl ether	204	11.929	11.944	-0.015	87	786759	8.01	
81 4-Nitroaniline	138	12.010	12.039	-0.029	82	429983	8.20	
82 4,6-Dinitro-2-methylphenol	198	12.039	12.063	-0.024	72	599821	17.1	
84 Diphenylamine	169	12.105	12.120	-0.015	98	2811342	8.61	
83 N-Nitrosodiphenylamine	169	12.105	12.120	-0.015	98	2811342	8.62	
16 1,2-Diphenylhydrazine	77	12.148	12.163	-0.015	95	1848610	8.77	
85 Azobenzene	77	12.148	12.163	-0.015	96	1848610	8.79	
86 Benzophenone	105	12.172	12.186	-0.014	99	1589648	8.19	
89 4-Bromophenyl phenyl ether	248	12.576	12.591	-0.015	87	449135	8.54	
91 Hexachlorobenzene	284	12.638	12.652	-0.014	77	457006	8.25	
92 Simazine	201	12.790	12.800	-0.010	84	266586	0	
93 Atrazine	200	12.828	12.838	-0.010	89	1022023	16.6	
95 Pentachloronitrobenzene	237	12.904	12.923	-0.019	84	248006	8.39	
94 Pentachlorophenol	266	12.909	12.928	-0.019	75	454013	16.8	
97 Phenanthrene	178	13.133	13.152	-0.019	95	2527721	8.09	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
98 Anthracene	178	13.194	13.214	-0.020	95	2585516	8.12	
99 Carbazole	167	13.404	13.418	-0.014	98	2442448	8.27	
101 Alachlor	160	13.551	13.565	-0.014	92	527446	0	
102 Di-n-butyl phthalate	149	13.789	13.803	-0.014	96	2901712	8.48	
104 Fluoranthene	202	14.412	14.426	-0.014	97	2561675	8.28	
105 Benzidine	184	14.578	14.593	-0.015	99	967877	7.35	
106 Pyrene	202	14.631	14.650	-0.019	97	2601583	8.14	
107 Famphur	218	15.187	15.197	-0.010	82	1035771	0	
108 Butyl benzyl phthalate	149	15.230	15.244	-0.014	94	1505198	8.52	
110 Bis(2-ethylhexyl) phthalate	149	15.724	15.734	-0.010	95	1973002	8.11	
109 3,3'-Dichlorobenzidine	252	15.724	15.734	-0.010	70	954780	8.91	
111 Benzo[a]anthracene	228	15.739	15.748	-0.009	97	2260080	8.80	
112 Chrysene	228	15.772	15.786	-0.014	92	2128833	7.31	
113 Di-n-octyl phthalate	149	16.262	16.271	-0.009	97	3000016	7.82	
114 Benzo[b]fluoranthene	252	16.671	16.676	-0.005	94	2362892	8.51	
115 Benzo[k]fluoranthene	252	16.695	16.699	-0.005	98	2403639	8.41	
116 Benzo[a]pyrene	252	16.975	16.975	0.0	73	2088226	7.78	
118 Dibenz(a,h)anthracene	278	18.102	18.093	0.009	54	2044151	8.41	
117 Indeno[1,2,3-cd]pyrene	276	18.102	18.088	0.014	94	2410742	8.42	
119 Benzo[g,h,i]perylene	276	18.416	18.402	0.014	92	1994596	8.35	
S 121 3-Methylphenol	1		0.000					

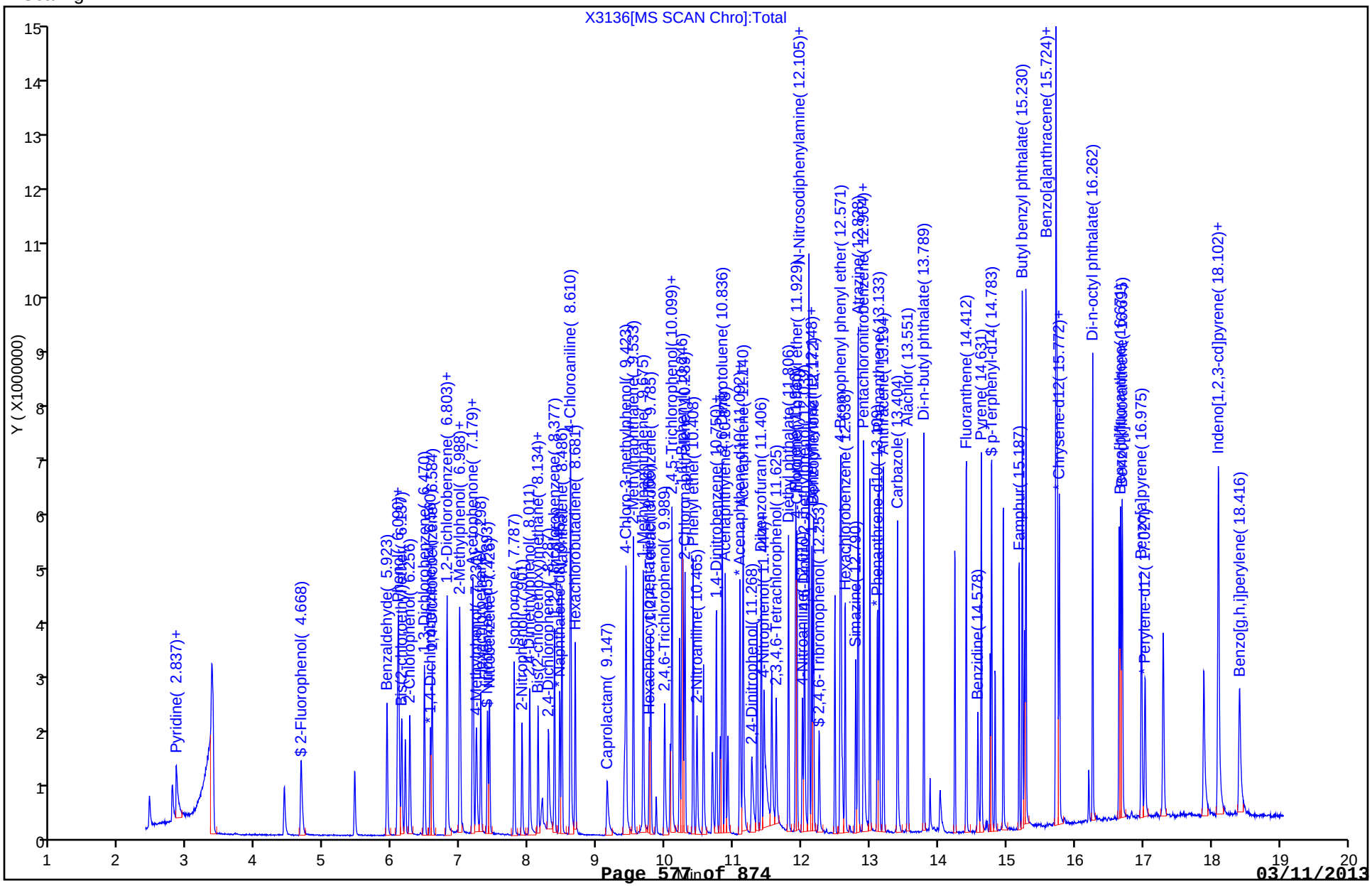
QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 18-Dec-2012 16:43:13 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3136.D		
Injection Date:	18-Dec-2012 13:27:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	7
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm
Y Scaling:			



Manual Integration/User Assign Peak Report

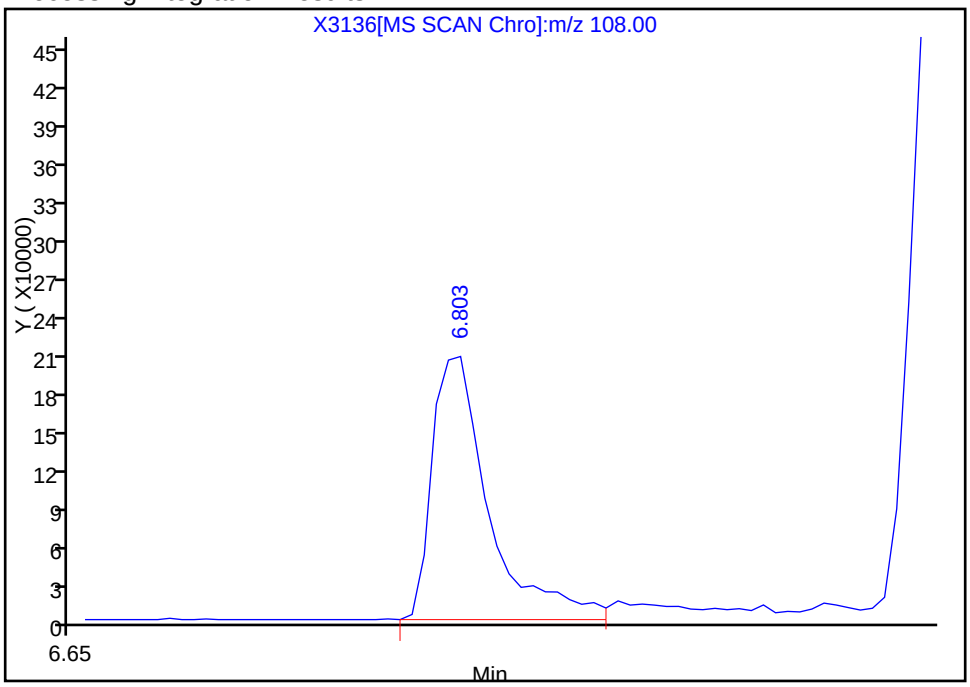
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3136.D		
Injection Date:	18-Dec-2012 13:27:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	7
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

28 Benzyl alcohol, Signal: 1, m/z: 108.0 Type: quant, RT: 6.82

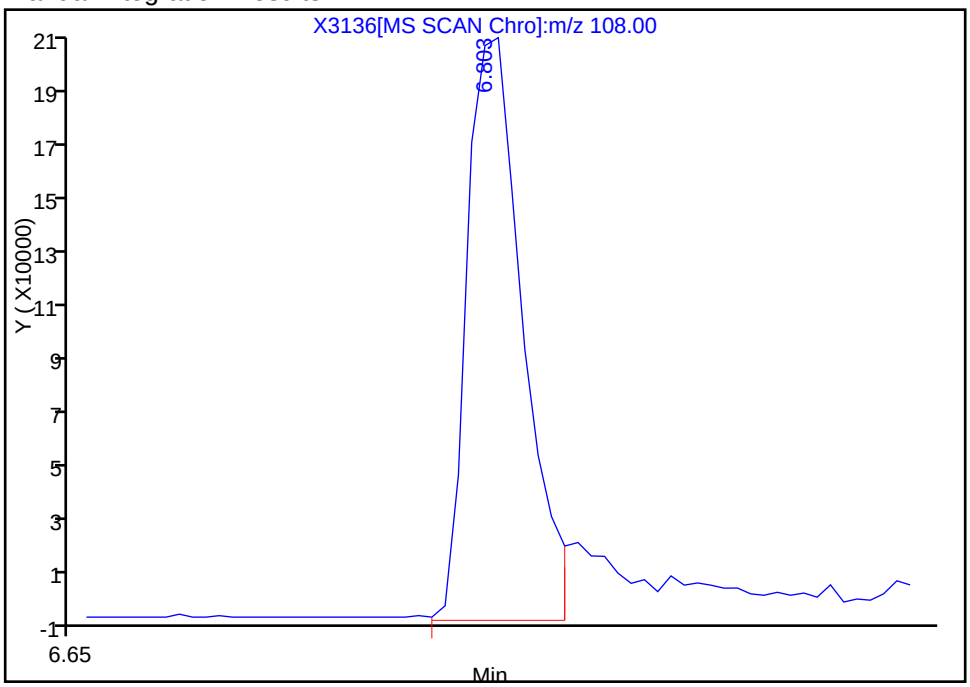
Processing Integration Results

RT: 6.80
Response: 315225
Amount: 10.550089



Manual Integration Results

RT: 6.80
Response: 284927
Amount: 8.829450



Reviewer: mckernar, 18-Dec-2012 15:37:38
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

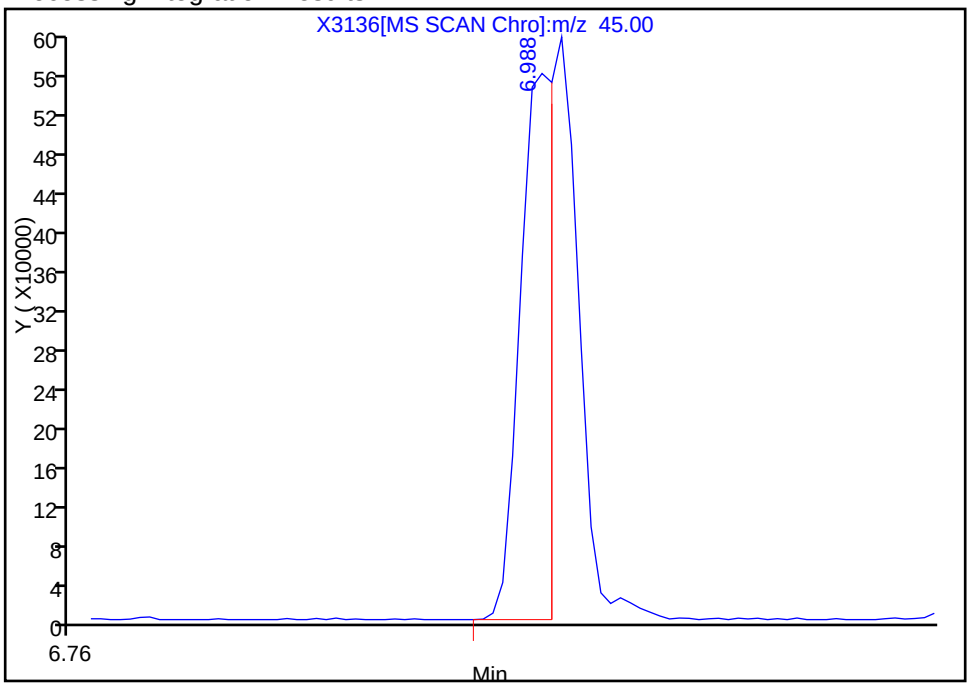
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3136.D		
Injection Date:	18-Dec-2012 13:27:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	7
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

32 2,2'-oxybis[1-chloropropane], Signal: 1, m/z: 45.0 Type: quant, RT: 7.01

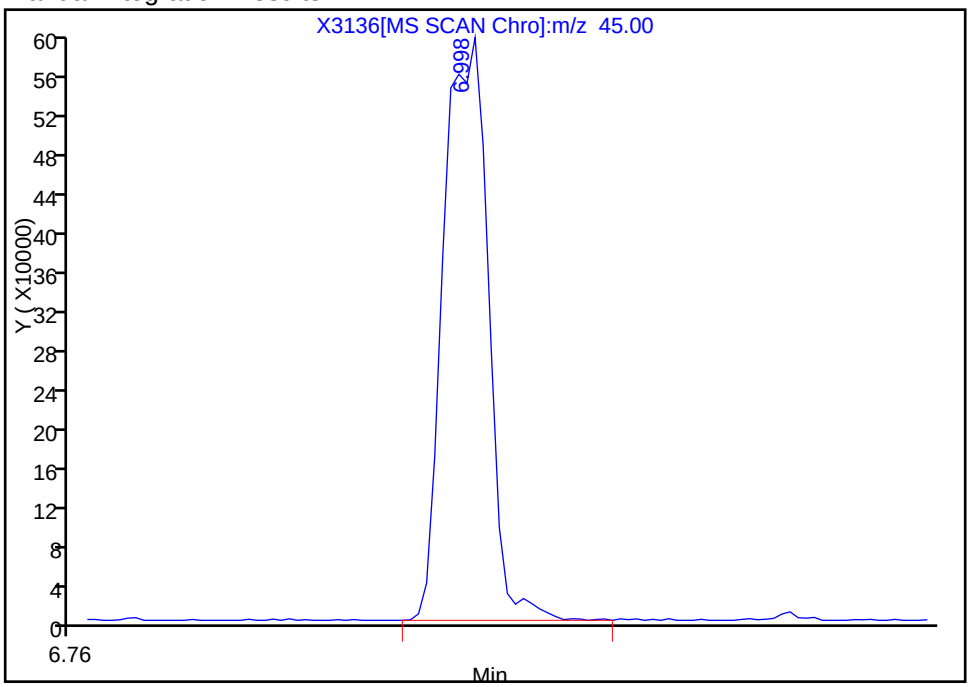
Processing Integration Results

RT: 6.99
Response: 634494
Amount: 5.745350



Manual Integration Results

RT: 7.00
Response: 1078723
Amount: 8.141182



Reviewer: mckernar, 18-Dec-2012 15:19:18
Audit Action: Manually Integrated
Audit Reason: Split Peak

Report Date: 18-Dec-2012 16:43:13 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

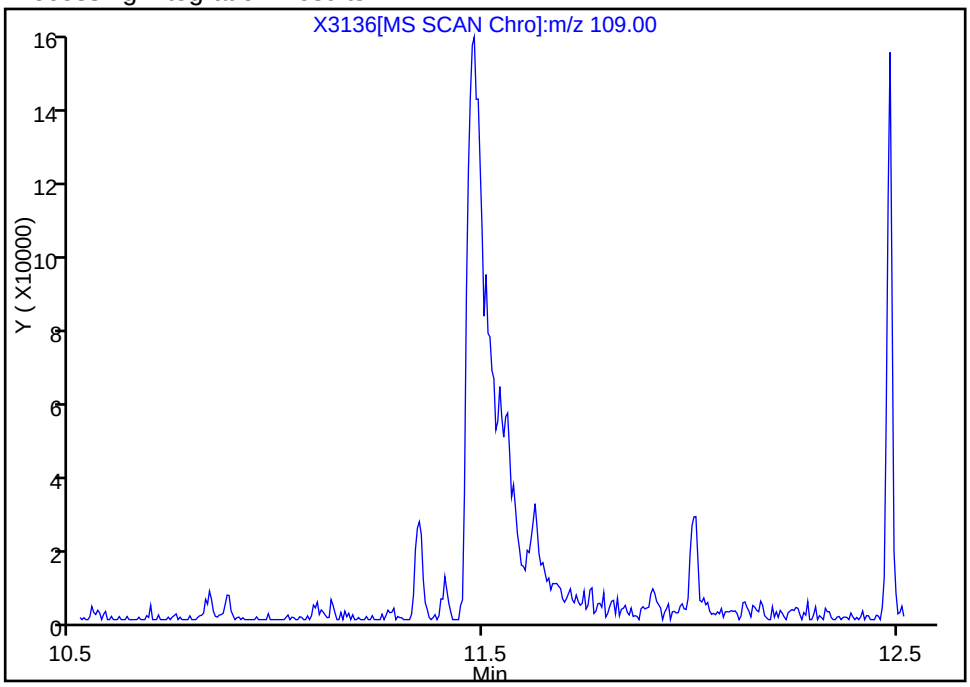
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3136.D		
Injection Date:	18-Dec-2012 13:27:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	7
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

75 4-Nitrophenol, Signal: 1, m/z: 109.0 Type: quant, RT: 11.52

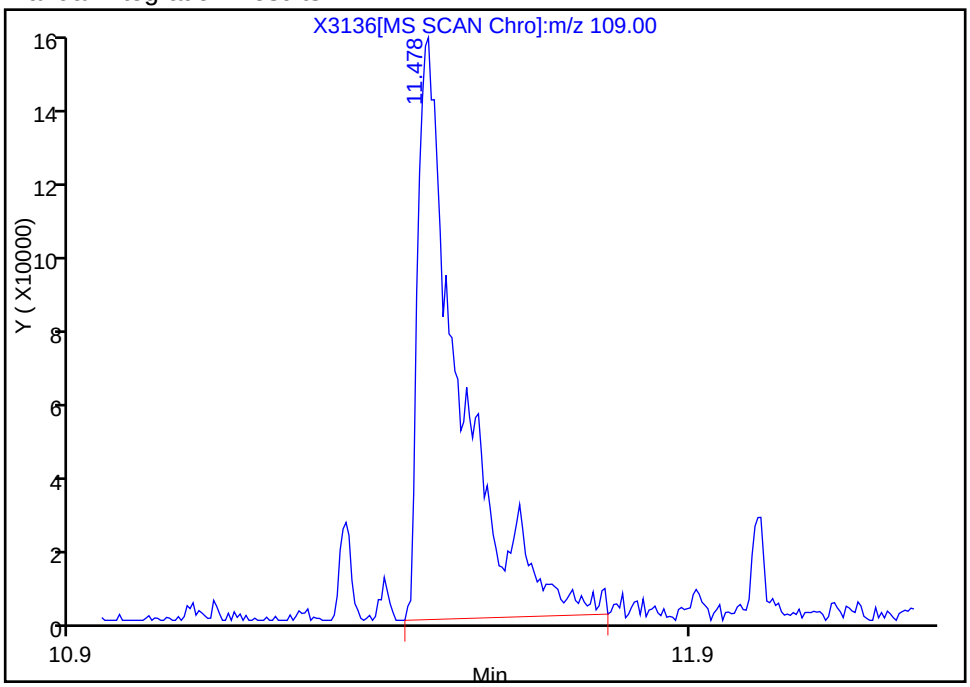
Processing Integration Results

Not Detected
Expected RT: 11.52



Manual Integration Results

RT: 11.48
Response: 742608
Amount: 18.178273



Reviewer: mckernar, 18-Dec-2012 15:24:32
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3137.D		
Lims ID:	IC - 10	Client ID:	
Inject. Date:	18-Dec-2012 13:52:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	7
Sample ID:	480-0017654-008		
Misc. Info.:			
Operator:	ANM	Instrument ID:	HP5973X
Injection Vol:	1.0 ul	ALS Bottle#:	9
Lims Batch ID:	96347	Lims Sample ID:	8
Sublist:	chrom-X-8270LL*sub20		
Detector:	MS SCAN		

Method:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X-8270LL.m		
Last Update:	18-Dec-2012 16:43:15	Calib Date:	18-Dec-2012 14:44:30
Quant Method:	Internal Standard	Quant By:	Continuing Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3139.D		
Limit Group:	MB - 8270RCP_MCP ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm
Process Host:	XAWRK017		

First Level Reviewer: mckernar Date: 18-Dec-2012 16:43:15

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.575	6.580	-0.005	85	227557	5.00	
* 2 Naphthalene-d8	136	8.468	8.472	-0.004	97	824984	5.00	
* 3 Acenaphthene-d10	164	11.102	11.107	-0.005	90	545305	5.00	
* 4 Phenanthrene-d10	188	13.109	13.123	-0.014	96	947569	5.00	
* 5 Chrysene-d12	240	15.753	15.763	-0.010	86	783530	5.00	
* 6 Perylene-d12	264	17.032	17.028	0.004	97	798922	5.00	
$ 7 2-Fluorophenol	112	4.668	4.692	-0.024	70	551618	10.7	
$ 8 Phenol-d5	99	6.090	6.099	-0.009	91	654753	10.4	
$ 9 Nitrobenzene-d5	82	7.412	7.417	-0.005	83	688051	11.1	
$ 10 2-Fluorobiphenyl	172	10.113	10.113	0.0	95	1394341	10.2	
$ 11 2,4,6-Tribromophenol	330	12.263	12.277	-0.015	58	178118	10.2	
$ 12 p-Terphenyl-d14	244	14.783	14.797	-0.014	94	1581956	10.5	
18 1,4-Dioxane	88	2.437	2.461	-0.024	68	238920	10.3	
19 N-Nitrosodimethylamine	42	2.775	2.804	-0.029	62	427954	10.3	
20 Pyridine	52	2.832	2.865	-0.033	78	472669	11.2	M
21 Benzaldehyde	77	5.938	5.942	-0.004	90	484031	10.9	
23 Aniline	93	6.104	6.109	-0.005	92	898855	10.8	
22 Phenol	94	6.114	6.123	-0.009	44	727444	10.5	
24 Bis(2-chloroethyl)ether	93	6.209	6.213	-0.004	99	566636	10.4	
25 2-Chlorophenol	128	6.270	6.280	-0.010	98	626749	10.6	
26 1,3-Dichlorobenzene	146	6.489	6.489	0.0	97	714124	9.77	
27 1,4-Dichlorobenzene	146	6.603	6.608	-0.005	72	726551	9.95	
29 1,2-Dichlorobenzene	146	6.822	6.822	0.0	83	687435	10.1	
28 Benzyl alcohol	108	6.817	6.822	-0.005	76	204121	9.33	
31 2-Methylphenol	108	7.008	7.008	0.0	72	511538	10.3	
32 2,2'-oxybis[1-chloropropane]	45	7.008	7.012	-0.004	77	883332	9.96	
33 Acetophenone	105	7.193	7.198	-0.005	96	912298	10.8	
34 N-Nitrosodi-n-propylamine	70	7.203	7.203	0.0	89	455997	10.8	
36 4-Methylphenol	108	7.250	7.260	-0.010	78	506328	10.1	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
37 Hexachloroethane	117	7.317	7.317	0.0	95	291465	10.1	
38 Nitrobenzene	77	7.440	7.445	-0.005	78	725852	11.3	
40 Isophorone	82	7.807	7.806	0.001	75	1163254	11.0	
41 2-Nitrophenol	139	7.916	7.921	-0.005	88	334536	11.4	
43 2,4-Dimethylphenol	107	8.030	8.040	-0.010	85	551253	10.0	
45 Bis(2-chloroethoxy)methane	93	8.154	8.154	0.0	100	684999	11.0	
44 Benzoic acid	105	8.211	8.225	-0.014	89	323222	10.7	M
47 2,4-Dichlorophenol	162	8.311	8.315	-0.004	81	492239	11.0	
48 1,2,4-Trichlorobenzene	180	8.391	8.396	-0.005	93	582458	10.6	
49 Naphthalene	128	8.501	8.506	-0.005	93	1855626	10.2	
51 4-Chloroaniline	127	8.629	8.634	-0.005	94	767419	11.6	
52 Hexachlorobutadiene	225	8.696	8.701	-0.005	85	310593	10.3	
54 Caprolactam	113	9.167	9.167	0.0	82	175706	10.8	
55 4-Chloro-3-methylphenol	107	9.419	9.428	-0.009	94	554322	11.2	
56 2-Methylnaphthalene	142	9.547	9.547	0.0	77	1355238	10.6	
57 1-Methylnaphthalene	142	9.690	9.694	-0.004	93	1200320	10.2	
58 Hexachlorocyclopentadiene	237	9.780	9.780	0.0	87	204383	9.87	
59 1,2,4,5-Tetrachlorobenzene	216	9.799	9.804	-0.005	90	509829	9.97	
60 2,4,6-Trichlorophenol	196	10.004	10.013	-0.009	96	337292	10.7	
61 2,4,5-Trichlorophenol	196	10.089	10.108	-0.019	94	310061	10.2	
62 1,1'-Biphenyl	154	10.256	10.260	-0.004	98	1623648	10.3	
63 2-Chloronaphthalene	162	10.303	10.303	0.0	96	1187040	9.86	
64 Phenyl ether	170	10.422	10.422	0.0	95	880313	10.3	
65 2-Nitroaniline	65	10.479	10.484	-0.005	80	414625	11.5	
66 1,4-Dinitrobenzene	75	10.703	10.717	-0.014	80	264150	0	
67 Dimethyl phthalate	163	10.760	10.764	-0.004	93	1466290	10.4	
68 2,6-Dinitrotoluene	165	10.845	10.850	-0.005	90	682331	10.7	
69 Acenaphthylene	152	10.893	10.893	0.0	90	1934738	10.1	
70 3-Nitroaniline	138	11.112	11.126	-0.014	91	344877	10.9	
71 Acenaphthene	153	11.150	11.154	-0.004	89	1279309	9.63	
72 2,4-Dinitrophenol	184	11.283	11.302	-0.019	81	263071	19.3	
73 Dibenzofuran	168	11.416	11.425	-0.009	99	1759046	10.9	
74 2,4-Dinitrotoluene	165	11.459	11.468	-0.009	1	434611	10.6	
75 4-Nitrophenol	109	11.487	11.521	-0.034	36	599830	22.0	M
76 2,3,4,6-Tetrachlorophenol	232	11.635	11.649	-0.014	84	265067	10.8	
78 Diethyl phthalate	149	11.811	11.820	-0.009	93	1570153	10.2	
79 Fluorene	166	11.920	11.930	-0.010	81	1495486	10.1	
80 4-Chlorophenyl phenyl ether	204	11.934	11.944	-0.010	89	690804	10.5	
81 4-Nitroaniline	138	12.020	12.039	-0.019	86	355912	10.1	
82 4,6-Dinitro-2-methylphenol	198	12.048	12.063	-0.015	60	460957	19.5	
84 Diphenylamine	169	12.110	12.120	-0.010	98	2356835	10.7	
83 N-Nitrosodiphenylamine	169	12.110	12.120	-0.010	98	2356835	10.7	
16 1,2-Diphenylhydrazine	77	12.153	12.163	-0.010	95	1504259	10.6	
85 Azobenzene	77	12.153	12.163	-0.010	96	1504259	10.6	
86 Benzophenone	105	12.177	12.186	-0.009	98	1371516	10.6	
89 4-Bromophenyl phenyl ether	248	12.581	12.591	-0.010	85	356637	10.0	
91 Hexachlorobenzene	284	12.643	12.652	-0.009	75	356606	9.52	
92 Simazine	201	12.795	12.800	-0.005	81	221761	0	
93 Atrazine	200	12.828	12.838	-0.010	89	851009	20.7	
95 Pentachloronitrobenzene	237	12.909	12.923	-0.014	84	203475	10.1	
94 Pentachlorophenol	266	12.914	12.928	-0.014	74	350777	19.0	
97 Phenanthrene	178	13.138	13.152	-0.014	95	2095399	9.92	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
98 Anthracene	178	13.199	13.214	-0.015	95	2168904	10.1	
99 Carbazole	167	13.409	13.418	-0.009	99	2048671	10.3	
101 Alachlor	160	13.556	13.565	-0.009	92	432732	0	
102 Di-n-butyl phthalate	149	13.794	13.803	-0.009	96	2480138	10.7	
104 Fluoranthene	202	14.417	14.426	-0.009	97	2140236	10.2	
105 Benzidine	184	14.583	14.593	-0.010	99	948443	11.0	
106 Pyrene	202	14.636	14.650	-0.014	98	2193396	10.4	
107 Famphur	218	15.187	15.197	-0.010	84	815917	0	
108 Butyl benzyl phthalate	149	15.235	15.244	-0.009	94	1240379	10.7	
109 3,3'-Dichlorobenzidine	252	15.725	15.734	-0.009	76	802227	11.4	
110 Bis(2-ethylhexyl) phthalate	149	15.729	15.734	-0.005	96	1684176	10.5	
111 Benzo[a]anthracene	228	15.744	15.748	-0.004	96	1887844	11.2	
112 Chrysene	228	15.777	15.786	-0.009	92	1725366	9.01	
113 Di-n-octyl phthalate	149	16.267	16.271	-0.004	97	2547438	10.1	
114 Benzo[b]fluoranthene	252	16.676	16.676	0.0	94	1995763	10.8	
115 Benzo[k]fluoranthene	252	16.699	16.699	0.0	96	1919421	10.0	
116 Benzo[a]pyrene	252	16.975	16.975	0.0	65	1767745	9.85	
117 Indeno[1,2,3-cd]pyrene	276	18.093	18.088	0.005	94	2018453	10.5	
118 Dibenz(a,h)anthracene	278	18.093	18.093	0.0	47	1672694	10.3	
119 Benzo[g,h,i]perylene	276	18.402	18.402	0.0	96	1495294	9.36	
S 121 3-Methylphenol	1		0.000					

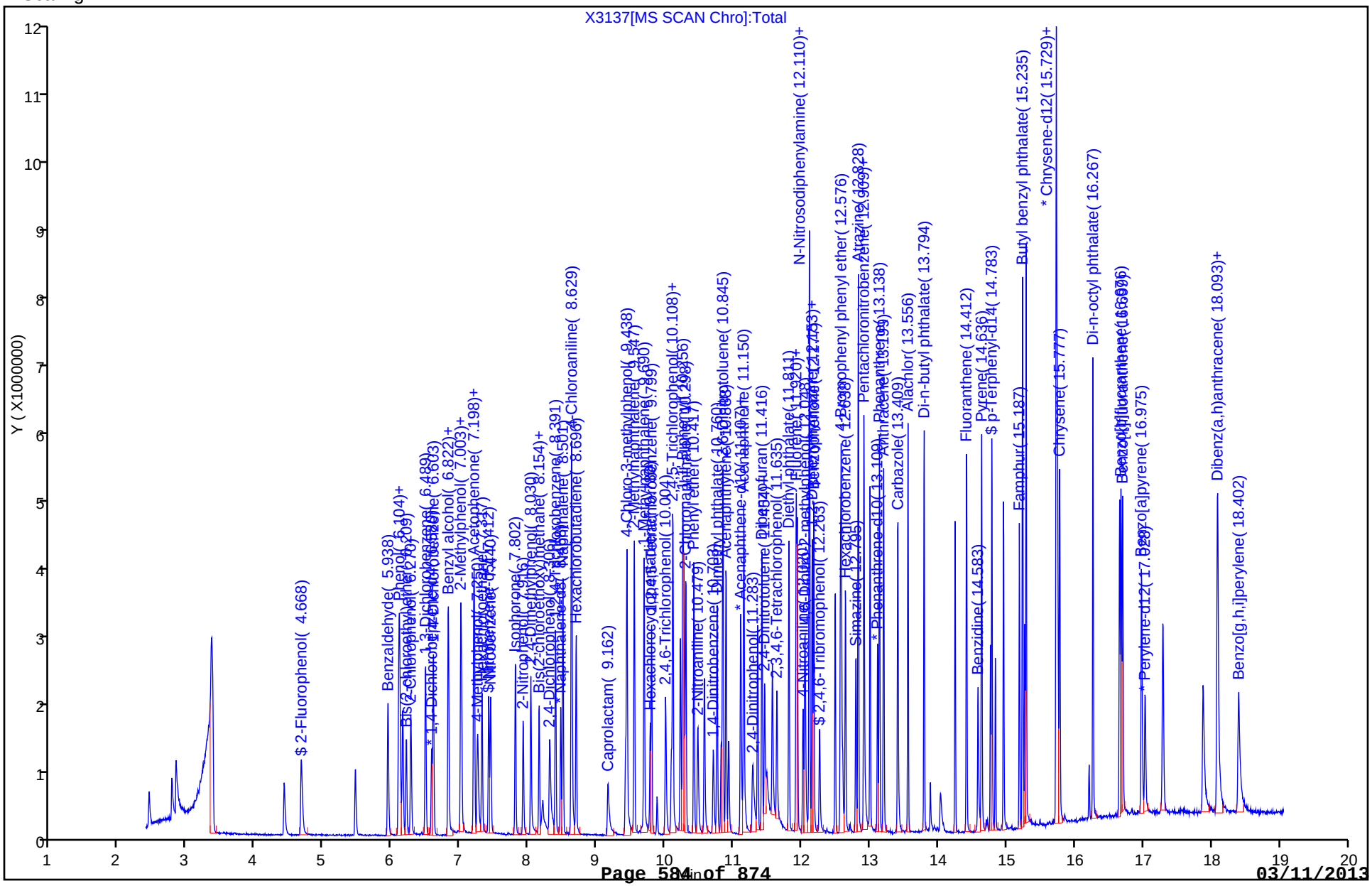
QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 18-Dec-2012 16:43:15 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3137.D		
Injection Date:	18-Dec-2012 13:52:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	8
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm
Y Scaling:			



Report Date: 18-Dec-2012 16:43:15 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

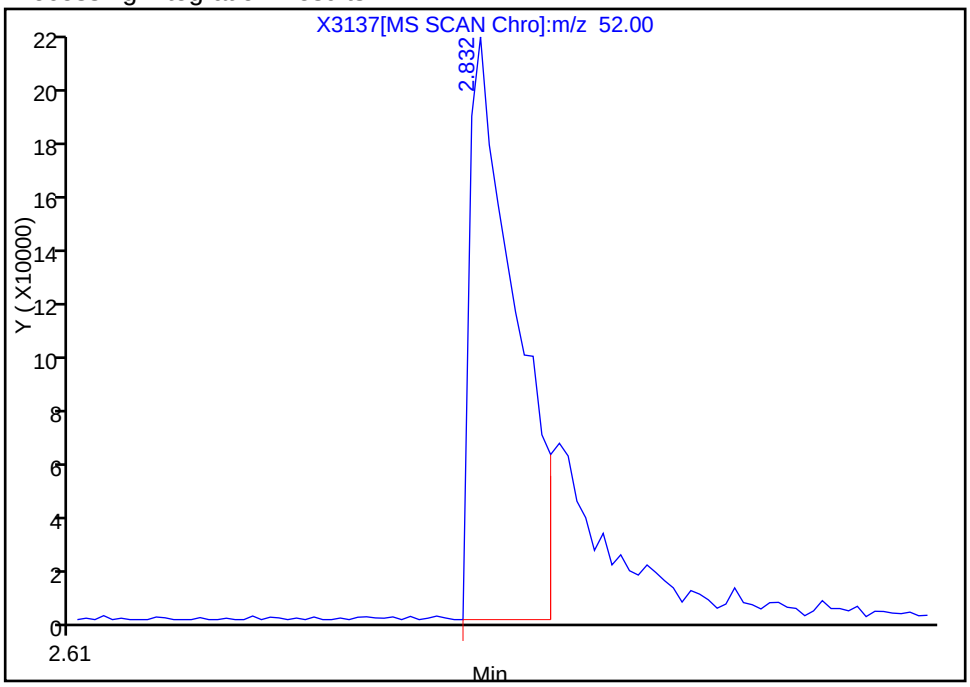
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3137.D		
Injection Date:	18-Dec-2012 13:52:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	8
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

20 Pyridine, Signal: 1, m/z: 52.0 Type: quant, RT: 2.87

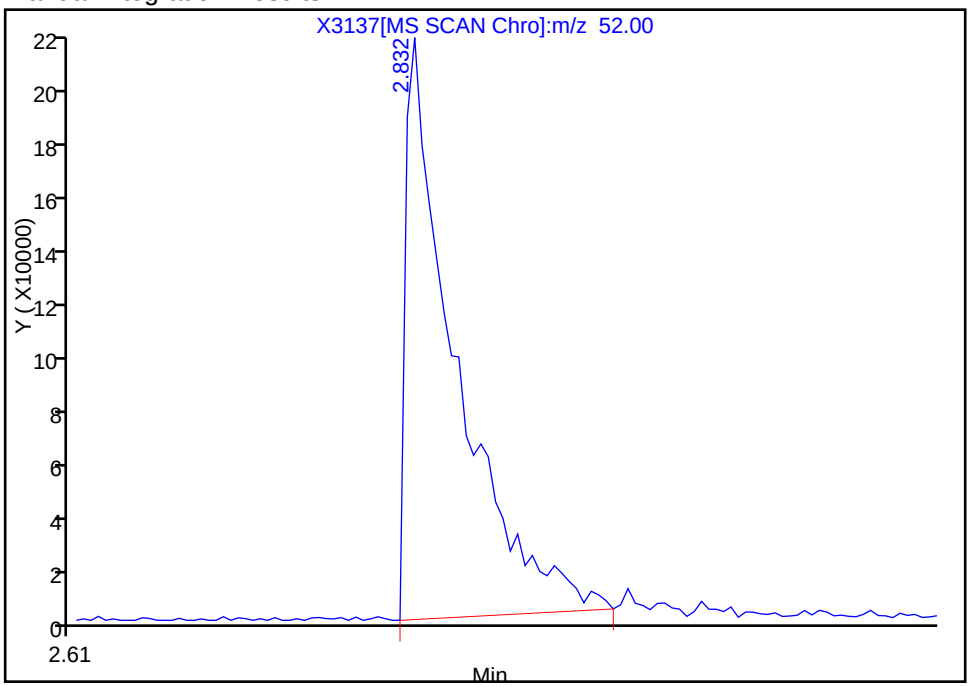
Processing Integration Results

RT: 2.83
Response: 365433
Amount: 8.599411



Manual Integration Results

RT: 2.83
Response: 472669
Amount: 11.196884



Reviewer: mckernar, 18-Dec-2012 15:21:58
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

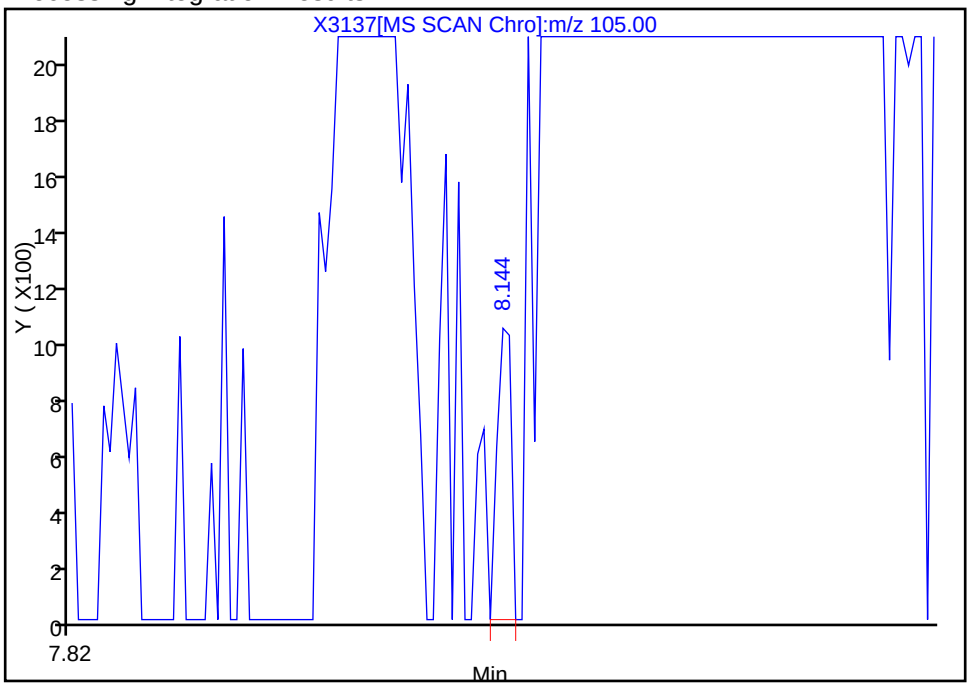
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3137.D		
Injection Date:	18-Dec-2012 13:52:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	8
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

44 Benzoic acid, Signal: 1, m/z: 105.0 Type: quant, RT: 8.22

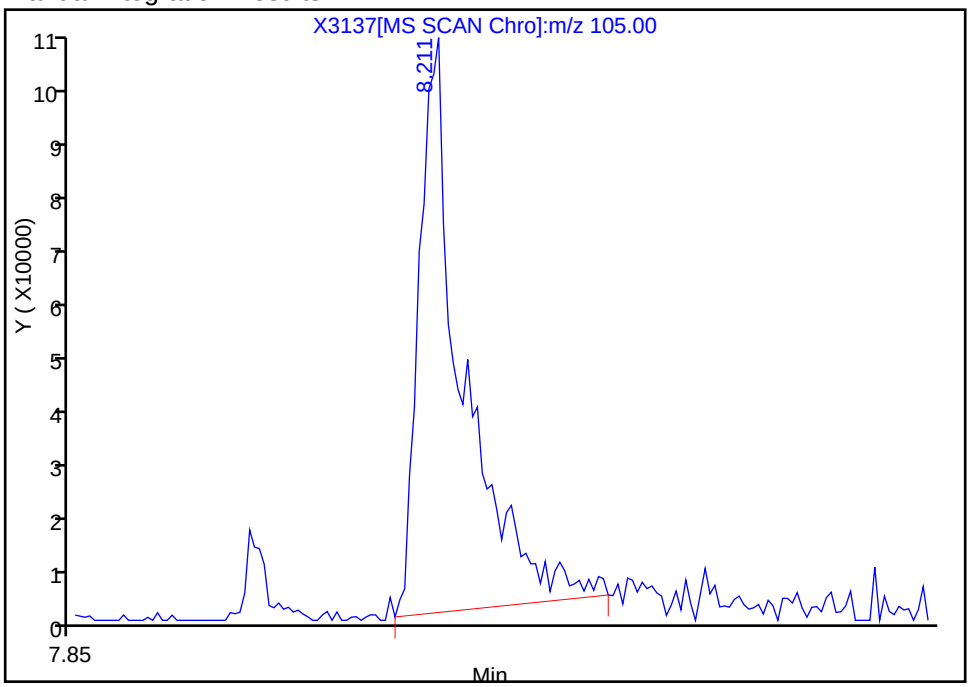
Processing Integration Results

RT: 8.14
Response: 757
Amount: 0.060539



Manual Integration Results

RT: 8.21
Response: 323222
Amount: 10.683361



Reviewer: mckernar, 18-Dec-2012 15:21:58
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 18-Dec-2012 16:43:15 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

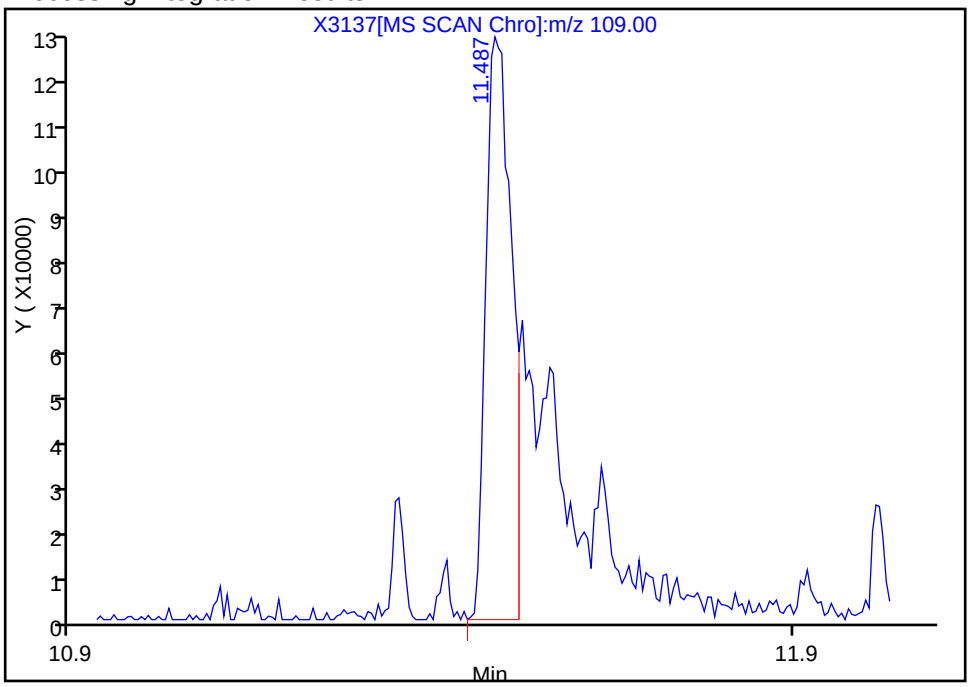
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3137.D		
Injection Date:	18-Dec-2012 13:52:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	8
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

75 4-Nitrophenol, Signal: 1, m/z: 109.0 Type: quant, RT: 11.52

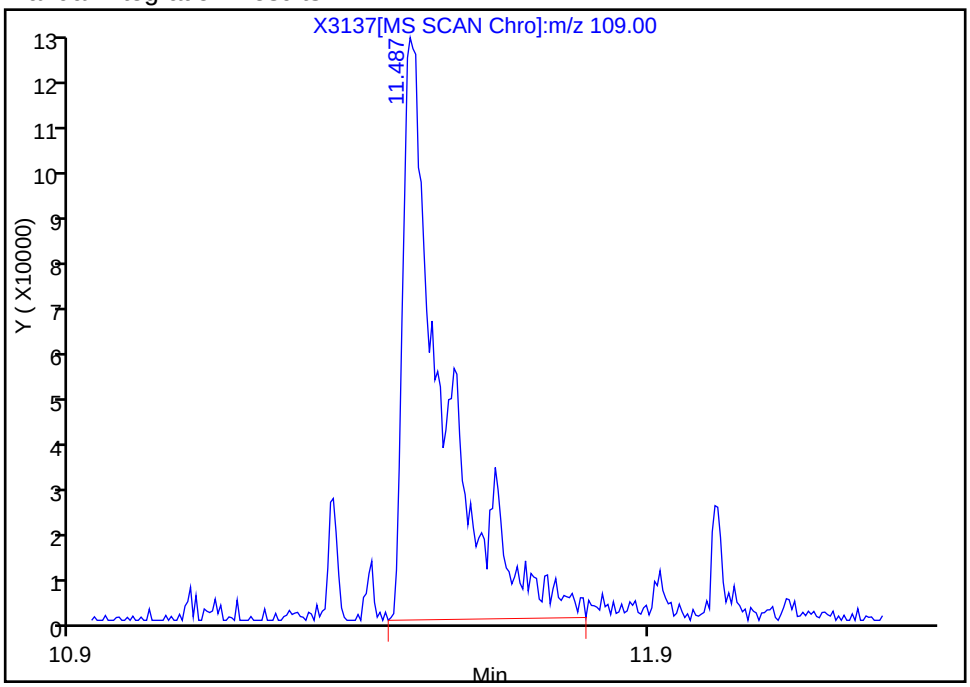
Processing Integration Results

RT: 11.49
Response: 302318
Amount: 19.639800



Manual Integration Results

RT: 11.49
Response: 599830
Amount: 21.976531



Reviewer: mckernar, 18-Dec-2012 15:24:21
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3138.D		
Lims ID:	IC - 15	Client ID:	
Inject. Date:	18-Dec-2012 14:18:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	8
Sample ID:	480-0017654-009		
Misc. Info.:			
Operator:	ANM	Instrument ID:	HP5973X
Injection Vol:	1.0 ul	ALS Bottle#:	10
Lims Batch ID:	96347	Lims Sample ID:	9
Sublist:	chrom-X-8270LL*sub20		
Detector:	MS SCAN		

Method:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X-8270LL.m		
Last Update:	18-Dec-2012 16:43:18	Calib Date:	18-Dec-2012 14:44:30
Quant Method:	Internal Standard	Quant By:	Continuing Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3139.D		
Limit Group:	MB - 8270RCP_MCP ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm
Process Host:	XAWRK017		

First Level Reviewer: mckernar Date: 18-Dec-2012 16:43:18

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.541	6.580	-0.039	85	230656	5.00	
* 2 Naphthalene-d8	136	8.444	8.472	-0.028	97	886350	5.00	
* 3 Acenaphthene-d10	164	11.097	11.107	-0.010	90	582063	5.00	
* 4 Phenanthrene-d10	188	13.114	13.123	-0.009	97	958605	5.00	
* 5 Chrysene-d12	240	15.753	15.763	-0.010	89	851973	5.00	
* 6 Perylene-d12	264	17.013	17.028	-0.015	96	831712	5.00	
$ 7 2-Fluorophenol	112	4.634	4.692	-0.058	74	876197	16.7	
$ 8 Phenol-d5	99	6.056	6.099	-0.043	87	1090919	17.1	
$ 9 Nitrobenzene-d5	82	7.378	7.417	-0.039	84	1131674	17.0	
$ 10 2-Fluorobiphenyl	172	10.099	10.113	-0.014	95	2307495	15.8	
$ 11 2,4,6-Tribromophenol	330	12.262	12.277	-0.015	78	302392	17.1	
$ 12 p-Terphenyl-d14	244	14.783	14.797	-0.014	95	2494236	15.2	
18 1,4-Dioxane	88	2.414	2.461	-0.047	65	349464	14.9	
19 N-Nitrosodimethylamine	42	2.746	2.804	-0.058	62	610901	14.5	
20 Pyridine	52	2.803	2.865	-0.062	81	753190	17.6	
21 Benzaldehyde	77	5.899	5.942	-0.043	90	722290	16.0	
23 Aniline	93	6.066	6.109	-0.043	86	1390701	16.5	
22 Phenol	94	6.075	6.123	-0.048	34	1169263	16.6	
24 Bis(2-chloroethyl)ether	93	6.170	6.213	-0.043	97	895601	16.2	
25 2-Chlorophenol	128	6.237	6.280	-0.043	98	970541	16.2	
26 1,3-Dichlorobenzene	146	6.451	6.489	-0.038	97	1144885	15.5	
27 1,4-Dichlorobenzene	146	6.565	6.608	-0.043	73	1189909	16.1	
29 1,2-Dichlorobenzene	146	6.789	6.822	-0.033	84	1093976	15.9	
28 Benzyl alcohol	108	6.779	6.822	-0.043	86	357574	14.3	
31 2-Methylphenol	108	6.969	7.008	-0.039	77	819659	16.3	
32 2,2'-oxybis[1-chloropropane]	45	6.984	7.012	-0.028	69	1395123	15.5	M
33 Acetophenone	105	7.160	7.198	-0.038	96	1479202	17.3	
34 N-Nitrosodi-n-propylamine	70	7.174	7.203	-0.029	78	722699	16.8	
36 4-Methylphenol	108	7.217	7.260	-0.043	80	791119	15.6	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
37 Hexachloroethane	117	7.278	7.317	-0.039	93	447097	15.3	
38 Nitrobenzene	77	7.407	7.445	-0.038	75	1153942	16.7	
40 Isophorone	82	7.773	7.806	-0.033	74	1848060	16.3	
41 2-Nitrophenol	139	7.887	7.921	-0.034	90	521090	16.6	
43 2,4-Dimethylphenol	107	7.997	8.040	-0.043	86	891742	15.1	
45 Bis(2-chloroethoxy)methane	93	8.125	8.154	-0.029	100	1072679	16.0	
44 Benzoic acid	105	8.196	8.225	-0.029	1	519009	14.5	
47 2,4-Dichlorophenol	162	8.277	8.315	-0.038	85	788203	16.4	
48 1,2,4-Trichlorobenzene	180	8.363	8.396	-0.033	97	903943	15.3	
49 Naphthalene	128	8.472	8.506	-0.034	94	2887977	14.7	
51 4-Chloroaniline	127	8.601	8.634	-0.034	95	1194419	16.8	
52 Hexachlorobutadiene	225	8.672	8.701	-0.029	84	495575	15.3	
54 Caprolactam	113	9.147	9.167	-0.020	80	299627	17.1	
55 4-Chloro-3-methylphenol	107	9.399	9.428	-0.029	94	866986	16.3	
56 2-Methylnaphthalene	142	9.528	9.547	-0.019	80	2146729	15.6	
57 1-Methylnaphthalene	142	9.675	9.694	-0.019	95	1956456	15.4	
58 Hexachlorocyclopentadiene	237	9.766	9.780	-0.014	88	378558	15.6	
59 1,2,4,5-Tetrachlorobenzene	216	9.785	9.804	-0.019	93	861450	15.8	
60 2,4,6-Trichlorophenol	196	9.989	10.013	-0.024	97	551924	16.4	
61 2,4,5-Trichlorophenol	196	10.075	10.108	-0.033	97	522303	16.1	
62 1,1'-Biphenyl	154	10.246	10.260	-0.014	99	2539483	15.1	
63 2-Chloronaphthalene	162	10.289	10.303	-0.014	96	1959232	15.6	
64 Phenyl ether	170	10.412	10.422	-0.010	94	1381412	15.1	
65 2-Nitroaniline	65	10.465	10.484	-0.019	82	680120	17.6	
66 1,4-Dinitrobenzene	75	10.693	10.717	-0.024	83	436695	0	
67 Dimethyl phthalate	163	10.755	10.764	-0.009	94	2327603	15.5	
68 2,6-Dinitrotoluene	165	10.840	10.850	-0.010	89	1103880	16.2	
69 Acenaphthylene	152	10.883	10.893	-0.010	90	3043882	15.0	
70 3-Nitroaniline	138	11.102	11.126	-0.024	82	606310	17.9	
71 Acenaphthene	153	11.145	11.154	-0.009	89	2009024	14.2	
72 2,4-Dinitrophenol	184	11.268	11.302	-0.034	86	495556	29.3	
73 Dibenzofuran	168	11.411	11.425	-0.014	98	2713459	15.7	
74 2,4-Dinitrotoluene	165	11.454	11.468	-0.014	1	751696	17.2	
75 4-Nitrophenol	109	11.468	11.521	-0.053	30	1031347	35.4	M
76 2,3,4,6-Tetrachlorophenol	232	11.630	11.649	-0.019	81	363823	13.9	
78 Diethyl phthalate	149	11.815	11.820	-0.005	93	2463981	14.9	
79 Fluorene	166	11.915	11.930	-0.015	80	2378424	15.0	
80 4-Chlorophenyl phenyl ether	204	11.934	11.944	-0.010	85	1051673	15.0	
81 4-Nitroaniline	138	12.015	12.039	-0.024	83	596014	15.6	
82 4,6-Dinitro-2-methylphenol	198	12.048	12.063	-0.015	64	797804	31.0	
84 Diphenylamine	169	12.115	12.120	-0.005	96	3579551	16.0	
83 N-Nitrosodiphenylamine	169	12.115	12.120	-0.005	96	3579551	16.1	
16 1,2-Diphenylhydrazine	77	12.153	12.163	-0.010	95	2548510	17.7	
85 Azobenzene	77	12.153	12.163	-0.010	95	2548510	17.7	
86 Benzophenone	105	12.177	12.186	-0.009	96	1996456	14.4	
89 4-Bromophenyl phenyl ether	248	12.581	12.591	-0.010	85	580487	16.2	
91 Hexachlorobenzene	284	12.643	12.652	-0.009	77	589002	15.5	
92 Simazine	201	12.800	12.800	0.0	82	348312	0	
93 Atrazine	200	12.833	12.838	-0.005	87	1304842	29.8	
95 Pentachloronitrobenzene	237	12.909	12.923	-0.014	85	318145	15.4	
94 Pentachlorophenol	266	12.914	12.928	-0.014	76	608194	32.0	
97 Phenanthrene	178	13.137	13.152	-0.015	95	3201534	15.0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
98 Anthracene	178	13.199	13.214	-0.015	96	3266266	15.0	
99 Carbazole	167	13.408	13.418	-0.010	97	3130446	15.5	
101 Alachlor	160	13.561	13.565	-0.004	92	692514	0	
102 Di-n-butyl phthalate	149	13.794	13.803	-0.009	95	3612267	15.4	
104 Fluoranthene	202	14.417	14.426	-0.009	97	3288993	15.5	
105 Benzidine	184	14.583	14.593	-0.010	99	1260094	13.4	
106 Pyrene	202	14.635	14.650	-0.015	96	3285656	14.4	
107 Famphur	218	15.192	15.197	-0.005	83	1290418	0	
108 Butyl benzyl phthalate	149	15.235	15.244	-0.009	92	1940877	15.4	
109 3,3'-Dichlorobenzidine	252	15.724	15.734	-0.010	72	1279655	16.7	
110 Bis(2-ethylhexyl) phthalate	149	15.729	15.734	-0.005	95	2573585	14.8	
111 Benzo[a]anthracene	228	15.739	15.748	-0.009	98	2920963	15.9	
112 Chrysene	228	15.777	15.786	-0.009	91	2735712	13.1	
113 Di-n-octyl phthalate	149	16.257	16.271	-0.014	96	3795638	13.9	
114 Benzo[b]fluoranthene	252	16.661	16.676	-0.015	96	3136607	16.2	
115 Benzo[k]fluoranthene	252	16.685	16.699	-0.014	98	2965033	14.9	
116 Benzo[a]pyrene	252	16.961	16.975	-0.014	76	2781641	14.9	
117 Indeno[1,2,3-cd]pyrene	276	18.088	18.088	0.0	93	3334925	16.7	
118 Dibenz(a,h)anthracene	278	18.088	18.093	-0.005	68	2815421	16.6	
119 Benzo[g,h,i]perylene	276	18.397	18.402	-0.005	94	2753072	16.6	
S 121 3-Methylphenol	1		0.000					

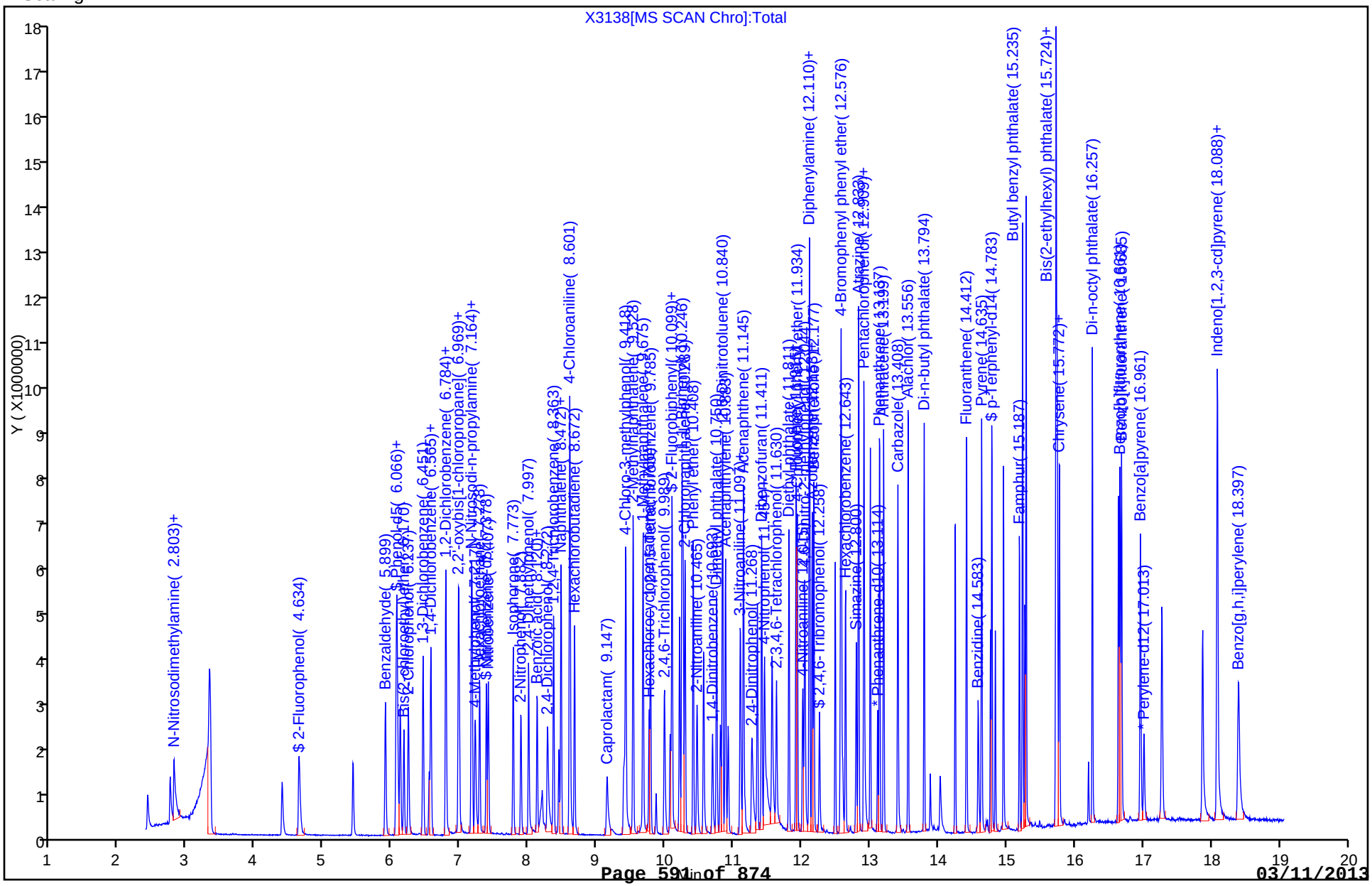
QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 18-Dec-2012 16:43:18 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3138.D		
Injection Date:	18-Dec-2012 14:18:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	9
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm
Y Scaling:			



Manual Integration/User Assign Peak Report

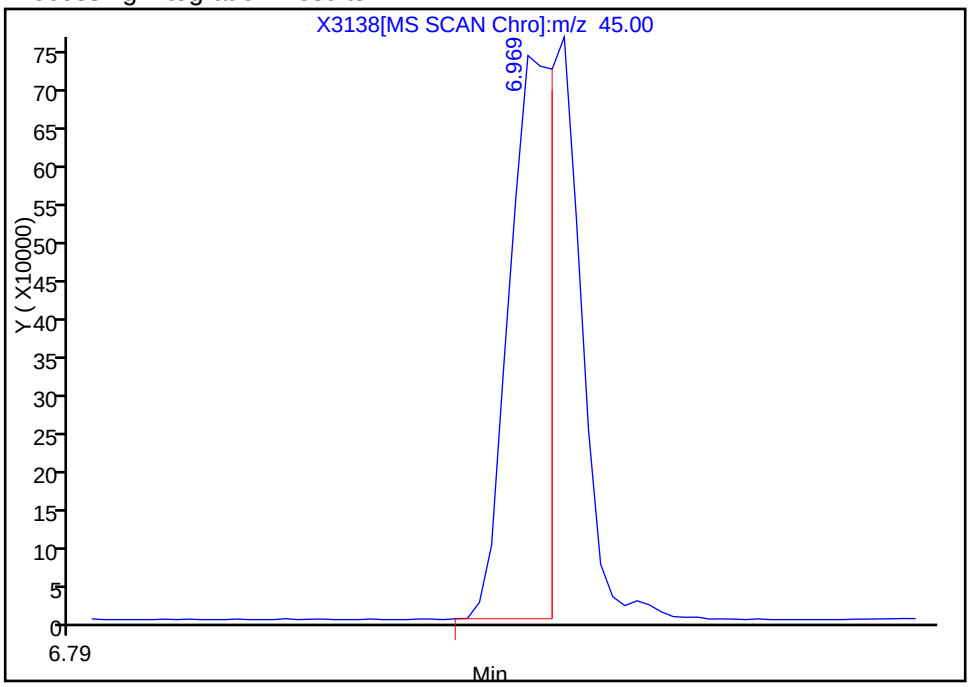
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3138.D		
Injection Date:	18-Dec-2012 14:18:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	9
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

32 2,2'-oxybis[1-chloropropane], Signal: 1, m/z: 45.0 Type: quant, RT: 7.01

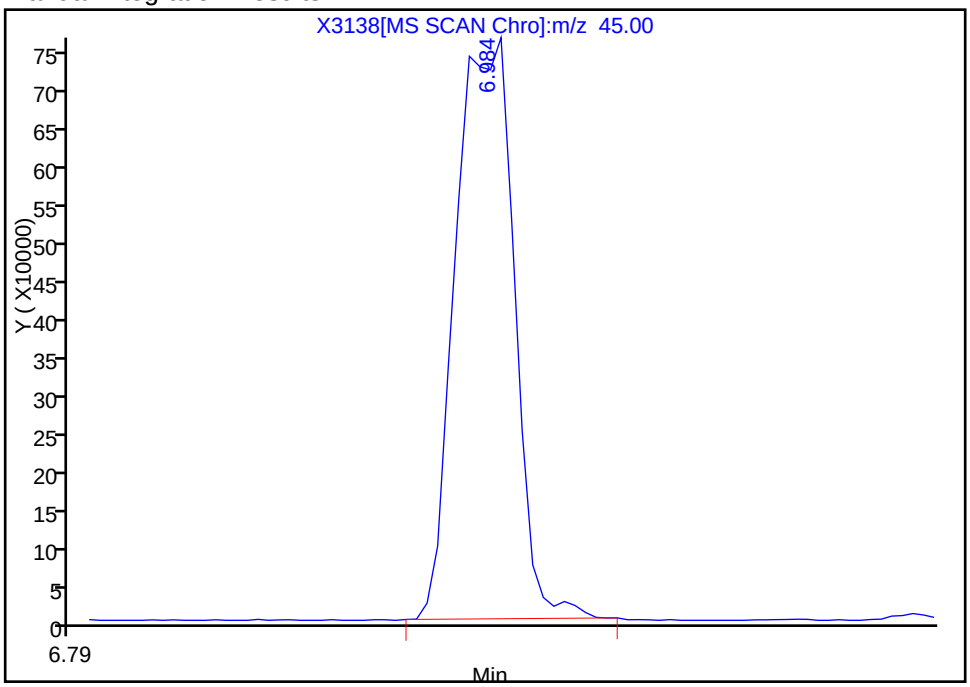
Processing Integration Results

RT: 6.97
Response: 911279
Amount: 11.344733



Manual Integration Results

RT: 6.98
Response: 1395123
Amount: 15.515653



Reviewer: mckernar, 18-Dec-2012 15:24:06
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

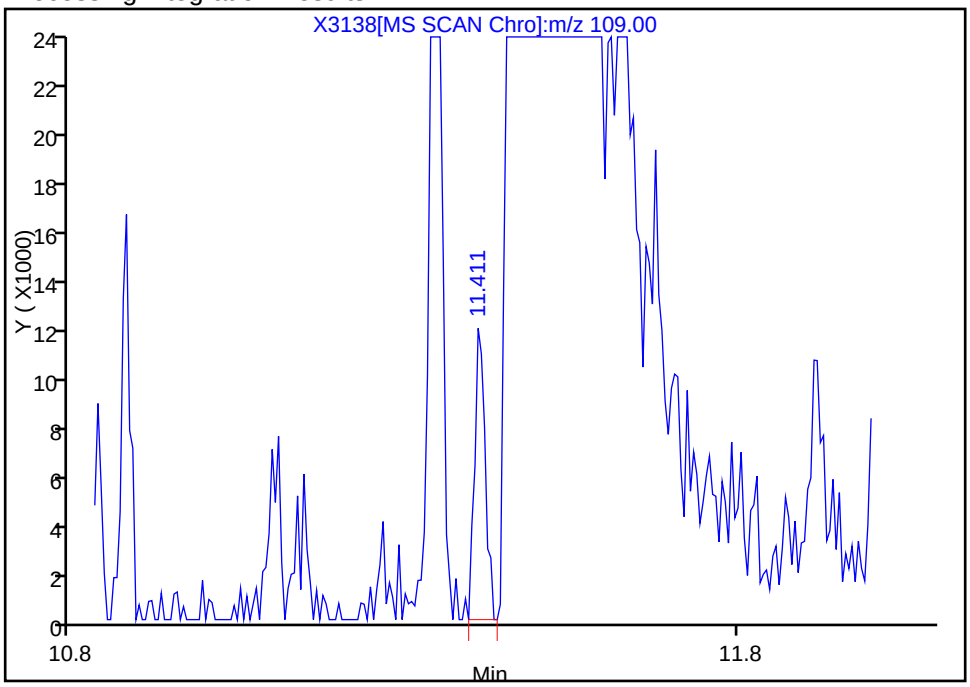
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3138.D		
Injection Date:	18-Dec-2012 14:18:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	9
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

75 4-Nitrophenol, Signal: 1, m/z: 109.0 Type: quant, RT: 11.52

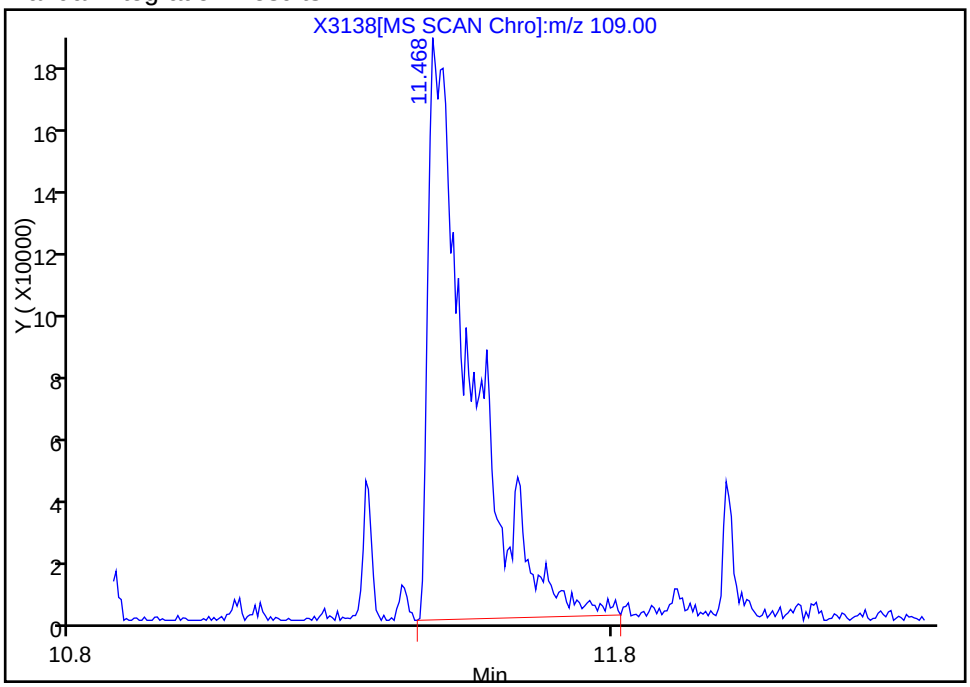
Processing Integration Results

RT: 11.41
Response: 12753
Amount: 0.699901



Manual Integration Results

RT: 11.47
Response: 1031347
Amount: 35.400162



Reviewer: mckernar, 18-Dec-2012 15:24:06
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3139.D		
Lims ID:	IC - 20	Client ID:	
Inject. Date:	18-Dec-2012 14:44:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	9
Sample ID:	480-0017654-010		
Misc. Info.:			
Operator:	ANM	Instrument ID:	HP5973X
Injection Vol:	1.0 ul	ALS Bottle#:	11
Lims Batch ID:	96347	Lims Sample ID:	10
Sublist:	chrom-X-8270LL*sub20		
Detector:	MS SCAN		

Method:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X-8270LL.m		
Last Update:	18-Dec-2012 16:43:20	Calib Date:	18-Dec-2012 14:44:30
Quant Method:	Internal Standard	Quant By:	Continuing Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3139.D		
Limit Group:	MB - 8270RCP_MCP ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm
Process Host:	XAWRK017		

First Level Reviewer: mckernar Date: 18-Dec-2012 16:43:20

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.541	6.580	-0.039	82	255261	5.00	
* 2 Naphthalene-d8	136	8.434	8.472	-0.038	97	957949	5.00	
* 3 Acenaphthene-d10	164	11.073	11.107	-0.034	90	624701	5.00	
* 4 Phenanthrene-d10	188	13.095	13.123	-0.029	93	1026159	5.00	
* 5 Chrysene-d12	240	15.734	15.763	-0.029	83	870026	5.00	
* 6 Perylene-d12	264	17.004	17.028	-0.024	98	901058	5.00	
$ 7 2-Fluorophenol	112	4.644	4.692	-0.048	73	1235087	21.3	
$ 8 Phenol-d5	99	6.056	6.099	-0.043	86	1537425	21.8	
$ 9 Nitrobenzene-d5	82	7.378	7.417	-0.039	83	1556096	21.7	
$ 10 2-Fluorobiphenyl	172	10.075	10.113	-0.038	93	3065397	19.6	
$ 11 2,4,6-Tribromophenol	330	12.243	12.277	-0.034	76	382130	20.2	
$ 12 p-Terphenyl-d14	244	14.764	14.797	-0.033	94	3246910	19.4	
18 1,4-Dioxane	88	2.423	2.461	-0.038	75	511598	19.8	
19 N-Nitrosodimethylamine	42	2.751	2.804	-0.053	73	942927	20.2	
20 Pyridine	52	2.808	2.865	-0.057	92	789371	16.7	
21 Benzaldehyde	77	5.904	5.942	-0.038	89	978974	19.6	
23 Aniline	93	6.066	6.109	-0.043	95	1484543	15.9	
22 Phenol	94	6.075	6.123	-0.048	41	1613726	20.8	
24 Bis(2-chloroethyl)ether	93	6.175	6.213	-0.038	98	1266802	20.7	
25 2-Chlorophenol	128	6.237	6.280	-0.043	97	1360622	20.6	
26 1,3-Dichlorobenzene	146	6.451	6.489	-0.038	97	1561543	19.0	
27 1,4-Dichlorobenzene	146	6.565	6.608	-0.043	74	1600502	19.5	
29 1,2-Dichlorobenzene	146	6.789	6.822	-0.033	85	1509239	19.8	
28 Benzyl alcohol	108	6.779	6.822	-0.043	89	639595	20.3	
31 2-Methylphenol	108	6.969	7.008	-0.039	80	1178092	21.2	
32 2,2'-oxybis[1-chloropropane]	45	6.979	7.012	-0.033	71	1953355	19.6	M
33 Acetophenone	105	7.160	7.198	-0.038	96	2041251	21.6	
34 N-Nitrosodi-n-propylamine	70	7.169	7.203	-0.034	84	1036267	21.8	
36 4-Methylphenol	108	7.212	7.260	-0.048	80	1155222	20.6	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
37 Hexachloroethane	117	7.278	7.317	-0.039	95	642324	19.9	
38 Nitrobenzene	77	7.407	7.445	-0.038	79	1567636	21.0	
40 Isophorone	82	7.768	7.806	-0.038	74	2529047	20.6	
41 2-Nitrophenol	139	7.882	7.921	-0.039	89	776160	22.9	
43 2,4-Dimethylphenol	107	7.992	8.040	-0.048	87	1317566	20.6	
45 Bis(2-chloroethoxy)methane	93	8.115	8.154	-0.039	99	1542456	21.2	
44 Benzoic acid	105	8.206	8.225	-0.019	1	890624	20.2	
47 2,4-Dichlorophenol	162	8.268	8.315	-0.047	85	1102161	21.2	
48 1,2,4-Trichlorobenzene	180	8.358	8.396	-0.038	98	1240609	19.4	
49 Naphthalene	128	8.463	8.506	-0.043	94	3830652	18.1	
51 4-Chloroaniline	127	8.591	8.634	-0.043	89	1552735	20.2	
52 Hexachlorobutadiene	225	8.658	8.701	-0.043	85	665576	19.0	
54 Caprolactam	113	9.138	9.167	-0.029	80	405696	21.4	
55 4-Chloro-3-methylphenol	107	9.376	9.428	-0.052	94	1198666	20.8	M
56 2-Methylnaphthalene	142	9.504	9.547	-0.043	75	2812964	18.9	
57 1-Methylnaphthalene	142	9.651	9.694	-0.043	93	2631760	19.2	
58 Hexachlorocyclopentadiene	237	9.742	9.780	-0.038	86	543807	19.7	
59 1,2,4,5-Tetrachlorobenzene	216	9.761	9.804	-0.043	92	1175625	20.1	
60 2,4,6-Trichlorophenol	196	9.961	10.013	-0.052	92	745358	20.7	
61 2,4,5-Trichlorophenol	196	10.051	10.108	-0.057	89	739930	21.2	
62 1,1'-Biphenyl	154	10.222	10.260	-0.038	97	3372086	18.7	
63 2-Chloronaphthalene	162	10.270	10.303	-0.033	95	2635052	19.7	
64 Phenyl ether	170	10.389	10.422	-0.033	92	1925297	19.6	
65 2-Nitroaniline	65	10.441	10.484	-0.043	81	974942	23.6	
66 1,4-Dinitrobenzene	75	10.669	10.717	-0.048	80	614935	0	
67 Dimethyl phthalate	163	10.736	10.764	-0.028	93	3207926	19.8	
68 2,6-Dinitrotoluene	165	10.821	10.850	-0.029	92	1566924	21.4	
69 Acenaphthylene	152	10.859	10.893	-0.034	88	3983727	18.2	
70 3-Nitroaniline	138	11.083	11.126	-0.043	68	789115	21.7	
71 Acenaphthene	153	11.126	11.154	-0.028	90	2728770	17.9	
72 2,4-Dinitrophenol	184	11.249	11.302	-0.053	93	846602	40.3	
73 Dibenzofuran	168	11.392	11.425	-0.033	96	3637301	19.6	
74 2,4-Dinitrotoluene	165	11.435	11.468	-0.033	1	1039381	22.2	
75 4-Nitrophenol	109	11.449	11.521	-0.072	29	1414081	45.2	M
76 2,3,4,6-Tetrachlorophenol	232	11.611	11.649	-0.038	87	525225	18.7	
78 Diethyl phthalate	149	11.796	11.820	-0.024	93	3276872	18.5	
79 Fluorene	166	11.901	11.930	-0.029	80	3205979	18.9	
80 4-Chlorophenyl phenyl ether	204	11.915	11.944	-0.029	86	1460150	19.4	
81 4-Nitroaniline	138	11.996	12.039	-0.043	86	816043	19.7	
82 4,6-Dinitro-2-methylphenol	198	12.029	12.063	-0.034	63	1135498	40.8	
84 Diphenylamine	169	12.101	12.120	-0.019	93	4516590	18.9	
83 N-Nitrosodiphenylamine	169	12.101	12.120	-0.019	93	4516590	18.9	
16 1,2-Diphenylhydrazine	77	12.139	12.163	-0.024	94	3210046	20.8	
85 Azobenzene	77	12.139	12.163	-0.024	95	3210046	20.9	
86 Benzophenone	105	12.162	12.186	-0.024	94	2666580	17.9	
89 4-Bromophenyl phenyl ether	248	12.567	12.591	-0.024	86	812265	21.1	
91 Hexachlorobenzene	284	12.628	12.652	-0.024	76	804600	19.8	
92 Simazine	201	12.781	12.800	-0.019	83	217560	0	
93 Atrazine	200	12.819	12.838	-0.019	87	830509	17.7	
95 Pentachloronitrobenzene	237	12.895	12.923	-0.028	88	438981	19.8	
94 Pentachlorophenol	266	12.895	12.928	-0.033	72	828322	40.5	
97 Phenanthrene	178	13.123	13.152	-0.029	95	4084154	17.9	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
98 Anthracene	178	13.185	13.214	-0.029	96	4076574	17.5	
99 Carbazole	167	13.389	13.418	-0.029	97	4130457	19.1	
101 Alachlor	160	13.542	13.565	-0.023	92	947932	0	
102 Di-n-butyl phthalate	149	13.775	13.803	-0.028	94	4384075	17.5	
104 Fluoranthene	202	14.393	14.426	-0.033	96	4129184	18.2	
105 Benzidine	184	14.569	14.593	-0.024	99	564309	5.87	
106 Pyrene	202	14.612	14.650	-0.038	94	4232522	18.2	
107 Famphur	218	15.168	15.197	-0.029	83	1484068	0	
108 Butyl benzyl phthalate	149	15.215	15.244	-0.029	93	2580426	20.0	
109 3,3'-Dichlorobenzidine	252	15.701	15.734	-0.033	94	1766084	22.6	
110 Bis(2-ethylhexyl) phthalate	149	15.710	15.734	-0.024	92	3272340	18.4	
111 Benzo[a]anthracene	228	15.724	15.748	-0.024	96	3772548	20.1	
112 Chrysene	228	15.758	15.786	-0.028	90	3555688	16.7	
113 Di-n-octyl phthalate	149	16.247	16.271	-0.024	94	4702329	16.8	
114 Benzo[b]fluoranthene	252	16.656	16.676	-0.020	94	4108649	19.6	
115 Benzo[k]fluoranthene	252	16.675	16.699	-0.024	97	3933673	18.2	
116 Benzo[a]pyrene	252	16.951	16.975	-0.024	77	3670790	18.1	
117 Indeno[1,2,3-cd]pyrene	276	18.088	18.088	0.0	90	4648434	21.5	
118 Dibenz(a,h)anthracene	278	18.088	18.093	-0.005	71	4058513	22.1	
119 Benzo[g,h,i]perylene	276	18.392	18.402	-0.010	92	4058645	22.5	
S 121 3-Methylphenol	1		0.000					

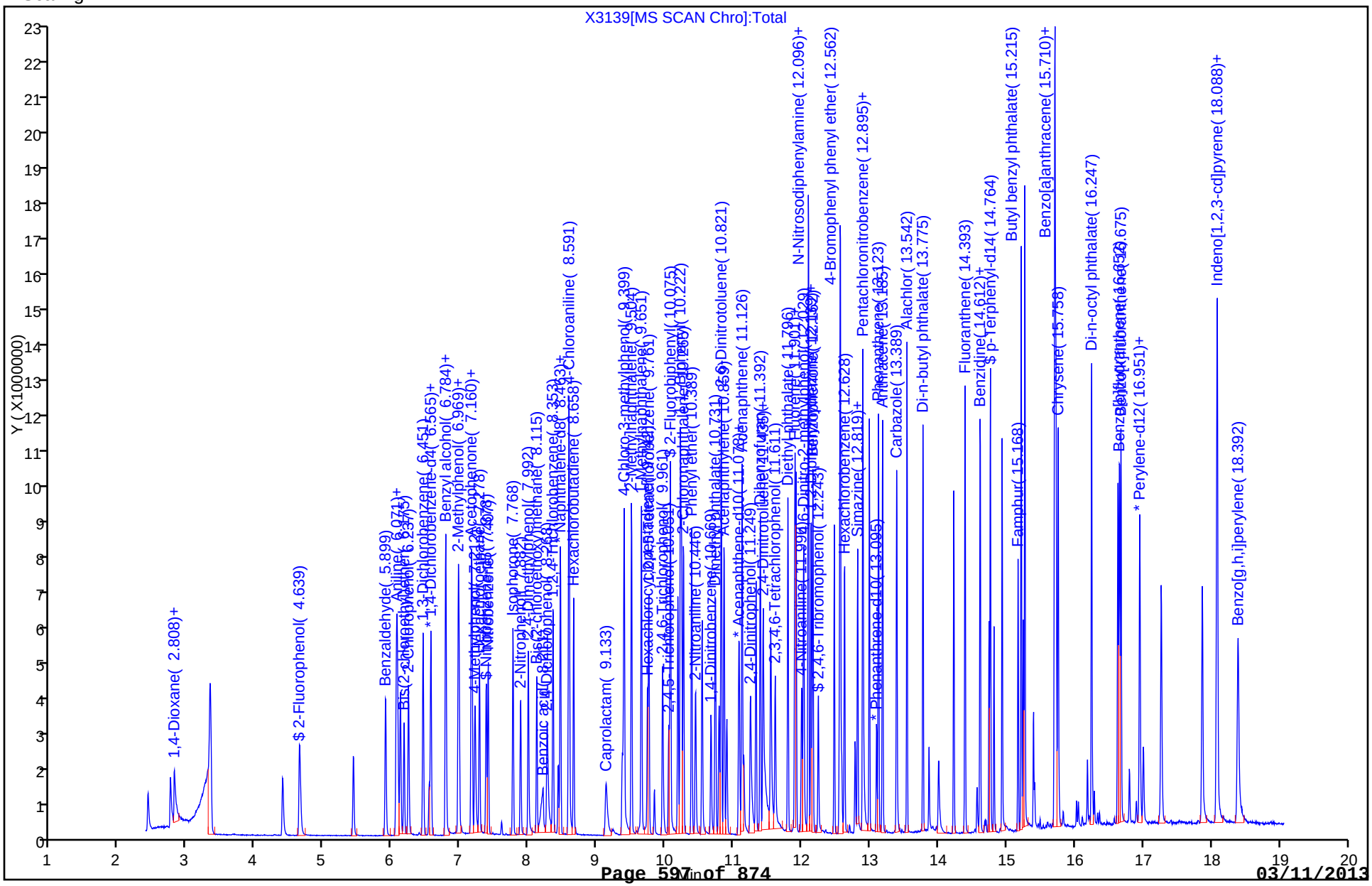
QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 18-Dec-2012 16:43:21 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3139.D		
Injection Date:	18-Dec-2012 14:44:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	10
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm
Y Scaling:			



