TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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ANALYTICAL REPORT

CHECKED FOR COMPLETENESS OF PARAMETERS ORDERED BY:

Job Number: 480-30197-1

Job Description: Olin Chemical Wilmington MA Superfund S

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 2:24 PM

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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 #:	**480-30197-1**
Project Location:	**Olin Wilmington**	RTN:	

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

480-30197-1 [1-20]

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:	1/9/13 14:32

This form has been electronically signed and approved

CASE NARRATIVE
Client: Olin Corporation

Project: Olin Chemical Wilmington MA Superfund S
Report Number: 480-30197-1

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 1.2 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.

Sample OC-SS-509-0.0/1.0XXX was cancelled by the client and therefore no data will appear for that location.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples OC-SB-520-0.0/1.0-XXX (480-30197-4), OC-SB-520-8.0/10-XXX (480-30197-5) and OC-SB-520-18/20-XXX (480-30197-6) were analyzed for volatile organic compounds (GC-MS) in accordance with SW846 8260C. The samples were prepared and analyzed on 12/16/2012 and 12/17/2012.

CCV

Method(s) 8260C: The continuing calibration verification (CCV) for 2,4,4-Trimethyl-1pentene associated with analytical batch 96032 exceeded MCP control limits. MCP protocol allows for 20% of the target compounds to be outside the 20% difference but not over 40% difference.

Initial Calibration

The initial calibration curve 11594 analyzed on 12/11/2012 was outside acceptance criteria for 2,4,4-trimethyl-1-pentene. MCP protocol allows for 10% of the target compounds to be outside of the 20% RSD limit for the calibration, provided the RSD's do not exceed 40%.

General

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

No difficulties were encountered during the VOC analyses.

All quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS) - LOW LEVEL

Samples OC-SB-520-0.0/1.0-XXX (480-30197-4), OC-SB-520-8.0/10-XXX (480-30197-5), OC-SB-520-18/20-XXX (480-30197-6), OC-SB-522-0.0/1.0-XXX (480-30197-7), OC-SB-522-8.0/10-XXX (480-30197-8) and OC-SB-522-13/15-XXX (480-30197-9) were analyzed for semivolatile organic compounds (GC-MS) - Low Level in accordance with EPA SW-846 Method 8270D LL. The samples were prepared on 12/18/2012 and analyzed on 12/20/2012 and 12/21/2012.

Surrogate

2,4,6-Tribromophenol, 2-Fluorobiphenyl, 2-Fluorophenol, Nitrobenzene-d5, Phenol-d5 and p-Terphenyl-d14 failed the surrogate recovery criteria low for OC-SB-522-8.0/10-XXX (480-30197-8). Refer to the QC report for details.

General

At the request of the client, an abbreviated MCP analyte list was reported for this job. Only Bis(2-ethylhexyl) phthalate was requested.

Sample OC-SB-522-8.0/10-XXX (480-30197-8)[100X] required dilution prior to analysis due to an abundance of target analytes . The reporting limits have been adjusted accordingly.

Method(s) 8270D: The following sample was diluted due to an abundance of target analytes: OC-SB-522-8.0/10-XXX (480-30197-8). 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 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 compound was outside control limits in the continuing calibration verification (CCV) associated with batch 96568: Benzoic Acid and 2,3,4,6-Tetrachlorophenol. 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 LCS/LCSD for the associated samples was outside limits, due to the extensive target compound list change the laboratory is unable to reprepare or reanalyze these samples. The samples have been qualified and 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.

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 has been reported.

Method(s) 8270D: Due to the target analyte list change after the initial analysis the laboratory was unable to perform the required dilution for analytes Phenanthrene and Fluoranthene in sample OC-SB-520-0.0/1.0-XXX (480-30197-4). The data has been qualified and reported.

Method(s) 8270C: The following compounds were outside control limits in the continuing calibration verification (CCV) associated with anlytical batch 480-97808: 2-Fluorophenol. This compound is not classified as Calibration Check Compounds (CCCs) in the reference method, and the laboratory defaults to in-house and/or project-specific criteria for evaluation. Due to the large number of analytes contained in the CCV, the laboratory's SOP allows for four analytes to be outside limits; therefore, the data have been reported.

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

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS) MA EPH FRAC

Sample OC-SB-533-6.0/8.0-XXX (480-30197-14) was analyzed for semivolatile organic compounds (GC-MS) MA EPH frac in accordance with EPA SW-846 Method 8270C. The samples were prepared on 12/19/2012 and analyzed on 12/30/2012.

No difficulties were encountered during the semivolatiles analysis.

All quality control parameters were within the acceptance limits.

EXTRACTABLE PETROLEUM HYDROCARBONS

Samples OC-SB-533-0.0/1.0-XXX (480-30197-13), OC-SB-533-6.0/8.0-XXX (480-30197-14), OC-SB-533-13/15-XXX (480-30197-15), OC-SB-532-0.0/1.0-XXX (480-30197-16), OC-SB-532-6.0/8.0-XXX (480-30197-17), OC-SB-532-11/13-XXX (480-30197-18), OC-SB-534-0.0/1.0-XXX (480-30197-19) and OC-SB-534-7.0/9.0-XXX (480-30197-20) were analyzed for extractable petroleum hydrocarbons in accordance with MA DEP MA-EPH. The samples were prepared on 12/19/2012 and analyzed on 12/26/2012. EPH calculation was performed on 12/27/2012

No difficulties were encountered during the EPH analyses.

All quality control parameters were within the acceptance limits.

REDUCTION-OXIDATION (REDOX) POTENTIAL

Samples OC-SB-509-1.0/3.0-XXX (480-30197-1), OC-SB-510-0.0/1.0-XXX (480-30197-2), OC-SB-510-7.0/9.0-XXX (480-30197-3), OC-SB-522-0.0/1.0-XXX (480-30197-7), OC-SB-522-8.0/10-XXX (480-30197-8), OC-SB-522-13/15-XXX (480-30197-9), OC-SB-525-0.0/1.0-XXX (480-30197-10), OC-SB-525-3.0/5.0-XXX (480-30197-11) and OC-SB-525-18/20-XXX (480-30197-12) 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.

No difficulties were encountered during the redox analyses.

All quality control parameters were within the acceptance limits.

HEXAVALENT CHROMIUM

Samples OC-SB-509-1.0/3.0-XXX (480-30197-1), OC-SB-510-0.0/1.0-XXX (480-30197-2), OC-SB-510-7.0/9.0-XXX (480-30197-3), OC-SB-522-0.0/1.0-XXX (480-30197-7), OC-SB-522-8.0/10-XXX (480-30197-8), OC-SB-522-13/15-XXX (480-30197-9), OC-SB-525-0.0/1.0-XXX (480-30197-10), OC-SB-525-3.0/5.0-XXX (480-30197-11) and OC-SB-525-18/20-XXX (480-30197-12) were analyzed for Hexavalent chromium in accordance with SW 846 7199. The samples were prepared on 01/03/2013 and analyzed on 01/04/2013.

Sample OC-SB-509-1.0/3.0-XXX (480-30197-1)[1000X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the hex chrome analyses.

All other quality control parameters were within the acceptance limits.

PH

Samples OC-SB-509-1.0/3.0-XXX (480-30197-1), OC-SB-510-0.0/1.0-XXX (480-30197-2), OC-SB-510-7.0/9.0-XXX (480-30197-3), OC-SB-522-0.0/1.0-XXX (480-30197-7), OC-SB-522-8.0/10-XXX (480-30197-8), OC-SB-522-13/15-XXX (480-30197-9), OC-SB-525-0.0/1.0-XXX (480-30197-10), OC-SB-525-3.0/5.0-XXX (480-30197-11) and OC-SB-525-18/20-XXX (480-30197-12) 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.

PERCENT SOLIDS

Samples OC-SB-509-1.0/3.0-XXX (480-30197-1), OC-SB-510-0.0/1.0-XXX (480-30197-2), OC-SB-510-7.0/9.0-XXX (480-30197-3), OC-SB-520-0.0/1.0-XXX (480-30197-4), OC-SB-520-8.0/10-XXX (480-30197-5), OC-SB-520-18/20-XXX (480-30197-6), OC-SB-522-0.0/1.0-XXX (480-30197-7), OC-SB-522-8.0/10-XXX (480-30197-8), OC-SB-522-13/15-XXX (480-30197-9), OC-SB-525-0.0/1.0-XXX (480-30197-10), OC-SB-525-3.0/5.0-XXX (480-30197-11), OC-SB-525-18/20-XXX (480-30197-12), OC-SB-533-0.0/1.0-XXX (480-30197-13), OC-SB-533-6.0/8.0-XXX (480-30197-14), OC-SB-533-13/15-XXX (480-30197-15), OC-SB-532-0.0/1.0-XXX (480-30197-16), OC-SB-532-6.0/8.0-XXX (480-30197-17), OC-SB-532-11/13-XXX (480-30197-18), OC-SB-534-0.0/1.0-XXX (480-30197-19) and OC-SB-534-7.0/9.0-XXX (480-30197-20) were analyzed for percent solids in accordance with EPA Moisture. The samples were analyzed on 12/18/2012.

No difficulties were encountered during the % solids analyses.

All quality control parameters were within the acceptance limits.

Organic Prep

A significant amount of liquid was present in the following samples: OC-SB-522-13/15-XXX (480-30197-9), OC-SB-522-8.0/10-XXX (480-30197-8). These samples were decanted prior to preparation.

SAMPLE SUMMARY

Client: Olin Corporation

Job Number: 480-30197-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
480-30197-1	OC-SB-509-1.0/3.0-XXX	Solid	12/13/2012 1335	12/14/2012 1830
480-30197-2	OC-SB-510-0.0/1.0-XXX	Solid	12/13/2012 1255	12/14/2012 1830
480-30197-3	OC-SB-510-7.0/9.0-XXX	Solid	12/13/2012 1300	12/14/2012 1830
480-30197-4	OC-SB-520-0.0/1.0-XXX	Solid	12/13/2012 0810	12/14/2012 1830
480-30197-5	OC-SB-520-8.0/10-XXX	Solid	12/13/2012 0840	12/14/2012 1830
480-30197-6	OC-SB-520-18/20-XXX	Solid	12/13/2012 0850	12/14/2012 1830
480-30197-7	OC-SB-522-0.0/1.0-XXX	Solid	12/13/2012 0920	12/14/2012 1830
480-30197-8	OC-SB-522-8.0/10-XXX	Solid	12/13/2012 0940	12/14/2012 1830
480-30197-9	OC-SB-522-13/15-XXX	Solid	12/13/2012 0950	12/14/2012 1830
480-30197-10	OC-SB-525-0.0/1.0-XXX	Solid	12/13/2012 1100	12/14/2012 1830
480-30197-11	OC-SB-525-3.0/5.0-XXX	Solid	12/13/2012 1120	12/14/2012 1830
480-30197-12	OC-SB-525-18/20-XXX	Solid	12/13/2012 1145	12/14/2012 1830
480-30197-13	OC-SB-533-0.0/1.0-XXX	Solid	12/13/2012 1400	12/14/2012 1830
480-30197-14	OC-SB-533-6.0/8.0-XXX	Solid	12/13/2012 1420	12/14/2012 1830
480-30197-15	OC-SB-533-13/15-XXX	Solid	12/13/2012 1430	12/14/2012 1830
480-30197-16	OC-SB-532-0.0/1.0-XXX	Solid	12/13/2012 1440	12/14/2012 1830
480-30197-17	OC-SB-532-6.0/8.0-XXX	Solid	12/13/2012 1445	12/14/2012 1830
480-30197-18	OC-SB-532-11/13-XXX	Solid	12/13/2012 1450	12/14/2012 1830
480-30197-19	OC-SB-534-0.0/1.0-XXX	Solid	12/13/2012 1505	12/14/2012 1830
480-30197-20	OC-SB-534-7.0/9.0-XXX	Solid	12/13/2012 1510	12/14/2012 1830

EXECUTIVE SUMMARY - Detections

Client: Olin Corporation

Job Number: 480-30197-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-30197-1	**OC-SB-509-1.0/3.0-XXX**					
Percent Moisture		20		0.10	%	Moisture
Percent Solids		80		0.10	%	Moisture
Cr (VI)		28		25	mg/Kg	7199
Soluble						
pH-Soluble		6.85		1.00	SU	9045C
Oxidation Reduction Potential-Soluble		18		0.010	millivolts	SM 2580B
480-30197-2	**OC-SB-510-0.0/1.0-XXX**					
Percent Moisture		7.9		0.10	%	Moisture
Percent Solids		92		0.10	%	Moisture
Cr (VI)		10		0.22	mg/Kg	7199
Soluble						
pH-Soluble		5.36		1.00	SU	9045C
Oxidation Reduction Potential-Soluble		83		0.010	millivolts	SM 2580B
480-30197-3	**OC-SB-510-7.0/9.0-XXX**					
Percent Moisture		14		0.10	%	Moisture
Percent Solids		86		0.10	%	Moisture
Cr (VI)		6.0		0.23	mg/Kg	7199
Soluble						
pH-Soluble		6.88		1.00	SU	9045C
Oxidation Reduction Potential-Soluble		55		0.010	millivolts	SM 2580B

EXECUTIVE SUMMARY - Detections

Client: Olin Corporation

Job Number: 480-30197-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-30197-4	**OC-SB-520-0.0/1.0-XXX**					
Bis(2-ethylhexyl) phthalate		97	J	200	ug/Kg	8270D
Fluorene		160		39	ug/Kg	8270D
Dibenzofuran		130		39	ug/Kg	8270D
Benzo[g,h,i]perylene		140		39	ug/Kg	8270D
Phenanthrene		1100	E	39	ug/Kg	8270D
Benzo[k]fluoranthene		190		39	ug/Kg	8270D
Anthracene		290		39	ug/Kg	8270D
2-Methylnaphthalene		80		39	ug/Kg	8270D
Pyrene		690		39	ug/Kg	8270D
Naphthalene		200		39	ug/Kg	8270D
Fluoranthene		860	E	39	ug/Kg	8270D
Benzo[a]anthracene		430		39	ug/Kg	8270D
Indeno[1,2,3-cd]pyrene		130		39	ug/Kg	8270D
Chrysene		340		39	ug/Kg	8270D
Acenaphthene		100		39	ug/Kg	8270D
Benzo[b]fluoranthene		460		39	ug/Kg	8270D
Benzo[a]pyrene		360		39	ug/Kg	8270D
Carbazole		96		39	ug/Kg	8270D
1-Methylnaphthalene		55		39	ug/Kg	8270D
Benzaldehyde		13	J	39	ug/Kg	8270D
1,1'-Biphenyl		24	J	39	ug/Kg	8270D
Percent Moisture		16		0.10	%	Moisture
Percent Solids		84		0.10	%	Moisture
480-30197-5	**OC-SB-520-8.0/10-XXX**					
2,4,4-Trimethyl-2-pentene		1.4	J	4.8	ug/Kg	8260C
N-Nitrosodiphenylamine		31	J	35	ug/Kg	8270D
Phenyl ether		43		35	ug/Kg	8270D
Percent Moisture		6.1		0.10	%	Moisture
Percent Solids		94		0.10	%	Moisture
480-30197-6	**OC-SB-520-18/20-XXX**					
2,4,4-Trimethyl-1-pentene		1.4	J	4.3	ug/Kg	8260C
2,4,4-Trimethyl-2-pentene		1.1	J	4.3	ug/Kg	8260C
N-Nitrosodiphenylamine		26	J	35	ug/Kg	8270D
Percent Moisture		7.4		0.10	%	Moisture
Percent Solids		93		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Olin Corporation

Job Number: 480-30197-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-30197-7	**OC-SB-522-0.0/1.0-XXX**					
Bis(2-ethylhexyl) phthalate		150	J	200	ug/Kg	8270D
Benzo[g,h,i]perylene		34	J	40	ug/Kg	8270D
Phenanthrene		90		40	ug/Kg	8270D
Benzo[k]fluoranthene		56		40	ug/Kg	8270D
Anthracene		88		40	ug/Kg	8270D
Pyrene		130		40	ug/Kg	8270D
Fluoranthene		180		40	ug/Kg	8270D
Acetophenone		13	J	40	ug/Kg	8270D
Benzo[a]anthracene		75		40	ug/Kg	8270D
Indeno[1,2,3-cd]pyrene		34	J	40	ug/Kg	8270D
Chrysene		97		40	ug/Kg	8270D
Benzo[b]fluoranthene		140		40	ug/Kg	8270D
Benzo[a]pyrene		82		40	ug/Kg	8270D
N-Nitrosodiphenylamine		20	J	40	ug/Kg	8270D
Benzaldehyde		120		40	ug/Kg	8270D
Percent Moisture		19		0.10	%	Moisture
Percent Solids		81		0.10	%	Moisture
Soluble						
pH-Soluble		6.60		1.00	SU	9045C
Oxidation Reduction Potential-Soluble		31		0.010	millivolts	SM 2580B
480-30197-8	**OC-SB-522-8.0/10-XXX**					
Bis(2-ethylhexyl) phthalate		29000		20000	ug/Kg	8270D
Percent Moisture		18		0.10	%	Moisture
Percent Solids		82		0.10	%	Moisture
Cr (VI)		1.6		0.24	mg/Kg	7199
Soluble						
pH-Soluble		6.61		1.00	SU	9045C
Oxidation Reduction Potential-Soluble		10		0.010	millivolts	SM 2580B
480-30197-9	**OC-SB-522-13/15-XXX**					
Percent Moisture		18		0.10	%	Moisture
Percent Solids		82		0.10	%	Moisture
Cr (VI)		0.20	J	0.24	mg/Kg	7199
Soluble						
pH-Soluble		6.59		1.00	SU	9045C
Oxidation Reduction Potential-Soluble		10		0.010	millivolts	SM 2580B

EXECUTIVE SUMMARY - Detections

Client: Olin Corporation

Job Number: 480-30197-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-30197-10	**OC-SB-525-0.0/1.0-XXX**					
Percent Moisture		10		0.10	%	Moisture
Percent Solids		90		0.10	%	Moisture
Cr (VI)		0.52		0.22	mg/Kg	7199
Soluble						
pH-Soluble		6.96		1.00	SU	9045C
Oxidation Reduction Potential-Soluble		14		0.010	millivolts	SM 2580B
480-30197-11	**OC-SB-525-3.0/5.0-XXX**					
Percent Moisture		16		0.10	%	Moisture
Percent Solids		84		0.10	%	Moisture
Soluble						
pH-Soluble		7.07		1.00	SU	9045C
Oxidation Reduction Potential-Soluble		2.0		0.010	millivolts	SM 2580B
480-30197-12	**OC-SB-525-18/20-XXX**					
Percent Moisture		8.1		0.10	%	Moisture
Percent Solids		92		0.10	%	Moisture
Cr (VI)		9.7		0.22	mg/Kg	7199
Soluble						
pH-Soluble		7.21		1.00	SU	9045C
Oxidation Reduction Potential-Soluble		6.0		0.010	millivolts	SM 2580B
480-30197-13	**OC-SB-533-0.0/1.0-XXX**					
Percent Moisture		5.6		0.10	%	Moisture
Percent Solids		94		0.10	%	Moisture
480-30197-14	**OC-SB-533-6.0/8.0-XXX**					
C11-C22 Aromatics (Adjusted)		120		3.5	mg/Kg	MA-EPH
C11-C22 Aromatics		110		10	mg/Kg	MA-EPH
C19-C36 Aliphatics		73		10	mg/Kg	MA-EPH
Percent Moisture		4.6		0.10	%	Moisture
Percent Solids		95		0.10	%	Moisture
480-30197-15	**OC-SB-533-13/15-XXX**					
Percent Moisture		17		0.10	%	Moisture
Percent Solids		83		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Olin Corporation

Job Number: 480-30197-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-30197-16	**OC-SB-532-0.0/1.0-XXX**					
C11-C22 Aromatics (Adjusted)		28		3.5	mg/Kg	MA-EPH
C11-C22 Aromatics		28		10	mg/Kg	MA-EPH
C19-C36 Aliphatics		14		10	mg/Kg	MA-EPH
Percent Moisture		6.3		0.10	%	Moisture
Percent Solids		94		0.10	%	Moisture
480-30197-17	**OC-SB-532-6.0/8.0-XXX**					
Percent Moisture		15		0.10	%	Moisture
Percent Solids		85		0.10	%	Moisture
480-30197-18	**OC-SB-532-11/13-XXX**					
Percent Moisture		25		0.10	%	Moisture
Percent Solids		75		0.10	%	Moisture
480-30197-19	**OC-SB-534-0.0/1.0-XXX**					
C11-C22 Aromatics (Adjusted)		31		3.5	mg/Kg	MA-EPH
C11-C22 Aromatics		31		11	mg/Kg	MA-EPH
C19-C36 Aliphatics		23		11	mg/Kg	MA-EPH
Percent Moisture		6.6		0.10	%	Moisture
Percent Solids		93		0.10	%	Moisture
480-30197-20	**OC-SB-534-7.0/9.0-XXX**					
Percent Moisture		7.8		0.10	%	Moisture
Percent Solids		92		0.10	%	Moisture

METHOD SUMMARY

Client: Olin Corporation | Job Number: 480-30197-1

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)	TAL BUF	SW846 8270C	
Microwave Extraction	TAL BUF		SW846 3546
Massachusetts - Extractable Petroleum Hydrocarbon Fractionation			MA DEP MA EPH Frac
Semivolatile Organic Compounds (GC/MS) Low Level	TAL BUF	MA DEP 8270D	
Microwave Extraction	TAL BUF		SW846 3546
Massachusetts - Extractable Petroleum Hydrocarbons (GC)	TAL BUF	MA DEP MA-EPH	
Massachusetts - Extractable Petroleum Hydrocarbons (GC)	TAL BUF	MA DEP MA-EPH	
Microwave Extraction	TAL BUF		SW846 3546
Massachusetts - Extractable Petroleum Hydrocarbon Fractionation			MA DEP MA EPH Frac
Percent Moisture	TAL BUF	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 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: 480-30197-1

Method	Analyst	Analyst ID
MA DEP 8260C	Byrnes, Jennifer M	JMB
MA DEP 8260C	Cwiklinski, Charles D	CDC
SW846 8270C	Ly, Hau T	HTL
MA DEP 8270D	McKernan, Ryan	RMM
MA DEP MA-EPH	Besco, Donna	DB
MA DEP MA-EPH	Rudz, Gary	GR
SW846 9045C	Emerich, Rich W	RWE
EPA Moisture	Doyle, Matthew	MD
SM SM 2580B	Emerich, Rich W	RWE
SW846 7199	Pham, Quynh D	QPD

Client: Olin Corporation

Job Number: 480-30197-1

Client Sample ID: **OC-SB-520-0.0/1.0-XXX**

Lab Sample ID: 480-30197-4

Client Matrix: Solid

% Moisture: 16.3

Date Sampled: 12/13/2012 0810

Date Received: 12/14/2012 1830

8260C Volatile Organic Compounds (GC/MS)

Analysis Method:	8260C	Analysis Batch:	480-96032	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-96053	Lab File ID:	F4357.D
Dilution:	1.0			Initial Weight/Volume:	6.24 g
Analysis Date:	12/16/2012 1411			Final Weight/Volume:	5 mL
Prep Date:	12/16/2012 1249				

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

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	88		70 - 130
1,2-Dichloroethane-d4 (Surr)	87		70 - 130
4-Bromofluorobenzene (Surr)	76		70 - 130

Client: Olin Corporation

Job Number: 480-30197-1

Client Sample ID: **OC-SB-520-0.0/1.0-XXX**

Lab Sample ID: 480-30197-4

Client Matrix: Solid

% Moisture: 16.3

Date Sampled: 12/13/2012 0810

Date Received: 12/14/2012 1830

8260C Volatile Organic Compounds (GC/MS)

Analysis Method:	8260C	Analysis Batch:	480-96032	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-96053	Lab File ID:	F4357.D
Dilution:	1.0			Initial Weight/Volume:	6.24 g
Analysis Date:	12/16/2012 1411			Final Weight/Volume:	5 mL
Prep Date:	12/16/2012 1249				

Tentatively Identified Compounds **Number TIC's Found:** **1**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
556-67-2	Cyclotetrasiloxane, octamethyl-	9.54	5.0	T J N

Client: Olin Corporation

Job Number: 480-30197-1

Client Sample ID: **OC-SB-520-8.0/10-XXX**

Lab Sample ID: 480-30197-5

Client Matrix: Solid

% Moisture: 6.1

Date Sampled: 12/13/2012 0840

Date Received: 12/14/2012 1830

8260C Volatile Organic Compounds (GC/MS)

Analysis Method:	8260C	Analysis Batch:	480-96032	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-96053	Lab File ID:	F4358.D
Dilution:	1.0			Initial Weight/Volume:	5.57 g
Analysis Date:	12/16/2012 1437			Final Weight/Volume:	5 mL
Prep Date:	12/16/2012 1249				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4,4-Trimethyl-1-pentene		ND		0.41	4.8
2,4,4-Trimethyl-2-pentene		1.4	J	0.51	4.8

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	89		70 - 130
1,2-Dichloroethane-d4 (Surr)	88		70 - 130
4-Bromofluorobenzene (Surr)	87		70 - 130

Client: Olin Corporation

Job Number: 480-30197-1

Client Sample ID: **OC-SB-520-8.0/10-XXX**

Lab Sample ID: 480-30197-5

Client Matrix: Solid

% Moisture: 6.1

Date Sampled: 12/13/2012 0840

Date Received: 12/14/2012 1830

8260C Volatile Organic Compounds (GC/MS)

Analysis Method:	8260C	Analysis Batch:	480-96032	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-96053	Lab File ID:	F4358.D
Dilution:	1.0			Initial Weight/Volume:	5.57 g
Analysis Date:	12/16/2012 1437			Final Weight/Volume:	5 mL
Prep Date:	12/16/2012 1249				

Tentatively Identified Compounds **Number TIC's Found:** **1**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
556-67-2	Cyclotetrasiloxane, octamethyl-	9.54	6.1	T J N

Client: Olin Corporation

Job Number: 480-30197-1

Client Sample ID: **OC-SB-520-18/20-XXX**

Lab Sample ID: 480-30197-6

Client Matrix: Solid

% Moisture: 7.4

Date Sampled: 12/13/2012 0850

Date Received: 12/14/2012 1830

8260C Volatile Organic Compounds (GC/MS)

Analysis Method:	8260C	Analysis Batch:	480-96268	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-96264	Lab File ID:	F4407.D
Dilution:	1.0			Initial Weight/Volume:	6.24 g
Analysis Date:	12/17/2012 2349			Final Weight/Volume:	5 mL
Prep Date:	12/17/2012 2218				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4,4-Trimethyl-1-pentene		1.4	J	0.37	4.3
2,4,4-Trimethyl-2-pentene		1.1	J	0.46	4.3