Manual Integration/User Assign Peak Report

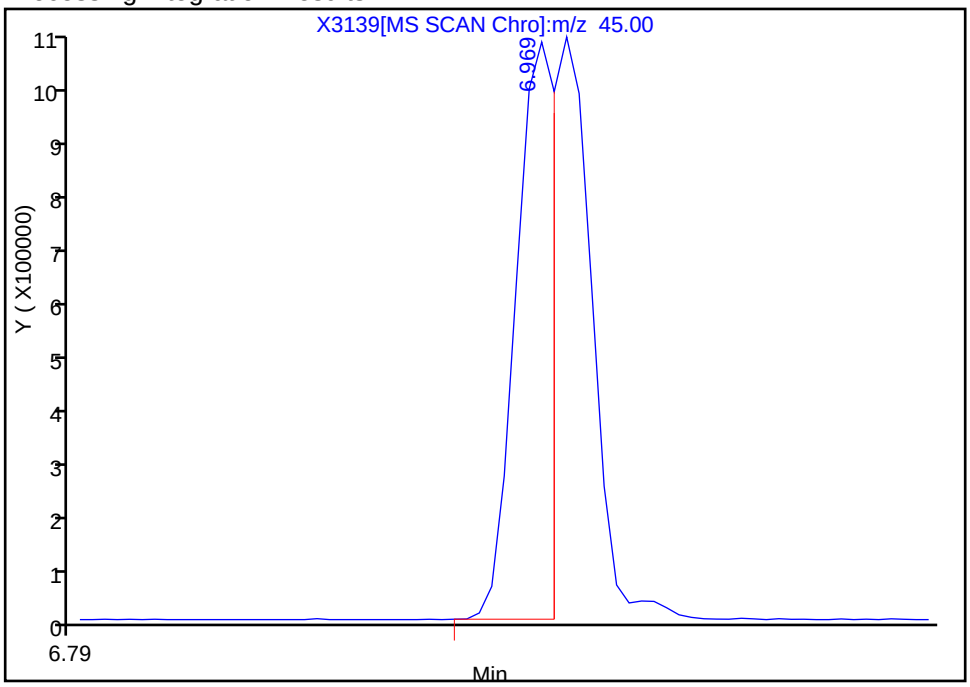
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3139.D		
Injection Date:	18-Dec-2012 14:44:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	10
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

32 2,2'-oxybis[1-chloropropane], Signal: 1, m/z: 45.0 Type: quant, RT: 7.01

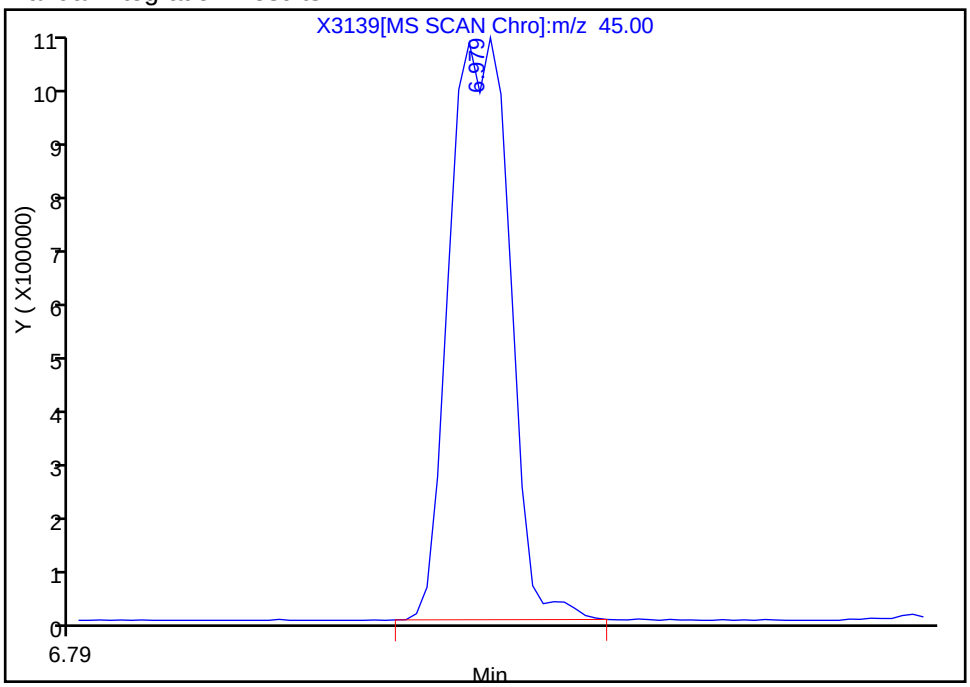
Processing Integration Results

RT: 6.97
Response: 1100790
Amount: 11.711219



Manual Integration Results

RT: 6.98
Response: 1953355
Amount: 19.629943



Reviewer: mckernar, 18-Dec-2012 15:28:32
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

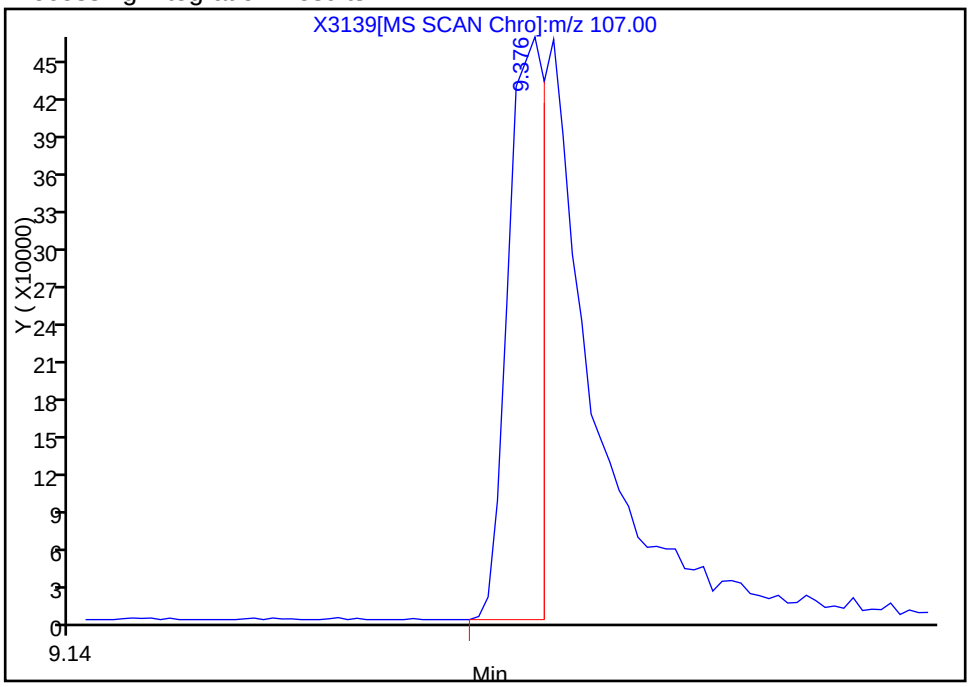
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3139.D		
Injection Date:	18-Dec-2012 14:44:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	10
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

55 4-Chloro-3-methylphenol, Signal: 1, m/z: 107.0 Type: quant, RT: 9.43

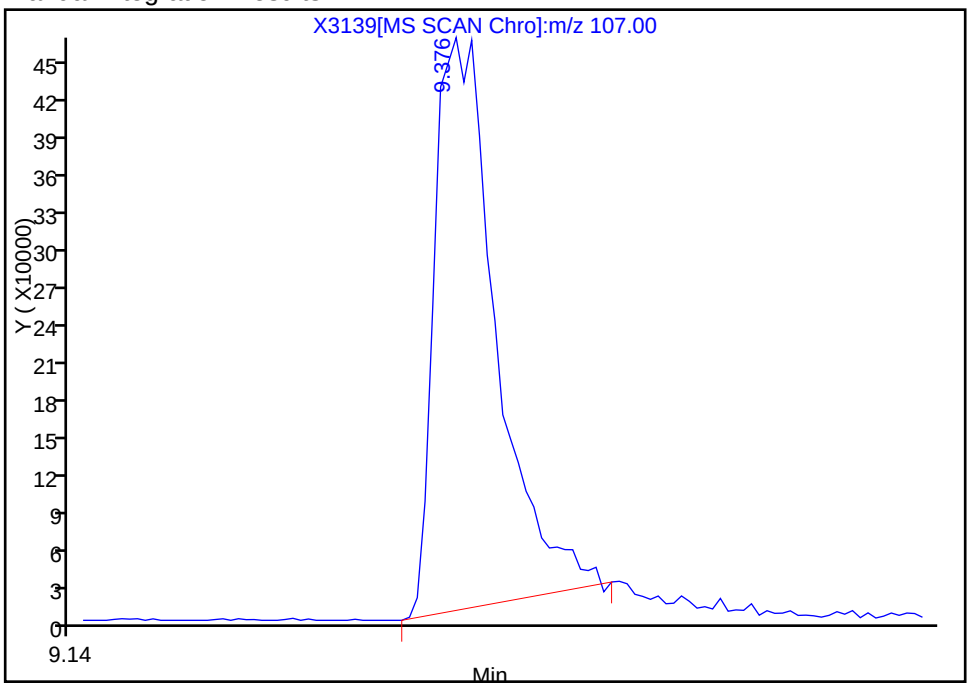
Processing Integration Results

RT: 9.38
Response: 611140
Amount: 11.162944



Manual Integration Results

RT: 9.38
Response: 1198666
Amount: 20.833898



Reviewer: mckernar, 18-Dec-2012 15:28:32
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

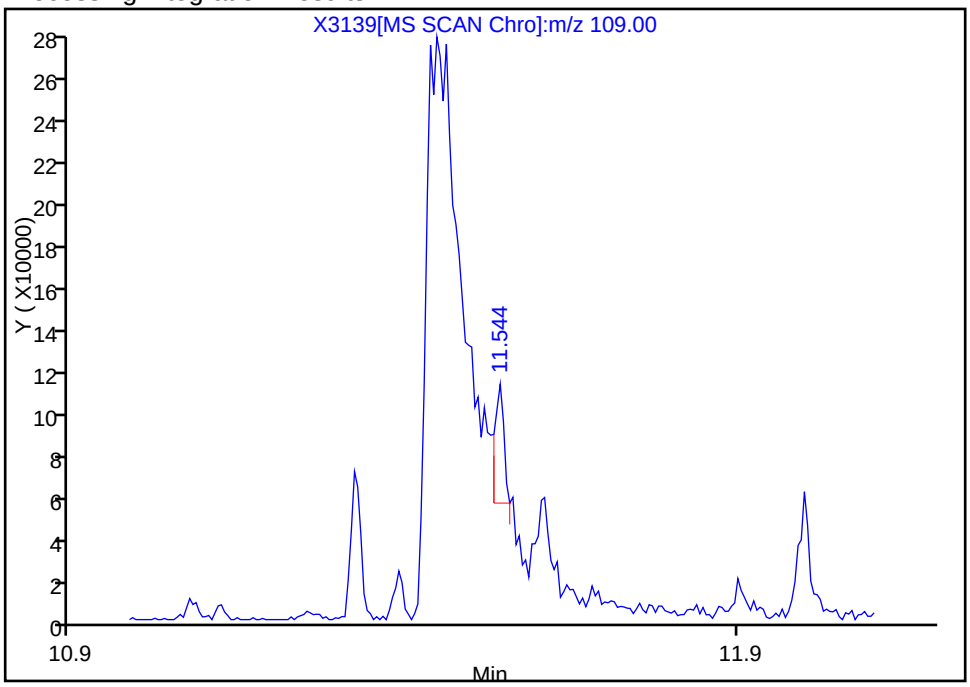
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3139.D		
Injection Date:	18-Dec-2012 14:44:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	10
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

75 4-Nitrophenol, Signal: 1, m/z: 109.0 Type: quant, RT: 11.52

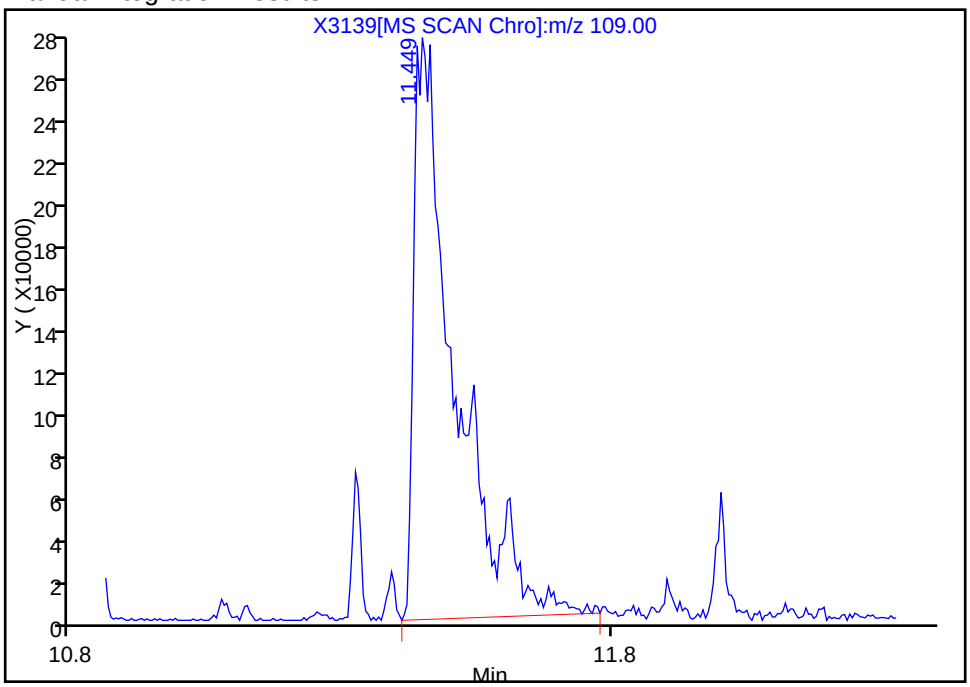
Processing Integration Results

RT: 11.54
Response: 50883
Amount: 1.868080



Manual Integration Results

RT: 11.45
Response: 1414081
Amount: 45.224369



Reviewer: mckernar, 18-Dec-2012 15:28:32
Audit Action: Manually Integrated
Audit Reason: Assign Peak

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-30346-1

SDG No.:

Lab Sample ID: CCVIS 480-96803/2 Calibration Date: 12/20/2012 10:36

Instrument ID: HP5973X Calib Start Date: 12/18/2012 11:20

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 12/18/2012 14:44

Lab File ID: X3191.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Lin1		0.4867		7600	8000	-5.0	20.0
N-Nitrosodimethylamine	Ave	0.9135	0.9445		8270	8000	3.4	20.0
Pyridine	Ave	0.9276	0.7869		6790	8000	-15.2	20.0
Benzaldehyde	Ave	0.9800	1.056	0.0100	8620	8000	7.7	20.0
Aniline	Ave	1.831	1.867		8160	8000	2.0	20.0
Phenol	Ave	1.523	1.570	0.7000	8250	8000	3.1	20.0
Bis(2-chloroethyl)ether	Ave	1.199	1.255	0.6000	8370	8000	4.7	20.0
2-Chlorophenol	Ave	1.295	1.361	0.8000	8410	8000	5.1	20.0
1,3-Dichlorobenzene	Ave	1.606	1.563		7790	8000	-2.6	20.0
1,4-Dichlorobenzene	Ave	1.604	1.643		8190	8000	2.4	20.0
1,2-Dichlorobenzene	Ave	1.496	1.530		8180	8000	2.3	20.0
Benzyl alcohol	QuaF		0.3950		6990	8000	-12.6	20.0
2-Methylphenol	Ave	1.087	1.096	0.6000	8070	8000	0.9	20.0
2,2'-oxybis[1-chloropropane]	Ave	1.949	1.949	0.0100		8000	-0.0	20.0
Acetophenone	Ave	1.854	2.008	0.0100	8660	8000	8.3	20.0
N-Nitrosodi-n-propylamine	Ave	0.9313	0.998	0.0500	8570	8000	7.1	20.0
4-Methylphenol	Ave	1.101	1.186	0.6000	8620	8000	7.7	20.0
Hexachloroethane	Lin1		0.6323	0.3000	7950	8000	-0.7	20.0
Nitrobenzene	Ave	0.3891	0.4262	0.1000	8760	8000	9.5	20.0
Isophorone	Ave	0.6400	0.6910	0.3000	8640	8000	8.0	20.0
2-Nitrophenol	Ave	0.1771	0.2013	0.0500	9090	8000	13.7	20.0
2,4-Dimethylphenol	Ave	0.3340	0.3047	0.1000	7300	8000	-8.8	20.0
Bis(2-chloroethoxy)methane	Ave	0.3791	0.4105	0.2000	8660	8000	8.3	20.0
Benzoic acid	QuaF		0.2231		9930	8000	24.2*	20.0
2,4-Dichlorophenol	Ave	0.2718	0.2966	0.1000	8730	8000	9.1	20.0
1,2,4-Trichlorobenzene	Ave	0.3341	0.3447		8250	8000	3.2	20.0
Naphthalene	Ave	1.108	1.111	0.6000	8020	8000	0.3	20.0
4-Chloroaniline	Ave	0.4008	0.4476	0.0100	8940	8000	11.7	20.0
Hexachlorobutadiene	Ave	0.1826	0.1864	0.0100	8170	8000	2.1	20.0
Caprolactam	Ave	0.0989	0.1088	0.0100	8800	8000	10.0	20.0
4-Chloro-3-methylphenol	Ave	0.3003	0.3301	0.2000	8790	8000	9.9	20.0
2-Methylnaphthalene	Ave	0.7764	0.7781	0.4000	8020	8000	0.2	20.0
1-Methylnaphthalene	Ave	0.7151	0.7126			8000	-0.4	20.0
Hexachlorocyclopentadiene	QuaF		0.1771	0.0500	7740	8000	-3.2	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.4691	0.4825	0.0100	8230	8000	2.9	20.0
2,4,6-Trichlorophenol	Ave	0.2887	0.3237	0.2000	8970	8000	12.1	20.0
2,4,5-Trichlorophenol	Ave	0.2793	0.2762	0.2000	7910	8000	-1.1	20.0
1,1'-Biphenyl	Ave	1.446	1.520	0.0100	8410	8000	5.1	20.0
2-Chloronaphthalene	Lin1		1.066	0.8000	7600	8000	-5.0	20.0
Phenyl ether	Ave	0.7862	0.8036		8180	8000	2.2	20.0
2-Nitroaniline	Ave	0.3311	0.3799	0.0100	9180	8000	14.7	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-30346-1

SDG No.:

Lab Sample ID: CCVIS 480-96803/2 Calibration Date: 12/20/2012 10:36

Instrument ID: HP5973X Calib Start Date: 12/18/2012 11:20

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 12/18/2012 14:44

Lab File ID: X3191.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dimethyl phthalate	Ave	1.294	1.334	0.0100	8250	8000	3.1	20.0
2,6-Dinitrotoluene	Ave	0.5865	0.6154	0.1000	8390	8000	4.9	20.0
Acenaphthylene	Ave	1.749	1.773	0.9000	8110	8000	1.3	20.0
3-Nitroaniline	Ave	0.2913	0.3168	0.0100	8700	8000	8.7	20.0
Acenaphthene	Ave	1.218	1.148	0.9000	7540	8000	-5.7	20.0
2,4-Dinitrophenol	QuaF		0.1335	0.0100	17600	16000	10.1	20.0
Dibenzofuran	Ave	1.486	1.615	0.8000	8700	8000	8.7	20.0
2,4-Dinitrotoluene	Ave	0.3744	0.4349	0.2000	9290	8000	16.2	20.0
4-Nitrophenol	Ave	0.2503	0.2054	0.0500	13100	16000	-17.9	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.2247	0.2293	0.0100	8160	8000	2.0	20.0
Diethyl phthalate	Ave	1.417	1.440	0.0100	8130	8000	1.7	20.0
Fluorene	Ave	1.359	1.363	0.8000	8030	8000	0.3	20.0
4-Chlorophenyl phenyl ether	Ave	0.6017	0.5933	0.4000	7890	8000	-1.4	20.0
4-Nitroaniline	Lin1		0.3107	0.0100	7760	8000	-3.0	20.0
4,6-Dinitro-2-methylphenol	Lin1		0.2102	0.0100	15700	16000	-1.8	20.0
Diphenylamine	Ave	1.164	1.304		8960	8000	12.0	20.0
N-Nitrosodiphenylamine	Ave	1.163	1.304	0.0100	8970	8000	12.1	20.0
1,2-Diphenylhydrazine	Ave	0.7515	0.8204		8730	8000	9.2	20.0
Azobenzene	Ave	0.7500	0.8204		8750	8000	9.4	20.0
Benzophenone	Ave	1.189	1.155		7770	8000	-2.9	20.0
4-Bromophenyl phenyl ether	Ave	0.1874	0.1976	0.1000	8430	8000	5.4	20.0
Hexachlorobenzene	Lin1		0.2030	0.1000	8220	8000	2.8	20.0
Atrazine	Ave	0.3761	0.3734	0.0100	15900	16000	-0.7	20.0
Pentachloronitrobenzene	Lin1		0.1105		8390	8000	4.8	20.0
Pentachlorophenol	Lin1		0.0966	0.0500	16000	16000	0.3	20.0
Phenanthrene	Ave	1.115	1.171	0.6000	8400	8000	5.1	20.0
Anthracene	Ave	1.135	1.160	0.6000	8180	8000	2.2	20.0
Carbazole	Ave	1.052	1.093	0.0100		8000	3.9	20.0
Di-n-butyl phthalate	Ave	1.220	1.353	0.0100	8870	8000	10.9	20.0
Fluoranthene	Ave	1.104	1.161	0.6000	8420	8000	5.2	20.0
Benzidine	Ave	0.5523	0.5244		7600	8000	-5.0	20.0
Pyrene	Ave	1.340	1.450	0.6000	8660	8000	8.2	20.0
Butyl benzyl phthalate	Ave	0.7409	0.8118	0.0100	8770	8000	9.6	20.0
3,3'-Dichlorobenzidine	Ave	0.4492	0.5039	0.0100	8970	8000	12.2	20.0
Bis(2-ethylhexyl) phthalate	Ave	1.020	1.122	0.0100	8800	8000	10.0	20.0
Benzo[a]anthracene	Ave	1.077	1.218	0.6000	9040	8000	13.0	20.0
Chrysene	Ave	1.222	1.145	0.6000	7500	8000	-6.3	20.0
Di-n-octyl phthalate	Ave	1.608	1.734	0.0100	8630	8000	7.8	20.0
Benzo[b]fluoranthene	Ave	1.161	1.145	0.7000	7890	8000	-1.4	20.0
Benzo[k]fluoranthene	Ave	1.196	1.320	0.7000	8830	8000	10.3	20.0
Benzo[a]pyrene	Ave	1.123	1.081	0.7000	7700	8000	-3.7	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-30346-1

SDG No.:

Lab Sample ID: CCVIS 480-96803/2 Calibration Date: 12/20/2012 10:36

Instrument ID: HP5973X Calib Start Date: 12/18/2012 11:20

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 12/18/2012 14:44

Lab File ID: X3191.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dibenz(a,h)anthracene	Ave	1.017	1.076	0.4000	8460	8000	5.8	20.0
Indeno[1,2,3-cd]pyrene	Ave	1.198	1.272	0.5000	8490	8000	6.1	20.0
Benzo[g,h,i]perylene	Ave	1.000	1.047	0.4000	8370	8000	4.7	20.0
2-Fluorophenol	Ave	1.135	1.214		8560	8000	7.0	20.0
Phenol-d5	Ave	1.381	1.538		8910	8000	11.4	20.0
Nitrobenzene-d5	Ave	0.3749	0.4013		8560	8000	7.1	20.0
2-Fluorobiphenyl	Ave	1.255	1.310		8350	8000	4.4	20.0
2,4,6-Tribromophenol	Ave	0.0920	0.0995		8650	8000	8.1	20.0
p-Terphenyl-d14	Ave	0.9641	1.053		8740	8000	9.2	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3191.D
Lims ID: CCVIS Client ID:
Inject. Date: 20-Dec-2012 10:36:30 Dil. Factor: 1.0000
Sample Type: CCVIS
Sample ID: 480-0017736-002
Misc. Info.:
Operator: ANM Instrument ID: HP5973X
Injection Vol: 1.0 ul ALS Bottle#: 3
Lims Batch ID: 96803 Lims Sample ID: 2
Sublist: chrom-X-8270LL*sub20
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973X\20121220-17736.b\X-8270LL.m
Last Update: 09-Mar-2013 09:29:28 Calib Date: 18-Dec-2012 14:44:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3139.D
Limit Group: MB - 8270RCP_MCP ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: RXI-5Sil MS Column Dia: 0.25 mm
Process Host: XAWRK034

First Level Reviewer: mckernar Date: 20-Dec-2012 11:00:48

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.570	6.570	0.0	85	245891	5.00	
* 2 Naphthalene-d8	136	8.439	8.439	0.0	98	916601	5.00	
* 3 Acenaphthene-d10	164	11.064	11.064	0.0	92	598337	5.00	
* 4 Phenanthrene-d10	188	13.080	13.080	0.0	97	1001444	5.00	
* 5 Chrysene-d12	240	15.734	15.734	0.0	88	792610	5.00	
* 6 Perylene-d12	264	17.013	17.013	0.0	98	796790	5.00	
$ 7 2-Fluorophenol	112	4.682	4.682	0.0	72	477631	8.56	
$ 8 Phenol-d5	99	6.090	6.090	0.0	90	605243	8.91	
$ 9 Nitrobenzene-d5	82	7.393	7.393	0.0	80	588574	8.56	
$ 10 2-Fluorobiphenyl	172	10.075	10.075	0.0	95	1254086	8.35	
$ 11 2,4,6-Tribromophenol	330	12.229	12.229	0.0	65	159374	8.65	
$ 12 p-Terphenyl-d14	244	14.759	14.759	0.0	95	1335614	8.74	
18 1,4-Dioxane	88	2.433	2.433	0.0	73	191479	7.60	
19 N-Nitrosodimethylamine	42	2.766	2.766	0.0	70	371588	8.27	
20 Pyridine	52	2.837	2.837	0.0	81	309571	6.79	
21 Benzaldehyde	77	5.938	5.938	0.0	90	415353	8.62	
23 Aniline	93	6.104	6.104	0.0	97	734493	8.16	
22 Phenol	94	6.109	6.109	0.0	33	617735	8.25	
24 Bis(2-chloroethyl)ether	93	6.204	6.204	0.0	98	493762	8.37	
25 2-Chlorophenol	128	6.270	6.270	0.0	98	535636	8.41	
26 1,3-Dichlorobenzene	146	6.484	6.484	0.0	97	615072	7.79	
27 1,4-Dichlorobenzene	146	6.594	6.594	0.0	71	646491	8.19	
29 1,2-Dichlorobenzene	146	6.813	6.813	0.0	84	601805	8.18	
28 Benzyl alcohol	108	6.813	6.813	0.0	64	155383	6.99	M
31 2-Methylphenol	108	6.993	6.993	0.0	76	431344	8.07	
32 2,2'-oxybis[1-chloropropane]	45	6.998	6.998	0.0	81	766638	8.00	
33 Acetophenone	105	7.174	7.174	0.0	95	789807	8.66	
34 N-Nitrosodi-n-propylamine	70	7.183	7.183	0.0	95	392481	8.57	
36 4-Methylphenol	108	7.231	7.231	0.0	83	466585	8.62	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
37 Hexachloroethane	117	7.298	7.298	0.0	93	248768	7.95	
38 Nitrobenzene	77	7.421	7.421	0.0	76	624970	8.76	
40 Isophorone	82	7.778	7.778	0.0	74	1013350	8.64	
41 2-Nitrophenol	139	7.892	7.892	0.0	91	295177	9.09	
43 2,4-Dimethylphenol	107	8.001	8.001	0.0	86	446868	7.30	
45 Bis(2-chloroethoxy)methane	93	8.125	8.125	0.0	99	602045	8.66	
44 Benzoic acid	105	8.177	8.177	0.0	1	327141	9.93	M
47 2,4-Dichlorophenol	162	8.277	8.277	0.0	82	434979	8.73	
48 1,2,4-Trichlorobenzene	180	8.363	8.363	0.0	99	505495	8.25	
49 Naphthalene	128	8.472	8.472	0.0	94	1628897	8.02	
51 4-Chloroaniline	127	8.596	8.596	0.0	91	656472	8.94	
52 Hexachlorobutadiene	225	8.662	8.662	0.0	84	273425	8.17	
54 Caprolactam	113	9.129	9.129	0.0	78	159568	8.80	
55 4-Chloro-3-methylphenol	107	9.385	9.385	0.0	93	484140	8.79	
56 2-Methylnaphthalene	142	9.509	9.509	0.0	76	1141054	8.02	
57 1-Methylnaphthalene	142	9.656	9.656	0.0	93	1045020	7.97	
58 Hexachlorocyclopentadiene	237	9.742	9.742	0.0	87	169545	7.74	
59 1,2,4,5-Tetrachlorobenzene	216	9.761	9.761	0.0	87	461918	8.23	
60 2,4,6-Trichlorophenol	196	9.970	9.970	0.0	96	309861	8.97	
61 2,4,5-Trichlorophenol	196	10.056	10.056	0.0	96	264386	7.91	
62 1,1'-Biphenyl	154	10.218	10.218	0.0	99	1454709	8.41	
63 2-Chloronaphthalene	162	10.265	10.265	0.0	96	1020943	7.60	
64 Phenyl ether	170	10.384	10.384	0.0	95	769321	8.18	
65 2-Nitroaniline	65	10.436	10.436	0.0	80	363691	9.18	
66 1,4-Dinitrobenzene	75	10.665	10.665	0.0	81	216460	0	
67 Dimethyl phthalate	163	10.722	10.722	0.0	94	1277385	8.25	
68 2,6-Dinitrotoluene	165	10.807	10.807	0.0	91	589136	8.39	
69 Acenaphthylene	152	10.850	10.850	0.0	88	1696886	8.11	
70 3-Nitroaniline	138	11.069	11.069	0.0	93	303284	8.70	
71 Acenaphthene	153	11.112	11.112	0.0	90	1099167	7.54	
72 2,4-Dinitrophenol	184	11.240	11.240	0.0	91	255619	17.6	
73 Dibenzofuran	168	11.378	11.378	0.0	99	1546171	8.70	
74 2,4-Dinitrotoluene	165	11.416	11.416	0.0	97	416377	9.29	
75 4-Nitrophenol	109	11.454	11.454	0.0	19	393183	13.1	M
76 2,3,4,6-Tetrachlorophenol	232	11.597	11.597	0.0	82	219504	8.16	
78 Diethyl phthalate	149	11.777	11.777	0.0	93	1378980	8.13	
79 Fluorene	166	11.882	11.882	0.0	80	1304965	8.03	
80 4-Chlorophenyl phenyl ether	204	11.901	11.901	0.0	85	568000	7.89	
81 4-Nitroaniline	138	11.982	11.982	0.0	86	297451	7.76	
82 4,6-Dinitro-2-methylphenol	198	12.010	12.010	0.0	62	402388	15.7	
84 Diphenylamine	169	12.077	12.077	0.0	98	2088817	8.96	
83 N-Nitrosodiphenylamine	169	12.077	12.077	0.0	98	2088817	8.97	
16 1,2-Diphenylhydrazine	77	12.120	12.120	0.0	96	1314466	8.73	
85 Azobenzene	77	12.120	12.120	0.0	95	1314466	8.75	
86 Benzophenone	105	12.144	12.144	0.0	95	1105418	7.77	
89 4-Bromophenyl phenyl ether	248	12.548	12.548	0.0	84	316576	8.43	
91 Hexachlorobenzene	284	12.610	12.610	0.0	77	325280	8.22	
92 Simazine	201	12.762	12.762	0.0	82	189449	0	
93 Atrazine	200	12.800	12.800	0.0	87	714876	15.9	
95 Pentachloronitrobenzene	237	12.881	12.881	0.0	85	177107	8.39	
94 Pentachlorophenol	266	12.885	12.885	0.0	76	309699	16.0	
97 Phenanthrene	178	13.109	13.109	0.0	95	1876065	8.40	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
98 Anthracene	178	13.171	13.171	0.0	95	1859041	8.18	
99 Carbazole	167	13.380	13.380	0.0	99	1752082	8.31	
101 Alachlor	160	13.527	13.527	0.0	92	363761	0	
102 Di-n-butyl phthalate	149	13.765	13.765	0.0	96	2168135	8.87	
104 Fluoranthene	202	14.388	14.388	0.0	97	1859904	8.42	
105 Benzidine	184	14.555	14.555	0.0	99	665035	7.60	
106 Pyrene	202	14.607	14.607	0.0	97	1838620	8.66	
107 Famphur	218	15.168	15.168	0.0	81	750657	0	
108 Butyl benzyl phthalate	149	15.211	15.211	0.0	92	1029510	8.77	
109 3,3'-Dichlorobenzidine	252	15.705	15.705	0.0	73	639062	8.97	
110 Bis(2-ethylhexyl) phthalate	149	15.710	15.710	0.0	95	1422480	8.80	
111 Benzo[a]anthracene	228	15.720	15.720	0.0	97	1544170	9.04	
112 Chrysene	228	15.753	15.753	0.0	91	1451982	7.50	
113 Di-n-octyl phthalate	149	16.248	16.248	0.0	97	2199254	8.63	
114 Benzo[b]fluoranthene	252	16.657	16.657	0.0	91	1459914	7.89	
115 Benzo[k]fluoranthene	252	16.680	16.680	0.0	99	1683049	8.83	
116 Benzo[a]pyrene	252	16.961	16.961	0.0	74	1378466	7.70	
118 Dibenz(a,h)anthracene	278	18.107	18.107	0.0	66	1371245	8.46	
117 Indeno[1,2,3-cd]pyrene	276	18.107	18.107	0.0	95	1621309	8.49	
119 Benzo[g,h,i]perylene	276	18.421	18.421	0.0	92	1334527	8.37	
S 121 3-Methylphenol	1		0.000					

QC Flag Legend

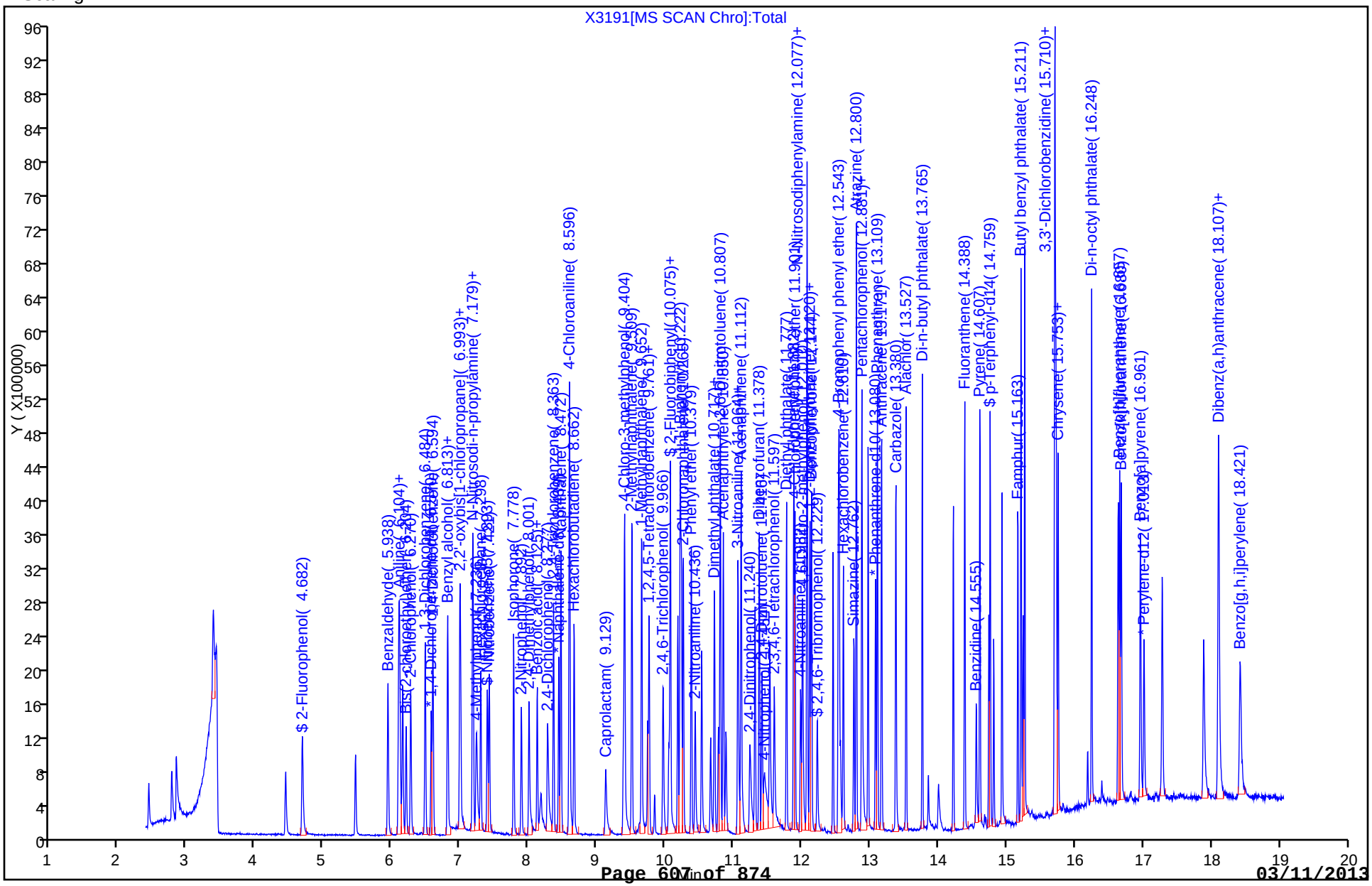
Review Flags
M - Manually Integrated

Report Date: 09-Mar-2013 09:29:28 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3191.D		
Injection Date:	20-Dec-2012 10:36:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	2
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:



Manual Integration/User Assign Peak Report

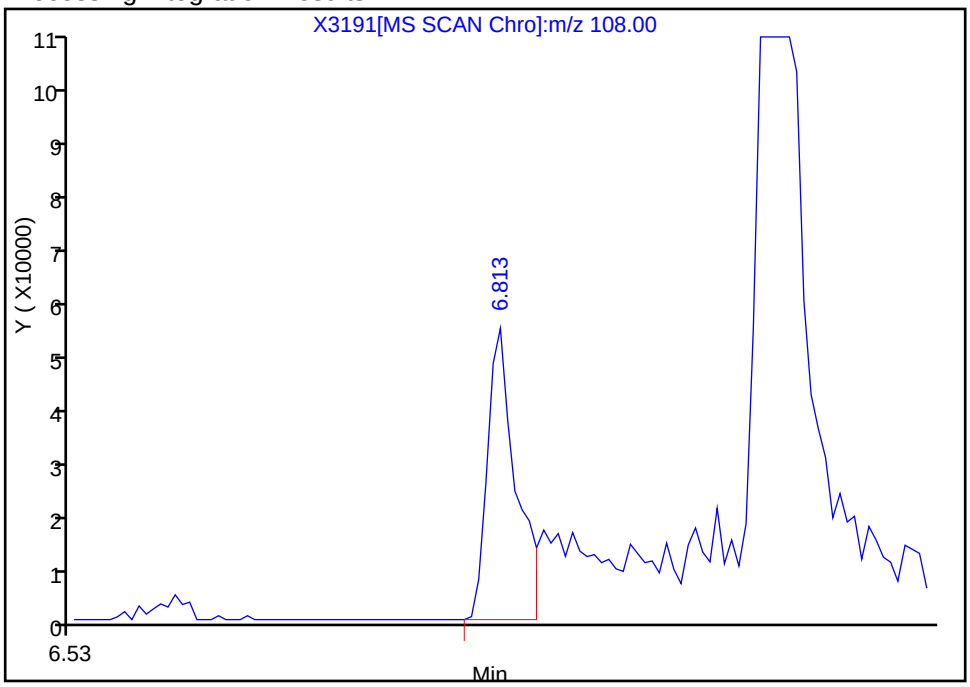
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3191.D		
Injection Date:	20-Dec-2012 10:36:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	2
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

28 Benzyl alcohol, Signal: 1, m/z: 108.0 Type: quant, RT: 6.81

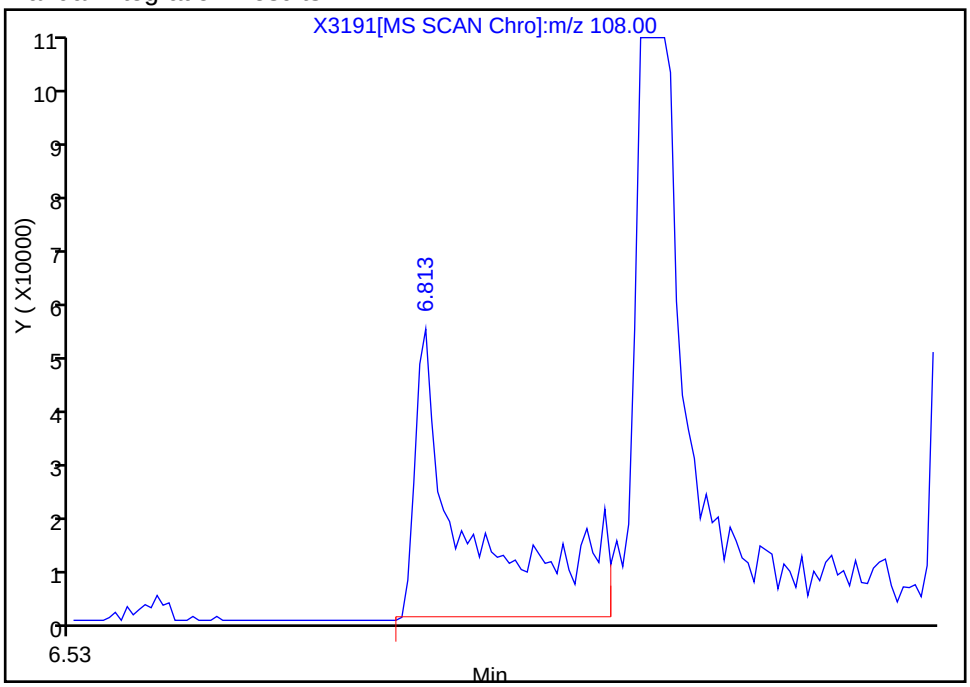
Processing Integration Results

RT: 6.81
Response: 70536
Amount: 3.504746



Manual Integration Results

RT: 6.81
Response: 155383
Amount: 6.989012



Reviewer: mckernar, 20-Dec-2012 11:00:48
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

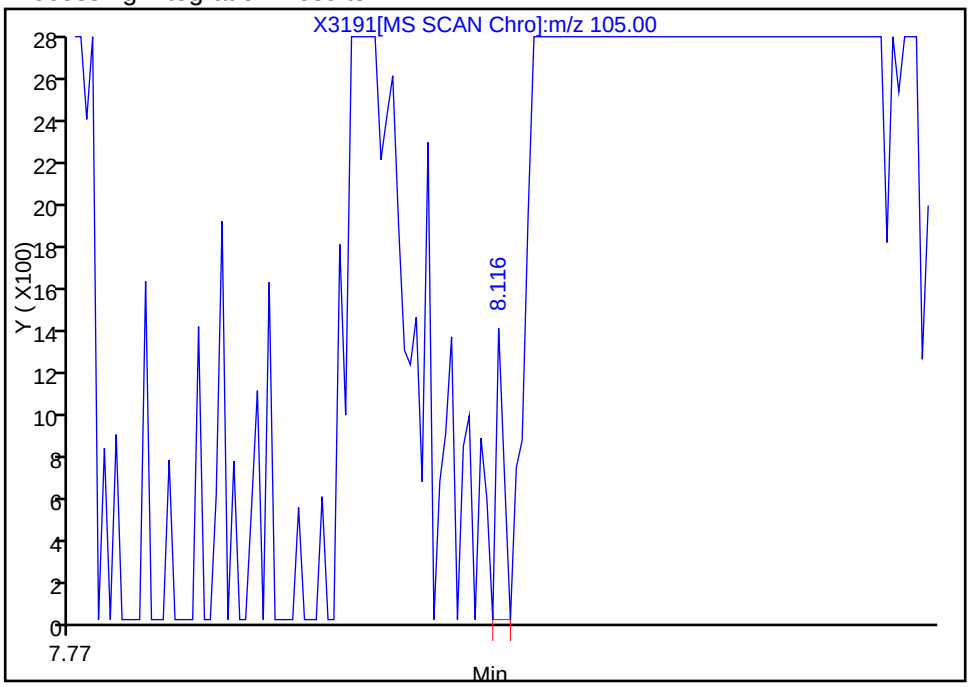
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3191.D		
Injection Date:	20-Dec-2012 10:36:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	2
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

44 Benzoic acid, Signal: 1, m/z: 105.0 Type: quant, RT: 8.18

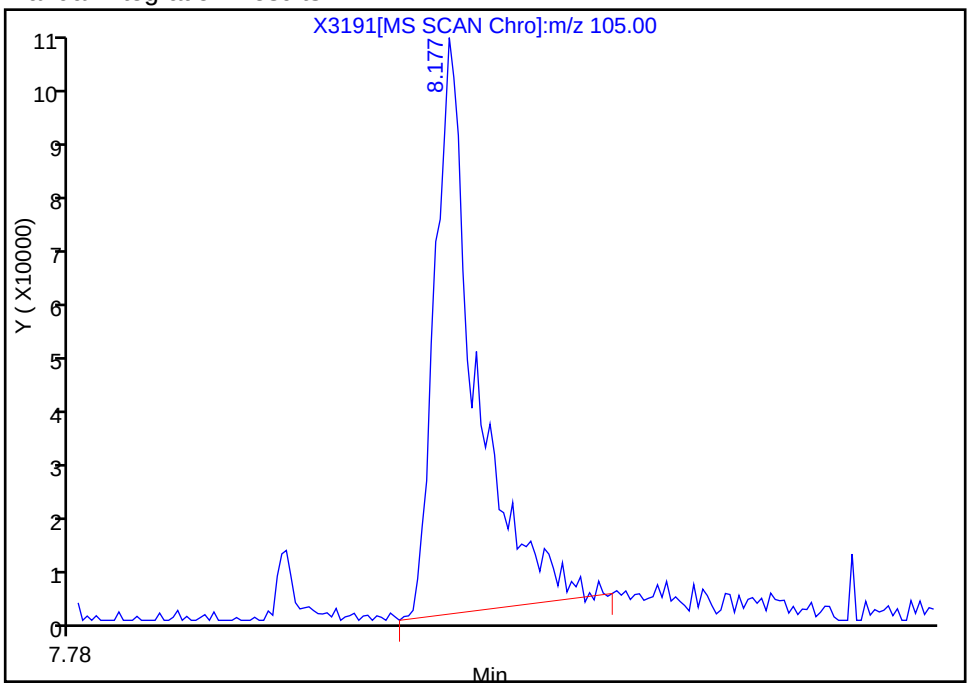
Processing Integration Results

RT: 8.12
Response: 580
Amount: 0.024288



Manual Integration Results

RT: 8.18
Response: 327141
Amount: 9.934290



Reviewer: mckernar, 20-Dec-2012 11:00:48
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

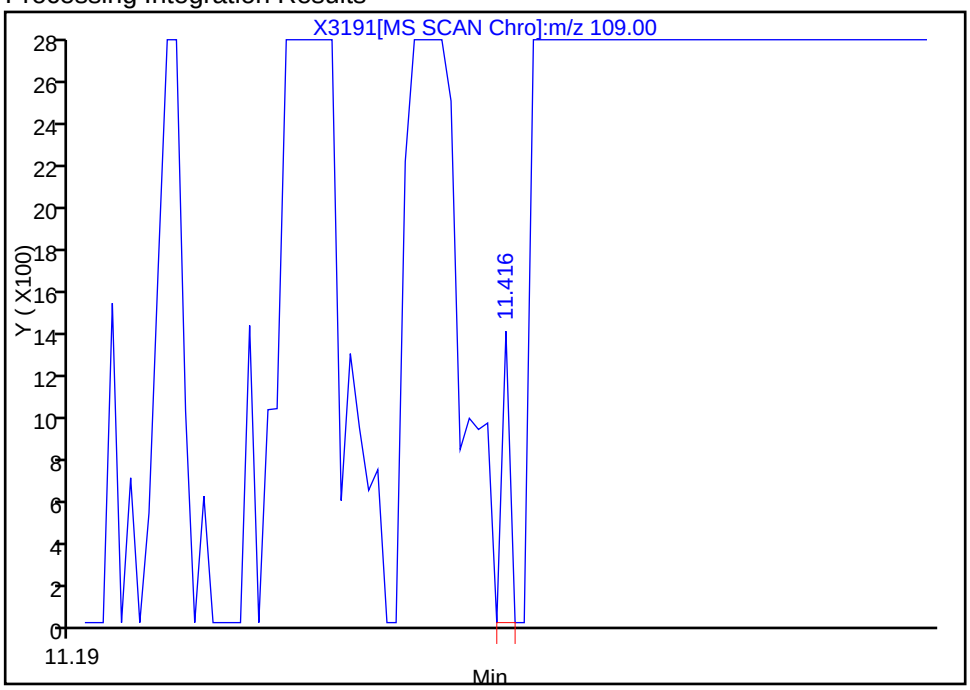
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3191.D		
Injection Date:	20-Dec-2012 10:36:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	2
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

75 4-Nitrophenol, Signal: 1, m/z: 109.0 Type: quant, RT: 11.45

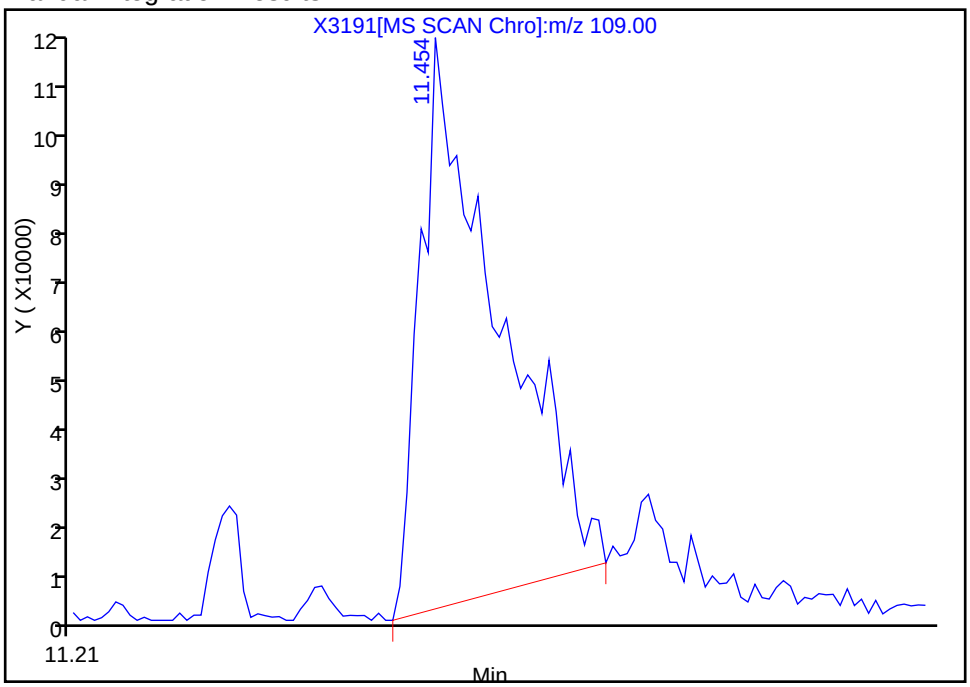
Processing Integration Results

RT: 11.42
Response: 387
Amount: 0.012922



Manual Integration Results

RT: 11.45
Response: 393183
Amount: 13.128627



Reviewer: mckernar, 20-Dec-2012 11:00:48
Audit Action: Manually Integrated
Audit Reason: Assign Peak

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-30346-1

SDG No.:

Lab Sample ID: CCVIS 480-97046/2 Calibration Date: 12/21/2012 10:13

Instrument ID: HP5973X Calib Start Date: 12/18/2012 11:20

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 12/18/2012 14:44

Lab File ID: X3222.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Lin1		0.5545		8680	8000	8.5	20.0
N-Nitrosodimethylamine	Ave	0.9135	1.015		8890	8000	11.1	20.0
Pyridine	Ave	0.9276	1.043		9000	8000	12.5	20.0
Benzaldehyde	Ave	0.9800	1.138	0.0100	9290	8000	16.1	20.0
Aniline	Ave	1.831	2.096		9160	8000	14.5	20.0
Phenol	Ave	1.523	1.824	0.7000	9580	8000	19.7	20.0
Bis(2-chloroethyl)ether	Ave	1.199	1.335	0.6000	8910	8000	11.4	20.0
2-Chlorophenol	Ave	1.295	1.506	0.8000	9300	8000	16.3	20.0
1,3-Dichlorobenzene	Ave	1.606	1.685		8400	8000	4.9	20.0
1,4-Dichlorobenzene	Ave	1.604	1.743		8690	8000	8.7	20.0
1,2-Dichlorobenzene	Ave	1.496	1.592		8520	8000	6.5	20.0
Benzyl alcohol	QuaF		0.5993		9840	8000	23.0*	20.0
2-Methylphenol	Ave	1.087	1.291	0.6000	9500	8000	18.8	20.0
2,2'-oxybis[1-chloropropane]	Ave	1.949	1.997	0.0100		8000	2.5	20.0
Acetophenone	Ave	1.854	2.159	0.0100	9310	8000	16.4	20.0
N-Nitrosodi-n-propylamine	Ave	0.9313	1.090	0.0500	9370	8000	17.1	20.0
4-Methylphenol	Ave	1.101	1.329	0.6000	9660	8000	20.7*	20.0
Hexachloroethane	Lin1		0.7094	0.3000	8920	8000	11.5	20.0
Nitrobenzene	Ave	0.3891	0.4282	0.1000	8800	8000	10.0	20.0
Isophorone	Ave	0.6400	0.7041	0.3000	8800	8000	10.0	20.0
2-Nitrophenol	Ave	0.1771	0.2050	0.0500	9260	8000	15.7	20.0
2,4-Dimethylphenol	Ave	0.3340	0.3436	0.1000	8230	8000	2.9	20.0
Bis(2-chloroethoxy)methane	Ave	0.3791	0.4068	0.2000	8580	8000	7.3	20.0
Benzoic acid	QuaF		0.1758		8220	8000	2.7	20.0
2,4-Dichlorophenol	Ave	0.2718	0.3032	0.1000	8920	8000	11.5	20.0
1,2,4-Trichlorobenzene	Ave	0.3341	0.3562		8530	8000	6.6	20.0
Naphthalene	Ave	1.108	1.147	0.6000	8290	8000	3.6	20.0
4-Chloroaniline	Ave	0.4008	0.4610	0.0100	9200	8000	15.0	20.0
Hexachlorobutadiene	Ave	0.1826	0.1941	0.0100	8500	8000	6.3	20.0
Caprolactam	Ave	0.0989	0.1193	0.0100	9650	8000	20.6*	20.0
4-Chloro-3-methylphenol	Ave	0.3003	0.3572	0.2000	9520	8000	19.0	20.0
2-Methylnaphthalene	Ave	0.7764	0.7936	0.4000	8180	8000	2.2	20.0
1-Methylnaphthalene	Ave	0.7151	0.7336			8000	2.6	20.0
Hexachlorocyclopentadiene	QuaF		0.1767	0.0500	7730	8000	-3.4	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.4691	0.5046	0.0100	8610	8000	7.6	20.0
2,4,6-Trichlorophenol	Ave	0.2887	0.3141	0.2000	8700	8000	8.8	20.0
2,4,5-Trichlorophenol	Ave	0.2793	0.3111	0.2000	8910	8000	11.4	20.0
1,1'-Biphenyl	Ave	1.446	1.507	0.0100	8340	8000	4.3	20.0
2-Chloronaphthalene	Lin1		1.087	0.8000	7760	8000	-3.0	20.0
Phenyl ether	Ave	0.7862	0.8185		8330	8000	4.1	20.0
2-Nitroaniline	Ave	0.3311	0.3881	0.0100	9380	8000	17.2	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-30346-1

SDG No.:

Lab Sample ID: CCVIS 480-97046/2 Calibration Date: 12/21/2012 10:13

Instrument ID: HP5973X Calib Start Date: 12/18/2012 11:20

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 12/18/2012 14:44

Lab File ID: X3222.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dimethyl phthalate	Ave	1.294	1.379	0.0100	8530	8000	6.6	20.0
2,6-Dinitrotoluene	Ave	0.5865	0.6684	0.1000	9120	8000	14.0	20.0
Acenaphthylene	Ave	1.749	1.860	0.9000	8510	8000	6.4	20.0
3-Nitroaniline	Ave	0.2913	0.3264	0.0100	8960	8000	12.0	20.0
Acenaphthene	Ave	1.218	1.183	0.9000	7770	8000	-2.9	20.0
2,4-Dinitrophenol	QuaF		0.1422	0.0100	18500	16000	15.6	20.0
Dibenzofuran	Ave	1.486	1.633	0.8000	8790	8000	9.9	20.0
2,4-Dinitrotoluene	Ave	0.3744	0.4296	0.2000	9180	8000	14.7	20.0
4-Nitrophenol	Ave	0.2503	0.2667	0.0500	17100	16000	6.6	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.2247	0.2446	0.0100	8710	8000	8.9	20.0
Diethyl phthalate	Ave	1.417	1.517	0.0100	8570	8000	7.1	20.0
Fluorene	Ave	1.359	1.393	0.8000	8200	8000	2.5	20.0
4-Chlorophenyl phenyl ether	Ave	0.6017	0.6253	0.4000	8310	8000	3.9	20.0
4-Nitroaniline	Lin1		0.3346	0.0100	8330	8000	4.1	20.0
4,6-Dinitro-2-methylphenol	Lin1		0.2386	0.0100	17700	16000	10.6	20.0
Diphenylamine	Ave	1.164	1.246		8560	8000	7.1	20.0
N-Nitrosodiphenylamine	Ave	1.163	1.246	0.0100	8570	8000	7.1	20.0
1,2-Diphenylhydrazine	Ave	0.7515	0.8896		9470	8000	18.4	20.0
Azobenzene	Ave	0.7500	0.8896		9490	8000	18.6	20.0
Benzophenone	Ave	1.189	1.194		8040	8000	0.4	20.0
4-Bromophenyl phenyl ether	Ave	0.1874	0.1947	0.1000	8310	8000	3.9	20.0
Hexachlorobenzene	Lin1		0.1945	0.1000	7880	8000	-1.5	20.0
Atrazine	Ave	0.3761	0.3832	0.0100	16300	16000	1.9	20.0
Pentachloronitrobenzene	Lin1		0.1062		8070	8000	0.9	20.0
Pentachlorophenol	Lin1		0.1024	0.0500	17000	16000	5.9	20.0
Phenanthrene	Ave	1.115	1.117	0.6000	8010	8000	0.2	20.0
Anthracene	Ave	1.135	1.140	0.6000	8030	8000	0.4	20.0
Carbazole	Ave	1.052	1.070	0.0100		8000	1.7	20.0
Di-n-butyl phthalate	Ave	1.220	1.337	0.0100	8770	8000	9.6	20.0
Fluoranthene	Ave	1.104	1.096	0.6000	7950	8000	-0.7	20.0
Benzidine	Ave	0.5523	0.5311		7690	8000	-3.8	20.0
Pyrene	Ave	1.340	1.466	0.6000	8750	8000	9.4	20.0
Butyl benzyl phthalate	Ave	0.7409	0.8323	0.0100	8990	8000	12.3	20.0
3,3'-Dichlorobenzidine	Ave	0.4492	0.5095	0.0100	9070	8000	13.4	20.0
Bis(2-ethylhexyl) phthalate	Ave	1.020	1.099	0.0100	8620	8000	7.7	20.0
Benzo[a]anthracene	Ave	1.077	1.216	0.6000	9030	8000	12.8	20.0
Chrysene	Ave	1.222	1.126	0.6000	7370	8000	-7.8	20.0
Di-n-octyl phthalate	Ave	1.608	1.750	0.0100	8710	8000	8.8	20.0
Benzo[b]fluoranthene	Ave	1.161	1.269	0.7000	8740	8000	9.3	20.0
Benzo[k]fluoranthene	Ave	1.196	1.243	0.7000	8310	8000	3.9	20.0
Benzo[a]pyrene	Ave	1.123	1.118	0.7000	7970	8000	-0.4	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-30346-1

SDG No.:

Lab Sample ID: CCVIS 480-97046/2 Calibration Date: 12/21/2012 10:13

Instrument ID: HP5973X Calib Start Date: 12/18/2012 11:20

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 12/18/2012 14:44

Lab File ID: X3222.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dibenz(a,h)anthracene	Ave	1.017	1.090	0.4000	8580	8000	7.2	20.0
Indeno[1,2,3-cd]pyrene	Ave	1.198	1.266	0.5000	8450	8000	5.7	20.0
Benzo[g,h,i]perylene	Ave	1.000	1.023	0.4000	8180	8000	2.3	20.0
2-Fluorophenol	Ave	1.135	1.282		9040	8000	13.0	20.0
Phenol-d5	Ave	1.381	1.641		9510	8000	18.8	20.0
Nitrobenzene-d5	Ave	0.3749	0.4245		9060	8000	13.2	20.0
2-Fluorobiphenyl	Ave	1.255	1.360		8670	8000	8.4	20.0
2,4,6-Tribromophenol	Ave	0.0920	0.0986		8570	8000	7.2	20.0
p-Terphenyl-d14	Ave	0.9641	1.059		8790	8000	9.9	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973X\20121221-17772.b\X3222.D
Lims ID: CCVIS Client ID:
Inject. Date: 21-Dec-2012 10:13:30 Dil. Factor: 1.0000
Sample Type: CCVIS
Sample ID: 480-0017772-002
Misc. Info.:
Operator: ANM Instrument ID: HP5973X
Injection Vol: 1.0 ul ALS Bottle#: 3
Lims Batch ID: 97046 Lims Sample ID: 2
Sublist: chrom-X-8270LL*sub20
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973X\20121221-17772.b\X-8270LL.m
Last Update: 28-Feb-2013 08:54:58 Calib Date: 18-Dec-2012 14:44:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3139.D
Limit Group: MB - 8270RCP_MCP ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: RXI-5Sil MS Column Dia: 0.25 mm
Process Host: XAWRK028

First Level Reviewer: mckernar Date: 21-Dec-2012 10:40:05

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.599	6.599	0.0	83	198819	5.00	
* 2 Naphthalene-d8	136	8.491	8.491	0.0	96	779062	5.00	
* 3 Acenaphthene-d10	164	11.107	11.107	0.0	90	510619	5.00	
* 4 Phenanthrene-d10	188	13.114	13.114	0.0	97	898941	5.00	
* 5 Chrysene-d12	240	15.767	15.767	0.0	95	702599	5.00	
* 6 Perylene-d12	264	17.056	17.056	0.0	98	707467	5.00	
$ 7 2-Fluorophenol	112	4.677	4.677	0.0	70	407719	9.04	
$ 8 Phenol-d5	99	6.109	6.109	0.0	87	522097	9.51	
$ 9 Nitrobenzene-d5	82	7.431	7.431	0.0	82	529172	9.06	
$ 10 2-Fluorobiphenyl	172	10.122	10.122	0.0	95	1111299	8.67	
$ 11 2,4,6-Tribromophenol	330	12.262	12.262	0.0	72	141783	8.57	
$ 12 p-Terphenyl-d14	244	14.792	14.792	0.0	95	1190783	8.79	
18 1,4-Dioxane	88	2.452	2.452	0.0	73	176397	8.68	
19 N-Nitrosodimethylamine	42	2.785	2.785	0.0	71	322807	8.89	
20 Pyridine	52	2.851	2.851	0.0	76	331809	9.00	
21 Benzaldehyde	77	5.952	5.952	0.0	90	361903	9.29	
23 Aniline	93	6.118	6.118	0.0	93	666828	9.16	
22 Phenol	94	6.128	6.128	0.0	43	580081	9.58	
24 Bis(2-chloroethyl)ether	93	6.223	6.223	0.0	99	424772	8.91	
25 2-Chlorophenol	128	6.289	6.289	0.0	97	478961	9.30	
26 1,3-Dichlorobenzene	146	6.508	6.508	0.0	97	536128	8.40	
27 1,4-Dichlorobenzene	146	6.622	6.622	0.0	82	554444	8.69	
28 Benzyl alcohol	108	6.841	6.841	0.0	65	190637	9.84	M
29 1,2-Dichlorobenzene	146	6.841	6.841	0.0	84	506507	8.52	
31 2-Methylphenol	108	7.027	7.027	0.0	74	410725	9.50	
32 2,2'-oxybis[1-chloropropane]	45	7.036	7.036	0.0	71	635402	8.20	M
33 Acetophenone	105	7.217	7.217	0.0	90	686795	9.31	
34 N-Nitrosodi-n-propylamine	70	7.222	7.222	0.0	93	346863	9.37	
36 4-Methylphenol	108	7.274	7.274	0.0	80	422690	9.66	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
37 Hexachloroethane	117	7.336	7.336	0.0	93	225662	8.92	
38 Nitrobenzene	77	7.464	7.464	0.0	75	533709	8.80	
40 Isophorone	82	7.826	7.826	0.0	76	877673	8.80	
41 2-Nitrophenol	139	7.940	7.940	0.0	87	255493	9.26	
43 2,4-Dimethylphenol	107	8.054	8.054	0.0	86	428286	8.23	
45 Bis(2-chloroethoxy)methane	93	8.173	8.173	0.0	98	507081	8.58	
44 Benzoic acid	105	8.235	8.235	0.0	1	219069	8.22	
47 2,4-Dichlorophenol	162	8.325	8.325	0.0	83	377941	8.92	
48 1,2,4-Trichlorobenzene	180	8.410	8.410	0.0	98	443999	8.53	
49 Naphthalene	128	8.520	8.520	0.0	93	1429840	8.29	
51 4-Chloroaniline	127	8.648	8.648	0.0	87	574574	9.20	
52 Hexachlorobutadiene	225	8.715	8.715	0.0	85	241947	8.50	
54 Caprolactam	113	9.186	9.186	0.0	79	148714	9.65	
55 4-Chloro-3-methylphenol	107	9.438	9.438	0.0	94	445268	9.52	
56 2-Methylnaphthalene	142	9.561	9.561	0.0	79	989231	8.18	
57 1-Methylnaphthalene	142	9.704	9.704	0.0	94	914364	8.21	
58 Hexachlorocyclopentadiene	237	9.794	9.794	0.0	82	144329	7.73	
59 1,2,4,5-Tetrachlorobenzene	216	9.813	9.813	0.0	87	412227	8.61	
60 2,4,6-Trichlorophenol	196	10.018	10.018	0.0	96	256610	8.70	
61 2,4,5-Trichlorophenol	196	10.108	10.108	0.0	94	254176	8.91	
62 1,1'-Biphenyl	154	10.265	10.265	0.0	99	1231368	8.34	
63 2-Chloronaphthalene	162	10.313	10.313	0.0	95	888350	7.76	
64 Phenyl ether	170	10.427	10.427	0.0	90	668722	8.33	
65 2-Nitroaniline	65	10.484	10.484	0.0	81	317110	9.38	
66 1,4-Dinitrobenzene	75	10.712	10.712	0.0	87	200294	0	
67 Dimethyl phthalate	163	10.764	10.764	0.0	94	1126578	8.53	
68 2,6-Dinitrotoluene	165	10.850	10.850	0.0	89	546094	9.12	
69 Acenaphthylene	152	10.898	10.898	0.0	90	1519652	8.51	
70 3-Nitroaniline	138	11.116	11.116	0.0	91	266658	8.96	
71 Acenaphthene	153	11.154	11.154	0.0	90	966426	7.77	
72 2,4-Dinitrophenol	184	11.288	11.288	0.0	89	232264	18.5	
73 Dibenzofuran	168	11.421	11.421	0.0	98	1334149	8.79	
74 2,4-Dinitrotoluene	165	11.459	11.459	0.0	98	350964	9.18	
75 4-Nitrophenol	109	11.492	11.492	0.0	51	435844	17.1	M
76 2,3,4,6-Tetrachlorophenol	232	11.640	11.640	0.0	87	199822	8.71	
78 Diethyl phthalate	149	11.811	11.811	0.0	92	1239655	8.57	
79 Fluorene	166	11.920	11.920	0.0	81	1138188	8.20	
80 4-Chlorophenyl phenyl ether	204	11.939	11.939	0.0	89	510890	8.31	
81 4-Nitroaniline	138	12.025	12.025	0.0	82	273390	8.33	
82 4,6-Dinitro-2-methylphenol	198	12.048	12.048	0.0	60	389796	17.7	
83 N-Nitrosodiphenylamine	169	12.115	12.115	0.0	99	1791651	8.57	
84 Diphenylamine	169	12.115	12.115	0.0	99	1791651	8.56	
85 Azobenzene	77	12.153	12.153	0.0	95	1279530	9.49	
16 1,2-Diphenylhydrazine	77	12.153	12.153	0.0	96	1279530	9.47	
86 Benzophenone	105	12.177	12.177	0.0	97	975750	8.04	
89 4-Bromophenyl phenyl ether	248	12.581	12.581	0.0	84	280034	8.31	
91 Hexachlorobenzene	284	12.643	12.643	0.0	76	279753	7.88	
92 Simazine	201	12.795	12.795	0.0	81	166399	0	
93 Atrazine	200	12.833	12.833	0.0	88	626140	16.3	
95 Pentachloronitrobenzene	237	12.909	12.909	0.0	84	152671	8.07	
94 Pentachlorophenol	266	12.914	12.914	0.0	76	294593	17.0	
97 Phenanthrene	178	13.142	13.142	0.0	95	1606016	8.01	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
98 Anthracene	178	13.204	13.204	0.0	95	1639621	8.03	
99 Carbazole	167	13.413	13.413	0.0	98	1539043	8.13	
101 Alachlor	160	13.561	13.561	0.0	91	329227	0	
102 Di-n-butyl phthalate	149	13.799	13.799	0.0	96	1922516	8.77	
104 Fluoranthene	202	14.422	14.422	0.0	97	1576308	7.95	
105 Benzidine	184	14.593	14.593	0.0	99	596993	7.69	
106 Pyrene	202	14.645	14.645	0.0	98	1647920	8.75	
107 Famphur	218	15.201	15.201	0.0	83	652654	0	
108 Butyl benzyl phthalate	149	15.244	15.244	0.0	94	935660	8.99	
109 3,3'-Dichlorobenzidine	252	15.739	15.739	0.0	71	572808	9.07	
110 Bis(2-ethylhexyl) phthalate	149	15.739	15.739	0.0	95	1235050	8.62	
111 Benzo[a]anthracene	228	15.753	15.753	0.0	98	1366438	9.03	
112 Chrysene	228	15.791	15.791	0.0	91	1266268	7.37	
113 Di-n-octyl phthalate	149	16.281	16.281	0.0	97	1967301	8.71	
114 Benzo[b]fluoranthene	252	16.695	16.695	0.0	94	1436598	8.74	
115 Benzo[k]fluoranthene	252	16.718	16.718	0.0	98	1406611	8.31	
116 Benzo[a]pyrene	252	17.004	17.004	0.0	71	1265973	7.97	
118 Dibenz(a,h)anthracene	278	18.155	18.155	0.0	57	1234279	8.58	
117 Indeno[1,2,3-cd]pyrene	276	18.155	18.155	0.0	95	1433195	8.45	
119 Benzo[g,h,i]perylene	276	18.473	18.473	0.0	93	1157785	8.18	
S 121 3-Methylphenol	1		0.000					

QC Flag Legend

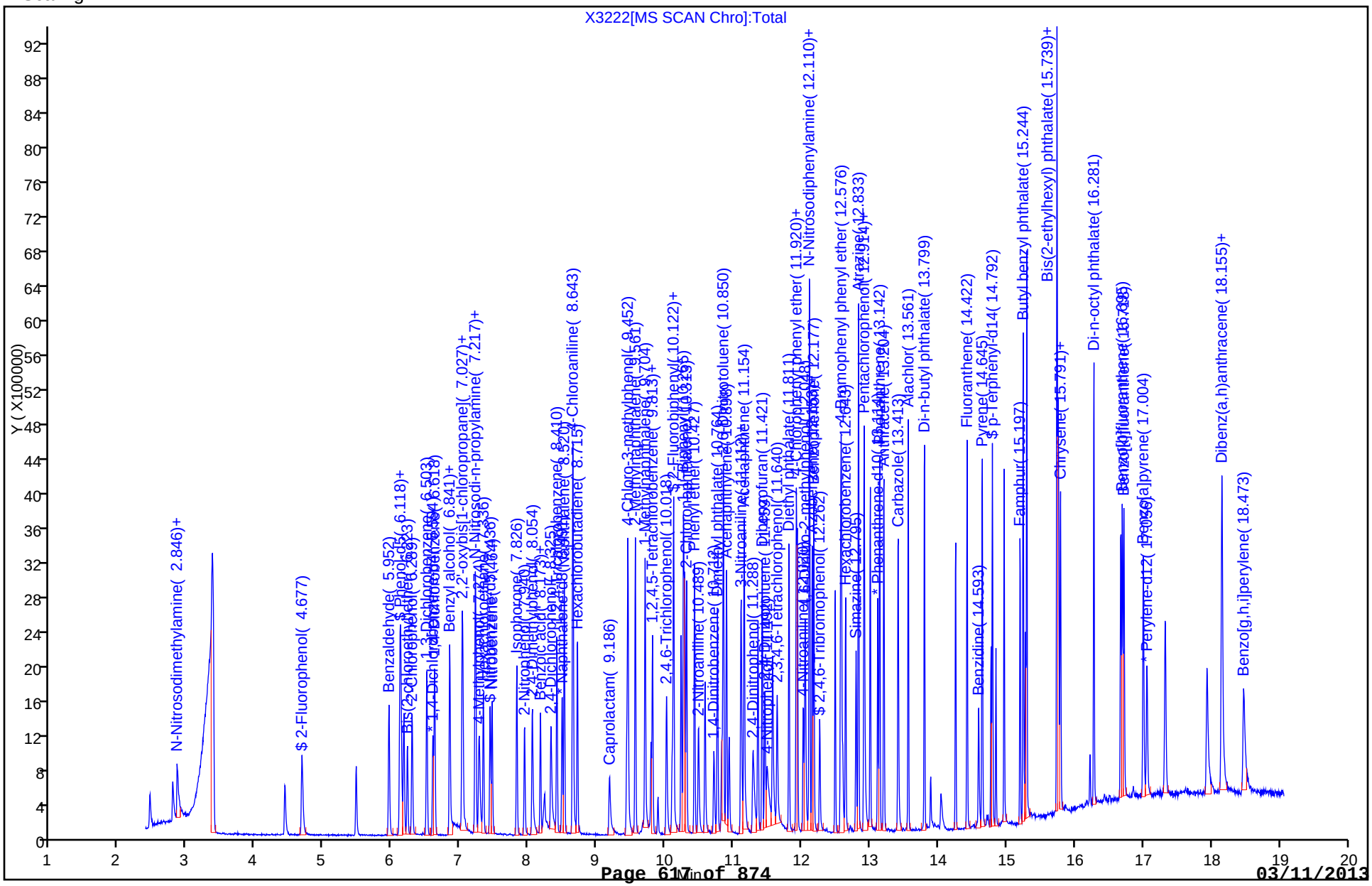
Review Flags
M - Manually Integrated

Report Date: 28-Feb-2013 08:54:58 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121221-17772.b\X3222.D		
Injection Date:	21-Dec-2012 10:13:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	97046	Lims Sample ID:	2
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:



Manual Integration/User Assign Peak Report

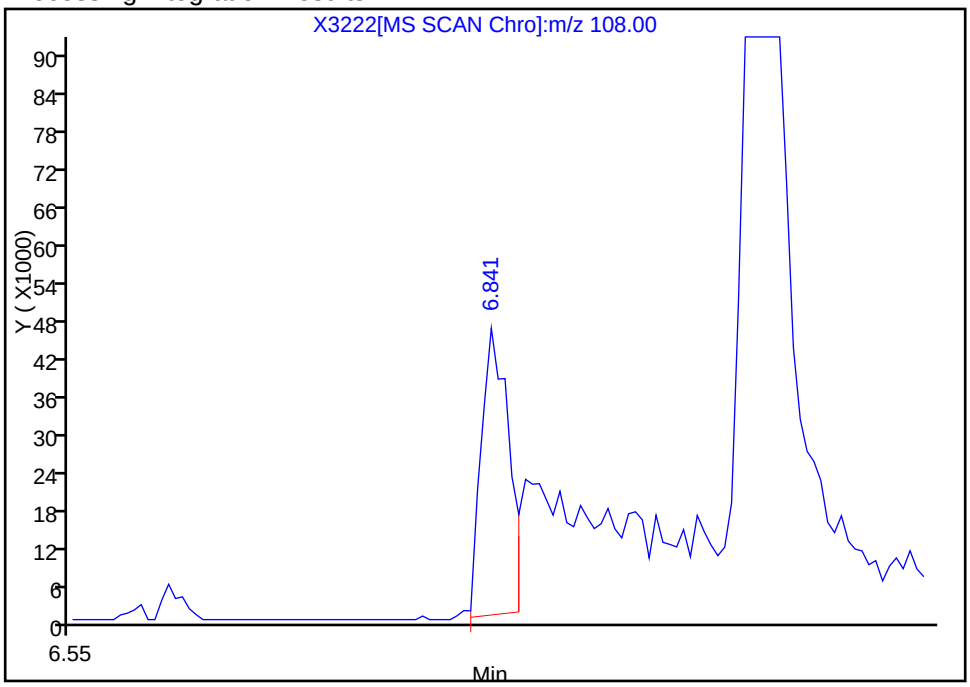
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121221-17772.b\X3222.D		
Injection Date:	21-Dec-2012 10:13:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	97046	Lims Sample ID:	2
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

28 Benzyl alcohol, Signal: 1, m/z: 108.0 Type: quant, RT: 6.84

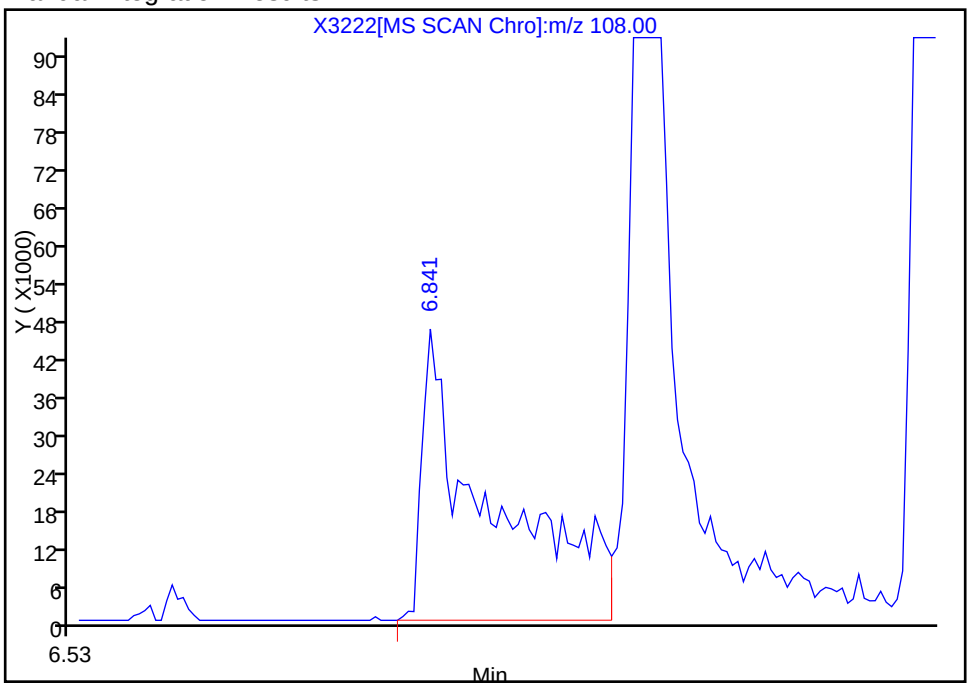
Processing Integration Results

RT: 6.84
Response: 60438
Amount: 3.693092



Manual Integration Results

RT: 6.84
Response: 190637
Amount: 9.841433



Reviewer: mckernar, 21-Dec-2012 10:40:05
Audit Action: Manually Integrated
Audit Reason: Peak Tail

Manual Integration/User Assign Peak Report

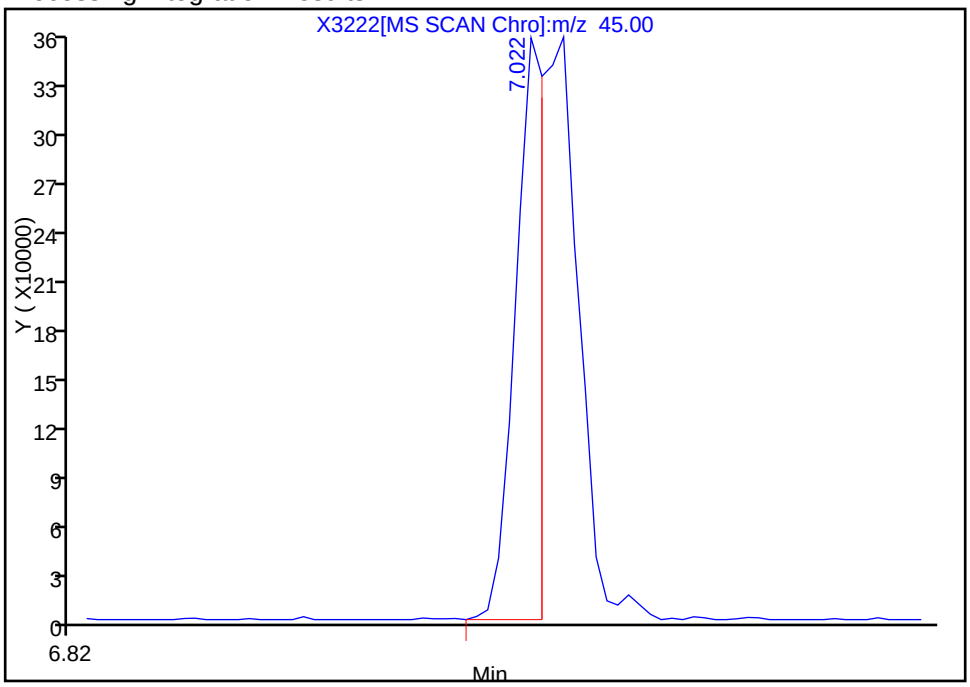
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121221-17772.b\X3222.D		
Injection Date:	21-Dec-2012 10:13:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	97046	Lims Sample ID:	2
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