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	89		70 - 130
1,2-Dichloroethane-d4 (Surr)	97		70 - 130
4-Bromofluorobenzene (Surr)	88		70 - 130

Client: Olin Corporation

Job Number: 480-30197-1

Client Sample ID: **OC-SB-520-18/20-XXX**

Lab Sample ID: 480-30197-6

Client Matrix: Solid

% Moisture: 7.4

Date Sampled: 12/13/2012 0850

Date Received: 12/14/2012 1830

8260C Volatile Organic Compounds (GC/MS)

Analysis Method:	8260C	Analysis Batch:	480-96268	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-96264	Lab File ID:	F4407.D
Dilution:	1.0			Initial Weight/Volume:	6.24 g
Analysis Date:	12/17/2012 2349			Final Weight/Volume:	5 mL
Prep Date:	12/17/2012 2218				

Tentatively Identified Compounds **Number TIC's Found:** **1**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
556-67-2	Cyclotetrasiloxane, octamethyl-	9.54	5.7	T J N

Client: Olin Corporation

Job Number: 480-30197-1

Client Sample ID: **OC-SB-533-6.0/8.0-XXX**

Lab Sample ID: 480-30197-14

Client Matrix: Solid

Date Sampled: 12/13/2012 1420

Date Received: 12/14/2012 1830

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-97808	Instrument ID:	HP5973V
Prep Method:	3546	Prep Batch:	480-96085	Lab File ID:	V7920.D
Dilution:	1.0			Initial Weight/Volume:	000010.3 g
Analysis Date:	12/30/2012 0009			Final Weight/Volume:	2 mL
Prep Date:	12/19/2012 0806			Injection Volume:	1 uL

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL	RL
2-Methylnaphthalene		ND		990	990
Acenaphthene		ND		990	990
Acenaphthylene		ND		990	990
Anthracene		ND		990	990
Benz(a)anthracene		ND		990	990
Benzo(a)pyrene		ND		990	990
Benzo(b)fluoranthene		ND		990	990
Benzo(ghi)perylene		ND		990	990
Benzo(k)fluoranthene		ND		990	990
Chrysene		ND		990	990
Dibenz(a,h)anthracene		ND		990	990
Fluoranthene		ND		990	990
Fluorene		ND		990	990
Indeno(1,2,3-cd)pyrene		ND		990	990
Naphthalene		ND		990	990
Phenanthrene		ND		990	990
Pyrene		ND		990	990

Client: Olin Corporation

Job Number: 480-30197-1

Client Sample ID: **OC-SB-520-0.0/1.0-XXX**

Lab Sample ID: 480-30197-4

Client Matrix: Solid

% Moisture: 16.3

Date Sampled: 12/13/2012 0810

Date Received: 12/14/2012 1830

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

Analysis Method:	8270D	Analysis Batch:	480-96803	Instrument ID:	HP5973X
Prep Method:	3546	Prep Batch:	480-96302	Lab File ID:	X3195.D
Dilution:	1.0			Initial Weight/Volume:	000030.4 g
Analysis Date:	12/20/2012 1217			Final Weight/Volume:	1 mL
Prep Date:	12/18/2012 0812			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Bis(2-ethylhexyl) phthalate		97	J	79	200
2,4,5-Trichlorophenol		ND		13	39
Aniline		ND		12	39
Hexachloroethane		ND		12	39
Dimethyl phthalate		ND		12	39
2,4-Dimethylphenol		ND	*	12	39
Isophorone		ND		12	39
Fluorene		160		12	39
Dibenzofuran		130		12	39
Acenaphthylene		ND		12	39
2,4-Dichlorophenol		ND		12	39
Benzo[g,h,i]perylene		140		12	39
Hexachlorobenzene		ND		12	39
Di-n-octyl phthalate		ND		12	39
Hexachlorobutadiene		ND		12	39
Phenanthrene		1100	E	12	39
2-Nitrophenol		ND	*	15	39
Benzo[k]fluoranthene		190		20	39
2,4-Dinitrophenol		ND	*	32	39
Anthracene		290		12	39
2-Methylnaphthalene		80		12	39
Di-n-butyl phthalate		ND		59	200
1,2,4-Trichlorobenzene		ND		12	39
Pyrene		690		12	39
2,4-Dinitrotoluene		ND		12	39
Dibenz(a,h)anthracene		ND		12	39
1,3-Dichlorobenzene		ND		12	39
Nitrobenzene		ND		12	39
Naphthalene		200		12	39
2,4,6-Trichlorophenol		ND		17	39
Pentachlorophenol		ND		12	39
Fluoranthene		860	E	12	39
3,3'-Dichlorobenzidine		ND		14	79
4-Bromophenyl phenyl ether		ND		12	39
Diethyl phthalate		ND		13	39
2-Methylphenol		ND		12	39
1,2-Dichlorobenzene		ND		12	39
2,2'-oxybis[1-chloropropane]		ND		12	39
Acetophenone		ND		12	39
Bis(2-chloroethyl)ether		ND		12	39
Benzo[a]anthracene		430		12	39
Indeno[1,2,3-cd]pyrene		130		12	39
Butyl benzyl phthalate		ND		12	39
Chrysene		340		12	39
Acenaphthene		100		12	39
Benzo[b]fluoranthene		460		12	39

Client: Olin Corporation

Job Number: 480-30197-1

Client Sample ID: **OC-SB-520-0.0/1.0-XXX**

Lab Sample ID: 480-30197-4

Client Matrix: Solid

% Moisture: 16.3

Date Sampled: 12/13/2012 0810

Date Received: 12/14/2012 1830

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

Analysis Method:	8270D	Analysis Batch:	480-96803	Instrument ID:	HP5973X
Prep Method:	3546	Prep Batch:	480-96302	Lab File ID:	X3195.D
Dilution:	1.0			Initial Weight/Volume:	000030.4 g
Analysis Date:	12/20/2012 1217			Final Weight/Volume:	1 mL
Prep Date:	12/18/2012 0812			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4-Nitrophenol		ND	*	17	200
4-Chloroaniline		ND	*	35	79
2-Chlorophenol		ND		12	39
2,6-Dinitrotoluene		ND	*	33	39
Phenol		ND		12	39
3 & 4 Methylphenol		ND		12	39
1,4-Dichlorobenzene		ND		12	39
Bis(2-chloroethoxy)methane		ND		12	39
2-Chloronaphthalene		ND		12	39
N-Nitrosodi-n-propylamine		ND		12	39
4-Chlorophenyl phenyl ether		ND		12	39
4-Chloro-3-methylphenol		ND		12	79
Benzo[a]pyrene		360		12	39
4-Methylphenol		ND		12	39
4-Nitroaniline		ND		33	200
2-Nitroaniline		ND		50	200
Caprolactam		ND		12	39
Carbazole		96		12	39
4,6-Dinitro-2-methylphenol		ND		38	200
1-Methylnaphthalene		55		12	39
N-Nitrosodiphenylamine		ND		12	39
Atrazine		ND		12	39
Phenyl ether		ND		12	39
Benzaldehyde		13	J	12	39
Azobenzene		ND		12	39
Hexachlorocyclopentadiene		ND		12	79
3-Nitroaniline		ND		12	200
N-Nitrosodimethylamine		ND		12	39
Benzyl alcohol		ND		12	79
1,1'-Biphenyl		24	J	12	39
2,3,4,6-Tetrachlorophenol		ND		12	39
Benzophenone		ND		12	39
Benzoic acid		ND		18	200
1,2,4,5-Tetrachlorobenzene		ND		12	39

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	89		30 - 130
2-Fluorophenol	59		30 - 130
Nitrobenzene-d5	70		30 - 130
Phenol-d5	56		30 - 130
2-Fluorobiphenyl	83		30 - 130
p-Terphenyl-d14	70		30 - 130

Client: Olin Corporation

Job Number: 480-30197-1

Client Sample ID: **OC-SB-520-0.0/1.0-XXX**

Lab Sample ID: 480-30197-4

Client Matrix: Solid

% Moisture: 16.3

Date Sampled: 12/13/2012 0810

Date Received: 12/14/2012 1830

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

Analysis Method:	8270D	Analysis Batch:	480-96803	Instrument ID:	HP5973X
Prep Method:	3546	Prep Batch:	480-96302	Lab File ID:	X3195.D
Dilution:	1.0			Initial Weight/Volume:	000030.4 g
Analysis Date:	12/20/2012 1217			Final Weight/Volume:	1 mL
Prep Date:	12/18/2012 0812			Injection Volume:	1 uL

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

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	4.18	3900	T J
57-10-3	n-Hexadecanoic acid	13.77	340	T J N
7796-19-2	2-Heptacosanone	16.75	340	T J N
192-97-2	Benzo[e]pyrene	16.91	350	T J N
26603-23-6	p,p'-Dioctyldiphenylamine	16.99	1500	T J N
7225-64-1	Heptadecane, 9-octyl-	17.28	710	T J N
	Unknown	17.44	350	T J
14021-23-9	D-Friedoolean-14-ene, 3-methoxy-, (3.bet	18.14	290	T J N
	Unknown	18.25	740	T J
	Unknown	18.48	770	T J

Client: Olin Corporation

Job Number: 480-30197-1

Client Sample ID: **OC-SB-520-8.0/10-XXX**

Lab Sample ID: 480-30197-5

Client Matrix: Solid

% Moisture: 6.1

Date Sampled: 12/13/2012 0840

Date Received: 12/14/2012 1830

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

Analysis Method:	8270D	Analysis Batch:	480-96803	Instrument ID:	HP5973X
Prep Method:	3546	Prep Batch:	480-96302	Lab File ID:	X3196.D
Dilution:	1.0			Initial Weight/Volume:	000030.4 g
Analysis Date:	12/20/2012 1243			Final Weight/Volume:	1 mL
Prep Date:	12/18/2012 0812			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Bis(2-ethylhexyl) phthalate		ND		70	180
2,4,5-Trichlorophenol		ND		12	35
Aniline		ND		11	35
Hexachloroethane		ND		11	35
Dimethyl phthalate		ND		11	35
2,4-Dimethylphenol		ND	*	11	35
Isophorone		ND		11	35
Fluorene		ND		11	35
Dibenzofuran		ND		11	35
Acenaphthylene		ND		11	35
2,4-Dichlorophenol		ND		11	35
Benzo[g,h,i]perylene		ND		11	35
Hexachlorobenzene		ND		11	35
Di-n-octyl phthalate		ND		11	35
Hexachlorobutadiene		ND		11	35
Phenanthrene		ND		11	35
2-Nitrophenol		ND	*	14	35
Benzo[k]fluoranthene		ND		18	35
2,4-Dinitrophenol		ND	*	28	35
Anthracene		ND		11	35
2-Methylnaphthalene		ND		11	35
Di-n-butyl phthalate		ND		53	180
1,2,4-Trichlorobenzene		ND		11	35
Pyrene		ND		11	35
2,4-Dinitrotoluene		ND		11	35
Dibenz(a,h)anthracene		ND		11	35
1,3-Dichlorobenzene		ND		11	35
Nitrobenzene		ND		11	35
Naphthalene		ND		11	35
2,4,6-Trichlorophenol		ND		15	35
Pentachlorophenol		ND		11	35
Fluoranthene		ND		11	35
3,3'-Dichlorobenzidine		ND		13	70
4-Bromophenyl phenyl ether		ND		11	35
Diethyl phthalate		ND		12	35
2-Methylphenol		ND		11	35
1,2-Dichlorobenzene		ND		11	35
2,2'-oxybis[1-chloropropane]		ND		11	35
Acetophenone		ND		11	35
Bis(2-chloroethyl)ether		ND		11	35
Benzo[a]anthracene		ND		11	35
Indeno[1,2,3-cd]pyrene		ND		11	35
Butyl benzyl phthalate		ND		11	35
Chrysene		ND		11	35
Acenaphthene		ND		11	35
Benzo[b]fluoranthene		ND		11	35

Client: Olin Corporation

Job Number: 480-30197-1

Client Sample ID: **OC-SB-520-8.0/10-XXX**

Lab Sample ID: 480-30197-5

Client Matrix: Solid

% Moisture: 6.1

Date Sampled: 12/13/2012 0840

Date Received: 12/14/2012 1830

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

Analysis Method:	8270D	Analysis Batch:	480-96803	Instrument ID:	HP5973X
Prep Method:	3546	Prep Batch:	480-96302	Lab File ID:	X3196.D
Dilution:	1.0			Initial Weight/Volume:	000030.4 g
Analysis Date:	12/20/2012 1243			Final Weight/Volume:	1 mL
Prep Date:	12/18/2012 0812			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4-Nitrophenol		ND	*	15	180
4-Chloroaniline		ND	*	32	70
2-Chlorophenol		ND		11	35
2,6-Dinitrotoluene		ND	*	29	35
Phenol		ND		11	35
3 & 4 Methylphenol		ND		11	35
1,4-Dichlorobenzene		ND		11	35
Bis(2-chloroethoxy)methane		ND		11	35
2-Chloronaphthalene		ND		11	35
N-Nitrosodi-n-propylamine		ND		11	35
4-Chlorophenyl phenyl ether		ND		11	35
4-Chloro-3-methylphenol		ND		11	70
Benzo[a]pyrene		ND		11	35
4-Methylphenol		ND		11	35
4-Nitroaniline		ND		29	180
2-Nitroaniline		ND		44	180
Caprolactam		ND		11	35
Carbazole		ND		11	35
4,6-Dinitro-2-methylphenol		ND		34	180
1-Methylnaphthalene		ND		11	35
N-Nitrosodiphenylamine		31	J	11	35
Atrazine		ND		11	35
Phenyl ether		43		11	35
Benzaldehyde		ND		11	35
Azobenzene		ND		11	35
Hexachlorocyclopentadiene		ND		11	70
3-Nitroaniline		ND		11	180
N-Nitrosodimethylamine		ND		11	35
Benzyl alcohol		ND		11	70
1,1'-Biphenyl		ND		11	35
2,3,4,6-Tetrachlorophenol		ND		11	35
Benzophenone		ND		11	35
Benzoic acid		ND		16	180
1,2,4,5-Tetrachlorobenzene		ND		11	35

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	113		30 - 130
2-Fluorophenol	67		30 - 130
Nitrobenzene-d5	70		30 - 130
Phenol-d5	73		30 - 130
2-Fluorobiphenyl	84		30 - 130
p-Terphenyl-d14	93		30 - 130

Client: Olin Corporation

Job Number: 480-30197-1

Client Sample ID: **OC-SB-520-8.0/10-XXX**

Lab Sample ID: 480-30197-5

Client Matrix: Solid

% Moisture: 6.1

Date Sampled: 12/13/2012 0840

Date Received: 12/14/2012 1830

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

Analysis Method:	8270D	Analysis Batch:	480-96803	Instrument ID:	HP5973X
Prep Method:	3546	Prep Batch:	480-96302	Lab File ID:	X3196.D
Dilution:	1.0			Initial Weight/Volume:	000030.4 g
Analysis Date:	12/20/2012 1243			Final Weight/Volume:	1 mL
Prep Date:	12/18/2012 0812			Injection Volume:	1 uL

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

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	3.84	39	T J
	Unknown	4.20	4100	T J
	Unknown	4.22	40	T J
	Unknown	4.64	39	T J
	Unknown	13.77	33	T J
57684-12-5	3(4H)-Phenanthrenone, 4a,4b,5,6,7,8,8a,9	15.34	480	T J N
	Unknown	16.13	44	T J
	Unknown	16.40	32	T J
629-99-2	Pentacosane	16.67	58	T J N
	Unknown	16.97	54	T J

Client: Olin Corporation

Job Number: 480-30197-1

Client Sample ID: **OC-SB-520-18/20-XXX**

Lab Sample ID: 480-30197-6

Client Matrix: Solid

% Moisture: 7.4

Date Sampled: 12/13/2012 0850

Date Received: 12/14/2012 1830

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

Analysis Method:	8270D	Analysis Batch:	480-96803	Instrument ID:	HP5973X
Prep Method:	3546	Prep Batch:	480-96302	Lab File ID:	X3197.D
Dilution:	1.0			Initial Weight/Volume:	000030.5 g
Analysis Date:	12/20/2012 1308			Final Weight/Volume:	1 mL
Prep Date:	12/18/2012 0812			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Bis(2-ethylhexyl) phthalate		ND		71	180
2,4,5-Trichlorophenol		ND		12	35
Aniline		ND		11	35
Hexachloroethane		ND		11	35
Dimethyl phthalate		ND		11	35
2,4-Dimethylphenol		ND	*	11	35
Isophorone		ND		11	35
Fluorene		ND		11	35
Dibenzofuran		ND		11	35
Acenaphthylene		ND		11	35
2,4-Dichlorophenol		ND		11	35
Benzo[g,h,i]perylene		ND		11	35
Hexachlorobenzene		ND		11	35
Di-n-octyl phthalate		ND		11	35
Hexachlorobutadiene		ND		11	35
Phenanthrene		ND		11	35
2-Nitrophenol		ND	*	14	35
Benzo[k]fluoranthene		ND		18	35
2,4-Dinitrophenol		ND	*	29	35
Anthracene		ND		11	35
2-Methylnaphthalene		ND		11	35
Di-n-butyl phthalate		ND		53	180
1,2,4-Trichlorobenzene		ND		11	35
Pyrene		ND		11	35
2,4-Dinitrotoluene		ND		11	35
Dibenz(a,h)anthracene		ND		11	35
1,3-Dichlorobenzene		ND		11	35
Nitrobenzene		ND		11	35
Naphthalene		ND		11	35
2,4,6-Trichlorophenol		ND		15	35
Pentachlorophenol		ND		11	35
Fluoranthene		ND		11	35
3,3'-Dichlorobenzidine		ND		13	71
4-Bromophenyl phenyl ether		ND		11	35
Diethyl phthalate		ND		12	35
2-Methylphenol		ND		11	35
1,2-Dichlorobenzene		ND		11	35
2,2'-oxybis[1-chloropropane]		ND		11	35
Acetophenone		ND		11	35
Bis(2-chloroethyl)ether		ND		11	35
Benzo[a]anthracene		ND		11	35
Indeno[1,2,3-cd]pyrene		ND		11	35
Butyl benzyl phthalate		ND		11	35
Chrysene		ND		11	35
Acenaphthene		ND		11	35
Benzo[b]fluoranthene		ND		11	35

Client: Olin Corporation

Job Number: 480-30197-1

Client Sample ID: **OC-SB-520-18/20-XXX**

Lab Sample ID: 480-30197-6

Client Matrix: Solid

% Moisture: 7.4

Date Sampled: 12/13/2012 0850

Date Received: 12/14/2012 1830

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

Analysis Method:	8270D	Analysis Batch:	480-96803	Instrument ID:	HP5973X
Prep Method:	3546	Prep Batch:	480-96302	Lab File ID:	X3197.D
Dilution:	1.0			Initial Weight/Volume:	000030.5 g
Analysis Date:	12/20/2012 1308			Final Weight/Volume:	1 mL
Prep Date:	12/18/2012 0812			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4-Nitrophenol		ND	*	15	180
4-Chloroaniline		ND	*	32	71
2-Chlorophenol		ND		11	35
2,6-Dinitrotoluene		ND	*	30	35
Phenol		ND		11	35
3 & 4 Methylphenol		ND		11	35
1,4-Dichlorobenzene		ND		11	35
Bis(2-chloroethoxy)methane		ND		11	35
2-Chloronaphthalene		ND		11	35
N-Nitrosodi-n-propylamine		ND		11	35
4-Chlorophenyl phenyl ether		ND		11	35
4-Chloro-3-methylphenol		ND		11	71
Benzo[a]pyrene		ND		11	35
4-Methylphenol		ND		11	35
4-Nitroaniline		ND		30	180
2-Nitroaniline		ND		45	180
Caprolactam		ND		11	35
Carbazole		ND		11	35
4,6-Dinitro-2-methylphenol		ND		34	180
1-Methylnaphthalene		ND		11	35
N-Nitrosodiphenylamine		26	J	11	35
Atrazine		ND		11	35
Phenyl ether		ND		11	35
Benzaldehyde		ND		11	35
Azobenzene		ND		11	35
Hexachlorocyclopentadiene		ND		11	71
3-Nitroaniline		ND		11	180
N-Nitrosodimethylamine		ND		11	35
Benzyl alcohol		ND		11	71
1,1'-Biphenyl		ND		11	35
2,3,4,6-Tetrachlorophenol		ND		11	35
Benzophenone		ND		11	35
Benzoic acid		ND		16	180
1,2,4,5-Tetrachlorobenzene		ND		11	35

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	95		30 - 130
2-Fluorophenol	76		30 - 130
Nitrobenzene-d5	91		30 - 130
Phenol-d5	80		30 - 130
2-Fluorobiphenyl	90		30 - 130
p-Terphenyl-d14	87		30 - 130

Client: Olin Corporation

Job Number: 480-30197-1

Client Sample ID: **OC-SB-520-18/20-XXX**

Lab Sample ID: 480-30197-6

Client Matrix: Solid

% Moisture: 7.4

Date Sampled: 12/13/2012 0850

Date Received: 12/14/2012 1830

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

Analysis Method:	8270D	Analysis Batch:	480-96803	Instrument ID:	HP5973X
Prep Method:	3546	Prep Batch:	480-96302	Lab File ID:	X3197.D
Dilution:	1.0			Initial Weight/Volume:	000030.5 g
Analysis Date:	12/20/2012 1308			Final Weight/Volume:	1 mL
Prep Date:	12/18/2012 0812			Injection Volume:	1 uL

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

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	3.85	49	T J
	Unknown	4.21	4100	T J
	Unknown	4.23	52	T J
95-47-6	Benzene, 1,2-dimethyl-	4.64	33	T J N
	Unknown	6.33	24	T J
122-39-4	Diphenylamine	12.13	26	J
629-94-7	Heneicosane	15.59	29	T J N
	Unknown	16.13	27	T J
	Unknown	16.40	34	T J
	Unknown	16.97	26	T J

Client: Olin Corporation

Job Number: 480-30197-1

Client Sample ID: **OC-SB-522-0.0/1.0-XXX**

Lab Sample ID: 480-30197-7

Client Matrix: Solid

% Moisture: 19.2

Date Sampled: 12/13/2012 0920

Date Received: 12/14/2012 1830

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

Analysis Method:	8270D	Analysis Batch:	480-96803	Instrument ID:	HP5973X
Prep Method:	3546	Prep Batch:	480-96302	Lab File ID:	X3198.D
Dilution:	1.0			Initial Weight/Volume:	000030.6 g
Analysis Date:	12/20/2012 1334			Final Weight/Volume:	1 mL
Prep Date:	12/18/2012 0812			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Bis(2-ethylhexyl) phthalate		150	J	81	200
2,4,5-Trichlorophenol		ND		13	40
Aniline		ND		12	40
Hexachloroethane		ND		12	40
Dimethyl phthalate		ND		12	40
2,4-Dimethylphenol		ND	*	12	40
Isophorone		ND		12	40
Fluorene		ND		12	40
Dibenzofuran		ND		12	40
Acenaphthylene		ND		12	40
2,4-Dichlorophenol		ND		12	40
Benzo[g,h,i]perylene		34	J	12	40
Hexachlorobenzene		ND		12	40
Di-n-octyl phthalate		ND		12	40
Hexachlorobutadiene		ND		12	40
Phenanthrene		90		12	40
2-Nitrophenol		ND	*	16	40
Benzo[k]fluoranthene		56		21	40
2,4-Dinitrophenol		ND	*	33	40
Anthracene		88		12	40
2-Methylnaphthalene		ND		12	40
Di-n-butyl phthalate		ND		61	200
1,2,4-Trichlorobenzene		ND		12	40
Pyrene		130		12	40
2,4-Dinitrotoluene		ND		12	40
Dibenz(a,h)anthracene		ND		12	40
1,3-Dichlorobenzene		ND		12	40
Nitrobenzene		ND		12	40
Naphthalene		ND		12	40
2,4,6-Trichlorophenol		ND		17	40
Pentachlorophenol		ND		12	40
Fluoranthene		180		12	40
3,3'-Dichlorobenzidine		ND		15	81
4-Bromophenyl phenyl ether		ND		12	40
Diethyl phthalate		ND		13	40
2-Methylphenol		ND		12	40
1,2-Dichlorobenzene		ND		12	40
2,2'-oxybis[1-chloropropane]		ND		12	40
Acetophenone		13	J	12	40
Bis(2-chloroethyl)ether		ND		12	40
Benzo[a]anthracene		75		12	40
Indeno[1,2,3-cd]pyrene		34	J	12	40
Butyl benzyl phthalate		ND		12	40
Chrysene		97		12	40
Acenaphthene		ND		12	40
Benzo[b]fluoranthene		140		12	40

Client: Olin Corporation

Job Number: 480-30197-1

Client Sample ID: **OC-SB-522-0.0/1.0-XXX**

Lab Sample ID: 480-30197-7

Client Matrix: Solid

% Moisture: 19.2

Date Sampled: 12/13/2012 0920

Date Received: 12/14/2012 1830

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

Analysis Method:	8270D	Analysis Batch:	480-96803	Instrument ID:	HP5973X
Prep Method:	3546	Prep Batch:	480-96302	Lab File ID:	X3198.D
Dilution:	1.0			Initial Weight/Volume:	000030.6 g
Analysis Date:	12/20/2012 1334			Final Weight/Volume:	1 mL
Prep Date:	12/18/2012 0812			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4-Nitrophenol		ND	*	17	200
4-Chloroaniline		ND	*	36	81
2-Chlorophenol		ND		12	40
2,6-Dinitrotoluene		ND	*	34	40
Phenol		ND		12	40
3 & 4 Methylphenol		ND		12	40
1,4-Dichlorobenzene		ND		12	40
Bis(2-chloroethoxy)methane		ND		12	40
2-Chloronaphthalene		ND		12	40
N-Nitrosodi-n-propylamine		ND		12	40
4-Chlorophenyl phenyl ether		ND		12	40
4-Chloro-3-methylphenol		ND		12	81
Benzo[a]pyrene		82		12	40
4-Methylphenol		ND		12	40
4-Nitroaniline		ND		34	200
2-Nitroaniline		ND		51	200
Caprolactam		ND		12	40
Carbazole		ND		12	40
4,6-Dinitro-2-methylphenol		ND		39	200
1-Methylnaphthalene		ND		12	40
N-Nitrosodiphenylamine		20	J	12	40
Atrazine		ND		12	40
Phenyl ether		ND		12	40
Benzaldehyde		120		12	40
Azobenzene		ND		12	40
Hexachlorocyclopentadiene		ND		12	81
3-Nitroaniline		ND		12	200
N-Nitrosodimethylamine		ND		12	40
Benzyl alcohol		ND		12	81
1,1'-Biphenyl		ND		12	40
2,3,4,6-Tetrachlorophenol		ND		12	40
Benzophenone		ND		12	40
Benzoic acid		ND		18	200
1,2,4,5-Tetrachlorobenzene		ND		12	40

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	94		30 - 130
2-Fluorophenol	71		30 - 130
Nitrobenzene-d5	70		30 - 130
Phenol-d5	66		30 - 130
2-Fluorobiphenyl	87		30 - 130
p-Terphenyl-d14	71		30 - 130

Client: Olin Corporation

Job Number: 480-30197-1

Client Sample ID: **OC-SB-522-0.0/1.0-XXX**

Lab Sample ID: 480-30197-7

Client Matrix: Solid

% Moisture: 19.2

Date Sampled: 12/13/2012 0920

Date Received: 12/14/2012 1830

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

Analysis Method:	8270D	Analysis Batch:	480-96803	Instrument ID:	HP5973X
Prep Method:	3546	Prep Batch:	480-96302	Lab File ID:	X3198.D
Dilution:	1.0			Initial Weight/Volume:	000030.6 g
Analysis Date:	12/20/2012 1334			Final Weight/Volume:	1 mL
Prep Date:	12/18/2012 0812			Injection Volume:	1 uL

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

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	4.19	4100	T J
	Unknown	15.04	110	T J
629-94-7	Heneicosane	15.59	97	T J N
6561-44-0	Octadecane, 3-methyl-	16.13	290	T J N
630-1-3	Hexacosane	17.28	140	T J N
638-66-4	Octadecanal	17.83	250	T J N
	Unknown	18.48	700	T J
	Unknown	18.57	920	T J
	Unknown	18.61	290	T J
22611-26-3	D:C-Friedoolean-8-en-3-one	18.80	3200	T J N

Client: Olin Corporation

Job Number: 480-30197-1

Client Sample ID: **OC-SB-522-8.0/10-XXX**

Lab Sample ID: 480-30197-8

Client Matrix: Solid

% Moisture: 18.1

Date Sampled: 12/13/2012 0940

Date Received: 12/14/2012 1830

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

Analysis Method:	8270D	Analysis Batch:	480-97046	Instrument ID:	HP5973X
Prep Method:	3546	Prep Batch:	480-96302	Lab File ID:	X3223.D
Dilution:	100			Initial Weight/Volume:	000030.1 g
Analysis Date:	12/21/2012 1038			Final Weight/Volume:	1 mL
Prep Date:	12/18/2012 0812			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Bis(2-ethylhexyl) phthalate		29000		8200	20000
2,4,5-Trichlorophenol		ND		1300	4100
Aniline		ND		1200	4100
Hexachloroethane		ND		1200	4100
Dimethyl phthalate		ND		1200	4100
2,4-Dimethylphenol		ND	*	1200	4100
Isophorone		ND		1200	4100
Fluorene		ND		1200	4100
Dibenzofuran		ND		1200	4100
Acenaphthylene		ND		1200	4100
2,4-Dichlorophenol		ND		1200	4100
Benzo[g,h,i]perylene		ND		1200	4100
Hexachlorobenzene		ND		1200	4100
Di-n-octyl phthalate		ND		1200	4100
Hexachlorobutadiene		ND		1200	4100
Phenanthrene		ND		1200	4100
2-Nitrophenol		ND	*	1600	4100
Benzo[k]fluoranthene		ND		2100	4100
2,4-Dinitrophenol		ND	*	3300	4100
Anthracene		ND		1200	4100
2-Methylnaphthalene		ND		1200	4100
Di-n-butyl phthalate		ND		6100	20000
1,2,4-Trichlorobenzene		ND		1200	4100
Pyrene		ND		1200	4100
2,4-Dinitrotoluene		ND		1200	4100
Dibenz(a,h)anthracene		ND		1200	4100
1,3-Dichlorobenzene		ND		1200	4100
Nitrobenzene		ND		1200	4100
Naphthalene		ND		1200	4100
2,4,6-Trichlorophenol		ND		1700	4100
Pentachlorophenol		ND		1200	4100
Fluoranthene		ND		1200	4100
3,3'-Dichlorobenzidine		ND		1500	8100
4-Bromophenyl phenyl ether		ND		1200	4100
Diethyl phthalate		ND		1300	4100
2-Methylphenol		ND		1200	4100
1,2-Dichlorobenzene		ND		1200	4100
2,2'-oxybis[1-chloropropane]		ND		1200	4100
Acetophenone		ND		1200	4100
Bis(2-chloroethyl)ether		ND		1200	4100
Benzo[a]anthracene		ND		1200	4100
Indeno[1,2,3-cd]pyrene		ND		1200	4100
Butyl benzyl phthalate		ND		1200	4100
Chrysene		ND		1200	4100
Acenaphthene		ND		1200	4100
Benzo[b]fluoranthene		ND		1200	4100

Client: Olin Corporation

Job Number: 480-30197-1

Client Sample ID: **OC-SB-522-8.0/10-XXX**

Lab Sample ID: 480-30197-8

Client Matrix: Solid

% Moisture: 18.1

Date Sampled: 12/13/2012 0940

Date Received: 12/14/2012 1830

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

Analysis Method:	8270D	Analysis Batch:	480-97046	Instrument ID:	HP5973X
Prep Method:	3546	Prep Batch:	480-96302	Lab File ID:	X3223.D
Dilution:	100			Initial Weight/Volume:	000030.1 g
Analysis Date:	12/21/2012 1038			Final Weight/Volume:	1 mL
Prep Date:	12/18/2012 0812			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4-Nitrophenol		ND	*	1700	20000
4-Chloroaniline		ND	*	3700	8100
2-Chlorophenol		ND		1200	4100
2,6-Dinitrotoluene		ND	*	3400	4100
Phenol		ND		1200	4100
3 & 4 Methylphenol		ND		1200	4100
1,4-Dichlorobenzene		ND		1200	4100
Bis(2-chloroethoxy)methane		ND		1200	4100
2-Chloronaphthalene		ND		1200	4100
N-Nitrosodi-n-propylamine		ND		1200	4100
4-Chlorophenyl phenyl ether		ND		1200	4100
4-Chloro-3-methylphenol		ND		1200	8100
Benzo[a]pyrene		ND		1200	4100
4-Methylphenol		ND		1200	4100
4-Nitroaniline		ND		3400	20000
2-Nitroaniline		ND		5100	20000
Caprolactam		ND		1200	4100
Carbazole		ND		1200	4100
4,6-Dinitro-2-methylphenol		ND		3900	20000
1-Methylnaphthalene		ND		1200	4100
N-Nitrosodiphenylamine		ND		1200	4100
Atrazine		ND		1200	4100
Phenyl ether		ND		1200	4100
Benzaldehyde		ND		1200	4100
Azobenzene		ND		1200	4100
Hexachlorocyclopentadiene		ND		1200	8100
3-Nitroaniline		ND		1200	20000
N-Nitrosodimethylamine		ND		1200	4100
Benzyl alcohol		ND		1200	8100
1,1'-Biphenyl		ND		1200	4100
2,3,4,6-Tetrachlorophenol		ND		1200	4100
Benzophenone		ND		1200	4100
Benzoic acid		ND		1800	20000
1,2,4,5-Tetrachlorobenzene		ND		1200	4100

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: 480-30197-1

Client Sample ID: **OC-SB-522-8.0/10-XXX**

Lab Sample ID: 480-30197-8

Client Matrix: Solid

% Moisture: 18.1

Date Sampled: 12/13/2012 0940

Date Received: 12/14/2012 1830

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

Analysis Method:	8270D	Analysis Batch:	480-97046	Instrument ID:	HP5973X
Prep Method:	3546	Prep Batch:	480-96302	Lab File ID:	X3223.D
Dilution:	100			Initial Weight/Volume:	000030.1 g
Analysis Date:	12/21/2012 1038			Final Weight/Volume:	1 mL
Prep Date:	12/18/2012 0812			Injection Volume:	1 uL

Tentatively Identified Compounds **Number TIC's Found:** **4**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
75-9-2	Methylene Chloride	3.38	390000	T J N
	Unknown	4.19	5300	T J
	Unknown	15.06	4100	T J
	Unknown	17.00	15000	T J

Client: Olin Corporation

Job Number: 480-30197-1

Client Sample ID: **OC-SB-522-13/15-XXX**

Lab Sample ID: 480-30197-9

Client Matrix: Solid

% Moisture: 18.2

Date Sampled: 12/13/2012 0950

Date Received: 12/14/2012 1830

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

Analysis Method:	8270D	Analysis Batch:	480-96803	Instrument ID:	HP5973X
Prep Method:	3546	Prep Batch:	480-96302	Lab File ID:	X3200.D
Dilution:	1.0			Initial Weight/Volume:	000030.7 g
Analysis Date:	12/20/2012 1426			Final Weight/Volume:	1 mL
Prep Date:	12/18/2012 0812			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Bis(2-ethylhexyl) phthalate		ND		80	200
2,4,5-Trichlorophenol		ND		13	40
Aniline		ND		12	40
Hexachloroethane		ND		12	40
Dimethyl phthalate		ND		12	40
2,4-Dimethylphenol		ND	*	12	40
Isophorone		ND		12	40
Fluorene		ND		12	40
Dibenzofuran		ND		12	40
Acenaphthylene		ND		12	40
2,4-Dichlorophenol		ND		12	40
Benzo[g,h,i]perylene		ND		12	40
Hexachlorobenzene		ND		12	40
Di-n-octyl phthalate		ND		12	40
Hexachlorobutadiene		ND		12	40
Phenanthrene		ND		12	40
2-Nitrophenol		ND	*	16	40
Benzo[k]fluoranthene		ND		20	40
2,4-Dinitrophenol		ND	*	32	40
Anthracene		ND		12	40
2-Methylnaphthalene		ND		12	40
Di-n-butyl phthalate		ND		60	200
1,2,4-Trichlorobenzene		ND		12	40
Pyrene		ND		12	40
2,4-Dinitrotoluene		ND		12	40
Dibenz(a,h)anthracene		ND		12	40
1,3-Dichlorobenzene		ND		12	40
Nitrobenzene		ND		12	40
Naphthalene		ND		12	40
2,4,6-Trichlorophenol		ND		17	40
Pentachlorophenol		ND		12	40
Fluoranthene		ND		12	40
3,3'-Dichlorobenzidine		ND		14	80
4-Bromophenyl phenyl ether		ND		12	40
Diethyl phthalate		ND		13	40
2-Methylphenol		ND		12	40
1,2-Dichlorobenzene		ND		12	40
2,2'-oxybis[1-chloropropane]		ND		12	40
Acetophenone		ND		12	40
Bis(2-chloroethyl)ether		ND		12	40
Benzo[a]anthracene		ND		12	40
Indeno[1,2,3-cd]pyrene		ND		12	40
Butyl benzyl phthalate		ND		12	40
Chrysene		ND		12	40
Acenaphthene		ND		12	40
Benzo[b]fluoranthene		ND		12	40

Client: Olin Corporation

Job Number: 480-30197-1

Client Sample ID: **OC-SB-522-13/15-XXX**

Lab Sample ID: 480-30197-9

Client Matrix: Solid

% Moisture: 18.2

Date Sampled: 12/13/2012 0950

Date Received: 12/14/2012 1830

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

Analysis Method:	8270D	Analysis Batch:	480-96803	Instrument ID:	HP5973X
Prep Method:	3546	Prep Batch:	480-96302	Lab File ID:	X3200.D
Dilution:	1.0			Initial Weight/Volume:	000030.7 g
Analysis Date:	12/20/2012 1426			Final Weight/Volume:	1 mL
Prep Date:	12/18/2012 0812			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4-Nitrophenol		ND	*	17	200
4-Chloroaniline		ND	*	36	80
2-Chlorophenol		ND		12	40
2,6-Dinitrotoluene		ND	*	33	40
Phenol		ND		12	40
3 & 4 Methylphenol		ND		12	40
1,4-Dichlorobenzene		ND		12	40
Bis(2-chloroethoxy)methane		ND		12	40
2-Chloronaphthalene		ND		12	40
N-Nitrosodi-n-propylamine		ND		12	40
4-Chlorophenyl phenyl ether		ND		12	40
4-Chloro-3-methylphenol		ND		12	80
Benzo[a]pyrene		ND		12	40
4-Methylphenol		ND		12	40
4-Nitroaniline		ND		33	200
2-Nitroaniline		ND		50	200
Caprolactam		ND		12	40
Carbazole		ND		12	40
4,6-Dinitro-2-methylphenol		ND		38	200
1-Methylnaphthalene		ND		12	40
N-Nitrosodiphenylamine		ND		12	40
Atrazine		ND		12	40
Phenyl ether		ND		12	40
Benzaldehyde		ND		12	40
Azobenzene		ND		12	40
Hexachlorocyclopentadiene		ND		12	80
3-Nitroaniline		ND		12	200
N-Nitrosodimethylamine		ND		12	40
Benzyl alcohol		ND		12	80
1,1'-Biphenyl		ND		12	40
2,3,4,6-Tetrachlorophenol		ND		12	40
Benzophenone		ND		12	40
Benzoic acid		ND		18	200
1,2,4,5-Tetrachlorobenzene		ND		12	40

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	43		30 - 130
2-Fluorophenol	81		30 - 130
Nitrobenzene-d5	80		30 - 130
Phenol-d5	66		30 - 130
2-Fluorobiphenyl	82		30 - 130
p-Terphenyl-d14	71		30 - 130

Client: Olin Corporation

Job Number: 480-30197-1

Client Sample ID: **OC-SB-522-13/15-XXX**

Lab Sample ID: 480-30197-9

Client Matrix: Solid

% Moisture: 18.2

Date Sampled: 12/13/2012 0950

Date Received: 12/14/2012 1830

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

Analysis Method:	8270D	Analysis Batch:	480-96803	Instrument ID:	HP5973X
Prep Method:	3546	Prep Batch:	480-96302	Lab File ID:	X3200.D
Dilution:	1.0			Initial Weight/Volume:	000030.7 g
Analysis Date:	12/20/2012 1426			Final Weight/Volume:	1 mL
Prep Date:	12/18/2012 0812			Injection Volume:	1 uL

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

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	3.83	38	T J
	Unknown	4.18	4200	T J
	Unknown	4.20	32	T J
2175-91-9	1,3-Cyclopentadiene, 5-(1-methylethylide	4.63	52	T J N
	Unknown	7.47	34	T J
	Unknown	15.87	27	T J
629-94-7	Heneicosane	16.40	30	T J N
593-45-3	Octadecane	16.68	26	T J N
	Unknown	16.97	43	T J
	Unknown	17.28	31	T J

Client: Olin Corporation

Job Number: 480-30197-1

Client Sample ID: **OC-SB-533-0.0/1.0-XXX**

Lab Sample ID: 480-30197-13

Client Matrix: Solid

% Moisture: 5.6

Date Sampled: 12/13/2012 1400

Date Received: 12/14/2012 1830

MA-EPH Massachusetts - Extractable Petroleum Hydrocarbons (GC)

Analysis Method:	MA-EPH	Analysis Batch:	480-97357	Instrument ID:	HP7890-20
Prep Method:	3546	Prep Batch:	480-96085	Initial Weight/Volume:	000010.4 g
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	12/26/2012 1803			Injection Volume:	1 uL
Prep Date:	12/19/2012 0806			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
2-Methylnaphthalene		ND		1.0	1.0
Acenaphthene		ND		1.0	1.0
Acenaphthylene		ND		1.0	1.0
Anthracene		ND		1.0	1.0
Benzo[a]anthracene		ND		1.0	1.0
Benzo[a]pyrene		ND		1.0	1.0
Benzo[b]fluoranthene		ND		1.0	1.0
Benzo[g,h,i]perylene		ND		1.0	1.0
Benzo[k]fluoranthene		ND		1.0	1.0
Chrysene		ND		1.0	1.0
Dibenz(a,h)anthracene		ND		1.0	1.0
Fluoranthene		ND		1.0	1.0
Fluorene		ND		1.0	1.0
Indeno[1,2,3-cd]pyrene		ND		1.0	1.0
Naphthalene		ND		1.0	1.0
Phenanthrene		ND		1.0	1.0
Pyrene		ND		1.0	1.0
C11-C22 Aromatics		ND		10	10
C19-C36 Aliphatics		ND		10	10
C9-C18 Aliphatics		ND		10	10

Surrogate	%Rec	Qualifier	Acceptance Limits
1-Chlorooctadecane	52		40 - 140
2-Bromonaphthalene	117		40 - 140
2-Fluorobiphenyl	119		40 - 140
o-Terphenyl	86		40 - 140

Client: Olin Corporation

Job Number: 480-30197-1

Client Sample ID: **OC-SB-533-0.0/1.0-XXX**

Lab Sample ID: 480-30197-13

Client Matrix: Solid

% Moisture: 5.6

Date Sampled: 12/13/2012 1400

Date Received: 12/14/2012 1830

MA-EPH Massachusetts - Extractable Petroleum Hydrocarbons (GC)

Analysis Method:	MA-EPH	Analysis Batch:	480-97578	Instrument ID:	HP7890-20
	N/A	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	
Analysis Date:	12/27/2012 1459			Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
C11-C22 Aromatics (Adjusted)		ND		3.5	3.5

Client: Olin Corporation

Job Number: 480-30197-1

Client Sample ID: **OC-SB-533-6.0/8.0-XXX**

Lab Sample ID: 480-30197-14

Client Matrix: Solid

% Moisture: 4.6

Date Sampled: 12/13/2012 1420

Date Received: 12/14/2012 1830

MA-EPH Massachusetts - Extractable Petroleum Hydrocarbons (GC)

Analysis Method:	MA-EPH	Analysis Batch:	480-97357	Instrument ID:	HP7890-20
Prep Method:	3546	Prep Batch:	480-96085	Initial Weight/Volume:	000010.3 g
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	12/26/2012 1833			Injection Volume:	1 uL
Prep Date:	12/19/2012 0806			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
C11-C22 Aromatics		110		10	10
C19-C36 Aliphatics		73		10	10
C9-C18 Aliphatics		ND		10	10

Surrogate	%Rec	Qualifier	Acceptance Limits
1-Chlorooctadecane	53		40 - 140
2-Bromonaphthalene	105		40 - 140
2-Fluorobiphenyl	106		40 - 140
o-Terphenyl	75		40 - 140

Client: Olin Corporation

Job Number: 480-30197-1

Client Sample ID: **OC-SB-533-6.0/8.0-XXX**

Lab Sample ID: 480-30197-14

Client Matrix: Solid

% Moisture: 4.6

Date Sampled: 12/13/2012 1420

Date Received: 12/14/2012 1830

MA-EPH Massachusetts - Extractable Petroleum Hydrocarbons (GC)

Analysis Method:	MA-EPH	Analysis Batch:	480-97578	Instrument ID:	HP7890-20
	N/A	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	
Analysis Date:	12/27/2012 1459			Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
C11-C22 Aromatics (Adjusted)		120		3.5	3.5

Client: Olin Corporation

Job Number: 480-30197-1

Client Sample ID: **OC-SB-533-13/15-XXX**

Lab Sample ID: 480-30197-15

Client Matrix: Solid

% Moisture: 16.7

Date Sampled: 12/13/2012 1430

Date Received: 12/14/2012 1830

MA-EPH Massachusetts - Extractable Petroleum Hydrocarbons (GC)

Analysis Method:	MA-EPH	Analysis Batch:	480-97357	Instrument ID:	HP7890-20
Prep Method:	3546	Prep Batch:	480-96085	Initial Weight/Volume:	000010.1 g
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	12/26/2012 1902			Injection Volume:	1 uL
Prep Date:	12/19/2012 0806			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
2-Methylnaphthalene		ND		1.2	1.2
Acenaphthene		ND		1.2	1.2
Acenaphthylene		ND		1.2	1.2
Anthracene		ND		1.2	1.2
Benzo[a]anthracene		ND		1.2	1.2
Benzo[a]pyrene		ND		1.2	1.2
Benzo[b]fluoranthene		ND		1.2	1.2
Benzo[g,h,i]perylene		ND		1.2	1.2
Benzo[k]fluoranthene		ND		1.2	1.2
Chrysene		ND		1.2	1.2
Dibenz(a,h)anthracene		ND		1.2	1.2
Fluoranthene		ND		1.2	1.2
Fluorene		ND		1.2	1.2
Indeno[1,2,3-cd]pyrene		ND		1.2	1.2
Naphthalene		ND		1.2	1.2
Phenanthrene		ND		1.2	1.2
Pyrene		ND		1.2	1.2
C11-C22 Aromatics		ND		12	12
C19-C36 Aliphatics		ND		12	12
C9-C18 Aliphatics		ND		12	12

Surrogate	%Rec	Qualifier	Acceptance Limits
1-Chlorooctadecane	58		40 - 140
2-Bromonaphthalene	110		40 - 140
2-Fluorobiphenyl	111		40 - 140
o-Terphenyl	85		40 - 140

Client: Olin Corporation

Job Number: 480-30197-1

Client Sample ID: **OC-SB-533-13/15-XXX**

Lab Sample ID: 480-30197-15

Client Matrix: Solid

% Moisture: 16.7

Date Sampled: 12/13/2012 1430

Date Received: 12/14/2012 1830

MA-EPH Massachusetts - Extractable Petroleum Hydrocarbons (GC)

Analysis Method:	MA-EPH	Analysis Batch:	480-97578	Instrument ID:	HP7890-20
	N/A	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	
Analysis Date:	12/27/2012 1459			Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
C11-C22 Aromatics (Adjusted)		ND		4.0	4.0

Client: Olin Corporation

Job Number: 480-30197-1

Client Sample ID: **OC-SB-532-0.0/1.0-XXX**

Lab Sample ID: 480-30197-16

Client Matrix: Solid

% Moisture: 6.3

Date Sampled: 12/13/2012 1440

Date Received: 12/14/2012 1830

MA-EPH Massachusetts - Extractable Petroleum Hydrocarbons (GC)

Analysis Method:	MA-EPH	Analysis Batch:	480-97357	Instrument ID:	HP7890-20
Prep Method:	3546	Prep Batch:	480-96085	Initial Weight/Volume:	000010.3 g
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	12/26/2012 1931			Injection Volume:	1 uL
Prep Date:	12/19/2012 0806			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
2-Methylnaphthalene		ND		1.0	1.0
Acenaphthene		ND		1.0	1.0
Acenaphthylene		ND		1.0	1.0
Anthracene		ND		1.0	1.0
Benzo[a]anthracene		ND		1.0	1.0
Benzo[a]pyrene		ND		1.0	1.0
Benzo[b]fluoranthene		ND		1.0	1.0
Benzo[g,h,i]perylene		ND		1.0	1.0
Benzo[k]fluoranthene		ND		1.0	1.0
Chrysene		ND		1.0	1.0
Dibenz(a,h)anthracene		ND		1.0	1.0
Fluoranthene		ND		1.0	1.0
Fluorene		ND		1.0	1.0
Indeno[1,2,3-cd]pyrene		ND		1.0	1.0
Naphthalene		ND		1.0	1.0
Phenanthrene		ND		1.0	1.0
Pyrene		ND		1.0	1.0
C11-C22 Aromatics		28		10	10
C19-C36 Aliphatics		14		10	10
C9-C18 Aliphatics		ND		10	10

Surrogate	%Rec	Qualifier	Acceptance Limits
1-Chlorooctadecane	53		40 - 140
2-Bromonaphthalene	113		40 - 140
2-Fluorobiphenyl	114		40 - 140
o-Terphenyl	81		40 - 140

Client: Olin Corporation

Job Number: 480-30197-1

Client Sample ID: **OC-SB-532-0.0/1.0-XXX**

Lab Sample ID: 480-30197-16

Client Matrix: Solid

% Moisture: 6.3

Date Sampled: 12/13/2012 1440

Date Received: 12/14/2012 1830

MA-EPH Massachusetts - Extractable Petroleum Hydrocarbons (GC)

Analysis Method:	MA-EPH	Analysis Batch:	480-97578	Instrument ID:	HP7890-20
	N/A	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	
Analysis Date:	12/27/2012 1459			Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
C11-C22 Aromatics (Adjusted)		28		3.5	3.5

Client: Olin Corporation

Job Number: 480-30197-1

Client Sample ID: **OC-SB-532-6.0/8.0-XXX**

Lab Sample ID: 480-30197-17

Client Matrix: Solid

% Moisture: 14.9

Date Sampled: 12/13/2012 1445

Date Received: 12/14/2012 1830

MA-EPH Massachusetts - Extractable Petroleum Hydrocarbons (GC)

Analysis Method:	MA-EPH	Analysis Batch:	480-97357	Instrument ID:	HP7890-20
Prep Method:	3546	Prep Batch:	480-96085	Initial Weight/Volume:	000010.7 g
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	12/26/2012 2001			Injection Volume:	1 uL
Prep Date:	12/19/2012 0806			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
2-Methylnaphthalene		ND		1.1	1.1
Acenaphthene		ND		1.1	1.1
Acenaphthylene		ND		1.1	1.1
Anthracene		ND		1.1	1.1
Benzo[a]anthracene		ND		1.1	1.1
Benzo[a]pyrene		ND		1.1	1.1
Benzo[b]fluoranthene		ND		1.1	1.1
Benzo[g,h,i]perylene		ND		1.1	1.1
Benzo[k]fluoranthene		ND		1.1	1.1
Chrysene		ND		1.1	1.1
Dibenz(a,h)anthracene		ND		1.1	1.1
Fluoranthene		ND		1.1	1.1
Fluorene		ND		1.1	1.1
Indeno[1,2,3-cd]pyrene		ND		1.1	1.1
Naphthalene		ND		1.1	1.1
Phenanthrene		ND		1.1	1.1
Pyrene		ND		1.1	1.1
C11-C22 Aromatics		ND		11	11
C19-C36 Aliphatics		ND		11	11
C9-C18 Aliphatics		ND		11	11

Surrogate	%Rec	Qualifier	Acceptance Limits
1-Chlorooctadecane	65		40 - 140
2-Bromonaphthalene	115		40 - 140
2-Fluorobiphenyl	116		40 - 140
o-Terphenyl	92		40 - 140

Client: Olin Corporation

Job Number: 480-30197-1

Client Sample ID: **OC-SB-532-6.0/8.0-XXX**

Lab Sample ID: 480-30197-17

Client Matrix: Solid

% Moisture: 14.9

Date Sampled: 12/13/2012 1445

Date Received: 12/14/2012 1830

MA-EPH Massachusetts - Extractable Petroleum Hydrocarbons (GC)