32 2,2'-oxybis[1-chloropropane], Signal: 1, m/z: 45.0 Type: quant, RT: 7.04

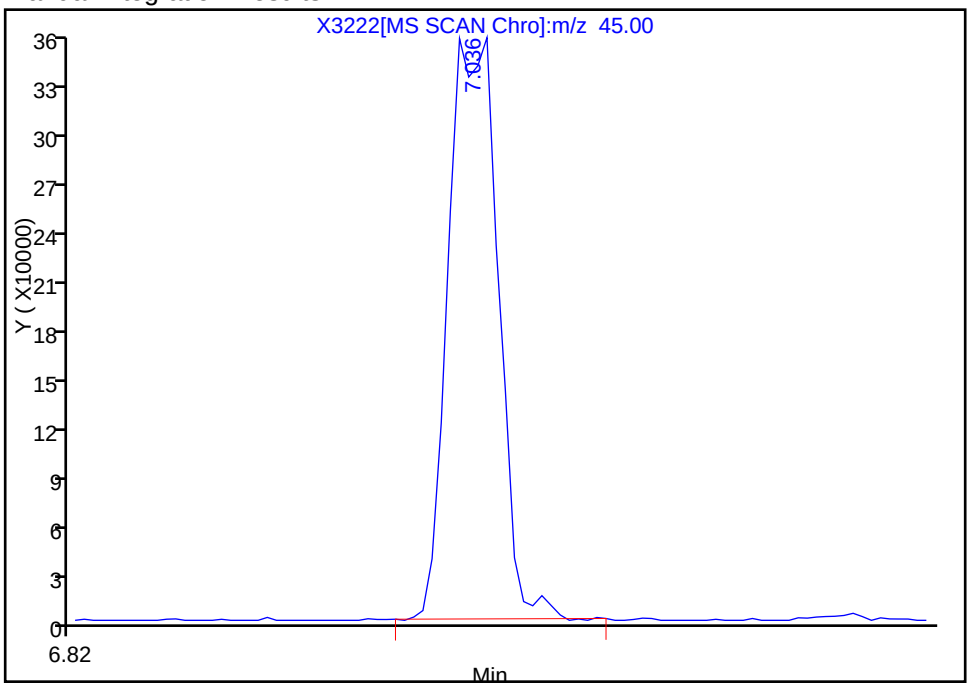
Processing Integration Results

RT: 7.02
Response: 313555
Amount: 4.045556



Manual Integration Results

RT: 7.04
Response: 635402
Amount: 8.198096



Reviewer: mckernar, 21-Dec-2012 10:40:05
Audit Action: Manually Integrated
Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

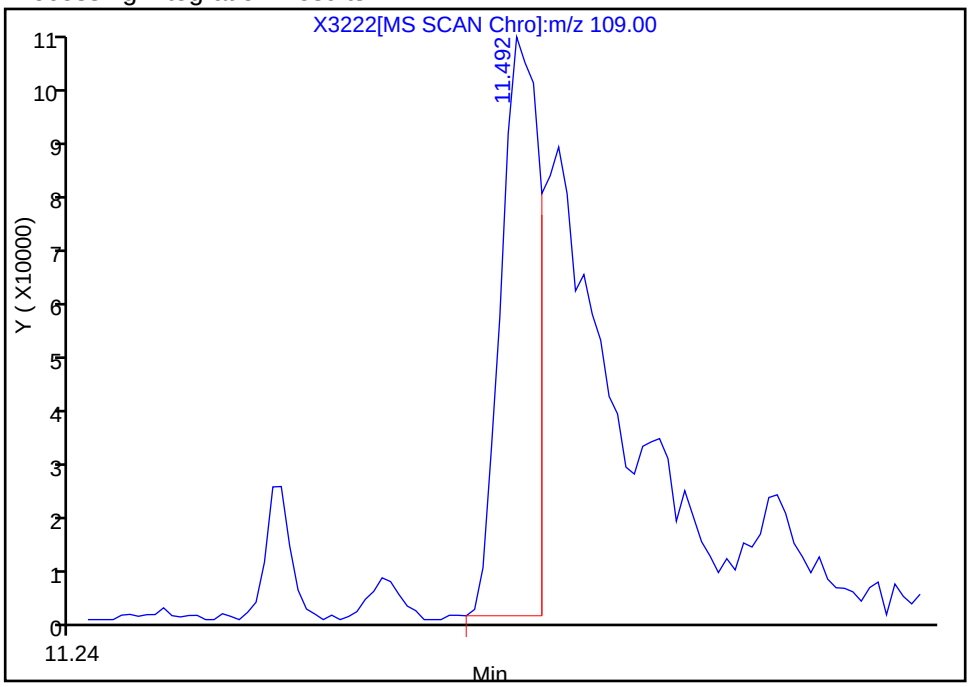
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121221-17772.b\X3222.D		
Injection Date:	21-Dec-2012 10:13:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	97046	Lims Sample ID:	2
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

75 4-Nitrophenol, Signal: 1, m/z: 109.0 Type: quant, RT: 11.49

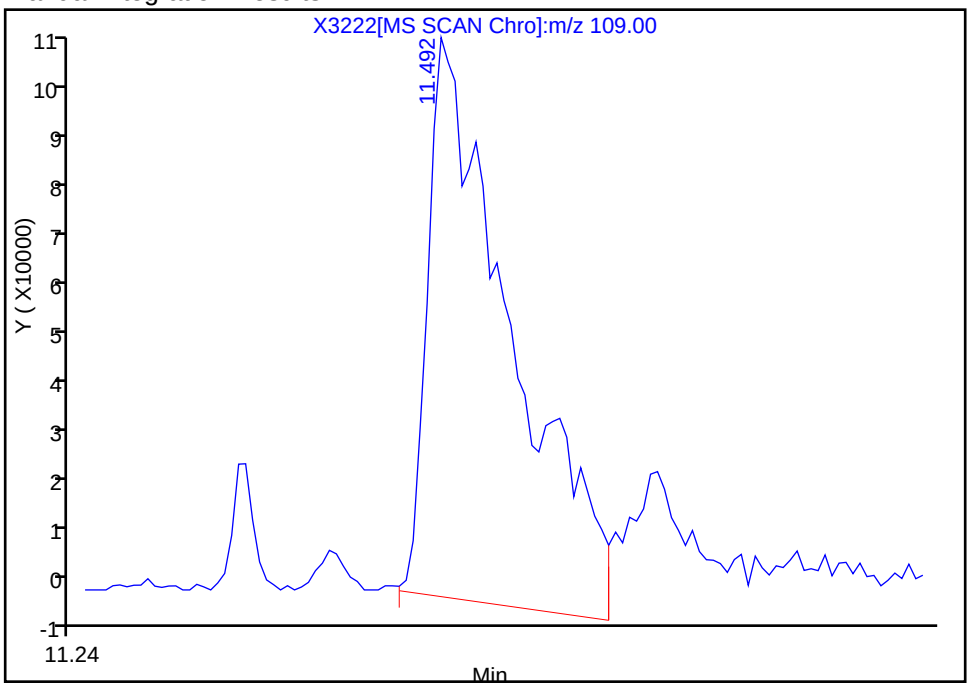
Processing Integration Results

RT: 11.49
Response: 164660
Amount: 6.442606



Manual Integration Results

RT: 11.49
Response: 435844
Amount: 17.053147



Reviewer: mckernar, 21-Dec-2012 10:40:05
Audit Action: Manually Integrated
Audit Reason: Split Peak

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3130.D		
Lims ID:	DFTPP	Client ID:	
Inject. Date:	18-Dec-2012 11:04:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	480-0017654-001		
Misc. Info.:			
Operator:	ANM	Instrument ID:	HP5973X
Injection Vol:	1.0 ul	ALS Bottle#:	2
Lims Batch ID:	96347	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X-8270LL.m		
Last Update:	18-Dec-2012 16:42:53	Calib Date:	18-Dec-2012 14:44:30
Quant Method:	Internal Standard	Quant By:	Continuing Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3139.D		
Limit Group:	MB - 8270RCP_MCP ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm
Process Host:	XAWRK017		

First Level Reviewer: mckernar Date: 18-Dec-2012 16:42:53

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
30 Pentachlorophenol_T	266	6.803	6.803	0.0	80	1439409	0	
35 DFTPP								
39 4,4'-DDE	246		7.713					
46 Benzidine_T	184	8.171	8.171	0.0	93	8089248	0	
50 4,4'-DDD	235	8.604	8.604	0.0	36	21681	0	
53 4,4'-DDT	235	8.839	8.839	0.0	87	3937389	0	

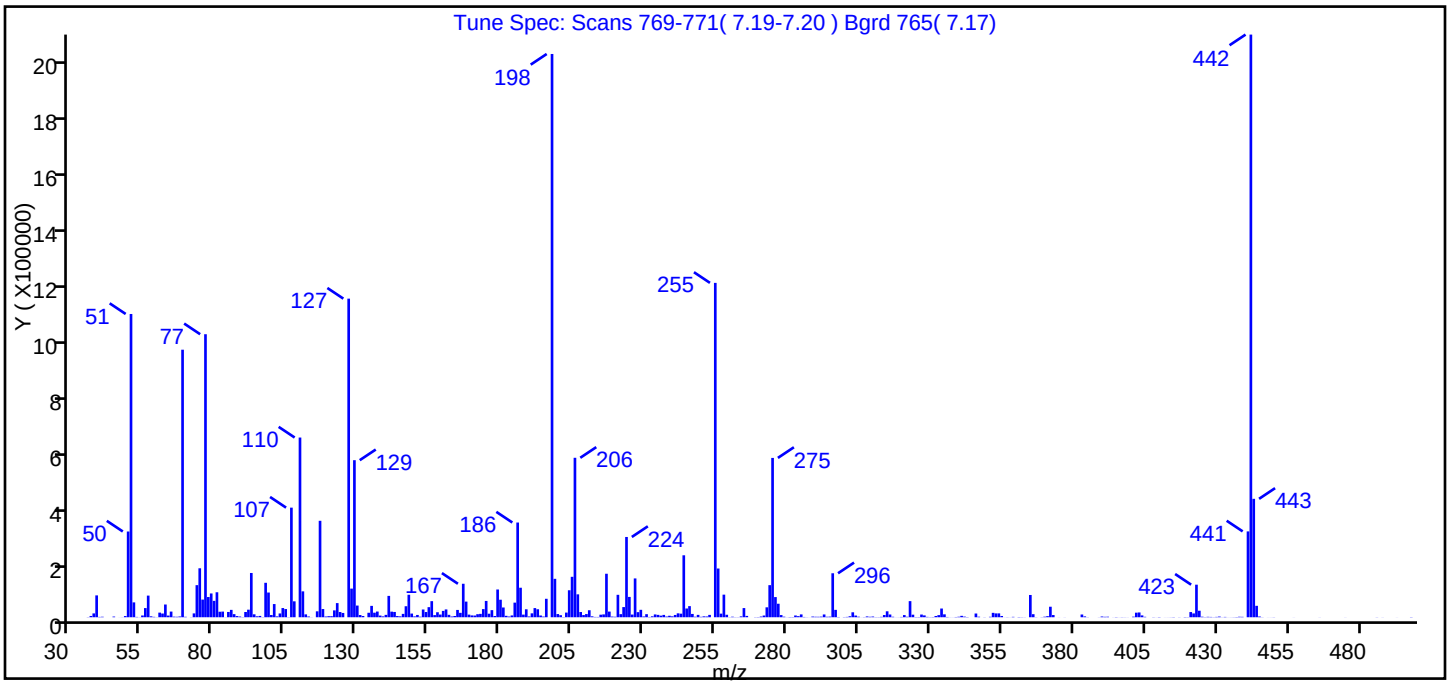
Report Date: 18-Dec-2012 16:42:54 Chrom Revision: 2.0 22-Oct-2012 16:30:48

MS Tune Report

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3130.D		
Injection Date:	18-Dec-2012 11:04:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	1
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm
Tune Method:	DFTPP Method 8270		

35 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	53.84
68	Less than 2.00% of mass 69	0.14 (0.29)
69	Present	47.50
70	Less than 2.00% of mass 69	0.08 (0.17)
127	40.00 - 60.00% of mass 198	56.56
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.82
275	10.00 - 30.00% of mass 198	28.29
365	Greater than 1.00% of mass 198	3.95
441	Present, but less than mass 443%	15.24 (72.50)
442	Greater than 40.00% of mass 198	103.44
443	17.00 - 23.00% of mass 442	21.02 (20.33)

Data File: \\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3130.D\X-8270LL.rslt\spectra.d
Injection Date: 18-Dec-2012 11:04:30
Spectrum: Tune Spec: Scans 769-771(7.19-7.20) Bgrd 765(7.17)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 382

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	601	141.00	75584	238.00	2533	338.00	227
37.00	4569	142.00	19824	239.00	5317	339.00	958
38.00	13637	143.00	18768	240.00	3212	340.00	1789
39.00	77392	144.00	4222	241.00	8118	341.00	5019
40.00	1256	145.00	3135	242.00	13862	342.00	2283
41.00	1801	146.00	11937	243.00	12673	343.00	805
45.00	2467	147.00	39000	244.00	219264	346.00	13248
47.00	159	148.00	79600	245.00	30992	347.00	1950
48.00	356	149.00	13036	246.00	39376	349.00	468
49.00	4213	150.00	3083	247.00	11776	351.00	1635
50.00	303424	151.00	8151	248.00	1909	352.00	15619
51.00	1073152	152.00	1897	249.00	8417	353.00	13644
52.00	52632	153.00	27440	250.00	1541	354.00	13740
53.00	1241	154.00	18496	251.00	3189	355.00	4520
54.00	377	155.00	35712	252.00	2672	356.00	205
55.00	6237	156.00	56960	253.00	8375	357.00	474
56.00	32448	157.00	7627	255.00	1183232	358.00	207
57.00	76616	158.00	17720	256.00	172480	359.00	1456
58.00	3263	159.00	9559	257.00	12816	361.00	853
59.00	1428	160.00	22480	258.00	80000	362.00	525
60.00	376	161.00	27696	259.00	8827	363.00	350
61.00	16383	162.00	8580	260.00	527	365.00	78824
62.00	13246	163.00	2685	261.00	1930	366.00	10834
63.00	45120	164.00	4439	262.00	547	367.00	458
64.00	5977	165.00	25904	263.00	512	369.00	533
65.00	20104	166.00	15633	264.00	3059	370.00	2008
66.00	2098	167.00	118528	265.00	32472	371.00	3888
67.00	1713	168.00	55392	266.00	4782	372.00	37256
68.00	2738	169.00	9329	269.00	647	373.00	7797
69.00	946752	170.00	6481	270.00	826	375.00	204
70.00	1630	171.00	6052	271.00	2567	377.00	250
72.00	436	172.00	10782	272.00	6105	383.00	9742
73.00	13669	173.00	11984	273.00	35160	384.00	3054

Report Date: 18-Dec-2012 16:42:54 Chrom Revision: 2.0 22-Oct-2012 16:30:48
Data File: \\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3130.D\X-8270LL.rslt\spectra.d
Injection Date: 18-Dec-2012 11:04:30
Spectrum: Tune Spec: Scans 769-771(7.19-7.20) Bgrd 765(7.17)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 382

m/z	Y	m/z	Y	m/z	Y	m/z	Y
74.00	113584	174.00	28880	274.00	113576	385.00	497
75.00	173312	175.00	57720	275.00	563840	389.00	333
76.00	62536	176.00	12496	276.00	71408	390.00	2660
77.00	1001536	177.00	25152	277.00	47856	391.00	1628
78.00	71528	178.00	4423	278.00	7736	392.00	1950
79.00	84224	179.00	98272	279.00	1979	394.00	212
80.00	58008	180.00	62040	280.00	298	395.00	745
81.00	88448	181.00	34576	281.00	878	396.00	190
82.00	19488	182.00	5074	282.00	893	397.00	504
83.00	20040	183.00	2607	283.00	6260	398.00	346
84.00	390	184.00	6402	284.00	3882	399.00	223
85.00	18728	185.00	51720	285.00	10057	401.00	2090
86.00	26128	186.00	335232	286.00	1101	402.00	16214
87.00	10972	187.00	104472	287.00	405	403.00	16928
88.00	4190	188.00	9360	288.00	186	404.00	6495
89.00	2605	189.00	28200	289.00	2469	405.00	1557
90.00	696	190.00	2804	290.00	1817	408.00	563
91.00	18600	191.00	13874	291.00	1691	409.00	171
92.00	26824	192.00	32456	292.00	2181	410.00	823
93.00	156672	193.00	28320	293.00	9881	412.00	183
94.00	10394	194.00	6163	294.00	1787	413.00	211
95.00	3384	195.00	2460	295.00	2181	414.00	348
96.00	4717	196.00	65344	296.00	155648	415.00	730
97.00	640	198.00	1993216	297.00	26168	417.00	440
98.00	121936	199.00	136000	298.00	973	419.00	857
99.00	87496	200.00	11336	300.00	733	420.00	615
100.00	7902	201.00	7226	301.00	1256	421.00	18392
101.00	46696	202.00	832	302.00	3524	422.00	13514
102.00	3090	203.00	16528	303.00	17544	423.00	115272
103.00	13457	204.00	95528	304.00	6053	424.00	23096
104.00	32592	205.00	143104	305.00	2052	425.00	1961
105.00	29024	206.00	564288	306.00	195	426.00	671
106.00	637	207.00	81088	307.00	627	427.00	1548
107.00	387904	208.00	18480	308.00	2937	428.00	1165

Report Date: 18-Dec-2012 16:42:54 Chrom Revision: 2.0 22-Oct-2012 16:30:48
Data File: \\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3130.D\X-8270LL.rslt\spectra.d
Injection Date: 18-Dec-2012 11:04:30
Spectrum: Tune Spec: Scans 769-771(7.19-7.20) Bgrd 765(7.17)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 382

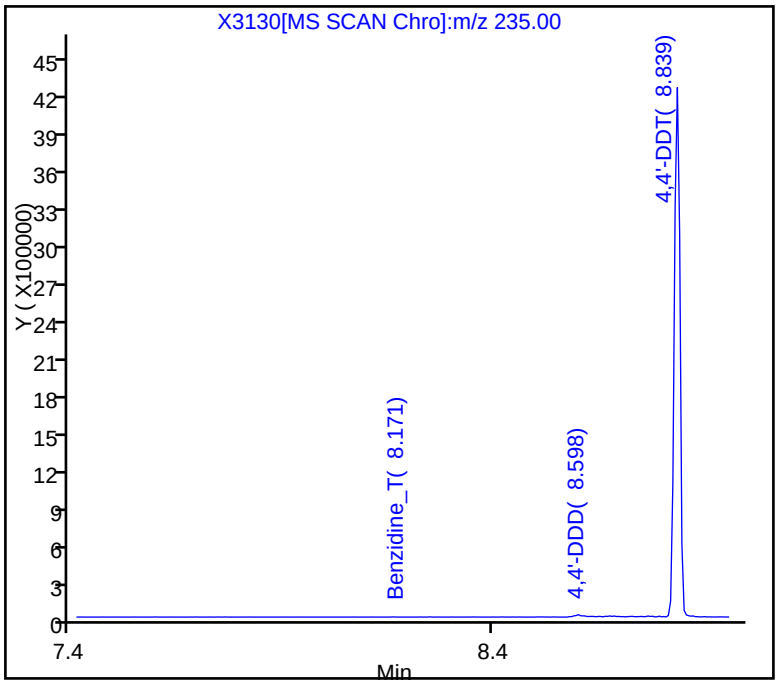
m/z	Y	m/z	Y	m/z	Y	m/z	Y
108.00	56360	209.00	7797	309.00	1700	429.00	544
110.00	635968	210.00	11285	310.00	2578	430.00	1308
111.00	91656	211.00	24832	311.00	609	431.00	2439
112.00	10233	212.00	3280	312.00	630	432.00	365
113.00	2786	213.00	1136	313.00	1487	433.00	1204
114.00	341	214.00	1108	314.00	7896	434.00	215
116.00	21016	215.00	9047	315.00	21096	435.00	286
117.00	341312	216.00	10100	316.00	9754	436.00	482
118.00	29104	217.00	153984	317.00	1777	437.00	890
119.00	2615	218.00	20096	318.00	212	438.00	1793
120.00	3801	219.00	2406	319.00	311	439.00	1489
121.00	3687	220.00	1774	320.00	1159	441.00	303808
122.00	24352	221.00	79416	321.00	7699	442.00	2061824
123.00	50096	222.00	10975	322.00	1744	443.00	419072
124.00	18496	223.00	35992	323.00	57048	444.00	40488
125.00	15172	224.00	284096	324.00	9076	445.00	2678
127.00	1127424	225.00	71960	325.00	827	446.00	442
128.00	101408	226.00	9540	326.00	928	448.00	182
129.00	555776	227.00	137408	327.00	9583	449.00	197
130.00	41376	228.00	18024	328.00	6590	450.00	454
131.00	7924	229.00	26336	329.00	1330	457.00	178
132.00	4401	230.00	2730	330.00	621	466.00	261
134.00	15882	231.00	10886	331.00	926	475.00	210
135.00	40272	232.00	1145	332.00	4494	486.00	421
136.00	16166	233.00	3335	333.00	7496	488.00	247
137.00	20200	234.00	9987	334.00	30904	493.00	174
138.00	5944	235.00	8447	335.00	10325	498.00	720
139.00	3109	236.00	5701	336.00	1057		
140.00	8425	237.00	8315	337.00	285		

Breakdown Report

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3130.D		
Injection Date:	18-Dec-2012 11:04:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	1
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

53 4,4'-DDT, Detector: MS SCAN



SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

53 4,4'-DDT, Area = 3937389
50 4,4'-DDD, Area = 21681
39 4,4'-DDE, Area = 0

%Breakdown: 0.55%, Max Limit: 20.00%
Passed

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3190.D		
Lims ID:	DFTPP	Client ID:	
Inject. Date:	20-Dec-2012 10:20:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	480-0017736-001		
Misc. Info.:			
Operator:	ANM	Instrument ID:	HP5973X
Injection Vol:	1.0 ul	ALS Bottle#:	2
Lims Batch ID:	96803	Lims Sample ID:	1
Detector:	MS SCAN		

Method:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X-8270LL.m		
Last Update:	20-Dec-2012 11:00:50	Calib Date:	18-Dec-2012 14:44:30
Quant Method:	Internal Standard	Quant By:	Continuing Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3139.D		
Limit Group:	MB - 8270RCP_MCP ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm
Process Host:	XAWRK010		

First Level Reviewer: mckernar Date: 20-Dec-2012 11:00:50

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
30 Pentachlorophenol_T	266	6.782	6.782	0.0	82	784693	0	
35 DFTPP								
39 4,4'-DDE	246		7.713					9
46 Benzidine_T	184	8.160	8.160	0.0	97	5227188	0	
50 4,4'-DDD	235	8.588	8.588	0.0	43	17623	0	
53 4,4'-DDT	235	8.833	8.833	0.0	92	2333983	0	

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

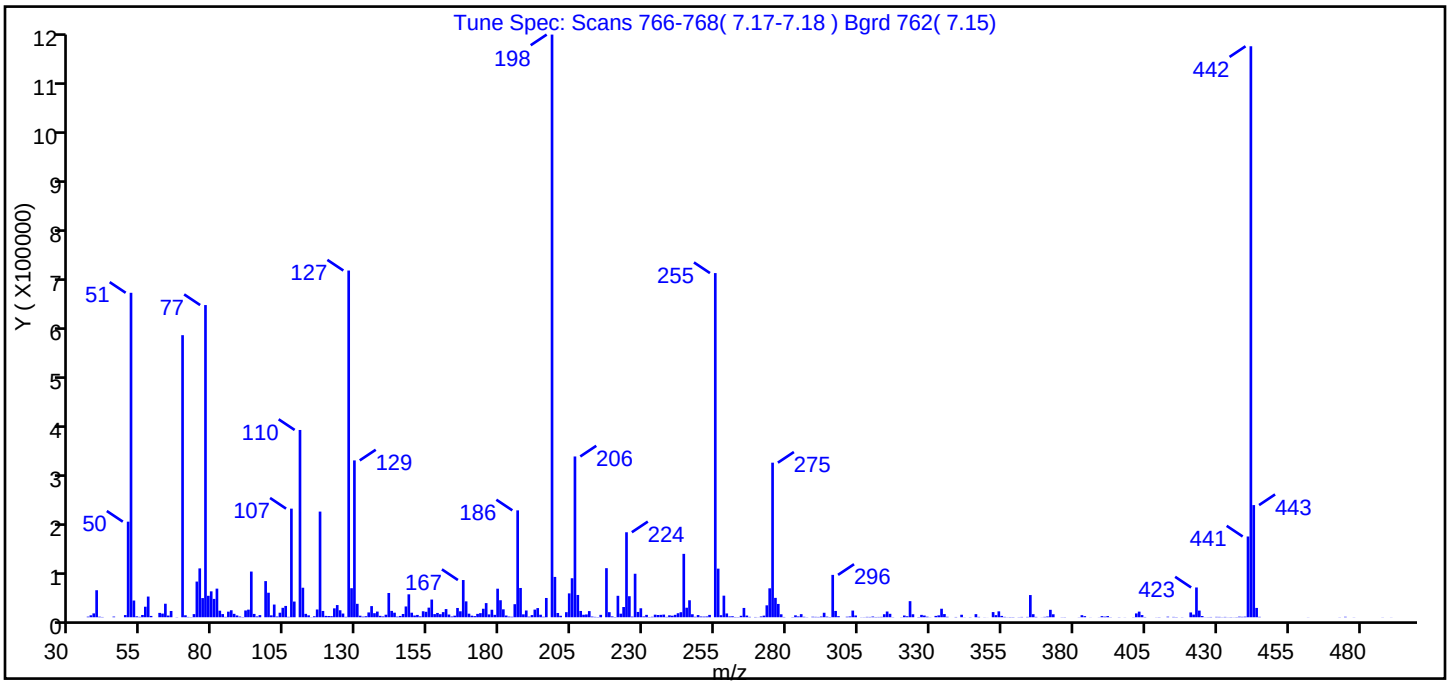
Report Date: 20-Dec-2012 11:00:50 Chrom Revision: 2.0 22-Oct-2012 16:30:48

MS Tune Report

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3190.D		
Injection Date:	20-Dec-2012 10:20:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	1
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm
Tune Method:	DFTPP Method 8270		

35 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	55.69
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Present	48.41
70	Less than 2.00% of mass 69	0.34 (0.70)
127	40.00 - 60.00% of mass 198	59.51
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.92
275	10.00 - 30.00% of mass 198	26.53
365	Greater than 1.00% of mass 198	3.81
441	Present, but less than mass 443%	13.86 (72.00)
442	Greater than 40.00% of mass 198	98.00
443	17.00 - 23.00% of mass 442	19.25 (19.64)

Data File: \\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3190.D\X-8270LL.rslt\spectra.d
Injection Date: 20-Dec-2012 10:20:30
Spectrum: Tune Spec: Scans 766-768(7.17-7.18) Bgrd 762(7.15)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 356

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1159	136.00	7822	228.00	10248	328.00	3326
37.00	3768	137.00	10962	229.00	17352	329.00	1089
38.00	7472	138.00	2741	230.00	1555	330.00	221
39.00	52144	139.00	1653	231.00	4613	332.00	2641
40.00	1035	140.00	4909	232.00	583	333.00	3625
41.00	551	141.00	46832	233.00	950	334.00	16448
45.00	1307	142.00	12300	234.00	4989	335.00	6135
49.00	4189	143.00	8812	235.00	4367	336.00	889
50.00	184448	144.00	1258	236.00	4641	339.00	557
51.00	626112	145.00	2524	237.00	5137	341.00	4838
52.00	32296	146.00	6323	238.00	771	342.00	211
53.00	1744	147.00	20824	239.00	3756	344.00	365
54.00	780	148.00	44248	240.00	2986	346.00	5999
55.00	4390	149.00	8781	241.00	4685	347.00	740
56.00	20328	150.00	3344	242.00	7785	349.00	216
57.00	39952	151.00	4496	243.00	9757	350.00	95
58.00	2562	152.00	1697	244.00	122344	352.00	9975
60.00	32	153.00	11571	245.00	18392	353.00	4067
61.00	8436	154.00	10530	246.00	32776	354.00	11432
62.00	7119	155.00	18536	247.00	5808	355.00	2617
63.00	26104	156.00	34176	248.00	938	356.00	724
64.00	3297	157.00	6071	249.00	4225	357.00	258
65.00	12125	158.00	8315	250.00	1451	358.00	439
67.00	330	159.00	5881	251.00	1260	359.00	425
69.00	544320	160.00	9923	252.00	1507	361.00	322
70.00	3790	161.00	15798	253.00	4537	362.00	635
71.00	636	162.00	5247	255.00	664128	364.00	692
72.00	397	163.00	1483	256.00	93808	365.00	42840
73.00	6056	164.00	3021	257.00	3973	366.00	5930
74.00	68864	165.00	17920	258.00	41672	367.00	712
75.00	94296	166.00	11484	259.00	7352	369.00	188
76.00	36992	167.00	71824	260.00	1614	370.00	752
77.00	602432	168.00	30680	261.00	1974	371.00	1381

Report Date: 20-Dec-2012 11:00:50 Chrom Revision: 2.0 22-Oct-2012 16:30:48
Data File: \\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3190.D\X-8270LL.rslt\spectra.d
Injection Date: 20-Dec-2012 10:20:30
Spectrum: Tune Spec: Scans 766-768(7.17-7.18) Bgrd 762(7.15)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 356

m/z	Y	m/z	Y	m/z	Y	m/z	Y
78.00	41416	169.00	6889	262.00	554	372.00	14382
79.00	50008	170.00	3017	263.00	438	373.00	5776
80.00	35432	171.00	2218	264.00	2818	376.00	276
81.00	55232	172.00	6534	265.00	17984	377.00	347
82.00	12660	173.00	7898	266.00	3272	382.00	279
83.00	6172	174.00	16416	267.00	777	383.00	4000
84.00	748	175.00	27320	269.00	546	384.00	2124
85.00	10811	176.00	5523	270.00	186	386.00	187
86.00	13486	177.00	14499	271.00	1563	389.00	216
87.00	6604	178.00	4643	272.00	3121	390.00	2177
88.00	3476	179.00	55120	273.00	23016	391.00	1218
89.00	1448	180.00	32832	274.00	55864	392.00	2321
90.00	516	181.00	15301	275.00	298304	393.00	329
91.00	13074	182.00	3336	276.00	37408	396.00	313
92.00	14712	183.00	1333	277.00	25688	398.00	190
93.00	88184	184.00	946	278.00	5733	401.00	287
94.00	6452	185.00	25216	279.00	582	402.00	7419
95.00	1591	186.00	206272	282.00	444	403.00	10889
96.00	4149	187.00	56504	283.00	3732	404.00	4182
98.00	69744	188.00	5658	284.00	1580	405.00	578
99.00	47328	189.00	13064	285.00	6017	409.00	212
100.00	3670	190.00	1168	286.00	890	410.00	374
101.00	24536	191.00	4168	287.00	311	413.00	1115
102.00	1400	192.00	14753	289.00	997	415.00	683
103.00	8739	193.00	17704	290.00	787	416.00	458
104.00	18224	194.00	4855	291.00	625	418.00	307
105.00	21848	195.00	923	292.00	1386	421.00	9296
106.00	857	196.00	37208	293.00	8671	422.00	5112
107.00	209600	198.00	1124352	294.00	1215	423.00	57480
108.00	30296	199.00	77824	295.00	518	424.00	12837
110.00	361408	200.00	8245	296.00	81776	425.00	2330
111.00	56968	201.00	2858	297.00	12180	426.00	230
112.00	6575	203.00	9771	298.00	2050	427.00	327
113.00	3653	204.00	46072	301.00	1032	428.00	556

Report Date: 20-Dec-2012 11:00:50 Chrom Revision: 2.0 22-Oct-2012 16:30:48
Data File: \\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3190.D\X-8270LL.rslt\spectra.d
Injection Date: 20-Dec-2012 10:20:30
Spectrum: Tune Spec: Scans 766-768(7.17-7.18) Bgrd 762(7.15)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 356

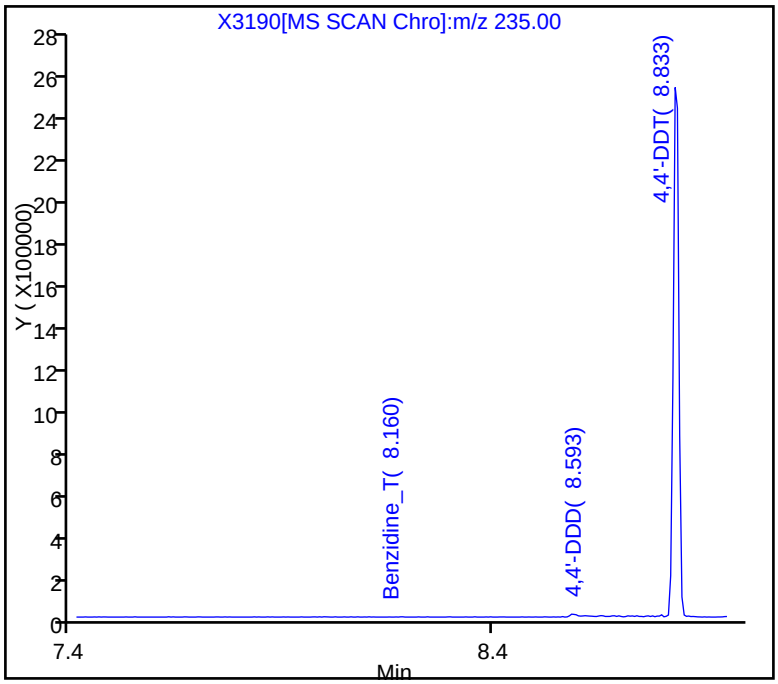
m/z	Y	m/z	Y	m/z	Y	m/z	Y
114.00	289	205.00	75272	302.00	1496	430.00	768
115.00	1896	206.00	310272	303.00	12910	431.00	709
116.00	14994	207.00	43008	304.00	3417	432.00	296
117.00	203904	208.00	12172	306.00	260	433.00	667
118.00	12157	209.00	4833	307.00	317	434.00	232
119.00	2632	210.00	5421	308.00	742	435.00	435
120.00	2402	211.00	11879	309.00	629	436.00	212
121.00	2079	212.00	1345	310.00	1411	437.00	433
122.00	17176	213.00	730	311.00	526	438.00	1163
123.00	23536	214.00	471	312.00	633	439.00	846
124.00	13499	215.00	4628	313.00	754	440.00	1159
125.00	7178	217.00	94720	314.00	5827	441.00	155840
126.00	806	218.00	9820	315.00	11092	442.00	1101824
127.00	669056	219.00	1641	316.00	6652	443.00	216448
128.00	56064	220.00	480	317.00	362	444.00	17992
129.00	302656	221.00	41408	320.00	300	445.00	816
130.00	25920	222.00	6903	321.00	3384	462.00	187
131.00	2994	223.00	19744	322.00	1863	473.00	256
132.00	1194	224.00	164032	323.00	31064	475.00	917
133.00	1970	225.00	40600	324.00	5810	478.00	232
134.00	9300	226.00	1276	326.00	505	488.00	227
135.00	21536	227.00	83952	327.00	4585	491.00	183

Breakdown Report

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3190.D		
Injection Date:	20-Dec-2012 10:20:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	1
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

53 4,4'-DDT, Detector: MS SCAN



SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

53 4,4'-DDT, Area = 2333983
50 4,4'-DDD, Area = 17623
39 4,4'-DDE, Area = 0

%Breakdown: 0.75%, Max Limit: 20.00%
Passed

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973X\20121221-17772.b\X3221.D		
Lims ID:	DFTPP	Client ID:	
Inject. Date:	21-Dec-2012 09:57:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	480-0017772-001		
Misc. Info.:			
Operator:	ANM	Instrument ID:	HP5973X
Injection Vol:	1.0 ul	ALS Bottle#:	2
Lims Batch ID:	97046	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973X\20121221-17772.b\X-8270LL.m		
Last Update:	28-Feb-2013 08:54:56	Calib Date:	18-Dec-2012 14:44:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3139.D		
Limit Group:	MB - 8270RCP_MCP ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm
Process Host:	XAWRK028		

First Level Reviewer: mckernar Date: 21-Dec-2012 10:17:59

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
30 Pentachlorophenol_T	266	6.824	6.824	0.0	82	583423	0	
35 DFTPP								
39 4,4'-DDE	246		7.713					
46 Benzidine_T	184	8.192	8.192	0.0	97	4654602	0	
50 4,4'-DDD	235		8.588					
53 4,4'-DDT	235	8.854	8.854	0.0	90	1967665	0	

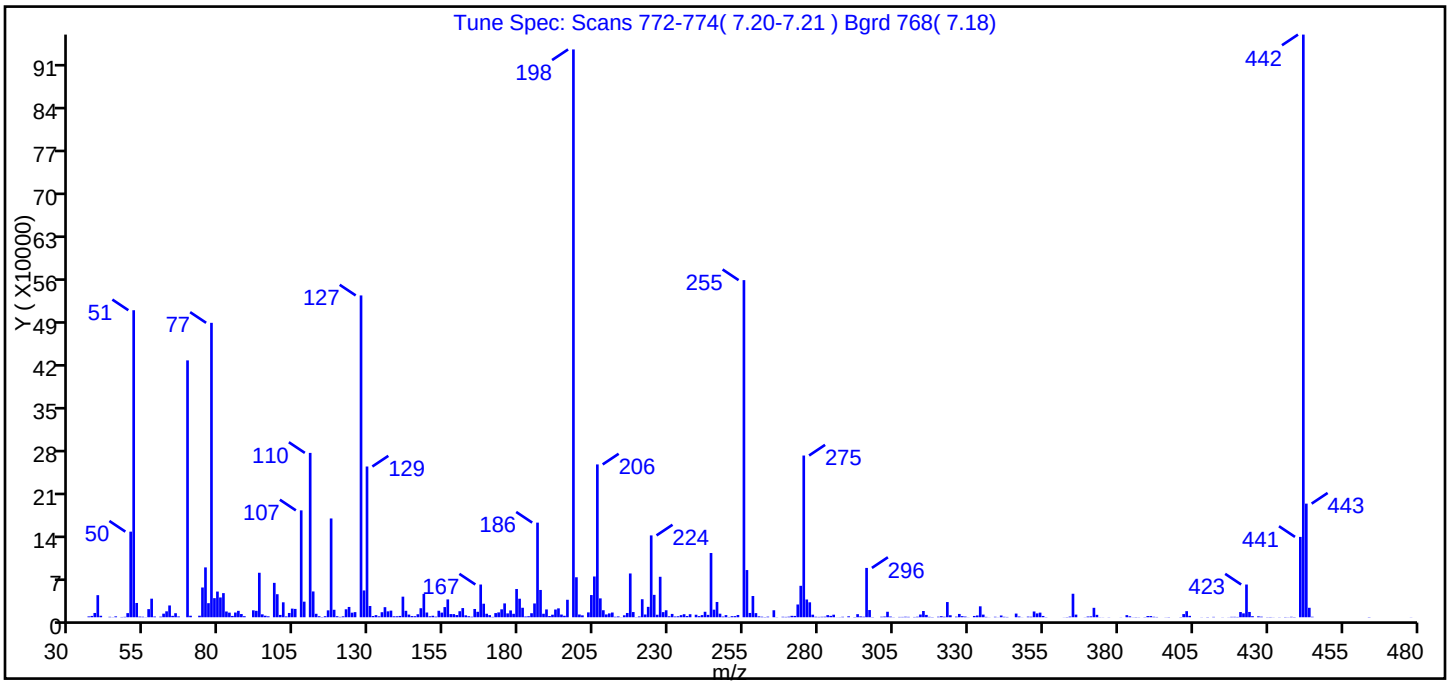
Report Date: 28-Feb-2013 08:54:57 Chrom Revision: 2.0 01-Feb-2013 10:03:10

MS Tune Report

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121221-17772.b\X3221.D		
Injection Date:	21-Dec-2012 09:57:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	97046	Lims Sample ID:	1
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm
Tune Method:	DFTPP Method 8270		

35 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	54.07
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Present	45.24
70	Less than 2.00% of mass 69	0.27 (0.59)
127	40.00 - 60.00% of mass 198	56.67
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	7.04
275	10.00 - 30.00% of mass 198	28.48
365	Greater than 1.00% of mass 198	4.14
441	Present, but less than mass 443%	14.15 (70.72)
442	Greater than 40.00% of mass 198	102.61
443	17.00 - 23.00% of mass 442	20.01 (19.50)

Data File: \\Bufchrom\ChromData\HP5973X\20121221-17772.b\X3221.D\X-8270LL.rslt\spectra.d
Injection Date: 21-Dec-2012 09:57:30
Spectrum: Tune Spec: Scans 772-774(7.20-7.21) Bgrd 768(7.18)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 348

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1386	137.00	10813	226.00	4107	324.00	3274
37.00	2190	138.00	1541	227.00	66016	326.00	987
38.00	6987	139.00	1630	228.00	8374	327.00	5408
39.00	36032	140.00	2154	229.00	11393	328.00	1790
40.00	2428	141.00	33592	230.00	1581	329.00	1134
43.00	741	142.00	10512	231.00	5432	330.00	195
44.00	244	143.00	4355	232.00	1224	332.00	2119
45.00	1455	144.00	1940	233.00	1599	333.00	2905
47.00	479	145.00	1720	234.00	3438	334.00	17856
48.00	673	146.00	4909	235.00	4954	335.00	4329
49.00	6758	147.00	14747	236.00	1987	336.00	636
50.00	139648	148.00	38104	237.00	4950	337.00	178
51.00	500800	149.00	7740	239.00	4116	339.00	794
52.00	23304	150.00	1594	240.00	1859	340.00	174
53.00	1092	151.00	2443	241.00	3470	341.00	2874
54.00	884	152.00	995	242.00	8946	342.00	753
55.00	235	153.00	10603	243.00	3900	343.00	520
56.00	13242	154.00	7580	244.00	104792	346.00	6022
57.00	30304	155.00	16584	245.00	12388	347.00	1221
58.00	1183	156.00	29128	246.00	24928	348.00	176
60.00	994	157.00	5186	247.00	5810	350.00	1055
61.00	5849	158.00	5123	248.00	1117	351.00	853
62.00	9691	159.00	3613	249.00	3500	352.00	9433
63.00	19256	160.00	9849	250.00	530	353.00	6277
64.00	2284	161.00	14982	251.00	1729	354.00	7549
65.00	6587	162.00	3115	252.00	1841	355.00	2129
66.00	1309	163.00	1690	253.00	3716	356.00	329
69.00	419008	164.00	885	255.00	549888	362.00	170
70.00	2486	165.00	13497	256.00	76984	363.00	394
73.00	2510	166.00	8911	257.00	7001	364.00	1128
74.00	48552	167.00	53400	258.00	34648	365.00	38344
75.00	81328	168.00	22088	259.00	6756	366.00	4312
76.00	22976	169.00	5724	260.00	1519	369.00	225

Report Date: 28-Feb-2013 08:54:57 Chrom Revision: 2.0 01-Feb-2013 10:03:10
Data File: \\Bufchrom\ChromData\HP5973X\20121221-17772.b\X3221.D\X-8270LL.rslt\spectra.d
Injection Date: 21-Dec-2012 09:57:30
Spectrum: Tune Spec: Scans 772-774(7.20-7.21) Bgrd 768(7.18)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 348

m/z	Y	m/z	Y	m/z	Y	m/z	Y
77.00	480256	170.00	3455	261.00	909	370.00	1189
78.00	31152	171.00	605	262.00	391	371.00	1428
79.00	41912	172.00	6810	263.00	987	372.00	15406
80.00	32280	173.00	7935	265.00	11413	373.00	3940
81.00	39376	174.00	12948	266.00	262	374.00	212
82.00	9405	175.00	22592	268.00	790	375.00	169
83.00	7532	176.00	6319	269.00	605	377.00	252
84.00	2174	177.00	11145	270.00	937	381.00	191
85.00	7693	178.00	5668	271.00	2317	383.00	3442
86.00	10474	179.00	46104	272.00	2166	384.00	1544
87.00	5253	180.00	30232	273.00	20832	385.00	195
88.00	1752	181.00	15482	274.00	51288	386.00	386
91.00	11328	182.00	1216	275.00	263808	387.00	251
92.00	10506	183.00	1675	276.00	28968	389.00	353
93.00	72576	184.00	6600	277.00	24384	390.00	1988
94.00	4761	185.00	22496	278.00	4199	391.00	1986
95.00	2488	186.00	154368	279.00	846	392.00	794
96.00	1537	187.00	44520	280.00	607	393.00	490
98.00	56112	188.00	5729	281.00	809	396.00	195
99.00	37584	189.00	12779	282.00	935	397.00	382
100.00	3797	190.00	1989	283.00	3481	401.00	378
101.00	24392	191.00	4155	284.00	2274	402.00	5196
102.00	1332	192.00	12631	285.00	4164	403.00	9937
103.00	6980	193.00	14515	286.00	165	404.00	2294
104.00	14090	194.00	4388	287.00	259	408.00	214
105.00	13615	195.00	2403	288.00	780	410.00	387
107.00	174336	196.00	28536	290.00	1549	412.00	642
108.00	25432	198.00	926208	292.00	410	415.00	222
110.00	268096	199.00	65232	293.00	5043	417.00	204
111.00	42096	200.00	4486	294.00	1364	418.00	679
112.00	5661	201.00	3097	295.00	881	419.00	702
113.00	1690	203.00	7932	296.00	80464	420.00	520
114.00	422	204.00	36216	297.00	11777	421.00	8502
115.00	1698	205.00	66504	298.00	401	422.00	6351

Report Date: 28-Feb-2013 08:54:57 Chrom Revision: 2.0 01-Feb-2013 10:03:10
Data File: \\Bufchrom\ChromData\HP5973X\20121221-17772.b\X3221.D\X-8270LL.rslt\spectra.d
Injection Date: 21-Dec-2012 09:57:30
Spectrum: Tune Spec: Scans 772-774(7.20-7.21) Bgrd 768(7.18)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 348

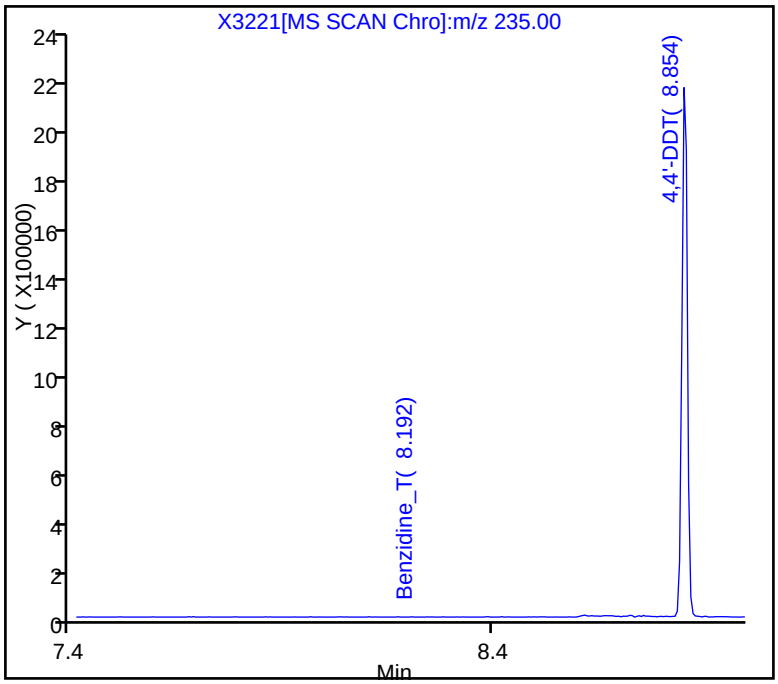
m/z	Y	m/z	Y	m/z	Y	m/z	Y
116.00	11264	206.00	249280	301.00	895	423.00	53408
117.00	161152	207.00	30792	302.00	1176	424.00	8626
118.00	12211	208.00	11439	303.00	8975	425.00	1752
119.00	1703	209.00	4585	304.00	1112	427.00	1460
120.00	628	210.00	6291	305.00	256	428.00	941
121.00	1505	211.00	7724	307.00	562	430.00	323
122.00	13004	212.00	830	308.00	576	431.00	437
123.00	16808	213.00	1358	309.00	872	432.00	189
124.00	7467	214.00	216	310.00	679	434.00	254
125.00	8370	215.00	3189	312.00	499	436.00	430
127.00	524928	216.00	6975	313.00	850	437.00	238
128.00	43736	217.00	71432	314.00	4448	438.00	734
129.00	245888	218.00	8497	315.00	10191	439.00	423
130.00	18368	219.00	257	316.00	3826	441.00	131072
131.00	2050	220.00	1332	317.00	691	442.00	950400
132.00	3447	221.00	29416	318.00	409	443.00	185344
133.00	1515	222.00	4492	320.00	896	444.00	15445
134.00	8218	223.00	16968	321.00	1728	445.00	831
135.00	16432	224.00	133504	322.00	851	464.00	418
136.00	9652	225.00	36536	323.00	24792	478.00	192

Breakdown Report

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121221-17772.b\X3221.D		
Injection Date:	21-Dec-2012 09:57:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	97046	Lims Sample ID:	1
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

53 4,4'-DDT, Detector: MS SCAN



SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

53 4,4'-DDT, Area = 1967665
50 4,4'-DDD, Area = 0
39 4,4'-DDE, Area = 0

%Breakdown: 0.00%, Max Limit: 20.00%
Passed

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo
Job No.: 480-30346-1
SDG No.:
Client Sample ID:
Lab Sample ID: MB 480-96561/1-A
Matrix: Solid
Lab File ID: X3202.D
Analysis Method: 8270D
Date Collected:
Extract. Method: 3546
Date Extracted: 12/19/2012 09:30
Sample wt/vol: 000030.4(g)
Date Analyzed: 12/20/2012 15:17
Con. Extract Vol.: 1(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
Level: (low/med) Low
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 96803
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
117-81-7	Bis(2-ethylhexyl) phthalate	ND		160	66
95-95-4	2,4,5-Trichlorophenol	ND		33	11
62-53-3	Aniline	ND		33	9.9
67-72-1	Hexachloroethane	ND		33	9.9
131-11-3	Dimethyl phthalate	ND		33	9.9
105-67-9	2,4-Dimethylphenol	ND		33	9.9
78-59-1	Isophorone	ND		33	9.9
86-73-7	Fluorene	ND		33	9.9
132-64-9	Dibenzofuran	ND		33	9.9
208-96-8	Acenaphthylene	ND		33	9.9
120-83-2	2,4-Dichlorophenol	ND		33	9.9
191-24-2	Benzo[g,h,i]perylene	ND		33	9.9
118-74-1	Hexachlorobenzene	ND		33	9.9
117-84-0	Di-n-octyl phthalate	ND		33	9.9
87-68-3	Hexachlorobutadiene	ND		33	9.9
85-01-8	Phenanthrene	ND		33	9.9
88-75-5	2-Nitrophenol	ND		33	13
207-08-9	Benzo[k]fluoranthene	ND		33	17
51-28-5	2,4-Dinitrophenol	ND		33	27
120-12-7	Anthracene	ND		33	9.9
91-57-6	2-Methylnaphthalene	ND		33	9.9
84-74-2	Di-n-butyl phthalate	ND		160	49
120-82-1	1,2,4-Trichlorobenzene	ND		33	9.9
129-00-0	Pyrene	ND		33	9.9
121-14-2	2,4-Dinitrotoluene	ND		33	9.9
53-70-3	Dibenz(a,h)anthracene	ND		33	9.9
541-73-1	1,3-Dichlorobenzene	ND		33	9.9
98-95-3	Nitrobenzene	ND		33	9.9
91-20-3	Naphthalene	ND		33	9.9
88-06-2	2,4,6-Trichlorophenol	ND		33	14
87-86-5	Pentachlorophenol	ND		33	9.9
206-44-0	Fluoranthene	ND		33	9.9
91-94-1	3,3'-Dichlorobenzidine	ND		66	12
101-55-3	4-Bromophenyl phenyl ether	ND		33	9.9

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo
Job No.: 480-30346-1
SDG No.:
Client Sample ID:
Lab Sample ID: MB 480-96561/1-A
Matrix: Solid
Lab File ID: X3202.D
Analysis Method: 8270D
Date Collected:
Extract. Method: 3546
Date Extracted: 12/19/2012 09:30
Sample wt/vol: 000030.4(g)
Date Analyzed: 12/20/2012 15:17
Con. Extract Vol.: 1(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
Level: (low/med) Low
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 96803
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
84-66-2	Diethyl phthalate	ND		33	11
95-48-7	2-Methylphenol	ND		33	9.9
95-50-1	1,2-Dichlorobenzene	ND		33	9.9
108-60-1	2,2'-oxybis[1-chloropropane]	ND		33	9.9
98-86-2	Acetophenone	ND		33	9.9
111-44-4	Bis(2-chloroethyl)ether	ND		33	9.9
56-55-3	Benzo[a]anthracene	ND		33	9.9
193-39-5	Indeno[1,2,3-cd]pyrene	ND		33	9.9
85-68-7	Butyl benzyl phthalate	ND		33	9.9
218-01-9	Chrysene	ND		33	9.9
83-32-9	Acenaphthene	ND		33	9.9
205-99-2	Benzo[b]fluoranthene	ND		33	9.9
100-02-7	4-Nitrophenol	ND		160	14
106-47-8	4-Chloroaniline	ND		66	30
95-57-8	2-Chlorophenol	ND		33	9.9
606-20-2	2,6-Dinitrotoluene	ND		33	28
108-95-2	Phenol	ND		33	9.9
15831-10-4	3 & 4 Methylphenol	ND		33	9.9
106-46-7	1,4-Dichlorobenzene	ND		33	9.9
111-91-1	Bis(2-chloroethoxy)methane	ND		33	9.9
91-58-7	2-Chloronaphthalene	ND		33	9.9
621-64-7	N-Nitrosodi-n-propylamine	ND		33	9.9
7005-72-3	4-Chlorophenyl phenyl ether	ND		33	9.9
59-50-7	4-Chloro-3-methylphenol	ND		66	9.9
50-32-8	Benzo[a]pyrene	ND		33	9.9
106-44-5	4-Methylphenol	ND		33	9.9
100-01-6	4-Nitroaniline	ND		160	28
88-74-4	2-Nitroaniline	ND		160	41
105-60-2	Caprolactam	ND		33	9.9
86-74-8	Carbazole	ND		33	9.9
534-52-1	4,6-Dinitro-2-methylphenol	ND		160	32
90-12-0	1-Methylnaphthalene	ND		33	9.9
86-30-6	N-Nitrosodiphenylamine	ND		33	9.9
1912-24-9	Atrazine	ND		33	9.9

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo
Job No.: 480-30346-1
SDG No.:
Client Sample ID:
Lab Sample ID: MB 480-96561/1-A
Matrix: Solid
Lab File ID: X3202.D
Analysis Method: 8270D
Date Collected:
Extract. Method: 3546
Date Extracted: 12/19/2012 09:30
Sample wt/vol: 000030.4(g)
Date Analyzed: 12/20/2012 15:17
Con. Extract Vol.: 1(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
Level: (low/med) Low
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 96803
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
101-84-8	Phenyl ether	ND		33	9.9
100-52-7	Benzaldehyde	ND		33	9.9
103-33-3	Azobenzene	ND		33	9.9
77-47-4	Hexachlorocyclopentadiene	ND		66	9.9
99-09-2	3-Nitroaniline	ND		160	9.9
62-75-9	N-Nitrosodimethylamine	ND		33	9.9
100-51-6	Benzyl alcohol	ND		66	9.9
92-52-4	1,1'-Biphenyl	ND		33	9.9
58-90-2	2,3,4,6-Tetrachlorophenol	ND		33	9.9
119-61-9	Benzophenone	ND		33	9.9
65-85-0	Benzoic acid	ND		160	15
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		33	9.9

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	90		30-130
367-12-4	2-Fluorophenol	81		30-130
4165-60-0	Nitrobenzene-d5	103		30-130
4165-62-2	Phenol-d5	77		30-130
321-60-8	2-Fluorobiphenyl	96		30-130
1718-51-0	p-Terphenyl-d14	92		30-130

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Buffalo
Job No.: 480-30346-1
SDG No.:
Client Sample ID:
Lab Sample ID: MB 480-96561/1-A
Matrix: Solid
Lab File ID: X3202.D
Analysis Method: 8270D
Date Collected:
Extract. Method: 3546
Date Extracted: 12/19/2012 09:30
Sample wt/vol: 000030.4(g)
Date Analyzed: 12/20/2012 15:17
Con. Extract Vol.: 1(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
Level: (low/med) Low
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 96803
Units: ug/Kg
Number TICs Found: 10
TIC Result Total: 6079.1

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	3.85	77.6	T J
	Unknown	4.22	5300	T J
	Unknown	6.97	47.0	T J
54833-48-6	Heptadecane, 2,6,10,15-tetramethyl-	9.18	48.7	T J N
	Unknown	10.98	52.3	T J
31295-56-4	Dodecane, 2,6,11-trimethyl-	12.46	39.9	T J N
	Unknown	14.54	65.7	T J
111-6-8	Hexadecanoic acid, butyl ester	14.61	68.2	T J N
123-95-5	Octadecanoic acid, butyl ester	15.26	82.7	T J N
7683-64-9	Squalene	16.46	297	T J N

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3202.D		
Lims ID:	MB 480-96561/1-A	Client ID:	
Inject. Date:	20-Dec-2012 15:17:30	Dil. Factor:	1.0000
Sample Type:	MB		
Sample ID:	480-0017736-012		
Misc. Info.:			
Operator:	ANM	Instrument ID:	HP5973X
Injection Vol:	1.0 ul	ALS Bottle#:	14
Lims Batch ID:	96803	Lims Sample ID:	12
Detector:	MS SCAN		

Method:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X-8270LL.m		
Last Update:	09-Mar-2013 09:29:35	Calib Date:	18-Dec-2012 14:44:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3139.D		
Limit Group:	MB - 8270RCP_MCP ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm
Process Host:	XAWRK034		

First Level Reviewer: mckernar Date: 20-Dec-2012 16:03:48

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.556	6.570	-0.014	81	175457	5.00	
* 2 Naphthalene-d8	136	8.448	8.439	0.009	96	633704	5.00	
* 3 Acenaphthene-d10	164	11.097	11.064	0.033	90	352883	5.00	
* 4 Phenanthrene-d10	188	13.114	13.080	0.034	95	503443	5.00	M
* 5 Chrysene-d12	240	15.753	15.734	0.019	97	437519	5.00	
* 6 Perylene-d12	264	17.037	17.013	0.024	97	487766	5.00	
$ 7 2-Fluorophenol	112	4.687	4.682	0.005	1	64800	1.63	
$ 8 Phenol-d5	99	6.109	6.090	0.019	86	74732	1.54	M
$ 9 Nitrobenzene-d5	82	7.402	7.393	0.009	75	97817	2.06	M
$ 10 2-Fluorobiphenyl	172	10.113	10.075	0.038	87	170367	1.92	
$ 11 2,4,6-Tribromophenol	330	12.291	12.229	0.062	0	16738	1.81	M
$ 12 p-Terphenyl-d14	244	14.778	14.759	0.019	92	154395	1.83	
15 4-Chloro-3-nitro-alpha,alpha,alp	1		0.000					
13 4-tert-Octylphenol	1		0.000					
14 Alpha-Terpineol	59		0.000					
17 1,2,3-Trimethylbenzene	1		0.000					
18 1,4-Dioxane	88		2.433					
19 N-Nitrosodimethylamine	42		2.766					
20 Pyridine	52		2.837					
21 Benzaldehyde	77		5.938					
23 Aniline	93		6.104					
22 Phenol	94		6.109					9
24 Bis(2-chloroethyl)ether	93		6.204					1
25 2-Chlorophenol	128		6.270					19
26 1,3-Dichlorobenzene	146		6.484					9
27 1,4-Dichlorobenzene	146		6.594					9
30 Pentachlorophenol_T	266		6.782					
29 1,2-Dichlorobenzene	146		6.813					9
28 Benzyl alcohol	108		6.813					
31 2-Methylphenol	108		6.993					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
32 2,2'-oxybis[1-chloropropane]	45		6.998					
33 Acetophenone	105		7.174					
34 N-Nitrosodi-n-propylamine	70		7.183					
36 4-Methylphenol	108		7.231					
37 Hexachloroethane	117		7.298					19
38 Nitrobenzene	77		7.421					
39 4,4'-DDE	246		7.713					
40 Isophorone	82		7.778					
41 2-Nitrophenol	139		7.892					
43 2,4-Dimethylphenol	107		8.001					9
42 o,o',o''-Triethylphosphorothioat	198		8.055					
45 Bis(2-chloroethoxy)methane	93		8.125					
46 Benzidine_T	184		8.160					
44 Benzoic acid	105		8.177					14
47 2,4-Dichlorophenol	162		8.277					9
48 1,2,4-Trichlorobenzene	180		8.363					
49 Naphthalene	128		8.472					9
50 4,4'-DDD	235		8.588					
51 4-Chloroaniline	127		8.596					14
52 Hexachlorobutadiene	225		8.662					
53 4,4'-DDT	235		8.833					
54 Caprolactam	113		9.129					
55 4-Chloro-3-methylphenol	107		9.385					19
56 2-Methylnaphthalene	142		9.509					9
57 1-Methylnaphthalene	142		9.656					
58 Hexachlorocyclopentadiene	237		9.742					
59 1,2,4,5-Tetrachlorobenzene	216		9.761					19
60 2,4,6-Trichlorophenol	196		9.970					
61 2,4,5-Trichlorophenol	196		10.056					19
62 1,1'-Biphenyl	154		10.218					
63 2-Chloronaphthalene	162		10.265					9
64 Phenyl ether	170		10.384					
65 2-Nitroaniline	65		10.436					149
66 1,4-Dinitrobenzene	75		10.665					149
67 Dimethyl phthalate	163		10.722					9
68 2,6-Dinitrotoluene	165		10.807					19
69 Acenaphthylene	152		10.850					9
70 3-Nitroaniline	138		11.069					39
71 Acenaphthene	153		11.112					9
72 2,4-Dinitrophenol	184		11.240					
73 Dibenzofuran	168		11.378					
74 2,4-Dinitrotoluene	165		11.416					19
75 4-Nitrophenol	109		11.454					1
76 2,3,4,6-Tetrachlorophenol	232		11.597					
78 Diethyl phthalate	149		11.777					9
77 Thionazin	97		11.826					
79 Fluorene	166		11.882					9
80 4-Chlorophenyl phenyl ether	204		11.901					
81 4-Nitroaniline	138		11.982					19
82 4,6-Dinitro-2-methylphenol	198		12.010					
84 Diphenylamine	169		12.077					
83 N-Nitrosodiphenylamine	169		12.077					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
16 1,2-Diphenylhydrazine	77		12.120					
85 Azobenzene	77		12.120					
86 Benzophenone	105		12.144					
87 Sulfotepp	322		12.297					9
88 Phorate	75		12.454					
89 4-Bromophenyl phenyl ether	248		12.548					
91 Hexachlorobenzene	284		12.610					
90 Dimethoate	87		12.668					9
92 Simazine	201		12.762					
93 Atrazine	200		12.800					9
95 Pentachloronitrobenzene	237		12.881					19
94 Pentachlorophenol	266		12.885					
97 Phenanthrene	178		13.109					9
96 Disulfoton	88		13.120					
98 Anthracene	178		13.171					
99 Carbazole	167		13.380					24
101 Alachlor	160		13.527					9
100 Methyl parathion	109		13.543					
102 Di-n-butyl phthalate	149		13.765					
103 Ethyl Parathion	97		14.003					9
104 Fluoranthene	202		14.388					
105 Benzidine	184		14.555					
106 Pyrene	202		14.607					9
107 Famphur	218		15.168					
108 Butyl benzyl phthalate	149		15.211					
109 3,3'-Dichlorobenzidine	252		15.705					
110 Bis(2-ethylhexyl) phthalate	149		15.710					
111 Benzo[a]anthracene	228		15.720					
112 Chrysene	228		15.753					
113 Di-n-octyl phthalate	149		16.248					9
114 Benzo[b]fluoranthene	252		16.657					
115 Benzo[k]fluoranthene	252		16.680					
116 Benzo[a]pyrene	252		16.961					9
118 Dibenz(a,h)anthracene	278		18.107					
117 Indeno[1,2,3-cd]pyrene	276		18.107					
119 Benzo[g,h,i]perylene	276		18.421					9
S 121 3-Methylphenol	1		0.000					
S 120 3 & 4 Methylphenol	108		0.000					

QC Flag Legend

Processing Flags
1 - Missing Peaks
2 - Failed Coelution Test
3 - Failed RT Window Test
4 - Failed Signal Ratio Test
9 - Failed A Reference Spectral Test

Review Flags
M - Manually Integrated

TestAmerica Buffalo
Tentatively Identified Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3202.D		
Lims ID:	MB 480-96561/1-A	Client ID:	
Inject. Date:	20-Dec-2012 15:17:30	Dil. Factor:	1.0000
Sample Type:	MB		
Sample ID:	480-0017736-012		
Misc. Info.:			
Operator:	ANM	Instrument ID:	HP5973X
Injection Vol:	1.0 ul	ALS Bottle#:	14
Lims Batch ID:	96803	Lims Sample ID:	12
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X-8270LL.m		
Last Update:	09-Mar-2013 09:29:35	Calib Date:	18-Dec-2012 14:44:30
Tic RT Window:	1.500 -0.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\Bufchrom\ChromData\Database\NIST98.L		
Min. Match:	85		
Process Host:	XAWRK034		
First Level Reviewer: mckernar		Date:	20-Dec-2012 16:03:48

Tentative Identified Compound Results

RT	Response	Amount ng/uL	Quant Cpnd	Qual	Lib Entry	Flags
		Unknown				
3.845	589218	2.36	1			
		Unknown				
4.216	40216940	161.0	1			
		Unknown				
6.974	356863	1.43	1			
54833-48-6		Heptadecane, 2,6,10,15-tetramethyl-				
9.181	413732	1.48	2	87	17067	
		Unknown				
10.978	456024	1.59	3			
31295-56-4		Dodecane, 2,6,11-trimethyl-				
12.457	335157	1.21	4	87	109635	
		Unknown				
14.540	463318	2.00	5			
111-6-8		Hexadecanoic acid, butyl ester				
14.612	480906	2.07	5	93	15257	
123-95-5		Octadecanoic acid, butyl ester				
15.258	583816	2.52	5	93	111935	
7683-64-9		Squalene				
16.462	2192497	9.02	6	96	114263	

Quantitation Compounds

Compound	RT	Response	Amount ng/uL

Report Date: 09-Mar-2013 09:29:36 Chrom Revision: 2.0 01-Feb-2013 10:03:10
Data File: \\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3202.D

Compound	RT	Response	Amount ng/uL
* 1 1,4-Dichlorobenzene-d4	6.556	1248598	5.00
* 2 Naphthalene-d8	8.448	1397905	5.00
* 3 Acenaphthene-d10	11.097	1434400	5.00
* 4 Phenanthrene-d10	13.114	1382920	5.00
* 5 Chrysene-d12	15.753	1160456	5.00
* 6 Perylene-d12	17.032	1214849	5.00

QC Flag Legend

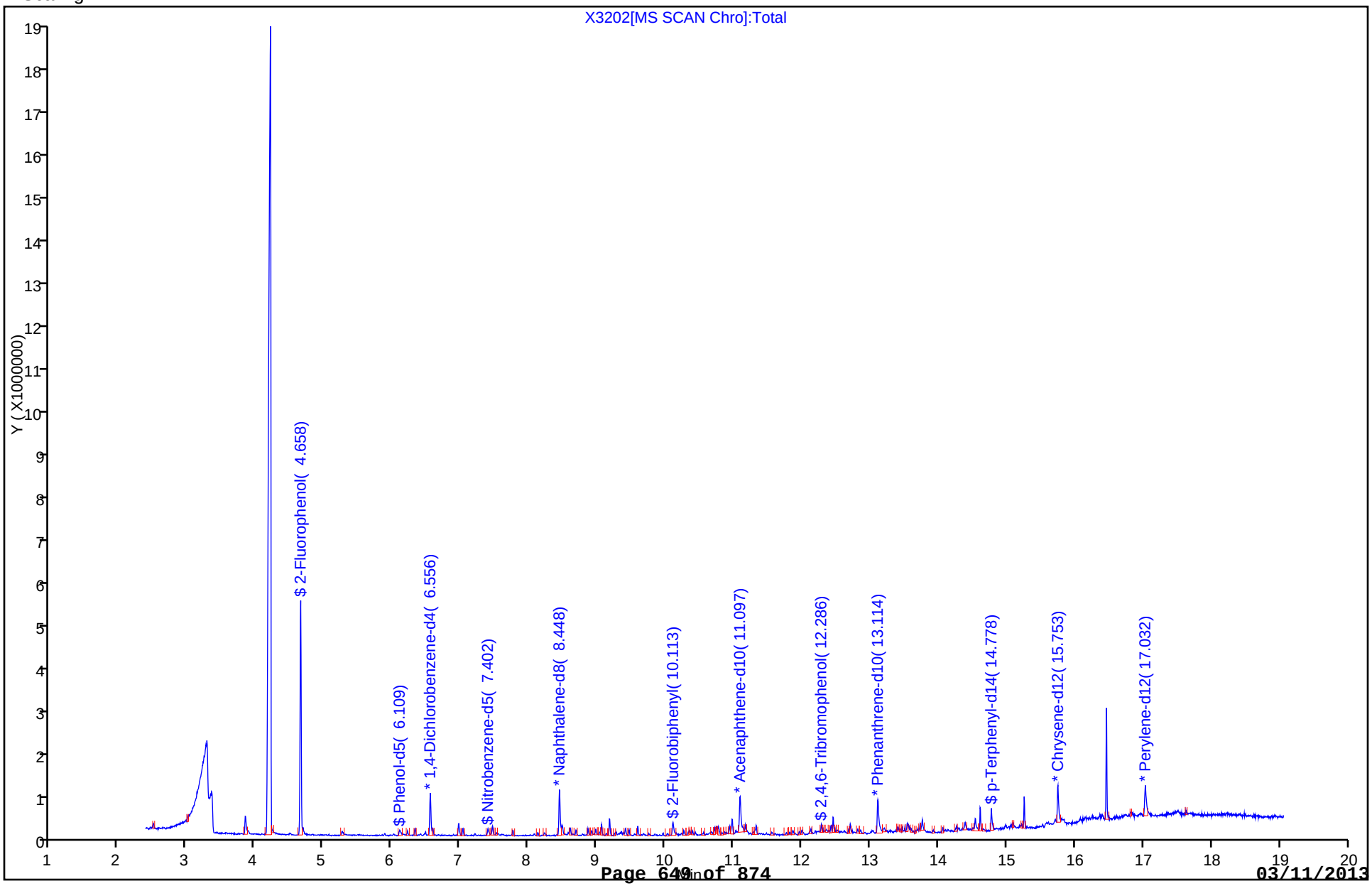
Processing Flags

Report Date: 09-Mar-2013 09:29:36 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3202.D		
Injection Date:	20-Dec-2012 15:17:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	12
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:



Report Date: 09-Mar-2013 09:29:36 Chrom Revision: 2.0 01-Feb-2013 10:03:10

Manual Integration/User Assign Peak Report

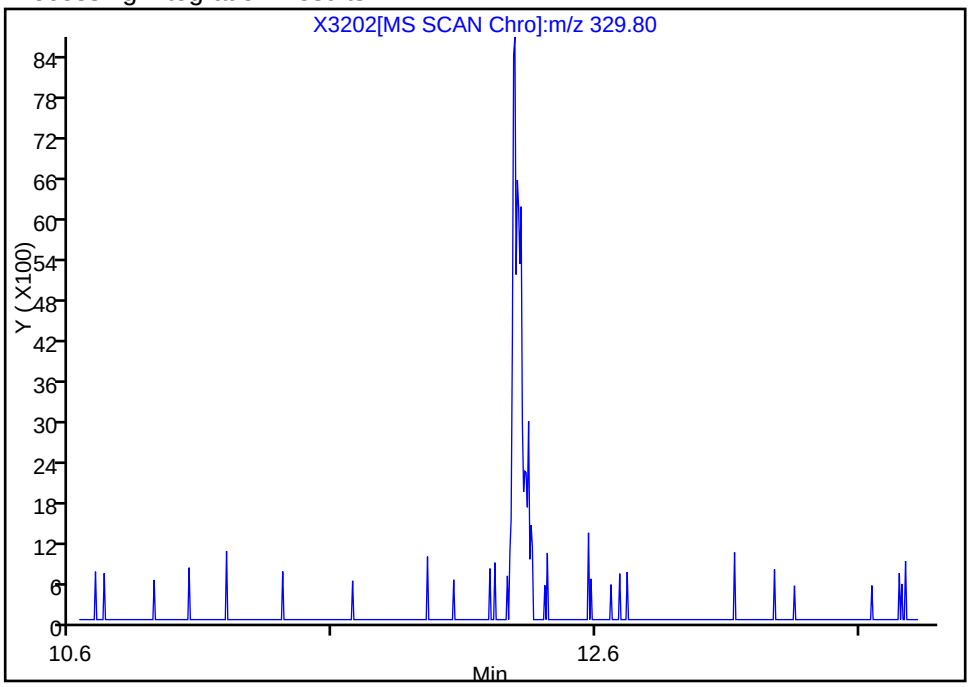
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3202.D		
Injection Date:	20-Dec-2012 15:17:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	12
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

$ 11 2,4,6-Tribromophenol, Signal: 1, m/z: 329.8 Type: quant, RT: 12.23

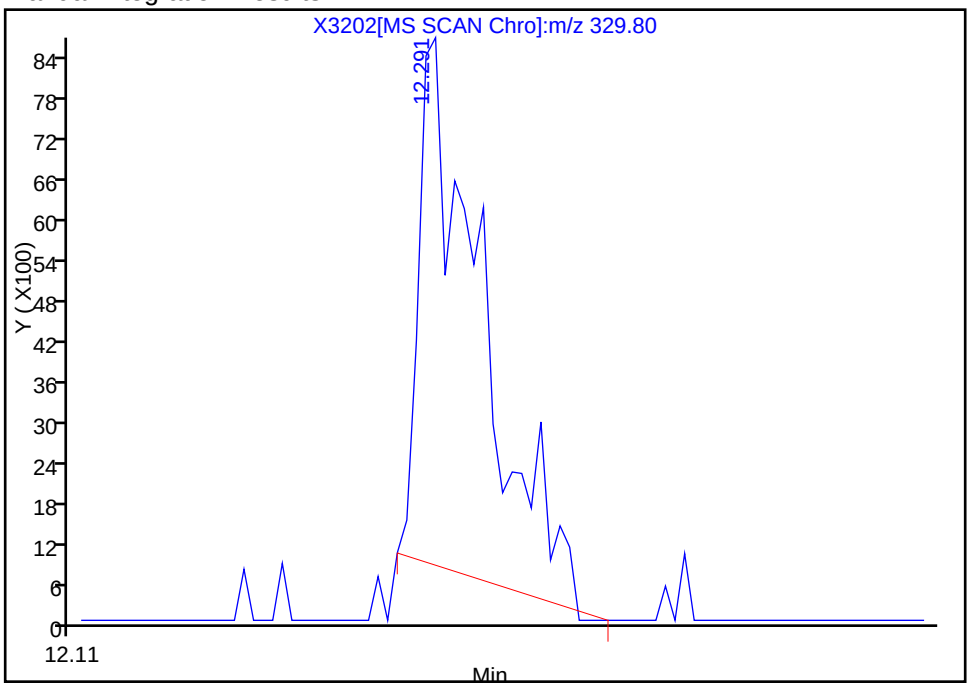
Processing Integration Results

Not Detected
Expected RT: 12.23



Manual Integration Results

RT: 12.29
Response: 16738
Amount: 1.807292



Reviewer: mckernar, 20-Dec-2012 16:03:48
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 09-Mar-2013 09:29:36 Chrom Revision: 2.0 01-Feb-2013 10:03:10

Manual Integration/User Assign Peak Report

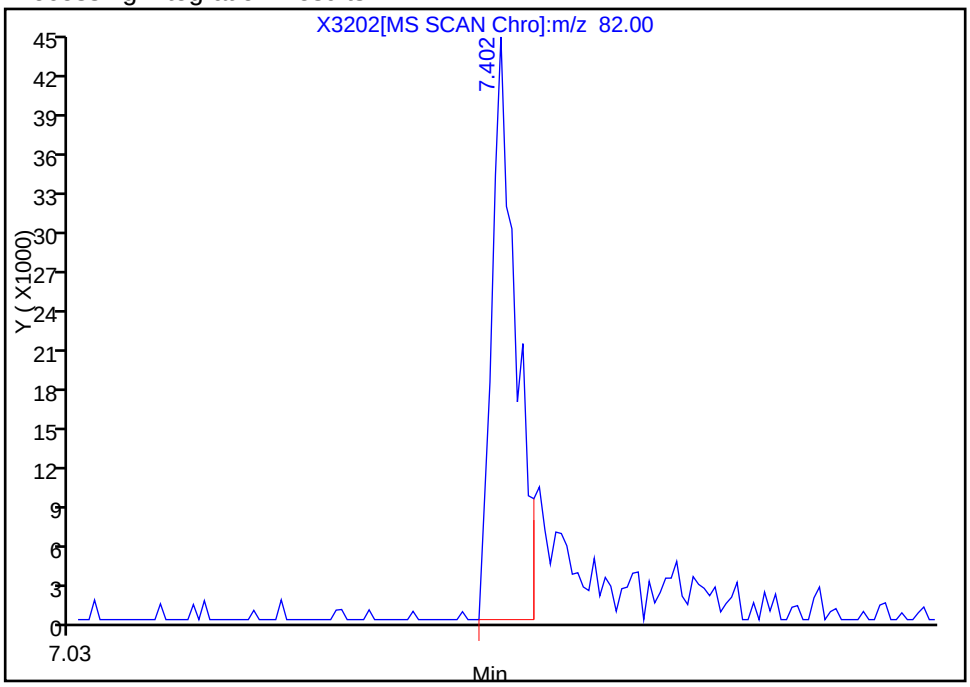
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3202.D		
Injection Date:	20-Dec-2012 15:17:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	12
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

$ 9 Nitrobenzene-d5, Signal: 1, m/z: 82.0 Type: quant, RT: 7.39

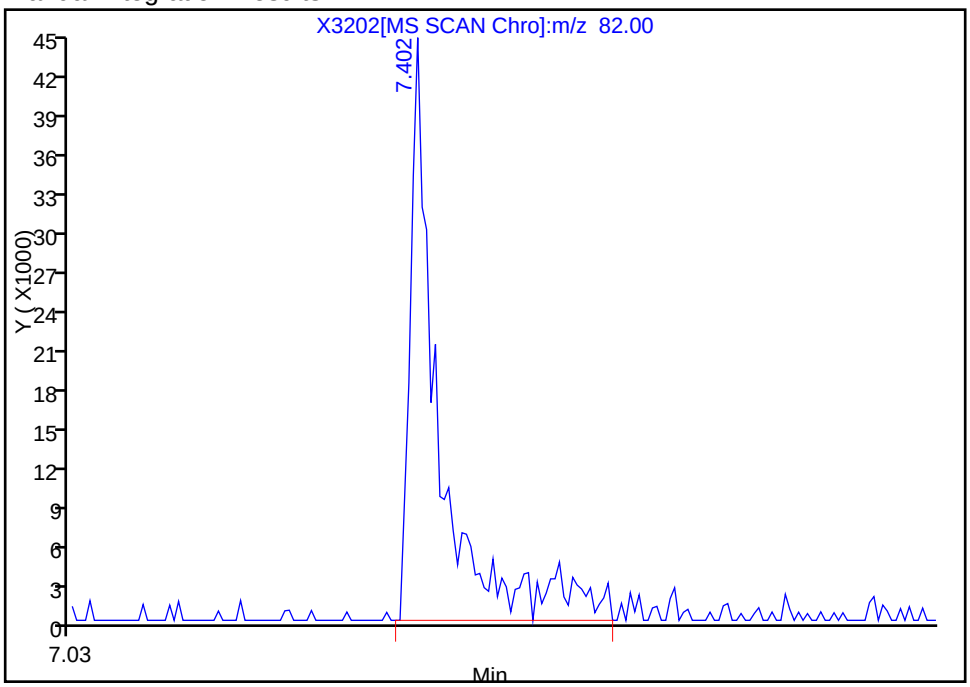
Processing Integration Results

RT: 7.40
Response: 64396
Amount: 1.266023



Manual Integration Results

RT: 7.40
Response: 97817
Amount: 2.058777



Reviewer: mckernar, 20-Dec-2012 16:03:48
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 09-Mar-2013 09:29:36 Chrom Revision: 2.0 01-Feb-2013 10:03:10

Manual Integration/User Assign Peak Report

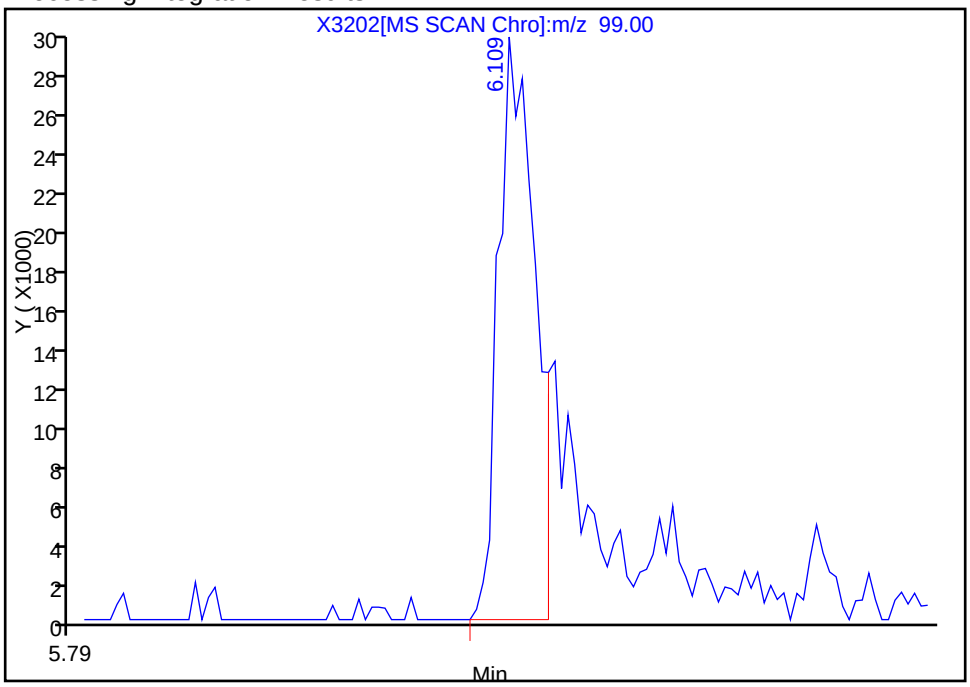
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3202.D		
Injection Date:	20-Dec-2012 15:17:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	12
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

$ 8 Phenol-d5, Signal: 1, m/z: 99.0 Type: quant, RT: 6.09

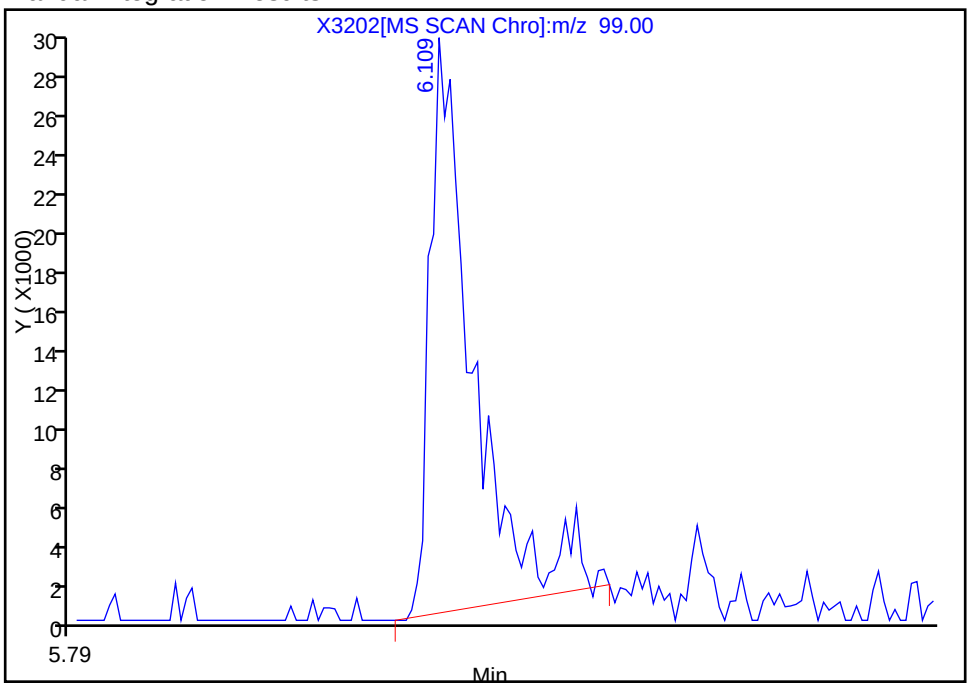
Processing Integration Results

RT: 6.11
Response: 54466
Amount: 1.008922



Manual Integration Results

RT: 6.11
Response: 74732
Amount: 1.542132



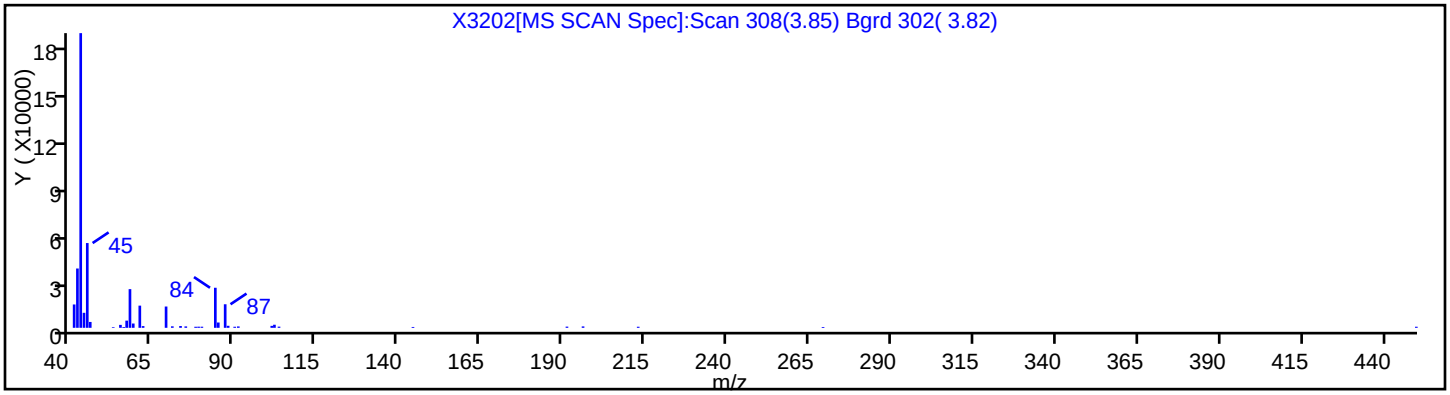
Reviewer: mckernar, 20-Dec-2012 16:03:48
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 09-Mar-2013 09:29:36 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3202.D		
Injection Date:	20-Dec-2012 15:17:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	12
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85