Analysis Method:	MA-EPH	Analysis Batch:	480-97578	Instrument ID:	HP7890-20
	N/A	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	
Analysis Date:	12/27/2012 1459			Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
C11-C22 Aromatics (Adjusted)		ND		3.9	3.9

Client: Olin Corporation

Job Number: 480-30197-1

Client Sample ID: **OC-SB-532-11/13-XXX**

Lab Sample ID: 480-30197-18

Client Matrix: Solid

% Moisture: 25.0

Date Sampled: 12/13/2012 1450

Date Received: 12/14/2012 1830

MA-EPH Massachusetts - Extractable Petroleum Hydrocarbons (GC)

Analysis Method:	MA-EPH	Analysis Batch:	480-97357	Instrument ID:	HP7890-20
Prep Method:	3546	Prep Batch:	480-96085	Initial Weight/Volume:	000010.4 g
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	12/26/2012 2031			Injection Volume:	1 uL
Prep Date:	12/19/2012 0806			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
2-Methylnaphthalene		ND		1.3	1.3
Acenaphthene		ND		1.3	1.3
Acenaphthylene		ND		1.3	1.3
Anthracene		ND		1.3	1.3
Benzo[a]anthracene		ND		1.3	1.3
Benzo[a]pyrene		ND		1.3	1.3
Benzo[b]fluoranthene		ND		1.3	1.3
Benzo[g,h,i]perylene		ND		1.3	1.3
Benzo[k]fluoranthene		ND		1.3	1.3
Chrysene		ND		1.3	1.3
Dibenz(a,h)anthracene		ND		1.3	1.3
Fluoranthene		ND		1.3	1.3
Fluorene		ND		1.3	1.3
Indeno[1,2,3-cd]pyrene		ND		1.3	1.3
Naphthalene		ND		1.3	1.3
Phenanthrene		ND		1.3	1.3
Pyrene		ND		1.3	1.3
C11-C22 Aromatics		ND		13	13
C19-C36 Aliphatics		ND		13	13
C9-C18 Aliphatics		ND		13	13

Surrogate	%Rec	Qualifier	Acceptance Limits
1-Chlorooctadecane	59		40 - 140
2-Bromonaphthalene	116		40 - 140
2-Fluorobiphenyl	117		40 - 140
o-Terphenyl	89		40 - 140

Client: Olin Corporation

Job Number: 480-30197-1

Client Sample ID: **OC-SB-532-11/13-XXX**

Lab Sample ID: 480-30197-18

Client Matrix: Solid

% Moisture: 25.0

Date Sampled: 12/13/2012 1450

Date Received: 12/14/2012 1830

MA-EPH Massachusetts - Extractable Petroleum Hydrocarbons (GC)

Analysis Method:	MA-EPH	Analysis Batch:	480-97578	Instrument ID:	HP7890-20
	N/A	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	
Analysis Date:	12/27/2012 1459			Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
C11-C22 Aromatics (Adjusted)		ND		4.4	4.4

Client: Olin Corporation

Job Number: 480-30197-1

Client Sample ID: **OC-SB-534-0.0/1.0-XXX**

Lab Sample ID: 480-30197-19

Client Matrix: Solid

% Moisture: 6.6

Date Sampled: 12/13/2012 1505

Date Received: 12/14/2012 1830

MA-EPH Massachusetts - Extractable Petroleum Hydrocarbons (GC)

Analysis Method:	MA-EPH	Analysis Batch:	480-97357	Instrument ID:	HP7890-20
Prep Method:	3546	Prep Batch:	480-96085	Initial Weight/Volume:	000010.1 g
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	12/26/2012 2100			Injection Volume:	1 uL
Prep Date:	12/19/2012 0806			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
2-Methylnaphthalene		ND		1.1	1.1
Acenaphthene		ND		1.1	1.1
Acenaphthylene		ND		1.1	1.1
Anthracene		ND		1.1	1.1
Benzo[a]anthracene		ND		1.1	1.1
Benzo[a]pyrene		ND		1.1	1.1
Benzo[b]fluoranthene		ND		1.1	1.1
Benzo[g,h,i]perylene		ND		1.1	1.1
Benzo[k]fluoranthene		ND		1.1	1.1
Chrysene		ND		1.1	1.1
Dibenz(a,h)anthracene		ND		1.1	1.1
Fluoranthene		ND		1.1	1.1
Fluorene		ND		1.1	1.1
Indeno[1,2,3-cd]pyrene		ND		1.1	1.1
Naphthalene		ND		1.1	1.1
Phenanthrene		ND		1.1	1.1
Pyrene		ND		1.1	1.1
C11-C22 Aromatics		31		11	11
C19-C36 Aliphatics		23		11	11
C9-C18 Aliphatics		ND		11	11

Surrogate	%Rec	Qualifier	Acceptance Limits
1-Chlorooctadecane	59		40 - 140
2-Bromonaphthalene	118		40 - 140
2-Fluorobiphenyl	119		40 - 140
o-Terphenyl	84		40 - 140

Client: Olin Corporation

Job Number: 480-30197-1

Client Sample ID: **OC-SB-534-0.0/1.0-XXX**

Lab Sample ID: 480-30197-19

Client Matrix: Solid

% Moisture: 6.6

Date Sampled: 12/13/2012 1505

Date Received: 12/14/2012 1830

MA-EPH Massachusetts - Extractable Petroleum Hydrocarbons (GC)

Analysis Method:	MA-EPH	Analysis Batch:	480-97578	Instrument ID:	HP7890-20
	N/A	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	
Analysis Date:	12/27/2012 1459			Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
C11-C22 Aromatics (Adjusted)		31		3.5	3.5

Client: Olin Corporation

Job Number: 480-30197-1

Client Sample ID: **OC-SB-534-7.0/9.0-XXX**

Lab Sample ID: 480-30197-20

Client Matrix: Solid

% Moisture: 7.8

Date Sampled: 12/13/2012 1510

Date Received: 12/14/2012 1830

MA-EPH Massachusetts - Extractable Petroleum Hydrocarbons (GC)

Analysis Method:	MA-EPH	Analysis Batch:	480-97357	Instrument ID:	HP7890-20
Prep Method:	3546	Prep Batch:	480-96085	Initial Weight/Volume:	000010.4 g
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	12/26/2012 2130			Injection Volume:	1 uL
Prep Date:	12/19/2012 0806			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
2-Methylnaphthalene		ND		1.0	1.0
Acenaphthene		ND		1.0	1.0
Acenaphthylene		ND		1.0	1.0
Anthracene		ND		1.0	1.0
Benzo[a]anthracene		ND		1.0	1.0
Benzo[a]pyrene		ND		1.0	1.0
Benzo[b]fluoranthene		ND		1.0	1.0
Benzo[g,h,i]perylene		ND		1.0	1.0
Benzo[k]fluoranthene		ND		1.0	1.0
Chrysene		ND		1.0	1.0
Dibenz(a,h)anthracene		ND		1.0	1.0
Fluoranthene		ND		1.0	1.0
Fluorene		ND		1.0	1.0
Indeno[1,2,3-cd]pyrene		ND		1.0	1.0
Naphthalene		ND		1.0	1.0
Phenanthrene		ND		1.0	1.0
Pyrene		ND		1.0	1.0
C11-C22 Aromatics		ND		10	10
C19-C36 Aliphatics		ND		10	10
C9-C18 Aliphatics		ND		10	10

Surrogate	%Rec	Qualifier	Acceptance Limits
1-Chlorooctadecane	60		40 - 140
2-Bromonaphthalene	119		40 - 140
2-Fluorobiphenyl	121		40 - 140
o-Terphenyl	87		40 - 140

Client: Olin Corporation

Job Number: 480-30197-1

Client Sample ID: **OC-SB-534-7.0/9.0-XXX**

Lab Sample ID: 480-30197-20

Client Matrix: Solid

% Moisture: 7.8

Date Sampled: 12/13/2012 1510

Date Received: 12/14/2012 1830

MA-EPH Massachusetts - Extractable Petroleum Hydrocarbons (GC)

Analysis Method:	MA-EPH	Analysis Batch:	480-97578	Instrument ID:	HP7890-20
	N/A	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	
Analysis Date:	12/27/2012 1459			Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
C11-C22 Aromatics (Adjusted)		ND		3.6	3.6

Client: Olin Corporation

Job Number: 480-30197-1

Client Sample ID: **OC-SB-509-1.0/3.0-XXX**

Lab Sample ID: 480-30197-1

Client Matrix: Solid

% Moisture: 20.4

Date Sampled: 12/13/2012 1335

Date Received: 12/14/2012 1830

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:	1.2540 g
Analysis Date:	01/04/2013 0241			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)		28		19	25

Client: Olin Corporation

Job Number: 480-30197-1

Client Sample ID: **OC-SB-510-0.0/1.0-XXX**

Lab Sample ID: 480-30197-2

Client Matrix: Solid

% Moisture: 7.9

Date Sampled: 12/13/2012 1255

Date Received: 12/14/2012 1830

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:	1.2549 g
Analysis Date:	01/04/2013 0254			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)		10		0.16	0.22

Client: Olin Corporation

Job Number: 480-30197-1

Client Sample ID: **OC-SB-510-7.0/9.0-XXX**

Lab Sample ID: 480-30197-3

Client Matrix: Solid

% Moisture: 14.1

Date Sampled: 12/13/2012 1300

Date Received: 12/14/2012 1830

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:	1.2561 g
Analysis Date:	01/04/2013 0307			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)		6.0		0.17	0.23

Client: Olin Corporation

Job Number: 480-30197-1

Client Sample ID: **OC-SB-522-0.0/1.0-XXX**

Lab Sample ID: 480-30197-7

Client Matrix: Solid

% Moisture: 19.2

Date Sampled: 12/13/2012 0920

Date Received: 12/14/2012 1830

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:	1.2537 g
Analysis Date:	01/04/2013 0319			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: 480-30197-1

Client Sample ID: **OC-SB-522-8.0/10-XXX**

Lab Sample ID: 480-30197-8

Client Matrix: Solid

% Moisture: 18.1

Date Sampled: 12/13/2012 0940

Date Received: 12/14/2012 1830

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:	1.2556 g
Analysis Date:	01/04/2013 0332			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)		1.6		0.18	0.24

Client: Olin Corporation

Job Number: 480-30197-1

Client Sample ID: **OC-SB-522-13/15-XXX**

Lab Sample ID: 480-30197-9

Client Matrix: Solid

% Moisture: 18.2

Date Sampled: 12/13/2012 0950

Date Received: 12/14/2012 1830

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:	1.2546 g
Analysis Date:	01/04/2013 0410			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)		0.20	J	0.18	0.24

Client: Olin Corporation

Job Number: 480-30197-1

Client Sample ID: **OC-SB-525-0.0/1.0-XXX**

Lab Sample ID: 480-30197-10

Client Matrix: Solid

% Moisture: 10.1

Date Sampled: 12/13/2012 1100

Date Received: 12/14/2012 1830

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 0423			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)		0.52		0.17	0.22

Client: Olin Corporation

Job Number: 480-30197-1

Client Sample ID: **OC-SB-525-3.0/5.0-XXX**

Lab Sample ID: 480-30197-11

Client Matrix: Solid

% Moisture: 16.2

Date Sampled: 12/13/2012 1120

Date Received: 12/14/2012 1830

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:	1.2568 g
Analysis Date:	01/04/2013 0435			Final Weight/Volume:	50 mL
Prep Date:	01/03/2013 0915			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Cr (VI)		ND		0.18	0.24

Client: Olin Corporation

Job Number: 480-30197-1

Client Sample ID: **OC-SB-525-18/20-XXX**

Lab Sample ID: 480-30197-12

Client Matrix: Solid

% Moisture: 8.1

Date Sampled: 12/13/2012 1145

Date Received: 12/14/2012 1830

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:	1.2532 g
Analysis Date:	01/04/2013 0448			Final Weight/Volume:	50 mL
Prep Date:	01/03/2013 0915			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Cr (VI)		9.7		0.16	0.22

General Chemistry

Client Sample ID: **OC-SB-509-1.0/3.0-XXX**

Lab Sample ID: 480-30197-1 Date Sampled: 12/13/2012 1335
Client Matrix: Solid Date Received: 12/14/2012 1830

Analyte	Result	Qual	Units	RL	RL	Dil	Method
pH-Soluble	6.85		SU	1.00	1.00	1.0	9045C
Analysis Batch: 360-97404	Analysis Date: 12/14/2012 0910						DryWt Corrected: N
Percent Moisture	20		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-96459	Analysis Date: 12/18/2012 1832						DryWt Corrected: N
Percent Solids	80		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-96459	Analysis Date: 12/18/2012 1832						DryWt Corrected: N
Oxidation Reduction Potential-Soluble	18		millivolts	0.010	0.010	1.0	SM 2580B
Analysis Batch: 360-97405	Analysis Date: 12/14/2012 0910						DryWt Corrected: N

General Chemistry

Client Sample ID: **OC-SB-510-0.0/1.0-XXX**

Lab Sample ID: 480-30197-2

Client Matrix: Solid

Date Sampled: 12/13/2012 1255

Date Received: 12/14/2012 1830

Analyte	Result	Qual	Units	RL	RL	Dil	Method
pH-Soluble	5.36		SU	1.00	1.00	1.0	9045C
Analysis Batch: 360-97404	Analysis Date: 12/14/2012 0923						DryWt Corrected: N
Percent Moisture	7.9		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-96459	Analysis Date: 12/18/2012 1832						DryWt Corrected: N
Percent Solids	92		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-96459	Analysis Date: 12/18/2012 1832						DryWt Corrected: N
Oxidation Reduction Potential-Soluble	83		millivolts	0.010	0.010	1.0	SM 2580B
Analysis Batch: 360-97405	Analysis Date: 12/14/2012 0923						DryWt Corrected: N

General Chemistry

Client Sample ID: **OC-SB-510-7.0/9.0-XXX**

Lab Sample ID: 480-30197-3

Client Matrix: Solid

Date Sampled: 12/13/2012 1300

Date Received: 12/14/2012 1830

Analyte	Result	Qual	Units	RL	RL	Dil	Method
pH-Soluble	6.88		SU	1.00	1.00	1.0	9045C
Analysis Batch: 360-97404	Analysis Date: 12/14/2012 0928						DryWt Corrected: N
Percent Moisture	14		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-96459	Analysis Date: 12/18/2012 1832						DryWt Corrected: N
Percent Solids	86		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-96459	Analysis Date: 12/18/2012 1832						DryWt Corrected: N
Oxidation Reduction Potential-Soluble	55		millivolts	0.010	0.010	1.0	SM 2580B
Analysis Batch: 360-97405	Analysis Date: 12/14/2012 0928						DryWt Corrected: N

General Chemistry

Client Sample ID: **OC-SB-520-0.0/1.0-XXX**

Lab Sample ID: 480-30197-4

Client Matrix: Solid

Date Sampled: 12/13/2012 0810

Date Received: 12/14/2012 1830

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	16		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-96459	Analysis Date: 12/18/2012 1832						DryWt Corrected: N
Percent Solids	84		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-96459	Analysis Date: 12/18/2012 1832						DryWt Corrected: N

General Chemistry

Client Sample ID: **OC-SB-520-8.0/10-XXX**

Lab Sample ID: 480-30197-5

Client Matrix: Solid

Date Sampled: 12/13/2012 0840

Date Received: 12/14/2012 1830

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	6.1		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-96459	Analysis Date: 12/18/2012 1832						DryWt Corrected: N
Percent Solids	94		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-96459	Analysis Date: 12/18/2012 1832						DryWt Corrected: N

General Chemistry

Client Sample ID: **OC-SB-520-18/20-XXX**

Lab Sample ID: 480-30197-6

Client Matrix: Solid

Date Sampled: 12/13/2012 0850

Date Received: 12/14/2012 1830

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	7.4		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-96459	Analysis Date: 12/18/2012 1832						DryWt Corrected: N
Percent Solids	93		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-96459	Analysis Date: 12/18/2012 1832						DryWt Corrected: N

General Chemistry

Client Sample ID: **OC-SB-522-0.0/1.0-XXX**

Lab Sample ID: 480-30197-7

Client Matrix: Solid

Date Sampled: 12/13/2012 0920

Date Received: 12/14/2012 1830

Analyte	Result	Qual	Units	RL	RL	Dil	Method
pH-Soluble	6.60		SU	1.00	1.00	1.0	9045C
Analysis Batch: 360-97404	Analysis Date: 12/14/2012 0913						DryWt Corrected: N
Percent Moisture	19		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-96459	Analysis Date: 12/18/2012 1832						DryWt Corrected: N
Percent Solids	81		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-96459	Analysis Date: 12/18/2012 1832						DryWt Corrected: N
Oxidation Reduction Potential-Soluble	31		millivolts	0.010	0.010	1.0	SM 2580B
Analysis Batch: 360-97405	Analysis Date: 12/14/2012 0913						DryWt Corrected: N

General Chemistry

Client Sample ID: **OC-SB-522-8.0/10-XXX**

Lab Sample ID: 480-30197-8

Client Matrix: Solid

Date Sampled: 12/13/2012 0940

Date Received: 12/14/2012 1830

Analyte	Result	Qual	Units	RL	RL	Dil	Method
pH-Soluble	6.61		SU	1.00	1.00	1.0	9045C
Analysis Batch: 360-97404	Analysis Date: 12/14/2012 0916						DryWt Corrected: N
Percent Moisture	18		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-96459	Analysis Date: 12/18/2012 1832						DryWt Corrected: N
Percent Solids	82		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-96459	Analysis Date: 12/18/2012 1832						DryWt Corrected: N
Oxidation Reduction Potential-Soluble	10		millivolts	0.010	0.010	1.0	SM 2580B
Analysis Batch: 360-97405	Analysis Date: 12/14/2012 0916						DryWt Corrected: N

General Chemistry

Client Sample ID: **OC-SB-522-13/15-XXX**

Lab Sample ID: 480-30197-9

Client Matrix: Solid

Date Sampled: 12/13/2012 0950

Date Received: 12/14/2012 1830

Analyte	Result	Qual	Units	RL	RL	Dil	Method
pH-Soluble	6.59		SU	1.00	1.00	1.0	9045C
Analysis Batch: 360-97404	Analysis Date: 12/14/2012 0920						DryWt Corrected: N
Percent Moisture	18		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-96459	Analysis Date: 12/18/2012 1832						DryWt Corrected: N
Percent Solids	82		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-96459	Analysis Date: 12/18/2012 1832						DryWt Corrected: N
Oxidation Reduction Potential-Soluble	10		millivolts	0.010	0.010	1.0	SM 2580B
Analysis Batch: 360-97405	Analysis Date: 12/14/2012 0920						DryWt Corrected: N

General Chemistry

Client Sample ID: **OC-SB-525-0.0/1.0-XXX**

Lab Sample ID: 480-30197-10

Client Matrix: Solid

Date Sampled: 12/13/2012 1100

Date Received: 12/14/2012 1830

Analyte	Result	Qual	Units	RL	RL	Dil	Method
pH-Soluble	6.96		SU	1.00	1.00	1.0	9045C
Analysis Batch: 360-97404	Analysis Date: 12/14/2012 0933						DryWt Corrected: N
Percent Moisture	10		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-96459	Analysis Date: 12/18/2012 1832						DryWt Corrected: N
Percent Solids	90		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-96459	Analysis Date: 12/18/2012 1832						DryWt Corrected: N
Oxidation Reduction Potential-Soluble	14		millivolts	0.010	0.010	1.0	SM 2580B
Analysis Batch: 360-97405	Analysis Date: 12/14/2012 0933						DryWt Corrected: N

General Chemistry

Client Sample ID: **OC-SB-525-3.0/5.0-XXX**

Lab Sample ID: 480-30197-11

Client Matrix: Solid

Date Sampled: 12/13/2012 1120

Date Received: 12/14/2012 1830

Analyte	Result	Qual	Units	RL	RL	Dil	Method
pH-Soluble	7.07		SU	1.00	1.00	1.0	9045C
Analysis Batch: 360-97404	Analysis Date: 12/14/2012 0936						DryWt Corrected: N
Percent Moisture	16		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-96459	Analysis Date: 12/18/2012 1832						DryWt Corrected: N
Percent Solids	84		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-96459	Analysis Date: 12/18/2012 1832						DryWt Corrected: N
Oxidation Reduction Potential-Soluble	2.0		millivolts	0.010	0.010	1.0	SM 2580B
Analysis Batch: 360-97405	Analysis Date: 12/14/2012 0936						DryWt Corrected: N

General Chemistry

Client Sample ID: **OC-SB-525-18/20-XXX**

Lab Sample ID: 480-30197-12

Client Matrix: Solid

Date Sampled: 12/13/2012 1145

Date Received: 12/14/2012 1830

Analyte	Result	Qual	Units	RL	RL	Dil	Method
pH-Soluble	7.21		SU	1.00	1.00	1.0	9045C
Analysis Batch: 360-97404	Analysis Date: 12/14/2012 0942						DryWt Corrected: N
Percent Moisture	8.1		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-96459	Analysis Date: 12/18/2012 1832						DryWt Corrected: N
Percent Solids	92		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-96459	Analysis Date: 12/18/2012 1832						DryWt Corrected: N
Oxidation Reduction Potential-Soluble	6.0		millivolts	0.010	0.010	1.0	SM 2580B
Analysis Batch: 360-97405	Analysis Date: 12/14/2012 0942						DryWt Corrected: N

General Chemistry

Client Sample ID: **OC-SB-533-0.0/1.0-XXX**

Lab Sample ID: 480-30197-13

Client Matrix: Solid

Date Sampled: 12/13/2012 1400

Date Received: 12/14/2012 1830

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	5.6		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-96459	Analysis Date: 12/18/2012 1832						DryWt Corrected: N
Percent Solids	94		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-96459	Analysis Date: 12/18/2012 1832						DryWt Corrected: N

General Chemistry

Client Sample ID: **OC-SB-533-6.0/8.0-XXX**

Lab Sample ID: 480-30197-14

Client Matrix: Solid

Date Sampled: 12/13/2012 1420

Date Received: 12/14/2012 1830

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	4.6		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-96459	Analysis Date: 12/18/2012 1832						DryWt Corrected: N
Percent Solids	95		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-96459	Analysis Date: 12/18/2012 1832						DryWt Corrected: N

General Chemistry

Client Sample ID: **OC-SB-533-13/15-XXX**

Lab Sample ID: 480-30197-15

Client Matrix: Solid

Date Sampled: 12/13/2012 1430

Date Received: 12/14/2012 1830

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	17		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-96459	Analysis Date: 12/18/2012 1832						DryWt Corrected: N
Percent Solids	83		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-96459	Analysis Date: 12/18/2012 1832						DryWt Corrected: N

General Chemistry

Client Sample ID: **OC-SB-532-0.0/1.0-XXX**

Lab Sample ID: 480-30197-16

Client Matrix: Solid

Date Sampled: 12/13/2012 1440

Date Received: 12/14/2012 1830

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	6.3		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-96459	Analysis Date: 12/18/2012 1832						DryWt Corrected: N
Percent Solids	94		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-96459	Analysis Date: 12/18/2012 1832						DryWt Corrected: N

General Chemistry

Client Sample ID: **OC-SB-532-6.0/8.0-XXX**

Lab Sample ID: 480-30197-17

Client Matrix: Solid

Date Sampled: 12/13/2012 1445

Date Received: 12/14/2012 1830

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	15		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-96459	Analysis Date: 12/18/2012 1832						DryWt Corrected: N
Percent Solids	85		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-96459	Analysis Date: 12/18/2012 1832						DryWt Corrected: N

General Chemistry

Client Sample ID: **OC-SB-532-11/13-XXX**

Lab Sample ID: 480-30197-18

Client Matrix: Solid

Date Sampled: 12/13/2012 1450

Date Received: 12/14/2012 1830

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	25		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-96459	Analysis Date: 12/18/2012 1832						DryWt Corrected: N
Percent Solids	75		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-96459	Analysis Date: 12/18/2012 1832						DryWt Corrected: N

General Chemistry

Client Sample ID: **OC-SB-534-0.0/1.0-XXX**

Lab Sample ID: 480-30197-19

Client Matrix: Solid

Date Sampled: 12/13/2012 1505

Date Received: 12/14/2012 1830

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	6.6		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-96459	Analysis Date: 12/18/2012 1832						DryWt Corrected: N
Percent Solids	93		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-96459	Analysis Date: 12/18/2012 1832						DryWt Corrected: N

General Chemistry

Client Sample ID: **OC-SB-534-7.0/9.0-XXX**

Lab Sample ID: 480-30197-20

Client Matrix: Solid

Date Sampled: 12/13/2012 1510

Date Received: 12/14/2012 1830

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	7.8		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-96459	Analysis Date: 12/18/2012 1832						DryWt Corrected: N
Percent Solids	92		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-96459	Analysis Date: 12/18/2012 1832						DryWt Corrected: N

Client: Olin Corporation

Job Number: 480-30197-1

Surrogate Recovery Report

8260C Volatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCA %Rec	TOL %Rec	BFB %Rec
480-30197-4	OC-SB-520-0.0/1.0-XXX	87	88	76
480-30197-5	OC-SB-520-8.0/10-XXX	88	89	87
480-30197-6	OC-SB-520-18/20-XXX	97	89	88
MB 480-96032/7		84	91	87
MB 480-96268/8		96	96	92
LCS 480-96032/5		89	91	89
LCS 480-96268/5		93	92	89
LCSD 480-96032/6		87	90	87
LCSD 480-96268/6		96	93	90

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: 480-30197-1

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
480-30197-4	OC-SB-520-0.0/1.0-XXX	59	56	70	83	89	70
480-30197-5	OC-SB-520-8.0/10-XXX	67	73	70	84	113	93
480-30197-6	OC-SB-520-18/20-XXX	76	80	91	90	95	87
480-30197-7	OC-SB-522-0.0/1.0-XXX	71	66	70	87	94	71
480-30197-8	OC-SB-522-8.0/10-XXX	0X	0X	0X	0X	0X	0X
480-30197-9	OC-SB-522-13/15-XXX	81	66	80	82	43	71
MB 480-96302/1-A		78	71	50	77	77	97
LCS 480-96302/2-A		72	68	68	82	75	96
LCSD 480-96302/3-A		75	76	80	87	85	107

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: 480-30197-1

Surrogate Recovery Report

MA-EPH Massachusetts - Extractable Petroleum Hydrocarbons (GC)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	FBP1 %Rec	2BN1 %Rec	OTPH1 %Rec	1COD2 %Rec
480-30197-13	OC-SB-533-0.0/1.0-XXX	119	117	86	52
480-30197-14	OC-SB-533-6.0/8.0-XXX	106	105	75	53
480-30197-15	OC-SB-533-13/15-XXX	111	110	85	58
480-30197-16	OC-SB-532-0.0/1.0-XXX	114	113	81	53
480-30197-17	OC-SB-532-6.0/8.0-XXX	116	115	92	65
480-30197-18	OC-SB-532-11/13-XXX	117	116	89	59
480-30197-19	OC-SB-534-0.0/1.0-XXX	119	118	84	59
480-30197-20	OC-SB-534-7.0/9.0-XXX	121	119	87	60
MB 480-96085/1-D		98	97	79	60
LCS 480-96085/2-D		105	103	87	61
LCSD 480-96085/3-D		110	108	88	58

Surrogate	Acceptance Limits
FBP = 2-Fluorobiphenyl	40-140
2BN = 2-Bromonaphthalene	40-140
OTPH = o-Terphenyl	40-140
1COD = 1-Chlorooctadecane	40-140

Client: Olin Corporation

Job Number: 480-30197-1

Method Blank - Batch: 480-96032

Method: 8260C
Preparation: N/A

Lab Sample ID:	MB 480-96032/7	Analysis Batch:	480-96032	Instrument ID:	HP5973F
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	F4356.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	12/16/2012 1326	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)	91	70 - 130
1,2-Dichloroethane-d4 (Surr)	84	70 - 130
4-Bromofluorobenzene (Surr)	87	70 - 130

Method Blank TICs- Batch: 480-96032

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

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 480-96032

Method: 8260C
Preparation: N/A

LCS Lab Sample ID:	LCS 480-96032/5	Analysis Batch:	480-96032	Instrument ID:	HP5973F
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	F4354.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	12/16/2012 1235	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 480-96032/6	Analysis Batch:	480-96032	Instrument ID:	HP5973F
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	F4355.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	12/16/2012 1300	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	117	108	70 - 130	7	20		
2,4,4-Trimethyl-2-pentene	103	101	70 - 130	2	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Toluene-d8 (Surr)	91	90	70 - 130
1,2-Dichloroethane-d4 (Surr)	89	87	70 - 130
4-Bromofluorobenzene (Surr)	89	87	70 - 130

Client: Olin Corporation

Job Number: 480-30197-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 480-96032

Method: 8260C
Preparation: N/A

LCS Lab Sample ID:	LCS 480-96032/5	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 480-96032/6
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	12/16/2012 1235			Analysis Date:	12/16/2012 1300
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	58.4	54.2
2,4,4-Trimethyl-2-pentene	50.0	50.0	51.3	50.4

Client: Olin Corporation

Job Number: 480-30197-1

Method Blank - Batch: 480-96268

Method: 8260C
Preparation: N/A

Lab Sample ID:	MB 480-96268/8	Analysis Batch:	480-96268	Instrument ID:	HP5973F
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	F4406.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	12/17/2012 2308	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)	96	70 - 130
4-Bromofluorobenzene (Surr)	92	70 - 130

Method Blank TICs- Batch: 480-96268

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

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 480-96268

Method: 8260C
Preparation: N/A

LCS Lab Sample ID:	LCS 480-96268/5	Analysis Batch:	480-96268	Instrument ID:	HP5973F
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	F4403.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	12/17/2012 2151	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 480-96268/6	Analysis Batch:	480-96268	Instrument ID:	HP5973F
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	F4404.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	12/17/2012 2217	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	107	109	70 - 130	2	20		
2,4,4-Trimethyl-2-pentene	99	92	70 - 130	8	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Toluene-d8 (Surr)	92	93	70 - 130
1,2-Dichloroethane-d4 (Surr)	93	96	70 - 130
4-Bromofluorobenzene (Surr)	89	90	70 - 130

Client: Olin Corporation

Job Number: 480-30197-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 480-96268

Method: 8260C
Preparation: N/A

LCS Lab Sample ID:	LCS 480-96268/5	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 480-96268/6
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	12/17/2012 2151			Analysis Date:	12/17/2012 2217
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	53.6	54.6
2,4,4-Trimethyl-2-pentene	50.0	50.0	49.6	46.0

Client: Olin Corporation

Job Number: 480-30197-1

Method Blank - Batch: 480-96085

Method: 8270C
Preparation: 3546

Lab Sample ID:	MB 480-96085/1-E	Analysis Batch:	480-97808	Instrument ID:	HP5973V
Client Matrix:	Solid	Prep Batch:	480-96085	Lab File ID:	V7919.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	000010.8 g
Analysis Date:	12/29/2012 2344	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	12/19/2012 0806			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	RL	RL
2-Methylnaphthalene	ND		940	940
Acenaphthene	ND		940	940
Acenaphthylene	ND		940	940
Anthracene	ND		940	940
Benz(a)anthracene	ND		940	940
Benzo(a)pyrene	ND		940	940
Benzo(b)fluoranthene	ND		940	940
Benzo(ghi)perylene	ND		940	940
Benzo(k)fluoranthene	ND		940	940
Chrysene	ND		940	940
Dibenz(a,h)anthracene	ND		940	940
Fluoranthene	ND		940	940
Fluorene	ND		940	940
Indeno(1,2,3-cd)pyrene	ND		940	940
Naphthalene	ND		940	940
Phenanthrene	ND		940	940
Pyrene	ND		940	940

Client: Olin Corporation

Job Number: 480-30197-1

Method Blank - Batch: 480-96302

Method: 8270D
Preparation: 3546

Lab Sample ID:	MB 480-96302/1-A	Analysis Batch:	480-96568	Instrument ID:	HP5973X
Client Matrix:	Solid	Prep Batch:	480-96302	Lab File ID:	X3169.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	000030.2 g
Analysis Date:	12/19/2012 1713	Units:	ug/Kg	Final Weight/Volume:	1 mL
Prep Date:	12/18/2012 0812			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Bis(2-ethylhexyl) phthalate	ND		67	170
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		50	170
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: 480-30197-1

Method Blank - Batch: 480-96302

Method: 8270D
Preparation: 3546

Lab Sample ID:	MB 480-96302/1-A	Analysis Batch:	480-96568	Instrument ID:	HP5973X
Client Matrix:	Solid	Prep Batch:	480-96302	Lab File ID:	X3169.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	000030.2 g
Analysis Date:	12/19/2012 1713	Units:	ug/Kg	Final Weight/Volume:	1 mL
Prep Date:	12/18/2012 0812			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Benzo[b]fluoranthene	ND		9.9	33
4-Nitrophenol	ND		14	170
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	170
2-Nitroaniline	ND		42	170
Caprolactam	ND		9.9	33
Carbazole	ND		9.9	33
4,6-Dinitro-2-methylphenol	ND		32	170
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	170
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	170
1,2,4,5-Tetrachlorobenzene	ND		9.9	33

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol	77	30 - 130
2-Fluorophenol	78	30 - 130
Nitrobenzene-d5	50	30 - 130
Phenol-d5	71	30 - 130
2-Fluorobiphenyl	77	30 - 130
p-Terphenyl-d14	97	30 - 130

Client: Olin Corporation

Job Number: 480-30197-1

Method Blank TICs- Batch: 480-96302

Cas Number	Analyte	RT	Est. Result	Qual
	Unknown	4.21	3460	T J

Client: Olin Corporation

Job Number: 480-30197-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 480-96302

Method: 8270D
Preparation: 3546

LCS Lab Sample ID:	LCS 480-96302/2-A	Analysis Batch:	480-96568	Instrument ID:	HP5973X
Client Matrix:	Solid	Prep Batch:	480-96302	Lab File ID:	X3170.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	000030.5 g
Analysis Date:	12/19/2012 1738	Units:	ug/Kg	Final Weight/Volume:	1 mL
Prep Date:	12/18/2012 0812			Injection Volume:	1 uL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 480-96302/3-A	Analysis Batch:	480-96568	Instrument ID:	HP5973X
Client Matrix:	Solid	Prep Batch:	480-96302	Lab File ID:	X3171.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	000030.2 g
Analysis Date:	12/19/2012 1804	Units:	ug/Kg	Final Weight/Volume:	1 mL
Prep Date:	12/18/2012 0812			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Bis(2-ethylhexyl) phthalate	86	99	40 - 140	15	30		
2,4,5-Trichlorophenol	92	95	30 - 130	4	30		
Aniline	49	66	40 - 140	29	30	J	
Hexachloroethane	70	81	40 - 140	15	30		
Dimethyl phthalate	76	81	40 - 140	8	30		
2,4-Dimethylphenol	63	99	30 - 130	45	30		*
Isophorone	77	90	40 - 140	16	30		
Fluorene	71	83	40 - 140	17	30		
Dibenzofuran	76	88	40 - 140	15	30		
Acenaphthylene	76	93	40 - 140	22	30		
2,4-Dichlorophenol	76	85	30 - 130	12	30		
Benzo[g,h,i]perylene	96	102	40 - 140	7	30		
Hexachlorobenzene	87	102	40 - 140	17	30		
Di-n-octyl phthalate	77	87	40 - 140	13	30		
Hexachlorobutadiene	77	93	40 - 140	19	30		
Phenanthrene	82	85	40 - 140	5	30		
2-Nitrophenol	55	77	30 - 130	35	30		*
Benzo[k]fluoranthene	79	90	40 - 140	14	30		
2,4-Dinitrophenol	11	0	30 - 130	200	30	*	*
Anthracene	77	86	40 - 140	12	30		
2-Methylnaphthalene	80	91	40 - 140	13	30		
Di-n-butyl phthalate	84	92	40 - 140	10	30	J	J
1,2,4-Trichlorobenzene	77	81	40 - 140	6	30		
Pyrene	93	107	40 - 140	15	30		
2,4-Dinitrotoluene	66	63	40 - 140	3	30		
Dibenz(a,h)anthracene	83	97	40 - 140	16	30		
1,3-Dichlorobenzene	69	78	40 - 140	14	30		
Nitrobenzene	73	76	40 - 140	5	30		
Naphthalene	75	82	40 - 140	11	30		
2,4,6-Trichlorophenol	82	83	30 - 130	2	30		
Pentachlorophenol	86	91	30 - 130	7	30		
Fluoranthene	71	76	40 - 140	9	30		
3,3'-Dichlorobenzidine	45	58	40 - 140	25	30	J	J
4-Bromophenyl phenyl ether	82	92	40 - 140	12	30		
Diethyl phthalate	78	82	40 - 140	7	30		
2-Methylphenol	68	77	30 - 130	14	30		

Client: Olin Corporation

Job Number: 480-30197-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 480-96302

Method: 8270D
Preparation: 3546

LCS Lab Sample ID:	LCS 480-96302/2-A	Analysis Batch:	480-96568	Instrument ID:	HP5973X
Client Matrix:	Solid	Prep Batch:	480-96302	Lab File ID:	X3170.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	000030.5 g
Analysis Date:	12/19/2012 1738	Units:	ug/Kg	Final Weight/Volume:	1 mL
Prep Date:	12/18/2012 0812			Injection Volume:	1 uL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 480-96302/3-A	Analysis Batch:	480-96568	Instrument ID:	HP5973X
Client Matrix:	Solid	Prep Batch:	480-96302	Lab File ID:	X3171.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	000030.2 g
Analysis Date:	12/19/2012 1804	Units:	ug/Kg	Final Weight/Volume:	1 mL
Prep Date:	12/18/2012 0812			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
1,2-Dichlorobenzene	67	80	40 - 140	18	30		
2,2'-oxybis[1-chloropropane]	71	81	40 - 140	13	30		
Bis(2-chloroethyl)ether	74	89	40 - 140	19	30		
Benzo[a]anthracene	76	82	40 - 140	9	30		
Indeno[1,2,3-cd]pyrene	88	101	40 - 140	15	30		
Butyl benzyl phthalate	82	96	40 - 140	16	30		
Chrysene	95	102	40 - 140	8	30		
Acenaphthene	75	78	40 - 140	5	30		
Benzo[b]fluoranthene	75	91	40 - 140	20	30		
4-Nitrophenol	0	0	30 - 130	NC	30	*	*
4-Chloroaniline	37	52	40 - 140	33	30	*	J *
2-Chlorophenol	66	89	30 - 130	30	30		
2,6-Dinitrotoluene	31	33	40 - 140	9	30	*	*
Phenol	71	85	30 - 130	20	30		
1,4-Dichlorobenzene	69	78	40 - 140	14	30		
Bis(2-chloroethoxy)methane	66	81	40 - 140	22	30		
2-Chloronaphthalene	48	57	40 - 140	18	30	J	
N-Nitrosodi-n-propylamine	69	73		6			
4-Chlorophenyl phenyl ether	73	82		13			
4-Chloro-3-methylphenol	80	92		15		J	J
Benzo[a]pyrene	78	85	40 - 140	9	30		
4-Methylphenol	74	110		40			
4-Nitroaniline	74	87		17		J	J
2-Nitroaniline	83	84		2		J	J
4,6-Dinitro-2-methylphenol	85	89		6		J	J
N-Nitrosodiphenylamine	37	39		4		J	J
Azobenzene	95	100	40 - 140	6	30		
Hexachlorocyclopentadiene	54	67		23		J	J
3-Nitroaniline	54	59		9		J	J
N-Nitrosodimethylamine	47	67		35		J	
Benzyl alcohol	3	0		200			
Benzoic acid	108	115		7		J	J

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
2,4,6-Tribromophenol	75	85	30 - 130
2-Fluorophenol	72	75	30 - 130

Client: Olin Corporation

Job Number: 480-30197-1

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Nitrobenzene-d5	68	80	30 - 130
Phenol-d5	68	76	30 - 130
2-Fluorobiphenyl	82	87	30 - 130
p-Terphenyl-d14	96	107	30 - 130

Client: Olin Corporation

Job Number: 480-30197-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 480-96302

Method: 8270D
Preparation: 3546

LCS Lab Sample ID:	LCS 480-96302/2-A	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 480-96302/3-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	12/19/2012 1738			Analysis Date:	12/19/2012 1804
Prep Date:	12/18/2012 0812			Prep Date:	12/18/2012 0812
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	65.6	66.2	ND		ND	
2,4,5-Trichlorophenol	65.6	66.2	60.3		62.7	
Aniline	65.6	66.2	32.4	J	43.4	
Hexachloroethane	65.6	66.2	46.1		53.3	
Dimethyl phthalate	65.6	66.2	49.6		53.9	
2,4-Dimethylphenol	65.6	66.2	41.5		65.6	*
Isophorone	65.6	66.2	50.7		59.3	
Fluorene	65.6	66.2	46.6		55.0	
Dibenzofuran	65.6	66.2	49.9		58.2	
Acenaphthylene	65.6	66.2	49.6		61.9	
2,4-Dichlorophenol	65.6	66.2	49.9		56.0	
Benzo[g,h,i]perylene	65.6	66.2	62.8		67.3	
Hexachlorobenzene	65.6	66.2	57.2		67.7	
Di-n-octyl phthalate	65.6	66.2	50.6		57.6	
Hexachlorobutadiene	65.6	66.2	50.5		61.3	
Phenanthrene	65.6	66.2	53.5		56.2	
2-Nitrophenol	65.6	66.2	35.9		50.8	*
Benzo[k]fluoranthene	65.6	66.2	52.1		59.8	
2,4-Dinitrophenol	65.6	66.2	ND	*	ND	*
Anthracene	65.6	66.2	50.7		57.2	
2-Methylnaphthalene	65.6	66.2	52.5		60.1	
Di-n-butyl phthalate	65.6	66.2	54.8	J	60.7	J
1,2,4-Trichlorobenzene	65.6	66.2	50.2		53.3	
Pyrene	65.6	66.2	60.8		70.6	
2,4-Dinitrotoluene	65.6	66.2	43.3		42.0	
Dibenz(a,h)anthracene	65.6	66.2	54.5		64.0	
1,3-Dichlorobenzene	65.6	66.2	45.0		51.6	
Nitrobenzene	65.6	66.2	47.6		50.1	
Naphthalene	65.6	66.2	48.9		54.4	
2,4,6-Trichlorophenol	65.6	66.2	53.9		54.9	
Pentachlorophenol	65.6	66.2	56.2		60.2	
Fluoranthene	65.6	66.2	46.2		50.6	
3,3'-Dichlorobenzidine	65.6	66.2	29.8	J	38.1	J
4-Bromophenyl phenyl ether	65.6	66.2	54.1		61.2	
Diethyl phthalate	65.6	66.2	51.0		54.6	
2-Methylphenol	65.6	66.2	44.5		51.2	
1,2-Dichlorobenzene	65.6	66.2	44.1		52.7	
2,2'-oxybis[1-chloropropane]	65.6	66.2	46.8		53.5	
Bis(2-chloroethyl)ether	65.6	66.2	48.4		58.7	

Client: Olin Corporation

Job Number: 480-30197-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 480-96302

Method: 8270D
Preparation: 3546

LCS Lab Sample ID:	LCS 480-96302/2-A	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 480-96302/3-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	12/19/2012 1738			Analysis Date:	12/19/2012 1804
Prep Date:	12/18/2012 0812			Prep Date:	12/18/2012 0812
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual		LCSD Result/Qual	
Benzo[a]anthracene	65.6	66.2	49.5		54.1	
Indeno[1,2,3-cd]pyrene	65.6	66.2	57.5		67.0	
Butyl benzyl phthalate	65.6	66.2	54.0		63.7	
Chrysene	65.6	66.2	62.4		67.3	
Acenaphthene	65.6	66.2	49.0		51.6	
Benzo[b]fluoranthene	65.6	66.2	49.3		60.1	
4-Nitrophenol	65.6	66.2	ND	*	ND	*
4-Chloroaniline	65.6	66.2	ND	*	34.4	J *
2-Chlorophenol	65.6	66.2	43.5		58.6	
2,6-Dinitrotoluene	65.6	66.2	ND	*	ND	*
Phenol	65.6	66.2	46.2		56.6	
1,4-Dichlorobenzene	65.6	66.2	45.1		51.9	
Bis(2-chloroethoxy)methane	65.6	66.2	43.3		53.8	
2-Chloronaphthalene	65.6	66.2	31.5	J	37.8	
N-Nitrosodi-n-propylamine	65.6	66.2	45.3		48.2	
4-Chlorophenyl phenyl ether	65.6	66.2	47.8		54.6	
4-Chloro-3-methylphenol	65.6	66.2	52.6	J	61.1	J
Benzo[a]pyrene	65.6	66.2	51.3		56.2	
4-Methylphenol	65.6	66.2	48.7		72.8	
4-Nitroaniline	65.6	66.2	48.3	J	57.4	J
2-Nitroaniline	65.6	66.2	54.4	J	55.7	J
4,6-Dinitro-2-methylphenol	65.6	66.2	55.7	J	59.1	J
N-Nitrosodiphenylamine	65.6	66.2	24.5	J	25.6	J
Azobenzene	65.6	66.2	62.2		66.0	
Hexachlorocyclopentadiene	65.6	66.2	35.3	J	44.6	J
3-Nitroaniline	65.6	66.2	35.7	J	39.1	J
N-Nitrosodimethylamine	65.6	66.2	31.1	J	44.1	
Benzyl alcohol	65.6	66.2	ND		ND	
Benzoic acid	65.6	66.2	70.6	J	76.1	J

Client: Olin Corporation

Job Number: 480-30197-1

Method Blank - Batch: 480-96085

Method: MA-EPH
Preparation: 3546

Lab Sample ID:	MB 480-96085/1-D	Analysis Batch:	480-97357	Instrument ID:	HP7890-20
Client Matrix:	Solid	Prep Batch:	480-96085	Lab File ID:	20_04143.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	000010.8 g
Analysis Date:	12/26/2012 0943	Units:	mg/Kg	Final Weight/Volume:	2 mL
Prep Date:	12/19/2012 0806			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	RL	RL
2-Methylnaphthalene	ND		0.93	0.93
Acenaphthene	ND		0.93	0.93
Acenaphthylene	ND		0.93	0.93
Anthracene	ND		0.93	0.93
Benzo[a]anthracene	ND		0.93	0.93
Benzo[a]pyrene	ND		0.93	0.93
Benzo[b]fluoranthene	ND		0.93	0.93
Benzo[g,h,i]perylene	ND		0.93	0.93
Benzo[k]fluoranthene	ND		0.93	0.93
Chrysene	ND		0.93	0.93
Dibenz(a,h)anthracene	ND		0.93	0.93
Fluoranthene	ND		0.93	0.93
Fluorene	ND		0.93	0.93
Indeno[1,2,3-cd]pyrene	ND		0.93	0.93
Naphthalene	ND		0.93	0.93
Phenanthrene	ND		0.93	0.93
Pyrene	ND		0.93	0.93
C11-C22 Aromatics	ND		9.3	9.3
C19-C36 Aliphatics	ND		9.3	9.3
C9-C18 Aliphatics	ND		9.3	9.3

Surrogate	% Rec	Acceptance Limits
1-Chlorooctadecane	60	40 - 140
2-Bromonaphthalene	97	40 - 140
2-Fluorobiphenyl	98	40 - 140
o-Terphenyl	79	40 - 140

Client: Olin Corporation

Job Number: 480-30197-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 480-96085

Method: MA-EPH
Preparation: 3546

LCS Lab Sample ID:	LCS 480-96085/2-D	Analysis Batch:	480-97357	Instrument ID:	HP7890-20
Client Matrix:	Solid	Prep Batch:	480-96085	Lab File ID:	20_04144.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	000010.9 g
Analysis Date:	12/26/2012 1012	Units:	mg/Kg	Final Weight/Volume:	2 mL
Prep Date:	12/19/2012 0806			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

LCSD Lab Sample ID:	LCSD 480-96085/3-D	Analysis Batch:	480-97357	Instrument ID:	HP7890-20
Client Matrix:	Solid	Prep Batch:	480-96085	Lab File ID:	20_04145.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	000010.9 g
Analysis Date:	12/26/2012 1042	Units:	mg/Kg	Final Weight/Volume:	2 mL
Prep Date:	12/19/2012 0806			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
2-Methylnaphthalene	84	86	40 - 140	2	25		
Acenaphthene	86	87	40 - 140	1	25		
Acenaphthylene	84	85	40 - 140	1	25		
Anthracene	91	91	40 - 140	1	25		
Benzo[a]anthracene	88	88	40 - 140	0	25		
Benzo[a]pyrene	85	86	40 - 140	0	25		
Benzo[b]fluoranthene	89	89	40 - 140	0	25		
Benzo[g,h,i]perylene	73	76	40 - 140	4	25		
Benzo[k]fluoranthene	86	87	40 - 140	1	25		
Chrysene	89	90	40 - 140	1	25		
Dibenz(a,h)anthracene	83	84	40 - 140	1	25		
Fluoranthene	87	87	40 - 140	0	25		
Fluorene	88	89	40 - 140	1	25		
Indeno[1,2,3-cd]pyrene	76	77	40 - 140	1	25		
Naphthalene	79	81	40 - 140	3	25		
Phenanthrene	89	90	40 - 140	1	25		
Pyrene	88	89	40 - 140	0	25		
C11-C22 Aromatics	84	85	40 - 140	1	25		
C19-C36 Aliphatics	74	71	40 - 140	4	25		
C9-C18 Aliphatics	67	65	40 - 140	3	25		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
1-Chlorooctadecane	61	58	40 - 140
2-Bromonaphthalene	103	108	40 - 140
2-Fluorobiphenyl	105	110	40 - 140
o-Terphenyl	87	88	40 - 140

Client: Olin Corporation

Job Number: 480-30197-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 480-96085

Method: MA-EPH
Preparation: 3546

LCS Lab Sample ID:	LCS 480-96085/2-D	Units:	mg/Kg	LCSD Lab Sample ID:	LCSD 480-96085/3-D
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	12/26/2012 1012			Analysis Date:	12/26/2012 1042
Prep Date:	12/19/2012 0806			Prep Date:	12/19/2012 0806
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
2-Methylnaphthalene	4.59	4.59	3.86	3.93
Acenaphthene	4.59	4.59	3.93	3.98
Acenaphthylene	4.59	4.59	3.87	3.92
Anthracene	4.59	4.59	4.15	4.19
Benzo[a]anthracene	4.59	4.59	4.04	4.05
Benzo[a]pyrene	4.59	4.59	3.91	3.93
Benzo[b]fluoranthene	4.59	4.59	4.08	4.06
Benzo[g,h,i]perylene	4.59	4.59	3.37	3.49
Benzo[k]fluoranthene	4.59	4.59	3.96	3.99
Chrysene	4.59	4.59	4.10	4.13
Dibenz(a,h)anthracene	4.59	4.59	3.81	3.86
Fluoranthene	4.59	4.59	3.97	3.97
Fluorene	4.59	4.59	4.02	4.08
Indeno[1,2,3-cd]pyrene	4.59	4.59	3.51	3.55
Naphthalene	4.59	4.59	3.63	3.73
Phenanthrene	4.59	4.59	4.06	4.11
Pyrene	4.59	4.59	4.06	4.06
C11-C22 Aromatics	78.0	78.0	65.9	66.4
C19-C36 Aliphatics	36.7	36.7	27.0	26.0
C9-C18 Aliphatics	27.5	27.5	18.3	17.8

Client: Olin Corporation

Job Number: 480-30197-1

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	

Client: Olin Corporation

Job Number: 480-30197-1

Lab Control Sample - Batch: 360-97404

Method: 9045C
Preparation: N/A

Lab Sample ID:	LCS 360-97402/1-A	Analysis Batch:	360-97404	Instrument ID:	pH meter
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	360-97402	Initial Weight/Volume:	
Analysis Date:	12/14/2012 0901	Units:	SU	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	12/14/2012 0750				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
pH-Soluble	6.00	5.940	99	90 - 110	

Duplicate - Batch: 360-97404

Method: 9045C
Preparation: N/A

Lab Sample ID:	480-30197-12	Analysis Batch:	360-97404	Instrument ID:	pH meter
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	360-97402	Initial Weight/Volume:	
Analysis Date:	12/14/2012 0945	Units:	SU	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	12/14/2012 0750				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
pH-Soluble	7.21	7.200	0.1	10.0	

Client: Olin Corporation

Job Number: 480-30197-1

Lab Control Sample - Batch: 360-97405

Method: SM 2580B
Preparation: N/A

Lab Sample ID:	LCS 360-97403/1-A	Analysis Batch:	360-97405	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	360-97403	Initial Weight/Volume:	
Analysis Date:	12/14/2012 0905	Units:	millivolts	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	12/14/2012 0750				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Oxidation Reduction Potential-Soluble	475	412	87	85 - 115	

Duplicate - Batch: 360-97405

Method: SM 2580B
Preparation: N/A

Lab Sample ID:	480-30197-12	Analysis Batch:	360-97405	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	360-97403	Initial Weight/Volume:	
Analysis Date:	12/14/2012 0945	Units:	millivolts	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	12/14/2012 0750				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Oxidation Reduction Potential-Soluble	6.0	7.00	15	20	