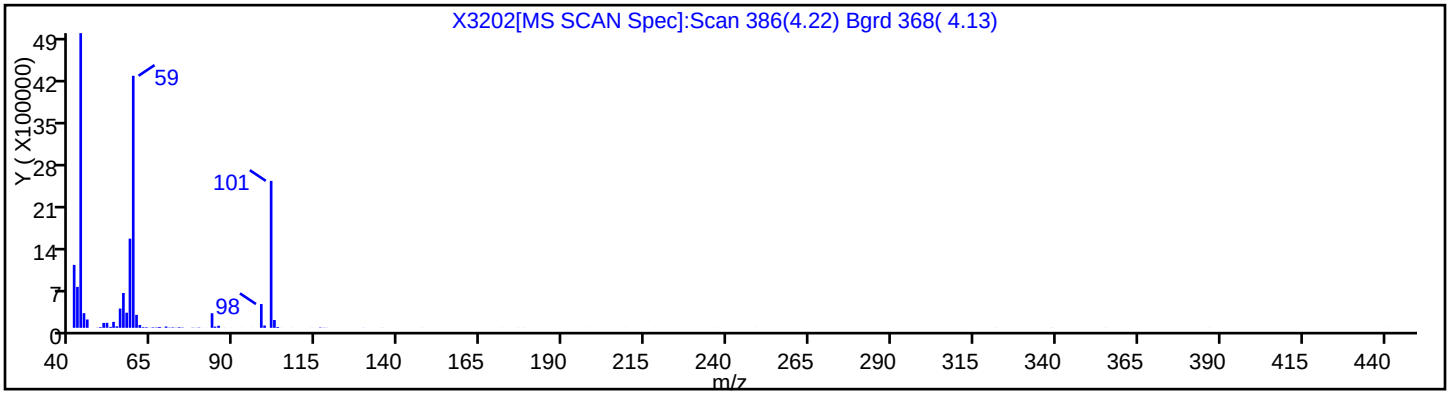


Report Date: 09-Mar-2013 09:29:36 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3202.D		
Injection Date:	20-Dec-2012 15:17:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	12
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85

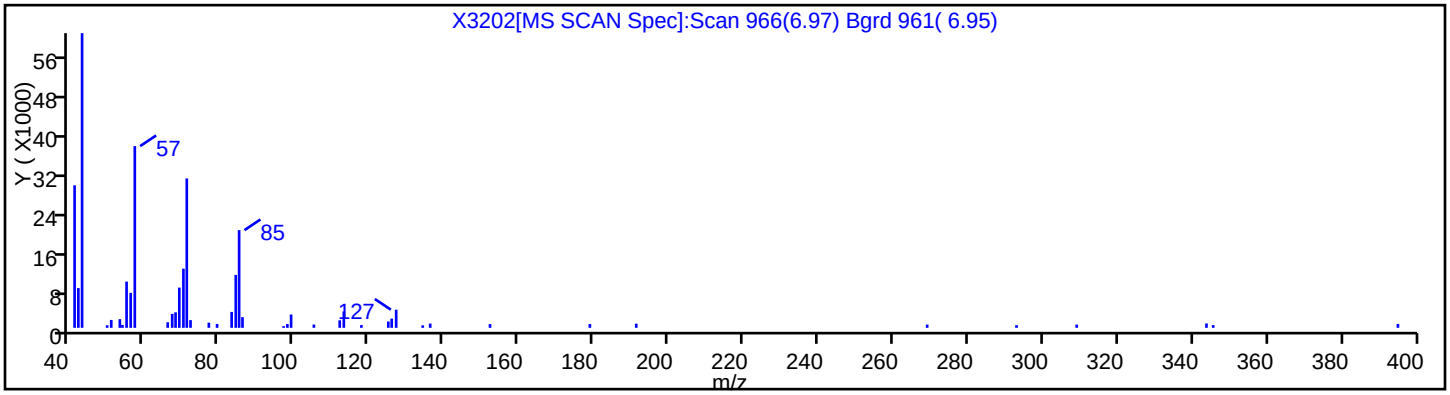


Report Date: 09-Mar-2013 09:29:36 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3202.D		
Injection Date:	20-Dec-2012 15:17:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	12
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85

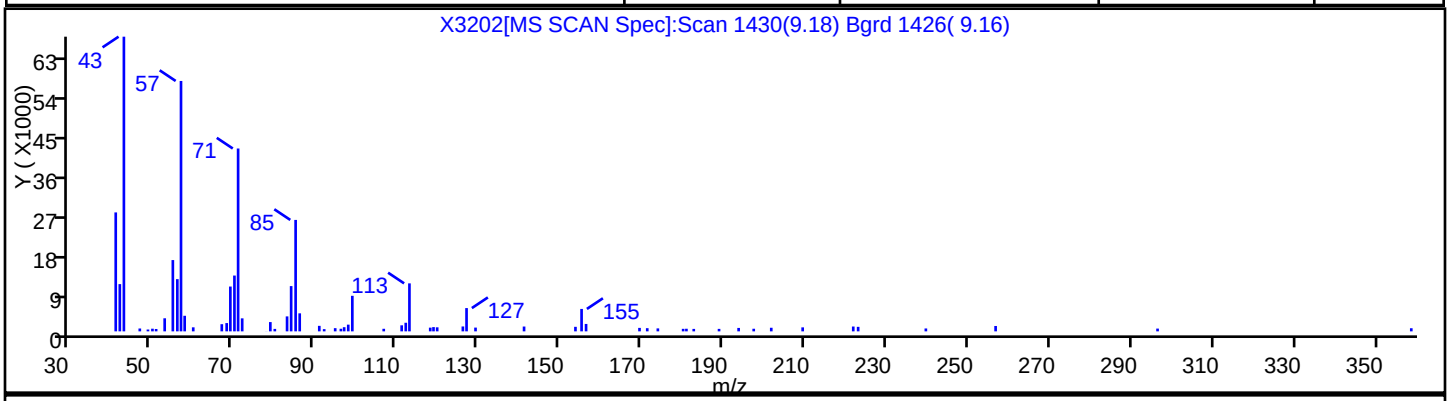


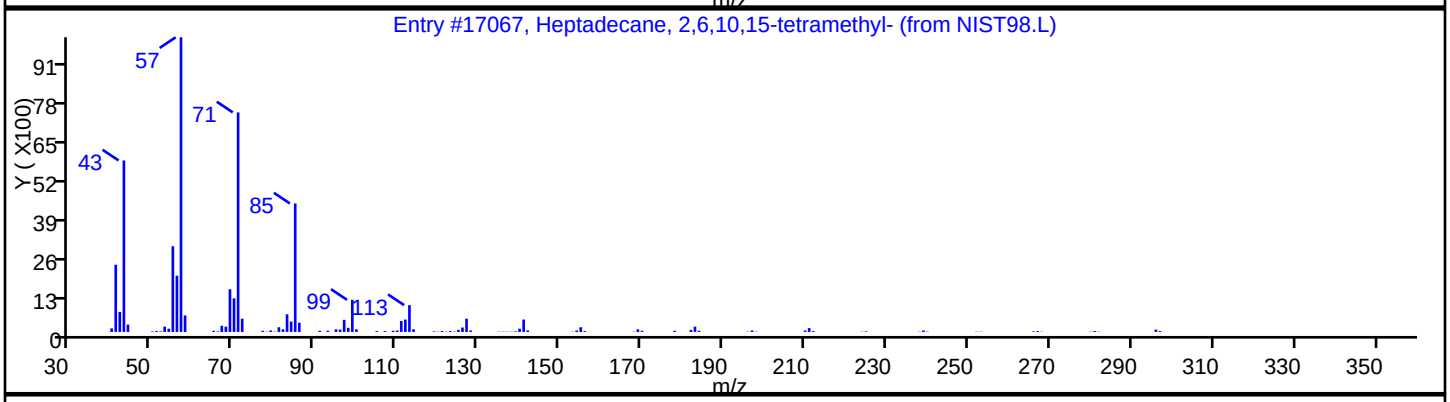
Report Date: 09-Mar-2013 09:29:36 Chrom Revision: 2.0 01-Feb-2013 10:03:10

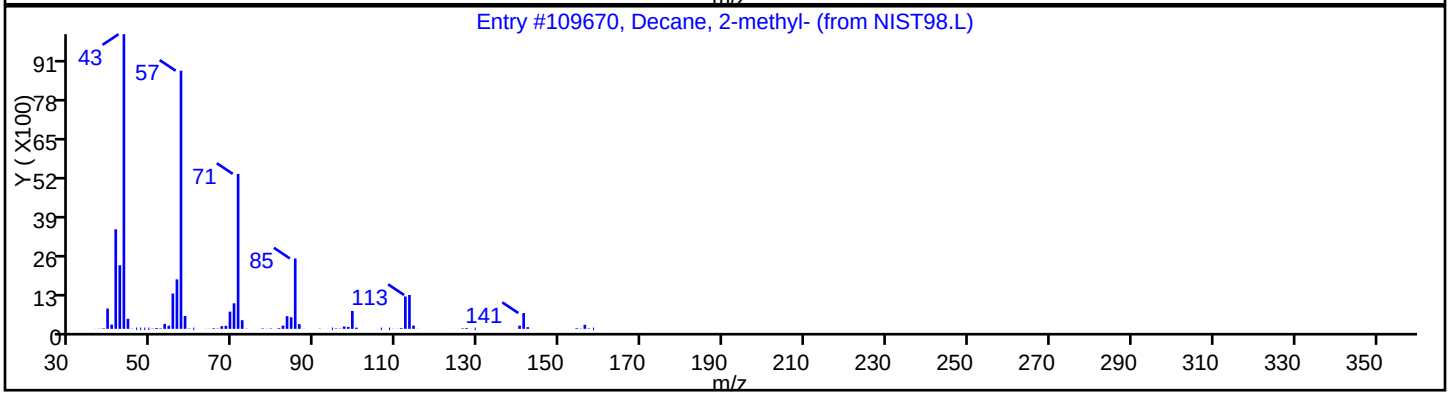
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3202.D		
Injection Date:	20-Dec-2012 15:17:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	12
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Heptadecane, 2,6,10,15-tetramethyl-	54833-48-6	NIST98.L	17067	87
Decane, 2-methyl-	6975-98-0	NIST98.L	109670	86





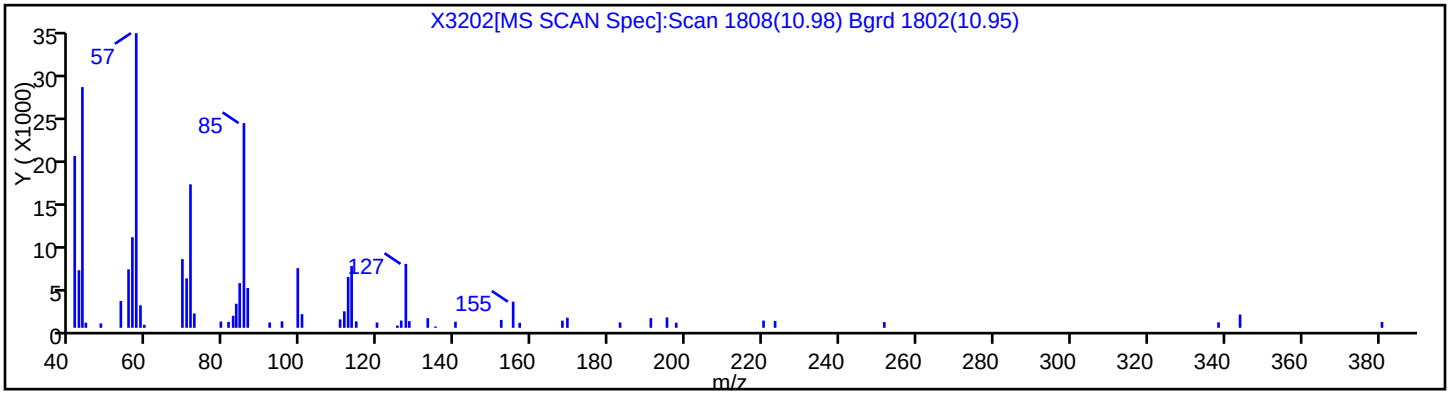


Report Date: 09-Mar-2013 09:29:36 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3202.D		
Injection Date:	20-Dec-2012 15:17:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	12
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85

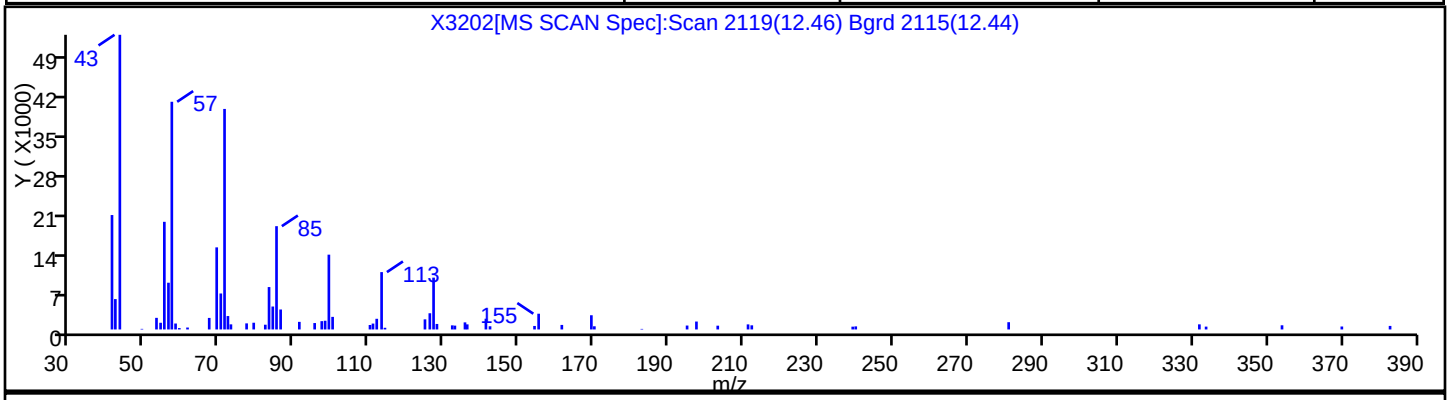


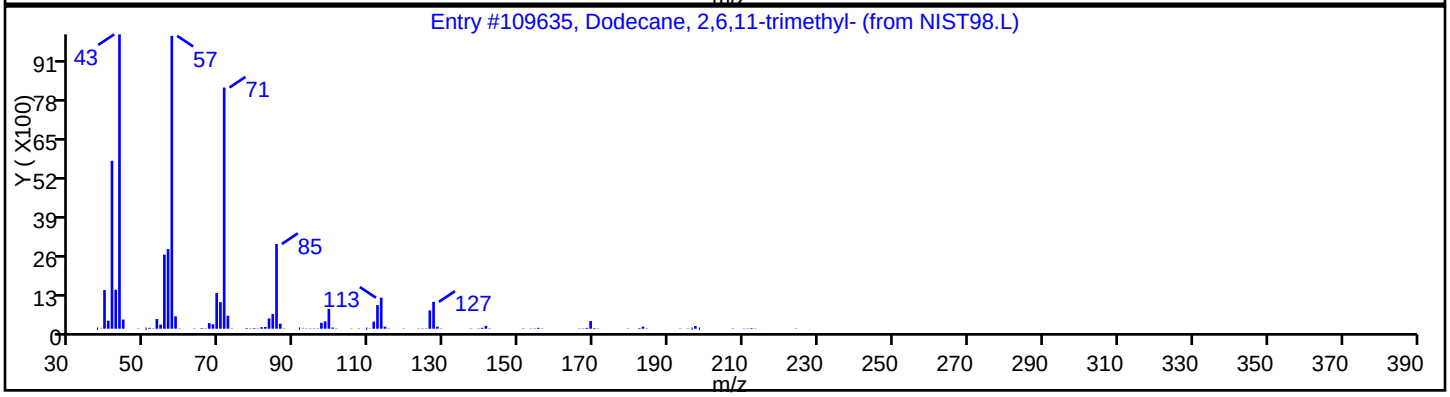
Report Date: 09-Mar-2013 09:29:36 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3202.D		
Injection Date:	20-Dec-2012 15:17:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	12
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Dodecane, 2,6,11-trimethyl-	31295-56-4	NIST98.L	109635	87



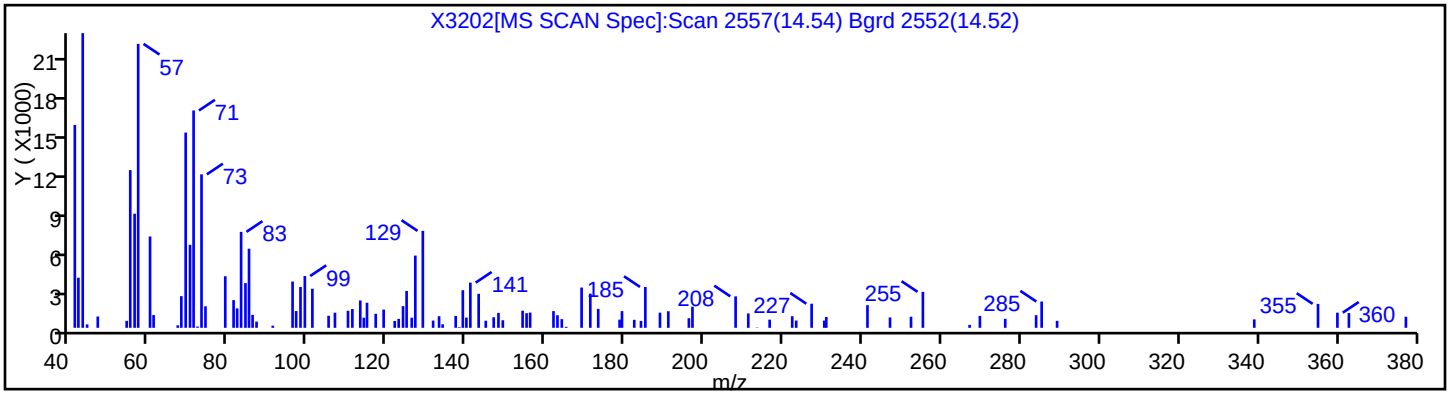


Report Date: 09-Mar-2013 09:29:36 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3202.D		
Injection Date:	20-Dec-2012 15:17:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	12
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85

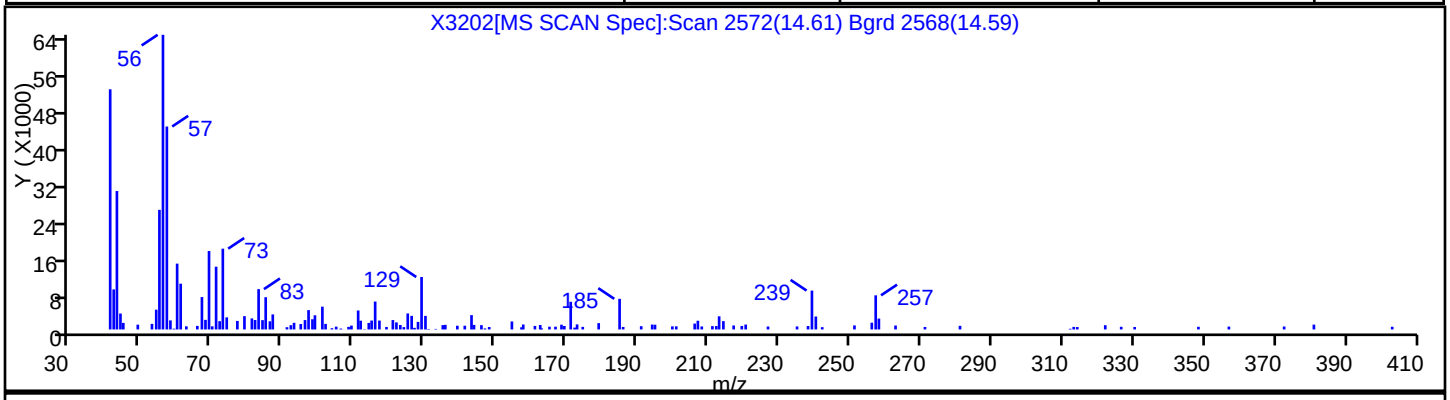


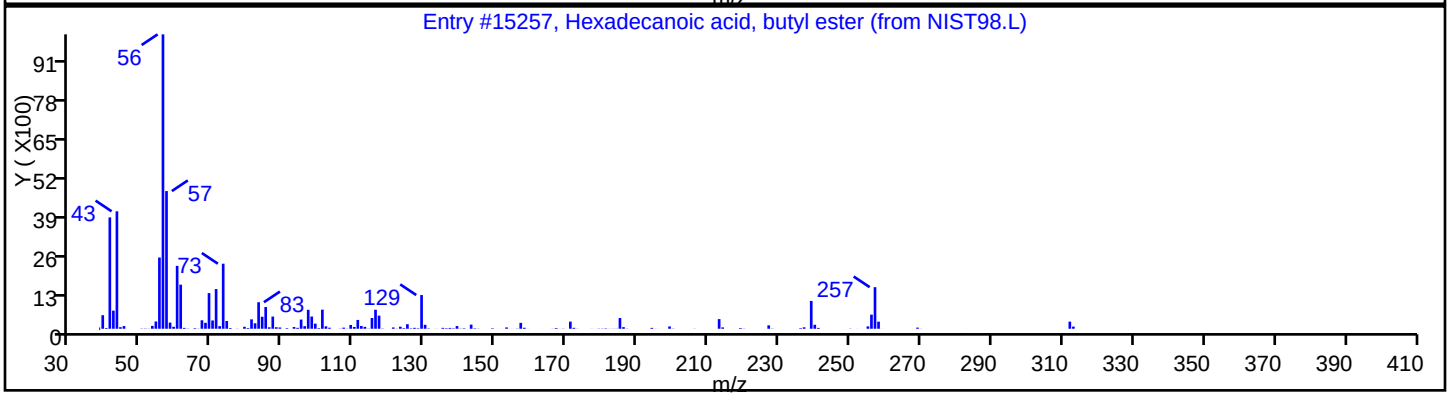
Report Date: 09-Mar-2013 09:29:36 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3202.D		
Injection Date:	20-Dec-2012 15:17:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	12
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Hexadecanoic acid, butyl ester	111-6-8	NIST98.L	15257	93



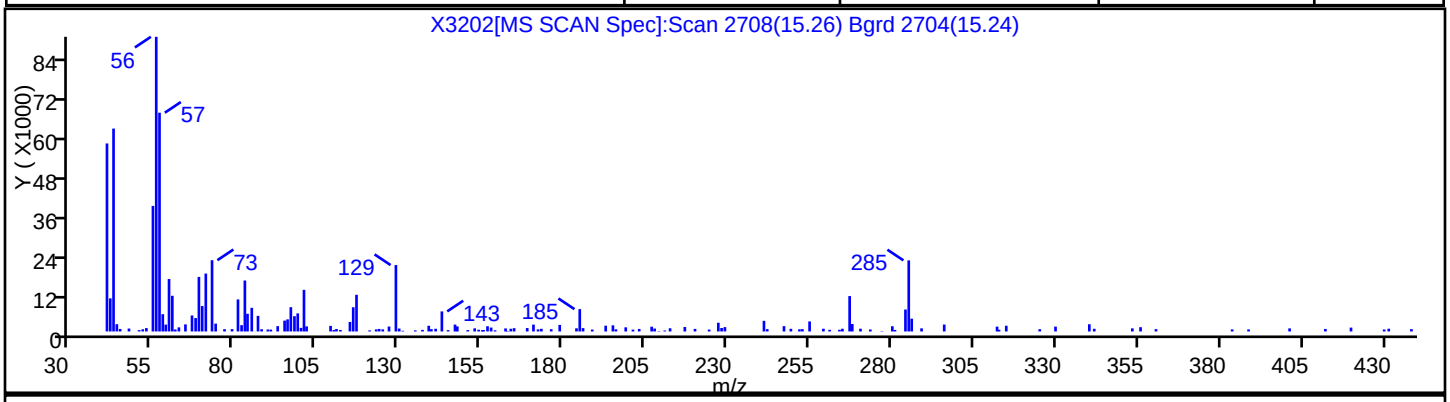


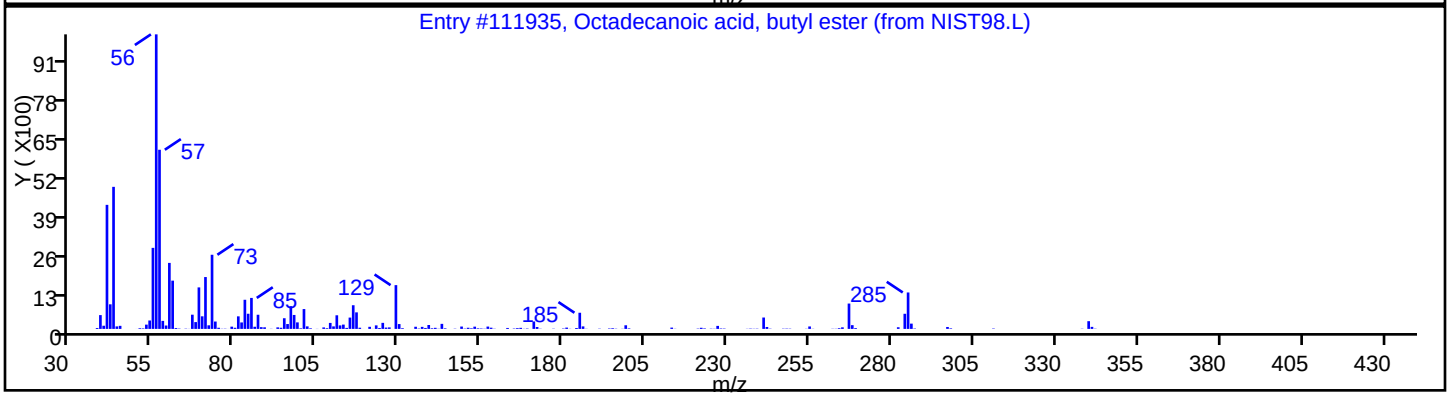
Report Date: 09-Mar-2013 09:29:36 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3202.D		
Injection Date:	20-Dec-2012 15:17:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	12
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Octadecanoic acid, butyl ester	123-95-5	NIST98.L	111935	93



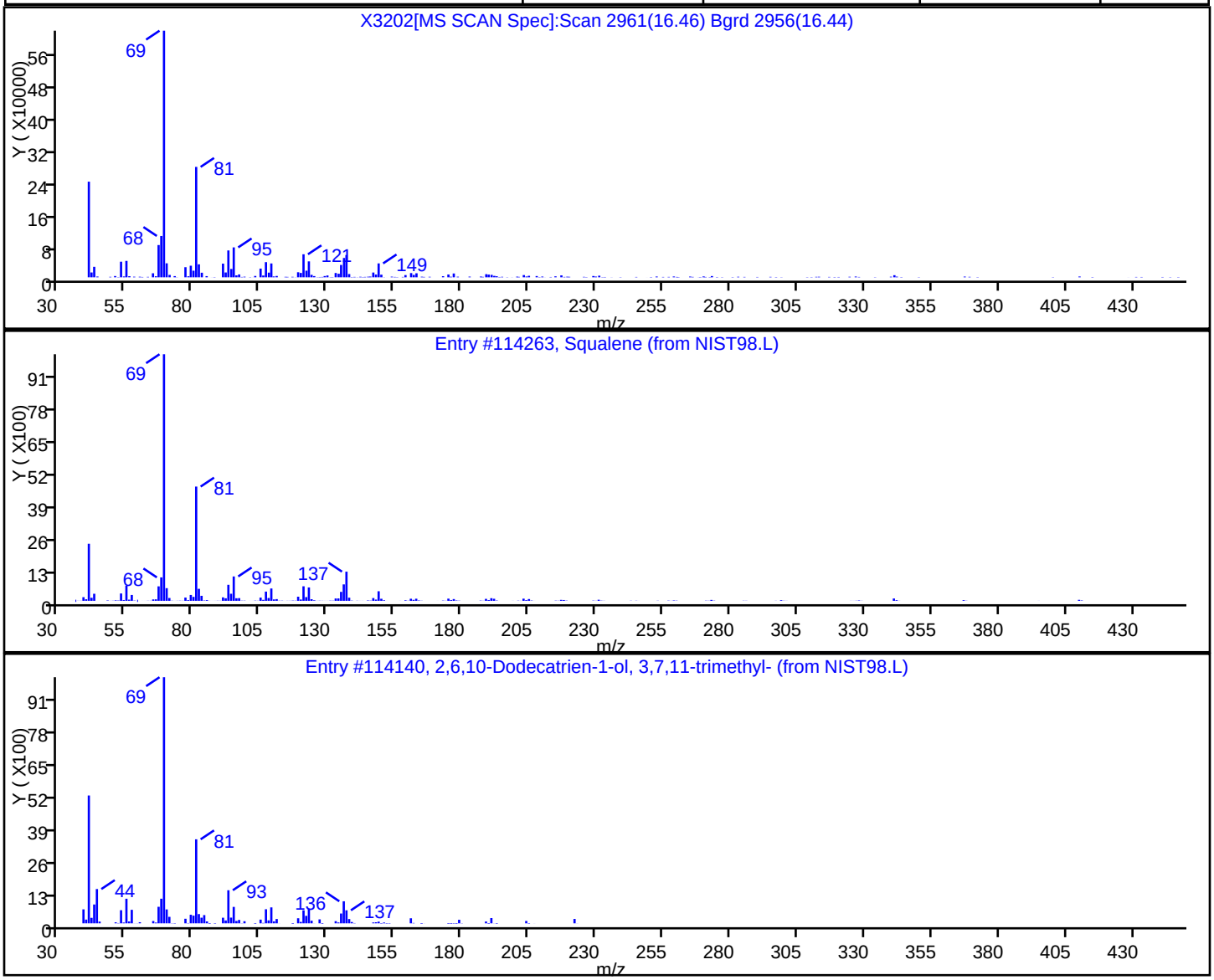


Report Date: 09-Mar-2013 09:29:36 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3202.D		
Injection Date:	20-Dec-2012 15:17:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	12
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Squalene	7683-64-9	NIST98.L	114263	96
2,6,10-Dodecatrien-1-ol, 3,7,11-trimethy	4602-84-0	NIST98.L	114140	86



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo
Job No.: 480-30346-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCS 480-96561/2-A
Matrix: Solid
Lab File ID: X3203.D
Analysis Method: 8270D
Date Collected:
Extract. Method: 3546
Date Extracted: 12/19/2012 09:30
Sample wt/vol: 000030.2(g)
Date Analyzed: 12/20/2012 15:42
Con. Extract Vol.: 1(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
Level: (low/med) Low
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 96803
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
117-81-7	Bis(2-ethylhexyl) phthalate	231		170	67
95-95-4	2,4,5-Trichlorophenol	247		33	11
62-53-3	Aniline	225		33	9.9
67-72-1	Hexachloroethane	210		33	9.9
131-11-3	Dimethyl phthalate	239		33	9.9
105-67-9	2,4-Dimethylphenol	240		33	9.9
78-59-1	Isophorone	226		33	9.9
86-73-7	Fluorene	226		33	9.9
132-64-9	Dibenzofuran	253		33	9.9
208-96-8	Acenaphthylene	246		33	9.9
120-83-2	2,4-Dichlorophenol	228		33	9.9
191-24-2	Benzo[g,h,i]perylene	160		33	9.9
118-74-1	Hexachlorobenzene	257		33	9.9
117-84-0	Di-n-octyl phthalate	285		33	9.9
87-68-3	Hexachlorobutadiene	203		33	9.9
85-01-8	Phenanthrene	253		33	9.9
88-75-5	2-Nitrophenol	233		33	13
207-08-9	Benzo[k]fluoranthene	298		33	17
51-28-5	2,4-Dinitrophenol	251		33	27
120-12-7	Anthracene	254		33	9.9
91-57-6	2-Methylnaphthalene	203		33	9.9
84-74-2	Di-n-butyl phthalate	273		170	50
120-82-1	1,2,4-Trichlorobenzene	210		33	9.9
129-00-0	Pyrene	220		33	9.9
121-14-2	2,4-Dinitrotoluene	236		33	9.9
53-70-3	Dibenz(a,h)anthracene	168		33	9.9
541-73-1	1,3-Dichlorobenzene	195		33	9.9
98-95-3	Nitrobenzene	233		33	9.9
91-20-3	Naphthalene	212		33	9.9
88-06-2	2,4,6-Trichlorophenol	255		33	14
87-86-5	Pentachlorophenol	233		33	9.9
206-44-0	Fluoranthene	209		33	9.9
91-94-1	3,3'-Dichlorobenzidine	225		66	12
101-55-3	4-Bromophenyl phenyl ether	266		33	9.9

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30346-1
SDG No.:
Client Sample ID: | Lab Sample ID: LCS 480-96561/2-A
Matrix: Solid | Lab File ID: X3203.D
Analysis Method: 8270D | Date Collected:
Extract. Method: 3546 | Date Extracted: 12/19/2012 09:30
Sample wt/vol: 000030.2(g) | Date Analyzed: 12/20/2012 15:42
Con. Extract Vol.: 1(mL) | Dilution Factor: 1
Injection Volume: 1(uL) | Level: (low/med) Low
% Moisture: | GPC Cleanup:(Y/N) N
Analysis Batch No.: 96803 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
84-66-2	Diethyl phthalate	240		33	11
95-48-7	2-Methylphenol	261		33	9.9
95-50-1	1,2-Dichlorobenzene	204		33	9.9
108-60-1	2,2'-oxybis[1-chloropropane]	194		33	9.9
98-86-2	Acetophenone	502		33	9.9
111-44-4	Bis(2-chloroethyl)ether	219		33	9.9
56-55-3	Benzo[a]anthracene	277		33	9.9
193-39-5	Indeno[1,2,3-cd]pyrene	158		33	9.9
85-68-7	Butyl benzyl phthalate	224		33	9.9
218-01-9	Chrysene	236		33	9.9
83-32-9	Acenaphthene	215		33	9.9
205-99-2	Benzo[b]fluoranthene	248		33	9.9
100-02-7	4-Nitrophenol	240		170	14
106-47-8	4-Chloroaniline	190		66	30
95-57-8	2-Chlorophenol	236		33	9.9
606-20-2	2,6-Dinitrotoluene	123		33	28
108-95-2	Phenol	234		33	9.9
106-46-7	1,4-Dichlorobenzene	208		33	9.9
111-91-1	Bis(2-chloroethoxy)methane	235		33	9.9
91-58-7	2-Chloronaphthalene	219		33	9.9
621-64-7	N-Nitrosodi-n-propylamine	239		33	9.9
7005-72-3	4-Chlorophenyl phenyl ether	238		33	9.9
59-50-7	4-Chloro-3-methylphenol	241		66	9.9
50-32-8	Benzo[a]pyrene	235		33	9.9
106-44-5	4-Methylphenol	527		33	9.9
100-01-6	4-Nitroaniline	171		170	28
88-74-4	2-Nitroaniline	254		170	42
105-60-2	Caprolactam	232		33	9.9
86-74-8	Carbazole	219		33	9.9
534-52-1	4,6-Dinitro-2-methylphenol	189		170	32
90-12-0	1-Methylnaphthalene	503		33	9.9
86-30-6	N-Nitrosodiphenylamine	144		33	9.9
1912-24-9	Atrazine	218		33	9.9
101-84-8	Phenyl ether	326		33	9.9

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo
Job No.: 480-30346-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCS 480-96561/2-A
Matrix: Solid
Lab File ID: X3203.D
Analysis Method: 8270D
Date Collected:
Extract. Method: 3546
Date Extracted: 12/19/2012 09:30
Sample wt/vol: 000030.2(g)
Date Analyzed: 12/20/2012 15:42
Con. Extract Vol.: 1(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
Level: (low/med) Low
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 96803
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-52-7	Benzaldehyde	238		33	9.9
103-33-3	Azobenzene	710		33	9.9
77-47-4	Hexachlorocyclopentadiene	192		66	9.9
99-09-2	3-Nitroaniline	175		170	9.9
62-75-9	N-Nitrosodimethylamine	189		33	9.9
100-51-6	Benzyl alcohol	176		66	9.9
92-52-4	1,1'-Biphenyl	273		33	9.9
58-90-2	2,3,4,6-Tetrachlorophenol	493		33	9.9
119-61-9	Benzophenone	294		33	9.9
65-85-0	Benzoic acid	337		170	15
95-94-3	1,2,4,5-Tetrachlorobenzene	561		33	9.9

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	84		30-130
367-12-4	2-Fluorophenol	77		30-130
4165-60-0	Nitrobenzene-d5	86		30-130
4165-62-2	Phenol-d5	86		30-130
321-60-8	2-Fluorobiphenyl	97		30-130
1718-51-0	p-Terphenyl-d14	91		30-130

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3203.D
Lims ID: LCS 480-96561/2-A Client ID:
Inject. Date: 20-Dec-2012 15:42:30 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: 480-0017736-013
Misc. Info.:
Operator: ANM Instrument ID: HP5973X
Injection Vol: 1.0 ul ALS Bottle#: 15
Lims Batch ID: 96803 Lims Sample ID: 13
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973X\20121220-17736.b\X-8270LL.m
Last Update: 09-Mar-2013 09:29:35 Calib Date: 18-Dec-2012 14:44:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3139.D
Limit Group: MB - 8270RCP_MCP ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: RXI-5Sil MS Column Dia: 0.25 mm
Process Host: XAWRK034

First Level Reviewer: mckernar Date: 20-Dec-2012 16:25:25

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.551	6.570	-0.019	83	208342	5.00	
* 2 Naphthalene-d8	136	8.448	8.439	0.009	96	783539	5.00	
* 3 Acenaphthene-d10	164	11.092	11.064	0.028	81	465037	5.00	
* 4 Phenanthrene-d10	188	13.109	13.080	0.029	96	656111	5.00	
* 5 Chrysene-d12	240	15.748	15.734	0.014	94	505522	5.00	
* 6 Perylene-d12	264	17.027	17.013	0.014	96	573004	5.00	
$ 7 2-Fluorophenol	112	4.677	4.682	-0.005	1	72910	1.54	
$ 8 Phenol-d5	99	6.080	6.090	-0.010	53	98525	1.71	
$ 9 Nitrobenzene-d5	82	7.383	7.393	-0.010	82	101577	1.73	
$ 10 2-Fluorobiphenyl	172	10.103	10.075	0.028	94	226772	1.94	
$ 11 2,4,6-Tribromophenol	330	12.262	12.229	0.033	51	20190	1.67	
$ 12 p-Terphenyl-d14	244	14.783	14.759	0.024	93	176596	1.81	
19 N-Nitrosodimethylamine	42	2.794	2.766	0.028	72	217127	5.70	
20 Pyridine	52	2.865	2.837	0.028	73	178879	4.63	
21 Benzaldehyde	77	5.918	5.938	-0.020	89	293463	7.19	
23 Aniline	93	6.085	6.104	-0.019	97	517791	6.79	
22 Phenol	94	6.099	6.109	-0.010	47	447892	7.06	M
24 Bis(2-chloroethyl)ether	93	6.180	6.204	-0.024	98	330320	6.61	
25 2-Chlorophenol	128	6.251	6.270	-0.019	97	384922	7.13	
26 1,3-Dichlorobenzene	146	6.461	6.484	-0.024	97	394452	5.89	
27 1,4-Dichlorobenzene	146	6.575	6.594	-0.019	69	419608	6.28	
29 1,2-Dichlorobenzene	146	6.793	6.813	-0.020	83	384587	6.17	
28 Benzyl alcohol	108	6.798	6.813	-0.015	58	95451	5.31	M
31 2-Methylphenol	108	6.979	6.993	-0.014	75	356316	7.87	
32 2,2'-oxybis[1-chloropropane]	45	6.974	6.998	-0.024	73	476007	5.86	
33 Acetophenone	105	7.164	7.174	-0.010	98	1171425	15.2	
34 N-Nitrosodi-n-propylamine	70	7.174	7.183	-0.009	83	280266	7.22	
36 4-Methylphenol	108	7.221	7.231	-0.010	79	729826	15.9	
37 Hexachloroethane	117	7.288	7.298	-0.010	95	168593	6.34	
38 Nitrobenzene	77	7.412	7.421	-0.009	83	428476	7.03	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
40 Isophorone	82	7.778	7.778	0.0	74	685472	6.83	
41 2-Nitrophenol	139	7.892	7.892	0.0	86	195301	7.04	
43 2,4-Dimethylphenol	107	8.006	8.001	0.005	86	380088	7.26	M
42 o,o',o''-Triethylphosphorothioat	198	8.087	8.055	0.032	89	213175	0	
45 Bis(2-chloroethoxy)methane	93	8.125	8.125	0.0	98	421500	7.10	
44 Benzoic acid	105	8.192	8.177	0.015	1	288225	10.2	M
47 2,4-Dichlorophenol	162	8.287	8.277	0.010	82	292701	6.87	
48 1,2,4-Trichlorobenzene	180	8.372	8.363	0.009	98	331702	6.33	
49 Naphthalene	128	8.477	8.472	0.005	93	1113316	6.41	
51 4-Chloroaniline	127	8.610	8.596	0.014	96	360757	5.74	
52 Hexachlorobutadiene	225	8.672	8.662	0.010	81	175269	6.13	
54 Caprolactam	113	9.152	9.129	0.023	84	108399	6.99	
55 4-Chloro-3-methylphenol	107	9.414	9.385	0.029	72	343127	7.29	
56 2-Methylnaphthalene	142	9.533	9.509	0.024	77	745588	6.13	
57 1-Methylnaphthalene	142	9.675	9.656	0.019	88	1703488	15.2	
58 Hexachlorocyclopentadiene	237	9.766	9.742	0.024	66	95162	5.79	
59 1,2,4,5-Tetrachlorobenzene	216	9.789	9.761	0.028	91	739552	17.0	
60 2,4,6-Trichlorophenol	196	9.999	9.970	0.029	94	206559	7.69	
61 2,4,5-Trichlorophenol	196	10.099	10.056	0.043	90	193506	7.45	
62 1,1'-Biphenyl	154	10.246	10.218	0.028	98	1110318	8.26	
63 2-Chloronaphthalene	162	10.265	10.265	0.0	94	699139	6.63	
64 Phenyl ether	170	10.412	10.384	0.028	90	719465	9.84	
65 2-Nitroaniline	65	10.469	10.436	0.033	80	236016	7.66	
66 1,4-Dinitrobenzene	75	10.698	10.665	0.033	82	144294	0	
67 Dimethyl phthalate	163	10.750	10.722	0.028	94	868780	7.22	
68 2,6-Dinitrotoluene	165	10.836	10.807	0.029	85	202889	3.72	
69 Acenaphthylene	152	10.883	10.850	0.033	88	1208682	7.43	
70 3-Nitroaniline	138	11.111	11.069	0.042	75	142866	5.27	
71 Acenaphthene	153	11.145	11.112	0.033	90	737088	6.51	
72 2,4-Dinitrophenol	184	11.311	11.240	0.071	73	70879	7.60	M
73 Dibenzofuran	168	11.411	11.378	0.033	97	1054293	7.63	
74 2,4-Dinitrotoluene	165	11.454	11.416	0.038	95	247968	7.12	
75 4-Nitrophenol	109	11.563	11.454	0.109	28	168482	7.24	M
76 2,3,4,6-Tetrachlorophenol	232	11.635	11.597	0.038	85	310847	14.9	
78 Diethyl phthalate	149	11.806	11.777	0.029	92	953293	7.23	
79 Fluorene	166	11.915	11.882	0.033	81	862270	6.82	
80 4-Chlorophenyl phenyl ether	204	11.929	11.901	0.028	89	401872	7.18	
81 4-Nitroaniline	138	12.025	11.982	0.043	82	149885	5.18	
82 4,6-Dinitro-2-methylphenol	198	12.053	12.010	0.043	56	100613	5.72	
83 N-Nitrosodiphenylamine	169	12.105	12.077	0.028	97	662001	4.34	
16 1,2-Diphenylhydrazine	77	12.148	12.120	0.028	95	2110096	21.4	E
85 Azobenzene	77	12.148	12.120	0.028	94	2110096	21.4	E
86 Benzophenone	105	12.167	12.144	0.023	92	980971	8.87	
87 Sulfotepp	322	12.343	12.297	0.046	77	163376	0	
88 Phorate	75	12.495	12.454	0.041	87	560766	0	
89 4-Bromophenyl phenyl ether	248	12.576	12.548	0.028	85	197553	8.03	
91 Hexachlorobenzene	284	12.638	12.610	0.028	77	200679	7.75	
90 Dimethoate	87	12.728	12.668	0.060	83	304877	0	
93 Atrazine	200	12.819	12.800	0.019	85	230022	6.58	
94 Pentachlorophenol	266	12.919	12.885	0.034	66	82098	7.02	
97 Phenanthrene	178	13.133	13.109	0.024	90	1116900	7.64	
96 Disulfoton	88	13.133	13.120	0.013	70	499421	0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
98 Anthracene	178	13.194	13.171	0.023	95	1143914	7.68	
99 Carbazole	167	13.404	13.380	0.024	99	913189	6.61	
100 Methyl parathion	109	13.561	13.543	0.018	87	268203	0	
102 Di-n-butyl phthalate	149	13.784	13.765	0.019	96	1320392	8.25	
103 Ethyl Parathion	97	13.970	14.003	-0.033	75	176812	0	
104 Fluoranthene	202	14.412	14.388	0.024	96	913212	6.31	
106 Pyrene	202	14.631	14.607	0.024	98	898125	6.63	
107 Famphur	218	15.182	15.168	0.014	81	367498	0	
108 Butyl benzyl phthalate	149	15.225	15.211	0.014	92	505715	6.75	
109 3,3'-Dichlorobenzidine	252	15.720	15.705	0.015	70	308421	6.79	
110 Bis(2-ethylhexyl) phthalate	149	15.724	15.710	0.014	95	720192	6.98	
111 Benzo[a]anthracene	228	15.739	15.720	0.019	95	911150	8.37	
112 Chrysene	228	15.772	15.753	0.019	91	881003	7.13	
113 Di-n-octyl phthalate	149	16.257	16.248	0.009	97	1401746	8.62	
114 Benzo[b]fluoranthene	252	16.671	16.657	0.014	92	996820	7.49	
115 Benzo[k]fluoranthene	252	16.695	16.680	0.014	98	1231998	8.98	
116 Benzo[a]pyrene	252	16.980	16.961	0.019	71	913698	7.10	
118 Dibenz(a,h)anthracene	278	18.126	18.107	0.019	65	591534	5.08	
117 Indeno[1,2,3-cd]pyrene	276	18.121	18.107	0.014	96	656625	4.78	
119 Benzo[g,h,i]perylene	276	18.435	18.421	0.014	91	552793	4.82	M
S 121 3-Methylphenol	1		0.000					

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount

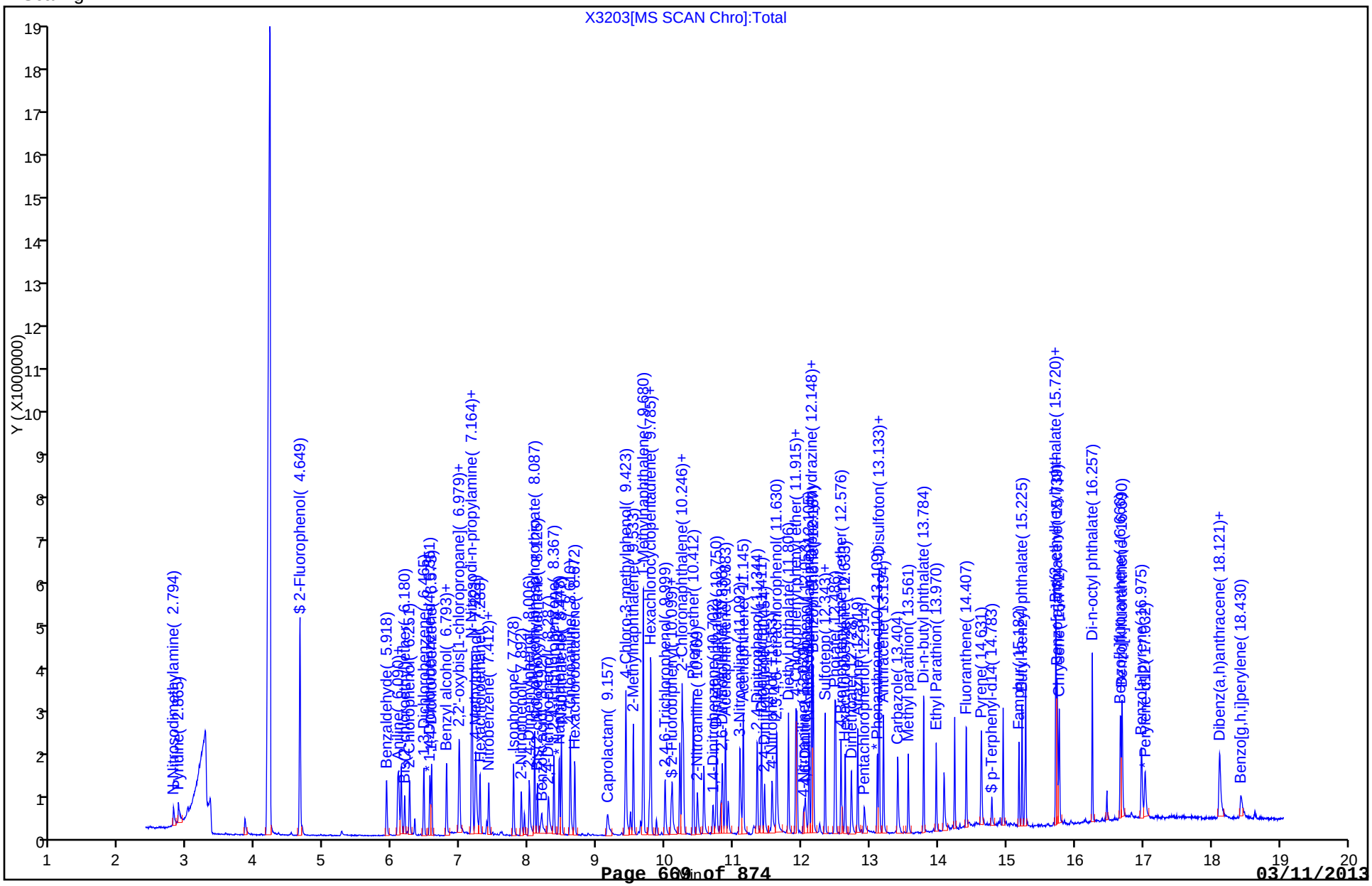
Review Flags
M - Manually Integrated

Report Date: 09-Mar-2013 09:29:37 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3203.D		
Injection Date:	20-Dec-2012 15:42:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	13
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:



Manual Integration/User Assign Peak Report

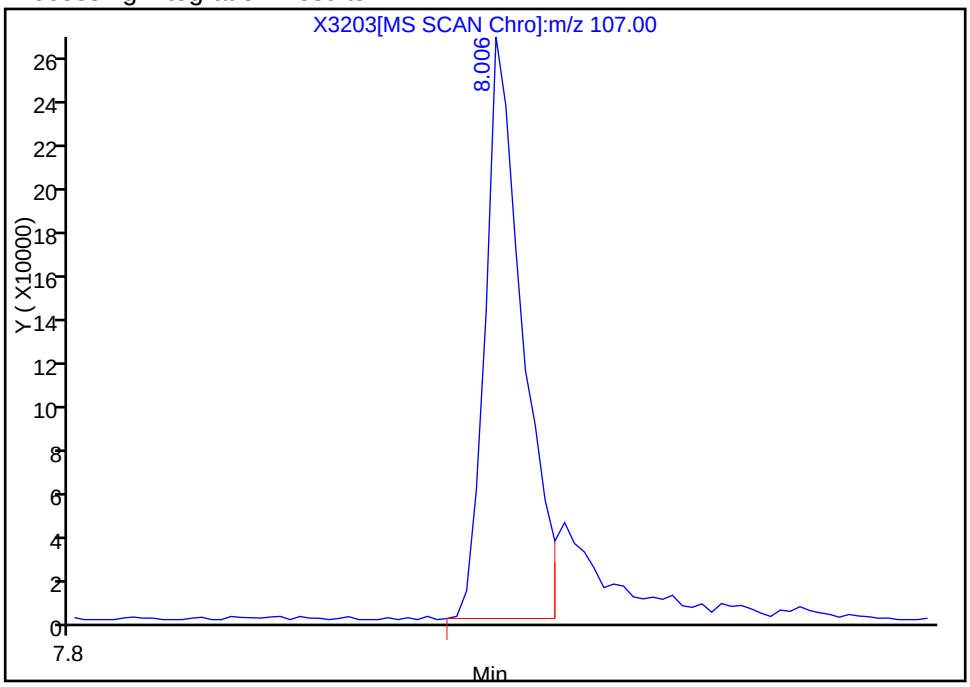
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3203.D		
Injection Date:	20-Dec-2012 15:42:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	13
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

43 2,4-Dimethylphenol, Signal: 1, m/z: 107.0 Type: quant, RT: 8.00

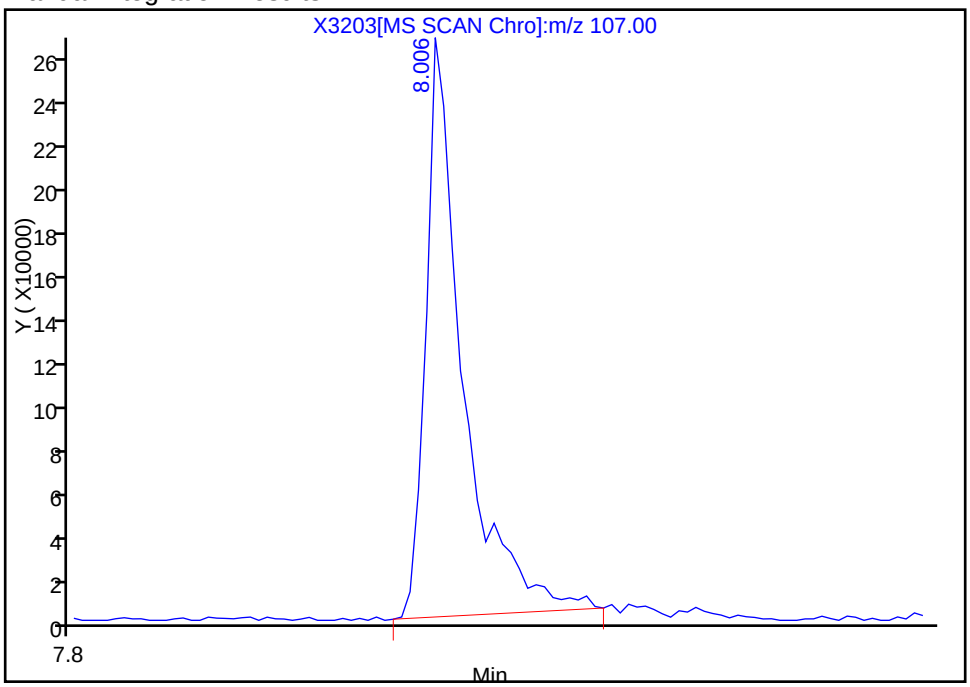
Processing Integration Results

RT: 8.01
Response: 332311
Amount: 6.959454



Manual Integration Results

RT: 8.01
Response: 380088
Amount: 7.261271



Reviewer: mckernar, 20-Dec-2012 16:25:25
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

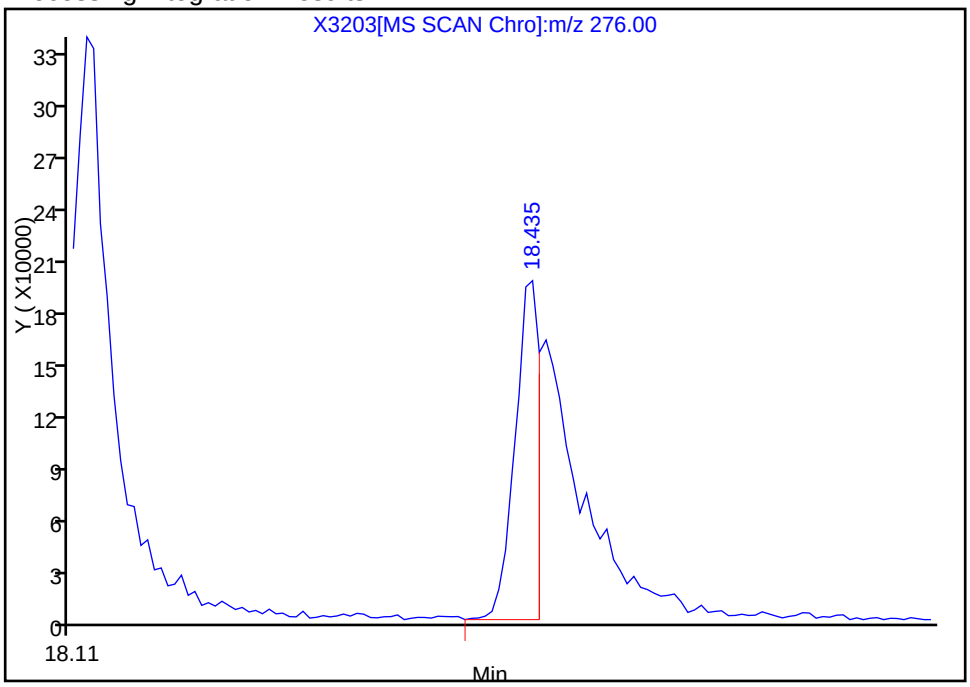
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3203.D		
Injection Date:	20-Dec-2012 15:42:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	13
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

119 Benzo[g,h,i]perylene, Signal: 1, m/z: 276.0 Type: quant, RT: 18.42

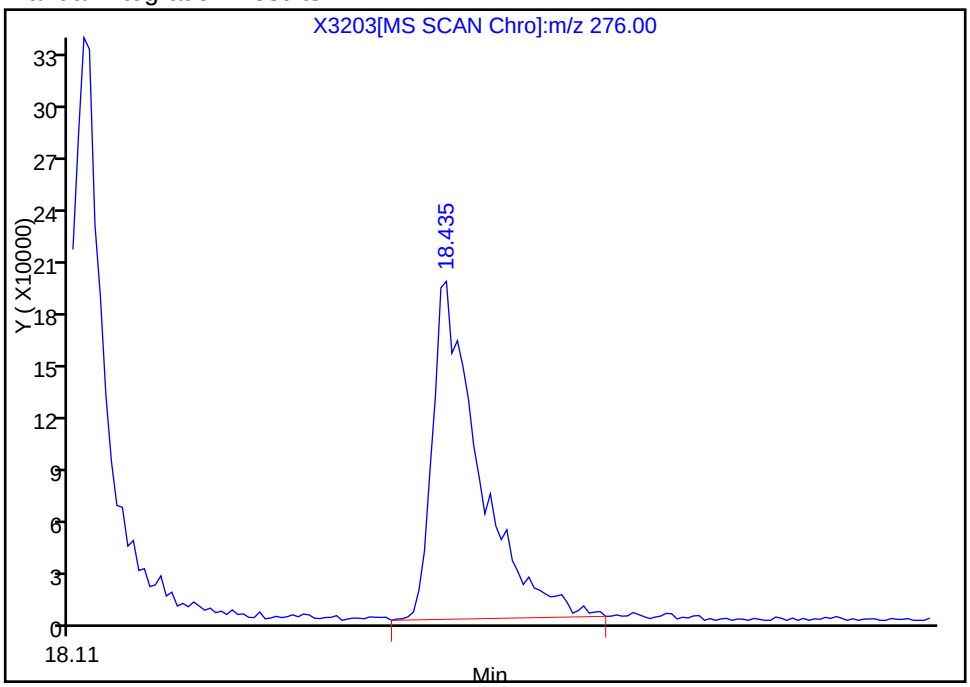
Processing Integration Results

RT: 18.44
Response: 235778
Amount: 1.965405



Manual Integration Results

RT: 18.44
Response: 552793
Amount: 4.823779



Reviewer: mckernar, 20-Dec-2012 16:25:25
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

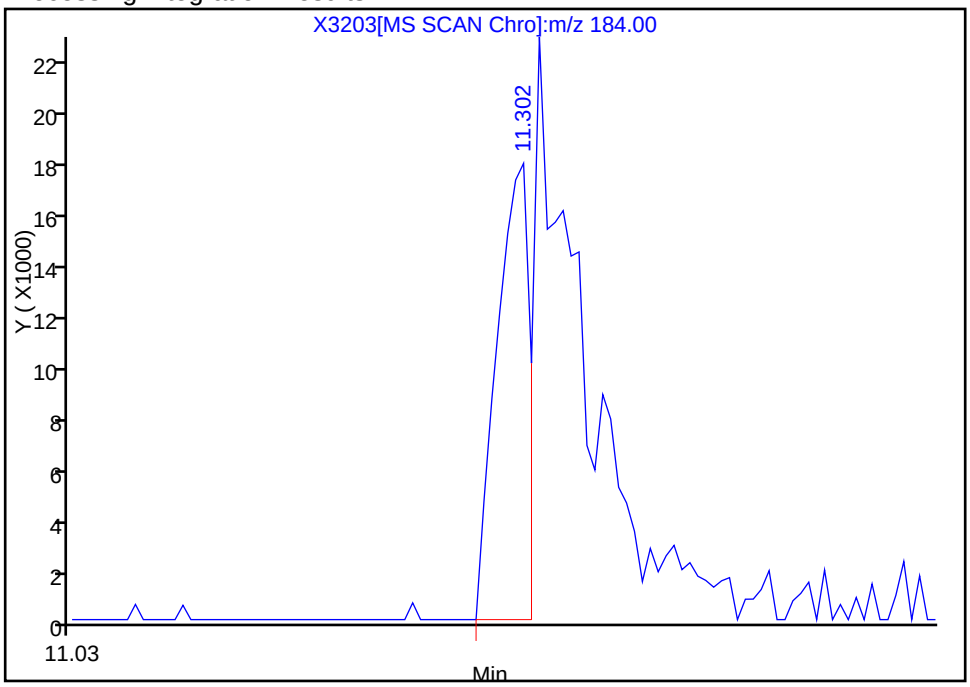
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3203.D		
Injection Date:	20-Dec-2012 15:42:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	13
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

72 2,4-Dinitrophenol, Signal: 1, m/z: 184.0 Type: quant, RT: 11.24

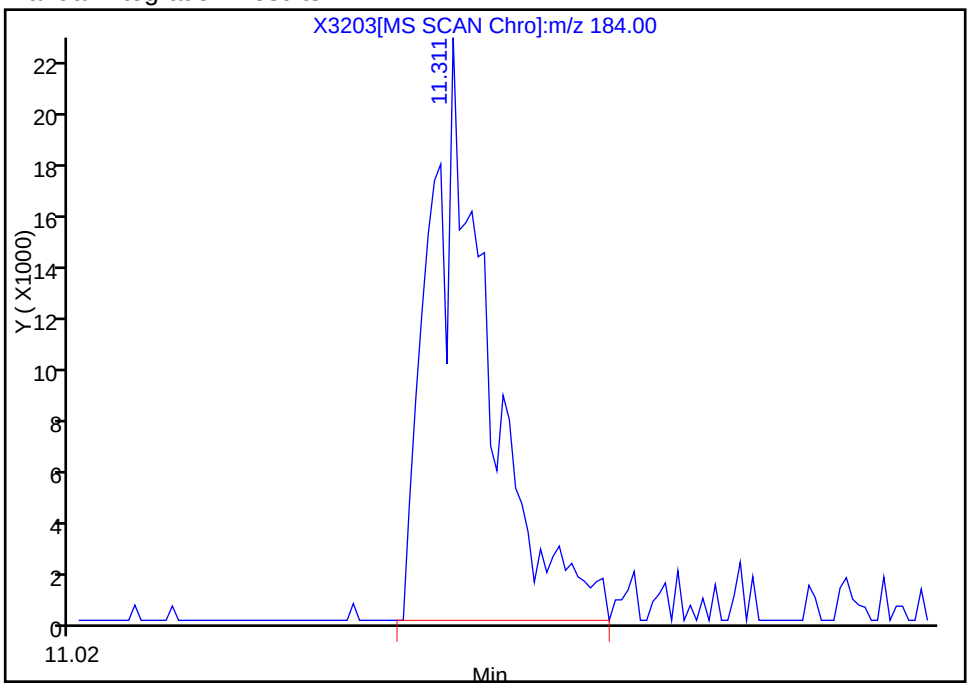
Processing Integration Results

RT: 11.30
Response: 24274
Amount: 1.954909



Manual Integration Results

RT: 11.31
Response: 70879
Amount: 7.595182



Reviewer: mckernar, 20-Dec-2012 16:25:25
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 09-Mar-2013 09:29:37 Chrom Revision: 2.0 01-Feb-2013 10:03:10

Manual Integration/User Assign Peak Report

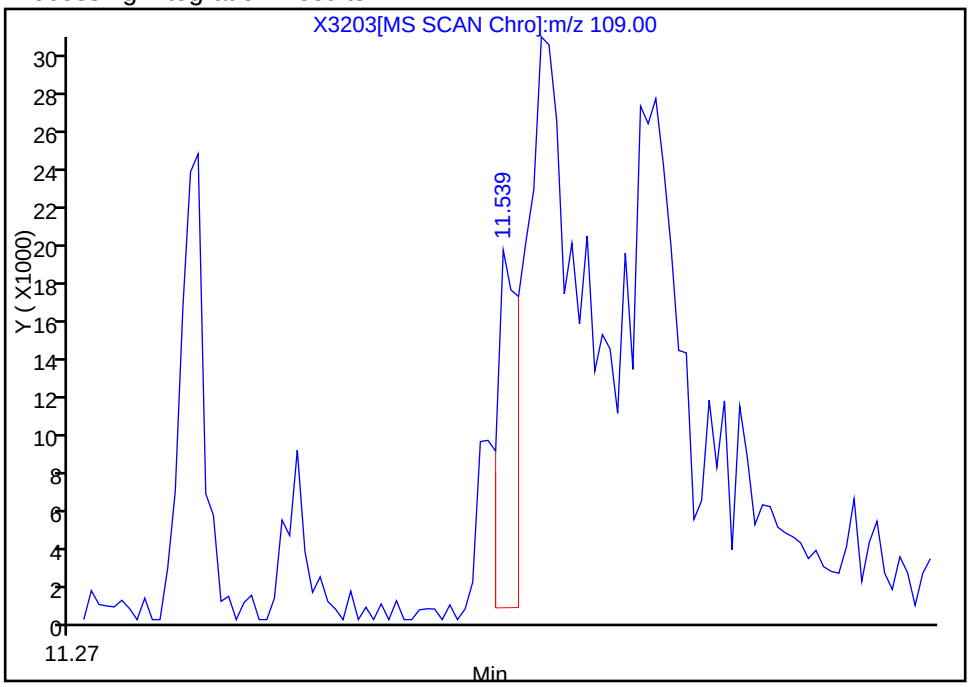
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3203.D		
Injection Date:	20-Dec-2012 15:42:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	13
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

75 4-Nitrophenol, Signal: 1, m/z: 109.0 Type: quant, RT: 11.45

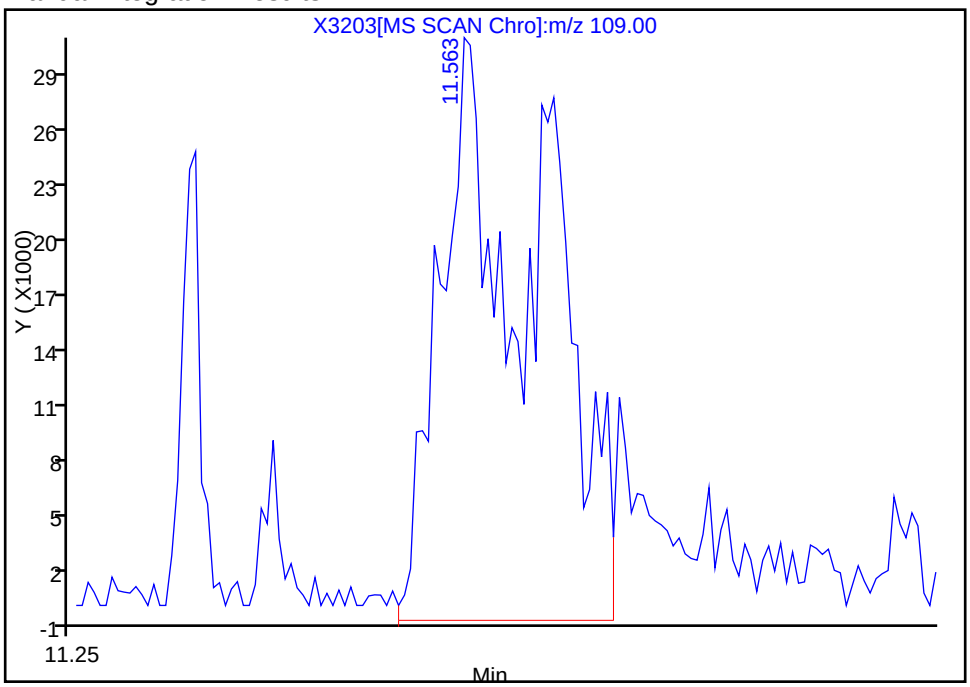
Processing Integration Results

RT: 11.54
Response: 16882
Amount: 0.883909



Manual Integration Results

RT: 11.56
Response: 168482
Amount: 7.238298



Reviewer: mckernar, 20-Dec-2012 16:25:25
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

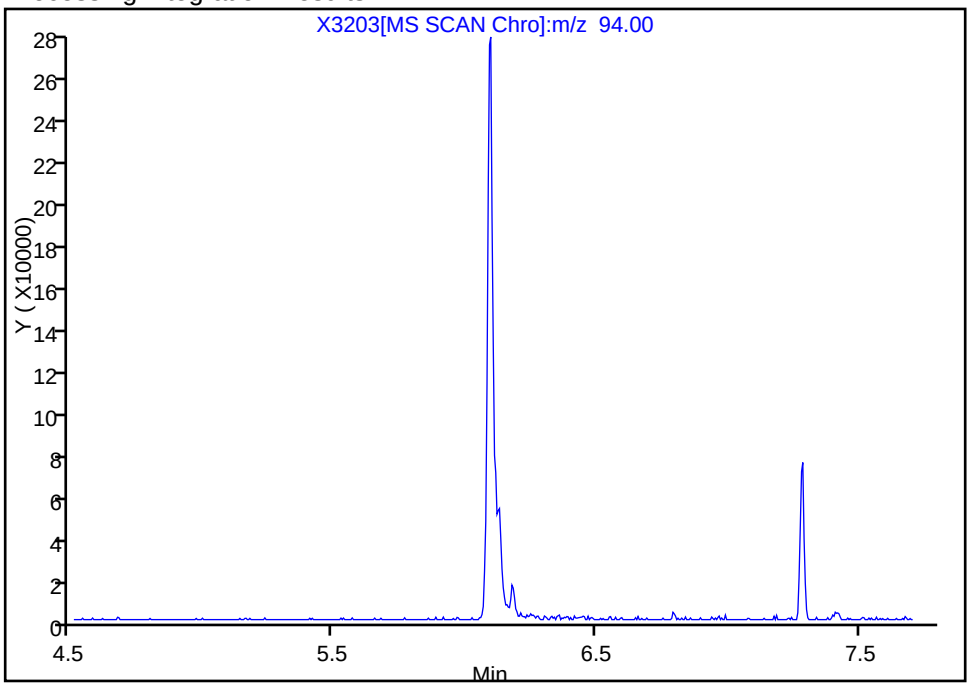
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3203.D		
Injection Date:	20-Dec-2012 15:42:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	13
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

22 Phenol, Signal: 1, m/z: 94.0 Type: quant, RT: 6.11

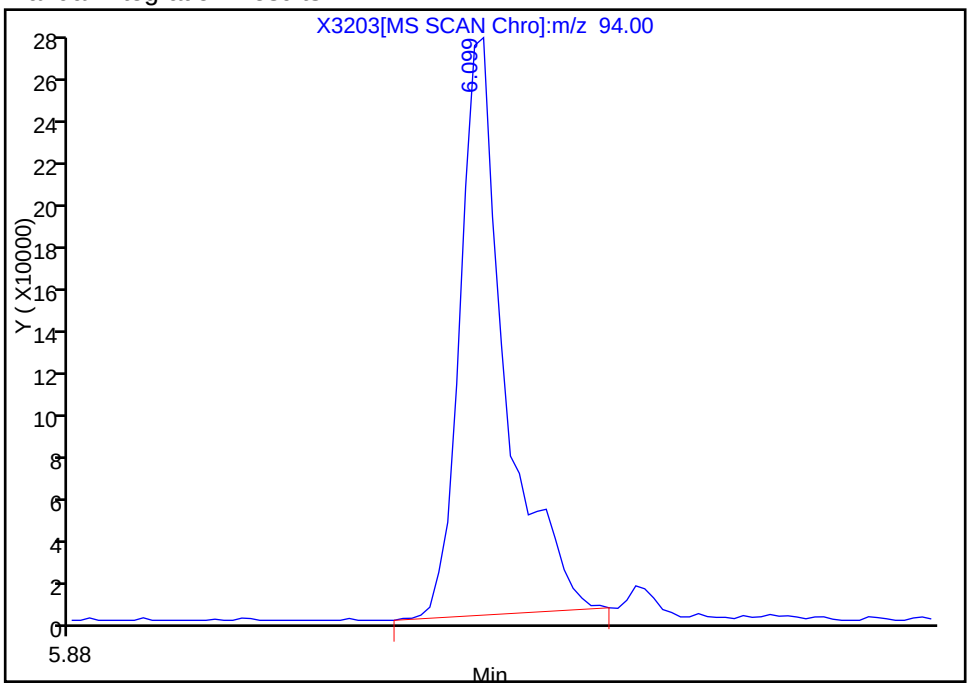
Processing Integration Results

Not Detected
Expected RT: 6.11



Manual Integration Results

RT: 6.10
Response: 447892
Amount: 7.057448



Reviewer: mckernar, 20-Dec-2012 16:25:25
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

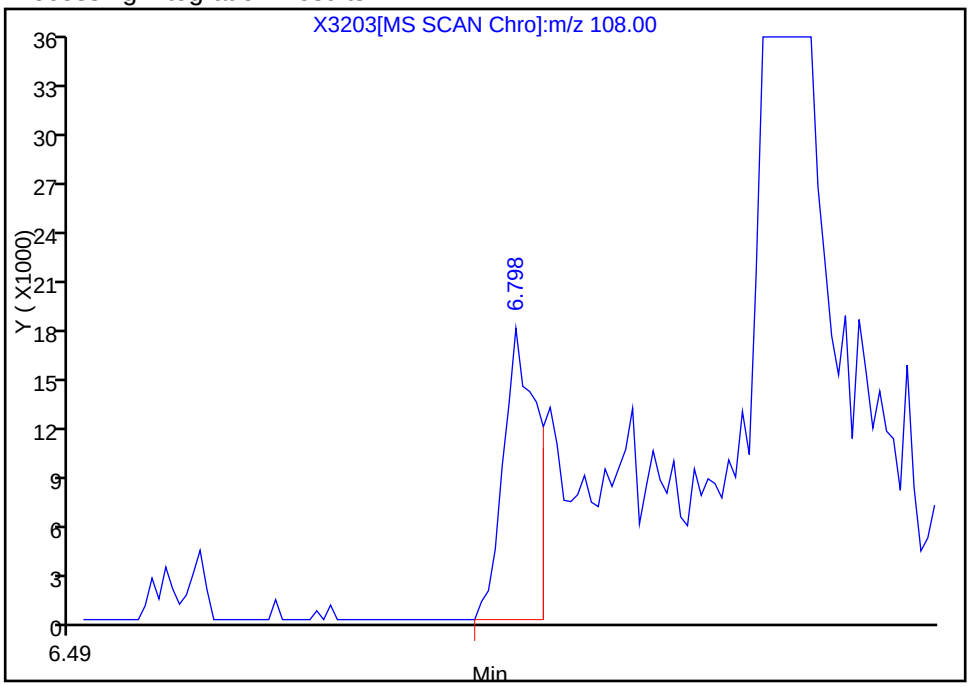
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3203.D		
Injection Date:	20-Dec-2012 15:42:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	13
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

28 Benzyl alcohol, Signal: 1, m/z: 108.0 Type: quant, RT: 6.81

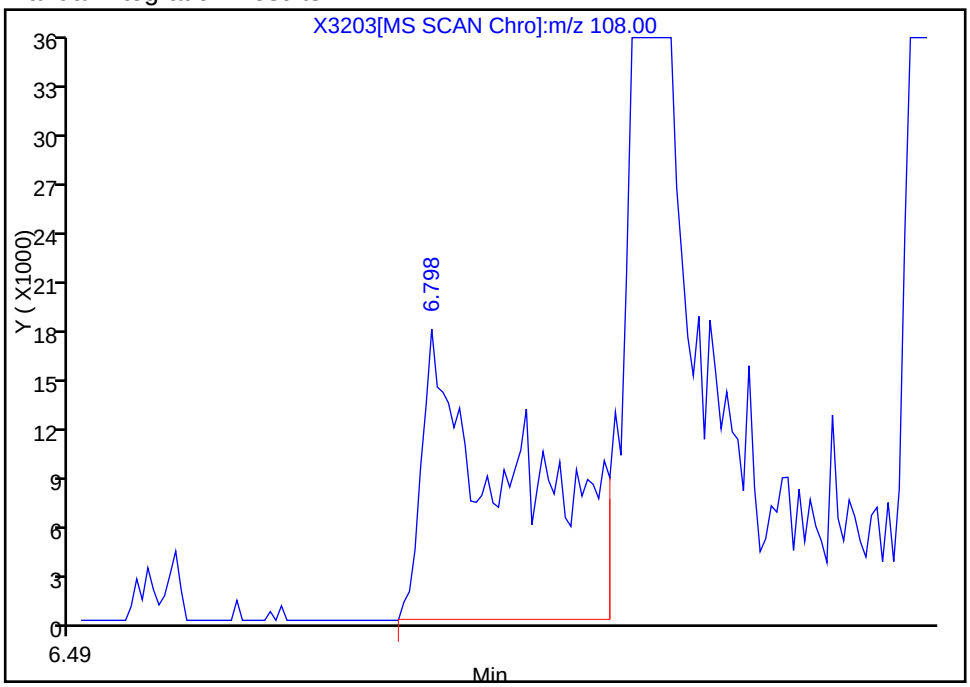
Processing Integration Results

RT: 6.80
Response: 28383
Amount: 1.724688



Manual Integration Results

RT: 6.80
Response: 95451
Amount: 5.309587



Reviewer: mckernar, 20-Dec-2012 16:25:25
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

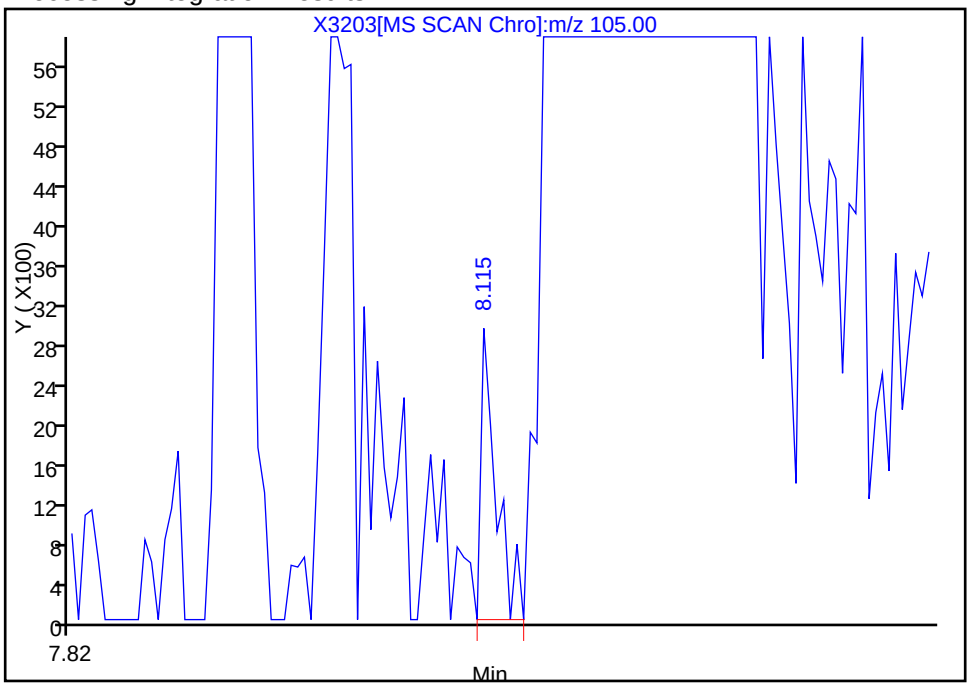
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3203.D		
Injection Date:	20-Dec-2012 15:42:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	13
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

44 Benzoic acid, Signal: 1, m/z: 105.0 Type: quant, RT: 8.18

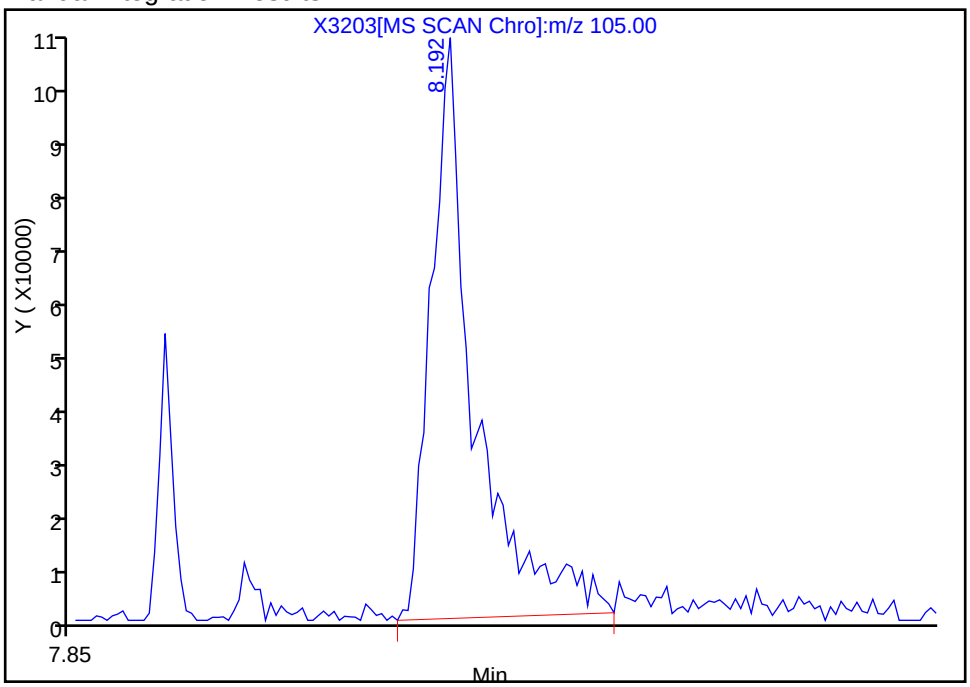
Processing Integration Results

RT: 8.12
Response: 2224
Amount: 0.063622



Manual Integration Results

RT: 8.19
Response: 288225
Amount: 10.171876



Reviewer: mckernar, 20-Dec-2012 16:25:25
Audit Action: Manually Integrated
Audit Reason: Assign Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo
Job No.: 480-30346-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCSD 480-96561/3-A
Matrix: Solid
Lab File ID: X3204.D
Analysis Method: 8270D
Date Collected:
Extract. Method: 3546
Date Extracted: 12/19/2012 09:30
Sample wt/vol: 000030.2(g)
Date Analyzed: 12/20/2012 16:08
Con. Extract Vol.: 1(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
Level: (low/med) Low
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 96803
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
117-81-7	Bis(2-ethylhexyl) phthalate	254		170	67
95-95-4	2,4,5-Trichlorophenol	254		33	11
62-53-3	Aniline	237		33	9.9
67-72-1	Hexachloroethane	216		33	9.9
131-11-3	Dimethyl phthalate	256		33	9.9
105-67-9	2,4-Dimethylphenol	249		33	9.9
78-59-1	Isophorone	242		33	9.9
86-73-7	Fluorene	236		33	9.9
132-64-9	Dibenzofuran	256		33	9.9
208-96-8	Acenaphthylene	254		33	9.9
120-83-2	2,4-Dichlorophenol	246		33	9.9
191-24-2	Benzo[g,h,i]perylene	154		33	9.9
118-74-1	Hexachlorobenzene	254		33	9.9
117-84-0	Di-n-octyl phthalate	298		33	9.9
87-68-3	Hexachlorobutadiene	218		33	9.9
85-01-8	Phenanthrene	255		33	9.9
88-75-5	2-Nitrophenol	239		33	13
207-08-9	Benzo[k]fluoranthene	302		33	17
51-28-5	2,4-Dinitrophenol	116		33	27
120-12-7	Anthracene	259		33	9.9
91-57-6	2-Methylnaphthalene	219		33	9.9
84-74-2	Di-n-butyl phthalate	277		170	50
120-82-1	1,2,4-Trichlorobenzene	223		33	9.9
129-00-0	Pyrene	239		33	9.9
121-14-2	2,4-Dinitrotoluene	242		33	9.9
53-70-3	Dibenz(a,h)anthracene	172		33	9.9
541-73-1	1,3-Dichlorobenzene	204		33	9.9
98-95-3	Nitrobenzene	232		33	9.9
91-20-3	Naphthalene	218		33	9.9
88-06-2	2,4,6-Trichlorophenol	273		33	14
87-86-5	Pentachlorophenol	260		33	9.9
206-44-0	Fluoranthene	205		33	9.9
91-94-1	3,3'-Dichlorobenzidine	242		66	12
101-55-3	4-Bromophenyl phenyl ether	277		33	9.9