DATA REPORTING QUALIFIERS

Client: Olin Corporation

Job Number: 480-30197-1

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		
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Client: Olin Corporation

Job Number: 480-30197-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:480-96032					
LCS 480-96032/5	Lab Control Sample	T	Solid	8260C	
LCSD 480-96032/6	Lab Control Sample Duplicate	T	Solid	8260C	
MB 480-96032/7	Method Blank	T	Solid	8260C	
480-30197-4	OC-SB-520-0.0/1.0-XXX	T	Solid	8260C	480-96053
480-30197-5	OC-SB-520-8.0/10-XXX	T	Solid	8260C	480-96053
Prep Batch: 480-96053					
480-30197-4	OC-SB-520-0.0/1.0-XXX	T	Solid	5035	
480-30197-5	OC-SB-520-8.0/10-XXX	T	Solid	5035	
Prep Batch: 480-96264					
480-30197-6	OC-SB-520-18/20-XXX	T	Solid	5035	
Analysis Batch:480-96268					
LCS 480-96268/5	Lab Control Sample	T	Solid	8260C	
LCSD 480-96268/6	Lab Control Sample Duplicate	T	Solid	8260C	
MB 480-96268/8	Method Blank	T	Solid	8260C	
480-30197-6	OC-SB-520-18/20-XXX	T	Solid	8260C	480-96264

Report Basis

T = Total

Client: Olin Corporation

Job Number: 480-30197-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 480-96085					
MB 480-96085/1-E	Method Blank	T	Solid	3546	
480-30197-14	OC-SB-533-6.0/8.0-XXX	T	Solid	3546	
Prep Batch: 480-96302					
LCS 480-96302/2-A	Lab Control Sample	T	Solid	3546	
LCSD 480-96302/3-A	Lab Control Sample Duplicate	T	Solid	3546	
MB 480-96302/1-A	Method Blank	T	Solid	3546	
480-30197-4	OC-SB-520-0.0/1.0-XXX	T	Solid	3546	
480-30197-5	OC-SB-520-8.0/10-XXX	T	Solid	3546	
480-30197-6	OC-SB-520-18/20-XXX	T	Solid	3546	
480-30197-7	OC-SB-522-0.0/1.0-XXX	T	Solid	3546	
480-30197-8	OC-SB-522-8.0/10-XXX	T	Solid	3546	
480-30197-9	OC-SB-522-13/15-XXX	T	Solid	3546	
Analysis Batch:480-96568					
LCS 480-96302/2-A	Lab Control Sample	T	Solid	8270D	480-96302
LCSD 480-96302/3-A	Lab Control Sample Duplicate	T	Solid	8270D	480-96302
MB 480-96302/1-A	Method Blank	T	Solid	8270D	480-96302
Analysis Batch:480-96803					
480-30197-4	OC-SB-520-0.0/1.0-XXX	T	Solid	8270D	480-96302
480-30197-5	OC-SB-520-8.0/10-XXX	T	Solid	8270D	480-96302
480-30197-6	OC-SB-520-18/20-XXX	T	Solid	8270D	480-96302
480-30197-7	OC-SB-522-0.0/1.0-XXX	T	Solid	8270D	480-96302
480-30197-9	OC-SB-522-13/15-XXX	T	Solid	8270D	480-96302
Analysis Batch:480-97046					
480-30197-8	OC-SB-522-8.0/10-XXX	T	Solid	8270D	480-96302
Analysis Batch:480-97808					
MB 480-96085/1-E	Method Blank	T	Solid	8270C	480-96085
480-30197-14	OC-SB-533-6.0/8.0-XXX	T	Solid	8270C	480-96085

Report Basis

T = Total

Client: Olin Corporation

Job Number: 480-30197-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 480-96085					
LCS 480-96085/2-D	Lab Control Sample	T	Solid	3546	
LCSD 480-96085/3-D	Lab Control Sample Duplicate	T	Solid	3546	
MB 480-96085/1-D	Method Blank	T	Solid	3546	
480-30197-13	OC-SB-533-0.0/1.0-XXX	T	Solid	3546	
480-30197-14	OC-SB-533-6.0/8.0-XXX	T	Solid	3546	
480-30197-15	OC-SB-533-13/15-XXX	T	Solid	3546	
480-30197-16	OC-SB-532-0.0/1.0-XXX	T	Solid	3546	
480-30197-17	OC-SB-532-6.0/8.0-XXX	T	Solid	3546	
480-30197-18	OC-SB-532-11/13-XXX	T	Solid	3546	
480-30197-19	OC-SB-534-0.0/1.0-XXX	T	Solid	3546	
480-30197-20	OC-SB-534-7.0/9.0-XXX	T	Solid	3546	
Analysis Batch:480-97357					
LCS 480-96085/2-D	Lab Control Sample	T	Solid	MA-EPH	480-96085
LCSD 480-96085/3-D	Lab Control Sample Duplicate	T	Solid	MA-EPH	480-96085
MB 480-96085/1-D	Method Blank	T	Solid	MA-EPH	480-96085
480-30197-13	OC-SB-533-0.0/1.0-XXX	T	Solid	MA-EPH	480-96085
480-30197-14	OC-SB-533-6.0/8.0-XXX	T	Solid	MA-EPH	480-96085
480-30197-15	OC-SB-533-13/15-XXX	T	Solid	MA-EPH	480-96085
480-30197-16	OC-SB-532-0.0/1.0-XXX	T	Solid	MA-EPH	480-96085
480-30197-17	OC-SB-532-6.0/8.0-XXX	T	Solid	MA-EPH	480-96085
480-30197-18	OC-SB-532-11/13-XXX	T	Solid	MA-EPH	480-96085
480-30197-19	OC-SB-534-0.0/1.0-XXX	T	Solid	MA-EPH	480-96085
480-30197-20	OC-SB-534-7.0/9.0-XXX	T	Solid	MA-EPH	480-96085
Analysis Batch:480-97578					
480-30197-13	OC-SB-533-0.0/1.0-XXX	T	Solid	MA-EPH	
480-30197-14	OC-SB-533-6.0/8.0-XXX	T	Solid	MA-EPH	
480-30197-15	OC-SB-533-13/15-XXX	T	Solid	MA-EPH	
480-30197-16	OC-SB-532-0.0/1.0-XXX	T	Solid	MA-EPH	
480-30197-17	OC-SB-532-6.0/8.0-XXX	T	Solid	MA-EPH	
480-30197-18	OC-SB-532-11/13-XXX	T	Solid	MA-EPH	
480-30197-19	OC-SB-534-0.0/1.0-XXX	T	Solid	MA-EPH	
480-30197-20	OC-SB-534-7.0/9.0-XXX	T	Solid	MA-EPH	

Report Basis

T = Total

Client: Olin Corporation

Job Number: 480-30197-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:480-96459					
480-30197-1	OC-SB-509-1.0/3.0-XXX	T	Solid	Moisture	
480-30197-2	OC-SB-510-0.0/1.0-XXX	T	Solid	Moisture	
480-30197-3	OC-SB-510-7.0/9.0-XXX	T	Solid	Moisture	
480-30197-4	OC-SB-520-0.0/1.0-XXX	T	Solid	Moisture	
480-30197-5	OC-SB-520-8.0/10-XXX	T	Solid	Moisture	
480-30197-6	OC-SB-520-18/20-XXX	T	Solid	Moisture	
480-30197-7	OC-SB-522-0.0/1.0-XXX	T	Solid	Moisture	
480-30197-8	OC-SB-522-8.0/10-XXX	T	Solid	Moisture	
480-30197-9	OC-SB-522-13/15-XXX	T	Solid	Moisture	
480-30197-10	OC-SB-525-0.0/1.0-XXX	T	Solid	Moisture	
480-30197-11	OC-SB-525-3.0/5.0-XXX	T	Solid	Moisture	
480-30197-12	OC-SB-525-18/20-XXX	T	Solid	Moisture	
480-30197-13	OC-SB-533-0.0/1.0-XXX	T	Solid	Moisture	
480-30197-14	OC-SB-533-6.0/8.0-XXX	T	Solid	Moisture	
480-30197-15	OC-SB-533-13/15-XXX	T	Solid	Moisture	
480-30197-16	OC-SB-532-0.0/1.0-XXX	T	Solid	Moisture	
480-30197-17	OC-SB-532-6.0/8.0-XXX	T	Solid	Moisture	
480-30197-18	OC-SB-532-11/13-XXX	T	Solid	Moisture	
480-30197-19	OC-SB-534-0.0/1.0-XXX	T	Solid	Moisture	
480-30197-20	OC-SB-534-7.0/9.0-XXX	T	Solid	Moisture	
Prep Batch: 360-97402					
LCS 360-97402/1-A	Lab Control Sample	S	Solid	DI Leach	
480-30197-1	OC-SB-509-1.0/3.0-XXX	S	Solid	DI Leach	
480-30197-2	OC-SB-510-0.0/1.0-XXX	S	Solid	DI Leach	
480-30197-3	OC-SB-510-7.0/9.0-XXX	S	Solid	DI Leach	
480-30197-7	OC-SB-522-0.0/1.0-XXX	S	Solid	DI Leach	
480-30197-8	OC-SB-522-8.0/10-XXX	S	Solid	DI Leach	
480-30197-9	OC-SB-522-13/15-XXX	S	Solid	DI Leach	
480-30197-10	OC-SB-525-0.0/1.0-XXX	S	Solid	DI Leach	
480-30197-11	OC-SB-525-3.0/5.0-XXX	S	Solid	DI Leach	
480-30197-12	OC-SB-525-18/20-XXX	S	Solid	DI Leach	
480-30197-12DU	Duplicate	S	Solid	DI Leach	

Client: Olin Corporation

Job Number: 480-30197-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Prep Batch: 360-97403					
LCS 360-97403/1-A	Lab Control Sample	S	Solid	DI Leach	
480-30197-1	OC-SB-509-1.0/3.0-XXX	S	Solid	DI Leach	
480-30197-2	OC-SB-510-0.0/1.0-XXX	S	Solid	DI Leach	
480-30197-3	OC-SB-510-7.0/9.0-XXX	S	Solid	DI Leach	
480-30197-7	OC-SB-522-0.0/1.0-XXX	S	Solid	DI Leach	
480-30197-8	OC-SB-522-8.0/10-XXX	S	Solid	DI Leach	
480-30197-9	OC-SB-522-13/15-XXX	S	Solid	DI Leach	
480-30197-10	OC-SB-525-0.0/1.0-XXX	S	Solid	DI Leach	
480-30197-11	OC-SB-525-3.0/5.0-XXX	S	Solid	DI Leach	
480-30197-12	OC-SB-525-18/20-XXX	S	Solid	DI Leach	
480-30197-12DU	Duplicate	S	Solid	DI Leach	
Analysis Batch:360-97404					
LCS 360-97402/1-A	Lab Control Sample	S	Solid	9045C	
480-30197-1	OC-SB-509-1.0/3.0-XXX	S	Solid	9045C	
480-30197-2	OC-SB-510-0.0/1.0-XXX	S	Solid	9045C	
480-30197-3	OC-SB-510-7.0/9.0-XXX	S	Solid	9045C	
480-30197-7	OC-SB-522-0.0/1.0-XXX	S	Solid	9045C	
480-30197-8	OC-SB-522-8.0/10-XXX	S	Solid	9045C	
480-30197-9	OC-SB-522-13/15-XXX	S	Solid	9045C	
480-30197-10	OC-SB-525-0.0/1.0-XXX	S	Solid	9045C	
480-30197-11	OC-SB-525-3.0/5.0-XXX	S	Solid	9045C	
480-30197-12	OC-SB-525-18/20-XXX	S	Solid	9045C	
480-30197-12DU	Duplicate	S	Solid	9045C	
Analysis Batch:360-97405					
LCS 360-97403/1-A	Lab Control Sample	S	Solid	SM 2580B	
480-30197-1	OC-SB-509-1.0/3.0-XXX	S	Solid	SM 2580B	
480-30197-2	OC-SB-510-0.0/1.0-XXX	S	Solid	SM 2580B	
480-30197-3	OC-SB-510-7.0/9.0-XXX	S	Solid	SM 2580B	
480-30197-7	OC-SB-522-0.0/1.0-XXX	S	Solid	SM 2580B	
480-30197-8	OC-SB-522-8.0/10-XXX	S	Solid	SM 2580B	
480-30197-9	OC-SB-522-13/15-XXX	S	Solid	SM 2580B	
480-30197-10	OC-SB-525-0.0/1.0-XXX	S	Solid	SM 2580B	
480-30197-11	OC-SB-525-3.0/5.0-XXX	S	Solid	SM 2580B	
480-30197-12	OC-SB-525-18/20-XXX	S	Solid	SM 2580B	
480-30197-12DU	Duplicate	S	Solid	SM 2580B	

Report Basis

S = Soluble

T = Total

Client: Olin Corporation

Job Number: 480-30197-1

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
480-30197-1	OC-SB-509-1.0/3.0-XXX	T	Solid	7199	440-76769
480-30197-2	OC-SB-510-0.0/1.0-XXX	T	Solid	7199	440-76769
480-30197-3	OC-SB-510-7.0/9.0-XXX	T	Solid	7199	440-76769
480-30197-7	OC-SB-522-0.0/1.0-XXX	T	Solid	7199	440-76769
480-30197-8	OC-SB-522-8.0/10-XXX	T	Solid	7199	440-76769
480-30197-9	OC-SB-522-13/15-XXX	T	Solid	7199	440-76769
480-30197-10	OC-SB-525-0.0/1.0-XXX	T	Solid	7199	440-76769
480-30197-11	OC-SB-525-3.0/5.0-XXX	T	Solid	7199	440-76769
480-30197-12	OC-SB-525-18/20-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	
480-30197-1	OC-SB-509-1.0/3.0-XXX	T	Solid	3060A	
480-30197-2	OC-SB-510-0.0/1.0-XXX	T	Solid	3060A	
480-30197-3	OC-SB-510-7.0/9.0-XXX	T	Solid	3060A	
480-30197-7	OC-SB-522-0.0/1.0-XXX	T	Solid	3060A	
480-30197-8	OC-SB-522-8.0/10-XXX	T	Solid	3060A	
480-30197-9	OC-SB-522-13/15-XXX	T	Solid	3060A	
480-30197-10	OC-SB-525-0.0/1.0-XXX	T	Solid	3060A	
480-30197-11	OC-SB-525-3.0/5.0-XXX	T	Solid	3060A	
480-30197-12	OC-SB-525-18/20-XXX	T	Solid	3060A	

Report Basis

T = Total

Client: Olin Corporation

Job Number: 480-30197-1

Laboratory Chronicle

Lab ID: 480-30197-1 **Client ID:** OC-SB-509-1.0/3.0-XXX

Sample Date/Time: 12/13/2012 13:35 Received Date/Time: 12/14/2012 18:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	480-30197-A-1-D		440-76762	440-76769	01/03/2013 09:01	1000	TAL IRV	DC
A:7199	480-30197-A-1-D		440-76762	440-76769	01/04/2013 02:41	1000	TAL IRV	QPD
A:9045C	480-30197-A-1-A		360-97404		12/14/2012 09:10	1	TAL WFD	RWE
A:Moisture	480-30197-B-1		480-96459		12/18/2012 18:32	1	TAL BUF	MD
A:SM 2580B	480-30197-A-1-B		360-97405		12/14/2012 09:10	1	TAL WFD	RWE

Lab ID: 480-30197-2 **Client ID:** OC-SB-510-0.0/1.0-XXX

Sample Date/Time: 12/13/2012 12:55 Received Date/Time: 12/14/2012 18:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	480-30197-A-2-D		440-76762	440-76769	01/03/2013 09:01	10	TAL IRV	DC
A:7199	480-30197-A-2-D		440-76762	440-76769	01/04/2013 02:54	10	TAL IRV	QPD
A:9045C	480-30197-A-2-A		360-97404		12/14/2012 09:23	1	TAL WFD	RWE
A:Moisture	480-30197-B-2		480-96459		12/18/2012 18:32	1	TAL BUF	MD
A:SM 2580B	480-30197-A-2-B		360-97405		12/14/2012 09:23	1	TAL WFD	RWE

Lab ID: 480-30197-3 **Client ID:** OC-SB-510-7.0/9.0-XXX

Sample Date/Time: 12/13/2012 13:00 Received Date/Time: 12/14/2012 18:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	480-30197-A-3-D		440-76762	440-76769	01/03/2013 09:01	10	TAL IRV	DC
A:7199	480-30197-A-3-D		440-76762	440-76769	01/04/2013 03:07	10	TAL IRV	QPD
A:9045C	480-30197-A-3-A		360-97404		12/14/2012 09:28	1	TAL WFD	RWE
A:Moisture	480-30197-B-3		480-96459		12/18/2012 18:32	1	TAL BUF	MD
A:SM 2580B	480-30197-A-3-B		360-97405		12/14/2012 09:28	1	TAL WFD	RWE

Lab ID: 480-30197-4 **Client ID:** OC-SB-520-0.0/1.0-XXX

Sample Date/Time: 12/13/2012 08:10 Received Date/Time: 12/14/2012 18:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-30197-E-4-A		480-96032	480-96053	12/16/2012 12:49	1	TAL BUF	JMB
A:8260C	480-30197-E-4-A		480-96032	480-96053	12/16/2012 14:11	1	TAL BUF	CDC
P:3546	480-30197-A-4-A		480-96803	480-96302	12/18/2012 08:12	1	TAL BUF	CM
A:8270D	480-30197-A-4-A		480-96803	480-96302	12/20/2012 12:17	1	TAL BUF	RMM
A:Moisture	480-30197-A-4		480-96459		12/18/2012 18:32	1	TAL BUF	MD

Client: Olin Corporation

Job Number: 480-30197-1

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Lab ID: 480-30197-5 **Client ID:** OC-SB-520-8.0/10-XXX

Sample Date/Time: 12/13/2012 08:40 Received Date/Time: 12/14/2012 18:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-30197-E-5-A		480-96032	480-96053	12/16/2012 12:49	1	TAL BUF	JMB
A:8260C	480-30197-E-5-A		480-96032	480-96053	12/16/2012 14:37	1	TAL BUF	CDC
P:3546	480-30197-A-5-A		480-96803	480-96302	12/18/2012 08:12	1	TAL BUF	CM
A:8270D	480-30197-A-5-A		480-96803	480-96302	12/20/2012 12:43	1	TAL BUF	RMM
A:Moisture	480-30197-A-5		480-96459		12/18/2012 18:32	1	TAL BUF	MD

Lab ID: 480-30197-6 **Client ID:** OC-SB-520-18/20-XXX

Sample Date/Time: 12/13/2012 08:50 Received Date/Time: 12/14/2012 18:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-30197-D-6-A		480-96268	480-96264	12/17/2012 22:18	1	TAL BUF	CDC
A:8260C	480-30197-D-6-A		480-96268	480-96264	12/17/2012 23:49	1	TAL BUF	JMB
P:3546	480-30197-A-6-A		480-96803	480-96302	12/18/2012 08:12	1	TAL BUF	CM
A:8270D	480-30197-A-6-A		480-96803	480-96302	12/20/2012 13:08	1	TAL BUF	RMM
A:Moisture	480-30197-A-6		480-96459		12/18/2012 18:32	1	TAL BUF	MD

Lab ID: 480-30197-7 **Client ID:** OC-SB-522-0.0/1.0-XXX

Sample Date/Time: 12/13/2012 09:20 Received Date/Time: 12/14/2012 18:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	480-30197-B-7-A		480-96803	480-96302	12/18/2012 08:12	1	TAL BUF	CM
A:8270D	480-30197-B-7-A		480-96803	480-96302	12/20/2012 13:34	1	TAL BUF	RMM
P:3060A	480-30197-A-7-D		440-76762	440-76769	01/03/2013 09:01	10	TAL IRV	DC
A:7199	480-30197-A-7-D		440-76762	440-76769	01/04/2013 03:19	10	TAL IRV	QPD
A:9045C	480-30197-A-7-A		360-97404		12/14/2012 09:13	1	TAL WFD	RWE
A:Moisture	480-30197-B-7		480-96459		12/18/2012 18:32	1	TAL BUF	MD
A:SM 2580B	480-30197-A-7-B		360-97405		12/14/2012 09:13	1	TAL WFD	RWE

Lab ID: 480-30197-8 **Client ID:** OC-SB-522-8.0/10-XXX

Sample Date/Time: 12/13/2012 09:40 Received Date/Time: 12/14/2012 18:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	480-30197-B-8-A		480-97046	480-96302	12/18/2012 08:12	100	TAL BUF	CM
A:8270D	480-30197-B-8-A		480-97046	480-96302	12/21/2012 10:38	100	TAL BUF	RMM
P:3060A	480-30197-A-8-E		440-76762	440-76769	01/03/2013 09:01	10	TAL IRV	DC
A:7199	480-30197-A-8-E		440-76762	440-76769	01/04/2013 03:32	10	TAL IRV	QPD
A:9045C	480-30197-A-8-A		360-97404		12/14/2012 09:16	1	TAL WFD	RWE
A:Moisture	480-30197-B-8		480-96459		12/18/2012 18:32	1	TAL BUF	MD
A:SM 2580B	480-30197-A-8-B		360-97405		12/14/2012 09:16	1	TAL WFD	RWE

Client: Olin Corporation

Job Number: 480-30197-1

Laboratory Chronicle

Lab ID: **480-30197-9** **Client ID:** **OC-SB-522-13/15-XXX**

Sample Date/Time: 12/13/2012 09:50 Received Date/Time: 12/14/2012 18:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	480-30197-B-9-A		480-96803	480-96302	12/18/2012 08:12	1	TAL BUF	CM
A:8270D	480-30197-B-9-A		480-96803	480-96302	12/20/2012 14:26	1	TAL BUF	RMM
P:3060A	480-30197-A-9-D		440-76762	440-76769	01/03/2013 09:01	10	TAL IRV	DC
A:7199	480-30197-A-9-D		440-76762	440-76769	01/04/2013 04:10	10	TAL IRV	QPD
A:9045C	480-30197-A-9-A		360-97404		12/14/2012 09:20	1	TAL WFD	RWE
A:Moisture	480-30197-B-9		480-96459		12/18/2012 18:32	1	TAL BUF	MD
A:SM 2580B	480-30197-A-9-B		360-97405		12/14/2012 09:20	1	TAL WFD	RWE

Lab ID: **480-30197-10** **Client ID:** **OC-SB-525-0.0/1.0-XXX**

Sample Date/Time: 12/13/2012 11:00 Received Date/Time: 12/14/2012 18:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	480-30197-A-10-F		440-76762	440-76769	01/03/2013 09:01	10	TAL IRV	DC
A:7199	480-30197-A-10-F		440-76762	440-76769	01/04/2013 04:23	10	TAL IRV	QPD
A:9045C	480-30197-A-10-A		360-97404		12/14/2012 09:33	1	TAL WFD	RWE
A:Moisture	480-30197-A-10		480-96459		12/18/2012 18:32	1	TAL BUF	MD
A:SM 2580B	480-30197-A-10-B		360-97405		12/14/2012 09:33	1	TAL WFD	RWE

Lab ID: **480-30197-11** **Client ID:** **OC-SB-525-3.0/5.0-XXX**

Sample Date/Time: 12/13/2012 11:20 Received Date/Time: 12/14/2012 18:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	480-30197-A-11-D		440-76762	440-76769	01/03/2013 09:15	10	TAL IRV	DC
A:7199	480-30197-A-11-D		440-76762	440-76769	01/04/2013 04:35	10	TAL IRV	QPD
A:9045C	480-30197-A-11-A		360-97404		12/14/2012 09:36	1	TAL WFD	RWE
A:Moisture	480-30197-A-11		480-96459		12/18/2012 18:32	1	TAL BUF	MD
A:SM 2580B	480-30197-A-11-B		360-97405		12/14/2012 09:36	1	TAL WFD	RWE

Lab ID: **480-30197-12** **Client ID:** **OC-SB-525-18/20-XXX**

Sample Date/Time: 12/13/2012 11:45 Received Date/Time: 12/14/2012 18:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	480-30197-A-12-F		440-76762	440-76769	01/03/2013 09:15	10	TAL IRV	DC
A:7199	480-30197-A-12-F		440-76762	440-76769	01/04/2013 04:48	10	TAL IRV	QPD
A:9045C	480-30197-A-12-A		360-97404		12/14/2012 09:42	1	TAL WFD	RWE
A:Moisture	480-30197-A-12		480-96459		12/18/2012 18:32	1	TAL BUF	MD
A:SM 2580B	480-30197-A-12-C		360-97405		12/14/2012 09:42	1	TAL WFD	RWE

Client: Olin Corporation

Job Number: 480-30197-1

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Lab ID: **480-30197-12 DU** **Client ID:** **OC-SB-525-18/20-XXX**

Sample Date/Time: 12/13/2012 11:45 Received Date/Time: 12/14/2012 18:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9045C	480-30197-A-12-B DU		360-97404		12/14/2012 09:45	1	TAL WFD	RWE
A:SM 2580B	480-30197-A-12-D DU		360-97405		12/14/2012 09:45	1	TAL WFD	RWE

Lab ID: **480-30197-13** **Client ID:** **OC-SB-533-0.0/1.0-XXX**

Sample Date/Time: 12/13/2012 14:00 Received Date/Time: 12/14/2012 18:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	480-30197-A-13-D		480-97357	480-96085	12/19/2012 08:06	1	TAL BUF	DE
A:MA-EPH	480-30197-A-13-D		480-97357	480-96085	12/26/2012 18:03	1	TAL BUF	DB
A:MA-EPH	480-30197-A-13		480-97578		12/27/2012 14:59	1	TAL BUF	GR
A:Moisture	480-30197-A-13		480-96459		12/18/2012 18:32	1	TAL BUF	MD

Lab ID: **480-30197-14** **Client ID:** **OC-SB-533-6.0/8.0-XXX**

Sample Date/Time: 12/13/2012 14:20 Received Date/Time: 12/14/2012 18:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	480-30197-A-14-E		480-97808	480-96085	12/19/2012 08:06	1	TAL BUF	DE
A:8270C	480-30197-A-14-E		480-97808	480-96085	12/30/2012 00:09	1	TAL BUF	HTL
P:3546	480-30197-A-14-D		480-97357	480-96085	12/19/2012 08:06	1	TAL BUF	DE
A:MA-EPH	480-30197-A-14-D		480-97357	480-96085	12/26/2012 18:33	1	TAL BUF	DB
A:MA-EPH	480-30197-A-14		480-97578		12/27/2012 14:59	1	TAL BUF	GR
A:Moisture	480-30197-A-14		480-96459		12/18/2012 18:32	1	TAL BUF	MD