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo
Job No.: 480-30346-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCSD 480-96561/3-A
Matrix: Solid
Lab File ID: X3204.D
Analysis Method: 8270D
Date Collected:
Extract. Method: 3546
Date Extracted: 12/19/2012 09:30
Sample wt/vol: 000030.2(g)
Date Analyzed: 12/20/2012 16:08
Con. Extract Vol.: 1(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
Level: (low/med) Low
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 96803
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
84-66-2	Diethyl phthalate	253		33	11
95-48-7	2-Methylphenol	239		33	9.9
95-50-1	1,2-Dichlorobenzene	212		33	9.9
108-60-1	2,2'-oxybis[1-chloropropane]	209		33	9.9
98-86-2	Acetophenone	540		33	9.9
111-44-4	Bis(2-chloroethyl)ether	225		33	9.9
56-55-3	Benzo[a]anthracene	278		33	9.9
193-39-5	Indeno[1,2,3-cd]pyrene	162		33	9.9
85-68-7	Butyl benzyl phthalate	243		33	9.9
218-01-9	Chrysene	261		33	9.9
83-32-9	Acenaphthene	225		33	9.9
205-99-2	Benzo[b]fluoranthene	267		33	9.9
100-02-7	4-Nitrophenol	36.2	J	170	14
106-47-8	4-Chloroaniline	208		66	30
95-57-8	2-Chlorophenol	243		33	9.9
606-20-2	2,6-Dinitrotoluene	128		33	28
108-95-2	Phenol	250		33	9.9
106-46-7	1,4-Dichlorobenzene	207		33	9.9
111-91-1	Bis(2-chloroethoxy)methane	235		33	9.9
91-58-7	2-Chloronaphthalene	227		33	9.9
621-64-7	N-Nitrosodi-n-propylamine	237		33	9.9
7005-72-3	4-Chlorophenyl phenyl ether	239		33	9.9
59-50-7	4-Chloro-3-methylphenol	275		66	9.9
50-32-8	Benzo[a]pyrene	248		33	9.9
106-44-5	4-Methylphenol	515		33	9.9
100-01-6	4-Nitroaniline	184		170	28
88-74-4	2-Nitroaniline	277		170	42
105-60-2	Caprolactam	309		33	9.9
86-74-8	Carbazole	226		33	9.9
534-52-1	4,6-Dinitro-2-methylphenol	221		170	32
90-12-0	1-Methylnaphthalene	486		33	9.9
86-30-6	N-Nitrosodiphenylamine	145		33	9.9
1912-24-9	Atrazine	265		33	9.9
101-84-8	Phenyl ether	287		33	9.9

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo
Job No.: 480-30346-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCSD 480-96561/3-A
Matrix: Solid
Lab File ID: X3204.D
Analysis Method: 8270D
Date Collected:
Extract. Method: 3546
Date Extracted: 12/19/2012 09:30
Sample wt/vol: 000030.2(g)
Date Analyzed: 12/20/2012 16:08
Con. Extract Vol.: 1(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
Level: (low/med) Low
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 96803
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-52-7	Benzaldehyde	252		33	9.9
103-33-3	Azobenzene	684		33	9.9
77-47-4	Hexachlorocyclopentadiene	201		66	9.9
99-09-2	3-Nitroaniline	235		170	9.9
62-75-9	N-Nitrosodimethylamine	194		33	9.9
100-51-6	Benzyl alcohol	143		66	9.9
92-52-4	1,1'-Biphenyl	291		33	9.9
58-90-2	2,3,4,6-Tetrachlorophenol	585		33	9.9
119-61-9	Benzophenone	283		33	9.9
65-85-0	Benzoic acid	376		170	15
95-94-3	1,2,4,5-Tetrachlorobenzene	604		33	9.9

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	90		30-130
367-12-4	2-Fluorophenol	81		30-130
4165-60-0	Nitrobenzene-d5	87		30-130
4165-62-2	Phenol-d5	97		30-130
321-60-8	2-Fluorobiphenyl	96		30-130
1718-51-0	p-Terphenyl-d14	88		30-130

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3204.D
Lims ID: LCSD 480-96561/3-A Client ID:
Inject. Date: 20-Dec-2012 16:08:30 Dil. Factor: 1.0000
Sample Type: LCSD
Sample ID: 480-0017736-014
Misc. Info.:
Operator: ANM Instrument ID: HP5973X
Injection Vol: 1.0 ul ALS Bottle#: 16
Lims Batch ID: 96803 Lims Sample ID: 14
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973X\20121220-17736.b\X-8270LL.m
Last Update: 09-Mar-2013 09:29:35 Calib Date: 18-Dec-2012 14:44:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3139.D
Limit Group: MB - 8270RCP_MCP ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: RXI-5Sil MS Column Dia: 0.25 mm
Process Host: XAWRK034

First Level Reviewer: mckernar Date: 20-Dec-2012 16:46:11

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.556	6.570	-0.014	84	198182	5.00	
* 2 Naphthalene-d8	136	8.448	8.439	0.009	97	746613	5.00	
* 3 Acenaphthene-d10	164	11.092	11.064	0.028	89	459413	5.00	
* 4 Phenanthrene-d10	188	13.099	13.080	0.019	95	686463	5.00	
* 5 Chrysene-d12	240	15.748	15.734	0.014	95	479631	5.00	
* 6 Perylene-d12	264	17.027	17.013	0.014	96	553861	5.00	
$ 7 2-Fluorophenol	112	4.682	4.682	0.0	1	73015	1.62	
$ 8 Phenol-d5	99	6.080	6.090	-0.010	59	106618	1.95	
$ 9 Nitrobenzene-d5	82	7.383	7.393	-0.010	76	97455	1.74	
$ 10 2-Fluorobiphenyl	172	10.103	10.075	0.028	93	221763	1.92	
$ 11 2,4,6-Tribromophenol	330	12.262	12.229	0.033	51	22779	1.80	
$ 12 p-Terphenyl-d14	244	14.783	14.759	0.024	94	162571	1.76	
19 N-Nitrosodimethylamine	42	2.813	2.766	0.047	65	212559	5.87	
20 Pyridine	52	2.884	2.837	0.047	75	169080	4.60	
21 Benzaldehyde	77	5.923	5.938	-0.015	88	296077	7.62	
23 Aniline	93	6.090	6.104	-0.014	93	518754	7.15	
22 Phenol	94	6.099	6.109	-0.010	38	454888	7.54	
24 Bis(2-chloroethyl)ether	93	6.185	6.204	-0.019	98	322594	6.79	
25 2-Chlorophenol	128	6.256	6.270	-0.014	96	376625	7.34	
26 1,3-Dichlorobenzene	146	6.465	6.484	-0.019	97	392039	6.16	
27 1,4-Dichlorobenzene	146	6.579	6.594	-0.015	71	398352	6.27	
29 1,2-Dichlorobenzene	146	6.798	6.813	-0.015	85	379721	6.40	
28 Benzyl alcohol	108	6.798	6.813	-0.015	1	71809	4.32	M
31 2-Methylphenol	108	6.984	6.993	-0.009	73	310622	7.21	
32 2,2'-oxybis[1-chloropropane]	45	6.979	6.998	-0.019	67	487028	6.30	
33 Acetophenone	105	7.169	7.174	-0.005	95	1198766	16.3	
34 N-Nitrosodi-n-propylamine	70	7.179	7.183	-0.004	94	264347	7.16	
36 4-Methylphenol	108	7.221	7.231	-0.010	82	678374	15.5	
37 Hexachloroethane	117	7.288	7.298	-0.010	94	164717	6.52	
38 Nitrobenzene	77	7.416	7.421	-0.005	83	406816	7.00	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
40 Isophorone	82	7.778	7.778	0.0	75	698441	7.31	
41 2-Nitrophenol	139	7.892	7.892	0.0	89	191140	7.23	
43 2,4-Dimethylphenol	107	8.011	8.001	0.010	86	374486	7.51	
42 o,o',o''-Triethylphosphorothioat	198	8.087	8.055	0.032	86	217668	0	
45 Bis(2-chloroethoxy)methane	93	8.130	8.125	0.005	99	402482	7.11	
44 Benzoic acid	105	8.196	8.177	0.019	1	316507	11.4	M
47 2,4-Dichlorophenol	162	8.296	8.277	0.019	81	301059	7.42	
48 1,2,4-Trichlorobenzene	180	8.372	8.363	0.009	95	335898	6.73	
49 Naphthalene	128	8.482	8.472	0.010	93	1088685	6.58	
51 4-Chloroaniline	127	8.615	8.596	0.019	97	375350	6.27	
52 Hexachlorobutadiene	225	8.677	8.662	0.015	84	179723	6.59	
54 Caprolactam	113	9.157	9.129	0.028	68	137902	9.33	M
55 4-Chloro-3-methylphenol	107	9.414	9.385	0.029	96	371865	8.29	
56 2-Methylnaphthalene	142	9.533	9.509	0.024	77	765115	6.60	
57 1-Methylnaphthalene	142	9.680	9.656	0.024	86	1567972	14.7	
58 Hexachlorocyclopentadiene	237	9.766	9.742	0.024	71	99101	6.07	
59 1,2,4,5-Tetrachlorobenzene	216	9.789	9.761	0.028	92	786304	18.2	
60 2,4,6-Trichlorophenol	196	9.999	9.970	0.029	90	218355	8.23	
61 2,4,5-Trichlorophenol	196	10.089	10.056	0.033	85	197131	7.68	
62 1,1'-Biphenyl	154	10.246	10.218	0.028	99	1166804	8.78	
63 2-Chloronaphthalene	162	10.265	10.265	0.0	92	713029	6.86	
64 Phenyl ether	170	10.412	10.384	0.028	91	625585	8.66	
65 2-Nitroaniline	65	10.469	10.436	0.033	81	254819	8.37	
66 1,4-Dinitrobenzene	75	10.702	10.665	0.037	82	155751	0	
67 Dimethyl phthalate	163	10.750	10.722	0.028	93	917801	7.72	
68 2,6-Dinitrotoluene	165	10.836	10.807	0.029	83	209098	3.88	
69 Acenaphthylene	152	10.883	10.850	0.033	91	1233833	7.68	
70 3-Nitroaniline	138	11.107	11.069	0.038	76	189888	7.09	M
71 Acenaphthene	153	11.140	11.112	0.028	90	758773	6.78	
72 2,4-Dinitrophenol	184	11.297	11.240	0.057	83	29619	3.51	
73 Dibenzofuran	168	11.411	11.378	0.033	98	1054009	7.72	
74 2,4-Dinitrotoluene	165	11.454	11.416	0.038	94	251283	7.30	
75 4-Nitrophenol	109	11.544	11.454	0.090	29	25157	1.09	
76 2,3,4,6-Tetrachlorophenol	232	11.630	11.597	0.033	83	364633	17.7	
78 Diethyl phthalate	149	11.801	11.777	0.024	92	994024	7.64	
79 Fluorene	166	11.910	11.882	0.028	82	890229	7.13	
80 4-Chlorophenyl phenyl ether	204	11.929	11.901	0.028	90	398546	7.21	
81 4-Nitroaniline	138	12.025	11.982	0.042	81	159915	5.56	
82 4,6-Dinitro-2-methylphenol	198	12.053	12.010	0.043	56	119542	6.68	
83 N-Nitrosodiphenylamine	169	12.101	12.077	0.024	98	700845	4.39	
16 1,2-Diphenylhydrazine	77	12.143	12.120	0.023	95	2125634	20.6	E
85 Azobenzene	77	12.143	12.120	0.023	94	2125634	20.6	E
86 Benzophenone	105	12.167	12.144	0.023	88	932937	8.54	
87 Sulfotepp	322	12.338	12.297	0.041	77	182140	0	
88 Phorate	75	12.491	12.454	0.037	88	604075	0	
89 4-Bromophenyl phenyl ether	248	12.571	12.548	0.023	86	215166	8.36	
91 Hexachlorobenzene	284	12.633	12.610	0.023	77	207844	7.67	
90 Dimethoate	87	12.724	12.668	0.056	88	333707	0	
93 Atrazine	200	12.814	12.800	0.014	84	276950	8.01	
94 Pentachlorophenol	266	12.914	12.885	0.029	71	97525	7.85	
97 Phenanthrene	178	13.128	13.109	0.019	89	1179948	7.71	
96 Disulfoton	88	13.128	13.120	0.008	74	581325	0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
98 Anthracene	178	13.190	13.171	0.019	95	1220264	7.83	
99 Carbazole	167	13.399	13.380	0.019	97	986852	6.83	
100 Methyl parathion	109	13.556	13.543	0.013	87	281244	0	
102 Di-n-butyl phthalate	149	13.784	13.765	0.019	97	1400268	8.36	
103 Ethyl Parathion	97	13.965	14.003	-0.038	79	181368	0	
104 Fluoranthene	202	14.407	14.388	0.019	96	936405	6.18	
106 Pyrene	202	14.631	14.607	0.024	98	928070	7.22	
107 Famphur	218	15.177	15.168	0.009	82	369855	0	
108 Butyl benzyl phthalate	149	15.225	15.211	0.014	92	520486	7.32	
109 3,3'-Dichlorobenzidine	252	15.720	15.705	0.015	70	315314	7.32	
110 Bis(2-ethylhexyl) phthalate	149	15.720	15.710	0.010	96	750895	7.68	
111 Benzo[a]anthracene	228	15.734	15.720	0.014	96	866238	8.38	
112 Chrysene	228	15.772	15.753	0.019	91	923615	7.88	
113 Di-n-octyl phthalate	149	16.257	16.248	0.009	97	1388456	9.00	
114 Benzo[b]fluoranthene	252	16.666	16.657	0.009	93	1038426	8.07	
115 Benzo[k]fluoranthene	252	16.694	16.680	0.014	98	1209318	9.12	
116 Benzo[a]pyrene	252	16.975	16.961	0.014	70	930304	7.48	
118 Dibenz(a,h)anthracene	278	18.126	18.107	0.019	56	586768	5.21	
117 Indeno[1,2,3-cd]pyrene	276	18.121	18.107	0.014	94	648726	4.89	
119 Benzo[g,h,i]perylene	276	18.440	18.421	0.019	90	514707	4.65	
S 121 3-Methylphenol	1		0.000					

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount

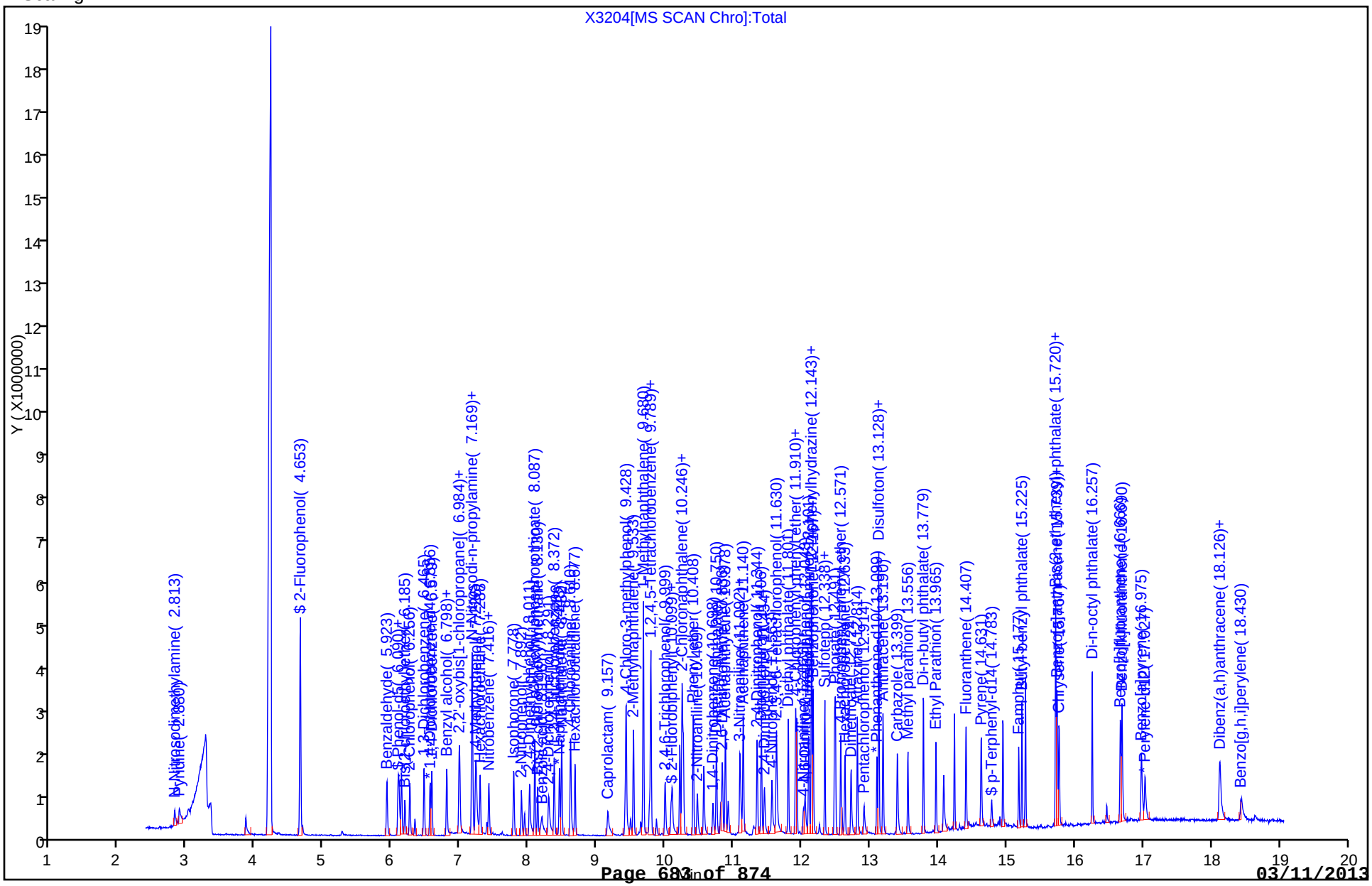
Review Flags
M - Manually Integrated

Report Date: 09-Mar-2013 09:29:38 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3204.D		
Injection Date:	20-Dec-2012 16:08:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	14
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:



Report Date: 09-Mar-2013 09:29:38 Chrom Revision: 2.0 01-Feb-2013 10:03:10

Manual Integration/User Assign Peak Report

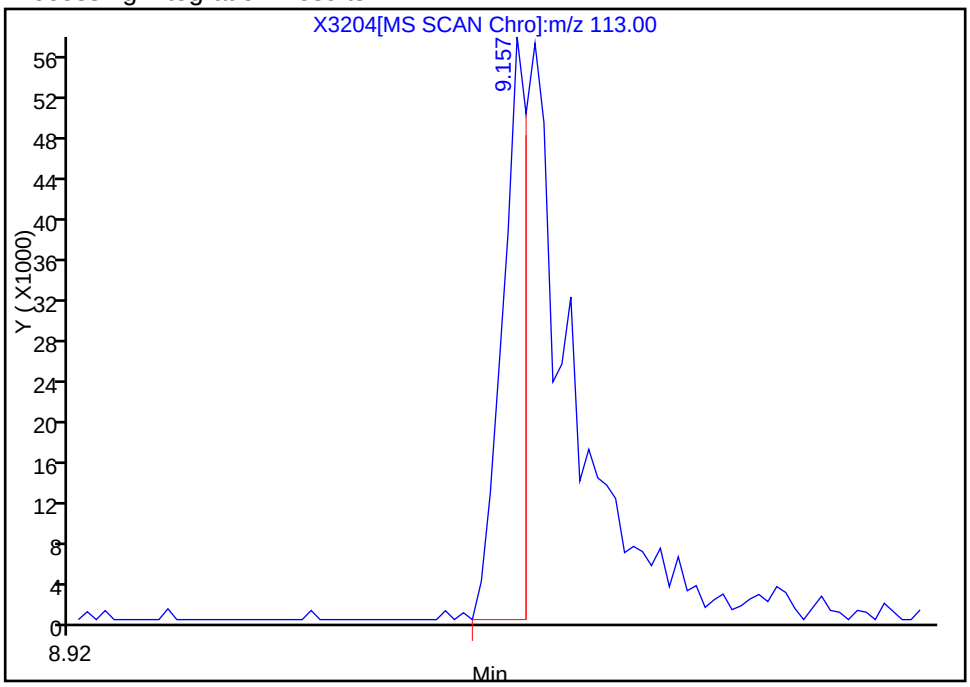
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3204.D		
Injection Date:	20-Dec-2012 16:08:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	14
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

54 Caprolactam, Signal: 1, m/z: 113.0 Type: quant, RT: 9.13

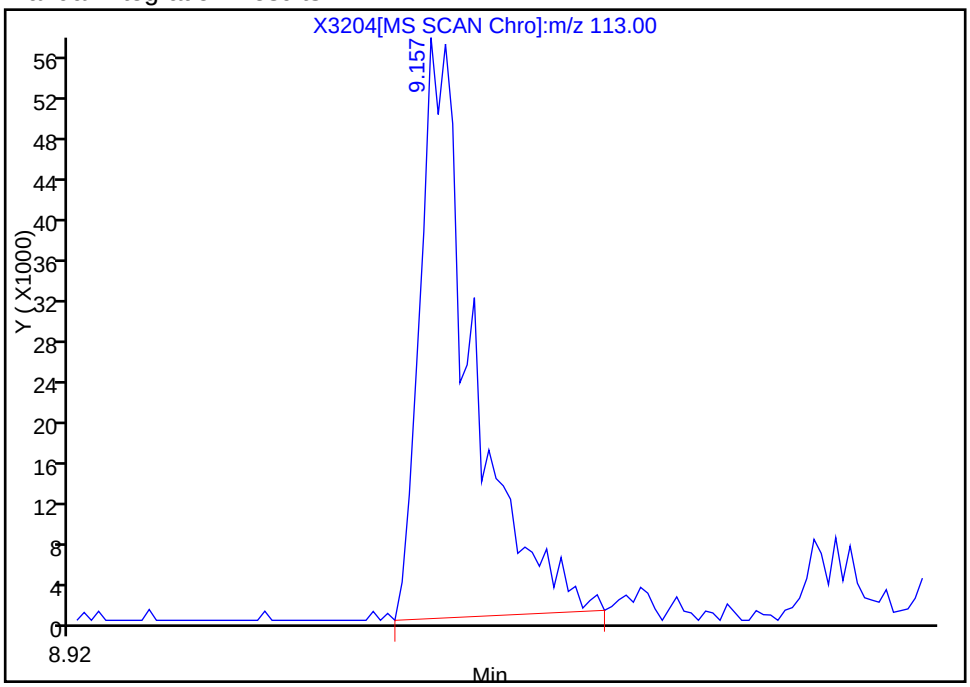
Processing Integration Results

RT: 9.16
Response: 53342
Amount: 3.283207



Manual Integration Results

RT: 9.16
Response: 137902
Amount: 9.334970



Reviewer: mckernar, 20-Dec-2012 16:46:11
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

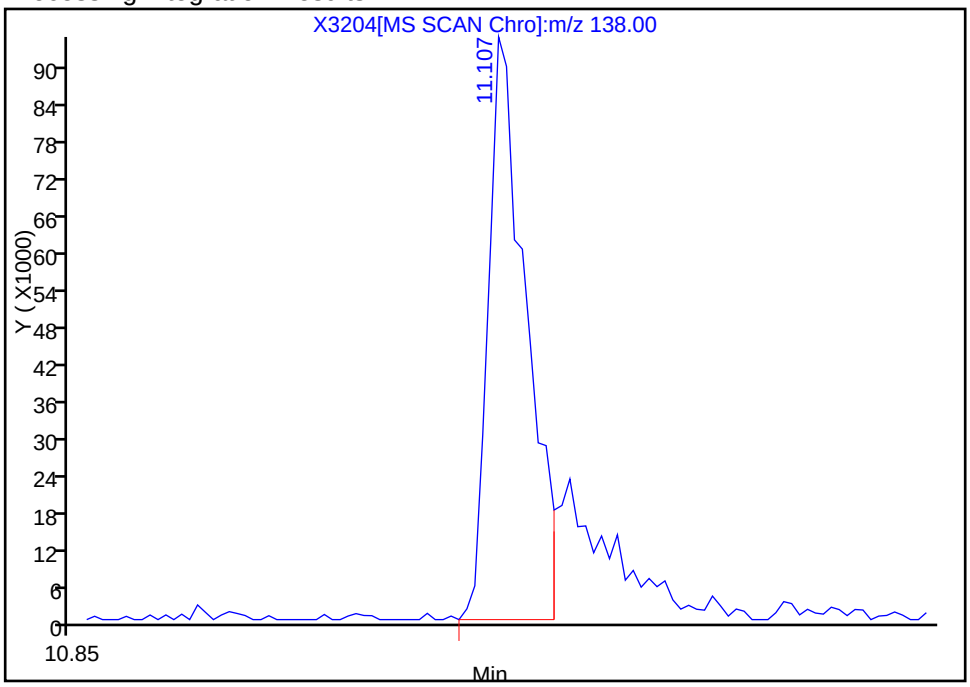
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3204.D		
Injection Date:	20-Dec-2012 16:08:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	14
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

70 3-Nitroaniline, Signal: 1, m/z: 138.0 Type: quant, RT: 11.07

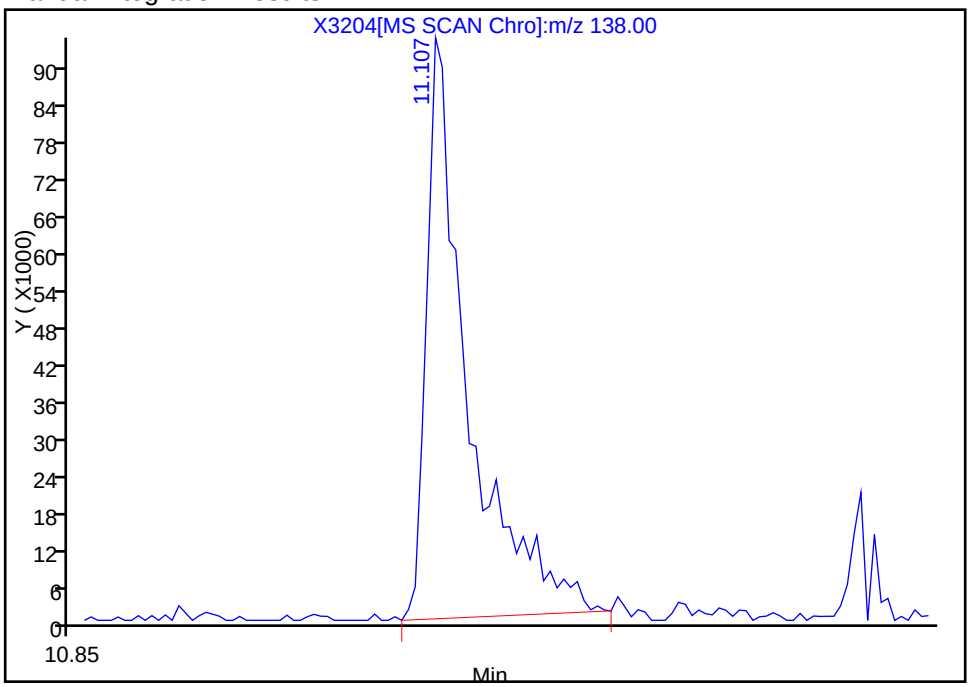
Processing Integration Results

RT: 11.11
Response: 149043
Amount: 5.120291



Manual Integration Results

RT: 11.11
Response: 189888
Amount: 7.094092



Reviewer: mckernar, 20-Dec-2012 16:46:11
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 09-Mar-2013 09:29:38 Chrom Revision: 2.0 01-Feb-2013 10:03:10

Manual Integration/User Assign Peak Report

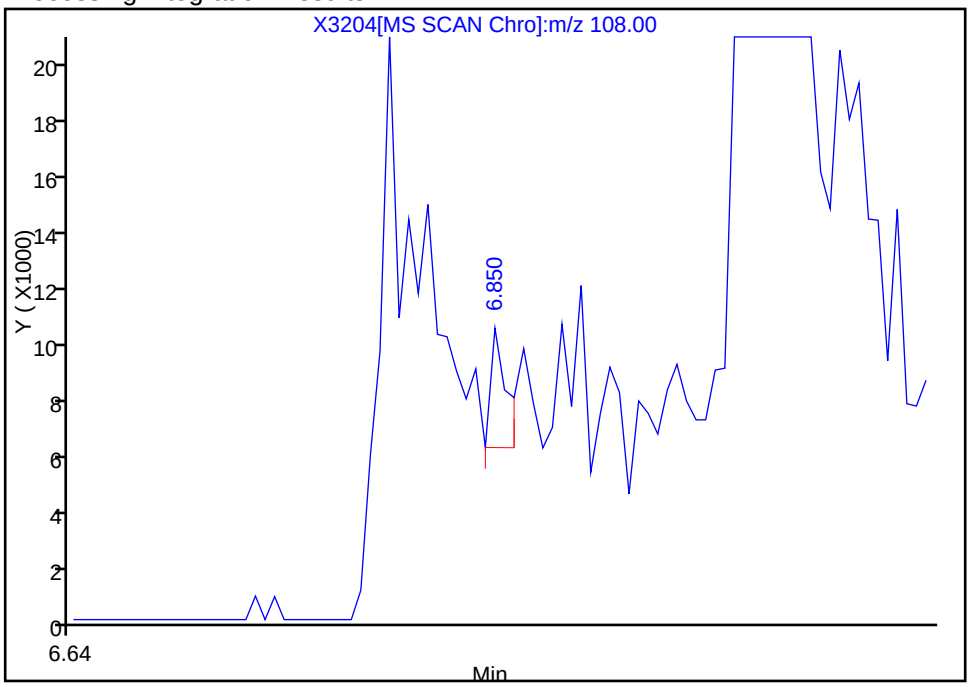
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3204.D		
Injection Date:	20-Dec-2012 16:08:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	14
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

28 Benzyl alcohol, Signal: 1, m/z: 108.0 Type: quant, RT: 6.81

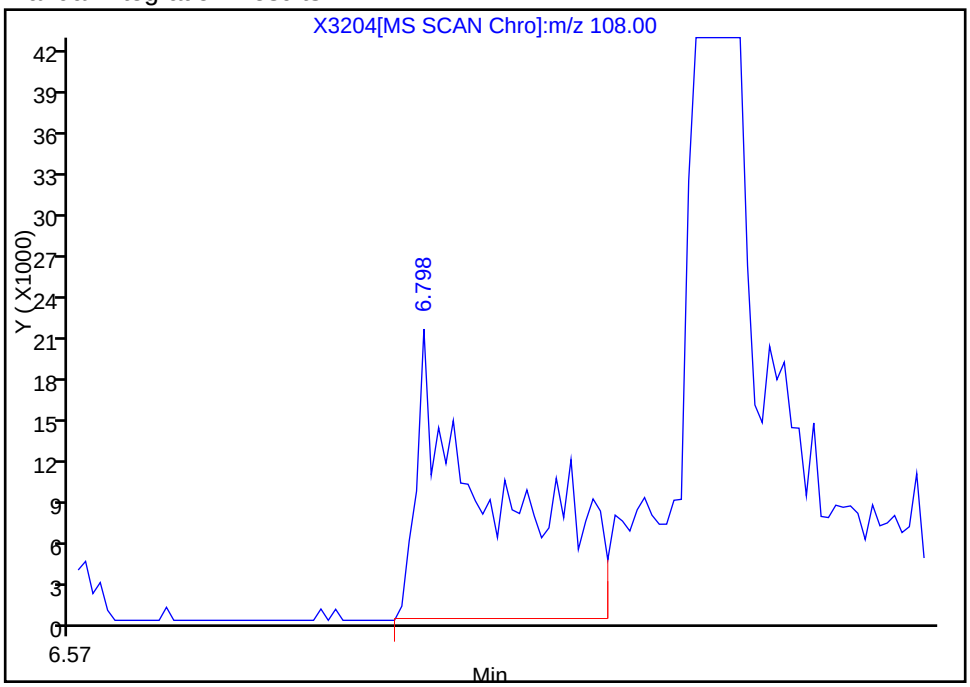
Processing Integration Results

RT: 6.85
Response: 2249
Amount: 0.143666



Manual Integration Results

RT: 6.80
Response: 71809
Amount: 4.320980



Reviewer: mckernar, 20-Dec-2012 16:46:11
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

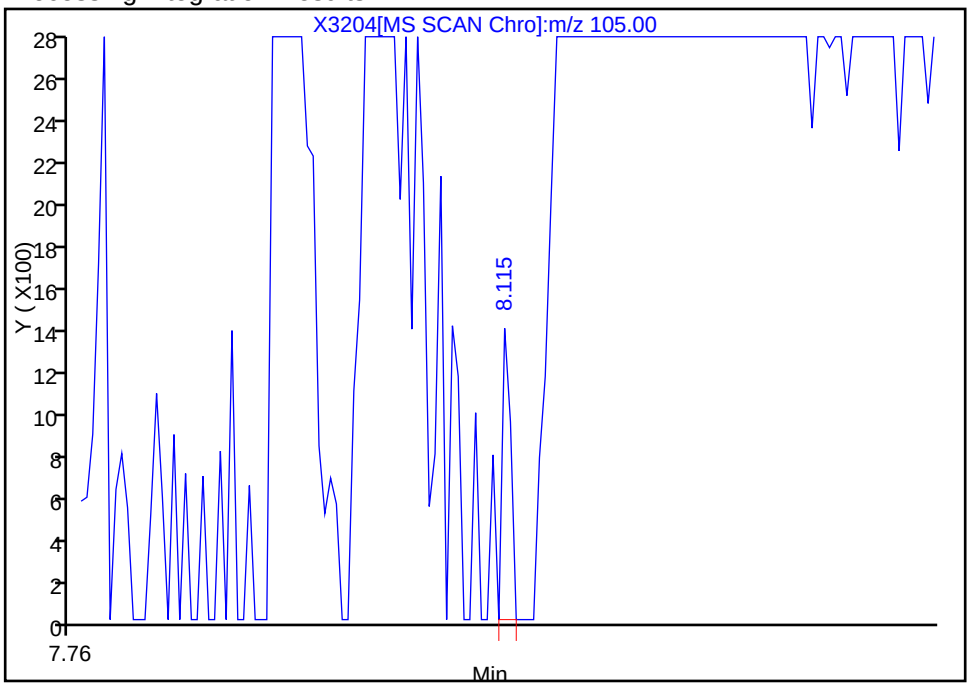
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3204.D		
Injection Date:	20-Dec-2012 16:08:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	14
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

44 Benzoic acid, Signal: 1, m/z: 105.0 Type: quant, RT: 8.18

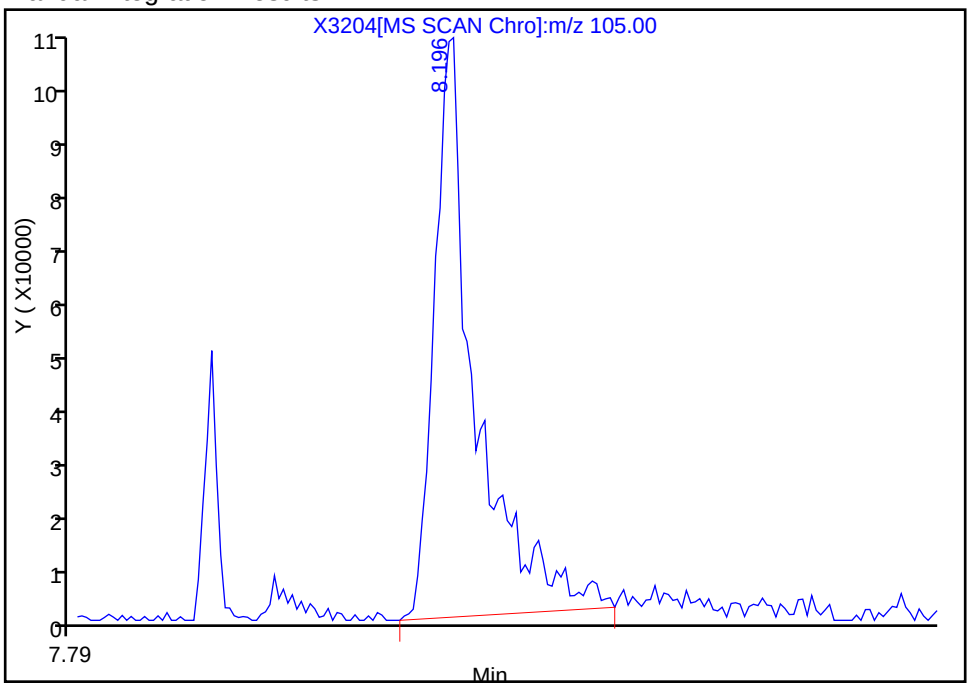
Processing Integration Results

RT: 8.12
Response: 666
Amount: 0.019995



Manual Integration Results

RT: 8.20
Response: 316507
Amount: 11.352989



Reviewer: mckernar, 20-Dec-2012 16:46:11
Audit Action: Manually Integrated
Audit Reason: Assign Peak

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-30346-1

SDG No.:

Instrument ID: HP5973X Start Date: 12/18/2012 11:04

Analysis Batch Number: 96347 End Date: 12/18/2012 21:07

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 480-96347/1		12/18/2012 11:04	1	X3130.D	RXI-5Sil MS 0.25(mm)
IC 480-96347/2		12/18/2012 11:20	1	X3131.D	RXI-5Sil MS 0.25(mm)
IC 480-96347/3		12/18/2012 11:45	1	X3132.D	RXI-5Sil MS 0.25(mm)
IC 480-96347/4		12/18/2012 12:11	1	X3133.D	RXI-5Sil MS 0.25(mm)
IC 480-96347/5		12/18/2012 12:36	1	X3134.D	RXI-5Sil MS 0.25(mm)
ICIS 480-96347/6		12/18/2012 13:01	1	X3135.D	RXI-5Sil MS 0.25(mm)
IC 480-96347/7		12/18/2012 13:27	1	X3136.D	RXI-5Sil MS 0.25(mm)
IC 480-96347/8		12/18/2012 13:52	1	X3137.D	RXI-5Sil MS 0.25(mm)
IC 480-96347/9		12/18/2012 14:18	1	X3138.D	RXI-5Sil MS 0.25(mm)
IC 480-96347/10		12/18/2012 14:44	1	X3139.D	RXI-5Sil MS 0.25(mm)
ICV 480-96347/11		12/18/2012 15:10	1		RXI-5Sil MS 0.25(mm)
CCVIS 480-96347/13		12/18/2012 16:53	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		12/18/2012 17:19	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		12/18/2012 17:44	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		12/18/2012 18:10	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		12/18/2012 18:35	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		12/18/2012 19:00	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		12/18/2012 19:26	20		RXI-5Sil MS 0.25(mm)
ZZZZZ		12/18/2012 19:51	20		RXI-5Sil MS 0.25(mm)
ZZZZZ		12/18/2012 20:16	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		12/18/2012 20:42	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		12/18/2012 21:07	1		RXI-5Sil MS 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-30346-1

SDG No.:

Instrument ID: HP5973X Start Date: 12/20/2012 10:20

Analysis Batch Number: 96803 End Date: 12/20/2012 20:48

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 480-96803/1		12/20/2012 10:20	1	X3190.D	RXI-5Sil MS 0.25(mm)
CCVIS 480-96803/2		12/20/2012 10:36	1	X3191.D	RXI-5Sil MS 0.25(mm)
ZZZZZ		12/20/2012 11:01	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		12/20/2012 11:52	10		RXI-5Sil MS 0.25(mm)
ZZZZZ		12/20/2012 12:17	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		12/20/2012 12:43	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		12/20/2012 13:08	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		12/20/2012 13:34	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		12/20/2012 14:26	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		12/20/2012 14:51	20		RXI-5Sil MS 0.25(mm)
MB 480-96561/1-A		12/20/2012 15:17	1	X3202.D	RXI-5Sil MS 0.25(mm)
LCS 480-96561/2-A		12/20/2012 15:42	1	X3203.D	RXI-5Sil MS 0.25(mm)
LCSD 480-96561/3-A		12/20/2012 16:08	1	X3204.D	RXI-5Sil MS 0.25(mm)
ZZZZZ		12/20/2012 16:33	1		RXI-5Sil MS 0.25(mm)
480-30346-4	OC-SB-519-0.0/1.0-XXX	12/20/2012 16:58	1	X3206.D	RXI-5Sil MS 0.25(mm)
480-30346-5	OC-SB-519-8.0/10-XXX	12/20/2012 17:24	1	X3207.D	RXI-5Sil MS 0.25(mm)
480-30346-6	OC-SB-519-12/14-XXX	12/20/2012 17:49	1	X3208.D	RXI-5Sil MS 0.25(mm)
ZZZZZ		12/20/2012 18:15	1		RXI-5Sil MS 0.25(mm)
480-30346-8	OC-SB-518-8.0/10-XXX	12/20/2012 18:40	1	X3210.D	RXI-5Sil MS 0.25(mm)
ZZZZZ		12/20/2012 19:06	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		12/20/2012 19:31	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		12/20/2012 19:57	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		12/20/2012 20:22	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		12/20/2012 20:48	1		RXI-5Sil MS 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-30346-1

SDG No.:

Instrument ID: HP5973X Start Date: 12/21/2012 09:57

Analysis Batch Number: 97046 End Date: 12/21/2012 15:08

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 480-97046/1		12/21/2012 09:57	1	X3221.D	RXI-5Sil MS 0.25(mm)
CCVIS 480-97046/2		12/21/2012 10:13	1	X3222.D	RXI-5Sil MS 0.25(mm)
ZZZZZ		12/21/2012 10:38	100		RXI-5Sil MS 0.25(mm)
480-30346-4 DL	OC-SB-519-0.0/1.0-XXX DL	12/21/2012 11:04	10	X3224.D	RXI-5Sil MS 0.25(mm)
480-30346-9	OC-SB-518-13/15-XXX	12/21/2012 11:54	20	X3226.D	RXI-5Sil MS 0.25(mm)
ZZZZZ		12/21/2012 12:20	10		RXI-5Sil MS 0.25(mm)
ZZZZZ		12/21/2012 12:45	10		RXI-5Sil MS 0.25(mm)
ZZZZZ		12/21/2012 13:11	10		RXI-5Sil MS 0.25(mm)
ZZZZZ		12/21/2012 13:37	10		RXI-5Sil MS 0.25(mm)
480-30346-7	OC-SB-518-0.0/1.0-XXX	12/21/2012 15:08	500	X3231.D	RXI-5Sil MS 0.25(mm)

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-30346-1

SDG No.:

Batch Number: 96561 Batch Start Date: 12/19/12 09:30 Batch Analyst: Evers, David

Batch Method: 3546 Batch End Date: 12/19/12 15:32

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	O_8270LLspike 00005	O_8270LLsurr 00002	O_8270MCPAPIX 00001	O_OlinLCSspik 00001
MB 480-96561/1		3546, 8270D		000030.4 g	1 mL		1 mL		
LCS 480-96561/2		3546, 8270D		000030.2 g	1 mL	1 mL	1 mL	0.1 mL	0.1 mL
LCSD 480-96561/3		3546, 8270D		000030.2 g	1 mL	1 mL	1 mL	0.1 mL	0.1 mL
480-30346-B-4	OC-SB-519-0.0/1.0-XXX	3546, 8270D	T	000030.3 g	1 mL		1 mL		
480-30346-B-5	OC-SB-519-8.0/10-XXX	3546, 8270D	T	000030.1 g	1 mL		1 mL		
480-30346-B-6	OC-SB-519-12/14-XXX	3546, 8270D	T	000030.6 g	1 mL		1 mL		
480-30346-B-7	OC-SB-518-0.0/1.0-XXX	3546, 8270D	T	000030.7 g	1 mL		1 mL		
480-30346-B-8	OC-SB-518-8.0/10-XXX	3546, 8270D	T	000030.4 g	1 mL		1 mL		
480-30346-B-9	OC-SB-518-13/15-XXX	3546, 8270D	T	000030.3 g	1 mL		1 mL		

Lab Sample ID	Client Sample ID	Method Chain	Basis	O8270full#2 00001					
MB 480-96561/1		3546, 8270D							
LCS 480-96561/2		3546, 8270D		0.1 mL					
LCSD 480-96561/3		3546, 8270D		0.1 mL					
480-30346-B-4	OC-SB-519-0.0/1.0-XXX	3546, 8270D	T						
480-30346-B-5	OC-SB-519-8.0/10-XXX	3546, 8270D	T						
480-30346-B-6	OC-SB-519-12/14-XXX	3546, 8270D	T						
480-30346-B-7	OC-SB-518-0.0/1.0-XXX	3546, 8270D	T						
480-30346-B-8	OC-SB-518-8.0/10-XXX	3546, 8270D	T						
480-30346-B-9	OC-SB-518-13/15-XXX	3546, 8270D	T						

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.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-30346-1

SDG No.:

Batch Number: 96561 Batch Start Date: 12/19/12 09:30 Batch Analyst: Evers, David

Batch Method: 3546 Batch End Date: 12/19/12 15:32

Batch Notes	
Acetone Lot #	K41E20
Balance ID	14552245
Person's name who did the concentration	DLE
Final Concentrator Volume	1 mL
MeCL2 Lot #	0000026554
MeCl2/Acetone Lot #	0000026554/K41E20
Microwave Start Time	10:00
Microwave Stop Time	10:50
Na2SO4 Lot Number	27862008
Ottawa Sand Lot #	89090
Person's name who did the prep	DLE CM
Person who witnessed spiking	DLE

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 7199

Chromium, Hexavalent (IC) by Method 7199

FORM III
HPLC/IC LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Irvine Job No.: 480-30346-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: Info 2_TAIIRV167_Hex

Lab ID: LCS 440-76769/2-A Client ID:

COMPOUND	SPIKE ADDED (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC	QC LIMITS REC	#
Cr (VI)	15.9	11.9	75	65-110	

Column to be used to flag recovery and RPD values

FORM III 7199

FORM III
HPLC/IC LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Irvine Job No.: 480-30346-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: Info 2_TAIIRV167_Hex

Lab ID: LCS 440-77607/2-A Client ID:

COMPOUND	SPIKE ADDED (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC	QC LIMITS REC	#
Cr (VI)	15.9	13.6	86	65-110	

Column to be used to flag recovery and RPD values

FORM III 7199

FORM III
HPLC/IC MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Irvine Job No.: 480-30346-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: Info 2_TAIIRV167_Hex

Lab ID: 480-30346-1 MS Client ID: OC-SB-521-0.0/1.0-XXX MS

COMPOUND	SPIKE ADDED (mg/Kg)	SAMPLE CONCENTRATION (mg/Kg)	MS CONCENTRATION (mg/Kg)	MS % REC	QC LIMITS REC	#
Cr (VI)	90.3	ND	ND	0	55-110	F

Column to be used to flag recovery and RPD values

FORM III 7199

FORM III
HPLC/IC MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Irvine Job No.: 480-30346-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: Info 2_TAIIRV167_Hex

Lab ID: 480-30346-1 MSD Client ID: OC-SB-521-0.0/1.0-XXX MSD

COMPOUND	SPIKE ADDED (mg/Kg)	MSD CONCENTRATION (mg/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Cr (VI)	90.5	ND	0	NC	20	55-110	F

Column to be used to flag recovery and RPD values

FORM III 7199

FORM III
HPLC/IC MATRIX SPIKE INSOLUBLE RECOVERY

Lab Name: TestAmerica Irvine Job No.: 480-30346-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: Info 2_TAIIRV167_Hex

Lab ID: 480-30346-1 MSI Client ID: OC-SB-521-0.0/1.0-XXX MSI

COMPOUND	SPIKE ADDED (mg/Kg)	SAMPLE CONCENTRATION (mg/Kg)	MSI CONCENTRATION (mg/Kg)	MSI % REC	QC LIMITS REC	#
Cr (VI)	10000	ND	629	6	55-110	F

Column to be used to flag recovery and RPD values

FORM III 7199

FORM IV
HPLC/IC METHOD BLANK SUMMARY

Lab Name: TestAmerica Irvine Job No.: 480-30346-1

SDG No.:

Lab File ID: Info 2_TAIIRV167_Hex Lab Sample ID: MB 440-76769/1-A

Matrix: Solid Date Extracted: 01/03/2013 09:01

Instrument ID: IC-16 Date Analyzed: 01/03/2013 23:06

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 440-76769/2-A	Info 2_TAIIRV167_Hex Chrom_20130103-233201.d	01/03/2013 23:19
OC-SB-521-0.0/1.0-XXX	480-30346-1	Info 2_TAIIRV167_Hex Chrom_20130103-234440.d	01/03/2013 23:32
OC-SB-521-0.0/1.0-XXX MS	480-30346-1 MS	Info 2_TAIIRV167_Hex Chrom_20130103-235720.d	01/03/2013 23:44
OC-SB-521-0.0/1.0-XXX MSD	480-30346-1 MSD	Info 2_TAIIRV167_Hex Chrom_20130104-000959.d	01/03/2013 23:57
OC-SB-521-0.0/1.0-XXX MSI	480-30346-1 MSI	Info 2_TAIIRV167_Hex Chrom_20130104-002240.d	01/04/2013 00:10
OC-SB-521-8.0/10-XXX	480-30346-2	Info 2_TAIIRV167_Hex Chrom_20130104-003519.d	01/04/2013 00:22
OC-SB-519-0.0/1.0-XXX	480-30346-4	Info 2_TAIIRV167_Hex Chrom_20130104-010039.d	01/04/2013 00:48

FORM IV
HPLC/IC METHOD BLANK SUMMARY

Lab Name: TestAmerica Irvine Job No.: 480-30346-1

SDG No.:

Lab File ID: Info 2_TAIIRV167_Hex Lab Sample ID: MB 440-76769/1-A

Matrix: Solid Date Extracted: 01/03/2013 09:01

Instrument ID: IC-16 Date Analyzed: 01/03/2013 23:06

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
OC-SB-519-8.0/10-XXX	480-30346-5	Info 2_TAIIRV167_Hex Chrom_20130104-011318.d	01/04/2013 01:00
OC-SB-519-12/14-XXX	480-30346-6	Info 2_TAIIRV167_Hex Chrom_20130104-015117.d	01/04/2013 01:38
OC-SB-518-0.0/1.0-XXX	480-30346-7	Info 2_TAIIRV167_Hex Chrom_20130104-020356.d	01/04/2013 01:51
OC-SB-518-8.0/10-XXX	480-30346-8	Info 2_TAIIRV167_Hex Chrom_20130104-021636.d	01/04/2013 02:04
OC-SB-518-13/15-XXX	480-30346-9	Info 2_TAIIRV167_Hex Chrom_20130104-022915.d	01/04/2013 02:16

FORM IV
HPLC/IC METHOD BLANK SUMMARY

Lab Name: TestAmerica Irvine Job No.: 480-30346-1

SDG No.:

Lab File ID: Info 2_TAIIRV167_Hex Lab Sample ID: MB 440-77607/1-A

Matrix: Solid Date Extracted: 01/08/2013 11:55

Instrument ID: IC-16 Date Analyzed: 01/09/2013 08:29

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 440-77607/2-A	Info 2_TAIIRV167_Hex Chrom_20130109-085455.d	01/09/2013 08:42
OC-SB-509-0.0/1.0-XXX	480-30346-10	Info 2_TAIIRV167_Hex Chrom_20130109-092018.d	01/09/2013 09:07
OC-SB-521-16/18-XXX	480-30346-3	Info 2_TAIIRV167_Hex Chrom_20130109-121856.d	01/09/2013 12:06

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Irvine | Job No.: 480-30346-1

SDG No.:

Client Sample ID: OC-SB-521-0.0/1.0-XXX | Lab Sample ID: 480-30346-1

Matrix: Solid | Lab File ID: Info 2_TAIIRV167_Hex

Analysis Method: 7199 | Date Collected: 12/14/2012 08:10

Extraction Method: 3060A | Date Extracted: 01/03/2013 09:01

Sample wt/vol: 1.2552(g) | Date Analyzed: 01/03/2013 23:32

Con. Extract Vol.: 50(mL) | Dilution Factor: 1000

Injection Volume: 1(uL) | GC Column: AS7 ID: 4(mm)

% Moisture: 82.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 76762 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
18540-29-9	Cr (VI)	ND		110	85

TestAmerica Irvine
Target Compound Quantitation Report

Data File:	\\Irvchrom\ChromData\IC16\20130103-17001.b\Info 2_TAIIRV167_Hex Chrom_20130103-234440.d		
Lims ID:	480-30346-A-1-C	Client ID:	OC-SB-521-0.0/1.0-XXX
Inject. Date:	03-Jan-2013 23:32:00	Dil. Factor:	1000.0000
Sample Type:	Client		
Sample ID:	440-0017001-031		
Misc. Info.:	440-0017001-031		
Operator:	irvinorg	Instrument ID:	IC-16
Injection Vol:	1.0 ul	ALS Bottle#:	0
Lims Batch ID:	76762	Lims Sample ID:	31
Raw Data:	Smoothed		
Detector:	GC Info 2_TAIIRV167_Hex Chrom_20130103-234440		
Method:	\\Irvchrom\ChromData\IC16\20130103-17001.b\218.6_16.m		
Method Label:	HEX CHROME		
Last Update:	04-Jan-2013 00:34:24	Calib Date:	28-Dec-2012 10:27:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Irvchrom\ChromData\IC16\20121228-16809.b\Info 2_TAIIRV167_Hex Chrom_20121228-104026.d		
Limit Group:	IC-7199		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK018		

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags

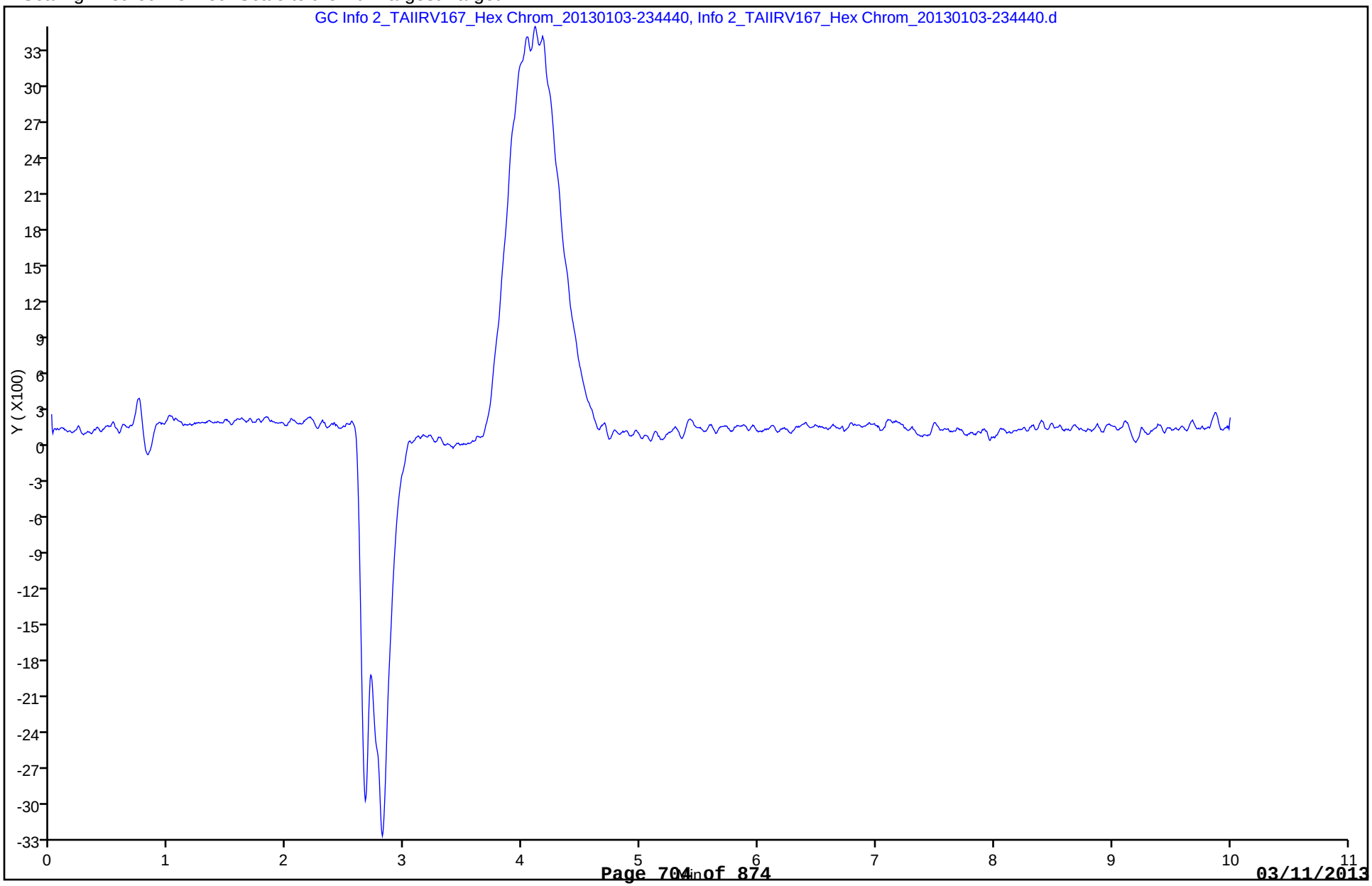
Report Date: 03-Jan-2013 23:54:01 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Irvine

Data File: \\Irvchrom\ChromData\IC16\20130103-17001.b\Info 2_TAIIRV167_Hex Chrom_20130103-234440.d

Injection Date:	03-Jan-2013 23:32:00	Limit Group:	IC-7199
Client ID:	OC-SB-521-0.0/1.0-XXX	Instrument ID:	IC-16
Lims Batch ID:	76762	Lims Sample ID:	31
Operator ID:	irvinorg	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

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



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Irvine
Job No.: 480-30346-1
SDG No.:
Client Sample ID: OC-SB-521-8.0/10-XXX
Lab Sample ID: 480-30346-2
Matrix: Solid
Lab File ID: Info 2_TAIIRV167_Hex
Analysis Method: 7199
Date Collected: 12/14/2012 08:20
Extraction Method: 3060A
Date Extracted: 01/03/2013 09:01
Sample wt/vol: 1.2548(g)
Date Analyzed: 01/04/2013 00:22
Con. Extract Vol.: 50(mL)
Dilution Factor: 10
Injection Volume: 1(uL)
GC Column: AS7 ID: 4(mm)
% Moisture: 20.1
GPC Cleanup:(Y/N) N
Analysis Batch No.: 76762
Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
18540-29-9	Cr (VI)	0.27		0.25	0.19

TestAmerica Irvine
Target Compound Quantitation Report

Data File:	\\Irvchrom\ChromData\IC16\20130103-17001.b\Info 2_TAIIRV167_Hex Chrom_20130104-003519.d		
Lims ID:	480-30346-A-2-C	Client ID:	OC-SB-521-8.0/10-XXX
Inject. Date:	04-Jan-2013 00:22:00	Dil. Factor:	10.0000
Sample Type:	Client		
Sample ID:	440-0017001-035		
Misc. Info.:	440-0017001-035		
Operator:	irvinorg	Instrument ID:	IC-16
Injection Vol:	1.0 ul	ALS Bottle#:	0
Lims Batch ID:	76762	Lims Sample ID:	35
Raw Data:	Smoothed		
Detector:	GC Info 2_TAIIRV167_Hex Chrom_20130104-003519		
Method:	\\Irvchrom\ChromData\IC16\20130103-17001.b\218.6_16.m		
Method Label:	HEX CHROME		
Last Update:	04-Jan-2013 06:23:52	Calib Date:	28-Dec-2012 10:27:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Irvchrom\ChromData\IC16\20121228-16809.b\Info 2_TAIIRV167_Hex Chrom_20121228-104026.d		
Limit Group:	IC-7199		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK009		

First Level Reviewer: nikbakhtm Date: 04-Jan-2013 06:26:04

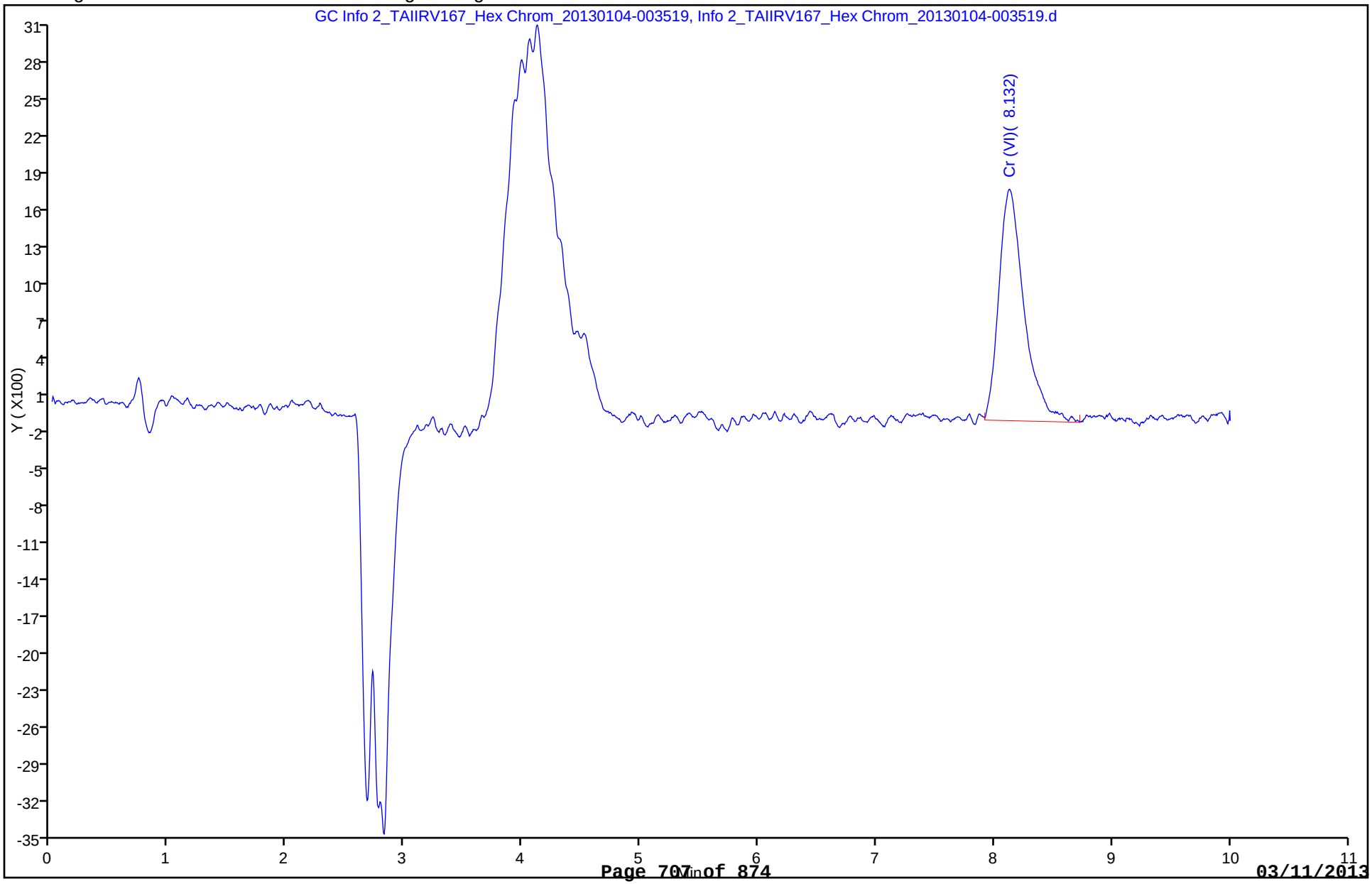
Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
1 Cr (VI)	8.132	8.262	-0.130	27716	0.5434	

Report Date: 04-Jan-2013 06:26:04 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Irvine

Data File:	\\Irvchrom\ChromData\IC16\20130103-17001.b\Info 2_TAIIRV167_Hex Chrom_20130104-003519.d		
Injection Date:	04-Jan-2013 00:22:00	Limit Group:	IC-7199
Client ID:	OC-SB-521-8.0/10-XXX	Instrument ID:	IC-16
Lims Batch ID:	76762	Lims Sample ID:	35
Operator ID:	irvinorg	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

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



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Irvine
Job No.: 480-30346-1
SDG No.:
Client Sample ID: OC-SB-521-16/18-XXX
Lab Sample ID: 480-30346-3
Matrix: Solid
Lab File ID: Info 2_TAIIRV167_Hex
Analysis Method: 7199
Date Collected: 12/14/2012 08:45
Extraction Method: 3060A
Date Extracted: 01/08/2013 11:55
Sample wt/vol: 1.25(g)
Date Analyzed: 01/09/2013 12:06
Con. Extract Vol.: 50(mL)
Dilution Factor: 100
Injection Volume: 1(uL)
GC Column: AS7 ID: 4(mm)
% Moisture: 17.7
GPC Cleanup:(Y/N) N
Analysis Batch No.: 77774
Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
18540-29-9	Cr (VI)	48		2.4	1.8

TestAmerica Irvine
Target Compound Quantitation Report

Data File:	\\Irvchrom\ChromData\IC16\20130109-17250.b\Info 2_TAIIRV167_Hex Chrom_20130109-121856.d		
Lims ID:	480-30346-A-3-D	Client ID:	OC-SB-521-16/18-XXX
Inject. Date:	09-Jan-2013 12:06:00	Dil. Factor:	100.0000
Sample Type:	Client		
Sample ID:	440-0017250-026		
Misc. Info.:	440-0017250-026		
Operator:	irvinorg	Instrument ID:	IC-16
Injection Vol:	1.0 ul	ALS Bottle#:	0
Lims Batch ID:	77774	Lims Sample ID:	26
Raw Data:	Smoothed		
Detector:	GC Info 2_TAIIRV167_Hex Chrom_20130109-121856		
Method:	\\Irvchrom\ChromData\IC16\20130109-17250.b\218.6_16.m		
Method Label:	HEX CHROME		
Last Update:	09-Jan-2013 12:49:26	Calib Date:	28-Dec-2012 10:27:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Irvchrom\ChromData\IC16\20121228-16809.b\Info 2_TAIIRV167_Hex Chrom_20121228-104026.d		
Limit Group:	IC-7199		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK028		

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
1 Cr (VI)	8.215	8.262	-0.047	382816	9.95	

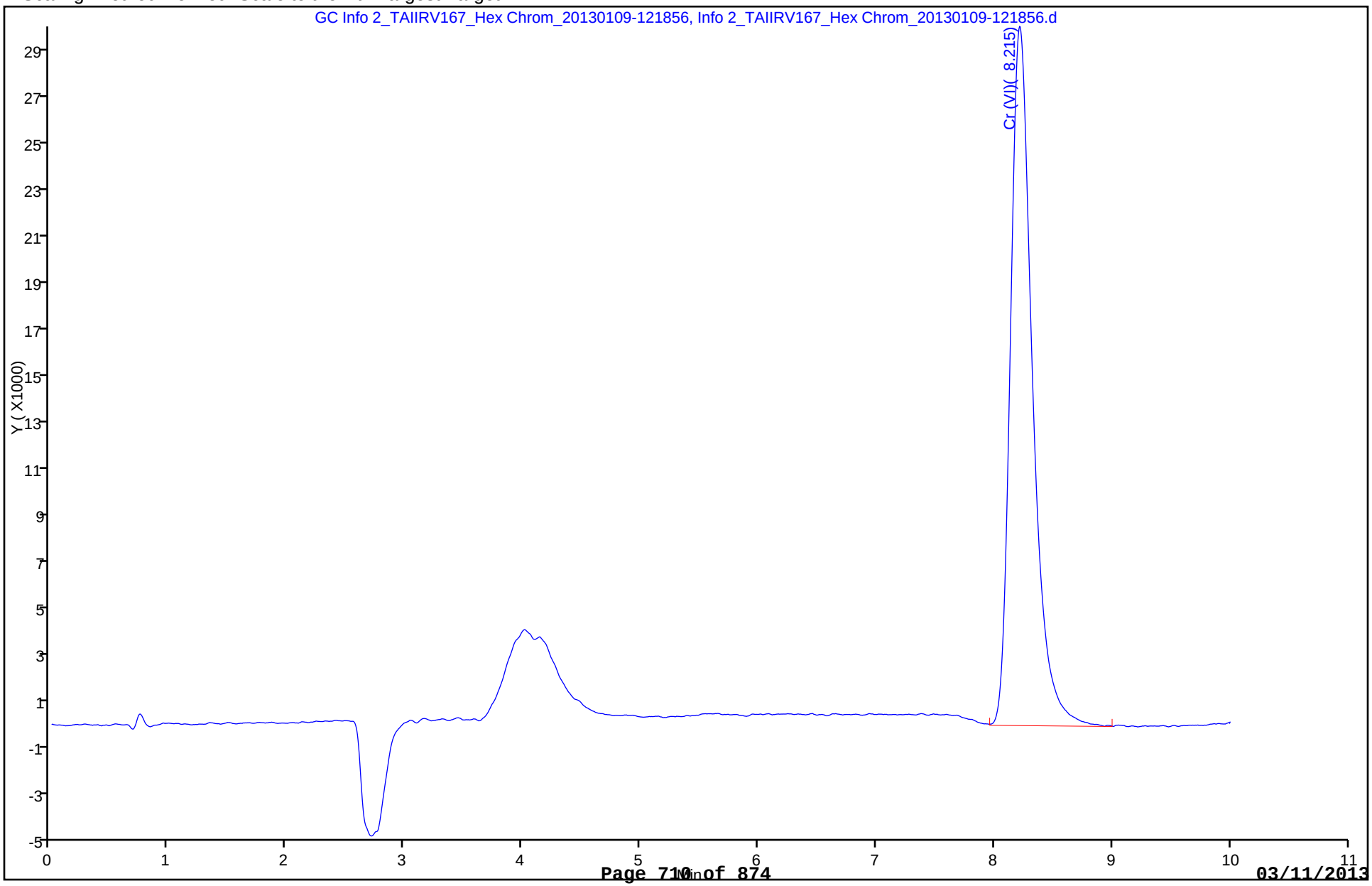
Report Date: 09-Jan-2013 12:49:28 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Irvine

Data File: \\Irvchrom\ChromData\IC16\20130109-17250.b\Info 2_TAIIRV167_Hex Chrom_20130109-121856.d

Injection Date:	09-Jan-2013 12:06:00	Limit Group:	IC-7199
Client ID:	OC-SB-521-16/18-XXX	Instrument ID:	IC-16
Lims Batch ID:	77774	Lims Sample ID:	26
Operator ID:	irvinorg	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

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



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Irvine
Job No.: 480-30346-1
SDG No.:
Client Sample ID: OC-SB-519-0.0/1.0-XXX
Lab Sample ID: 480-30346-4
Matrix: Solid
Lab File ID: Info 2_TAIIRV167_Hex
Analysis Method: 7199
Date Collected: 12/14/2012 09:00
Extraction Method: 3060A
Date Extracted: 01/03/2013 09:01
Sample wt/vol: 1.2549(g)
Date Analyzed: 01/04/2013 00:48
Con. Extract Vol.: 50(mL)
Dilution Factor: 1000
Injection Volume: 1(uL)
GC Column: AS7 ID: 4(mm)
% Moisture: 33.8
GPC Cleanup:(Y/N) N
Analysis Batch No.: 76762
Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
18540-29-9	Cr (VI)	ND		30	23

TestAmerica Irvine
Target Compound Quantitation Report

Data File:	\\Irvchrom\ChromData\IC16\20130103-17001.b\Info 2_TAIIRV167_Hex Chrom_20130104-010039.d		
Lims ID:	480-30346-A-4-C	Client ID:	OC-SB-519-0.0/1.0-XXX
Inject. Date:	04-Jan-2013 00:48:00	Dil. Factor:	1000.0000
Sample Type:	Client		
Sample ID:	440-0017001-037		
Misc. Info.:	440-0017001-037		
Operator:	irvinorg	Instrument ID:	IC-16
Injection Vol:	1.0 ul	ALS Bottle#:	0
Lims Batch ID:	76762	Lims Sample ID:	37
Raw Data:	Smoothed		
Detector:	GC Info 2_TAIIRV167_Hex Chrom_20130104-010039		
Method:	\\Irvchrom\ChromData\IC16\20130103-17001.b\218.6_16.m		
Method Label:	HEX CHROME		
Last Update:	04-Jan-2013 06:23:52	Calib Date:	28-Dec-2012 10:27:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Irvchrom\ChromData\IC16\20121228-16809.b\Info 2_TAIIRV167_Hex Chrom_20121228-104026.d		
Limit Group:	IC-7199		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK009		

First Level Reviewer: nikbakhtm Date: 04-Jan-2013 06:26:30

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags

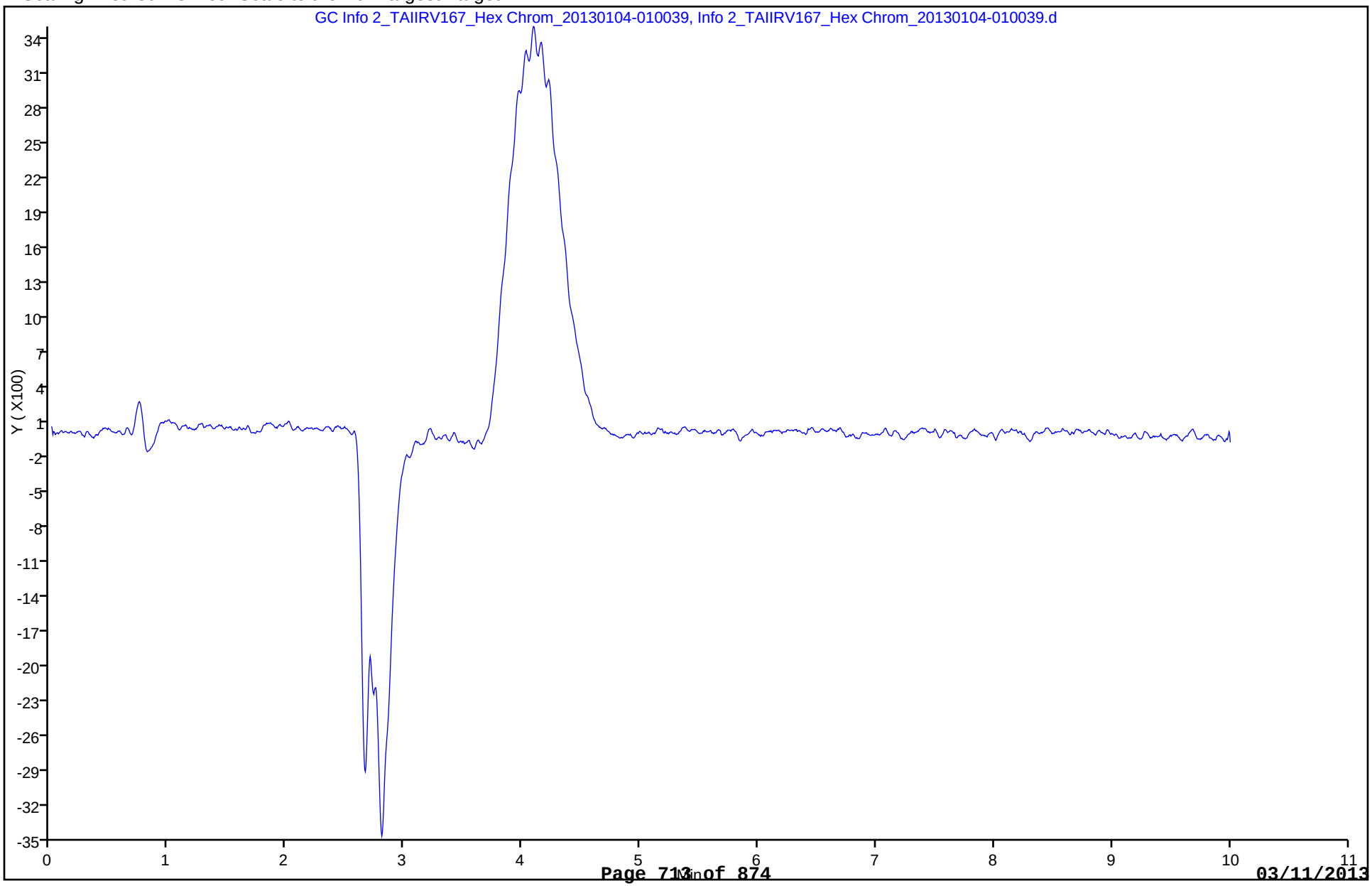
Report Date: 04-Jan-2013 06:26:31 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Irvine

Data File: \\Irvchrom\ChromData\IC16\20130103-17001.b\Info 2_TAIIRV167_Hex Chrom_20130104-010039.d

Injection Date:	04-Jan-2013 00:48:00	Limit Group:	IC-7199
Client ID:	OC-SB-519-0.0/1.0-XXX	Instrument ID:	IC-16
Lims Batch ID:	76762	Lims Sample ID:	37
Operator ID:	irvinorg	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

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



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Irvine
Job No.: 480-30346-1
SDG No.:
Client Sample ID: OC-SB-519-8.0/10-XXX
Lab Sample ID: 480-30346-5
Matrix: Solid
Lab File ID: Info 2_TAIIRV167_Hex
Analysis Method: 7199
Date Collected: 12/14/2012 09:20
Extraction Method: 3060A
Date Extracted: 01/03/2013 09:01
Sample wt/vol: 1.2520(g)
Date Analyzed: 01/04/2013 01:00
Con. Extract Vol.: 50(mL)
Dilution Factor: 10
Injection Volume: 1(uL)
GC Column: AS7 ID: 4(mm)
% Moisture: 24.1
GPC Cleanup:(Y/N) N
Analysis Batch No.: 76762
Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
18540-29-9	Cr (VI)	0.29		0.26	0.20

TestAmerica Irvine
Target Compound Quantitation Report

Data File:	\\Irvchrom\ChromData\IC16\20130103-17001.b\Info 2_TAIIRV167_Hex Chrom_20130104-011318.d		
Lims ID:	480-30346-A-5-C	Client ID:	OC-SB-519-8.0/10-XXX
Inject. Date:	04-Jan-2013 01:00:00	Dil. Factor:	10.0000
Sample Type:	Client		
Sample ID:	440-0017001-038		
Misc. Info.:	440-0017001-038		
Operator:	irvinorg	Instrument ID:	IC-16
Injection Vol:	1.0 ul	ALS Bottle#:	0
Lims Batch ID:	76762	Lims Sample ID:	38
Raw Data:	Smoothed		
Detector:	GC Info 2_TAIIRV167_Hex Chrom_20130104-011318		
Method:	\\Irvchrom\ChromData\IC16\20130103-17001.b\218.6_16.m		
Method Label:	HEX CHROME		
Last Update:	04-Jan-2013 06:23:52	Calib Date:	28-Dec-2012 10:27:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Irvchrom\ChromData\IC16\20121228-16809.b\Info 2_TAIIRV167_Hex Chrom_20121228-104026.d		
Limit Group:	IC-7199		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK009		

First Level Reviewer: nikbakhtm Date: 04-Jan-2013 06:26:42

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
1 Cr (VI)	8.138	8.262	-0.124	27882	0.5478	

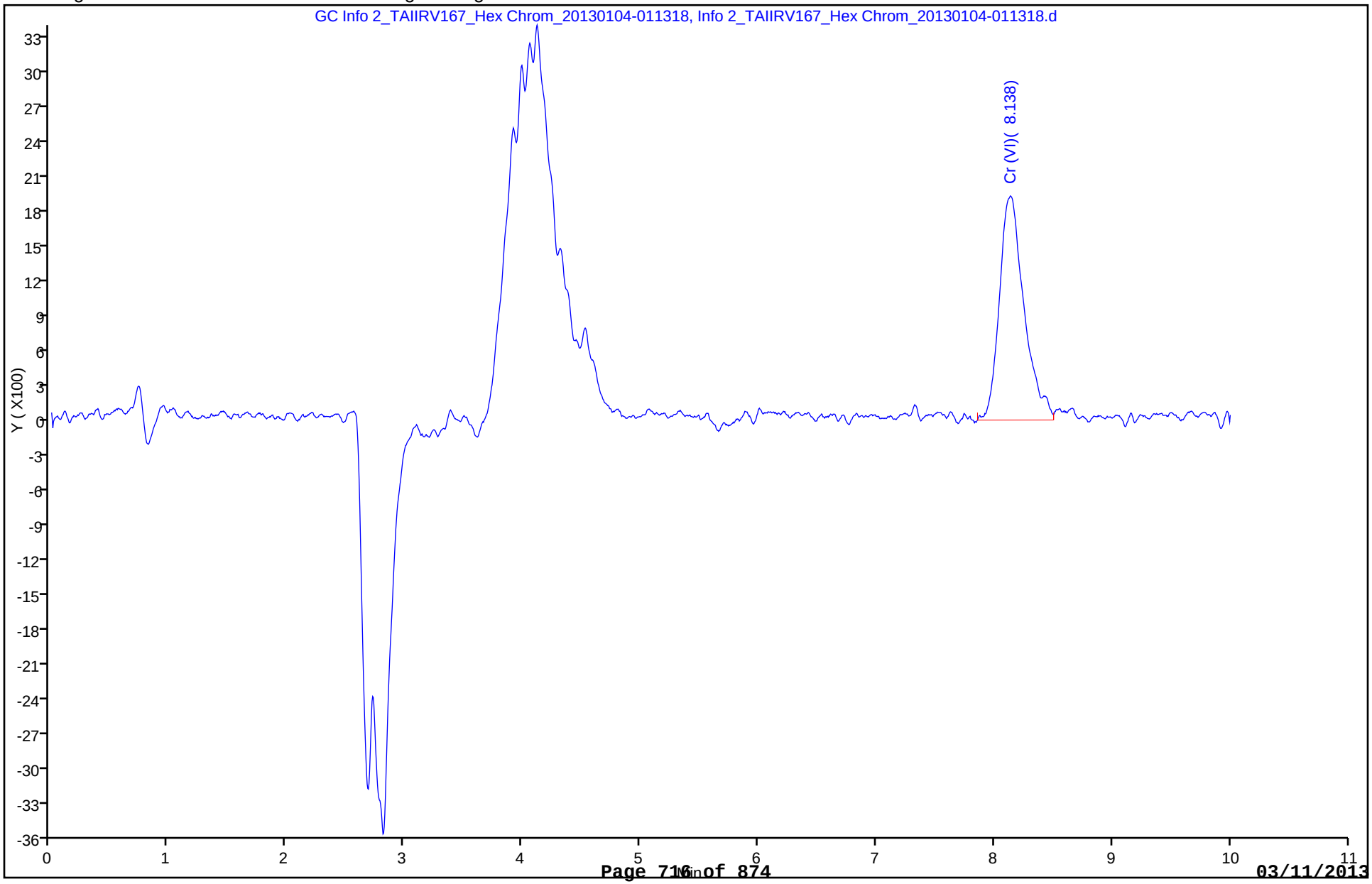
Report Date: 04-Jan-2013 06:26:43 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Irvine

Data File: \\Irvchrom\ChromData\IC16\20130103-17001.b\Info 2_TAIIRV167_Hex Chrom_20130104-011318.d

Injection Date:	04-Jan-2013 01:00:00	Limit Group:	IC-7199
Client ID:	OC-SB-519-8.0/10-XXX	Instrument ID:	IC-16
Lims Batch ID:	76762	Lims Sample ID:	38
Operator ID:	irvinorg	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

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



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Irvine | Job No.: 480-30346-1

SDG No.:

Client Sample ID: OC-SB-519-12/14-XXX | Lab Sample ID: 480-30346-6

Matrix: Solid | Lab File ID: Info 2_TAIIRV167_Hex

Analysis Method: 7199 | Date Collected: 12/14/2012 09:40

Extraction Method: 3060A | Date Extracted: 01/03/2013 09:01

Sample wt/vol: 1.2516(g) | Date Analyzed: 01/04/2013 01:38

Con. Extract Vol.: 50(mL) | Dilution Factor: 10

Injection Volume: 1(uL) | GC Column: AS7 ID: 4(mm)

% Moisture: 21.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 76762 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
18540-29-9	Cr (VI)	2.2		0.26	0.19

TestAmerica Irvine
Target Compound Quantitation Report

Data File:	\\Irvchrom\ChromData\IC16\20130103-17001.b\Info 2_TAIIRV167_Hex Chrom_20130104-015117.d		
Lims ID:	480-30346-A-6-C	Client ID:	OC-SB-519-12/14-XXX
Inject. Date:	04-Jan-2013 01:38:00	Dil. Factor:	10.0000
Sample Type:	Client		
Sample ID:	440-0017001-041		
Misc. Info.:	440-0017001-041		
Operator:	irvinorg	Instrument ID:	IC-16
Injection Vol:	1.0 ul	ALS Bottle#:	0
Lims Batch ID:	76762	Lims Sample ID:	41
Raw Data:	Smoothed		
Detector:	GC Info 2_TAIIRV167_Hex Chrom_20130104-015117		
Method:	\\Irvchrom\ChromData\IC16\20130103-17001.b\218.6_16.m		
Method Label:	HEX CHROME		
Last Update:	04-Jan-2013 06:27:18	Calib Date:	28-Dec-2012 10:27:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Irvchrom\ChromData\IC16\20121228-16809.b\Info 2_TAIIRV167_Hex Chrom_20121228-104026.d		
Limit Group:	IC-7199		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK009		

First Level Reviewer: nikbakhtm Date: 04-Jan-2013 06:28:03

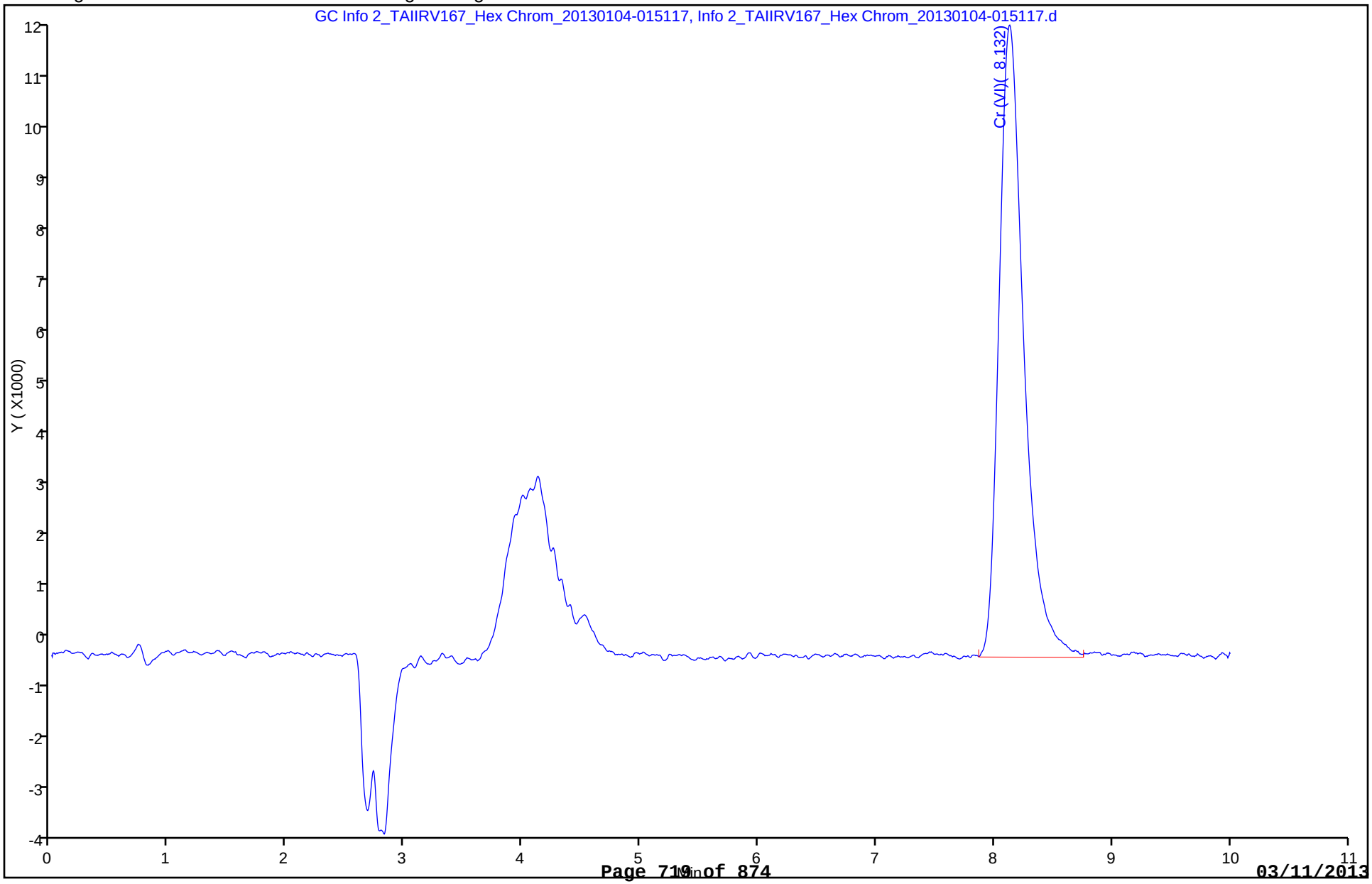
Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
1 Cr (VI)	8.132	8.262	-0.130	173674	4.41	

Report Date: 04-Jan-2013 06:28:03 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Irvine

Data File:	\\Irvchrom\ChromData\IC16\20130103-17001.b\Info 2_TAIIRV167_Hex Chrom_20130104-015117.d		
Injection Date:	04-Jan-2013 01:38:00	Limit Group:	IC-7199
Client ID:	OC-SB-519-12/14-XXX	Instrument ID:	IC-16
Lims Batch ID:	76762	Lims Sample ID:	41
Operator ID:	irvinorg	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

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



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Irvine
Job No.: 480-30346-1
SDG No.:
Client Sample ID: OC-SB-518-0.0/1.0-XXX
Lab Sample ID: 480-30346-7
Matrix: Solid
Lab File ID: Info 2_TAIIRV167_Hex
Analysis Method: 7199
Date Collected: 12/14/2012 09:55
Extraction Method: 3060A
Date Extracted: 01/03/2013 09:01
Sample wt/vol: 1.2527(g)
Date Analyzed: 01/04/2013 01:51
Con. Extract Vol.: 50(mL)
Dilution Factor: 1000
Injection Volume: 1(uL)
GC Column: AS7 ID: 4(mm)
% Moisture: 28.7
GPC Cleanup:(Y/N) N
Analysis Batch No.: 76762
Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
18540-29-9	Cr (VI)	ND		28	21

TestAmerica Irvine
Target Compound Quantitation Report

Data File:	\\Irvchrom\ChromData\IC16\20130103-17001.b\Info 2_TAIIRV167_Hex Chrom_20130104-020356.d		
Lims ID:	480-30346-A-7-C	Client ID:	OC-SB-518-0.0/1.0-XXX
Inject. Date:	04-Jan-2013 01:51:00	Dil. Factor:	1000.0000
Sample Type:	Client		
Sample ID:	440-0017001-042		
Misc. Info.:	440-0017001-042		
Operator:	irvinorg	Instrument ID:	IC-16
Injection Vol:	1.0 ul	ALS Bottle#:	0
Lims Batch ID:	76762	Lims Sample ID:	42
Raw Data:	Smoothed		
Detector:	GC Info 2_TAIIRV167_Hex Chrom_20130104-020356		
Method:	\\Irvchrom\ChromData\IC16\20130103-17001.b\218.6_16.m		
Method Label:	HEX CHROME		
Last Update:	04-Jan-2013 06:27:18	Calib Date:	28-Dec-2012 10:27:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Irvchrom\ChromData\IC16\20121228-16809.b\Info 2_TAIIRV167_Hex Chrom_20121228-104026.d		
Limit Group:	IC-7199		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK009		

First Level Reviewer: nikbakhtm Date: 04-Jan-2013 06:28:10

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags

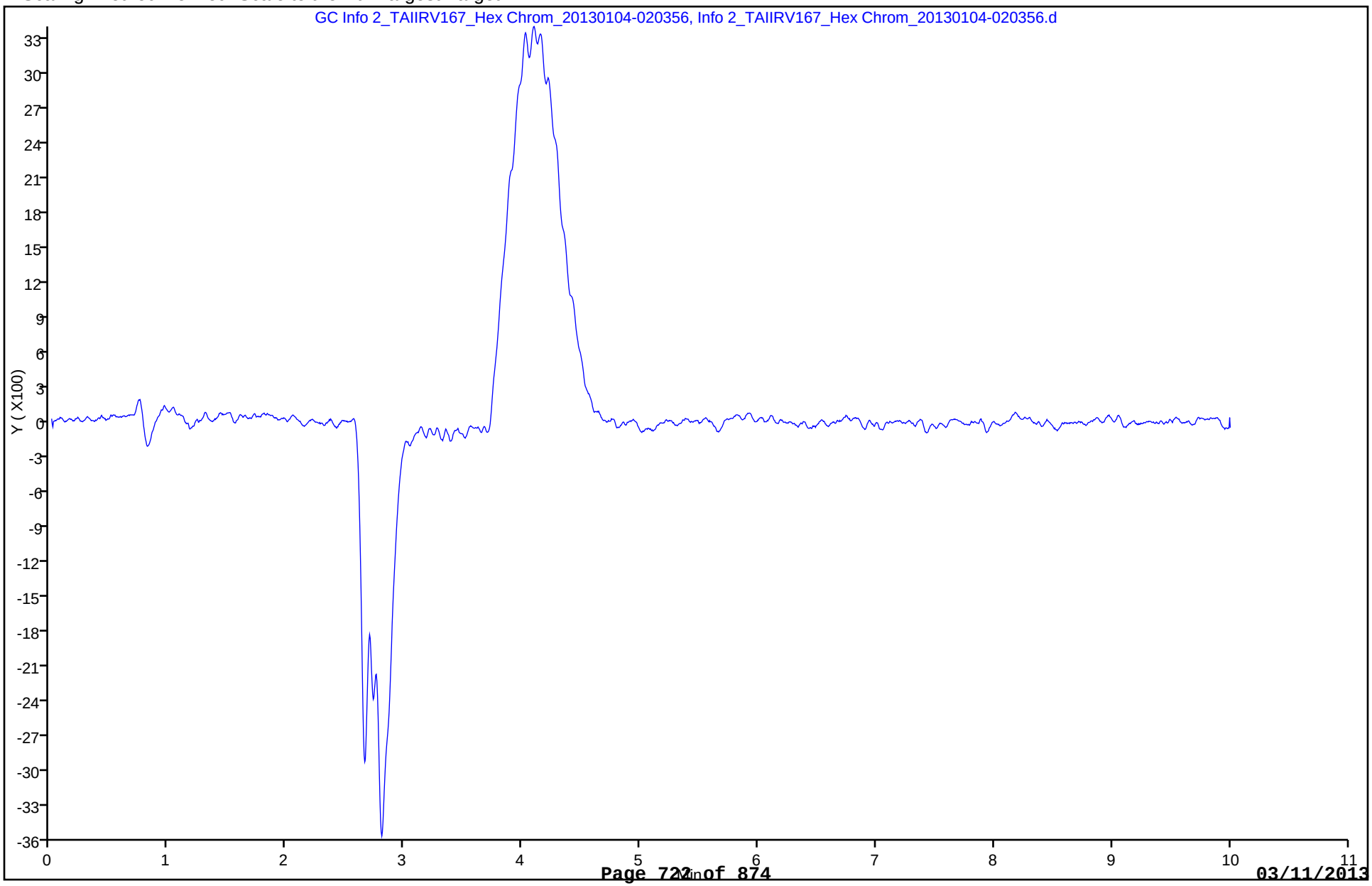
Report Date: 04-Jan-2013 06:28:10 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Irvine

Data File: \\Irvchrom\ChromData\IC16\20130103-17001.b\Info 2_TAIIRV167_Hex Chrom_20130104-020356.d

Injection Date:	04-Jan-2013 01:51:00	Limit Group:	IC-7199
Client ID:	OC-SB-518-0.0/1.0-XXX	Instrument ID:	IC-16
Lims Batch ID:	76762	Lims Sample ID:	42
Operator ID:	irvinorg	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

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



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Irvine
Job No.: 480-30346-1
SDG No.:
Client Sample ID: OC-SB-518-8.0/10-XXX
Lab Sample ID: 480-30346-8
Matrix: Solid
Lab File ID: Info 2_TAIIRV167_Hex
Analysis Method: 7199
Date Collected: 12/14/2012 10:05
Extraction Method: 3060A
Date Extracted: 01/03/2013 09:01
Sample wt/vol: 1.2510(g)
Date Analyzed: 01/04/2013 02:04
Con. Extract Vol.: 50(mL)
Dilution Factor: 10
Injection Volume: 1(uL)
GC Column: AS7 ID: 4(mm)
% Moisture: 21.0
GPC Cleanup:(Y/N) N
Analysis Batch No.: 76762
Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
18540-29-9	Cr (VI)	ND		0.25	0.19

TestAmerica Irvine
Target Compound Quantitation Report

Data File:	\\Irvchrom\ChromData\IC16\20130103-17001.b\Info 2_TAIIRV167_Hex Chrom_20130104-021636.d		
Lims ID:	480-30346-A-8-C	Client ID:	OC-SB-518-8.0/10-XXX
Inject. Date:	04-Jan-2013 02:04:00	Dil. Factor:	10.0000
Sample Type:	Client		
Sample ID:	440-0017001-043		
Misc. Info.:	440-0017001-043		
Operator:	irvinorg	Instrument ID:	IC-16
Injection Vol:	1.0 ul	ALS Bottle#:	0
Lims Batch ID:	76762	Lims Sample ID:	43
Raw Data:	Smoothed		
Detector:	GC Info 2_TAIIRV167_Hex Chrom_20130104-021636		
Method:	\\Irvchrom\ChromData\IC16\20130103-17001.b\218.6_16.m		
Method Label:	HEX CHROME		
Last Update:	04-Jan-2013 06:27:18	Calib Date:	28-Dec-2012 10:27:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Irvchrom\ChromData\IC16\20121228-16809.b\Info 2_TAIIRV167_Hex Chrom_20121228-104026.d		
Limit Group:	IC-7199		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK009		

First Level Reviewer: nikbakhtm Date: 04-Jan-2013 06:28:17

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
1 Cr (VI)	8.132	8.262	-0.130	17787	0.2804	

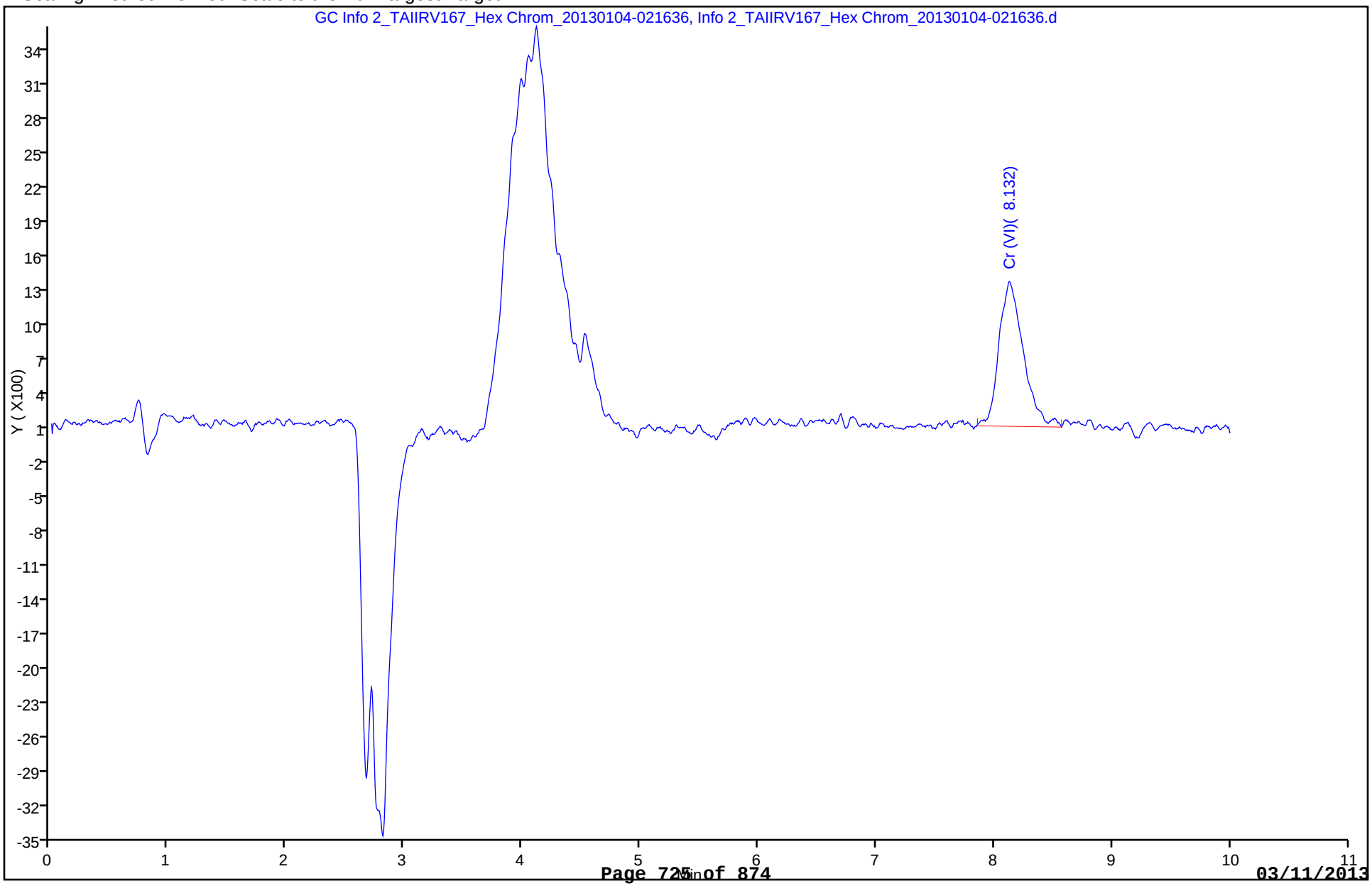
Report Date: 04-Jan-2013 06:28:17 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Irvine

Data File: \\Irvchrom\ChromData\IC16\20130103-17001.b\Info 2_TAIIRV167_Hex Chrom_20130104-021636.d

Injection Date:	04-Jan-2013 02:04:00	Limit Group:	IC-7199
Client ID:	OC-SB-518-8.0/10-XXX	Instrument ID:	IC-16
Lims Batch ID:	76762	Lims Sample ID:	43
Operator ID:	irvinorg	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

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



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Irvine
Job No.: 480-30346-1
SDG No.:
Client Sample ID: OC-SB-518-13/15-XXX
Lab Sample ID: 480-30346-9
Matrix: Solid
Lab File ID: Info 2_TAIIRV167_Hex
Analysis Method: 7199
Date Collected: 12/14/2012 10:15
Extraction Method: 3060A
Date Extracted: 01/03/2013 09:01
Sample wt/vol: 1.2559(g)
Date Analyzed: 01/04/2013 02:16
Con. Extract Vol.: 50(mL)
Dilution Factor: 10
Injection Volume: 1(uL)
GC Column: AS7 ID: 4(mm)
% Moisture: 19.5
GPC Cleanup:(Y/N) N
Analysis Batch No.: 76762
Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
18540-29-9	Cr (VI)	36		0.25	0.19

TestAmerica Irvine
Target Compound Quantitation Report

Data File:	\\Irvchrom\ChromData\IC16\20130103-17001.b\Info 2_TAIIRV167_Hex Chrom_20130104-022915.d		
Lims ID:	480-30346-A-9-C	Client ID:	OC-SB-518-13/15-XXX
Inject. Date:	04-Jan-2013 02:16:00	Dil. Factor:	10.0000
Sample Type:	Client		
Sample ID:	440-0017001-044		
Misc. Info.:	440-0017001-044		
Operator:	irvinorg	Instrument ID:	IC-16
Injection Vol:	1.0 ul	ALS Bottle#:	0
Lims Batch ID:	76762	Lims Sample ID:	44
Raw Data:	Smoothed		
Detector:	GC Info 2_TAIIRV167_Hex Chrom_20130104-022915		
Method:	\\Irvchrom\ChromData\IC16\20130103-17001.b\218.6_16.m		
Method Label:	HEX CHROME		
Last Update:	04-Jan-2013 06:27:18	Calib Date:	28-Dec-2012 10:27:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Irvchrom\ChromData\IC16\20121228-16809.b\Info 2_TAIIRV167_Hex Chrom_20121228-104026.d		
Limit Group:	IC-7199		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK009		

First Level Reviewer: nikbakhtm Date: 04-Jan-2013 06:28:27

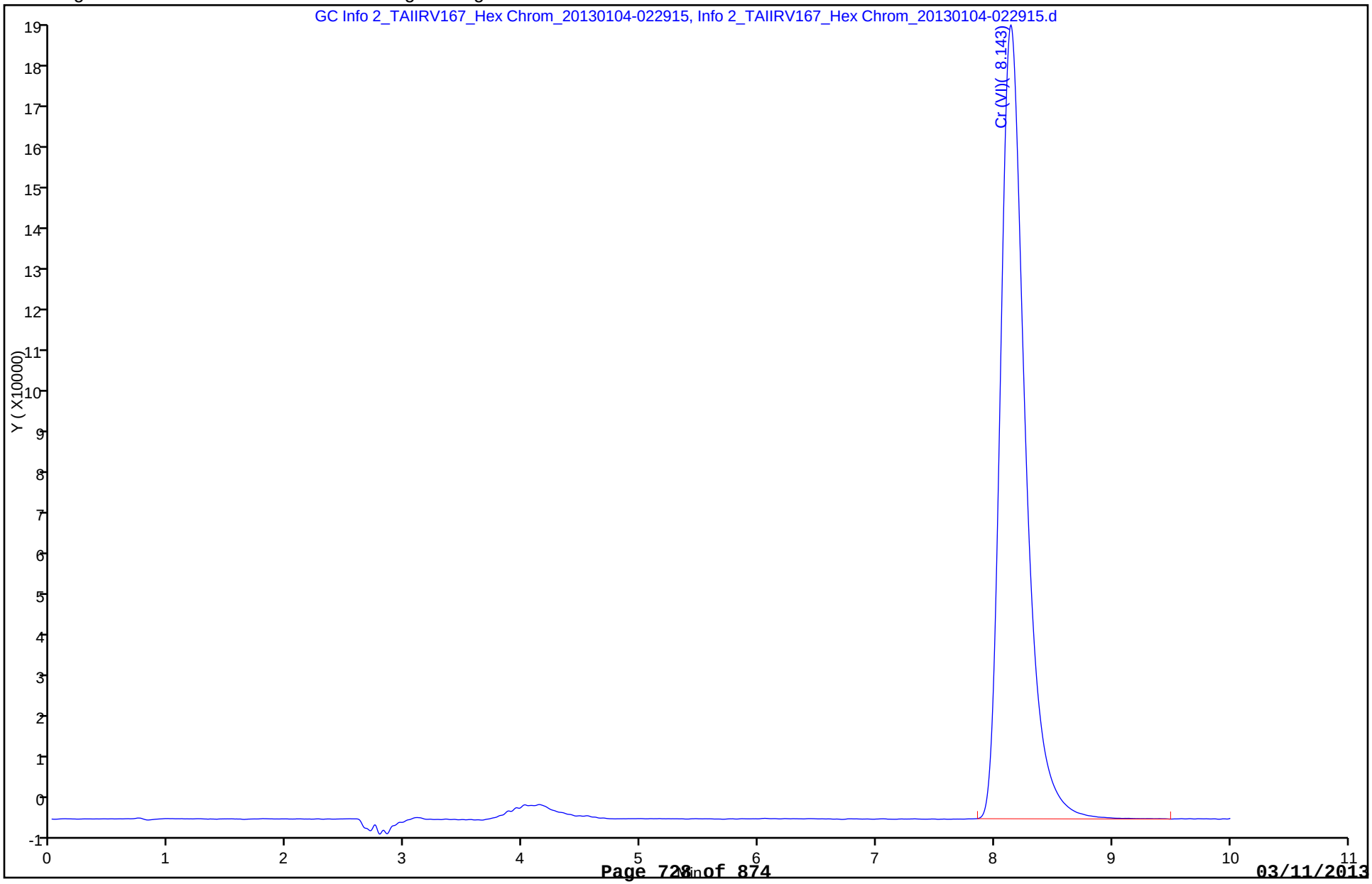
Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
1 Cr (VI)	8.143	8.262	-0.119	2763797	73.0	

Report Date: 04-Jan-2013 06:28:28 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Irvine

Data File:	\\Irvchrom\ChromData\IC16\20130103-17001.b\Info 2_TAIIRV167_Hex Chrom_20130104-022915.d		
Injection Date:	04-Jan-2013 02:16:00	Limit Group:	IC-7199
Client ID:	OC-SB-518-13/15-XXX	Instrument ID:	IC-16
Lims Batch ID:	76762	Lims Sample ID:	44
Operator ID:	irvinorg	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

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



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Irvine
Job No.: 480-30346-1
SDG No.:
Client Sample ID: OC-SB-509-0.0/1.0-XXX
Lab Sample ID: 480-30346-10
Matrix: Solid
Lab File ID: Info 2_TAIIRV167_Hex
Analysis Method: 7199
Date Collected: 12/14/2012 10:45
Extraction Method: 3060A
Date Extracted: 01/08/2013 11:55
Sample wt/vol: 1.24(g)
Date Analyzed: 01/09/2013 09:07
Con. Extract Vol.: 50(mL)
Dilution Factor: 1000
Injection Volume: 1(uL)
GC Column: AS7 ID: 4(mm)
% Moisture: 25.3
GPC Cleanup:(Y/N) N
Analysis Batch No.: 77774
Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
18540-29-9	Cr (VI)	ND		27	20

TestAmerica Irvine
Target Compound Quantitation Report

Data File:	\\Irvchrom\ChromData\IC16\20130109-17250.b\Info 2_TAIIRV167_Hex Chrom_20130109-092018.d		
Lims ID:	480-30346-A-10-F	Client ID:	OC-SB-509-0.0/1.0-XXX
Inject. Date:	09-Jan-2013 09:07:00	Dil. Factor:	1000.0000
Sample Type:	Client		
Sample ID:	440-0017250-018		
Misc. Info.:	440-0017250-018		
Operator:	irvinorg	Instrument ID:	IC-16
Injection Vol:	1.0 ul	ALS Bottle#:	0
Lims Batch ID:	77774	Lims Sample ID:	18
Raw Data:	Smoothed		
Detector:	GC Info 2_TAIIRV167_Hex Chrom_20130109-092018		
Method:	\\Irvchrom\ChromData\IC16\20130109-17250.b\218.6_16.m		
Method Label:	HEX CHROME		
Last Update:	09-Jan-2013 12:49:18	Calib Date:	28-Dec-2012 10:27:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Irvchrom\ChromData\IC16\20121228-16809.b\Info 2_TAIIRV167_Hex Chrom_20121228-104026.d		
Limit Group:	IC-7199		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK028		

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags

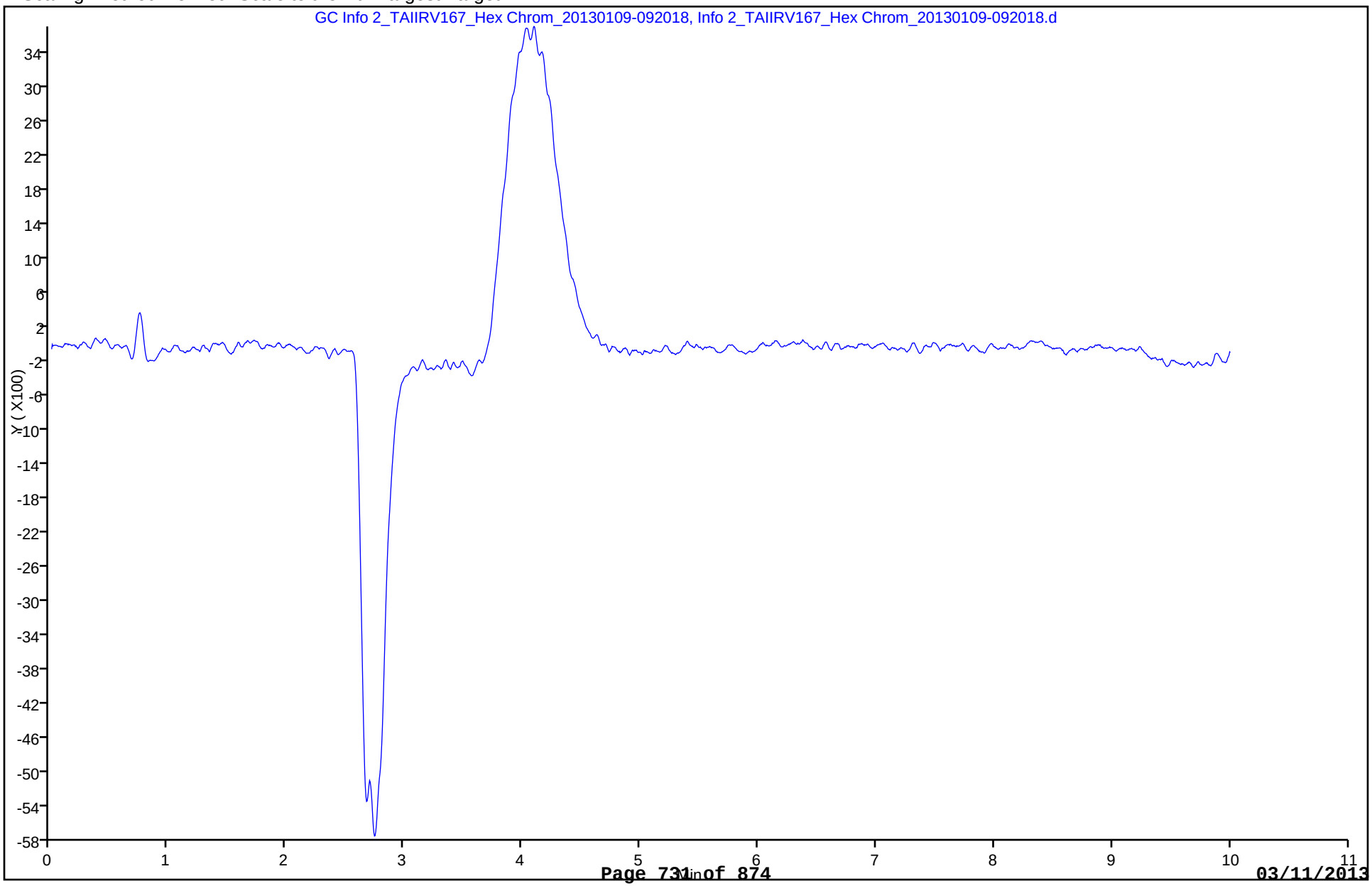
Report Date: 09-Jan-2013 12:49:22 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Irvine

Data File: \\Irvchrom\ChromData\IC16\20130109-17250.b\Info 2_TAIIRV167_Hex Chrom_20130109-092018.d

Injection Date:	09-Jan-2013 09:07:00	Limit Group:	IC-7199
Client ID:	OC-SB-509-0.0/1.0-XXX	Instrument ID:	IC-16
Lims Batch ID:	77774	Lims Sample ID:	18
Operator ID:	irvinorg	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

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



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

Lab Name: TestAmerica Irvine Job No.: 480-30346-1 Analy Batch No.: 75938

SDG No.:

Instrument ID: IC-16 GC Column: AS7 ID: 4(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/28/2012 08:59 Calibration End Date: 12/28/2012 10:27 Calibration ID: 3821

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD2 440-75938/21	Info 2_TAIIRV167_Hex
Level 2	STD3 440-75938/22	Info 2_TAIIRV167_Hex
Level 3	STD4 440-75938/23	Info 2_TAIIRV167_Hex
Level 4	STD5 440-75938/24	Info 2_TAIIRV167_Hex
Level 5	STD6 440-75938/25	Info 2_TAIIRV167_Hex
Level 6	STD7 440-75938/26	Info 2_TAIIRV167_Hex
Level 7	STD8 440-75938/27	Info 2_TAIIRV167_Hex

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 7				RT WINDOW	AVG RT
Cr (VI)	8.262	8.277	8.277	8.272	8.282	8.272	8.293				7.848 - 8.675	8.276

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

Lab Name: TestAmerica Irvine Job No.: 480-30346-1 Analy Batch No.: 75938

SDG No.:

Instrument ID: IC-16 GC Column: AS7 ID: 4(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/28/2012 08:59 Calibration End Date: 12/28/2012 10:27 Calibration ID: 3821

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD2 440-75938/21	Info 2_TAIIRV167_Hex
Level 2	STD3 440-75938/22	Info 2_TAIIRV167_Hex
Level 3	STD4 440-75938/23	Info 2_TAIIRV167_Hex
Level 4	STD5 440-75938/24	Info 2_TAIIRV167_Hex
Level 5	STD6 440-75938/25	Info 2_TAIIRV167_Hex
Level 6	STD7 440-75938/26	Info 2_TAIIRV167_Hex
Level 7	STD8 440-75938/27	Info 2_TAIIRV167_Hex

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		B	M1	M2								
Cr (VI)	48390 37862	38198 38052	39677 37687	38244	Lin	7203.50272	37748.5571							1.0000		0.9990

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 Irvine Job No.: 480-30346-1 Analy Batch No.: 75938

SDG No.:

Instrument ID: IC-16 GC Column: AS7 ID: 4(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/28/2012 08:59 Calibration End Date: 12/28/2012 10:27 Calibration ID: 3821

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD2 440-75938/21	Info 2_TAIIRV167_Hex
Level 2	STD3 440-75938/22	Info 2_TAIIRV167_Hex
Level 3	STD4 440-75938/23	Info 2_TAIIRV167_Hex
Level 4	STD5 440-75938/24	Info 2_TAIIRV167_Hex
Level 5	STD6 440-75938/25	Info 2_TAIIRV167_Hex
Level 6	STD7 440-75938/26	Info 2_TAIIRV167_Hex
Level 7	STD8 440-75938/27	Info 2_TAIIRV167_Hex

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Cr (VI)	Lin	14517 2853900	38198 3768733	396772	956106	1893100	0.300 75.0	1.00 100	10.0	25.0	50.0

Curve Type Legend:

Lin = Linear

TestAmerica Irvine
Target Compound Quantitation Report

Data File:	\\Irvchrom\ChromData\IC16\20121228-16809.b\Info 2_TAIIRV167_Hex Chrom_20121228-092425.d		
Lims ID:	STD2	Client ID:	
Inject. Date:	28-Dec-2012 09:11:00	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	440-0016809-021		
Misc. Info.:	440-0016809-021		
Operator:	irvinorg	Instrument ID:	IC-16
Injection Vol:	1.0 ul	ALS Bottle#:	0
Lims Batch ID:	75938	Lims Sample ID:	21
Sublist:	chrom-218.6_16*sub1		
Raw Data:	Smoothed		
Detector:	GC Info 2_TAIIRV167_Hex Chrom_20121228-092425		
Method:	\\Irvchrom\ChromData\IC16\20121228-16809.b\218.6_16.m		
Method Label:	HEX CHROME		
Last Update:	28-Dec-2012 11:08:06	Calib Date:	28-Dec-2012 10:27:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Irvchrom\ChromData\IC16\20121228-16809.b\Info 2_TAIIRV167_Hex Chrom_20121228-104026.d		
Limit Group:	IC-7199		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK024		

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
1 Cr (VI)	8.262	8.262	0.0	14517	0.1937	

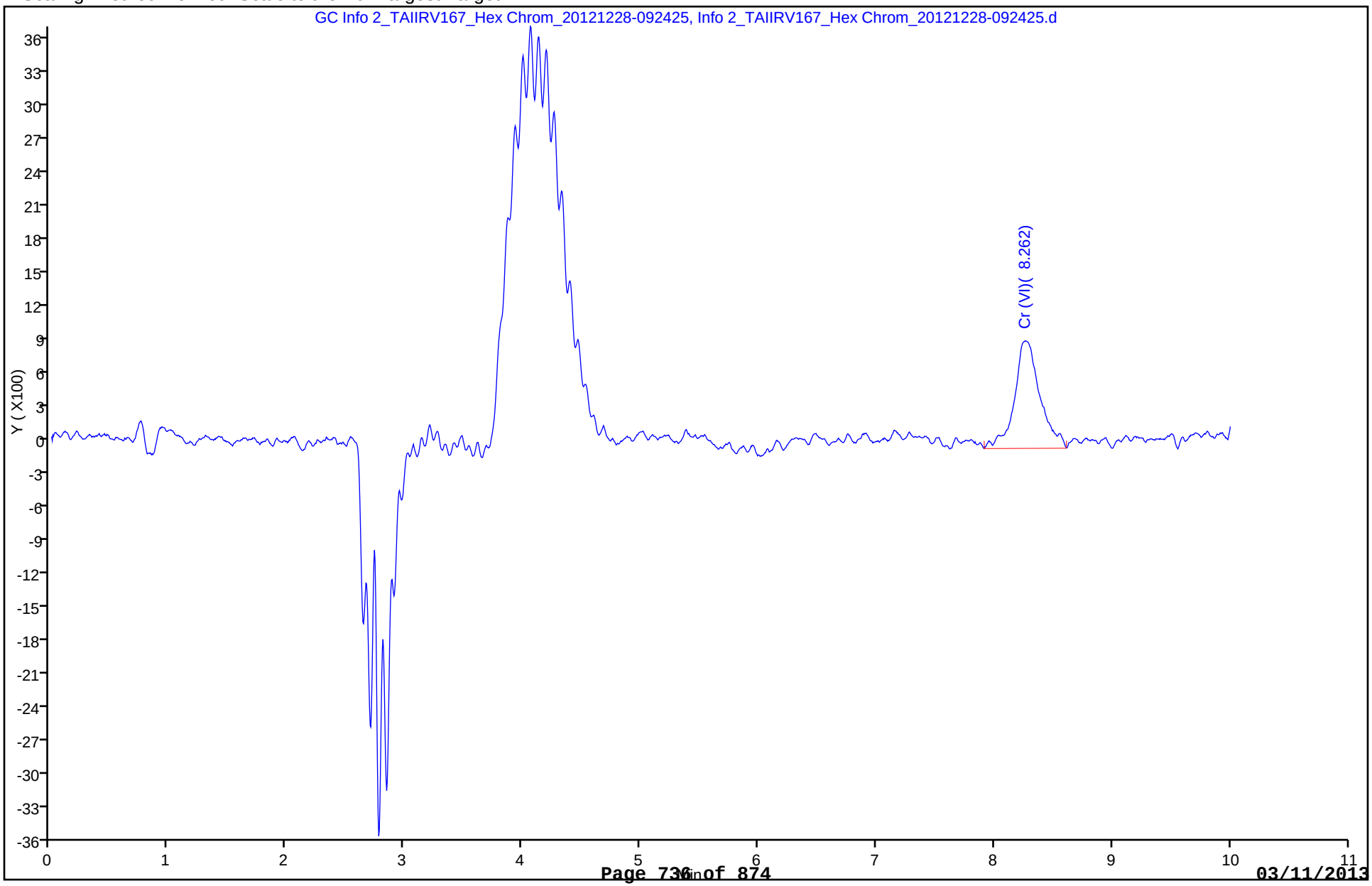
Report Date: 28-Dec-2012 11:08:06 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Irvine

Data File: \\Irvchrom\ChromData\IC16\20121228-16809.b\Info 2_TAIIRV167_Hex Chrom_20121228-092425.d

Injection Date:	28-Dec-2012 09:11:00	Limit Group:	IC-7199
Client ID:		Instrument ID:	IC-16
Lims Batch ID:	75938	Lims Sample ID:	21
Operator ID:	irvinorg	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

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



TestAmerica Irvine
Target Compound Quantitation Report

Data File:	\\Irvchrom\ChromData\IC16\20121228-16809.b\Info 2_TAIIRV167_Hex Chrom_20121228-093704.d		
Lims ID:	STD3	Client ID:	
Inject. Date:	28-Dec-2012 09:24:00	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	440-0016809-022		
Misc. Info.:	440-0016809-022		
Operator:	irvinorg	Instrument ID:	IC-16
Injection Vol:	1.0 ul	ALS Bottle#:	0
Lims Batch ID:	75938	Lims Sample ID:	22
Sublist:	chrom-218.6_16*sub1		
Raw Data:	Smoothed		
Detector:	GC Info 2_TAIIRV167_Hex Chrom_20121228-093704		
Method:	\\Irvchrom\ChromData\IC16\20121228-16809.b\218.6_16.m		
Method Label:	HEX CHROME		
Last Update:	28-Dec-2012 11:08:07	Calib Date:	28-Dec-2012 10:27:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Irvchrom\ChromData\IC16\20121228-16809.b\Info 2_TAIIRV167_Hex Chrom_20121228-104026.d		
Limit Group:	IC-7199		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK024		

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
1 Cr (VI)	8.277	8.262	0.015	38198	0.8211	

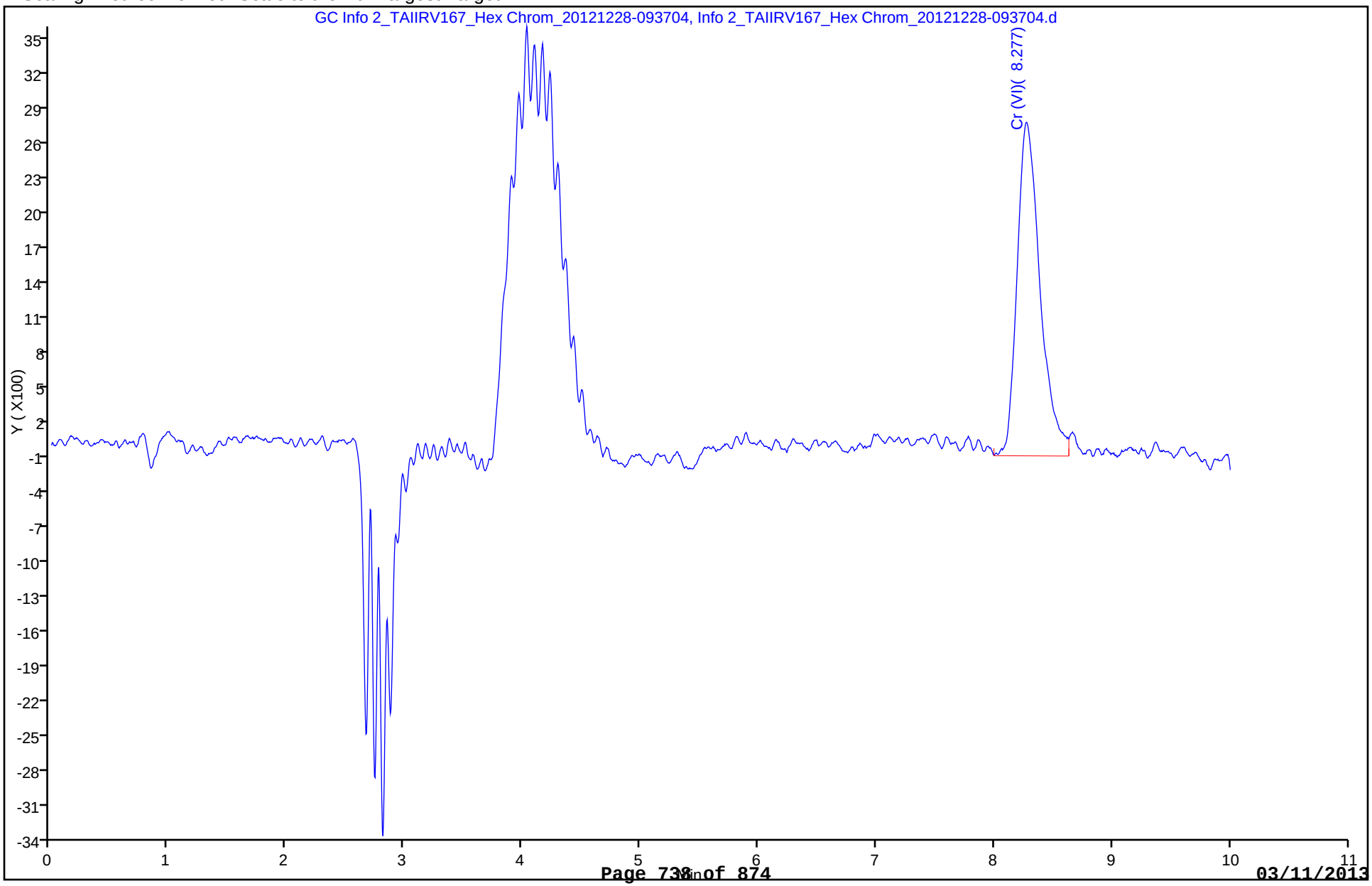
Report Date: 28-Dec-2012 11:08:07 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Irvine

Data File: \\Irvchrom\ChromData\IC16\20121228-16809.b\Info 2_TAIIRV167_Hex Chrom_20121228-093704.d

Injection Date:	28-Dec-2012 09:24:00	Limit Group:	IC-7199
Client ID:		Instrument ID:	IC-16
Lims Batch ID:	75938	Lims Sample ID:	22
Operator ID:	irvinorg	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

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



TestAmerica Irvine
Target Compound Quantitation Report

Data File:	\\Irvchrom\ChromData\IC16\20121228-16809.b\Info 2_TAIIRV167_Hex Chrom_20121228-094945.d		
Lims ID:	STD4	Client ID:	
Inject. Date:	28-Dec-2012 09:37:00	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	3
Sample ID:	440-0016809-023		
Misc. Info.:	440-0016809-023		
Operator:	irvinorg	Instrument ID:	IC-16
Injection Vol:	1.0 ul	ALS Bottle#:	0
Lims Batch ID:	75938	Lims Sample ID:	23
Sublist:	chrom-218.6_16*sub1		
Raw Data:	Smoothed		
Detector:	GC Info 2_TAIIRV167_Hex Chrom_20121228-094945		
Method:	\\Irvchrom\ChromData\IC16\20121228-16809.b\218.6_16.m		
Method Label:	HEX CHROME		
Last Update:	28-Dec-2012 11:08:07	Calib Date:	28-Dec-2012 10:27:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Irvchrom\ChromData\IC16\20121228-16809.b\Info 2_TAIIRV167_Hex Chrom_20121228-104026.d		
Limit Group:	IC-7199		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK024		

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
1 Cr (VI)	8.277	8.262	0.015	396772	10.3	

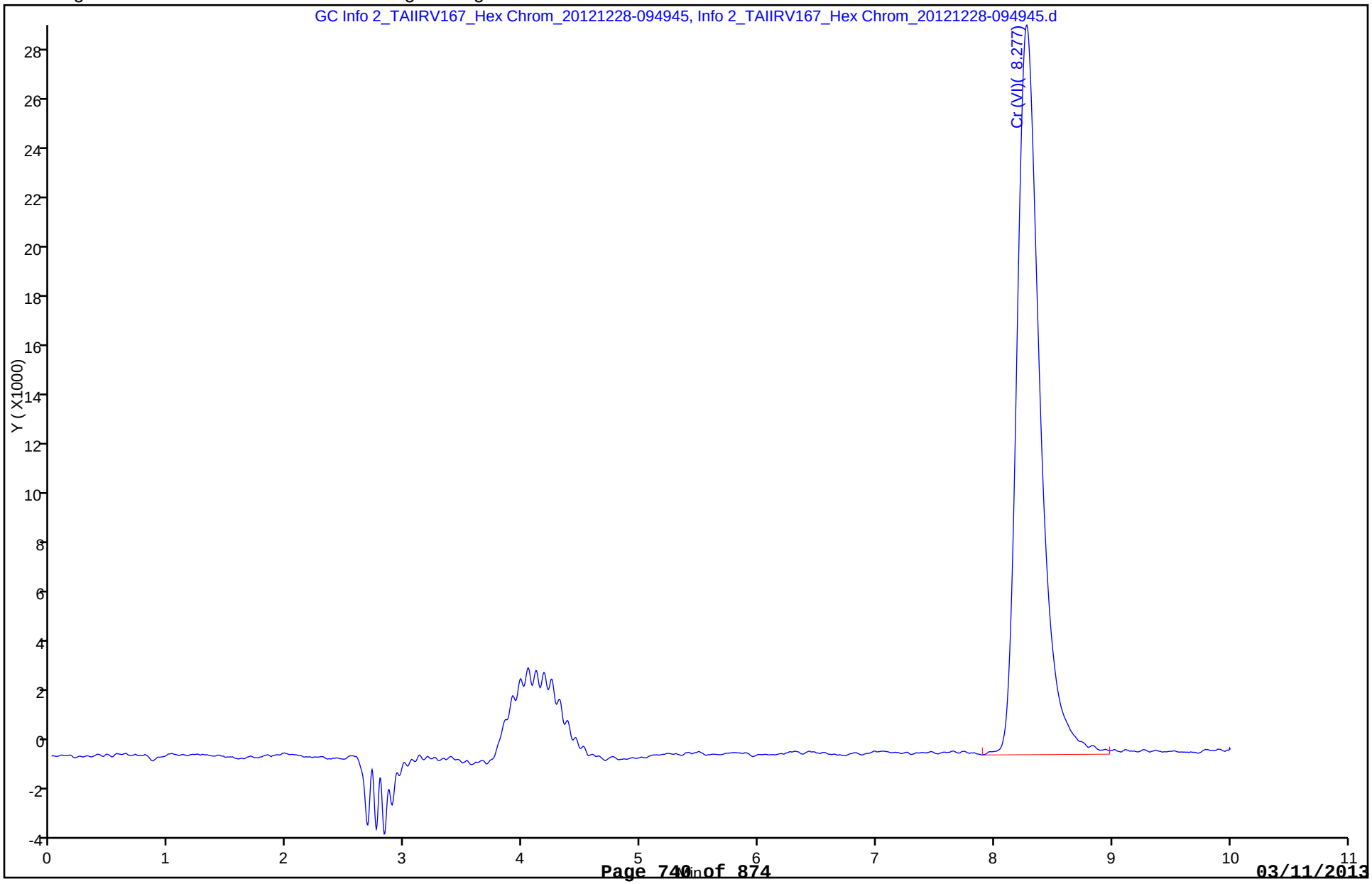
Report Date: 28-Dec-2012 11:08:07 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Irvine

Data File: \\Irvchrom\ChromData\IC16\20121228-16809.b\Info 2_TAIIRV167_Hex Chrom_20121228-094945.d

Injection Date:	28-Dec-2012 09:37:00	Limit Group:	IC-7199
Client ID:		Instrument ID:	IC-16
Lims Batch ID:	75938	Lims Sample ID:	23
Operator ID:	irvinorg	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

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



TestAmerica Irvine
Target Compound Quantitation Report

Data File:	\\Irvchrom\ChromData\IC16\20121228-16809.b\Info 2_TAIIRV167_Hex Chrom_20121228-100225.d		
Lims ID:	STD5	Client ID:	
Inject. Date:	28-Dec-2012 09:49:00	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	440-0016809-024		
Misc. Info.:	440-0016809-024		
Operator:	irvinorg	Instrument ID:	IC-16
Injection Vol:	1.0 ul	ALS Bottle#:	0
Lims Batch ID:	75938	Lims Sample ID:	24
Sublist:	chrom-218.6_16*sub1		
Raw Data:	Smoothed		
Detector:	GC Info 2_TAIIRV167_Hex Chrom_20121228-100225		
Method:	\\Irvchrom\ChromData\IC16\20121228-16809.b\218.6_16.m		
Method Label:	HEX CHROME		
Last Update:	28-Dec-2012 11:08:07	Calib Date:	28-Dec-2012 10:27:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Irvchrom\ChromData\IC16\20121228-16809.b\Info 2_TAIIRV167_Hex Chrom_20121228-104026.d		
Limit Group:	IC-7199		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK024		

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
1 Cr (VI)	8.272	8.262	0.010	956106	25.1	

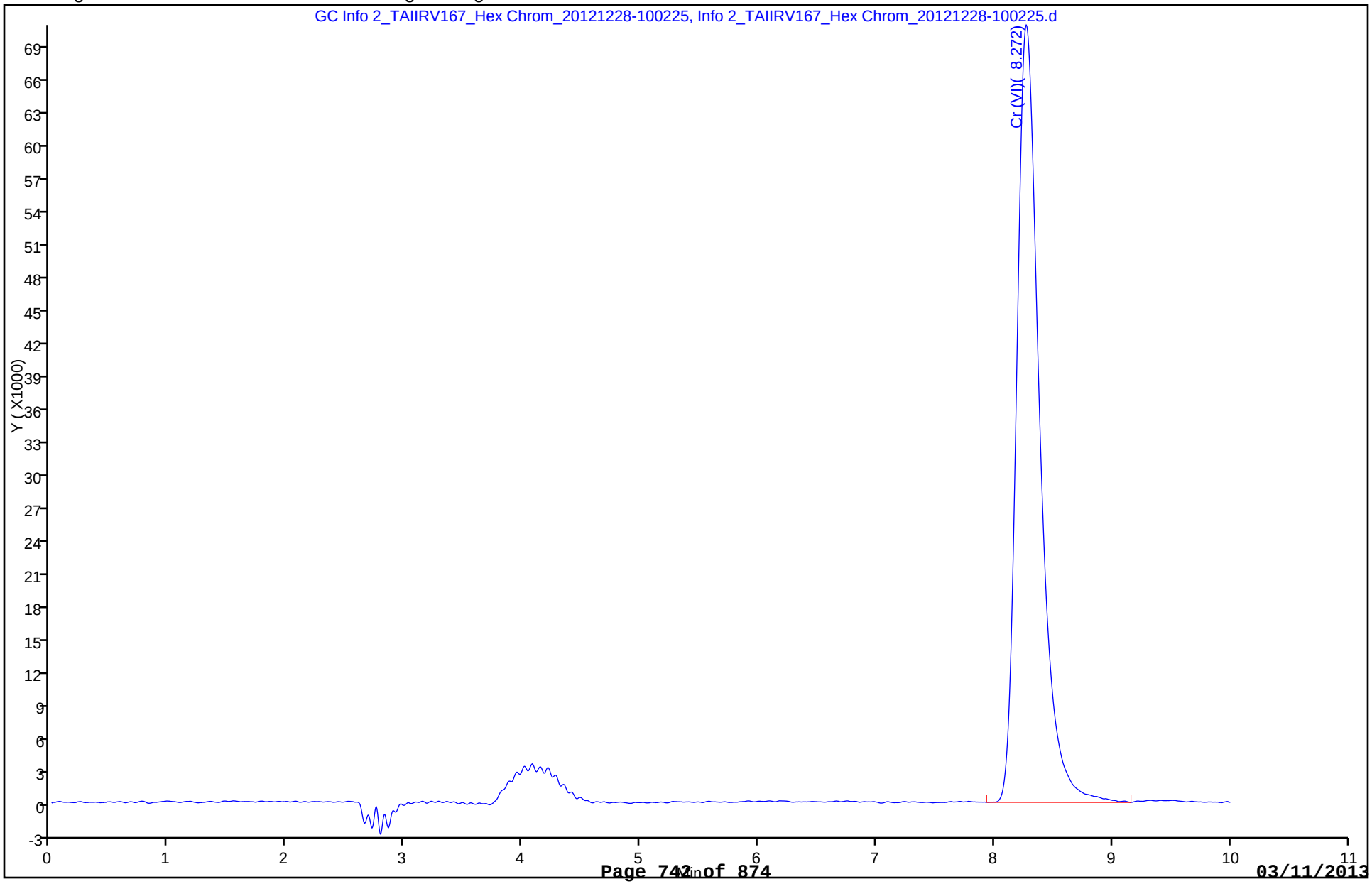
Report Date: 28-Dec-2012 11:08:08 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Irvine

Data File: \\Irvchrom\ChromData\IC16\20121228-16809.b\Info 2_TAIIRV167_Hex Chrom_20121228-100225.d

Injection Date:	28-Dec-2012 09:49:00	Limit Group:	IC-7199
Client ID:		Instrument ID:	IC-16
Lims Batch ID:	75938	Lims Sample ID:	24
Operator ID:	irvinorg	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

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



TestAmerica Irvine
Target Compound Quantitation Report

Data File:	\\Irvchrom\ChromData\IC16\20121228-16809.b\Info 2_TAIIRV167_Hex Chrom_20121228-101504.d		
Lims ID:	STD6	Client ID:	
Inject. Date:	28-Dec-2012 10:02:00	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	440-0016809-025		
Misc. Info.:	440-0016809-025		
Operator:	irvinorg	Instrument ID:	IC-16
Injection Vol:	1.0 ul	ALS Bottle#:	0
Lims Batch ID:	75938	Lims Sample ID:	25
Sublist:	chrom-218.6_16*sub1		
Raw Data:	Smoothed		
Detector:	GC Info 2_TAIIRV167_Hex Chrom_20121228-101504		
Method:	\\Irvchrom\ChromData\IC16\20121228-16809.b\218.6_16.m		
Method Label:	HEX CHROME		
Last Update:	28-Dec-2012 11:08:08	Calib Date:	28-Dec-2012 10:27:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Irvchrom\ChromData\IC16\20121228-16809.b\Info 2_TAIIRV167_Hex Chrom_20121228-104026.d		
Limit Group:	IC-7199		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK024		

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
1 Cr (VI)	8.282	8.262	0.020	1893100	50.0	

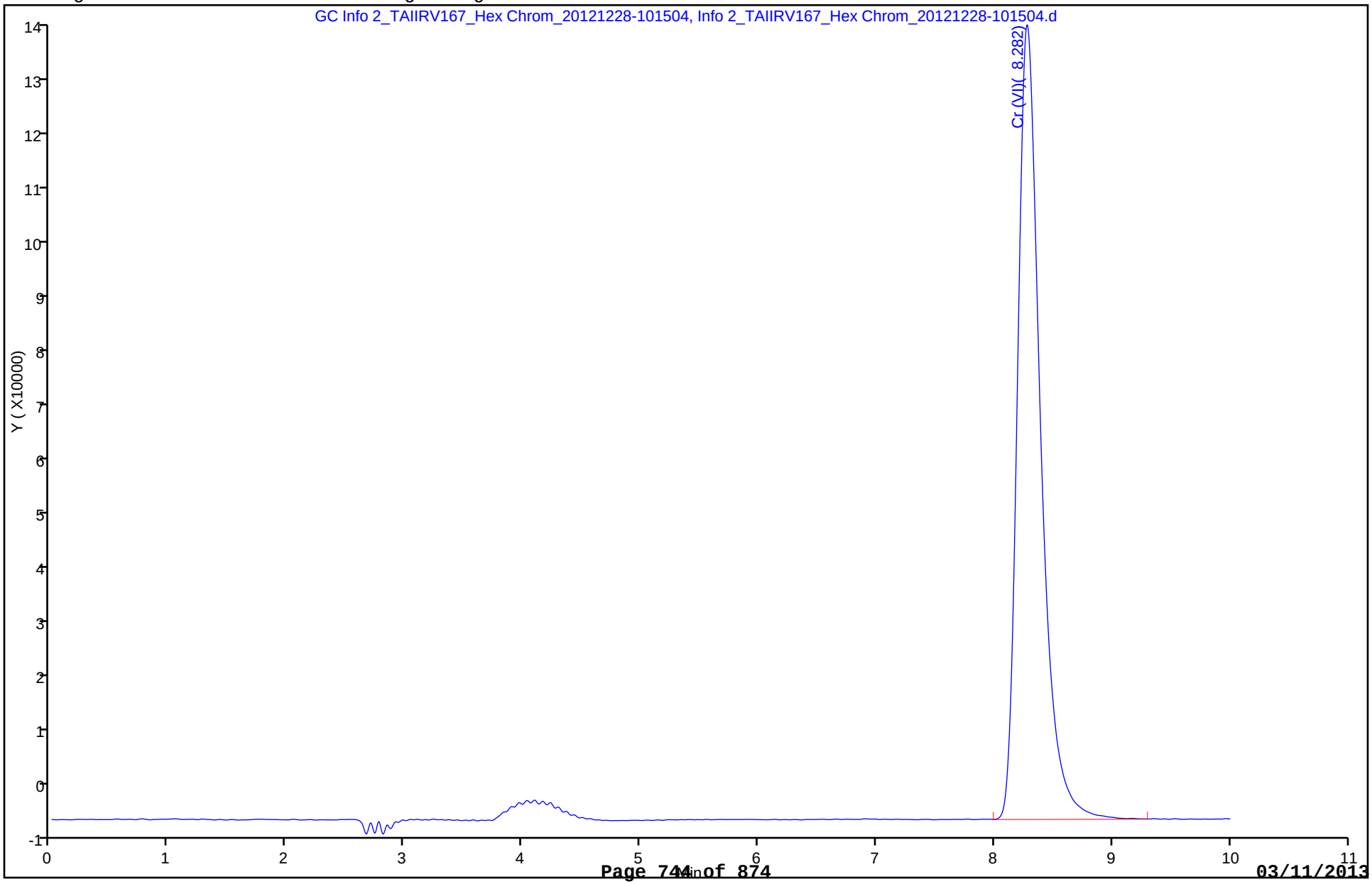
Report Date: 28-Dec-2012 11:08:08 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Irvine

Data File: \\Irvchrom\ChromData\IC16\20121228-16809.b\Info 2_TAIIRV167_Hex Chrom_20121228-101504.d

Injection Date:	28-Dec-2012 10:02:00	Limit Group:	IC-7199
Client ID:		Instrument ID:	IC-16
Lims Batch ID:	75938	Lims Sample ID:	25
Operator ID:	irvinorg	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

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



TestAmerica Irvine
Target Compound Quantitation Report

Data File:	\\Irvchrom\ChromData\IC16\20121228-16809.b\Info 2_TAIIRV167_Hex Chrom_20121228-102746.d		
Lims ID:	STD7	Client ID:	
Inject. Date:	28-Dec-2012 10:15:00	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	6
Sample ID:	440-0016809-026		
Misc. Info.:	440-0016809-026		
Operator:	irvinorg	Instrument ID:	IC-16
Injection Vol:	1.0 ul	ALS Bottle#:	0
Lims Batch ID:	75938	Lims Sample ID:	26
Sublist:	chrom-218.6_16*sub1		
Raw Data:	Smoothed		
Detector:	GC Info 2_TAIIRV167_Hex Chrom_20121228-102746		
Method:	\\Irvchrom\ChromData\IC16\20121228-16809.b\218.6_16.m		
Method Label:	HEX CHROME		
Last Update:	28-Dec-2012 11:08:08	Calib Date:	28-Dec-2012 10:27:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Irvchrom\ChromData\IC16\20121228-16809.b\Info 2_TAIIRV167_Hex Chrom_20121228-104026.d		
Limit Group:	IC-7199		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK024		

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
1 Cr (VI)	8.272	8.262	0.010	2853900	75.4	

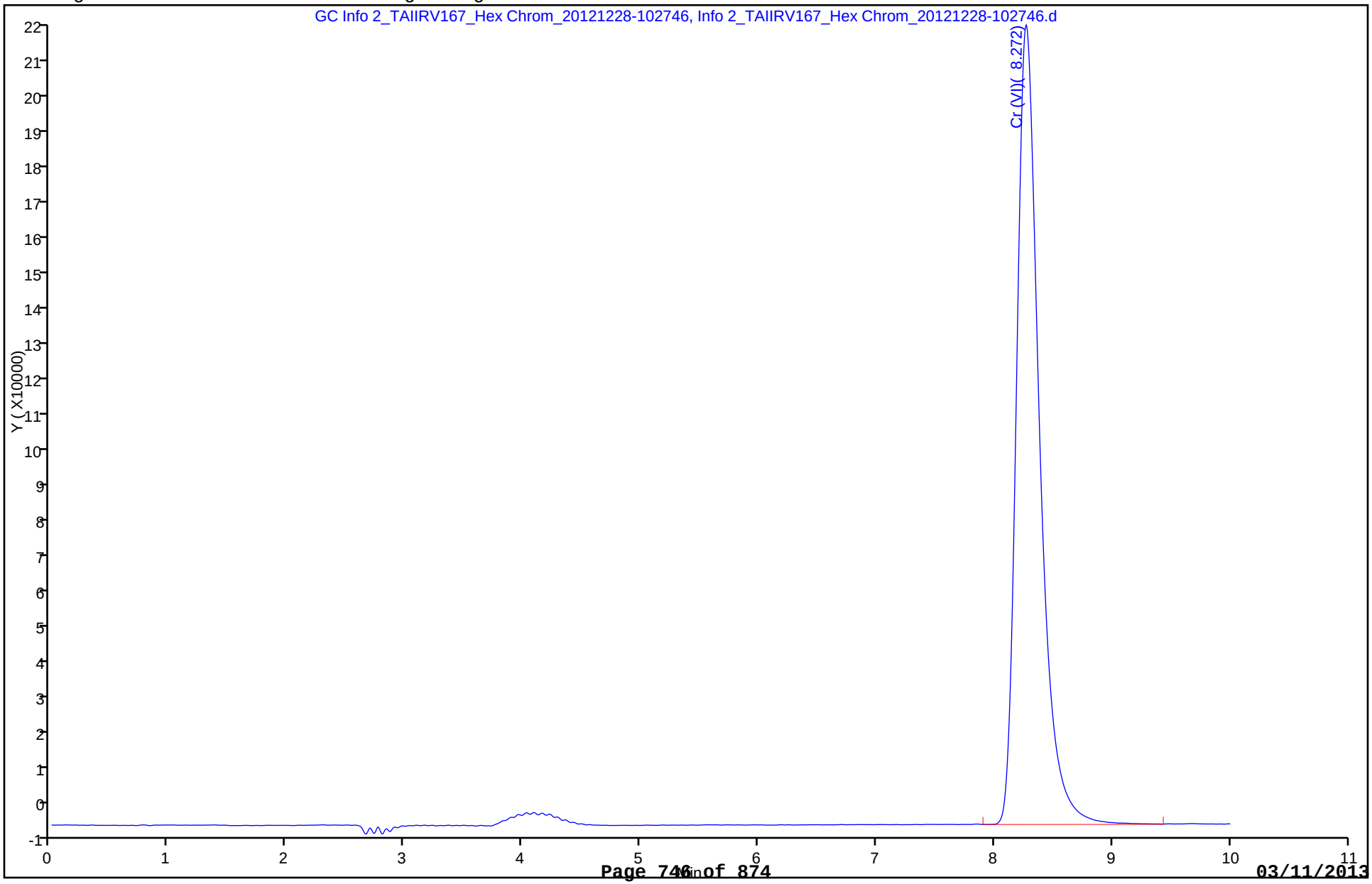
Report Date: 28-Dec-2012 11:08:08 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Irvine

Data File: \\Irvchrom\ChromData\IC16\20121228-16809.b\Info 2_TAIIRV167_Hex Chrom_20121228-102746.d

Injection Date:	28-Dec-2012 10:15:00	Limit Group:	IC-7199
Client ID:		Instrument ID:	IC-16
Lims Batch ID:	75938	Lims Sample ID:	26
Operator ID:	irvinorg	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

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



TestAmerica Irvine
Target Compound Quantitation Report

Data File:	\\Irvchrom\ChromData\IC16\20121228-16809.b\Info 2_TAIIRV167_Hex Chrom_20121228-104026.d		
Lims ID:	STD8	Client ID:	
Inject. Date:	28-Dec-2012 10:27:00	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	7
Sample ID:	440-0016809-027		
Misc. Info.:	440-0016809-027		
Operator:	irvinorg	Instrument ID:	IC-16
Injection Vol:	1.0 ul	ALS Bottle#:	0
Lims Batch ID:	75938	Lims Sample ID:	27
Sublist:	chrom-218.6_16*sub1		
Raw Data:	Smoothed		
Detector:	GC Info 2_TAIIRV167_Hex Chrom_20121228-104026		
Method:	\\Irvchrom\ChromData\IC16\20121228-16809.b\218.6_16.m		
Method Label:	HEX CHROME		
Last Update:	28-Dec-2012 11:08:09	Calib Date:	28-Dec-2012 10:27:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Irvchrom\ChromData\IC16\20121228-16809.b\Info 2_TAIIRV167_Hex Chrom_20121228-104026.d		
Limit Group:	IC-7199		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK024		

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
1 Cr (VI)	8.293	8.262	0.031	3768733	99.6	

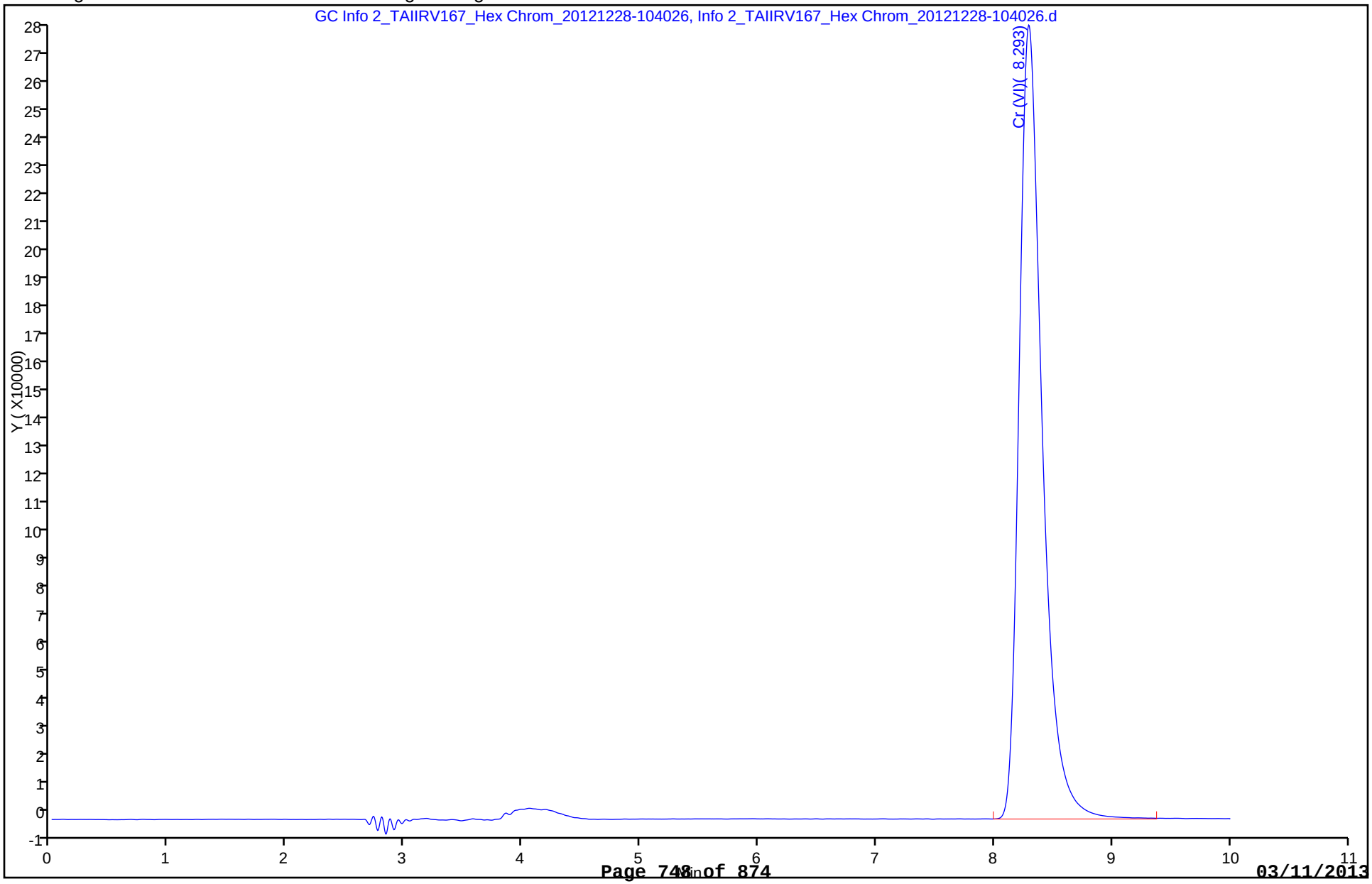
Report Date: 28-Dec-2012 11:08:09 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Irvine

Data File: \\Irvchrom\ChromData\IC16\20121228-16809.b\Info 2_TAIIRV167_Hex Chrom_20121228-104026.d

Injection Date:	28-Dec-2012 10:27:00	Limit Group:	IC-7199
Client ID:		Instrument ID:	IC-16
Lims Batch ID:	75938	Lims Sample ID:	27
Operator ID:	irvinorg	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

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



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Irvine Job No.: 480-30346-1

SDG No.:

Lab Sample ID: ICV 440-75938/29 Calibration Date: 12/28/2012 11:01

Instrument ID: IC-16 Calib Start Date: 12/28/2012 08:59

GC Column: AS7 ID: 4.00(mm) Calib End Date: 12/28/2012 10:27

Lab File ID: Info 2_TAIIRV167_Hex Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%REC	%REC LIMITS
Cr (VI)	Lin				50.9	50.0	102	90-110

FORM VII 7199

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Irvine Job No.: 480-30346-1

SDG No.:

Lab Sample ID: ICV 440-75938/29 Calibration Date: 12/28/2012 11:01

Instrument ID: IC-16 Calib Start Date: 12/28/2012 08:59

GC Column: AS7 ID: 4.00(mm) Calib End Date: 12/28/2012 10:27

Lab File ID: Info 2_TAIIRV167_Hex

Analyte	RT	RT WINDOW	
		FROM	TO
Cr (VI)	8.29	7.85	8.68

TestAmerica Irvine
Target Compound Quantitation Report

Data File:	\\Irvchrom\ChromData\IC16\20121228-16809.b\Info 2_TAIIRV167_Hex Chrom_20121228-111406.d		
Lims ID:	icv	Client ID:	
Inject. Date:	28-Dec-2012 11:01:00	Dil. Factor:	1.0000
Sample Type:	ICV		
Sample ID:	440-0016809-029		
Misc. Info.:	440-0016809-029		
Operator:	irvinorg	Instrument ID:	IC-16
Injection Vol:	1.0 ul	ALS Bottle#:	0
Lims Batch ID:	75938	Lims Sample ID:	29
Sublist:			
Raw Data:	Smoothed		
Detector:	GC Info 2_TAIIRV167_Hex Chrom_20121228-111406		
Method:	\\Irvchrom\ChromData\IC16\20121228-16809.b\218.6_16.m		
Method Label:	HEX CHROME		
Last Update:	28-Dec-2012 12:15:52	Calib Date:	28-Dec-2012 10:27:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Irvchrom\ChromData\IC16\20121228-16809.b\Info 2_TAIIRV167_Hex Chrom_20121228-104026.d		
Limit Group:	IC-7199		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK024		

First Level Reviewer: phamq Date: 28-Dec-2012 11:24:44

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
1 Cr (VI)	8.287	8.262	0.025	1929533	50.9	

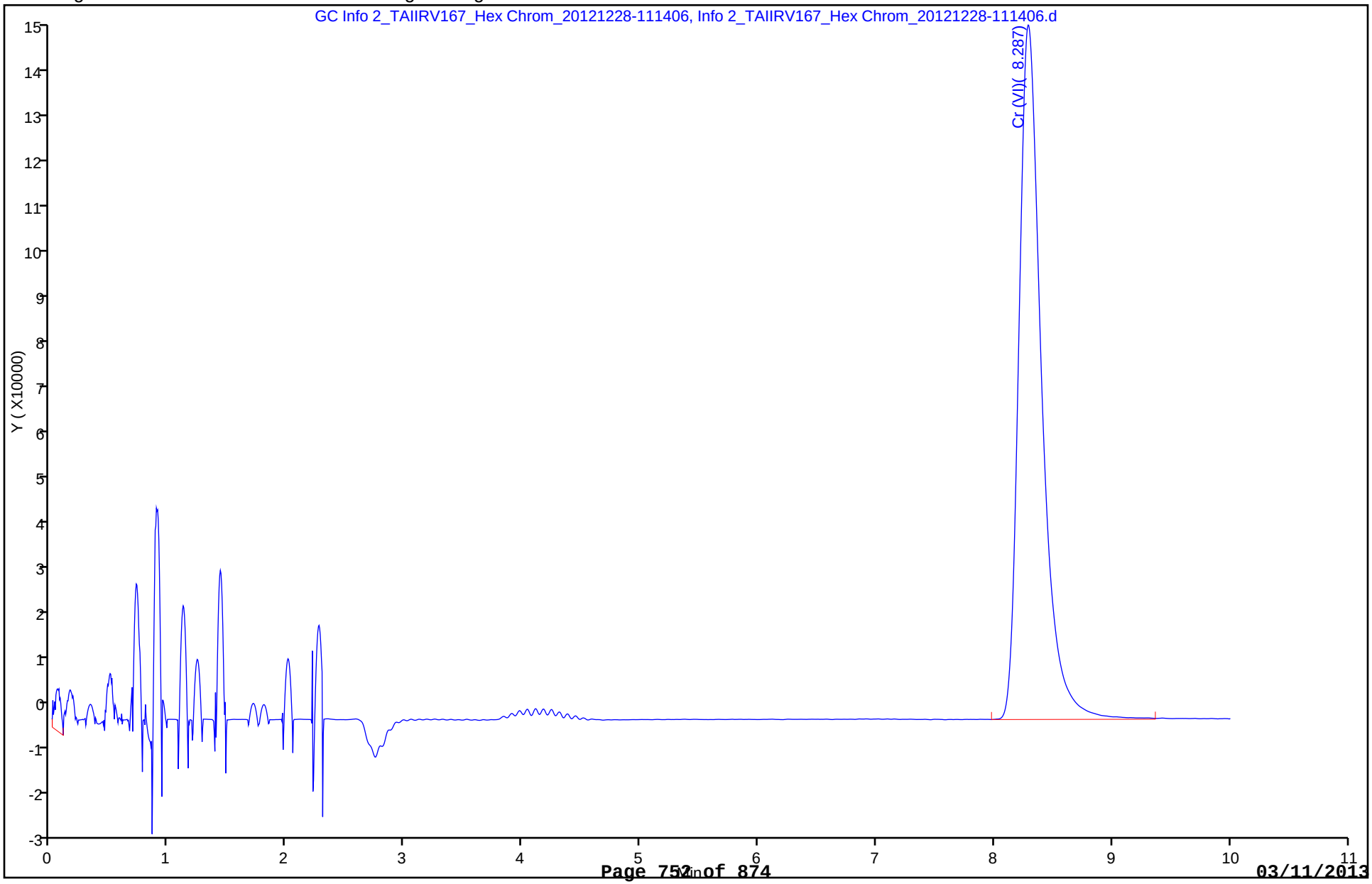
Report Date: 28-Dec-2012 11:24:45 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Irvine

Data File: \\Irvchrom\ChromData\IC16\20121228-16809.b\Info 2_TAIIRV167_Hex Chrom_20121228-111406.d

Injection Date:	28-Dec-2012 11:01:00	Limit Group:	IC-7199
Client ID:		Instrument ID:	IC-16
Lims Batch ID:	75938	Lims Sample ID:	29
Operator ID:	irvinorg	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

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



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Irvine Job No.: 480-30346-1

SDG No.:

Lab Sample ID: CCV 440-76762/26 Calibration Date: 01/03/2013 21:42

Instrument ID: IC-16 Calib Start Date: 12/28/2012 08:59

GC Column: AS7 ID: 4.00(mm) Calib End Date: 12/28/2012 10:27

Lab File ID: Info 2_TAIIRV167_Hex Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%REC	%REC LIMITS
Cr (VI)	Lin				48.8	50.0	98	90-110

FORM VII 7199

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Irvine Job No.: 480-30346-1

SDG No.:

Lab Sample ID: CCV 440-76762/26 Calibration Date: 01/03/2013 21:42

Instrument ID: IC-16 Calib Start Date: 12/28/2012 08:59

GC Column: AS7 ID: 4.00(mm) Calib End Date: 12/28/2012 10:27

Lab File ID: Info 2_TAIIRV167_Hex

Analyte	RT	RT WINDOW	
		FROM	TO
Cr (VI)	8.20	7.85	8.68

TestAmerica Irvine
Target Compound Quantitation Report

Data File:	\\Irvchrom\ChromData\IC16\20130103-17001.b\Info 2_TAIIRV167_Hex Chrom_20130103-215455.d		
Lims ID:	CCV	Client ID:	
Inject. Date:	03-Jan-2013 21:42:00	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	440-0017001-026		
Misc. Info.:	440-0017001-026		
Operator:	irvinorg	Instrument ID:	IC-16
Injection Vol:	1.0 ul	ALS Bottle#:	0
Lims Batch ID:	76762	Lims Sample ID:	26
Sublist:	chrom-218.6_16*sub1		
Raw Data:	Smoothed		
Detector:	GC Info 2_TAIIRV167_Hex Chrom_20130103-215455		
Method:	\\Irvchrom\ChromData\IC16\20130103-17001.b\218.6_16.m		
Method Label:	HEX CHROME		
Last Update:	03-Jan-2013 22:51:37	Calib Date:	28-Dec-2012 10:27:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Irvchrom\ChromData\IC16\20121228-16809.b\Info 2_TAIIRV167_Hex Chrom_20121228-104026.d		
Limit Group:	IC-7199		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK018		

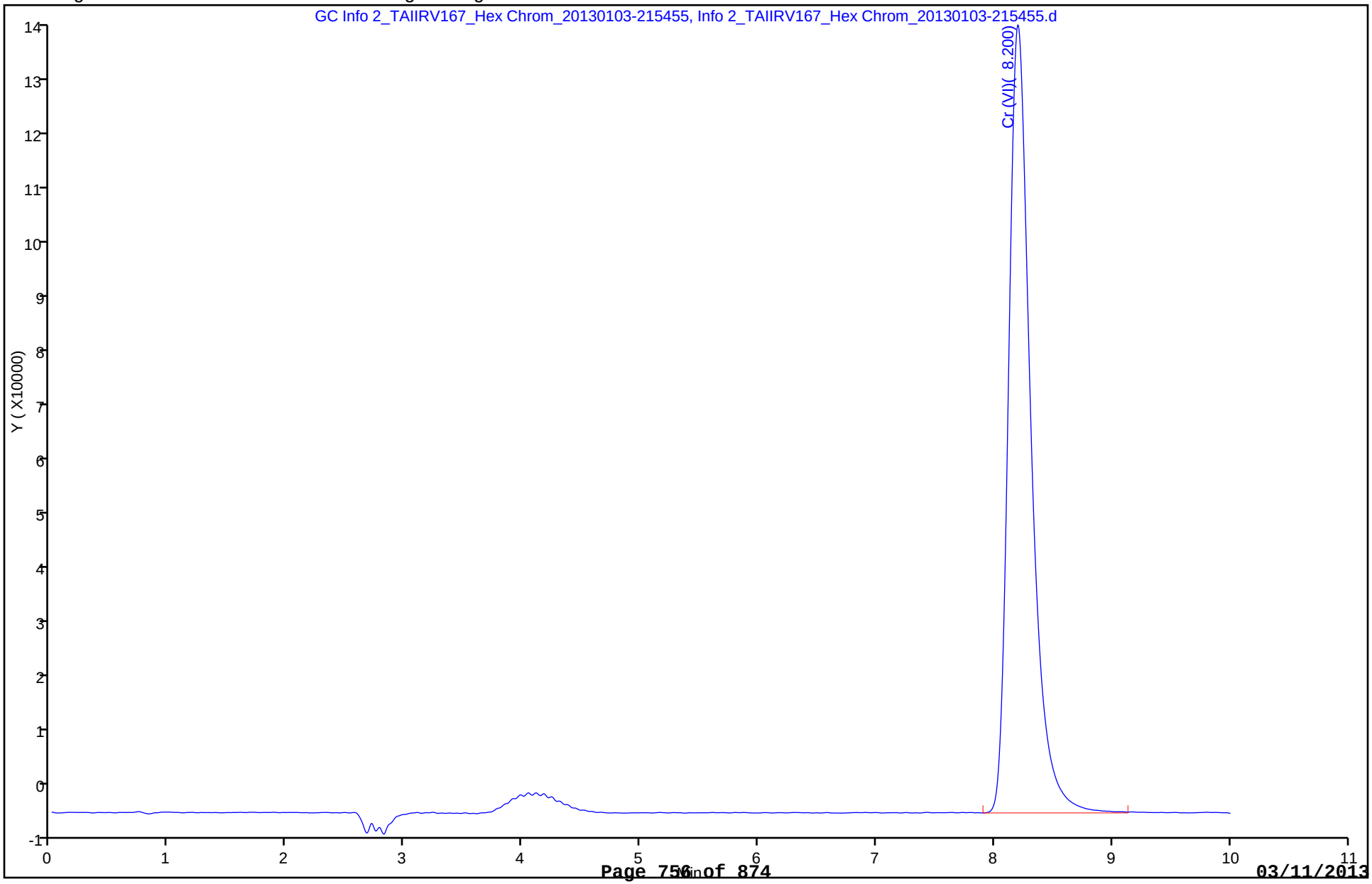
Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
1 Cr (VI)	8.200	8.262	-0.062	1850772	48.8	

Report Date: 03-Jan-2013 22:51:37 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Irvine

Data File:	\\Irvchrom\ChromData\IC16\20130103-17001.b\Info 2_TAIIRV167_Hex Chrom_20130103-215455.d		
Injection Date:	03-Jan-2013 21:42:00	Limit Group:	IC-7199
Client ID:		Instrument ID:	IC-16
Lims Batch ID:	76762	Lims Sample ID:	26
Operator ID:	irvinorg	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

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



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Irvine Job No.: 480-30346-1

SDG No.:

Lab Sample ID: CCV 440-76762/39 Calibration Date: 01/04/2013 01:13

Instrument ID: IC-16 Calib Start Date: 12/28/2012 08:59

GC Column: AS7 ID: 4.00(mm) Calib End Date: 12/28/2012 10:27

Lab File ID: Info 2_TAIIRV167_Hex Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%REC	%REC LIMITS
Cr (VI)	Lin				46.9	50.0	94	90-110

FORM VII 7199

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Irvine Job No.: 480-30346-1

SDG No.:

Lab Sample ID: CCV 440-76762/39 Calibration Date: 01/04/2013 01:13

Instrument ID: IC-16 Calib Start Date: 12/28/2012 08:59

GC Column: AS7 ID: 4.00(mm) Calib End Date: 12/28/2012 10:27

Lab File ID: Info 2_TAIIRV167_Hex

Analyte	RT	RT WINDOW	
		FROM	TO
Cr (VI)	8.20	7.85	8.68

TestAmerica Irvine
Target Compound Quantitation Report

Data File:	\\Irvchrom\ChromData\IC16\20130103-17001.b\Info 2_TAIIRV167_Hex Chrom_20130104-012558.d		
Lims ID:	CCV	Client ID:	
Inject. Date:	04-Jan-2013 01:13:00	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	440-0017001-039		
Misc. Info.:	440-0017001-039		
Operator:	irvinorg	Instrument ID:	IC-16
Injection Vol:	1.0 ul	ALS Bottle#:	0
Lims Batch ID:	76762	Lims Sample ID:	39
Sublist:	chrom-218.6_16*sub1		
Raw Data:	Smoothed		
Detector:	GC Info 2_TAIIRV167_Hex Chrom_20130104-012558		
Method:	\\Irvchrom\ChromData\IC16\20130103-17001.b\218.6_16.m		
Method Label:	HEX CHROME		
Last Update:	04-Jan-2013 06:27:18	Calib Date:	28-Dec-2012 10:27:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Irvchrom\ChromData\IC16\20121228-16809.b\Info 2_TAIIRV167_Hex Chrom_20121228-104026.d		
Limit Group:	IC-7199		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK009		

First Level Reviewer: nikbakhtm Date: 04-Jan-2013 06:27:18

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
1 Cr (VI)	8.200	8.262	-0.062	1778476	46.9	

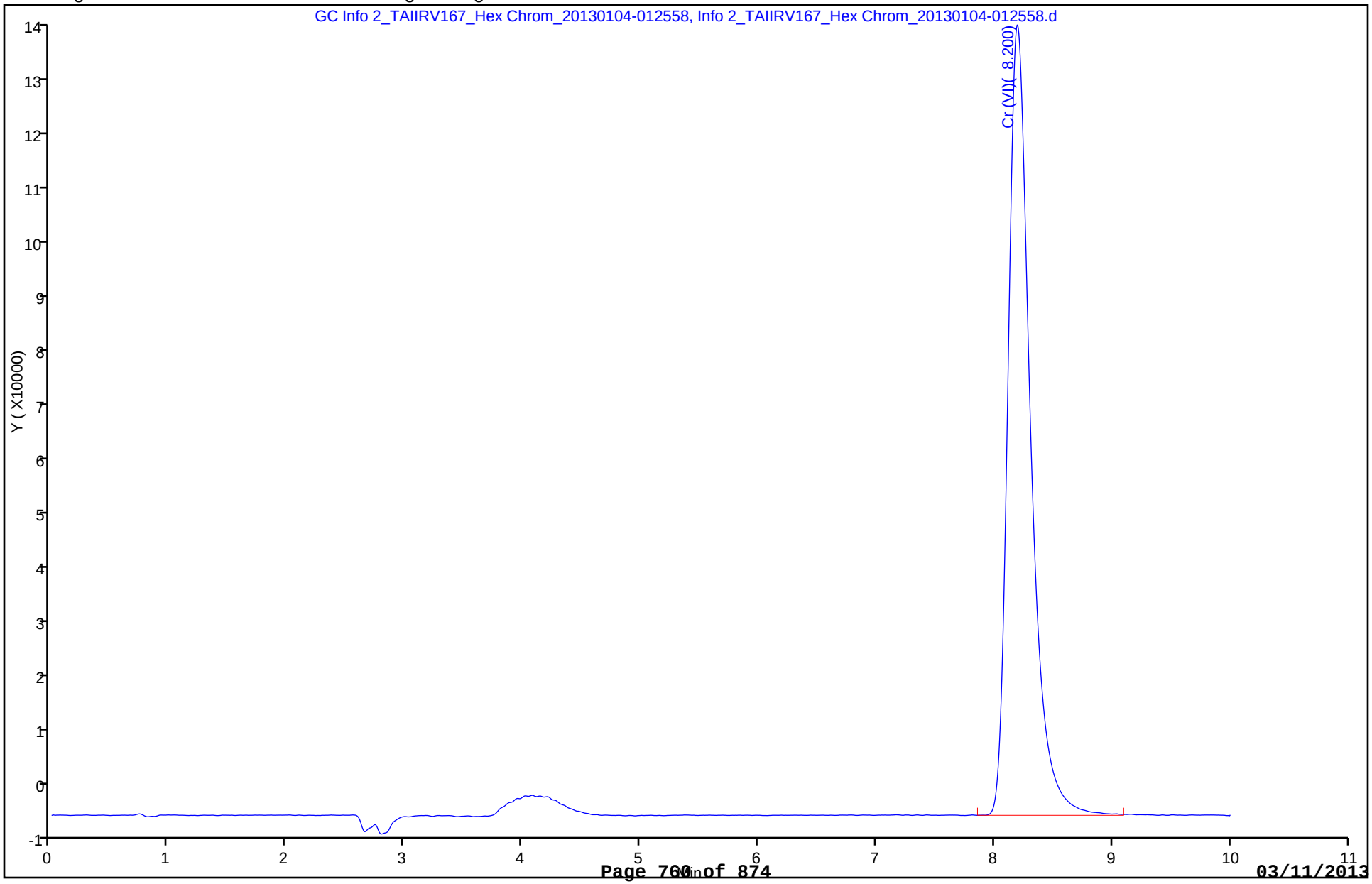
Report Date: 04-Jan-2013 06:27:18 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Irvine

Data File: \\Irvchrom\ChromData\IC16\20130103-17001.b\Info 2_TAIIRV167_Hex Chrom_20130104-012558.d

Injection Date:	04-Jan-2013 01:13:00	Limit Group:	IC-7199
Client ID:		Instrument ID:	IC-16
Lims Batch ID:	76762	Lims Sample ID:	39
Operator ID:	irvinorg	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

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



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Irvine Job No.: 480-30346-1

SDG No.:

Lab Sample ID: CCV 440-76762/51 Calibration Date: 01/04/2013 03:45

Instrument ID: IC-16 Calib Start Date: 12/28/2012 08:59

GC Column: AS7 ID: 4.00(mm) Calib End Date: 12/28/2012 10:27

Lab File ID: Info 2_TAIIRV167_Hex Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%REC	%REC LIMITS
Cr (VI)	Lin				45.8	50.0	92	90-110

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Irvine Job No.: 480-30346-1

SDG No.:

Lab Sample ID: CCV 440-76762/51 Calibration Date: 01/04/2013 03:45

Instrument ID: IC-16 Calib Start Date: 12/28/2012 08:59

GC Column: AS7 ID: 4.00(mm) Calib End Date: 12/28/2012 10:27

Lab File ID: Info 2_TAIIRV167_Hex

Analyte	RT	RT WINDOW	
		FROM	TO
Cr (VI)	8.19	7.85	8.68

TestAmerica Irvine
Target Compound Quantitation Report

Data File:	\\Irvchrom\ChromData\IC16\20130103-17001.b\Info 2_TAIIRV167_Hex Chrom_20130104-035752.d		
Lims ID:	CCV	Client ID:	
Inject. Date:	04-Jan-2013 03:45:00	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	440-0017001-051		
Misc. Info.:	440-0017001-051		
Operator:	irvinorg	Instrument ID:	IC-16
Injection Vol:	1.0 ul	ALS Bottle#:	0
Lims Batch ID:	76762	Lims Sample ID:	51
Sublist:	chrom-218.6_16*sub1		
Raw Data:	Smoothed		
Detector:	GC Info 2_TAIIRV167_Hex Chrom_20130104-035752		
Method:	\\Irvchrom\ChromData\IC16\20130103-17001.b\218.6_16.m		
Method Label:	HEX CHROME		
Last Update:	04-Jan-2013 06:29:39	Calib Date:	28-Dec-2012 10:27:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Irvchrom\ChromData\IC16\20121228-16809.b\Info 2_TAIIRV167_Hex Chrom_20121228-104026.d		
Limit Group:	IC-7199		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK009		

First Level Reviewer: nikbakhtm Date: 04-Jan-2013 06:29:39

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
1 Cr (VI)	8.194	8.262	-0.068	1737515	45.8	

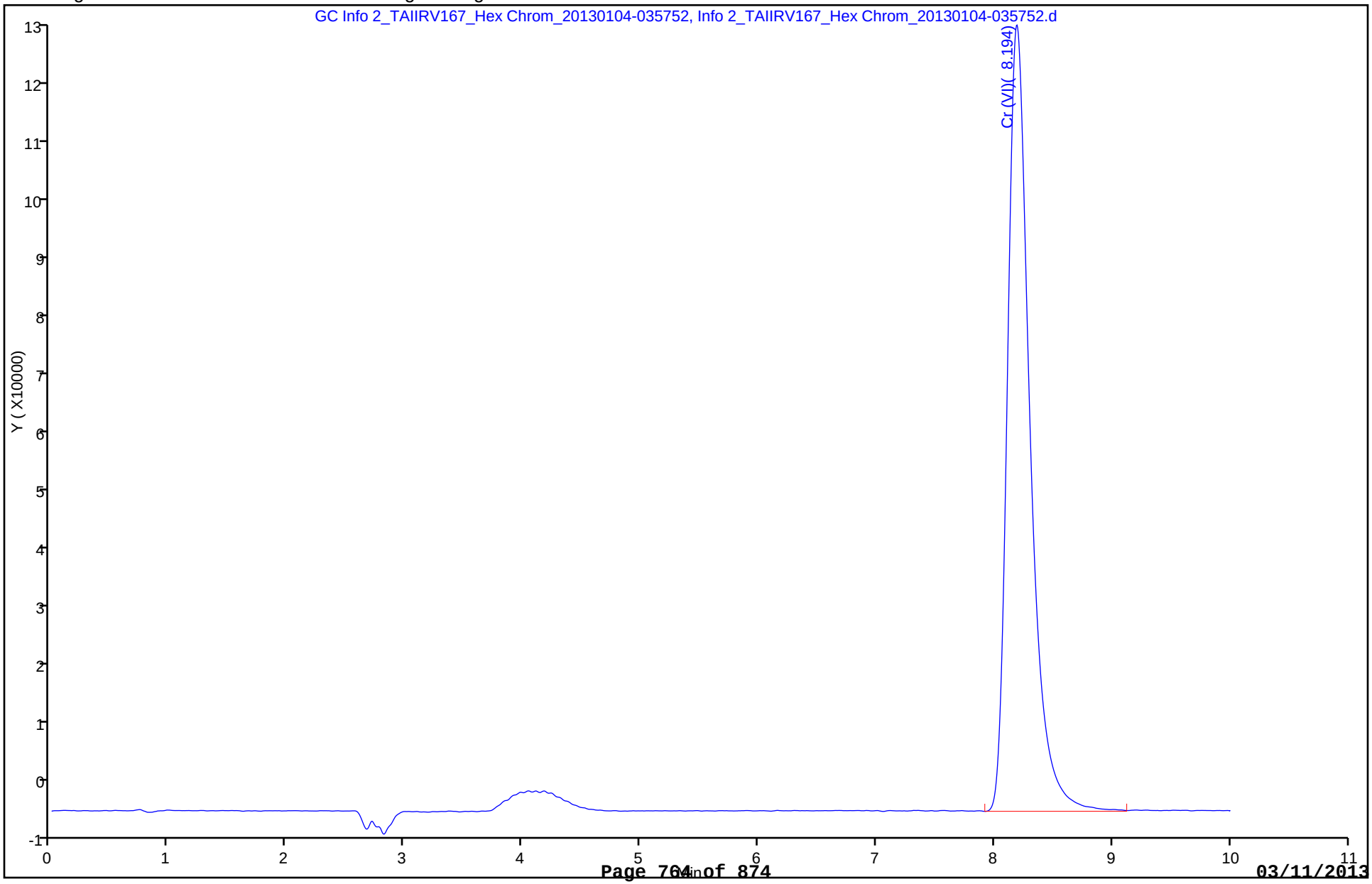
Report Date: 04-Jan-2013 06:29:39 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Irvine

Data File: \\Irvchrom\ChromData\IC16\20130103-17001.b\Info 2_TAIIRV167_Hex Chrom_20130104-035752.d

Injection Date:	04-Jan-2013 03:45:00	Limit Group:	IC-7199
Client ID:		Instrument ID:	IC-16
Lims Batch ID:	76762	Lims Sample ID:	51
Operator ID:	irvinorg	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

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



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Irvine Job No.: 480-30346-1

SDG No.:

Lab Sample ID: CCV 440-77774/13 Calibration Date: 01/09/2013 07:51

Instrument ID: IC-16 Calib Start Date: 12/28/2012 08:59

GC Column: AS7 ID: 4.00(mm) Calib End Date: 12/28/2012 10:27

Lab File ID: Info 2_TAIIRV167_Hex Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%REC	%REC LIMITS
Cr (VI)	Lin				52.3	50.0	105	90-110

FORM VII 7199

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Irvine Job No.: 480-30346-1

SDG No.:

Lab Sample ID: CCV 440-77774/13 Calibration Date: 01/09/2013 07:51

Instrument ID: IC-16 Calib Start Date: 12/28/2012 08:59

GC Column: AS7 ID: 4.00(mm) Calib End Date: 12/28/2012 10:27

Lab File ID: Info 2_TAIIRV167_Hex

Analyte	RT	RT WINDOW	
		FROM	TO
Cr (VI)	8.22	7.85	8.68

TestAmerica Irvine
Target Compound Quantitation Report

Data File:	\\Irvchrom\ChromData\IC16\20130109-17250.b\Info 2_TAIIRV167_Hex Chrom_20130109-080352.d		
Lims ID:	ccv	Client ID:	
Inject. Date:	09-Jan-2013 07:51:00	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	440-0017250-013		
Misc. Info.:	440-0017250-013		
Operator:	irvinorg	Instrument ID:	IC-16
Injection Vol:	1.0 ul	ALS Bottle#:	0
Lims Batch ID:	77774	Lims Sample ID:	13
Sublist:	chrom-218.6_16*sub1		
Raw Data:	Smoothed		
Detector:	GC Info 2_TAIIRV167_Hex Chrom_20130109-080352		
Method:	\\Irvchrom\ChromData\IC16\20130109-17250.b\218.6_16.m		
Method Label:	HEX CHROME		
Last Update:	09-Jan-2013 08:23:36	Calib Date:	28-Dec-2012 10:27:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Irvchrom\ChromData\IC16\20121228-16809.b\Info 2_TAIIRV167_Hex Chrom_20121228-104026.d		
Limit Group:	IC-7199		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK033		

First Level Reviewer: nikbakhtm Date: 09-Jan-2013 08:23:36

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
1 Cr (VI)	8.220	8.262	-0.042	1979627	52.3	

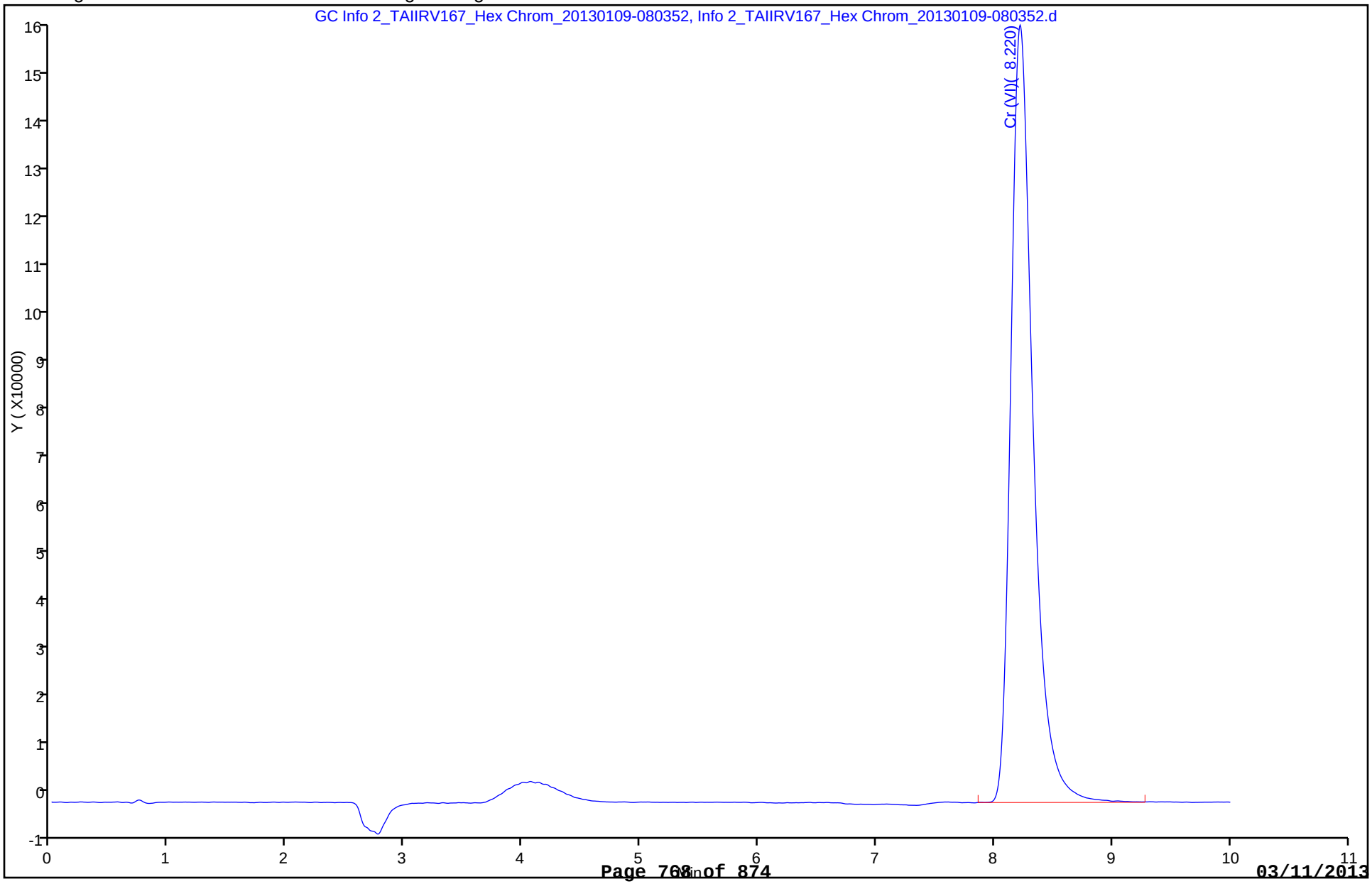
Report Date: 09-Jan-2013 08:23:38 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Irvine

Data File: \\Irvchrom\ChromData\IC16\20130109-17250.b\Info 2_TAIIRV167_Hex Chrom_20130109-080352.d

Injection Date:	09-Jan-2013 07:51:00	Limit Group:	IC-7199
Client ID:		Instrument ID:	IC-16
Lims Batch ID:	77774	Lims Sample ID:	13
Operator ID:	irvinorg	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

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



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Irvine Job No.: 480-30346-1

SDG No.:

Lab Sample ID: CCV 440-77774/24 Calibration Date: 01/09/2013 10:23

Instrument ID: IC-16 Calib Start Date: 12/28/2012 08:59

GC Column: AS7 ID: 4.00(mm) Calib End Date: 12/28/2012 10:27

Lab File ID: Info 2_TAIIRV167_Hex Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%REC	%REC LIMITS
Cr (VI)	Lin				54.2	50.0	108	90-110

FORM VII 7199

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Irvine Job No.: 480-30346-1

SDG No.:

Lab Sample ID: CCV 440-77774/24 Calibration Date: 01/09/2013 10:23

Instrument ID: IC-16 Calib Start Date: 12/28/2012 08:59

GC Column: AS7 ID: 4.00(mm) Calib End Date: 12/28/2012 10:27

Lab File ID: Info 2_TAIIRV167_Hex

Analyte	RT	RT WINDOW	
		FROM	TO
Cr (VI)	8.23	7.85	8.68

TestAmerica Irvine
Target Compound Quantitation Report

Data File:	\\Irvchrom\ChromData\IC16\20130109-17250.b\Info 2_TAIIRV167_Hex Chrom_20130109-103621.d		
Lims ID:	CCV	Client ID:	
Inject. Date:	09-Jan-2013 10:23:00	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	440-0017250-024		
Misc. Info.:	440-0017250-024		
Operator:	irvinorg	Instrument ID:	IC-16
Injection Vol:	1.0 ul	ALS Bottle#:	0
Lims Batch ID:	77774	Lims Sample ID:	24
Sublist:	chrom-218.6_16*sub1		
Raw Data:	Smoothed		
Detector:	GC Info 2_TAIIRV167_Hex Chrom_20130109-103621		
Method:	\\Irvchrom\ChromData\IC16\20130109-17250.b\218.6_16.m		
Method Label:	HEX CHROME		
Last Update:	09-Jan-2013 12:49:26	Calib Date:	28-Dec-2012 10:27:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Irvchrom\ChromData\IC16\20121228-16809.b\Info 2_TAIIRV167_Hex Chrom_20121228-104026.d		
Limit Group:	IC-7199		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK028		

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
1 Cr (VI)	8.225	8.262	-0.037	2053142	54.2	

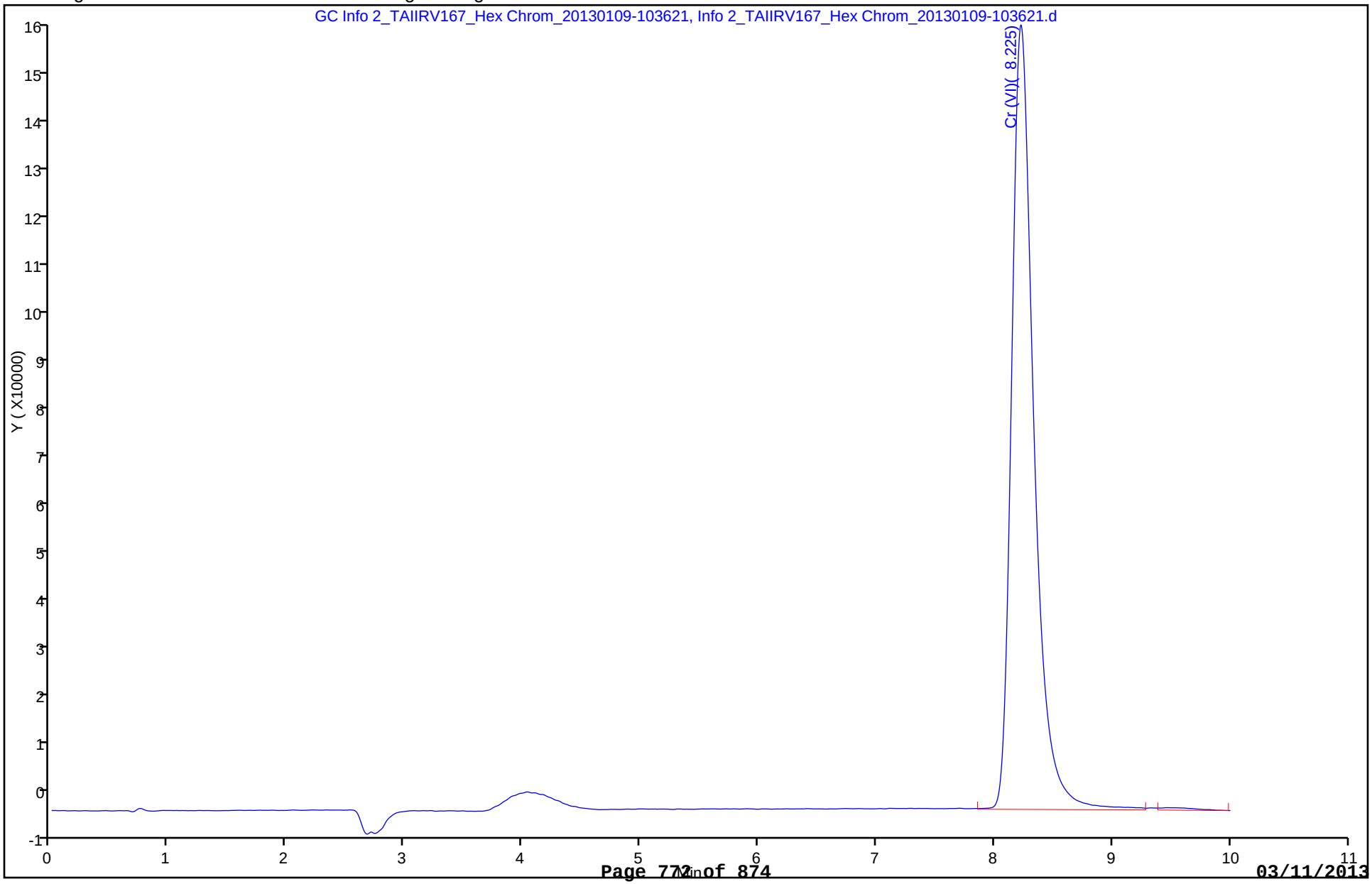
Report Date: 09-Jan-2013 12:49:27 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Irvine

Data File: \\Irvchrom\ChromData\IC16\20130109-17250.b\Info 2_TAIIRV167_Hex Chrom_20130109-103621.d

Injection Date:	09-Jan-2013 10:23:00	Limit Group:	IC-7199
Client ID:		Instrument ID:	IC-16
Lims Batch ID:	77774	Lims Sample ID:	24
Operator ID:	irvinorg	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

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



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Irvine Job No.: 480-30346-1

SDG No.:

Lab Sample ID: CCV 440-77774/27 Calibration Date: 01/09/2013 12:19

Instrument ID: IC-16 Calib Start Date: 12/28/2012 08:59

GC Column: AS7 ID: 4.00(mm) Calib End Date: 12/28/2012 10:27

Lab File ID: Info 2_TAIIRV167_Hex Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%REC	%REC LIMITS
Cr (VI)	Lin				51.9	50.0	104	90-110

FORM VII 7199

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Irvine Job No.: 480-30346-1

SDG No.:

Lab Sample ID: CCV 440-77774/27 Calibration Date: 01/09/2013 12:19

Instrument ID: IC-16 Calib Start Date: 12/28/2012 08:59

GC Column: AS7 ID: 4.00(mm) Calib End Date: 12/28/2012 10:27

Lab File ID: Info 2_TAIIRV167_Hex

Analyte	RT	RT WINDOW	
		FROM	TO
Cr (VI)	8.23	7.85	8.68

TestAmerica Irvine
Target Compound Quantitation Report

Data File:	\\Irvchrom\ChromData\IC16\20130109-17250.b\Info 2_TAIIRV167_Hex Chrom_20130109-123137.d		
Lims ID:	ccv	Client ID:	
Inject. Date:	09-Jan-2013 12:19:00	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	440-0017250-027		
Misc. Info.:	440-0017250-027		
Operator:	irvinorg	Instrument ID:	IC-16
Injection Vol:	1.0 ul	ALS Bottle#:	0
Lims Batch ID:	77774	Lims Sample ID:	27
Sublist:	chrom-218.6_16*sub1		
Raw Data:	Smoothed		
Detector:	GC Info 2_TAIIRV167_Hex Chrom_20130109-123137		
Method:	\\Irvchrom\ChromData\IC16\20130109-17250.b\218.6_16.m		
Method Label:	HEX CHROME		
Last Update:	09-Jan-2013 12:49:28	Calib Date:	28-Dec-2012 10:27:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Irvchrom\ChromData\IC16\20121228-16809.b\Info 2_TAIIRV167_Hex Chrom_20121228-104026.d		
Limit Group:	IC-7199		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK028		

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
1 Cr (VI)	8.225	8.262	-0.037	1968158	51.9	

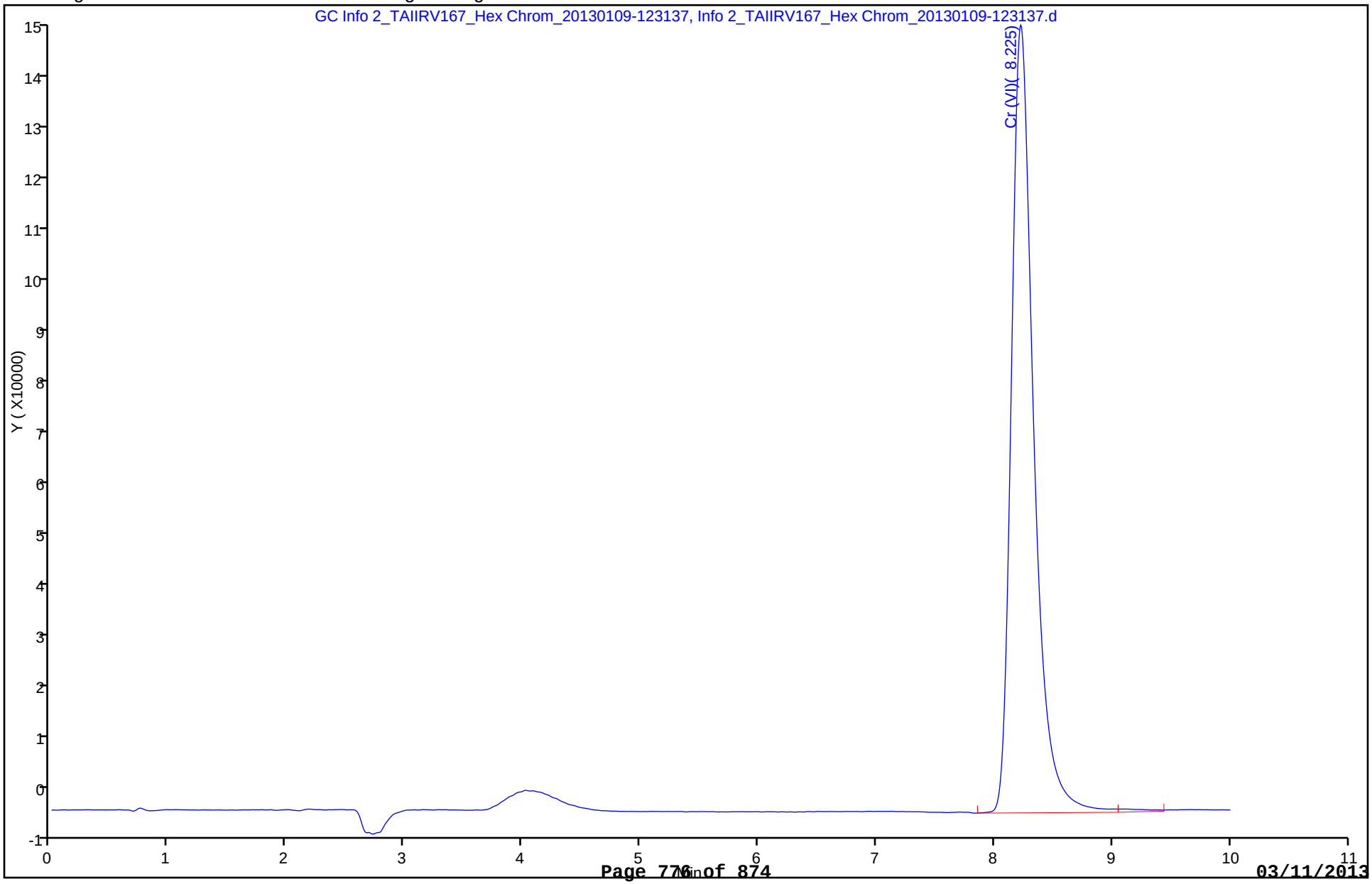
Report Date: 09-Jan-2013 12:49:28 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Irvine

Data File: \\Irvchrom\ChromData\IC16\20130109-17250.b\Info 2_TAIIRV167_Hex Chrom_20130109-123137.d

Injection Date:	09-Jan-2013 12:19:00	Limit Group:	IC-7199
Client ID:		Instrument ID:	IC-16
Lims Batch ID:	77774	Lims Sample ID:	27
Operator ID:	irvinorg	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

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



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Irvine
Job No.: 480-30346-1
SDG No.:
Client Sample ID:
Lab Sample ID: MB 440-76769/1-A
Matrix: Solid
Lab File ID: Info 2_TAIIRV167_Hex
Analysis Method: 7199
Date Collected:
Extraction Method: 3060A
Date Extracted: 01/03/2013 09:01
Sample wt/vol: 1.2532(g)
Date Analyzed: 01/03/2013 23:06
Con. Extract Vol.: 50(mL)
Dilution Factor: 10
Injection Volume: 1(uL)
GC Column: AS7 ID: 4(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 76762
Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
18540-29-9	Cr (VI)	ND		0.20	0.15

TestAmerica Irvine
Target Compound Quantitation Report

Data File:	\\Irvchrom\ChromData\IC16\20130103-17001.b\Info 2_TAIIRV167_Hex Chrom_20130103-231921.d		
Lims ID:	MB 440-76769/1-A	Client ID:	
Inject. Date:	03-Jan-2013 23:06:00	Dil. Factor:	10.0000
Sample Type:	MB		
Sample ID:	440-0017001-029		
Misc. Info.:	440-0017001-029		
Operator:	irvinorg	Instrument ID:	IC-16
Injection Vol:	1.0 ul	ALS Bottle#:	0
Lims Batch ID:	76762	Lims Sample ID:	29
Raw Data:	Smoothed		
Detector:	GC Info 2_TAIIRV167_Hex Chrom_20130103-231921		
Method:	\\Irvchrom\ChromData\IC16\20130103-17001.b\218.6_16.m		
Method Label:	HEX CHROME		
Last Update:	04-Jan-2013 00:34:24	Calib Date:	28-Dec-2012 10:27:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Irvchrom\ChromData\IC16\20121228-16809.b\Info 2_TAIIRV167_Hex Chrom_20121228-104026.d		
Limit Group:	IC-7199		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK018		

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags

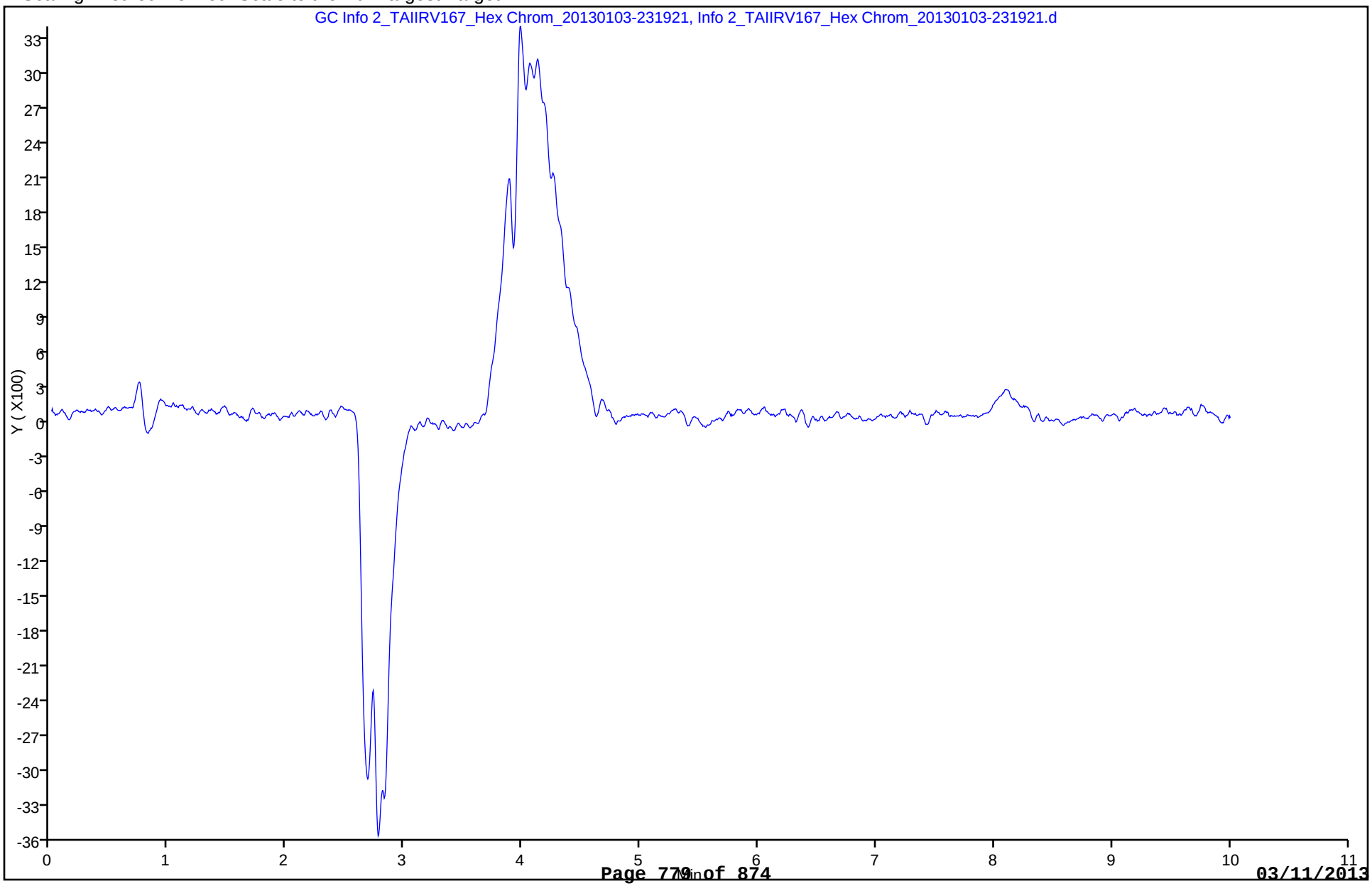
Report Date: 03-Jan-2013 23:53:58 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Irvine

Data File: \\Irvchrom\ChromData\IC16\20130103-17001.b\Info 2_TAIIRV167_Hex Chrom_20130103-231921.d

Injection Date:	03-Jan-2013 23:06:00	Limit Group:	IC-7199
Client ID:		Instrument ID:	IC-16
Lims Batch ID:	76762	Lims Sample ID:	29
Operator ID:	irvinorg	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

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



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Irvine
Job No.: 480-30346-1
SDG No.:
Client Sample ID:
Lab Sample ID: MB 440-77607/1-A
Matrix: Solid
Lab File ID: Info 2_TAIIRV167_Hex
Analysis Method: 7199
Date Collected:
Extraction Method: 3060A
Date Extracted: 01/08/2013 11:55
Sample wt/vol: 126(g)
Date Analyzed: 01/09/2013 08:29
Con. Extract Vol.: 50(mL)
Dilution Factor: 10
Injection Volume: 1(uL)
GC Column: AS7 ID: 4(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 77774
Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
18540-29-9	Cr (VI)	ND		0.0020	0.0015

TestAmerica Irvine
Target Compound Quantitation Report

Data File:	\\Irvchrom\ChromData\IC16\20130109-17250.b\Info 2_TAIIRV167_Hex Chrom_20130109-084213.d		
Lims ID:	MB 440-77607/1-A	Client ID:	
Inject. Date:	09-Jan-2013 08:29:00	Dil. Factor:	10.0000
Sample Type:	MB		
Sample ID:	440-0017250-015		
Misc. Info.:	440-0017250-015		
Operator:	irvinorg	Instrument ID:	IC-16
Injection Vol:	1.0 ul	ALS Bottle#:	0
Lims Batch ID:	77774	Lims Sample ID:	15
Raw Data:	Smoothed		
Detector:	GC Info 2_TAIIRV167_Hex Chrom_20130109-084213		
Method:	\\Irvchrom\ChromData\IC16\20130109-17250.b\218.6_16.m		
Method Label:	HEX CHROME		
Last Update:	09-Jan-2013 12:49:18	Calib Date:	28-Dec-2012 10:27:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Irvchrom\ChromData\IC16\20121228-16809.b\Info 2_TAIIRV167_Hex Chrom_20121228-104026.d		
Limit Group:	IC-7199		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK028		

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags

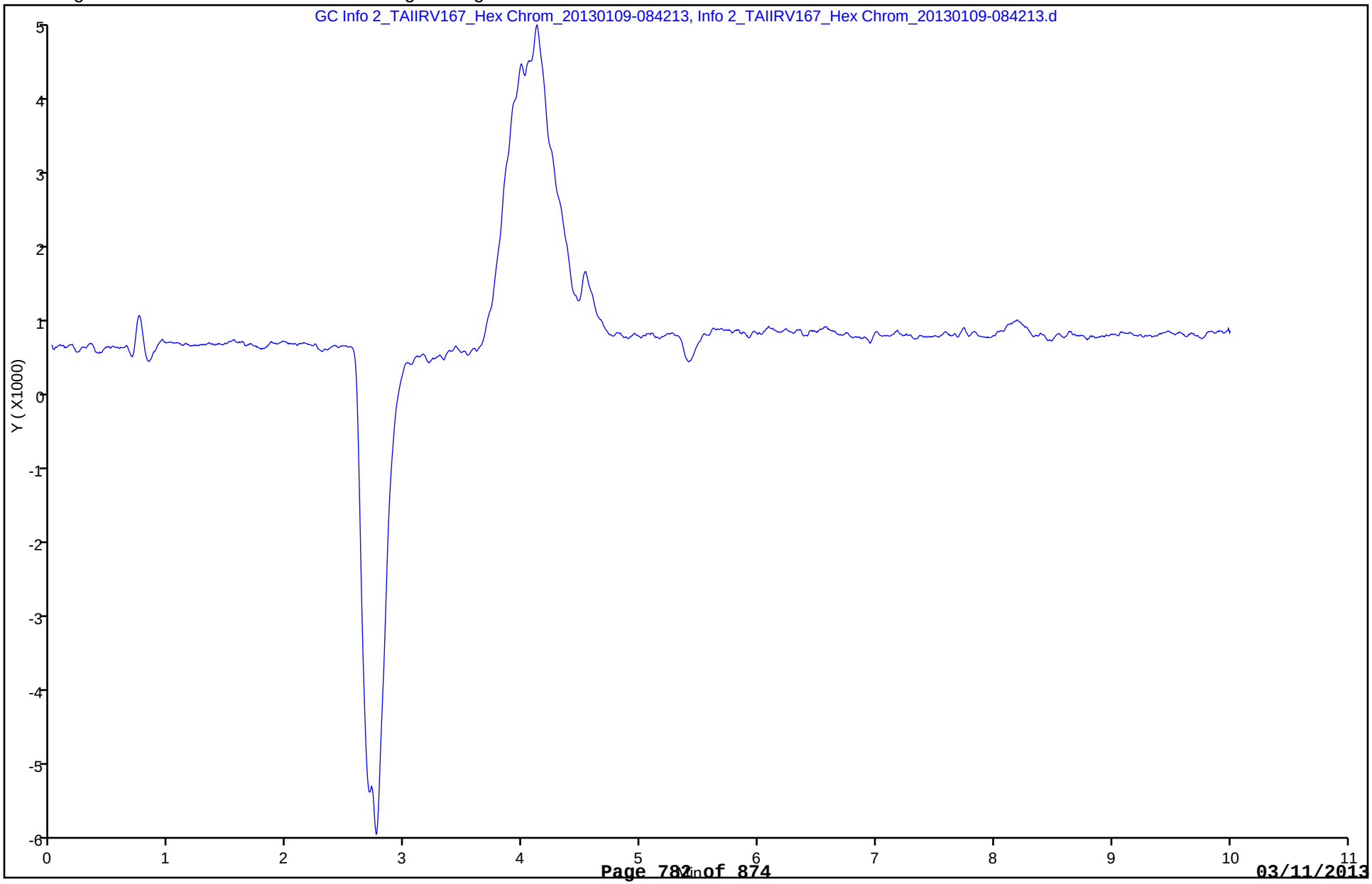
Report Date: 09-Jan-2013 12:49:19 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Irvine

Data File: \\Irvchrom\ChromData\IC16\20130109-17250.b\Info 2_TAIIRV167_Hex Chrom_20130109-084213.d

Injection Date:	09-Jan-2013 08:29:00	Limit Group:	IC-7199
Client ID:		Instrument ID:	IC-16
Lims Batch ID:	77774	Lims Sample ID:	15
Operator ID:	irvinorg	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

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



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Irvine
Job No.: 480-30346-1
SDG No.:
Client Sample ID:
Lab Sample ID: CCB 440-76762/28
Matrix: Solid
Lab File ID: Info 2_TAIIRV167_Hex
Analysis Method: 7199
Date Collected:
Extraction Method:
Date Extracted:
Sample wt/vol: 10(mL)
Date Analyzed: 01/03/2013 22:08
Con. Extract Vol.:
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: AS7 ID: 4(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 76762
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
18540-29-9	Cr (VI)	ND		2.0	0.25

TestAmerica Irvine
Target Compound Quantitation Report

Data File:	\\Irvchrom\ChromData\IC16\20130103-17001.b\Info 2_TAIIRV167_Hex Chrom_20130103-222051.d		
Lims ID:	CCB	Client ID:	
Inject. Date:	03-Jan-2013 22:08:00	Dil. Factor:	1.0000
Sample Type:	CCB		
Sample ID:	440-0017001-028		
Misc. Info.:	440-0017001-028		
Operator:	irvinorg	Instrument ID:	IC-16
Injection Vol:	1.0 ul	ALS Bottle#:	0
Lims Batch ID:	76762	Lims Sample ID:	28
Raw Data:	Smoothed		
Detector:	GC Info 2_TAIIRV167_Hex Chrom_20130103-222051		
Method:	\\Irvchrom\ChromData\IC16\20130103-17001.b\218.6_16.m		
Method Label:	HEX CHROME		
Last Update:	03-Jan-2013 22:51:37	Calib Date:	28-Dec-2012 10:27:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Irvchrom\ChromData\IC16\20121228-16809.b\Info 2_TAIIRV167_Hex Chrom_20121228-104026.d		
Limit Group:	IC-7199		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK018		

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags

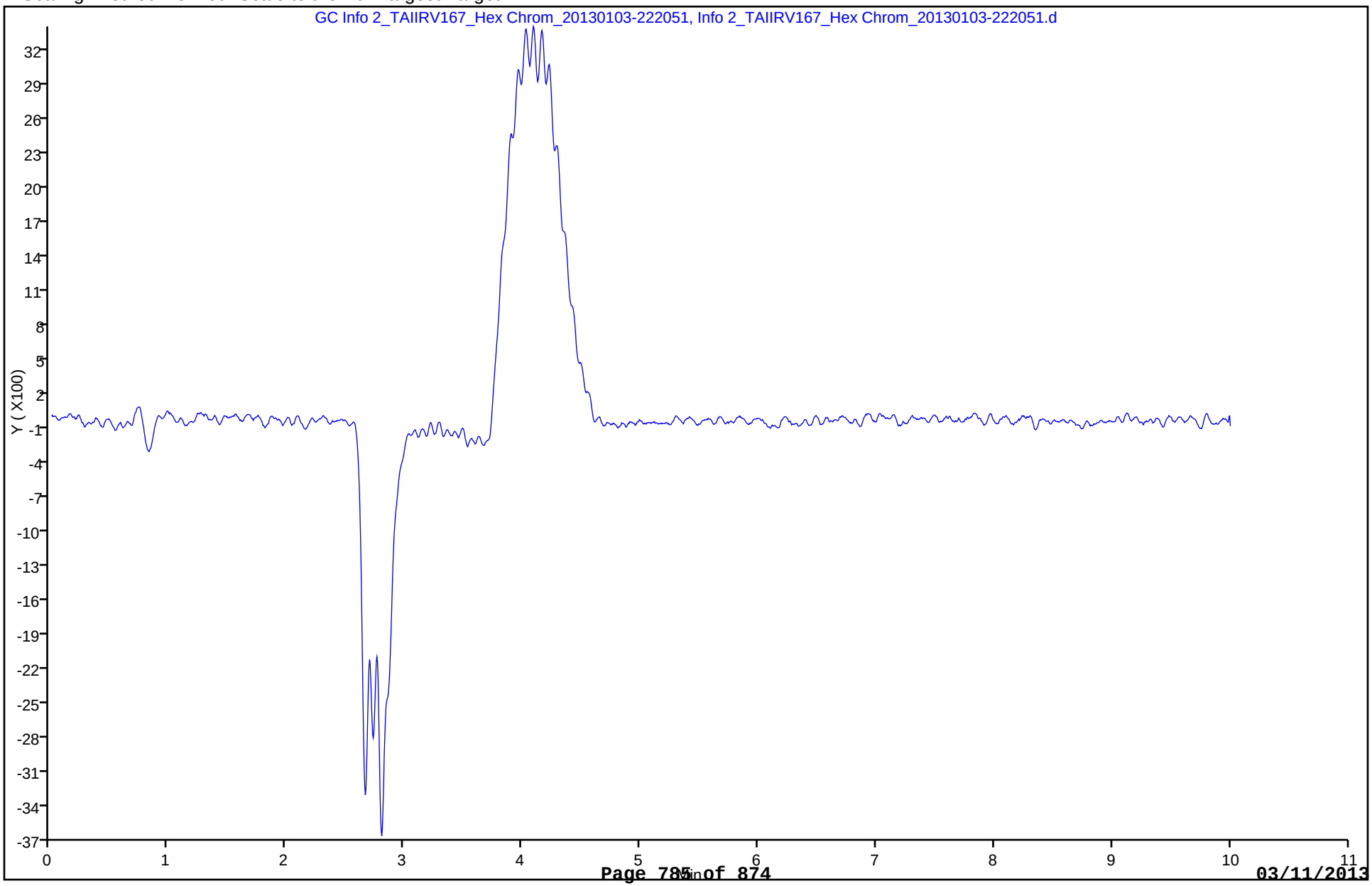
Report Date: 03-Jan-2013 22:51:38 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Irvine

Data File: \\Irvchrom\ChromData\IC16\20130103-17001.b\Info 2_TAIIRV167_Hex Chrom_20130103-222051.d

Injection Date:	03-Jan-2013 22:08:00	Limit Group:	IC-7199
Client ID:		Instrument ID:	IC-16
Lims Batch ID:	76762	Lims Sample ID:	28
Operator ID:	irvinorg	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

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



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Irvine
Job No.: 480-30346-1
SDG No.:
Client Sample ID:
Lab Sample ID: CCB 440-76762/40
Matrix: Solid
Lab File ID: Info 2_TAIIRV167_Hex
Analysis Method: 7199
Date Collected:
Extraction Method:
Date Extracted:
Sample wt/vol: 10(mL)
Date Analyzed: 01/04/2013 01:26
Con. Extract Vol.:
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: AS7 ID: 4(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 76762
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
18540-29-9	Cr (VI)	ND		2.0	0.25

TestAmerica Irvine
Target Compound Quantitation Report

Data File:	\\Irvchrom\ChromData\IC16\20130103-17001.b\Info 2_TAIIRV167_Hex Chrom_20130104-013837.d		
Lims ID:	CCB	Client ID:	
Inject. Date:	04-Jan-2013 01:26:00	Dil. Factor:	1.0000
Sample Type:	CCB		
Sample ID:	440-0017001-040		
Misc. Info.:	440-0017001-040		
Operator:	irvinorg	Instrument ID:	IC-16
Injection Vol:	1.0 ul	ALS Bottle#:	0
Lims Batch ID:	76762	Lims Sample ID:	40
Raw Data:	Smoothed		
Detector:	GC Info 2_TAIIRV167_Hex Chrom_20130104-013837		
Method:	\\Irvchrom\ChromData\IC16\20130103-17001.b\218.6_16.m		
Method Label:	HEX CHROME		
Last Update:	04-Jan-2013 06:27:18	Calib Date:	28-Dec-2012 10:27:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Irvchrom\ChromData\IC16\20121228-16809.b\Info 2_TAIIRV167_Hex Chrom_20121228-104026.d		
Limit Group:	IC-7199		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK009		

First Level Reviewer: nikbakhtm Date: 04-Jan-2013 06:27:53

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags

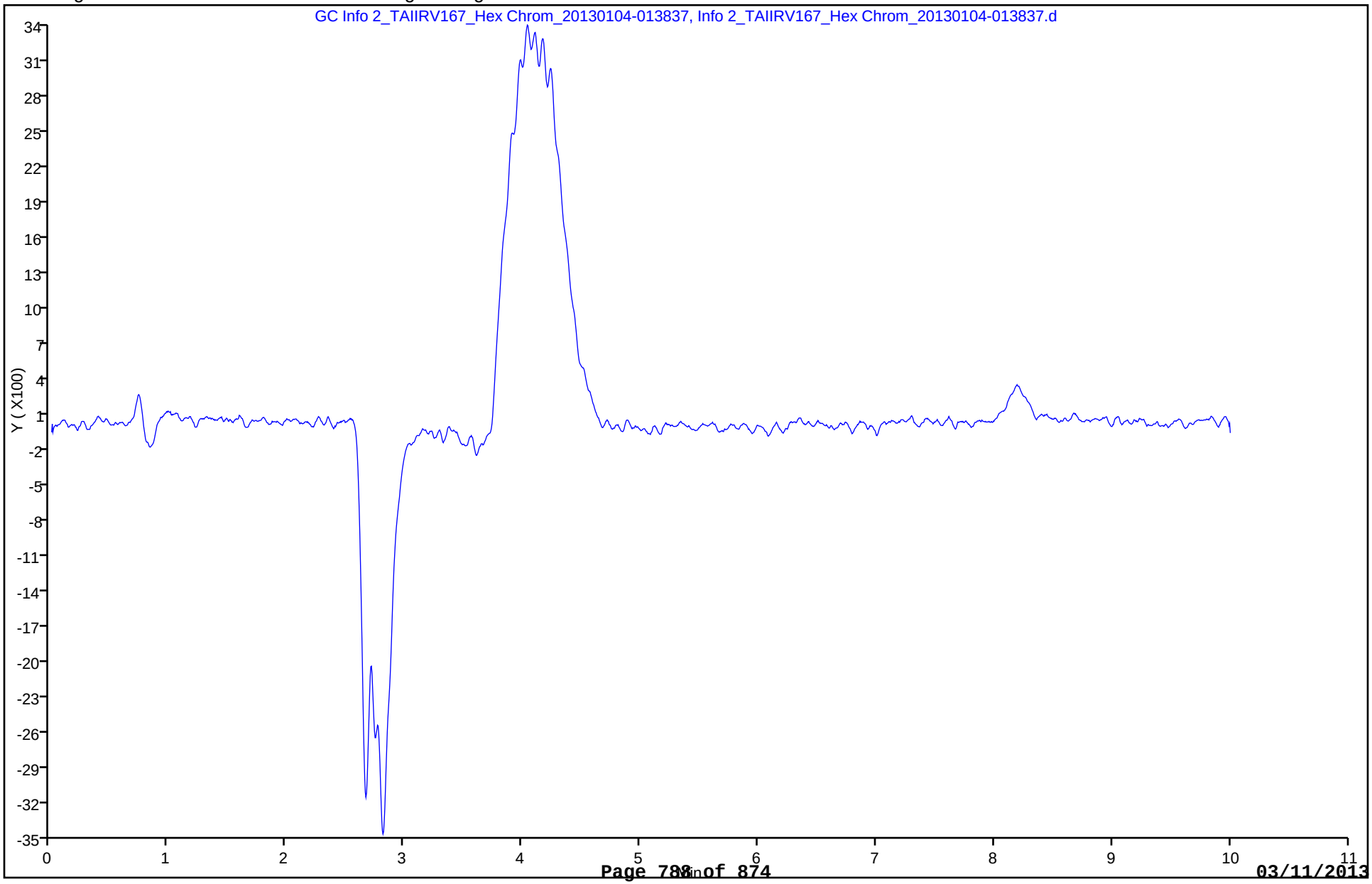
Report Date: 04-Jan-2013 06:27:54 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Irvine

Data File: \\Irvchrom\ChromData\IC16\20130103-17001.b\Info 2_TAIIRV167_Hex Chrom_20130104-013837.d

Injection Date:	04-Jan-2013 01:26:00	Limit Group:	IC-7199
Client ID:		Instrument ID:	IC-16
Lims Batch ID:	76762	Lims Sample ID:	40
Operator ID:	irvinorg	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

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



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Irvine
Job No.: 480-30346-1
SDG No.:
Client Sample ID:
Lab Sample ID: CCB 440-76762/52
Matrix: Solid
Lab File ID: Info 2_TAIIRV167_Hex
Analysis Method: 7199
Date Collected:
Extraction Method:
Date Extracted:
Sample wt/vol: 10(mL)
Date Analyzed: 01/04/2013 03:57
Con. Extract Vol.:
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: AS7 ID: 4(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 76762
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
18540-29-9	Cr (VI)	ND		2.0	0.25

TestAmerica Irvine
Target Compound Quantitation Report

Data File:	\\Irvchrom\ChromData\IC16\20130103-17001.b\Info 2_TAIIRV167_Hex Chrom_20130104-041031.d		
Lims ID:	CCB	Client ID:	
Inject. Date:	04-Jan-2013 03:57:00	Dil. Factor:	1.0000
Sample Type:	CCB		
Sample ID:	440-0017001-052		
Misc. Info.:	440-0017001-052		
Operator:	irvinorg	Instrument ID:	IC-16
Injection Vol:	1.0 ul	ALS Bottle#:	0
Lims Batch ID:	76762	Lims Sample ID:	52
Raw Data:	Smoothed		
Detector:	GC Info 2_TAIIRV167_Hex Chrom_20130104-041031		
Method:	\\Irvchrom\ChromData\IC16\20130103-17001.b\218.6_16.m		
Method Label:	HEX CHROME		
Last Update:	04-Jan-2013 06:29:39	Calib Date:	28-Dec-2012 10:27:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Irvchrom\ChromData\IC16\20121228-16809.b\Info 2_TAIIRV167_Hex Chrom_20121228-104026.d		
Limit Group:	IC-7199		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK009		

First Level Reviewer: nikbakhtm Date: 04-Jan-2013 06:29:47

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
1 Cr (VI)	8.205	8.262	-0.057	7120	-0.002212	

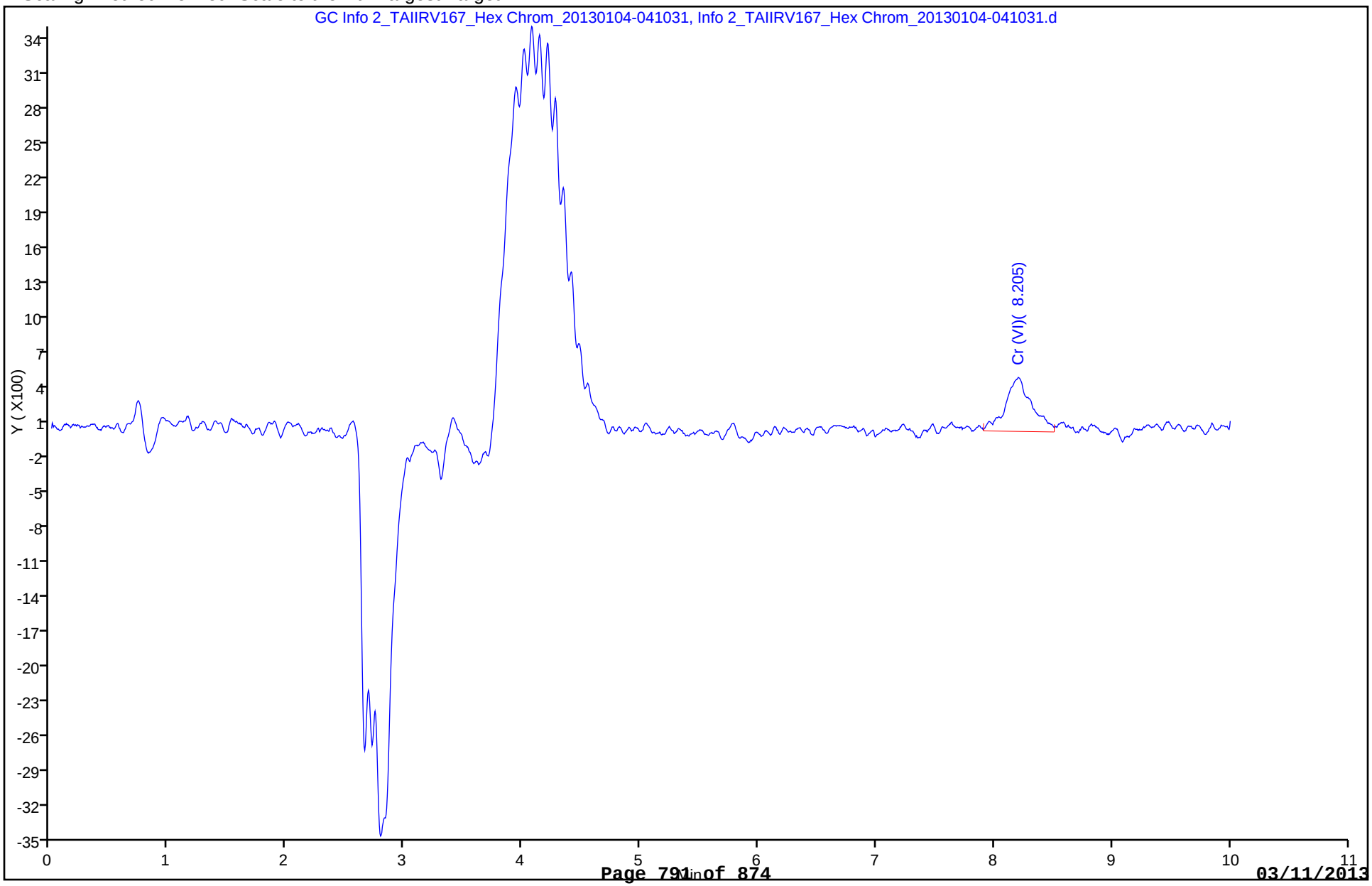
Report Date: 04-Jan-2013 06:29:47 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Irvine

Data File: \\Irvchrom\ChromData\IC16\20130103-17001.b\Info 2_TAIIRV167_Hex Chrom_20130104-041031.d

Injection Date:	04-Jan-2013 03:57:00	Limit Group:	IC-7199
Client ID:		Instrument ID:	IC-16
Lims Batch ID:	76762	Lims Sample ID:	52
Operator ID:	irvinorg	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

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



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Irvine
Job No.: 480-30346-1
SDG No.:
Client Sample ID:
Lab Sample ID: CCB 440-77774/14
Matrix: Solid
Lab File ID: Info 2_TAIIRV167_Hex
Analysis Method: 7199
Date Collected:
Extraction Method:
Date Extracted:
Sample wt/vol: 10(mL)
Date Analyzed: 01/09/2013 08:03
Con. Extract Vol.:
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: AS7 ID: 4(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 77774
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
18540-29-9	Cr (VI)	ND		2.0	0.25

TestAmerica Irvine
Target Compound Quantitation Report

Data File:	\\Irvchrom\ChromData\IC16\20130109-17250.b\Info 2_TAIIRV167_Hex Chrom_20130109-081633.d		
Lims ID:	ccb	Client ID:	
Inject. Date:	09-Jan-2013 08:03:00	Dil. Factor:	1.0000
Sample Type:	CCB		
Sample ID:	440-0017250-014		
Misc. Info.:	440-0017250-014		
Operator:	irvinorg	Instrument ID:	IC-16
Injection Vol:	1.0 ul	ALS Bottle#:	0
Lims Batch ID:	77774	Lims Sample ID:	14
Raw Data:	Smoothed		
Detector:	GC Info 2_TAIIRV167_Hex Chrom_20130109-081633		
Method:	\\Irvchrom\ChromData\IC16\20130109-17250.b\218.6_16.m		
Method Label:	HEX CHROME		
Last Update:	09-Jan-2013 09:05:58	Calib Date:	28-Dec-2012 10:27:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Irvchrom\ChromData\IC16\20121228-16809.b\Info 2_TAIIRV167_Hex Chrom_20121228-104026.d		
Limit Group:	IC-7199		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK033		

First Level Reviewer: nikbakhtm Date: 09-Jan-2013 08:22:55

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags

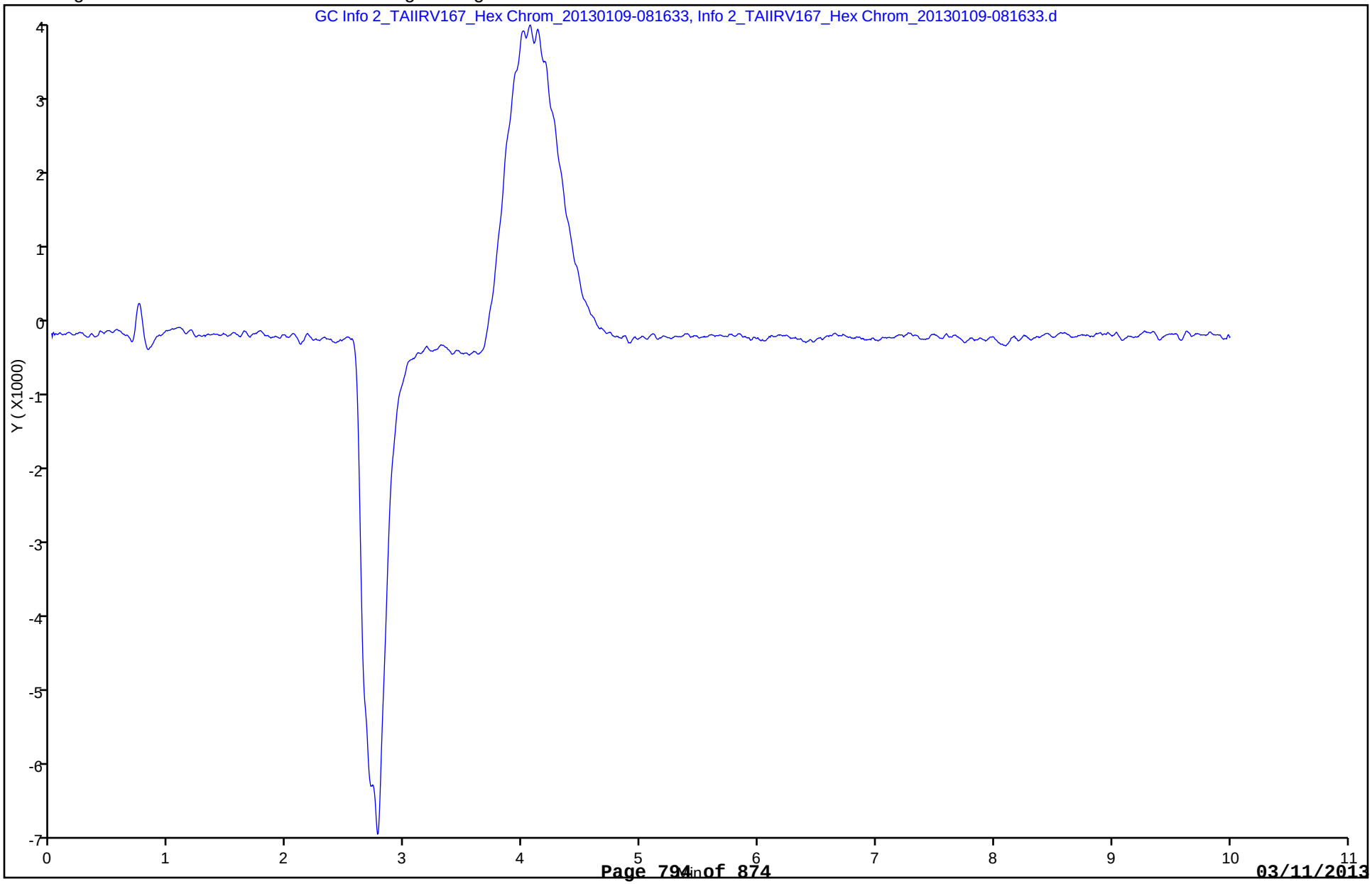
Report Date: 09-Jan-2013 08:22:55 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Irvine

Data File: \\Irvchrom\ChromData\IC16\20130109-17250.b\Info 2_TAIIRV167_Hex Chrom_20130109-081633.d

Injection Date:	09-Jan-2013 08:03:00	Limit Group:	IC-7199
Client ID:		Instrument ID:	IC-16
Lims Batch ID:	77774	Lims Sample ID:	14
Operator ID:	irvinorg	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

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



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Irvine
Job No.: 480-30346-1
SDG No.:
Client Sample ID:
Lab Sample ID: CCB 440-77774/25
Matrix: Solid
Lab File ID: Info 2_TAIIRV167_Hex
Analysis Method: 7199
Date Collected:
Extraction Method:
Date Extracted:
Sample wt/vol: 10(mL)
Date Analyzed: 01/09/2013 10:36
Con. Extract Vol.:
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: AS7 ID: 4(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 77774
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
18540-29-9	Cr (VI)	ND		2.0	0.25

TestAmerica Irvine
Target Compound Quantitation Report

Data File:	\\Irvchrom\ChromData\IC16\20130109-17250.b\Info 2_TAIIRV167_Hex Chrom_20130109-104901.d		
Lims ID:	CCB	Client ID:	
Inject. Date:	09-Jan-2013 10:36:00	Dil. Factor:	1.0000
Sample Type:	CCB		
Sample ID:	440-0017250-025		
Misc. Info.:	440-0017250-025		
Operator:	irvinorg	Instrument ID:	IC-16
Injection Vol:	1.0 ul	ALS Bottle#:	0
Lims Batch ID:	77774	Lims Sample ID:	25
Raw Data:	Smoothed		
Detector:	GC Info 2_TAIIRV167_Hex Chrom_20130109-104901		
Method:	\\Irvchrom\ChromData\IC16\20130109-17250.b\218.6_16.m		
Method Label:	HEX CHROME		
Last Update:	09-Jan-2013 12:49:26	Calib Date:	28-Dec-2012 10:27:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Irvchrom\ChromData\IC16\20121228-16809.b\Info 2_TAIIRV167_Hex Chrom_20121228-104026.d		
Limit Group:	IC-7199		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK028		

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags

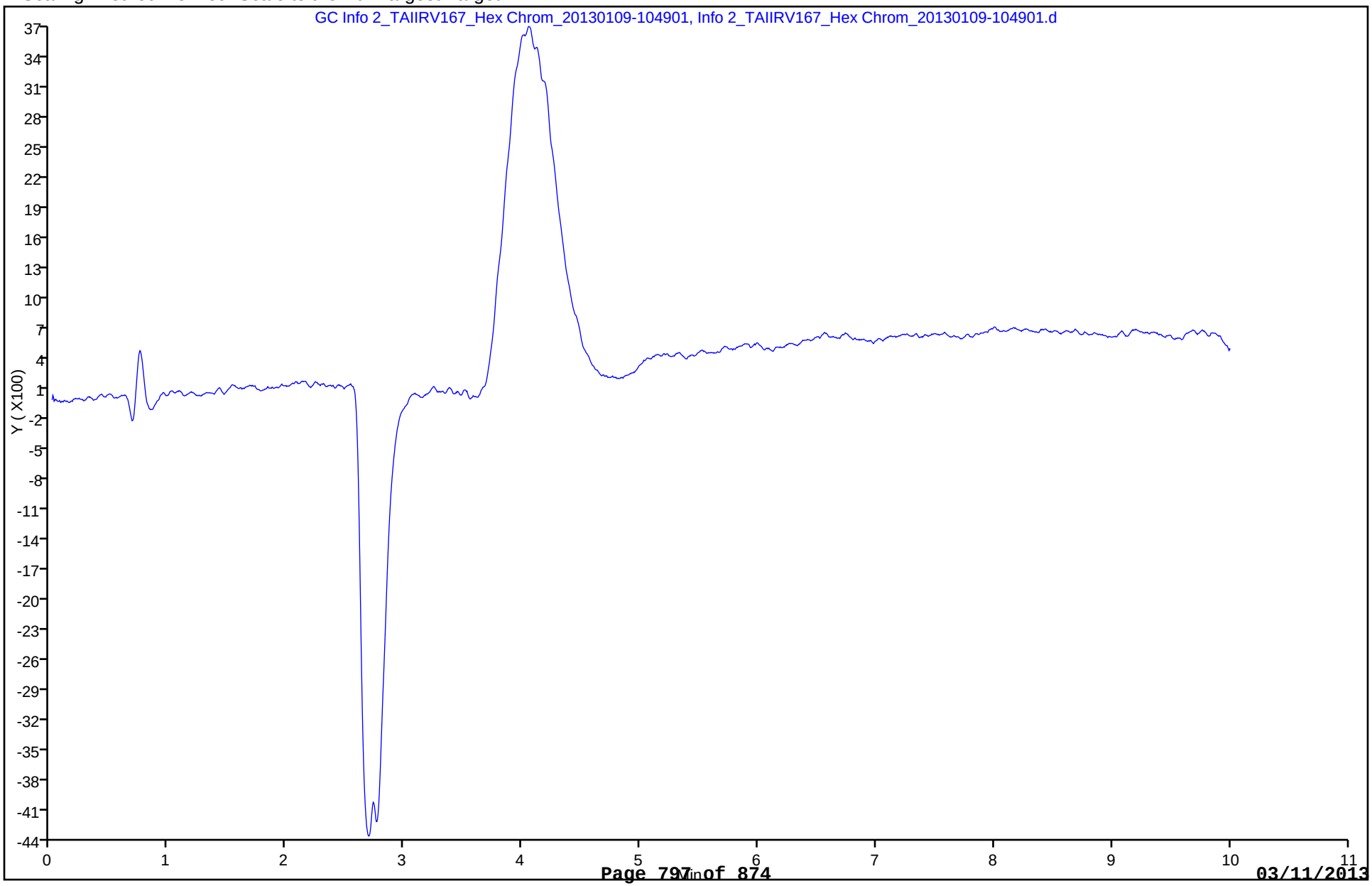
Report Date: 09-Jan-2013 12:49:27 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Irvine

Data File: \\Irvchrom\ChromData\IC16\20130109-17250.b\Info 2_TAIIRV167_Hex Chrom_20130109-104901.d

Injection Date:	09-Jan-2013 10:36:00	Limit Group:	IC-7199
Client ID:		Instrument ID:	IC-16
Lims Batch ID:	77774	Lims Sample ID:	25
Operator ID:	irvinorg	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

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



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Irvine
Job No.: 480-30346-1
SDG No.:
Client Sample ID:
Lab Sample ID: CCB 440-77774/28
Matrix: Solid
Lab File ID: Info 2_TAIIRV167_Hex
Analysis Method: 7199
Date Collected:
Extraction Method:
Date Extracted:
Sample wt/vol: 10(mL)
Date Analyzed: 01/09/2013 12:31
Con. Extract Vol.:
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: AS7 ID: 4(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 77774
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
18540-29-9	Cr (VI)	ND		2.0	0.25

TestAmerica Irvine
Target Compound Quantitation Report

Data File:	\\Irvchrom\ChromData\IC16\20130109-17250.b\Info 2_TAIIRV167_Hex Chrom_20130109-124417.d		
Lims ID:	ccb	Client ID:	
Inject. Date:	09-Jan-2013 12:31:00	Dil. Factor:	1.0000
Sample Type:	CCB		
Sample ID:	440-0017250-028		
Misc. Info.:	440-0017250-028		
Operator:	irvinorg	Instrument ID:	IC-16
Injection Vol:	1.0 ul	ALS Bottle#:	0
Lims Batch ID:	77774	Lims Sample ID:	28
Raw Data:	Smoothed		
Detector:	GC Info 2_TAIIRV167_Hex Chrom_20130109-124417		
Method:	\\Irvchrom\ChromData\IC16\20130109-17250.b\218.6_16.m		
Method Label:	HEX CHROME		
Last Update:	09-Jan-2013 12:49:28	Calib Date:	28-Dec-2012 10:27:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Irvchrom\ChromData\IC16\20121228-16809.b\Info 2_TAIIRV167_Hex Chrom_20121228-104026.d		
Limit Group:	IC-7199		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK028		

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags

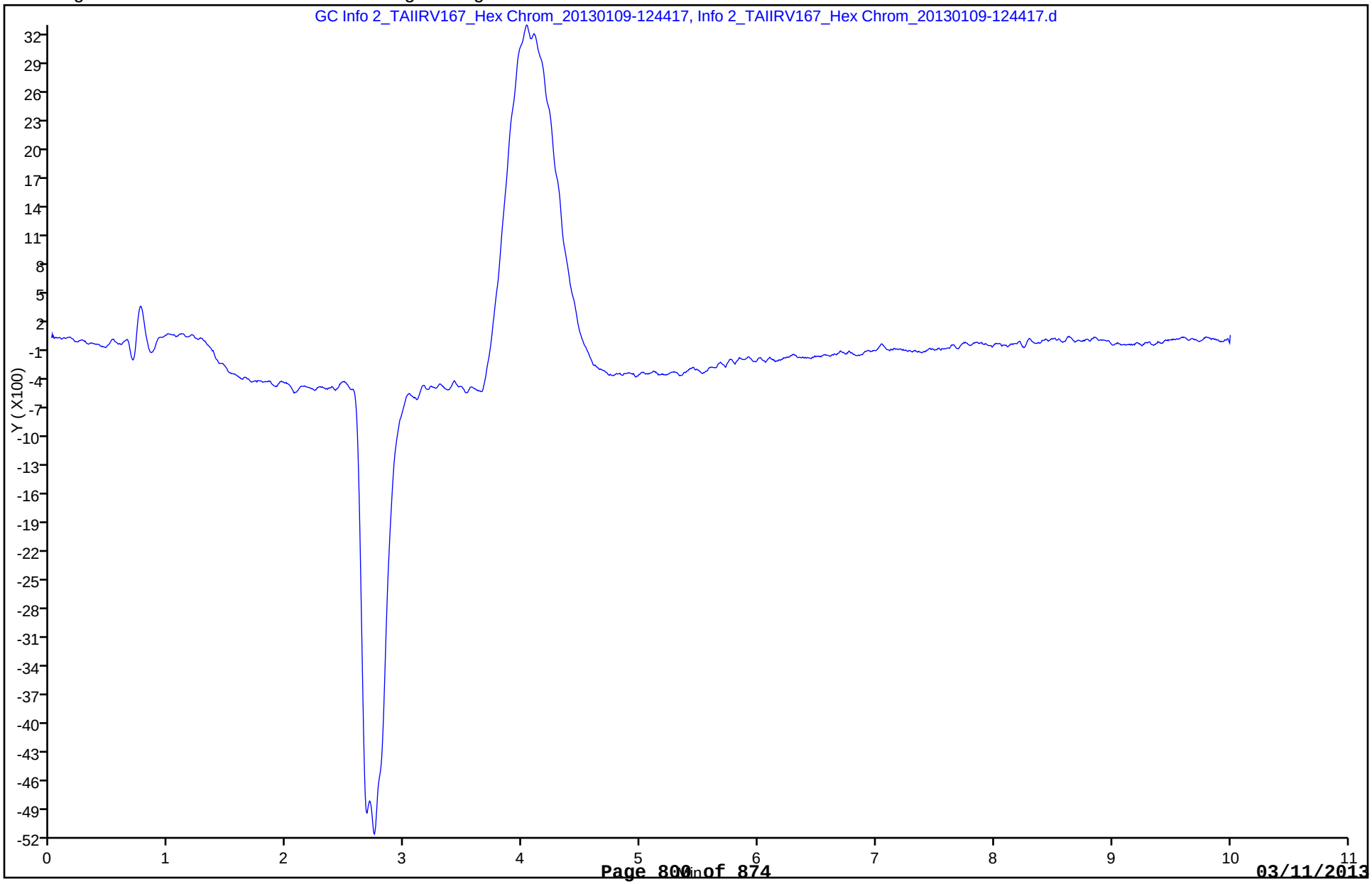
Report Date: 09-Jan-2013 12:49:29 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Irvine

Data File: \\Irvchrom\ChromData\IC16\20130109-17250.b\Info 2_TAIIRV167_Hex Chrom_20130109-124417.d

Injection Date:	09-Jan-2013 12:31:00	Limit Group:	IC-7199
Client ID:		Instrument ID:	IC-16
Lims Batch ID:	77774	Lims Sample ID:	28
Operator ID:	irvinorg	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

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



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Irvine
Job No.: 480-30346-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCS 440-76769/2-A
Matrix: Solid
Lab File ID: Info 2_TAIIRV167_Hex
Analysis Method: 7199
Date Collected:
Extraction Method: 3060A
Date Extracted: 01/03/2013 09:01
Sample wt/vol: 1.2563(g)
Date Analyzed: 01/03/2013 23:19
Con. Extract Vol.: 50(mL)
Dilution Factor: 10
Injection Volume: 1(uL)
GC Column: AS7 ID: 4(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 76762
Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
18540-29-9	Cr (VI)	11.9		0.20	0.15

TestAmerica Irvine
Target Compound Quantitation Report

Data File:	\\Irvchrom\ChromData\IC16\20130103-17001.b\Info 2_TAIIRV167_Hex Chrom_20130103-233201.d		
Lims ID:	LCS 440-76769/2-A	Client ID:	
Inject. Date:	03-Jan-2013 23:19:00	Dil. Factor:	10.0000
Sample Type:	LCS		
Sample ID:	440-0017001-030		
Misc. Info.:	440-0017001-030		
Operator:	irvinorg	Instrument ID:	IC-16
Injection Vol:	1.0 ul	ALS Bottle#:	0
Lims Batch ID:	76762	Lims Sample ID:	30
Raw Data:	Smoothed		
Detector:	GC Info 2_TAIIRV167_Hex Chrom_20130103-233201		
Method:	\\Irvchrom\ChromData\IC16\20130103-17001.b\218.6_16.m		
Method Label:	HEX CHROME		
Last Update:	04-Jan-2013 00:34:24	Calib Date:	28-Dec-2012 10:27:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Irvchrom\ChromData\IC16\20121228-16809.b\Info 2_TAIIRV167_Hex Chrom_20121228-104026.d		
Limit Group:	IC-7199		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK018		

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
1 Cr (VI)	8.107	8.262	-0.155	1136089	29.9	

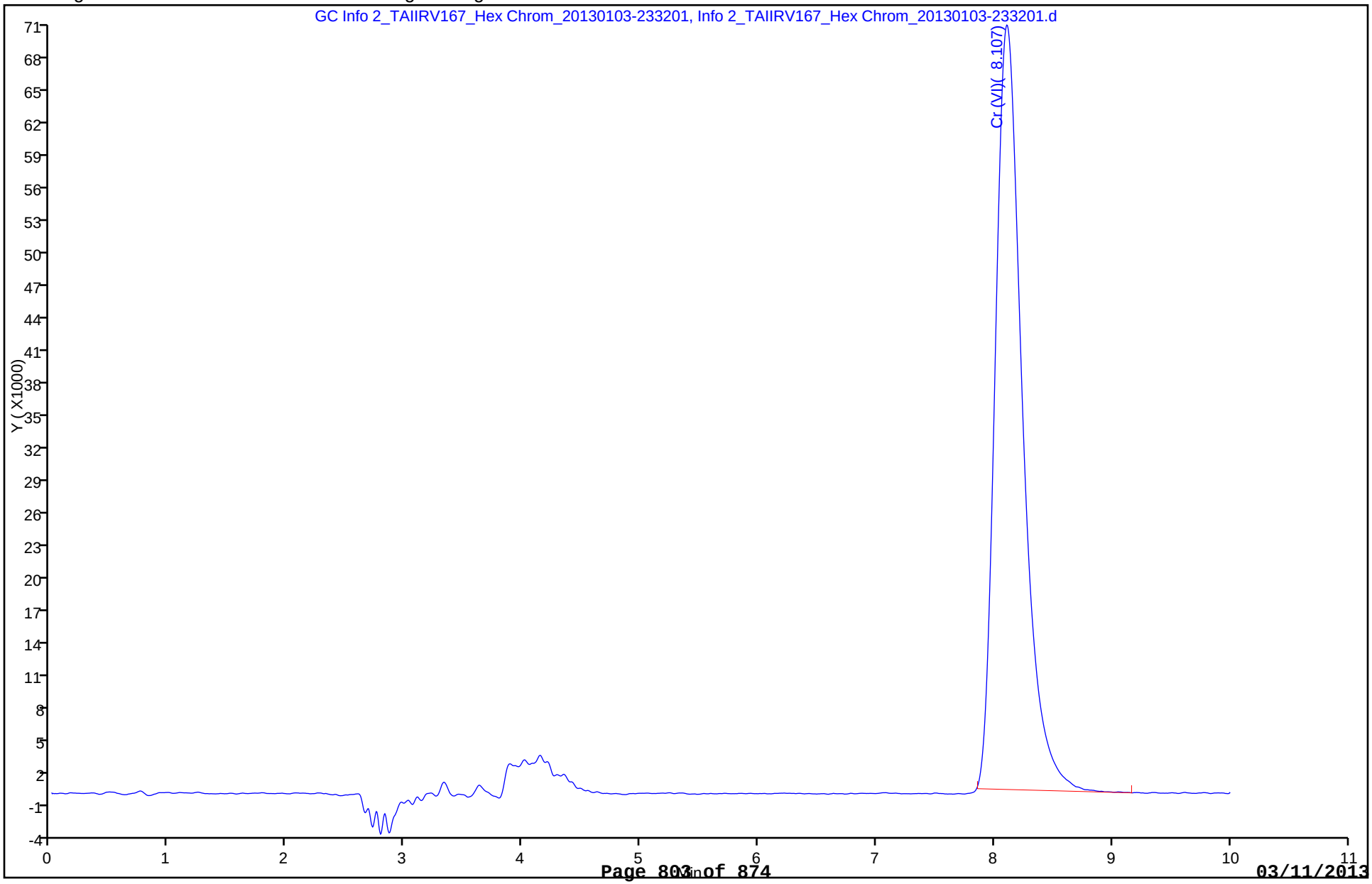
Report Date: 03-Jan-2013 23:53:59 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Irvine

Data File: \\Irvchrom\ChromData\IC16\20130103-17001.b\Info 2_TAIIRV167_Hex Chrom_20130103-233201.d

Injection Date:	03-Jan-2013 23:19:00	Limit Group:	IC-7199
Client ID:		Instrument ID:	IC-16
Lims Batch ID:	76762	Lims Sample ID:	30
Operator ID:	irvinorg	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

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



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Irvine
Job No.: 480-30346-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCS 440-77607/2-A
Matrix: Solid
Lab File ID: Info 2_TAIIRV167_Hex
Analysis Method: 7199
Date Collected:
Extraction Method: 3060A
Date Extracted: 01/08/2013 11:55
Sample wt/vol: 1.26(g)
Date Analyzed: 01/09/2013 08:42
Con. Extract Vol.: 50(mL)
Dilution Factor: 10
Injection Volume: 1(uL)
GC Column: AS7 ID: 4(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 77774
Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
18540-29-9	Cr (VI)	13.6		0.20	0.15

TestAmerica Irvine
Target Compound Quantitation Report

Data File:	\\Irvchrom\ChromData\IC16\20130109-17250.b\Info 2_TAIIRV167_Hex Chrom_20130109-085455.d		
Lims ID:	LCS 440-77607/2-A	Client ID:	
Inject. Date:	09-Jan-2013 08:42:00	Dil. Factor:	10.0000
Sample Type:	LCS		
Sample ID:	440-0017250-016		
Misc. Info.:	440-0017250-016		
Operator:	irvinorg	Instrument ID:	IC-16
Injection Vol:	1.0 ul	ALS Bottle#:	0
Lims Batch ID:	77774	Lims Sample ID:	16
Raw Data:	Smoothed		
Detector:	GC Info 2_TAIIRV167_Hex Chrom_20130109-085455		
Method:	\\Irvchrom\ChromData\IC16\20130109-17250.b\218.6_16.m		
Method Label:	HEX CHROME		
Last Update:	09-Jan-2013 12:49:18	Calib Date:	28-Dec-2012 10:27:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Irvchrom\ChromData\IC16\20121228-16809.b\Info 2_TAIIRV167_Hex Chrom_20121228-104026.d		
Limit Group:	IC-7199		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK028		

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
1 Cr (VI)	8.138	8.262	-0.124	1300424	34.3	

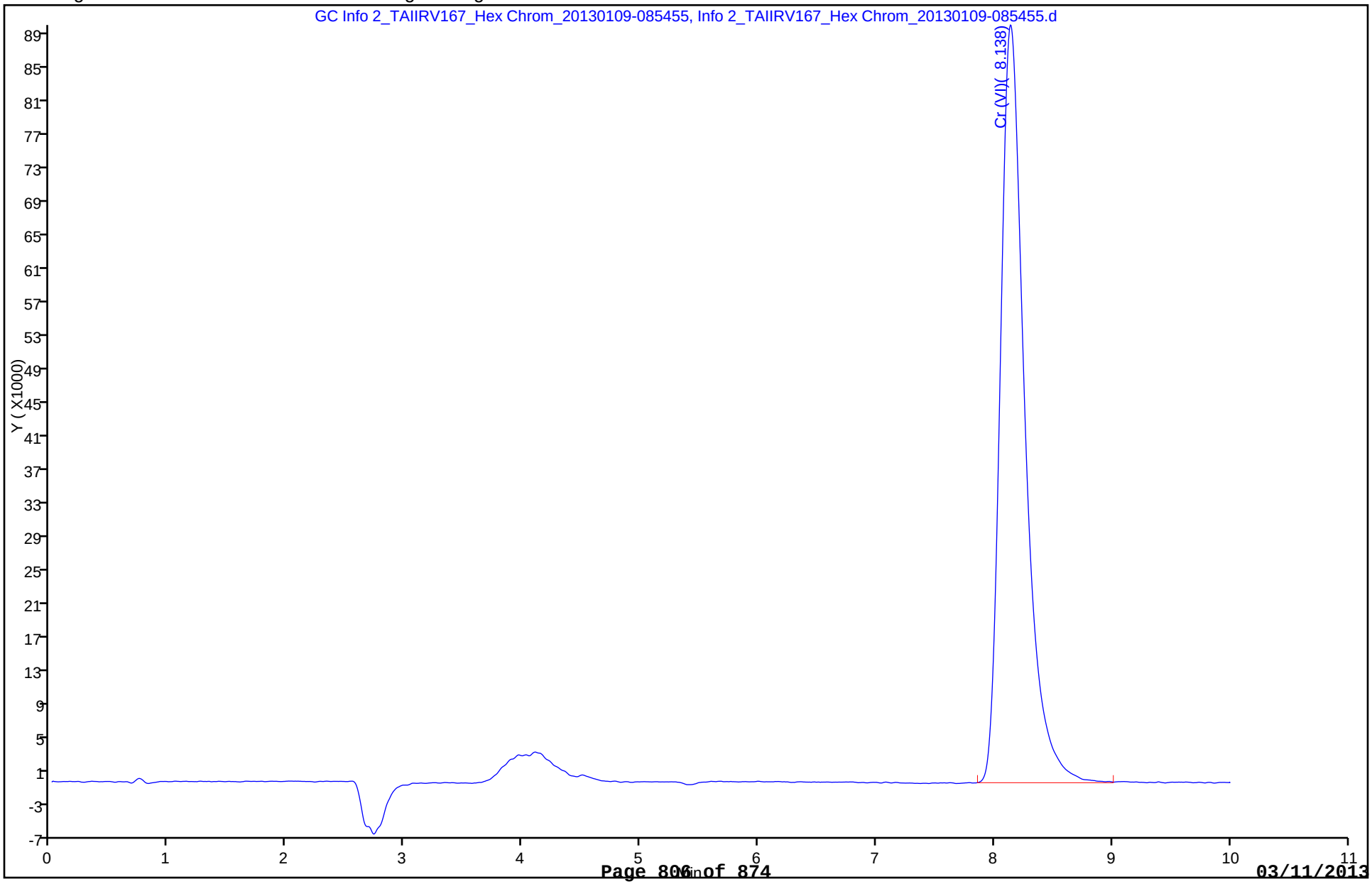
Report Date: 09-Jan-2013 12:49:19 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Irvine

Data File: \\Irvchrom\ChromData\IC16\20130109-17250.b\Info 2_TAIIRV167_Hex Chrom_20130109-085455.d

Injection Date:	09-Jan-2013 08:42:00	Limit Group:	IC-7199
Client ID:		Instrument ID:	IC-16
Lims Batch ID:	77774	Lims Sample ID:	16
Operator ID:	irvinorg	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

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



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Irvine | Job No.: 480-30346-1

SDG No.:

Client Sample ID: OC-SB-521-0.0/1.0-XXX MS | Lab Sample ID: 480-30346-1 MS

Matrix: Solid | Lab File ID: Info 2_TAIIRV167_Hex

Analysis Method: 7199 | Date Collected: 12/14/2012 08:10

Extraction Method: 3060A | Date Extracted: 01/03/2013 09:01

Sample wt/vol: 1.2563(g) | Date Analyzed: 01/03/2013 23:44

Con. Extract Vol.: 50(mL) | Dilution Factor: 1000

Injection Volume: 1(uL) | GC Column: AS7 ID: 4(mm)

% Moisture: 82.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 76762 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
18540-29-9	Cr (VI)	ND		110	85

TestAmerica Irvine
Target Compound Quantitation Report

Data File:	\\Irvchrom\ChromData\IC16\20130103-17001.b\Info 2_TAIIRV167_Hex Chrom_20130103-235720.d		
Lims ID:	480-30346-A-1-G MS	Client ID:	
Inject. Date:	03-Jan-2013 23:44:00	Dil. Factor:	1000.0000
Sample Type:	MS		
Sample ID:	440-0017001-032		
Misc. Info.:	440-0017001-032		
Operator:	irvinorg	Instrument ID:	IC-16
Injection Vol:	1.0 ul	ALS Bottle#:	0
Lims Batch ID:	76762	Lims Sample ID:	32
Raw Data:	Smoothed		
Detector:	GC Info 2_TAIIRV167_Hex Chrom_20130103-235720		
Method:	\\Irvchrom\ChromData\IC16\20130103-17001.b\218.6_16.m		
Method Label:	HEX CHROME		
Last Update:	04-Jan-2013 06:23:52	Calib Date:	28-Dec-2012 10:27:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Irvchrom\ChromData\IC16\20121228-16809.b\Info 2_TAIIRV167_Hex Chrom_20121228-104026.d		
Limit Group:	IC-7199		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK009		

First Level Reviewer: nikbakhtm Date: 04-Jan-2013 06:25:13

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags

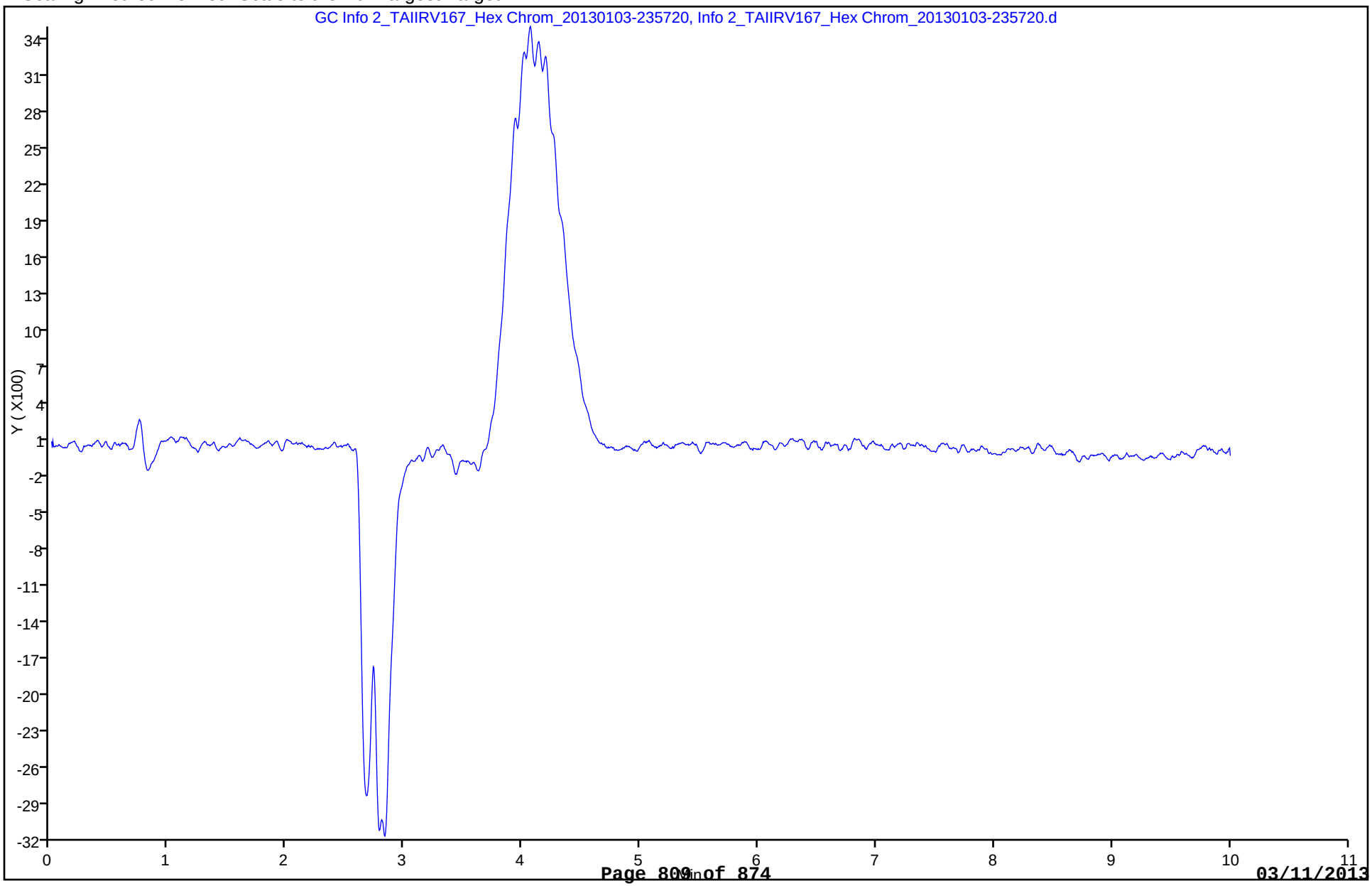
Report Date: 04-Jan-2013 06:25:13 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Irvine

Data File: \\Irvchrom\ChromData\IC16\20130103-17001.b\Info 2_TAIIRV167_Hex Chrom_20130103-235720.d

Injection Date:	03-Jan-2013 23:44:00	Limit Group:	IC-7199
Client ID:		Instrument ID:	IC-16
Lims Batch ID:	76762	Lims Sample ID:	32
Operator ID:	irvinorg	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

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



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Irvine | Job No.: 480-30346-1

SDG No.:

Client Sample ID: OC-SB-521-0.0/1.0-XXX MSD | Lab Sample ID: 480-30346-1 MSD

Matrix: Solid | Lab File ID: Info 2_TAIIRV167_Hex

Analysis Method: 7199 | Date Collected: 12/14/2012 08:10

Extraction Method: 3060A | Date Extracted: 01/03/2013 09:01

Sample wt/vol: 1.2526(g) | Date Analyzed: 01/03/2013 23:57

Con. Extract Vol.: 50(mL) | Dilution Factor: 1000

Injection Volume: 1(uL) | GC Column: AS7 ID: 4(mm)

% Moisture: 82.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 76762 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
18540-29-9	Cr (VI)	ND		110	85

TestAmerica Irvine
Target Compound Quantitation Report

Data File:	\\Irvchrom\ChromData\IC16\20130103-17001.b\Info 2_TAIIRV167_Hex Chrom_20130104-000959.d		
Lims ID:	480-30346-A-1-H MSD	Client ID:	
Inject. Date:	03-Jan-2013 23:57:00	Dil. Factor:	1000.0000
Sample Type:	MSD		
Sample ID:	440-0017001-033		
Misc. Info.:	440-0017001-033		
Operator:	irvinorg	Instrument ID:	IC-16
Injection Vol:	1.0 ul	ALS Bottle#:	0
Lims Batch ID:	76762	Lims Sample ID:	33
Raw Data:	Smoothed		
Detector:	GC Info 2_TAIIRV167_Hex Chrom_20130104-000959		
Method:	\\Irvchrom\ChromData\IC16\20130103-17001.b\218.6_16.m		
Method Label:	HEX CHROME		
Last Update:	04-Jan-2013 06:23:52	Calib Date:	28-Dec-2012 10:27:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Irvchrom\ChromData\IC16\20121228-16809.b\Info 2_TAIIRV167_Hex Chrom_20121228-104026.d		
Limit Group:	IC-7199		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK009		

First Level Reviewer: nikbakhtm Date: 04-Jan-2013 06:25:40

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags

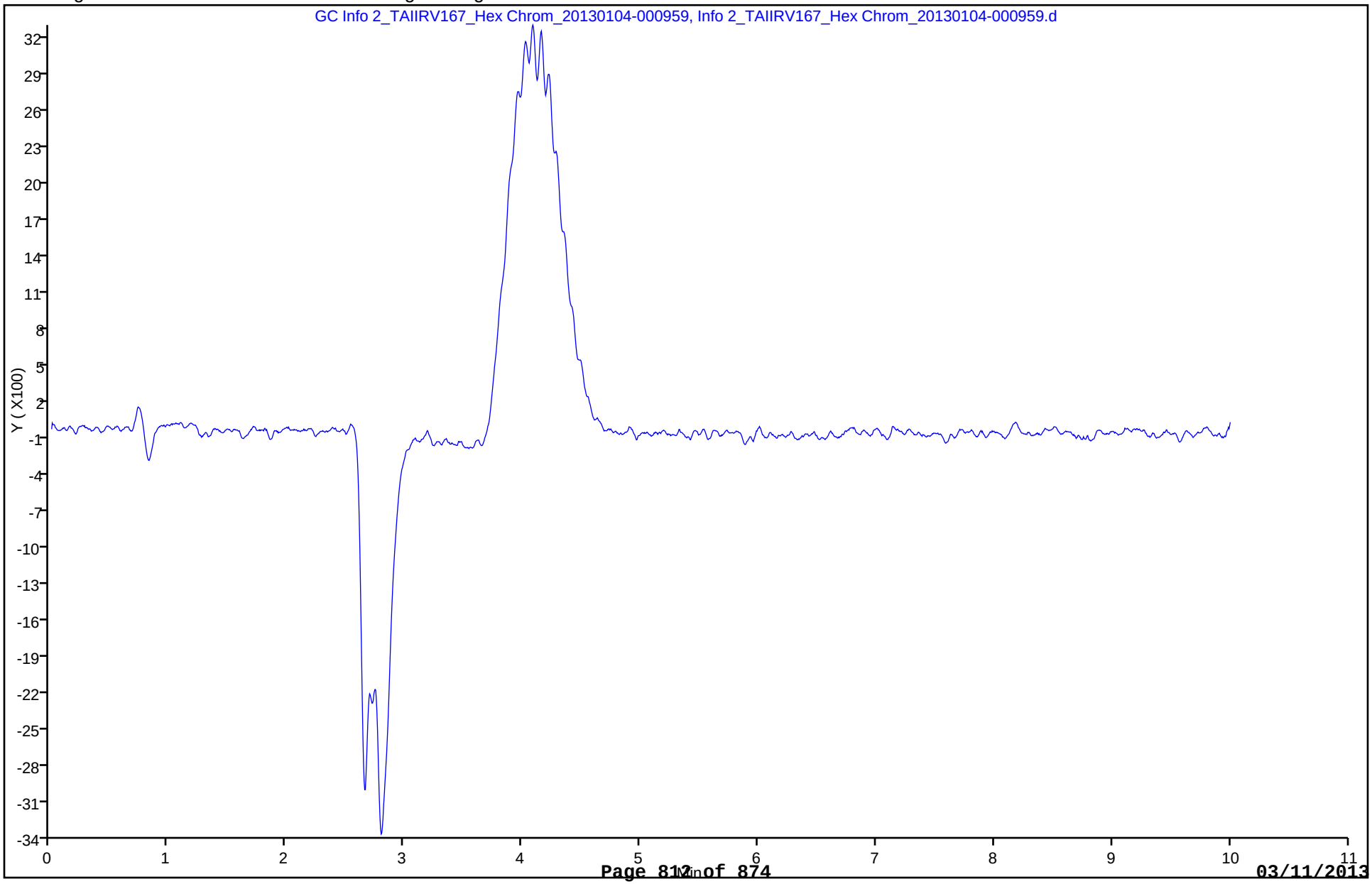
Report Date: 04-Jan-2013 06:25:41 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Irvine

Data File: \\Irvchrom\ChromData\IC16\20130103-17001.b\Info 2_TAIIRV167_Hex Chrom_20130104-000959.d

Injection Date:	03-Jan-2013 23:57:00	Limit Group:	IC-7199
Client ID:		Instrument ID:	IC-16
Lims Batch ID:	76762	Lims Sample ID:	33
Operator ID:	irvinorg	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

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



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Irvine | Job No.: 480-30346-1

SDG No.:

Client Sample ID: OC-SB-521-0.0/1.0-XXX MSI | Lab Sample ID: 480-30346-1 MSI

Matrix: Solid | Lab File ID: Info 2_TAIIRV167_Hex

Analysis Method: 7199 | Date Collected: 12/14/2012 08:10

Extraction Method: 3060A | Date Extracted: 01/03/2013 09:01

Sample wt/vol: 1.2539(g) | Date Analyzed: 01/04/2013 00:10

Con. Extract Vol.: 50(mL) | Dilution Factor: 1000

Injection Volume: 1(uL) | GC Column: AS7 ID: 4(mm)

% Moisture: 82.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 76762 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
18540-29-9	Cr (VI)	629		110	85

TestAmerica Irvine
Target Compound Quantitation Report

Data File:	\\Irvchrom\ChromData\IC16\20130103-17001.b\Info 2_TAIIRV167_Hex Chrom_20130104-002240.d		
Lims ID:	MSI	Client ID:	
Inject. Date:	04-Jan-2013 00:10:00	Dil. Factor:	1000.0000
Sample Type:	Client		
Sample ID:	440-0017001-034		
Misc. Info.:	440-0017001-034		
Operator:	irvinorg	Instrument ID:	IC-16
Injection Vol:	1.0 ul	ALS Bottle#:	0
Lims Batch ID:	76762	Lims Sample ID:	34
Raw Data:	Smoothed		
Detector:	GC Info 2_TAIIRV167_Hex Chrom_20130104-002240		
Method:	\\Irvchrom\ChromData\IC16\20130103-17001.b\218.6_16.m		
Method Label:	HEX CHROME		
Last Update:	04-Jan-2013 06:23:52	Calib Date:	28-Dec-2012 10:27:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Irvchrom\ChromData\IC16\20121228-16809.b\Info 2_TAIIRV167_Hex Chrom_20121228-104026.d		
Limit Group:	IC-7199		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK009		

First Level Reviewer: nikbakhtm Date: 04-Jan-2013 06:25:51

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
1 Cr (VI)	8.189	8.262	-0.073	112274	2.78	

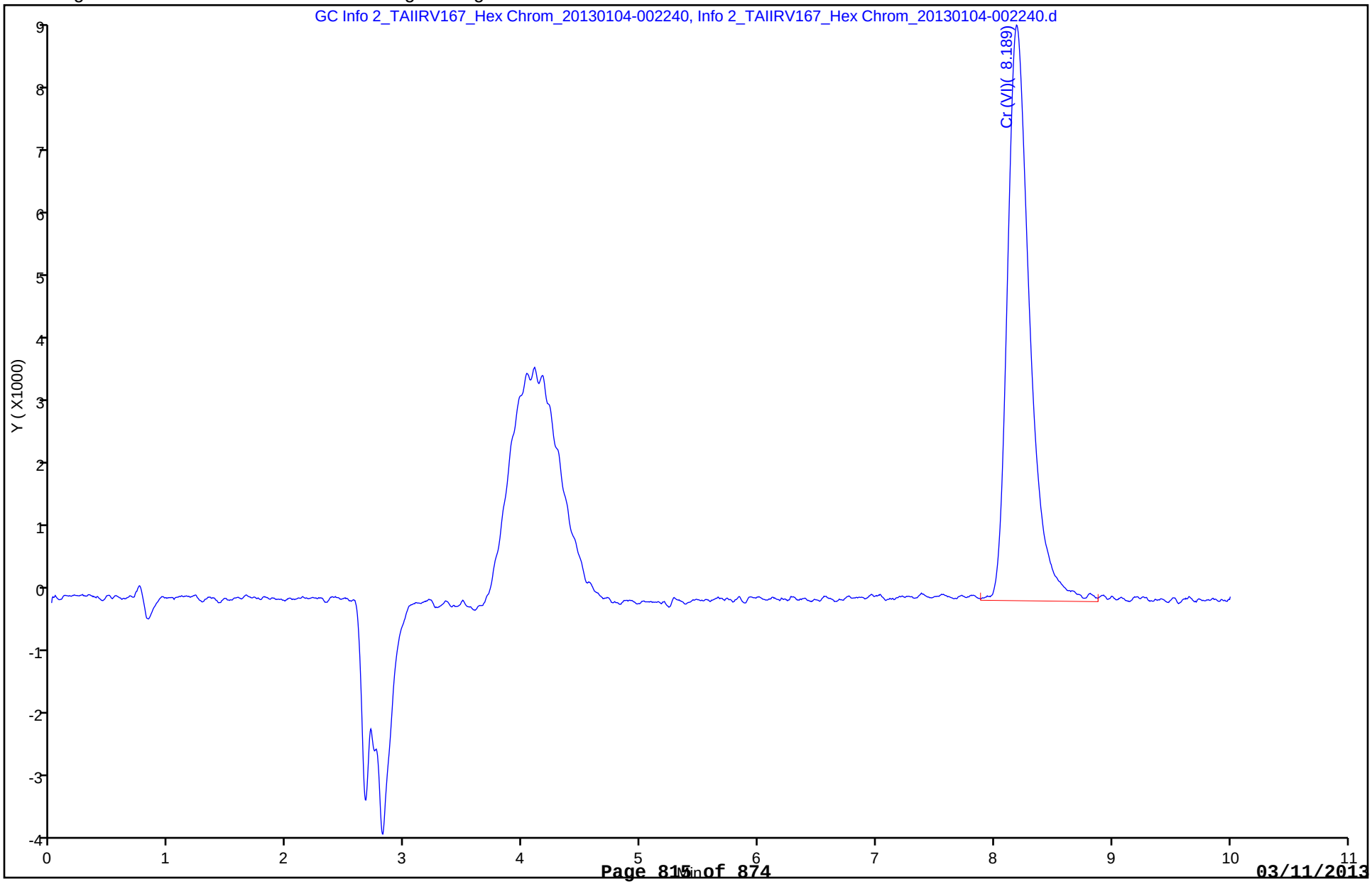
Report Date: 04-Jan-2013 06:25:51 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Irvine

Data File: \\Irvchrom\ChromData\IC16\20130103-17001.b\Info 2_TAIIRV167_Hex Chrom_20130104-002240.d

Injection Date:	04-Jan-2013 00:10:00	Limit Group:	IC-7199
Client ID:		Instrument ID:	IC-16
Lims Batch ID:	76762	Lims Sample ID:	34
Operator ID:	irvinorg	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

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



HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica Irvine Job No.: 480-30346-1

SDG No.:

Instrument ID: IC-16 Start Date: 12/28/2012 04:58

Analysis Batch Number: 75938 End Date: 12/28/2012 11:01

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		12/28/2012 04:58	1		AS7 4(mm)
ZZZZZ		12/28/2012 05:11	1		AS7 4(mm)
ZZZZZ		12/28/2012 05:23	1		AS7 4(mm)
ZZZZZ		12/28/2012 05:36	1		AS7 4(mm)
ZZZZZ		12/28/2012 05:49	1		AS7 4(mm)
ZZZZZ		12/28/2012 06:01	1		AS7 4(mm)
ZZZZZ		12/28/2012 06:39	1		AS7 4(mm)
CCV 440-75938/17		12/28/2012 08:21	1		AS7 4(mm)
CCB 440-75938/18		12/28/2012 08:33	1		AS7 4(mm)
ZZZZZ		12/28/2012 08:46	1		AS7 4(mm)
STD1 440-75938/20 IC		12/28/2012 08:59	1		AS7 4(mm)
STD2 440-75938/21 IC		12/28/2012 09:11	1	Info 2_TAIIRV167_Hex Chrom_20121228-092425.d	AS7 4(mm)
STD3 440-75938/22 IC		12/28/2012 09:24	1	Info 2_TAIIRV167_Hex Chrom_20121228-093704.d	AS7 4(mm)
STD4 440-75938/23 IC		12/28/2012 09:37	1	Info 2_TAIIRV167_Hex Chrom_20121228-094945.d	AS7 4(mm)
STD5 440-75938/24 IC		12/28/2012 09:49	1	Info 2_TAIIRV167_Hex Chrom_20121228-100225.d	AS7 4(mm)
STD6 440-75938/25 IC		12/28/2012 10:02	1	Info 2_TAIIRV167_Hex Chrom_20121228-101504.d	AS7 4(mm)
STD7 440-75938/26 IC		12/28/2012 10:15	1	Info 2_TAIIRV167_Hex Chrom_20121228-102746.d	AS7 4(mm)
STD8 440-75938/27 IC		12/28/2012 10:27	1	Info 2_TAIIRV167_Hex Chrom_20121228-104026.d	AS7 4(mm)
ZZZZZ		12/28/2012 10:40	1		AS7 4(mm)
ICV 440-75938/29		12/28/2012 11:01	1	Info 2_TAIIRV167_Hex Chrom_20121228-111406.d	AS7 4(mm)

7199

HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica Irvine Job No.: 480-30346-1

SDG No.:

Instrument ID: IC-16 Start Date: 01/03/2013 09:06

Analysis Batch Number: 76762 End Date: 01/04/2013 05:39

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		01/03/2013 09:06	1		AS7 4(mm)
ZZZZZ		01/03/2013 09:19	1		AS7 4(mm)
ZZZZZ		01/03/2013 09:31	1		AS7 4(mm)
ZZZZZ		01/03/2013 09:44	1		AS7 4(mm)
ZZZZZ		01/03/2013 10:38	10		AS7 4(mm)
ZZZZZ		01/03/2013 10:51	10		AS7 4(mm)
ZZZZZ		01/03/2013 11:03	10		AS7 4(mm)
ZZZZZ		01/03/2013 11:16	10		AS7 4(mm)
ZZZZZ		01/03/2013 11:29	10		AS7 4(mm)
ZZZZZ		01/03/2013 11:41	10		AS7 4(mm)
ZZZZZ		01/03/2013 11:54	10		AS7 4(mm)
CCV 440-76762/12		01/03/2013 12:07	1		AS7 4(mm)
CCB 440-76762/13		01/03/2013 12:19	1		AS7 4(mm)
CCV 440-76762/14		01/03/2013 17:44	1		AS7 4(mm)
CCB 440-76762/15		01/03/2013 17:56	1		AS7 4(mm)
ZZZZZ		01/03/2013 18:46	1		AS7 4(mm)
ZZZZZ		01/03/2013 18:59	1		AS7 4(mm)
ZZZZZ		01/03/2013 19:11	1		AS7 4(mm)
CCV 440-76762/20		01/03/2013 19:37	1		AS7 4(mm)
CCB 440-76762/21		01/03/2013 19:49	1		AS7 4(mm)
ZZZZZ		01/03/2013 21:04	1		AS7 4(mm)
ZZZZZ		01/03/2013 21:17	1		AS7 4(mm)
ZZZZZ		01/03/2013 21:29	1		AS7 4(mm)
CCV 440-76762/26		01/03/2013 21:42	1	Info 2_TAIIRV167_HexChrom_20130103-215455.d	AS7 4(mm)
ZZZZZ		01/03/2013 21:54	1		AS7 4(mm)
CCB 440-76762/28		01/03/2013 22:08	1	Info 2_TAIIRV167_HexChrom_20130103-222051.d	AS7 4(mm)
MB 440-76769/1-A		01/03/2013 23:06	10	Info 2_TAIIRV167_HexChrom_20130103-231921.d	AS7 4(mm)
LCS 440-76769/2-A		01/03/2013 23:19	10	Info 2_TAIIRV167_HexChrom_20130103-233201.d	AS7 4(mm)
480-30346-1	OC-SB-521-0.0/1.0-XXX	01/03/2013 23:32	1000	Info 2_TAIIRV167_HexChrom_20130103-234440.d	AS7 4(mm)
480-30346-1 MS	OC-SB-521-0.0/1.0-XXX MS	01/03/2013 23:44	1000	Info 2_TAIIRV167_HexChrom_20130103-235720.d	AS7 4(mm)
480-30346-1 MSD	OC-SB-521-0.0/1.0-XXX MSD	01/03/2013 23:57	1000	Info 2_TAIIRV167_HexChrom_20130104-000959.d	AS7 4(mm)

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HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica Irvine Job No.: 480-30346-1

SDG No.:

Instrument ID: IC-16 Start Date: 01/03/2013 09:06

Analysis Batch Number: 76762 End Date: 01/04/2013 05:39

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
480-30346-1 MSI	OC-SB-521-0.0/1.0-XXX MSI	01/04/2013 00:10	1000	Info 2_TAIIRV167_Hex Chrom_20130104-002240.d	AS7 4(mm)
480-30346-2	OC-SB-521-8.0/10-XXX	01/04/2013 00:22	10	Info 2_TAIIRV167_Hex Chrom_20130104-003519.d	AS7 4(mm)
480-30346-4	OC-SB-519-0.0/1.0-XXX	01/04/2013 00:48	1000	Info 2_TAIIRV167_Hex Chrom_20130104-010039.d	AS7 4(mm)
480-30346-5	OC-SB-519-8.0/10-XXX	01/04/2013 01:00	10	Info 2_TAIIRV167_Hex Chrom_20130104-011318.d	AS7 4(mm)
CCV 440-76762/39		01/04/2013 01:13	1	Info 2_TAIIRV167_Hex Chrom_20130104-012558.d	AS7 4(mm)
CCB 440-76762/40		01/04/2013 01:26	1	Info 2_TAIIRV167_Hex Chrom_20130104-013837.d	AS7 4(mm)
480-30346-6	OC-SB-519-12/14-XXX	01/04/2013 01:38	10	Info 2_TAIIRV167_Hex Chrom_20130104-015117.d	AS7 4(mm)
480-30346-7	OC-SB-518-0.0/1.0-XXX	01/04/2013 01:51	1000	Info 2_TAIIRV167_Hex Chrom_20130104-020356.d	AS7 4(mm)
480-30346-8	OC-SB-518-8.0/10-XXX	01/04/2013 02:04	10	Info 2_TAIIRV167_Hex Chrom_20130104-021636.d	AS7 4(mm)
480-30346-9	OC-SB-518-13/15-XXX	01/04/2013 02:16	10	Info 2_TAIIRV167_Hex Chrom_20130104-022915.d	AS7 4(mm)
ZZZZZ		01/04/2013 02:29	10		AS7 4(mm)
ZZZZZ		01/04/2013 02:41	1000		AS7 4(mm)
ZZZZZ		01/04/2013 02:54	10		AS7 4(mm)
ZZZZZ		01/04/2013 03:07	10		AS7 4(mm)
ZZZZZ		01/04/2013 03:19	10		AS7 4(mm)
ZZZZZ		01/04/2013 03:32	10		AS7 4(mm)
CCV 440-76762/51		01/04/2013 03:45	1	Info 2_TAIIRV167_Hex Chrom_20130104-035752.d	AS7 4(mm)
CCB 440-76762/52		01/04/2013 03:57	1	Info 2_TAIIRV167_Hex Chrom_20130104-041031.d	AS7 4(mm)
ZZZZZ		01/04/2013 04:10	10		AS7 4(mm)
ZZZZZ		01/04/2013 04:23	10		AS7 4(mm)
ZZZZZ		01/04/2013 04:35	10		AS7 4(mm)
ZZZZZ		01/04/2013 04:48	10		AS7 4(mm)
CCB 440-76762/58		01/04/2013 05:13	1		AS7 4(mm)

7199

HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica Irvine Job No.: 480-30346-1

SDG No.:

Instrument ID: IC-16 Start Date: 01/03/2013 09:06

Analysis Batch Number: 76762 End Date: 01/04/2013 05:39

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 440-76762/60		01/04/2013 05:39	1		AS7 4(mm)

7199

HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica Irvine Job No.: 480-30346-1

SDG No.:

Instrument ID: IC-16 Start Date: 01/09/2013 05:14

Analysis Batch Number: 77774 End Date: 01/09/2013 12:31

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		01/09/2013 05:14	1		AS7 4(mm)
ZZZZZ		01/09/2013 05:39	1		AS7 4(mm)
ZZZZZ		01/09/2013 05:52	1		AS7 4(mm)
ZZZZZ		01/09/2013 06:04	1		AS7 4(mm)
ZZZZZ		01/09/2013 06:47	1		AS7 4(mm)
ZZZZZ		01/09/2013 07:00	1		AS7 4(mm)
ZZZZZ		01/09/2013 07:13	1		AS7 4(mm)
CCV 440-77774/13		01/09/2013 07:51	1	Info 2_TAIIRV167_Hex Chrom_20130109-080352.d	AS7 4(mm)
CCB 440-77774/14		01/09/2013 08:03	1	Info 2_TAIIRV167_Hex Chrom_20130109-081633.d	AS7 4(mm)
MB 440-77607/1-A		01/09/2013 08:29	10	Info 2_TAIIRV167_Hex Chrom_20130109-084213.d	AS7 4(mm)
LCS 440-77607/2-A		01/09/2013 08:42	10	Info 2_TAIIRV167_Hex Chrom_20130109-085455.d	AS7 4(mm)
ZZZZZ		01/09/2013 08:55	10		AS7 4(mm)
480-30346-10	OC-SB-509-0.0/1.0-XXX	01/09/2013 09:07	1000	Info 2_TAIIRV167_Hex Chrom_20130109-092018.d	AS7 4(mm)
ZZZZZ		01/09/2013 09:20	10		AS7 4(mm)
ZZZZZ		01/09/2013 09:33	10		AS7 4(mm)
ZZZZZ		01/09/2013 09:45	10		AS7 4(mm)
ZZZZZ		01/09/2013 09:58	1000		AS7 4(mm)
ZZZZZ		01/09/2013 10:11	10		AS7 4(mm)
CCV 440-77774/24		01/09/2013 10:23	1	Info 2_TAIIRV167_Hex Chrom_20130109-103621.d	AS7 4(mm)
CCB 440-77774/25		01/09/2013 10:36	1	Info 2_TAIIRV167_Hex Chrom_20130109-104901.d	AS7 4(mm)
480-30346-3	OC-SB-521-16/18-XXX	01/09/2013 12:06	100	Info 2_TAIIRV167_Hex Chrom_20130109-121856.d	AS7 4(mm)
CCV 440-77774/27		01/09/2013 12:19	1	Info 2_TAIIRV167_Hex Chrom_20130109-123137.d	AS7 4(mm)
CCB 440-77774/28		01/09/2013 12:31	1	Info 2_TAIIRV167_Hex Chrom_20130109-124417.d	AS7 4(mm)

7199

HPLC/IC BATCH WORKSHEET

Lab Name: TestAmerica Irvine Job No.: 480-30346-1

SDG No.:

Batch Number: 76769 Batch Start Date: 01/03/13 09:01 Batch Analyst: Cargill, Daniela

Batch Method: 3060A Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	WCCR6LCS50PPM 00010	WCPBCRO4 00003		
MB 440-76769/1		3060A, 7199		1.2532 g	50 mL				
LCS 440-76769/2		3060A, 7199		1.2563 g	50 mL	0.4 mL			
480-30346-A-1	OC-SB-521-0.0/1.0-XXX	3060A, 7199	T	1.2552 g	50 mL				
480-30346-A-1 MS	OC-SB-521-0.0/1.0-XXX	3060A, 7199	T	1.2563 g	50 mL	0.4 mL			
480-30346-A-1 MSD	OC-SB-521-0.0/1.0-XXX	3060A, 7199	T	1.2526 g	50 mL	0.4 mL			
480-30346-A-1 MSI	OC-SB-521-0.0/1.0-XXX	3060A, 7199	T	1.2539 g	50 mL		13.8 mg		
480-30346-A-2	OC-SB-521-8.0/10-XXX	3060A, 7199	T	1.2548 g	50 mL				
480-30346-A-4	OC-SB-519-0.0/1.0-XXX	3060A, 7199	T	1.2549 g	50 mL				
480-30346-A-5	OC-SB-519-8.0/10-XXX	3060A, 7199	T	1.2520 g	50 mL				
480-30346-A-6	OC-SB-519-12/14-XXX	3060A, 7199	T	1.2516 g	50 mL				
480-30346-A-7	OC-SB-518-0.0/1.0-XXX	3060A, 7199	T	1.2527 g	50 mL				
480-30346-A-8	OC-SB-518-8.0/10-XXX	3060A, 7199	T	1.2510 g	50 mL				
480-30346-A-9	OC-SB-518-13/15-XXX	3060A, 7199	T	1.2559 g	50 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.

HPLC/IC BATCH WORKSHEET

Lab Name: TestAmerica Irvine Job No.: 480-30346-1

SDG No.:

Batch Number: 76769 Batch Start Date: 01/03/13 09:01 Batch Analyst: Cargill, Daniela

Batch Method: 3060A Batch End Date:

Batch Notes	
Alkaline Digestion Solution Reagent ID	813451
First End time	1:00
Potassium Chromate Lot #	199371
Potassium Chromate Vendor ID	199371
Potassium Phosphate Buffer Reagent ID	812745
Lead Chromate Lot #	035232
Lead Chromate Vendor ID	035232
Magnesium Chloride Lot Number	027333
Magnesium Chloride Vendor	027333
Pipette ID	61
First Start time	12:00
Telfon Chips Lot #	F718-2F047
Ending Temperature	95 Celsius
Starting Temperature	95 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.

HPLC/IC BATCH WORKSHEET

Lab Name: TestAmerica Irvine Job No.: 480-30346-1

SDG No.:

Batch Number: 77607 Batch Start Date: 01/08/13 11:55 Batch Analyst: Pham, Quynh D

Batch Method: 3060A Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	WCCR6LCS50PPM 00010			
MB 440-77607/1		3060A, 7199		126 g	50 mL				
LCS 440-77607/2		3060A, 7199		1.26 g	50 mL	0.4 mL			
480-30346-A-3	OC-SB-521-16/18-XXX	3060A, 7199	T	1.25 g	50 mL				
480-30346-A-10	OC-SB-509-0.0/1.0-XXX	3060A, 7199	T	1.24 g	50 mL				

Batch Notes	
Alkaline Digestion Solution Reagent ID	813451
First End time	13.15
Potassium Chromate Lot #	199371
Potassium Chromate Vendor ID	199371
Potassium Phosphate Buffer Reagent ID	812745
Lead Chromate Lot #	035232
Lead Chromate Vendor ID	035232
Magnesium Chloride Lot Number	027333
Magnesium Chloride Vendor	027333
First Start time	12.15
Ending Temperature	95 Celsius
Starting Temperature	95 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 Edison Job Number: 480-30346-1

SDG No.:

Project: Olin Chemical Wilmington MA Superfund

Client Sample ID	Lab Sample ID
OC-SB-521-0.0/1.0-XXX	480-30346-1
OC-SB-521-8.0/10-XXX	480-30346-2
OC-SB-521-16/18-XXX	480-30346-3
OC-SB-519-0.0/1.0-XXX	480-30346-4
OC-SB-519-8.0/10-XXX	480-30346-5
OC-SB-519-12/14-XXX	480-30346-6
OC-SB-518-0.0/1.0-XXX	480-30346-7
OC-SB-518-8.0/10-XXX	480-30346-8
OC-SB-518-13/15-XXX	480-30346-9
OC-SB-509-0.0/1.0-XXX	480-30346-10

Comments:

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Westfield Job Number: 480-30346-1

SDG No.:

Project: Olin Chemical Wilmington MA Superfund

Client Sample ID	Lab Sample ID
OC-SB-521-0.0/1.0-XXX	480-30346-1
OC-SB-521-8.0/10-XXX	480-30346-2
OC-SB-521-16/18-XXX	480-30346-3
OC-SB-519-0.0/1.0-XXX	480-30346-4
OC-SB-519-8.0/10-XXX	480-30346-5
OC-SB-519-12/14-XXX	480-30346-6
OC-SB-518-0.0/1.0-XXX	480-30346-7
OC-SB-518-8.0/10-XXX	480-30346-8
OC-SB-518-13/15-XXX	480-30346-9
OC-SB-509-0.0/1.0-XXX	480-30346-10

Comments:

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: OC-SB-521-0.0/1.0-XXX
Lab Sample ID: 480-30346-1
Lab Name: TestAmerica Westfield
Job No.: 480-30346-1
SDG ID.:
Matrix: Solid
Date Sampled: 12/14/2012 08:10
Reporting Basis: WET
Date Received: 12/14/2012 17:00

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	pH	3.80	1.00		SU			1	9045C
	Oxidation Reduction Potential	84	0.010		millivolts			1	SM 2580B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: OC-SB-521-8.0/10-XXX
Lab Sample ID: 480-30346-2
Lab Name: TestAmerica Westfield
Job No.: 480-30346-1
SDG ID.:
Matrix: Solid
Date Sampled: 12/14/2012 08:20
Reporting Basis: WET
Date Received: 12/14/2012 17:00

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	pH	5.52	1.00		SU			1	9045C
	Oxidation Reduction Potential	42	0.010		millivolts			1	SM 2580B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: OC-SB-521-16/18-XXX
Lab Sample ID: 480-30346-3
Lab Name: TestAmerica Westfield
Job No.: 480-30346-1
SDG ID.:
Matrix: Solid
Date Sampled: 12/14/2012 08:45
Reporting Basis: WET
Date Received: 12/14/2012 17:00

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	pH	5.82	1.00		SU			1	9045C
	Oxidation Reduction Potential	34	0.010		millivolts			1	SM 2580B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: OC-SB-519-0.0/1.0-XXX
Lab Sample ID: 480-30346-4
Lab Name: TestAmerica Westfield
Job No.: 480-30346-1
SDG ID.:
Matrix: Solid
Date Sampled: 12/14/2012 09:00
Reporting Basis: WET
Date Received: 12/14/2012 17:00

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	pH	5.94	1.00		SU			1	9045C
	Oxidation Reduction Potential	17	0.010		millivolts			1	SM 2580B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: OC-SB-519-8.0/10-XXX
Lab Sample ID: 480-30346-5
Lab Name: TestAmerica Westfield
Job No.: 480-30346-1
SDG ID.:
Matrix: Solid
Date Sampled: 12/14/2012 09:20
Reporting Basis: WET
Date Received: 12/14/2012 17:00

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	pH	7.18	1.00		SU			1	9045C
	Oxidation Reduction Potential	14	0.010		millivolts			1	SM 2580B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: OC-SB-519-12/14-XXX
Lab Sample ID: 480-30346-6
Lab Name: TestAmerica Westfield
Job No.: 480-30346-1
SDG ID.:
Matrix: Solid
Date Sampled: 12/14/2012 09:40
Reporting Basis: WET
Date Received: 12/14/2012 17:00

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	pH	6.58	1.00		SU			1	9045C
	Oxidation Reduction Potential	15	0.010		millivolts			1	SM 2580B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: OC-SB-518-0.0/1.0-XXX
Lab Sample ID: 480-30346-7
Lab Name: TestAmerica Westfield
Job No.: 480-30346-1
SDG ID.:
Matrix: Solid
Date Sampled: 12/14/2012 09:55
Reporting Basis: WET
Date Received: 12/14/2012 17:00

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	pH	6.47	1.00		SU			1	9045C
	Oxidation Reduction Potential	10	0.010		millivolts			1	SM 2580B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: OC-SB-518-8.0/10-XXX
Lab Sample ID: 480-30346-8
Lab Name: TestAmerica Westfield
Job No.: 480-30346-1
SDG ID.:
Matrix: Solid
Date Sampled: 12/14/2012 10:05
Reporting Basis: WET
Date Received: 12/14/2012 17:00

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	pH	6.77	1.00		SU			1	9045C
	Oxidation Reduction Potential	15	0.010		millivolts			1	SM 2580B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: OC-SB-518-13/15-XXX
Lab Sample ID: 480-30346-9
Lab Name: TestAmerica Westfield
Job No.: 480-30346-1
SDG ID.:
Matrix: Solid
Date Sampled: 12/14/2012 10:15
Reporting Basis: WET
Date Received: 12/14/2012 17:00

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	pH	6.52	1.00		SU			1	9045C
	Oxidation Reduction Potential	7.0	0.010		millivolts			1	SM 2580B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: OC-SB-509-0.0/1.0-XXX
Lab Sample ID: 480-30346-10
Lab Name: TestAmerica Westfield
Job No.: 480-30346-1
SDG ID.:
Matrix: Solid
Date Sampled: 12/14/2012 10:45
Reporting Basis: WET
Date Received: 12/14/2012 17:00

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	pH	5.88	1.00		SU			1	9045C
	Oxidation Reduction Potential	9.0	0.010		millivolts			1	SM 2580B

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Westfield Job No.: 480-30346-1

SDG No.:

Analyst: RWE Batch Start Date: 12/14/2012

Reporting Units: SU Analytical Batch No.: 97422

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
13	CCV	18:06	pH	5.990	6.00	100	90-110		W12H_PH_6_00001

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

FORM II-IN

6-IN
DUPLICATE
GENERAL CHEMISTRY

Lab Name: TestAmerica Westfield Job No.: 480-30346-1

SDG No.:

Matrix: Solid

Method	Client Sample ID	Lab Sample ID	Analyte	Result	Unit	RPD	RPD Limit	Qual
Batch ID: 97422 Date: 12/14/2012 18:03								
9045C	OC-SB-509-0.0/1.0-XXX	480-30346-10	pH	5.88	SU			
9045C	OC-SB-509-0.0/1.0-XXX	480-30346-10 DU	pH	5.850	SU	0.5	10.0	
Batch ID: 97423 Date: 12/14/2012 18:03								
SM 2580B	OC-SB-509-0.0/1.0-XXX	480-30346-10	Oxidation Reduction Potential	9.0	millivolts			
SM 2580B	OC-SB-509-0.0/1.0-XXX	480-30346-10 DU	Oxidation Reduction Potential	15.0	millivolts	50	20	F

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

FORM VI-IN

7A-IN
LAB CONTROL SAMPLE
GENERAL CHEMISTRY

Lab Name: TestAmerica Westfield Job No.: 480-30346-1

SDG No.:

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 97422		Date: 12/14/2012 17:15									
						LCS Source:	W12H_PH_6_00001				
9045C	LCS 360-97420/1-A	pH	5.980		SU	6.00	100	90-110			
Batch ID: 97423		Date: 12/14/2012 17:10									
						LCS Source:	W12L_ORP_LCS_00001				
SM 2580B	LCS 360-97421/1-A	Oxidation Reduction Potential	480		millivolts	475	101	85-115			

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

FORM VIIA-IN

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job Number: 480-30346-1

SDG Number:

Matrix: Solid Instrument ID: NOEQUIP

Method: Moisture RL Date: 02/15/2007 17:07

Analyte	Wavelength/ Mass	RL (%)	
Percent Moisture		1	
Percent Solids		1	

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job Number: 480-30346-1

SDG Number:

Matrix: Solid Instrument ID: NOEQUIP

Method: Moisture XRL Date: 01/01/2007 16:49

Analyte	Wavelength/ Mass	XRL (%)	
Percent Moisture		1	
Percent Solids		1	

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY - SOLUBLE

Lab Name: TestAmerica Westfield Job Number: 480-30346-1

SDG Number:

Matrix: Solid Instrument ID: pH meter

Method: 9045C RL Date: 07/04/2006 10:56

Leach Method: DI Leach

Analyte	Wavelength/ Mass	RL (SU)	
pH		1	

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY - SOLUBLE

Lab Name: TestAmerica Westfield Job Number: 480-30346-1

SDG Number:

Matrix: Solid Instrument ID: pH meter

Method: 9045C XRL Date: 10/01/2008 09:54

Analyte	Wavelength/ Mass	XRL (SU)	
pH		1	

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY - SOLUBLE

Lab Name: TestAmerica Westfield Job Number: 480-30346-1

SDG Number:

Matrix: Solid Instrument ID: NOEQUIP

Method: SM 2580B RL Date: 09/11/2012 10:57

Leach Method: DI Leach

Analyte	Wavelength/ Mass	RL (millivolt	
Oxidation Reduction Potential		1	

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY - SOLUBLE

Lab Name: TestAmerica Westfield Job Number: 480-30346-1

SDG Number:

Matrix: Solid Instrument ID: NOEQUIP

Method: SM 2580B XRL Date: 09/01/2006 13:08

Analyte	Wavelength/ Mass	XRL (millivolt	
Oxidation Reduction Potential		1	

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 480-30346-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 12/19/2012 17:24 End Date: 12/19/2012 17:24

Lab Sample ID	D/F	Type	Time	Analytes																			
				% Sol	Moist																		
ZZZZZZ			17:24																				
480-30346-1	1	T	17:24	X	X																		
480-30346-2	1	T	17:24	X	X																		
480-30346-3	1	T	17:24	X	X																		
480-30346-4	1	T	17:24	X	X																		
480-30346-5	1	T	17:24	X	X																		
480-30346-6	1	T	17:24	X	X																		
480-30346-7	1	T	17:24	X	X																		
480-30346-8	1	T	17:24	X	X																		
480-30346-9	1	T	17:24	X	X																		
480-30346-10	1	T	17:24	X	X																		
ZZZZZZ			17:24																				
ZZZZZZ			17:24																				
ZZZZZZ			17:24																				
ZZZZZZ			17:24																				
ZZZZZZ			17:24																				
ZZZZZZ			17:24																				
ZZZZZZ			17:24																				
ZZZZZZ			17:24																				
ZZZZZZ			17:24																				
ZZZZZZ			17:24																				

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Westfield Job No.: 480-30346-1

SDG No.:

Instrument ID: pH meter Method: 9045C

Start Date: 12/14/2012 09:01 End Date: 12/14/2012 18:06

Lab Sample ID	D/F	Type	Time	Analytes																			
				pH																			
ZZZZZZ			09:01																				
ZZZZZZ			09:01																				
ZZZZZZ			09:01																				
ZZZZZZ			09:01																				
ZZZZZZ			09:01																				
ZZZZZZ			09:01																				
ZZZZZZ			09:01																				
LCS 360-97420/1-A	1	S	17:15	X																			
480-30346-1	1	S	17:29	X																			
480-30346-2	1	S	17:36	X																			
480-30346-3	1	S	17:39	X																			
480-30346-4	1	S	17:42	X																			
480-30346-5	1	S	17:45	X																			
480-30346-6	1	S	17:48	X																			
480-30346-7	1	S	17:51	X																			
480-30346-8	1	S	17:54	X																			
480-30346-9	1	S	17:57	X																			
480-30346-10	1	S	18:00	X																			
480-30346-10 DU	1	S	18:03	X																			
CCV 360-97422/13	1		18:06	X																			

Prep Types
S = Soluble

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Westfield Job No.: 480-30346-1

SDG No.:

Instrument ID: NOEQUIP Method: SM 2580B

Start Date: 12/14/2012 17:10 End Date: 12/14/2012 18:03

Lab Sample ID	D/F	Type	Time	Analytes																			
				ORP																			
LCS 360-97421/1-A	1	S	17:10	X																			
480-30346-1	1	S	17:29	X																			
480-30346-2	1	S	17:36	X																			
480-30346-3	1	S	17:39	X																			
480-30346-4	1	S	17:42	X																			
480-30346-5	1	S	17:45	X																			
480-30346-6	1	S	17:48	X																			
480-30346-7	1	S	17:51	X																			
480-30346-8	1	S	17:54	X																			
480-30346-9	1	S	17:57	X																			
480-30346-10	1	S	18:00	X																			
480-30346-10 DU	1	S	18:03	X																			

Prep Types
S = Soluble
T = Total/NA

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Data Review Coversheet—Inorganics Dept

Method Name: pH Method Reference: 9045C Date of Analytical Run: 12-14-12

Primary Reviewer's Initials & Date: RE 12-19-12 Secondary Reviewer's Initials & Date: CPR 12/20/12

Batch Numbers	97422				

QC Criteria—Non-MCP: ICV/CCV ±10%: LCS/LCSD ±15%: MS/MSD ±25%: ICB/MB/CCB <RL: MD/MSD/LCSD RPD ≤20%

QC Criteria—MCP/RCP: (9012 and 7196 only)
9012 (water): ICV/CCV ±15%: LCS/LCSD ±20%: MS/MSD ±25%: ICB/MB/CCB <RL: MD/MSD/LCSD RPD ≤20%
9012 (soil): ICV/CCV ±15%: LCS/LCSD **: MS/MSD ±25%: ICB/MB/CCB <RL: MD RPD 35%: MSD/LCSD RPD ≤30%
7196 (water): ICV/CCV ±15%: LCS/LCSD ±20%: MS/MSD ±25%: ICB/MB/CCB <RL: MD/MSD/LCSD RPD ≤20%
7196 (soil): ICV/CCV ±15%: LCS/LCSD **: MSS/MSI ±25%: ICB/MB/CCB <RL: MD RPD ≤35%: LCSD RPD ≤30%

FAILURES OF QC FOR ANYTHING OTHER THAN MS, MSD or MD ARE GROUNDS FOR INVALIDATING THE BATCH.

Criteria for QC	Yes	No	n/a	Notes/Comments
Were the ICV and/or CCVs within acceptable limits for QC recovery?	✓			
Were the ICB and/or CCBs all <RL?			✓	
Were all MB and/or CCB results <RL for the analytes of interest?			✓	
Was there a CCV/CCB combination run after every 10 samples or less?	✓			
Was there an LCS run with every batch of 20 samples or less?	✓			
Was there a MD, LCSD and/or MSD run with every batch of 20 samples or less?	✓			
Were all LCS/LCSD results within acceptable limits for QC recovery?	✓			
Were all MS/MSD results within acceptable limits for QC recovery?			✓	
Were all MD, LCSD and/or MSD %RPDs within acceptable limits for QC recovery?	✓			
Were the raw data points for investigative samples within the working curve range, or if not, were the samples diluted to bring them within this range?			✓	
IF there were any MCP/RCP samples in this batch, did they meet all MCP/RCP requirements?			✓	
Were there any holding time violations in this batch?		✓		**NOTE!** The PM and QA Manager must be notified by email *immediately* of any holding time violations!!
Were any NCMs generated for any samples in the batch? (If so, list NCM numbers, and first-reviewer must check off any "No" answers above as applicable.)			✓	
Were any jobs in this batch Level 4? If "Yes" then scan all raw data & place in correct scan folder on the public drive before filing this paperwork.	✓			

** LCS or LCSD must produce a recovery that is within the manufacturer's specified 95% confidence limits, must be matrix matched.

TestAmerica WESTFIELD

SANITARY CHEMICAL ANALYSIS

Analyst: RLC

Date: 12-14-12 con't

Instruments: Accumet 20 (Installed July 1998; New) Monitek 21 (Installed August 1996; New)

pH	SM 4500H+/EPA 9040/EPA 9045C
Color	SM 2120B
Odor	SM 2150B
ORP	SM2580B

SAMPLE ID #	Time of Analysis	sample weight (g)	pH Analysis		ORP	Color			Odor	comments
			Temp °C	pH (SU)	ORP (mV)	Dilution Factor (DF)	Observed Dil'd Color (C)	Color (units) [=DF x C]	TON	
CCV PH6	0950		20.9	5.96						
480-30283B1 12-14 AGAWAM	1048		18.0	5.52						
480-30284B1 12-14 BRIDGE	1052		16.7	6.76						
DU	1100		17.5	6.79						
480-30212G1 12-13 NUFERN	1104		19.4	7.45						
CCV PH6	1108		20.2	5.98						
WIZL ORP LCS ORP LCS	1710	20			480					
PH LCS	1715		20.0	5.98						
480-30346A1 ANEC 12-14 0810	1729		18.6	3.80	84					
A2 0820	1736		19.7	5.52	42					
A3 0845	1739		19.0	5.82	34					
A4 0900	1742		19.0	5.94	17					

pH Meter Calibration: Date & Time Calibrated: _____ Analyst Initials: _____ Meter Slope = _____

Buffer Lot Numbers (Fisher Sci.): pH 4.00 = _____ pH 7.00 = _____ pH 10.01 = _____

TestAmerica WESTFIELD

SANITARY CHEMICAL ANALYSIS

Analyst: [illegible]

Date: 12-14-12 con't

Instruments: Accumet 20 (Installed July 1998; New) Monitek 21 (Installed August 1996; New)

pH	SM 4500H+/EPA 9040/EPA 9045C
Color	SM 2120B
Odor	SM 2150B
ORP	SM2580B

SAMPLE ID #	Time of Analysis	sample weight (g)	pH Analysis		ORP	Color			Odor	comments
			Temp °C	pH (SU)	ORP (mV)	Dilution Factor (DF)	Observed Dil'd Color (C)	Color (units) [=DF x C]	TON	
480-30346 A5 AMEC 12-14 0920	1745	20	19.0	7.18	14					
A6 0940	1748		19.0	6.58	15					
A7 0955	1751		19.0	6.47	10					
A8 1005	1754		18.9	6.77	15					
A9 1015	1757		19.0	6.52	7					
A10 1045	1800		18.9	5.88	9					
A10 1045 Dup	1803	✓	19.2	5.85	15					
CCV pH 6	1806		20.6	5.99						

pH Meter Calibration: Date & Time Calibrated: _____ Analyst Initials: _____ Meter Slope = _____

Buffer Lot Numbers (Fisher Sci.): pH 4.00 = _____ pH 7.00 = _____ pH 10.01 = _____

Metals/Inorganics Analysis Sheet

(To Accompany Samples to Instruments)

Batch Number: 360-97420 | Analyst: Emerich, Rich W | Batch Open: 12/14/2012 8:00:00AM

Method Code: 360-DI_LEACH-360 | Batch End:

Deionized Water Leaching Procedure

	Input Sample Lab ID (Analytical Method)	SDG	Matrix	Initial Amount	Final Amount	Due Date	Analytical TAT	Dlv Rank	Comments	Output Sample Lab ID
1	LCS~360-97420/1 N/A	N/A		20 g	20 mL	N/A	N/A	N/A		LCS 360-97420/1-A
2	480-30346-A-1 (9045C)	N/A	Solid	20 g	20 mL	12/28/12	9_Days - R	4		480-30346-A-1-A
3	480-30346-A-2 (9045C)	N/A	Solid	20 g	20 mL	12/28/12	9_Days - R	4		480-30346-A-2-A
4	480-30346-A-3 (9045C)	N/A	Solid	20 g	20 mL	12/28/12	9_Days - R	4		480-30346-A-3-A
5	480-30346-A-4 (9045C)	N/A	Solid	20 g	20 mL	12/28/12	9_Days - R	4		480-30346-A-4-A
6	480-30346-A-5 (9045C)	N/A	Solid	20 g	20 mL	12/28/12	9_Days - R	4		480-30346-A-5-A
7	480-30346-A-6 (9045C)	N/A	Solid	20 g	20 mL	12/28/12	9_Days - R	4		480-30346-A-6-A
8	480-30346-A-7 (9045C)	N/A	Solid	20 g	20 mL	12/28/12	9_Days - R	4		480-30346-A-7-A
9	480-30346-A-8 (9045C)	N/A	Solid	20 g	20 mL	12/28/12	9_Days - R	4		480-30346-A-8-A
10	480-30346-A-9 (9045C)	N/A	Solid	20 g	20 mL	12/28/12	9_Days - R	4		480-30346-A-9-A
11	480-30346-A-10 (9045C)	N/A	Solid	20 g	20 mL	12/28/12	9_Days - R	4		480-30346-A-10-A
12	480-30346-A-10~DU (9045C)	N/A	Solid	20 g	20 mL	12/28/12	9_Days - R	4		480-30346-A-10-B DU

Metals/Inorganics Analysis Sheet

(To Accompany Samples to Instruments)

Batch Number: 360-97420 Analyst: Emerich, Rich W Batch Open: 12/14/2012 8:00:00AM

Method Code: 360-DI_LEACH-360 Batch End:

Batch Notes

Balance ID

Blank Soil Lot Number

Batch Comment

Comments

Login Comments for Job 30346: MCP/Level 4 stand alone(12/18/12); L4Reviewed:
~Sub methods:2580B, 7199, 9045C, moist.~

Metals/Inorganics Analysis Sheet

(To Accompany Samples to Instruments)

Batch Number: 360-97420 Analyst: Emerich, Rich W Batch Open: 12/14/2012 8:00:00AM

Method Code: 360-DI_LEACH-360 Batch End:

Reagent Additions Worksheet

Lab ID	Reagent Code	Amount Added	Final Amount	By	Witness
LCS 360-97420/1	W12H_PH_6_00001	20 mL	20 mL		

Other Reagents:

Reagent	Amount/Units	Lot#:

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Data Review Coversheet—Inorganics Dept

Method Name: ORP Method Reference: 2580 B Date of Analytical Run: 12-14-12

Primary Reviewer's Initials & Date: RE 12-19-12 Secondary Reviewer's Initials & Date: CRR 12/20/12

Batch Numbers	97423				

QC Criteria—Non-MCP: ICV/CCV ±10%: LCS/LCSD ±15%: MS/MSD ±25%: ICB/MB/CCB <RL: MD/MSD/LCSD RPD ≤20%

QC Criteria—MCP/RCP: (9012 and 7196 only)
9012 (water): ICV/CCV ±15%: LCS/LCSD ±20%: MS/MSD ±25%: ICB/MB/CCB <RL: MD/MSD/LCSD RPD ≤20%
9012 (soil): ICV/CCV ±15%: LCS/LCSD **: MS/MSD ±25%: ICB/MB/CCB <RL: MD RPD 35%: MSD/LCSD RPD ≤30%
7196 (water): ICV/CCV ±15%: LCS/LCSD ±20%: MS/MSD ±25%: ICB/MB/CCB <RL: MD/MSD/LCSD RPD ≤20%
7196 (soil): ICV/CCV ±15%: LCS/LCSD **: MSS/MSI ±25%: ICB/MB/CCB <RL: MD RPD ≤35%: LCSD RPD ≤30%

FAILURES OF QC FOR ANYTHING OTHER THAN MS, MSD or MD ARE GROUNDS FOR INVALIDATING THE BATCH.

Criteria for QC	Yes	No	n/a	Notes/Comments
Were the ICV and/or CCVs within acceptable limits for QC recovery?			✓	
Were the ICB and/or CCBs all <RL?			✓	
Were all MB and/or CCB results <RL for the analytes of interest?			✓	
Was there a CCV/CCB combination run after every 10 samples or less?			✓	
Was there an LCS run with every batch of 20 samples or less?	✓			
Was there a MD, LCSD and/or MSD run with every batch of 20 samples or less?	✓			
Were all LCS/LCSD results within acceptable limits for QC recovery?	✓			
Were all MS/MSD results within acceptable limits for QC recovery?			✓	
Were all MD, LCSD and/or MSD %RPDs within acceptable limits for QC recovery?	✓			
Were the raw data points for investigative samples within the working curve range, or if not, were the samples diluted to bring them within this range?			✓	
IF there were any MCP/RCP samples in this batch, did they meet all MCP/RCP requirements?			✓	
Were there any holding time violations in this batch?		✓		**NOTE!** The PM and QA Manager must be notified by email *immediately* of any holding time violations!!
Were any NCMs generated for any samples in the batch? (If so, list NCM numbers, and first-reviewer must check off any "No" answers above as applicable.)			✓	
Were any jobs in this batch Level 4? If "Yes" then scan all raw data & place in correct scan folder on the public drive before filing this paperwork.	✓			

** LCS or LCSD must produce a recovery that is within the manufacturer's specified 95% confidence limits, must be matrix matched.

TestAmerica WESTFIELD

SANITARY CHEMICAL ANALYSIS

Analyst: [illegible]

Date: 12-14-12 con't

pH	SM 4500H+/EPA 9040/EPA 9045C
Color	SM 2120B
Odor	SM 2150B
ORP	SM2580B

Instruments: Accumet 20 (Installed July 1998; New) Monitek 21 (Installed August 1996; New)

SAMPLE ID #	Time of Analysis	sample weight (g)	pH Analysis		ORP	Color			Odor	comments
			Temp °C	pH (SU)	ORP (mV)	Dilution Factor (DF)	Observed Dil'd Color (C)	Color (units) [=DF x C]	TON	
480-30346 A5 AMEC 12-14 0920	1745	20	19.0	7.18	14					
A6 0940	1748	↓	19.0	6.58	15					
A7 0955	1751		19.0	6.47	10					
A8 1005	1754		18.9	6.77	15					
A9 1015	1757		19.0	6.52	7					
A10 1045	1800		18.9	5.88	9					
A10 1045 Dup	1803	✓	19.2	5.85	15					
CCV pH 6	1806		20.6	5.99						

pH Meter Calibration: Date & Time Calibrated: _____ Analyst Initials: _____ Meter Slope = _____

Buffer Lot Numbers (Fisher Sci.): pH 4.00 = _____ pH 7.00 = _____ pH 10.01 = _____

TestAmerica WESTFIELD

SANITARY CHEMICAL ANALYSIS

Analyst: RLE

Date: 12-14-12 con't

Instruments: Accumet 20 (Installed July 1998; New) Monitek 21 (Installed August 1996; New)

pH	SM 4500H+/EPA 9040/EPA 9045C
Color	SM 2120B
Odor	SM 2150B
ORP	SM2580B

SAMPLE ID #	Time of Analysis	sample weight (g)	pH Analysis		ORP	Color			Odor	comments
			Temp °C	pH (SU)	ORP (mV)	Dilution Factor (DF)	Observed Dil'd Color (C)	Color (units) [=DF x C]	TON	
CCV pH6	0950		20.9	5.96						
480-302838 1 12-14 AGAWAM	1048		18.0	5.52						
480-302848 1 12-14 BRIDGE	1052		16.7	6.76						
DU	1100		17.5	6.79						
480-302126 1 12-13 NUFERN	1104		19.4	7.45						
CCV pH6	1108		20.2	5.98						
W12LORPLCS ORP LCS	1710	20			480					
pH LCS	1715		20.0	5.98						
480-30346A1 AMEC 12-14 0810	1729		18.6	3.80	84					
A2 0820	1736		19.7	5.52	42					
A3 0845	1739		19.0	5.82	34					
A4 0900	1742		19.0	5.94	17					

pH Meter Calibration: Date & Time Calibrated: _____ Analyst Initials: _____ Meter Slope = _____

Buffer Lot Numbers (Fisher Sci.): pH 4.00 = _____ pH 7.00 = _____ pH 10.01 = _____

Metals/Inorganics Analysis Sheet

(To Accompany Samples to Instruments)

Batch Number: 360-97421 | Analyst: Emerich, Rich W | Batch Open: 12/19/2012 11:16:41AM

Method Code: 360-DI_LEACH-360 | Batch End:

Deionized Water Leaching Procedure

	Input Sample Lab ID (Analytical Method)	SDG	Matrix	Initial Amount	Final Amount	Due Date	Analytical TAT	Div Rank	Comments	Output Sample Lab ID
1	LCS~360-97421/1 N/A	N/A		20 g	20 mL	N/A	N/A	N/A		LCS 360-97421/1-A
2	480-30346-A-1 (2580B)	N/A	Solid	20 g	20 mL	12/28/12	9_Days - R	4		480-30346-A-1-B
3	480-30346-A-2 (2580B)	N/A	Solid	20 g	20 mL	12/28/12	9_Days - R	4		480-30346-A-2-B
4	480-30346-A-3 (2580B)	N/A	Solid	20 g	20 mL	12/28/12	9_Days - R	4		480-30346-A-3-B
5	480-30346-A-4 (2580B)	N/A	Solid	20 g	20 mL	12/28/12	9_Days - R	4		480-30346-A-4-B
6	480-30346-A-5 (2580B)	N/A	Solid	20 g	20 mL	12/28/12	9_Days - R	4		480-30346-A-5-B
7	480-30346-A-6 (2580B)	N/A	Solid	20 g	20 mL	12/28/12	9_Days - R	4		480-30346-A-6-B
8	480-30346-A-7 (2580B)	N/A	Solid	20 g	20 mL	12/28/12	9_Days - R	4		480-30346-A-7-B
9	480-30346-A-8 (2580B)	N/A	Solid	20 g	20 mL	12/28/12	9_Days - R	4		480-30346-A-8-B
10	480-30346-A-9 (2580B)	N/A	Solid	20 g	20 mL	12/28/12	9_Days - R	4		480-30346-A-9-B
11	480-30346-A-10 (2580B)	N/A	Solid	20 g	20 mL	12/28/12	9_Days - R	4		480-30346-A-10-C
12	480-30346-A-10~DU (2580B)	N/A	Solid	20 g	20 mL	12/28/12	9_Days - R	4		480-30346-A-10-D DU

Metals/Inorganics Analysis Sheet

(To Accompany Samples to Instruments)

Batch Number: 360-97421 | Analyst: Emerich, Rich W | Batch Open: 12/19/2012 11:16:41AM

Method Code: 360-DI_LEACH-360 | Batch End:

Batch Notes

Balance ID

Blank Soil Lot Number

Batch Comment

Comments

Login Comments for Job 30346: MCP/Level 4 stand alone(12/18/12); L4Reviewed:
~Sub methods:2580B, 7199, 9045C, moist.~

Metals/Inorganics Analysis Sheet

(To Accompany Samples to Instruments)

Batch Number: 360-97421 Analyst: Emerich, Rich W Batch Open: 12/19/2012 11:16:41AM

Method Code: 360-DI_LEACH-360 Batch End:

Reagent Additions Worksheet

Lab ID	Reagent Code	Amount Added	Final Amount	By	Witness
LCS 360-97421/1	W12L_ORP_LCS_00001	20 mL	20 mL		

Other Reagents:

Reagent	Amount/Units	Lot#:

TestAmerica Westfield
Westfield Executive Park 53 Southampton Road
Westfield, MA 01085
Phone (413) 572-4000 Fax (413) 572-3707

Boston Service Center
240 Bear Hill Rd. Suite 104
Waltham, MA 02451
Phone (781) 466-6900 Fax (781) 466-6901

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information			
Client Contact: David Chapman	Sampler: David Chapman	Lab PM: Becky Mason	Carrier Tracking No(s):
Company: AMEC	Phone: 339-927-3793	E-Mail:	
Address: 2 Robbins Rd	Due Date Requested: Standard		
City: Westfield MA	TAT Requested (days): Standard		
State, Zip: MA 01086			
Phone: 972-692-9096	Quote #:		
Email: david.chapman@amec.com	PO #:		
Project Name/number: [illegible]	WO #:		
Site: [illegible]	SSOW#:		

COC No: 22212
Page: 1 of 1
Job #: 480-30346

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, H - Ascorbic Acid, I - Ice, J - DI Water, M - Hexane, N - None, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, Z - other (specify)

Regulatory programs:
MCP [X] GW1/S1 [X]
RCP [ ] CT RSR [ ]
DEP Form [ ] EDD Required [ ]
EDA / superfund [X]

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Sampler's Initials	Field Filtered Sample?	Perform MS/MSD?	Hex Cr SW-846-7196	SVOCs (8270) 8270	TPH 8260	Total Number of containers	Special Instructions/Note:
			Preservation Code:									
[illegible]-SB-521-[illegible]/15-XXX	12-14-12	8:10	C	S	[illegible]	N	N	3			3	See Becky
[illegible]-SB-521-[illegible]/18-XXX	12-14-12	8:20	C	S	[illegible]	N	N	3			3	Mason and
[illegible]-SB-521-[illegible]/18-XXX	12-14-12	8:45	C	S	[illegible]	N	N	3			3	questions
[illegible]-SB-519-[illegible]/10-XXX	12-14-12	9:00	C	S	[illegible]	N	N	3	1		3	
[illegible]-SB-519-[illegible]/10-XXX	12-14-12	9:20	C	S	[illegible]	N	N	3	1		3	
[illegible]-SB-519-12/14-XXX	12-14-12	9:40	C	S	[illegible]	N	N	3	1		3	
[illegible]-SB-518-[illegible]/10-XXX	12-14-12	9:55	C	S	[illegible]	N	N	3	1	4	7	
[illegible]-SB-518-[illegible]/10-XXX	12-14-12	10:05	C	S	[illegible]	N	N	3	1	4	7	
[illegible]-SB-518-13/15-XXX	12-14-12	10:15	C	S	[illegible]	N	N	3	1	4	7	
[illegible]-SB-500-[illegible]/10-XXX	12-14-12	10:45	C	S	[illegible]	N	N	3			3	

Possible Hazard Identification
[ ] Non-Hazard [ ] Flammable [ ] Skin Irritant [ ] Poison B [ ] Unknown [ ] Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
[ ] Return To Client [X] Disposal By Lab [ ] Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
David Chapman	12-14-12 1300	AMEC	[signature]	12-14-12 1300	
[signature]	12-14-12				

Custody Seals Intact: Δ Yes Δ No
Custody Seal No.:
Cooler Temperature(s) °C and Other Remarks:

TAL-8245-360 1111

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 480-30346-1

SDG No.:

Batch Number: 140539 Batch Start Date: 12/19/12 17:24 Batch Analyst: Robinson, Ian

Batch Method: Moisture Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	DISH#	DishWeight	SampleMassWet	SampleMassDry		
480-30346-A-1	OC-SB-521-0.0/1.0-XXX	Moisture	T	176	0.98 g	6.14 g	1.89 g		
480-30346-A-2	OC-SB-521-8.0/10-XXX	Moisture	T	177	1.02 g	6.30 g	5.24 g		
480-30346-A-3	OC-SB-521-16/18-XXX	Moisture	T	178	1.03 g	6.79 g	5.77 g		
480-30346-A-4	OC-SB-519-0.0/1.0-XXX	Moisture	T	179	0.98 g	6.42 g	4.58 g		
480-30346-A-5	OC-SB-519-8.0/10-XXX	Moisture	T	180	1.02 g	6.53 g	5.20 g		
480-30346-A-6	OC-SB-519-12/14-XXX	Moisture	T	181	1.02 g	6.46 g	5.28 g		
480-30346-A-7	OC-SB-518-0.0/1.0-XXX	Moisture	T	182	1.03 g	6.19 g	4.71 g		
480-30346-A-8	OC-SB-518-8.0/10-XXX	Moisture	T	183	0.96 g	6.87 g	5.63 g		
480-30346-A-9	OC-SB-518-13/15-XXX	Moisture	T	184	0.95 g	6.12 g	5.11 g		
480-30346-A-10	OC-SB-509-0.0/1.0-XXX	Moisture	T	185	0.97 g	6.34 g	4.98 g		

Batch Notes	
Balance ID	104 No Unit
Date samples were placed in the oven	12/19/12
Oven Temp when samples are put in oven	105 Degrees C
Time samples were place in the oven	17:45
Date samples were removed from oven	12/20/12
Oven Temp when samples removed from oven	104 Degrees C
Time Samples were removed from oven	13:58
Oven ID	Oven 3
ID number of the thermometer	C4387
Uncorrected In Temperature	105 Celsius
Uncorrected Out Temperature	104 Celsius

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 Edison Job No.: 480-30346-1

SDG No.:

Batch Number: 140539 Batch Start Date: 12/19/12 17:24 Batch Analyst: Robinson, Ian

Batch Method: Moisture Batch End Date:

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 Westfield Job No.: 480-30346-1

SDG No.:

Batch Number: 97420 Batch Start Date: 12/14/12 08:00 Batch Analyst: Emerich, Rich W

Batch Method: DI Leach Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	W12H_PH_6 00001			
LCS 360-97420/1		DI Leach, 9045C		20 g	20 mL	20 mL			
480-30346-A-1	OC-SB-521-0.0/1.0-XXX	DI Leach, 9045C	S	20 g	20 mL				
480-30346-A-2	OC-SB-521-8.0/10-XXX	DI Leach, 9045C	S	20 g	20 mL				
480-30346-A-3	OC-SB-521-16/18-XXX	DI Leach, 9045C	S	20 g	20 mL				
480-30346-A-4	OC-SB-519-0.0/1.0-XXX	DI Leach, 9045C	S	20 g	20 mL				
480-30346-A-5	OC-SB-519-8.0/10-XXX	DI Leach, 9045C	S	20 g	20 mL				
480-30346-A-6	OC-SB-519-12/14-XXX	DI Leach, 9045C	S	20 g	20 mL				
480-30346-A-7	OC-SB-518-0.0/1.0-XXX	DI Leach, 9045C	S	20 g	20 mL				
480-30346-A-8	OC-SB-518-8.0/10-XXX	DI Leach, 9045C	S	20 g	20 mL				
480-30346-A-9	OC-SB-518-13/15-XXX	DI Leach, 9045C	S	20 g	20 mL				
480-30346-A-10	OC-SB-509-0.0/1.0-XXX	DI Leach, 9045C	S	20 g	20 mL				
480-30346-A-10 DU	OC-SB-509-0.0/1.0-XXX	DI Leach, 9045C	S	20 g	20 mL				

Batch Notes	

Basis	Basis Description
S	Soluble

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 Westfield Job No.: 480-30346-1

SDG No.:

Batch Number: 97422 Batch Start Date: 12/14/12 09:01 Batch Analyst: Emerich, Rich W

Batch Method: 9045C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	W12H_PH_6 00001					
CCV 360-97422/13		9045C		20 mL					

Batch Notes	
pH Buffer 1 ID	PH4 FISHER-120144
pH Buffer 2 ID	PH7 FISHER-114197
pH Buffer 3 ID	PH10 FISHER-114767

Basis	Basis Description

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

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Westfield Job No.: 480-30346-1

SDG No.:

Batch Number: 97421 Batch Start Date: 12/19/12 11:16 Batch Analyst: Emerich, Rich W

Batch Method: DI Leach Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	W12L_ORP_LCS 00001			
LCS 360-97421/1		DI Leach, SM 2580B		20 g	20 mL	20 mL			
480-30346-A-1	OC-SB-521-0.0/1.0-XXX	DI Leach, SM 2580B	S	20 g	20 mL				
480-30346-A-2	OC-SB-521-8.0/10-XXX	DI Leach, SM 2580B	S	20 g	20 mL				
480-30346-A-3	OC-SB-521-16/18-XXX	DI Leach, SM 2580B	S	20 g	20 mL				
480-30346-A-4	OC-SB-519-0.0/1.0-XXX	DI Leach, SM 2580B	S	20 g	20 mL				
480-30346-A-5	OC-SB-519-8.0/10-XXX	DI Leach, SM 2580B	S	20 g	20 mL				
480-30346-A-6	OC-SB-519-12/14-XXX	DI Leach, SM 2580B	S	20 g	20 mL				
480-30346-A-7	OC-SB-518-0.0/1.0-XXX	DI Leach, SM 2580B	S	20 g	20 mL				
480-30346-A-8	OC-SB-518-8.0/10-XXX	DI Leach, SM 2580B	S	20 g	20 mL				
480-30346-A-9	OC-SB-518-13/15-XXX	DI Leach, SM 2580B	S	20 g	20 mL				
480-30346-A-10	OC-SB-509-0.0/1.0-XXX	DI Leach, SM 2580B	S	20 g	20 mL				
480-30346-A-10 DU	OC-SB-509-0.0/1.0-XXX	DI Leach, SM 2580B	S	20 g	20 mL				

Batch Notes	

Basis	Basis Description
S	Soluble

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

Subcontract Data

Shipping and Receiving Documents

TestAmerica Westfield
Westfield Executive Park 53 Southampton Road
Westfield, MA 01085
Phone (413) 572-4000 Fax (413) 572-3707

Boston Service Center
240 Bear Hill Rd. Suite 104
Waltham, MA 02451
Phone (781) 466-6900 Fax (781) 466-6901

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information			
Client Contact: David Chapman	Sampler: David Chapman	Lab PM: Becky Mason	Carrier Tracking No(s):
Company: AMEC	Phone: 339-927-3793	E-Mail:	COC No: 22212
Address: 2 Robbins Rd	Due Date Requested: Standard		Page: 1 of 1
City: Westfield, MA	TAT Requested (days): Standard		Job #: 480-30346
State, Zip: MA, 01886			
Phone: 978-692-9090	Quote #:		
Email: david.chapman@amec.com	PO #:		
Project Name/number: GIW, Wilmington, 6107120016	WO #:		
Site: GIW, Wilmington	SSOW#:		

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Sampler's Initials	Field Filtered Sample?	Perform MS/MSD?	Hex Cr SW-846-7196	SVOCs (BEHP) 8270C	TMPs 8260B	Total Number of containers	Special Instructions/Note:
			Preservation Code:									
OC-SB-521-0.0/1.0-xxx	12-14-12	8:10	C	S	DC	N	N	3			3	See Becky Mason w/ questions
OC-SB-521-8.0/10-xxx	12-14-12	8:20	C	S	DC	N	N	3			3	
OC-SB-521-16/18-xxx	12-14-12	8:45	C	S	DC	N	N	3			3	
OC-SB-519-0.0/1.0-xxx	12-14-12	9:00	C	S	DC	N	N	3	1		3	
OC-SB-519-8.0/10-xxx	12-14-12	9:20	C	S	DC	N	N	3	1		3	
OC-SB-519-12/14-xxx	12-14-12	9:40	C	S	DC	N	N	3	1		3	
OC-SB-518-0.0/1.0-xxx	12-14-12	9:55	C	S	DC	N	N	3	1	4	7	
OC-SB-518-8.0/10-xxx	12-14-12	10:05	C	S	DC	N	N	3	1	4	7	
OC-SB-518-13/15-xxx	12-14-12	10:15	C	S	DC	N	N	3	1	4	7	
OC-SB-509-0.0/1.0-xxx	12-14-12	10:45	C	S	DC	N	N	3			3	

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, H - Ascorbic Acid, I - Ice, J - DI Water, M - Hexane, N - None, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, Z - other (specify)

Regulatory programs:
MCP [X] GW1/S1 [X]
RCP [ ] CT RSR [ ]
DEP Form [ ] EDD Required [ ]
EPA / superfund [X]

Possible Hazard Identification
[ ] Non-Hazard [ ] Flammable [ ] Skin Irritant [ ] Poison B [ ] Unknown [ ] Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
[ ] Return To Client [X] Disposal By Lab [ ] Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
David Chapman	12-14-12 1300	AMEC		12/14/12 1300	
	12/14/12 1700			12/14/12 1700	TA

Custody Seals Intact: Δ Yes Δ No
Custody Seal No.:
Cooler Temperature(s) °C and Other Remarks: 2.6 IR

TAL-8245-360 1111

Login Sample Receipt Checklist

Client: Olin Corporation

Job Number: 480-30346-1

Login Number: 30346

List Source: TestAmerica Buffalo

List Number: 1

Creator: Kolb, Chris M

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is 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 sample IDs on the containers 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	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

Login Sample Receipt Checklist

Client: Olin Corporation

Job Number: 480-30346-1

Login Number: 30346
List Number: 1
Creator: Hall, Alonzo

List Source: TestAmerica Edison
List Creation: 12/18/12 02:47 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	Not present
Sample custody seals, if present, are intact.	N/A	
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	1.4° c ir #4
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 <6mm (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	No analysis requiring residual chlorine check assigned.

Login Sample Receipt Checklist

Client: Olin Corporation

Job Number: 480-30346-1

Login Number: 30346
List Number: 1
Creator: Soderblom, Tim

List Source: TestAmerica Irvine
List Creation: 12/22/12 03:52 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= 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?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Olin Corporation

Job Number: 480-30346-1

Login Number: 30346
List Number: 2
Creator: Freitag, Kevin R

List Source: TestAmerica Irvine
List Creation: 01/04/13 08:26 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= 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?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Olin Corporation

Job Number: 480-30346-1

Login Number: 30346
List Number: 1
Creator: Emerich, Rich W

List Source: TestAmerica Westfield
List Creation: 12/19/12 10:24 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
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 <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	