Lab ID: **480-30197-15** **Client ID:** **OC-SB-533-13/15-XXX**

Sample Date/Time: 12/13/2012 14:30 Received Date/Time: 12/14/2012 18:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	480-30197-A-15-D		480-97357	480-96085	12/19/2012 08:06	1	TAL BUF	DE
A:MA-EPH	480-30197-A-15-D		480-97357	480-96085	12/26/2012 19:02	1	TAL BUF	DB
A:MA-EPH	480-30197-A-15		480-97578		12/27/2012 14:59	1	TAL BUF	GR
A:Moisture	480-30197-A-15		480-96459		12/18/2012 18:32	1	TAL BUF	MD

Client: Olin Corporation

Job Number: 480-30197-1

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Lab ID: 480-30197-16 **Client ID:** OC-SB-532-0.0/1.0-XXX

Sample Date/Time: 12/13/2012 14:40 Received Date/Time: 12/14/2012 18:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	480-30197-A-16-D		480-97357	480-96085	12/19/2012 08:06	1	TAL BUF	DE
A:MA-EPH	480-30197-A-16-D		480-97357	480-96085	12/26/2012 19:31	1	TAL BUF	DB
A:MA-EPH	480-30197-A-16		480-97578		12/27/2012 14:59	1	TAL BUF	GR
A:Moisture	480-30197-A-16		480-96459		12/18/2012 18:32	1	TAL BUF	MD

Lab ID: 480-30197-17 **Client ID:** OC-SB-532-6.0/8.0-XXX

Sample Date/Time: 12/13/2012 14:45 Received Date/Time: 12/14/2012 18:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	480-30197-A-17-D		480-97357	480-96085	12/19/2012 08:06	1	TAL BUF	DE
A:MA-EPH	480-30197-A-17-D		480-97357	480-96085	12/26/2012 20:01	1	TAL BUF	DB
A:MA-EPH	480-30197-A-17		480-97578		12/27/2012 14:59	1	TAL BUF	GR
A:Moisture	480-30197-A-17		480-96459		12/18/2012 18:32	1	TAL BUF	MD

Lab ID: 480-30197-18 **Client ID:** OC-SB-532-11/13-XXX

Sample Date/Time: 12/13/2012 14:50 Received Date/Time: 12/14/2012 18:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	480-30197-A-18-D		480-97357	480-96085	12/19/2012 08:06	1	TAL BUF	DE
A:MA-EPH	480-30197-A-18-D		480-97357	480-96085	12/26/2012 20:31	1	TAL BUF	DB
A:MA-EPH	480-30197-A-18		480-97578		12/27/2012 14:59	1	TAL BUF	GR
A:Moisture	480-30197-A-18		480-96459		12/18/2012 18:32	1	TAL BUF	MD

Lab ID: 480-30197-19 **Client ID:** OC-SB-534-0.0/1.0-XXX

Sample Date/Time: 12/13/2012 15:05 Received Date/Time: 12/14/2012 18:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	480-30197-A-19-D		480-97357	480-96085	12/19/2012 08:06	1	TAL BUF	DE
A:MA-EPH	480-30197-A-19-D		480-97357	480-96085	12/26/2012 21:00	1	TAL BUF	DB
A:MA-EPH	480-30197-A-19		480-97578		12/27/2012 14:59	1	TAL BUF	GR
A:Moisture	480-30197-A-19		480-96459		12/18/2012 18:32	1	TAL BUF	MD

Lab ID: 480-30197-20 **Client ID:** OC-SB-534-7.0/9.0-XXX

Sample Date/Time: 12/13/2012 15:10 Received Date/Time: 12/14/2012 18:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	480-30197-A-20-D		480-97357	480-96085	12/19/2012 08:06	1	TAL BUF	DE
A:MA-EPH	480-30197-A-20-D		480-97357	480-96085	12/26/2012 21:30	1	TAL BUF	DB
A:MA-EPH	480-30197-A-20		480-97578		12/27/2012 14:59	1	TAL BUF	GR
A:Moisture	480-30197-A-20		480-96459		12/18/2012 18:32	1	TAL BUF	MD

Client: Olin Corporation

Job Number: 480-30197-1

Laboratory Chronicle

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 480-96032/7		480-96032		12/16/2012 13:26	1	TAL BUF	CDC
A:8260C	MB 480-96268/8		480-96268		12/17/2012 23:08	1	TAL BUF	JMB
P:3546	MB 480-96085/1-E		480-97808	480-96085	12/19/2012 08:06	1	TAL BUF	DE
A:8270C	MB 480-96085/1-E		480-97808	480-96085	12/29/2012 23:44	1	TAL BUF	HTL
P:3546	MB 480-96302/1-A		480-96568	480-96302	12/18/2012 08:12	1	TAL BUF	CM
A:8270D	MB 480-96302/1-A		480-96568	480-96302	12/19/2012 17:13	1	TAL BUF	RMM
P:3546	MB 480-96085/1-D		480-97357	480-96085	12/19/2012 08:06	1	TAL BUF	DE
A:MA-EPH	MB 480-96085/1-D		480-97357	480-96085	12/26/2012 09:43	1	TAL BUF	DB
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

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 480-96032/5		480-96032		12/16/2012 12:35	1	TAL BUF	CDC
A:8260C	LCS 480-96268/5		480-96268		12/17/2012 21:51	1	TAL BUF	JMB
P:3546	LCS 480-96302/2-A		480-96568	480-96302	12/18/2012 08:12	1	TAL BUF	CM
A:8270D	LCS 480-96302/2-A		480-96568	480-96302	12/19/2012 17:38	1	TAL BUF	RMM
P:3546	LCS 480-96085/2-D		480-97357	480-96085	12/19/2012 08:06	1	TAL BUF	DE
A:MA-EPH	LCS 480-96085/2-D		480-97357	480-96085	12/26/2012 10:12	1	TAL BUF	DB
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
A:9045C	LCS 360-97402/1-A		360-97404		12/14/2012 09:01	1	TAL WFD	RWE
A:SM 2580B	LCS 360-97403/1-A		360-97405		12/14/2012 09:05	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 480-96032/6		480-96032		12/16/2012 13:00	1	TAL BUF	CDC
A:8260C	LCSD 480-96268/6		480-96268		12/17/2012 22:17	1	TAL BUF	JMB
P:3546	LCSD 480-96302/3-A		480-96568	480-96302	12/18/2012 08:12	1	TAL BUF	CM
A:8270D	LCSD 480-96302/3-A		480-96568	480-96302	12/19/2012 18:04	1	TAL BUF	RMM
P:3546	LCSD 480-96085/3-D		480-97357	480-96085	12/19/2012 08:06	1	TAL BUF	DE
A:MA-EPH	LCSD 480-96085/3-D		480-97357	480-96085	12/26/2012 10:42	1	TAL BUF	DB

Lab References:

TAL BUF = TestAmerica Buffalo

TAL IRV = TestAmerica Irvine

TAL WFD = TestAmerica Westfield

Certification Summary

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

TestAmerica Job ID: 480-30197-1

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 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
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.: 480-30197-1

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-520-0.0/1.0-XXX	480-30197-4	87	88	76
OC-SB-520-8.0/10-XXX	480-30197-5	88	89	87
OC-SB-520-18/20-XXX	480-30197-6	97	89	88
	MB 480-96032/7	84	91	87
	MB 480-96268/8	96	96	92
	LCS 480-96032/5	89	91	89
	LCS 480-96268/5	93	92	89
	LCSD 480-96032/6	87	90	87
	LCSD 480-96268/6	96	93	90

	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.: 480-30197-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: F4354.D

Lab ID: LCS 480-96032/5 Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
2,4,4-Trimethyl-1-pentene	50.0	58.4	117	70-130	
2,4,4-Trimethyl-2-pentene	50.0	51.3	103	70-130	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-30197-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: F4403.D

Lab ID: LCS 480-96268/5 Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
2,4,4-Trimethyl-1-pentene	50.0	53.6	107	70-130	
2,4,4-Trimethyl-2-pentene	50.0	49.6	99	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.: 480-30197-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: F4355.D

Lab ID: LCSD 480-96032/6 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	54.2	108	7	20	70-130	
2,4,4-Trimethyl-2-pentene	50.0	50.4	101	2	20	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.: 480-30197-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: F4404.D

Lab ID: LCSD 480-96268/6 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	54.6	109	2	20	70-130	
2,4,4-Trimethyl-2-pentene	50.0	46.0	92	8	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.: 480-30197-1

SDG No.:

Lab File ID: F4356.D Lab Sample ID: MB 480-96032/7

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

Instrument ID: HP5973F Date Analyzed: 12/16/2012 13:26

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 480-96032/5	F4354.D	12/16/2012 12:35
	LCSD 480-96032/6	F4355.D	12/16/2012 13:00
OC-SB-520-0.0/1.0-XXX	480-30197-4	F4357.D	12/16/2012 14:11
OC-SB-520-8.0/10-XXX	480-30197-5	F4358.D	12/16/2012 14:37

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-30197-1

SDG No.:

Lab File ID: F4406.D Lab Sample ID: MB 480-96268/8

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

Instrument ID: HP5973F Date Analyzed: 12/17/2012 23:08

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 480-96268/5	F4403.D	12/17/2012 21:51
	LCSD 480-96268/6	F4404.D	12/17/2012 22:17
OC-SB-520-18/20-XXX	480-30197-6	F4407.D	12/17/2012 23:49

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

Lab Name: TestAmerica Buffalo Job No.: 480-30197-1

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
	STD1 480-95189/3	F4222.D	12/11/2012	15:52
	STD2 480-95189/4	F4223.D	12/11/2012	16:17
	STD3 480-95189/5	F4224.D	12/11/2012	16:43
	STD4 480-95189/6	F4225.D	12/11/2012	17:08
	STD5 480-95189/7	F4226.D	12/11/2012	17:34
	STD6 480-95189/8	F4227.D	12/11/2012	17:59
	STD7 480-95189/9	F4228.D	12/11/2012	18:24
	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.: 480-30197-1

SDG No.:

Lab File ID: F4350.D BFB Injection Date: 12/16/2012

Instrument ID: HP5973F BFB Injection Time: 10:20

Analysis Batch No.: 96032

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	16.5	
75	30.0 - 60.0 % of mass 95	42.7	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.3	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	88.3	
175	5.0 - 9.0 % of mass 174	6.2	(7.0)1
176	95.0 - 101.0 % of mass 174	84.4	(95.5)1
177	5.0 - 9.0 % of mass 176	5.5	(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 480-96032/3	F4352.D	12/16/2012	11:10
	CCV 480-96032/4	F4353.D	12/16/2012	11:36
	LCS 480-96032/5	F4354.D	12/16/2012	12:35
	LCSD 480-96032/6	F4355.D	12/16/2012	13:00
	MB 480-96032/7	F4356.D	12/16/2012	13:26
OC-SB-520-0.0/1.0-XXX	480-30197-4	F4357.D	12/16/2012	14:11
OC-SB-520-8.0/10-XXX	480-30197-5	F4358.D	12/16/2012	14:37

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

Lab Name: TestAmerica Buffalo Job No.: 480-30197-1

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.: 480-30197-1

SDG No.:

Lab File ID: F4400.D BFB Injection Date: 12/17/2012

Instrument ID: HP5973F BFB Injection Time: 20:24

Analysis Batch No.: 96268

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	16.5	
75	30.0 - 60.0 % of mass 95	40.1	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.3	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	90.4	
175	5.0 - 9.0 % of mass 174	6.8	(7.5)1
176	95.0 - 101.0 % of mass 174	88.5	(97.9)1
177	5.0 - 9.0 % of mass 176	5.9	(6.7)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 480-96268/3	F4401.D	12/17/2012	20:50
	CCV 480-96268/4	F4402.D	12/17/2012	21:26
	LCS 480-96268/5	F4403.D	12/17/2012	21:51
	LCSD 480-96268/6	F4404.D	12/17/2012	22:17
	MB 480-96268/8	F4406.D	12/17/2012	23:08
OC-SB-520-18/20-XXX	480-30197-6	F4407.D	12/17/2012	23:49

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

Lab Name: TestAmerica Buffalo Job No.: 480-30197-1

SDG No.:

Sample No.: STD5 480-95189/7 Date Analyzed: 12/11/2012 17:34

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

Lab File ID (Standard): F4226.D Heated Purge: (Y/N) N

Calibration ID: 11592

		DFB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		362215	5.61	157875	8.38	175985	10.70
UPPER LIMIT		724430	6.11	315750	8.88	351970	11.20
LOWER LIMIT		181108	5.11	78938	7.88	87993	10.20
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 480-96032/3		337763	5.61	150296	8.38	169851	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 VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-30197-1

SDG No.:

Sample No.: CCVIS 480-96032/3 Date Analyzed: 12/16/2012 11:10

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

Lab File ID (Standard): F4352.D Heated Purge: (Y/N) N

Calibration ID: 11594

		DFB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		337763	5.61	150296	8.38	169851	10.70
UPPER LIMIT		675526	6.11	300592	8.88	339702	11.20
LOWER LIMIT		168882	5.11	75148	7.88	84926	10.20
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 480-96032/4		290615	5.61	127659	8.38	141582	10.70
LCS 480-96032/5		332200	5.61	149168	8.38	174127	10.70
LCSD 480-96032/6		341021	5.61	154040	8.38	175631	10.70
MB 480-96032/7		323180	5.61	141725	8.38	161282	10.70
480-30197-4	OC-SB-520-0.0/1.0-XXX	307542	5.61	128573	8.38	117998	10.70
480-30197-5	OC-SB-520-8.0/10-XXX	307169	5.61	136678	8.38	156970	10.70

DFB = 1,4-Difluorobenzene
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 VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-30197-1

SDG No.:

Sample No.: CCVIS 480-96268/3 Date Analyzed: 12/17/2012 20:50

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

Lab File ID (Standard): F4401.D Heated Purge: (Y/N) N

Calibration ID: 11625

		DFB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		377578	5.61	167287	8.38	188939	10.70
UPPER LIMIT		755156	6.11	334574	8.88	377878	11.20
LOWER LIMIT		188789	5.11	83644	7.88	94470	10.20
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 480-96268/4		371678	5.61	164255	8.38	180790	10.70
LCS 480-96268/5		372341	5.61	164326	8.38	183669	10.70
LCSD 480-96268/6		377473	5.61	168216	8.38	188127	10.70
MB 480-96268/8		362138	5.61	157011	8.38	170928	10.70
480-30197-6	OC-SB-520-18/20-XXX	379782	5.61	167593	8.38	187961	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.: 480-30197-1
SDG No.:
Client Sample ID: OC-SB-520-0.0/1.0-XXX
Lab Sample ID: 480-30197-4
Matrix: Solid
Lab File ID: F4357.D
Analysis Method: 8260C
Date Collected: 12/13/2012 08:10
Sample wt/vol: 6.24(g)
Date Analyzed: 12/16/2012 14:11
Soil Aliquot Vol:
Dilution Factor: 1
Soil Extract Vol.:
GC Column: ZB-624 (60) ID: 0.25(mm)
% Moisture: 16.3
Level: (low/med) Low
Analysis Batch No.: 96032
Units: ug/Kg

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	88		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	87		70-130
460-00-4	4-Bromofluorobenzene (Surr)	76		70-130

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

Lab Name: TestAmerica Buffalo Job No.: 480-30197-1

SDG No.:

Client Sample ID: OC-SB-520-0.0/1.0-XXX Lab Sample ID: 480-30197-4

Matrix: Solid Lab File ID: F4357.D

Analysis Method: 8260C Date Collected: 12/13/2012 08:10

Sample wt/vol: 6.24(g) Date Analyzed: 12/16/2012 14:11

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: 16.3 Level: (low/med) Low

Analysis Batch No.: 96032 Units: ug/Kg

Number TICs Found: 1 TIC Result Total: 5

CAS NO.	COMPOUND NAME	RT	RESULT	Q
556-67-2	Cyclotetrasiloxane, octamethyl-	9.54	5.0	T J N

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973F\20121216-17581.b\F4357.D		
Lims ID:	480-30197-E-4-A	Client ID:	OC-SB-520-0.0/1.0-XXX
Inject. Date:	16-Dec-2012 14:11:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-30197-E-4-A		
Misc. Info.:	480-0017581-008 =480-0017581-008		
Operator:	JMB	Instrument ID:	HP5973F
Purge Vol:	5.000 mL	ALS Bottle#:	8
Lims Batch ID:	96032	Lims Sample ID:	8
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973F\20121216-17581.b\F-8260 SOIL.m		
Last Update:	16-Dec-2012 21:01:56	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:	XAWRK014		

First Level Reviewer: cwiklinc Date: 16-Dec-2012 21:01:56

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	307542	50.0	
* 2 Chlorobenzene-d5	82	8.382	8.382	0.0	80	128573	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.700	10.700	0.0	92	117998	50.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.310	5.304	0.006	98	48663	43.6	
$ 5 Toluene-d8 (Surr)	98	6.934	6.935	-0.001	82	339884	43.8	
$ 6 4-Bromofluorobenzene (Surr)	174	9.599	9.599	0.0	91	104410	38.2	
10 Dichlorodifluoromethane	85		2.001					
12 Chloromethane	50		2.153					
13 Vinyl chloride	62		2.274					
14 Bromomethane	94		2.560					
15 Chloroethane	64		2.633					
17 Trichlorofluoromethane	101		2.846					
18 Ethyl ether	59		3.029					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.230					
22 1,1-Dichloroethene	96		3.254					
23 Acetone	43	3.327	3.309	0.018	84	16399	18.9	
26 Carbon disulfide	76		3.473					
27 Methyl acetate	43		3.528					
30 Methylene Chloride	84	3.655	3.649	0.006	42	2905	1.09	
32 Methyl tert-butyl ether	73		3.807					
34 trans-1,2-Dichloroethene	96		3.838					
36 Isopropyl ether	45		4.130					
39 1,1-Dichloroethane	63		4.172					
41 Tert-butyl ethyl ether	59		4.410					
43 2-Butanone (MEK)	43		4.617					
44 2,2-Dichloropropane	77		4.623					
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		5.140					
55 Carbon tetrachloride	117		5.152					
57 Benzene	78		5.328					9
56 Tert-amyl methyl ether	73		5.347					
58 1,2-Dichloroethane	62		5.371					
136 2,4,4-Trimethyl-1-pentene	55		5.742					
62 Trichloroethene	95		5.851					
135 2,4,4-Trimethyl-2-pentene	97		5.919					
64 Methylcyclohexane	83		5.991					
65 1,2-Dichloropropane	63		6.077					
66 1,4-Dioxane	88		6.186					
67 Dibromomethane	93		6.210					
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		7.421					
81 Tetrachloroethene	166		7.524					
82 1,3-Dichloropropane	76		7.585					
80 2-Hexanone	43		7.591					9
83 Chlorodibromomethane	129		7.829					
84 Ethylene Dibromide	107		7.962					
87 Chlorobenzene	112		8.413					
88 Ethylbenzene	91		8.473					
89 1,1,1,2-Tetrachloroethane	131		8.492					
90 m-Xylene & p-Xylene	106		8.589					
91 o-Xylene	106		9.027					
92 Styrene	104		9.045					9
95 Bromoform	173		9.325					
94 Isopropylbenzene	105		9.386					
97 1,1,2,2-Tetrachloroethane	83		9.757					
101 Bromobenzene	156		9.769					
99 N-Propylbenzene	91		9.800					9
100 1,2,3-Trichloropropane	110		9.812					
103 2-Chlorotoluene	126		9.934					
102 1,3,5-Trimethylbenzene	105		9.964					
105 4-Chlorotoluene	126		10.037					
106 tert-Butylbenzene	134		10.280					
107 1,2,4-Trimethylbenzene	105		10.335					
109 sec-Butylbenzene	105		10.481					9
110 4-Isopropyltoluene	119		10.603					
111 1,3-Dichlorobenzene	146		10.645					9
113 1,4-Dichlorobenzene	146		10.724					9
115 n-Butylbenzene	91		10.974					9
116 1,2-Dichlorobenzene	146		11.065					9
117 1,2-Dibromo-3-Chloropropane	75		11.740					
119 1,2,4-Trichlorobenzene	180		12.391					9
120 Hexachlorobutadiene	225		12.483					
121 Naphthalene	128		12.622					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
9 - Failed A Reference Spectral Test

TestAmerica Buffalo
Tentatively Identified Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973F\20121216-17581.b\F4357.D		
Lims ID:	480-30197-E-4-A	Client ID:	OC-SB-520-0.0/1.0-XXX
Inject. Date:	16-Dec-2012 14:11:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-30197-E-4-A		
Misc. Info.:	480-0017581-008 =480-0017581-008		
Operator:	JMB	Instrument ID:	HP5973F
Purge Vol:	5.000 mL	ALS Bottle#:	8
Lims Batch ID:	96032	Lims Sample ID:	8
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973F\20121216-17581.b\F-8260 SOIL.m		
Last Update:	16-Dec-2012 21:01:56	Calib Date:	11-Dec-2012 23:36:30
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:	XAWRK014		

First Level Reviewer: cwiklinc Date: 16-Dec-2012 21:01:56

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ug/kg	Flags
Hexane	3.984	1903		

Tentative Identified Compound Results

RT	Response	Amount ug/kg	Quant Cpnd	Qual	Lib Entry	Flags
556-67-2 Cyclotetrasiloxane, octamethyl-						
9.538	74806	5.22	2	90	128142	

Quantitation Compounds

Compound	RT	Response	Amount ug/kg
* 2 Chlorobenzene-d5	8.382	715870	50.0

QC Flag Legend

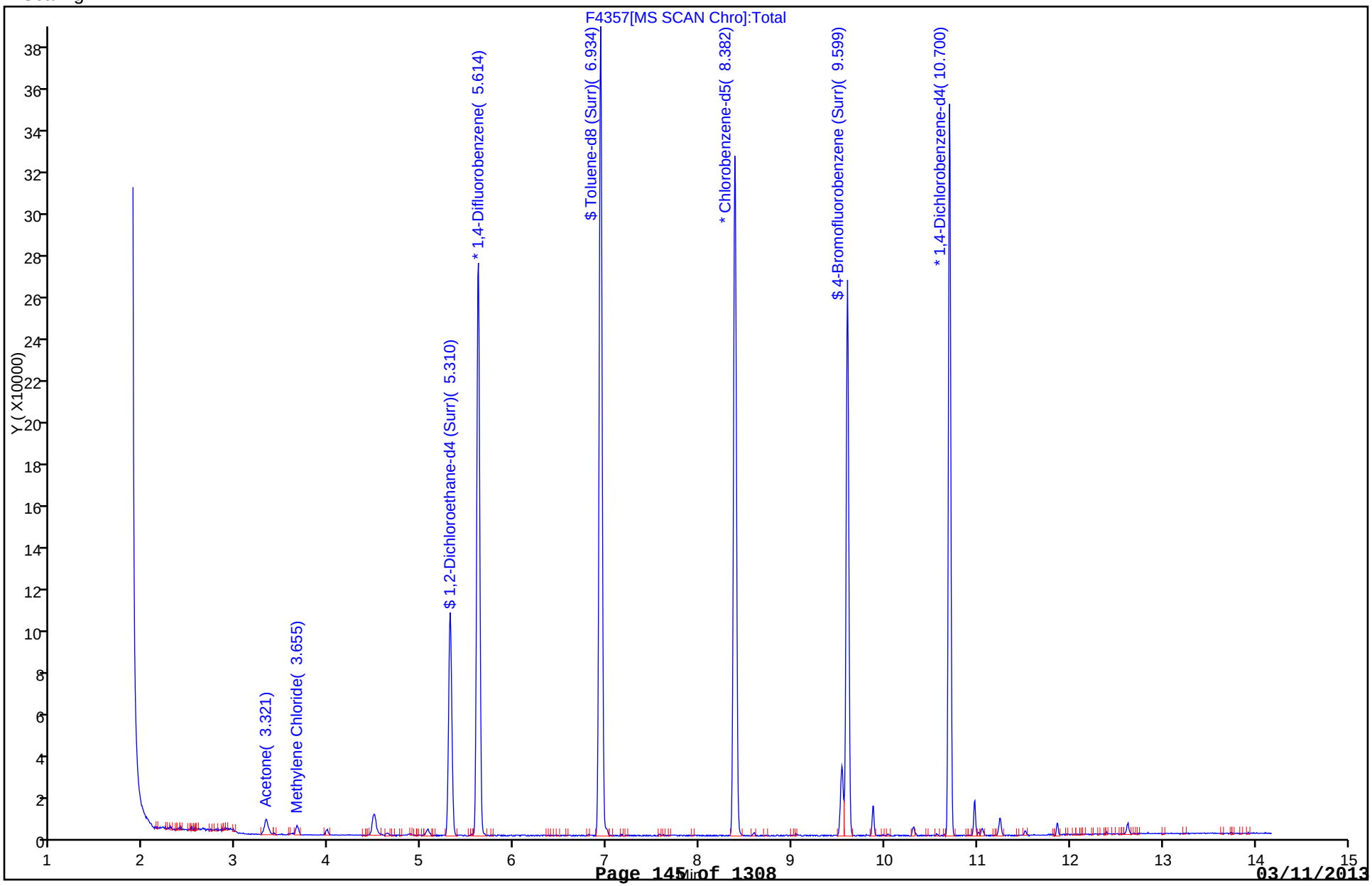
Processing Flags

Report Date: 16-Dec-2012 21:01:57 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973F\20121216-17581.b\F4357.D		
Injection Date:	16-Dec-2012 14:11:30	Limit Group:	MV - 8260MCP_RCP
Client ID:	OC-SB-520-0.0/1.0-XXX	Instrument ID:	HP5973F
Lims Batch ID:	96032	Lims Sample ID:	8
Operator ID:	JMB	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:

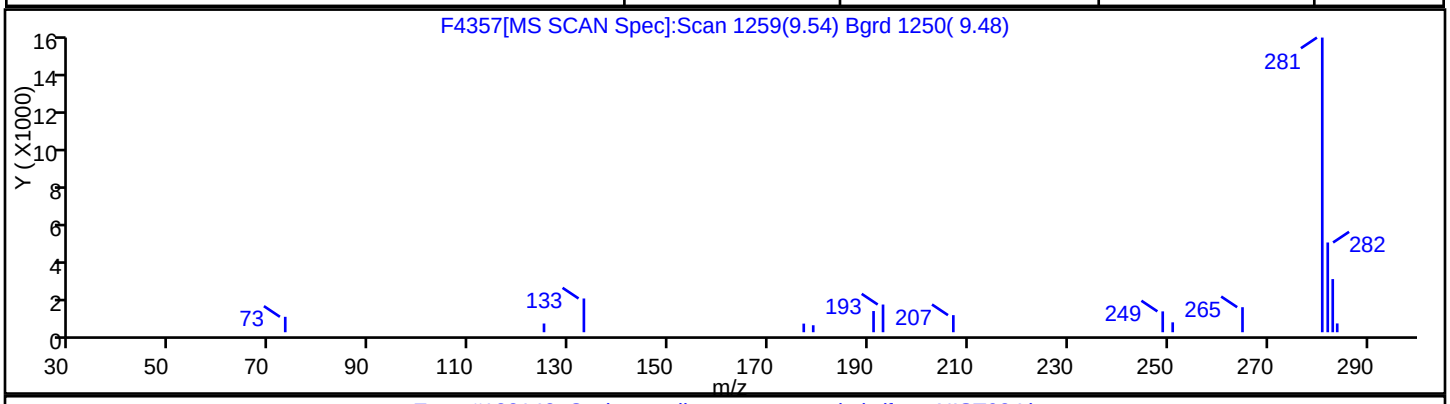


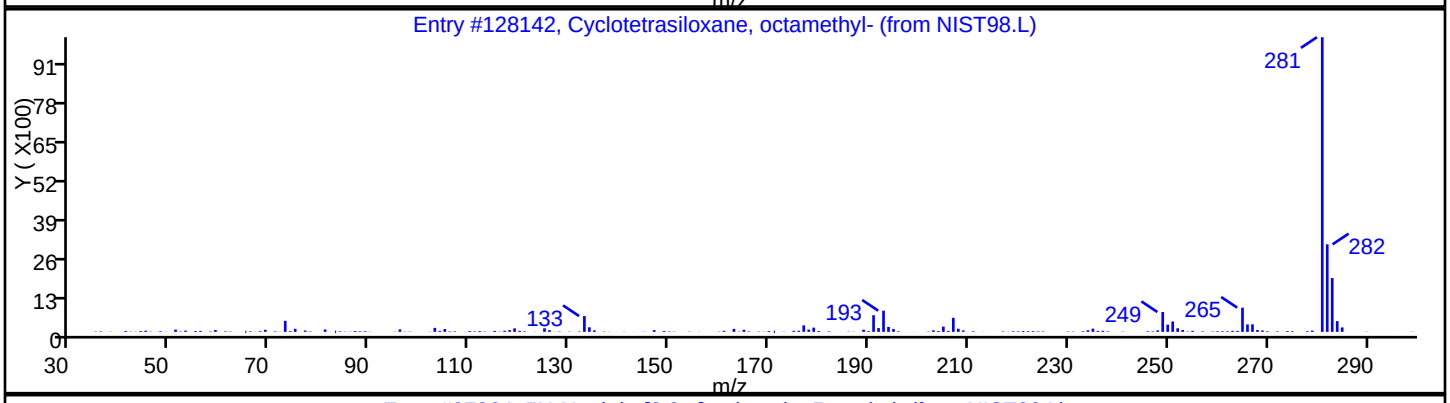
Report Date: 16-Dec-2012 21:01:57 Chrom Revision: 2.0 22-Oct-2012 16:30:48

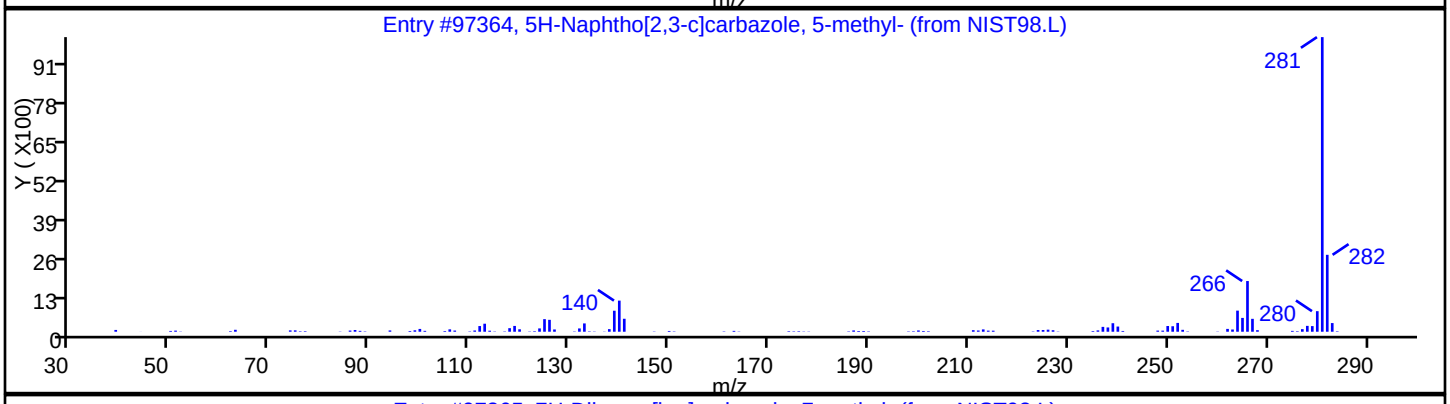
TestAmerica Buffalo

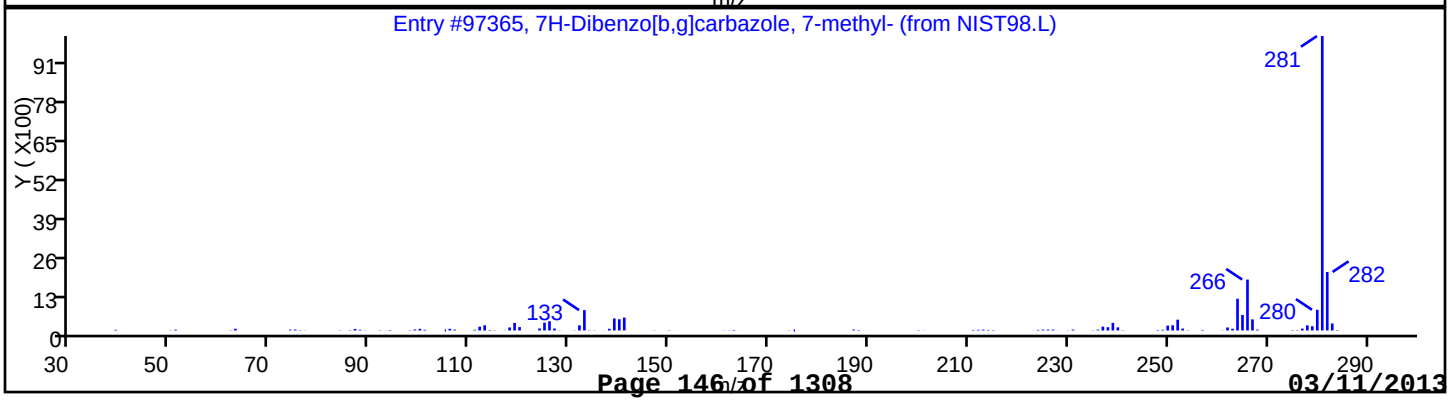
Data File:	\\Bufchrom\ChromData\HP5973F\20121216-17581.b\F4357.D		
Injection Date:	16-Dec-2012 14:11:30	Limit Group:	MV - 8260MCP_RCP
Client ID:	OC-SB-520-0.0/1.0-XXX	Instrument ID:	HP5973F
Lims Batch ID:	96032	Lims Sample ID:	8
Operator ID:	JMB	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Cyclotetrasiloxane, octamethyl-	556-67-2	NIST98.L	128142	90
5H-Naphtho[2,3-c]carbazole, 5-methyl-	100025-44-3	NIST98.L	97364	53
7H-Dibenzo[b,g]carbazole, 7-methyl-	3557-49-1	NIST98.L	97365	50









FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo
Job No.: 480-30197-1
SDG No.:
Client Sample ID: OC-SB-520-8.0/10-XXX
Lab Sample ID: 480-30197-5
Matrix: Solid
Lab File ID: F4358.D
Analysis Method: 8260C
Date Collected: 12/13/2012 08:40
Sample wt/vol: 5.57(g)
Date Analyzed: 12/16/2012 14:37
Soil Aliquot Vol:
Dilution Factor: 1
Soil Extract Vol.:
GC Column: ZB-624 (60) ID: 0.25(mm)
% Moisture: 6.1
Level: (low/med) Low
Analysis Batch No.: 96032
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
107-39-1	2,4,4-Trimethyl-1-pentene	ND		4.8	0.41
107-40-4	2,4,4-Trimethyl-2-pentene	1.4	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)	88		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.: 480-30197-1

SDG No.:

Client Sample ID: OC-SB-520-8.0/10-XXX Lab Sample ID: 480-30197-5

Matrix: Solid Lab File ID: F4358.D

Analysis Method: 8260C Date Collected: 12/13/2012 08:40

Sample wt/vol: 5.57(g) Date Analyzed: 12/16/2012 14:37

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: 6.1 Level: (low/med) Low

Analysis Batch No.: 96032 Units: ug/Kg

Number TICs Found: 1 TIC Result Total: 6.1

CAS NO.	COMPOUND NAME	RT	RESULT	Q
556-67-2	Cyclotetrasiloxane, octamethyl-	9.54	6.1	T J N

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20121216-17581.b\F4358.D
Lims ID: 480-30197-E-5-A Client ID: OC-SB-520-8.0/10-XXX
Inject. Date: 16-Dec-2012 14:37:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 480-30197-E-5-A
Misc. Info.: 480-0017581-009 =480-0017581-009
Operator: JMB Instrument ID: HP5973F
Purge Vol: 5.000 mL ALS Bottle#: 9
Lims Batch ID: 96032 Lims Sample ID: 9
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973F\20121216-17581.b\F-8260 SOIL.m
Last Update: 16-Dec-2012 21:02:22 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: XAWRK014

First Level Reviewer: cwiklinc Date: 16-Dec-2012 21:02:22

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	307169	50.0	
* 2 Chlorobenzene-d5	82	8.382	8.382	0.0	80	136678	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.700	10.700	0.0	92	156970	50.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.304	5.304	0.0	99	48900	43.9	
$ 5 Toluene-d8 (Surr)	98	6.935	6.935	0.0	91	365192	44.3	
$ 6 4-Bromofluorobenzene (Surr)	174	9.599	9.599	0.0	93	127080	43.7	
10 Dichlorodifluoromethane	85		2.001					
12 Chloromethane	50		2.153					
13 Vinyl chloride	62		2.274					
14 Bromomethane	94		2.560					
15 Chloroethane	64		2.633					
17 Trichlorofluoromethane	101		2.846					
18 Ethyl ether	59		3.029					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.230					
22 1,1-Dichloroethene	96		3.254					
23 Acetone	43	3.321	3.309	0.012	80	12117	14.0	
26 Carbon disulfide	76		3.473					
27 Methyl acetate	43		3.528					
30 Methylene Chloride	84	3.662	3.649	0.013	40	2159	0.8130	
32 Methyl tert-butyl ether	73		3.807					
34 trans-1,2-Dichloroethene	96		3.838					
36 Isopropyl ether	45		4.130					
39 1,1-Dichloroethane	63		4.172					
41 Tert-butyl ethyl ether	59		4.410					
43 2-Butanone (MEK)	43	4.623	4.617	0.007	70	4124	2.88	
44 2,2-Dichloropropane	77		4.623					
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		5.140					
55 Carbon tetrachloride	117		5.152					
57 Benzene	78		5.328					
56 Tert-amyl methyl ether	73		5.347					
58 1,2-Dichloroethane	62		5.371					
136 2,4,4-Trimethyl-1-pentene	55		5.742					1
62 Trichloroethene	95		5.851					
135 2,4,4-Trimethyl-2-pentene	97	5.919	5.919	0.0	0	6171	1.49	
64 Methylcyclohexane	83		5.991					
65 1,2-Dichloropropane	63		6.077					
66 1,4-Dioxane	88		6.186					
67 Dibromomethane	93		6.210					
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		7.421					
81 Tetrachloroethene	166		7.524					
82 1,3-Dichloropropane	76		7.585					
80 2-Hexanone	43		7.591					
83 Chlorodibromomethane	129		7.829					
84 Ethylene Dibromide	107		7.962					
87 Chlorobenzene	112		8.413					
88 Ethylbenzene	91		8.473					
89 1,1,1,2-Tetrachloroethane	131		8.492					
90 m-Xylene & p-Xylene	106		8.589					
91 o-Xylene	106		9.027					
92 Styrene	104		9.045					
95 Bromoform	173		9.325					
94 Isopropylbenzene	105		9.386					
97 1,1,2,2-Tetrachloroethane	83		9.757					
101 Bromobenzene	156		9.769					
99 N-Propylbenzene	91		9.800					
100 1,2,3-Trichloropropane	110		9.812					
103 2-Chlorotoluene	126		9.934					
102 1,3,5-Trimethylbenzene	105		9.964					
105 4-Chlorotoluene	126		10.037					
106 tert-Butylbenzene	134		10.280					
107 1,2,4-Trimethylbenzene	105		10.335					
109 sec-Butylbenzene	105		10.481					9
110 4-Isopropyltoluene	119		10.603					
111 1,3-Dichlorobenzene	146		10.645					9
113 1,4-Dichlorobenzene	146		10.724					9
115 n-Butylbenzene	91		10.974					
116 1,2-Dichlorobenzene	146		11.065					9
117 1,2-Dibromo-3-Chloropropane	75		11.740					
119 1,2,4-Trichlorobenzene	180		12.391					
120 Hexachlorobutadiene	225		12.483					
121 Naphthalene	128		12.622					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\20121216-17581.b\F4358.D		
Lims ID:	480-30197-E-5-A	Client ID:	OC-SB-520-8.0/10-XXX
Inject. Date:	16-Dec-2012 14:37:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-30197-E-5-A		
Misc. Info.:	480-0017581-009 =480-0017581-009		
Operator:	JMB	Instrument ID:	HP5973F
Purge Vol:	5.000 mL	ALS Bottle#:	9
Lims Batch ID:	96032	Lims Sample ID:	9
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973F\20121216-17581.b\F-8260 SOIL.m		
Last Update:	16-Dec-2012 21:02:22	Calib Date:	11-Dec-2012 23:36:30
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:	XAWRK014		

First Level Reviewer: cwiklinc Date: 16-Dec-2012 21:02:22

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ug/kg	Flags
Hexane	3.972	1416		

Tentative Identified Compound Results

RT	Response	Amount ug/kg	Quant Cpnd	Qual	Lib Entry	Flags
556-67-2 Cyclotetrasiloxane, octamethyl-						
9.538	97530	6.33	2	86	128142	

Quantitation Compounds

Compound	RT	Response	Amount ug/kg
* 2 Chlorobenzene-d5	8.382	770452	50.0

QC Flag Legend

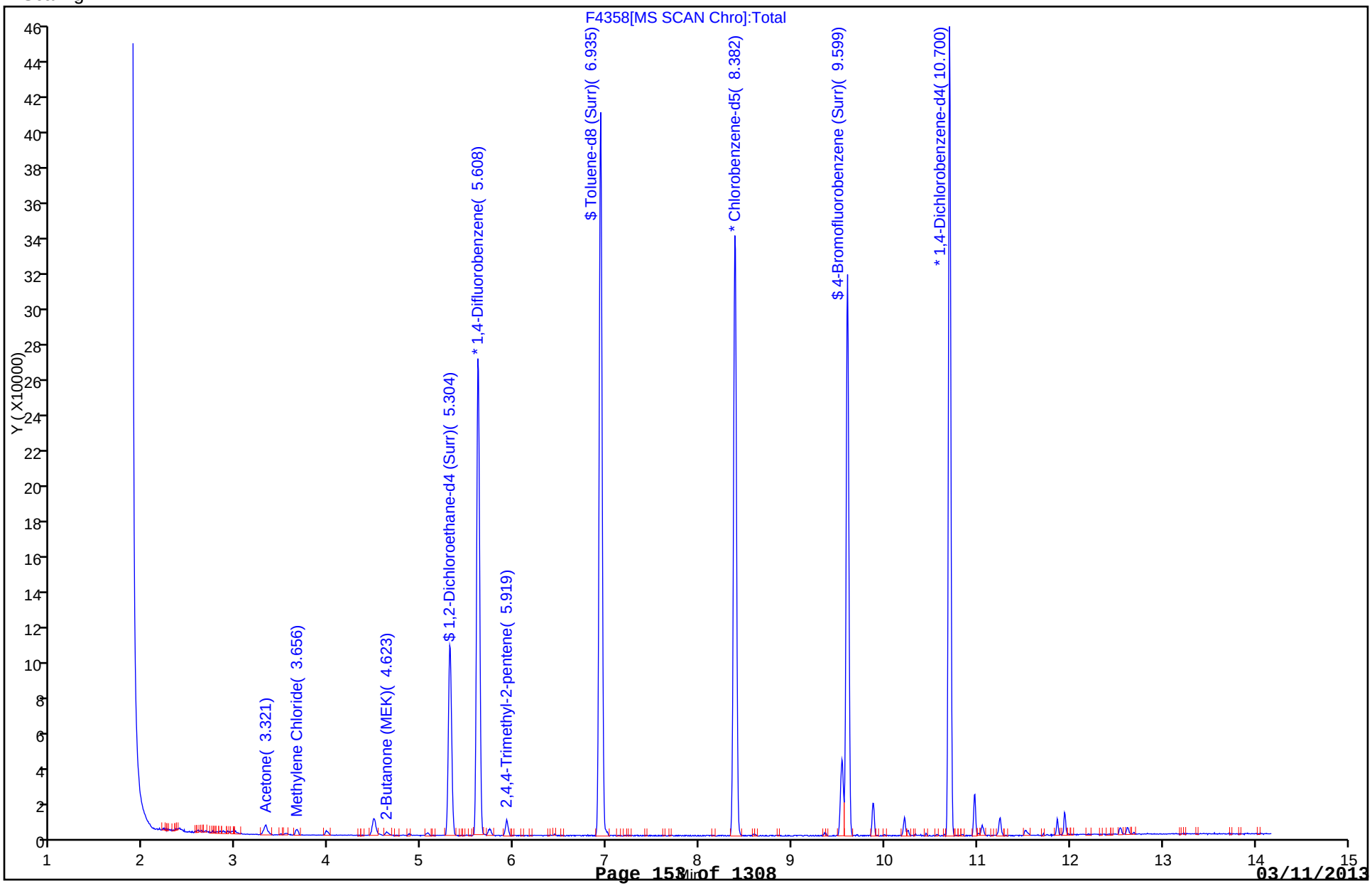
Processing Flags

Report Date: 16-Dec-2012 21:02:22 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973F\20121216-17581.b\F4358.D		
Injection Date:	16-Dec-2012 14:37:30	Limit Group:	MV - 8260MCP_RCP
Client ID:	OC-SB-520-8.0/10-XXX	Instrument ID:	HP5973F
Lims Batch ID:	96032	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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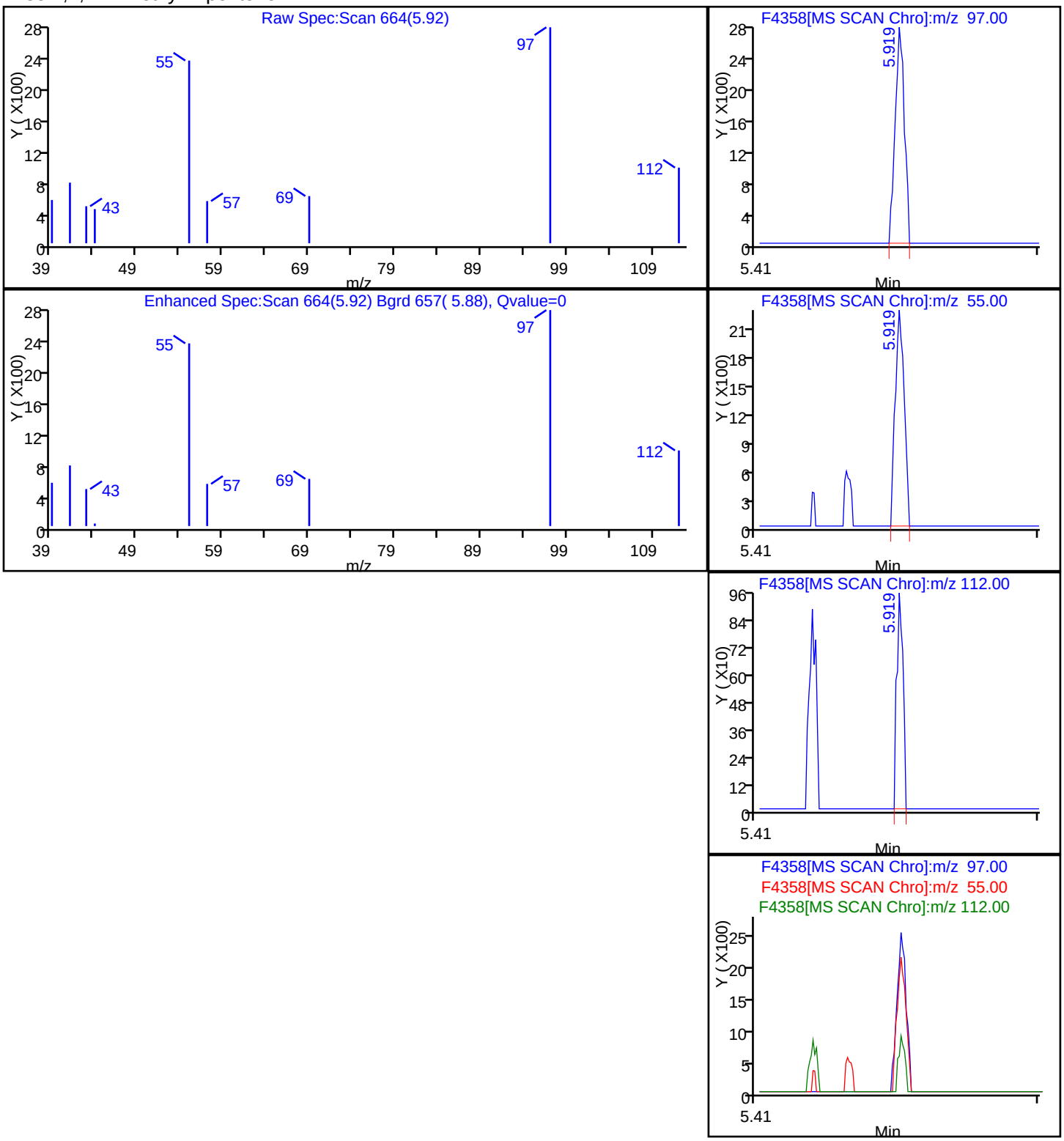
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973F\20121216-17581.b\F4358.D		
Injection Date:	16-Dec-2012 14:37:30	Limit Group:	MV - 8260MCP_RCP
Client ID:	OC-SB-520-8.0/10-XXX	Instrument ID:	HP5973F
Lims Batch ID:	96032	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

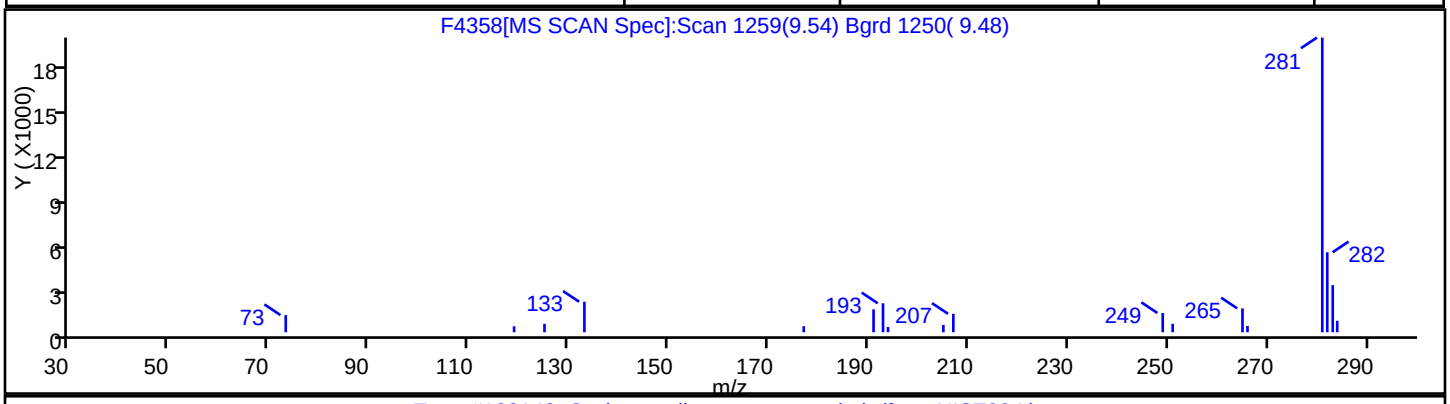


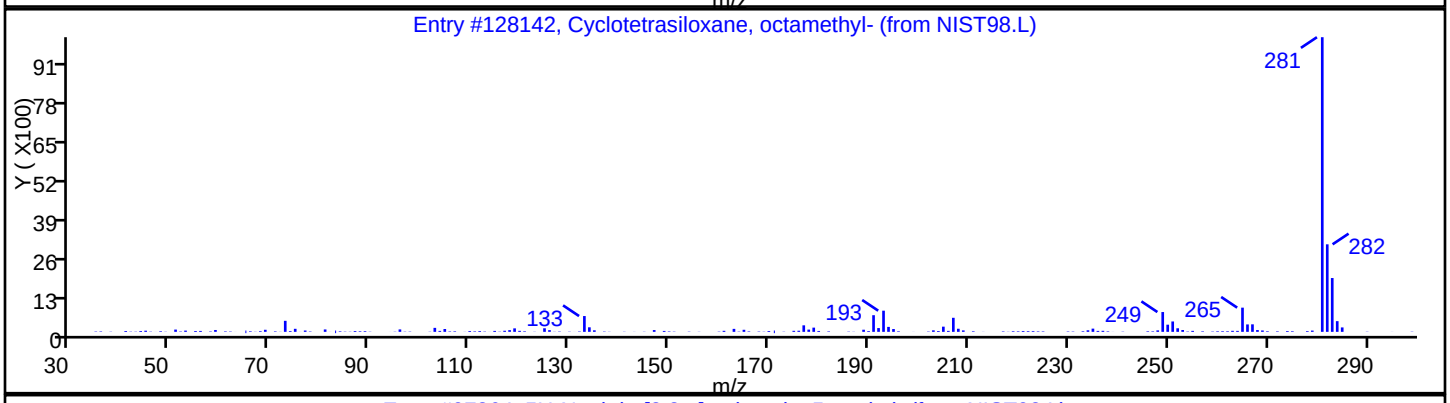
Report Date: 16-Dec-2012 21:02:22 Chrom Revision: 2.0 22-Oct-2012 16:30:48

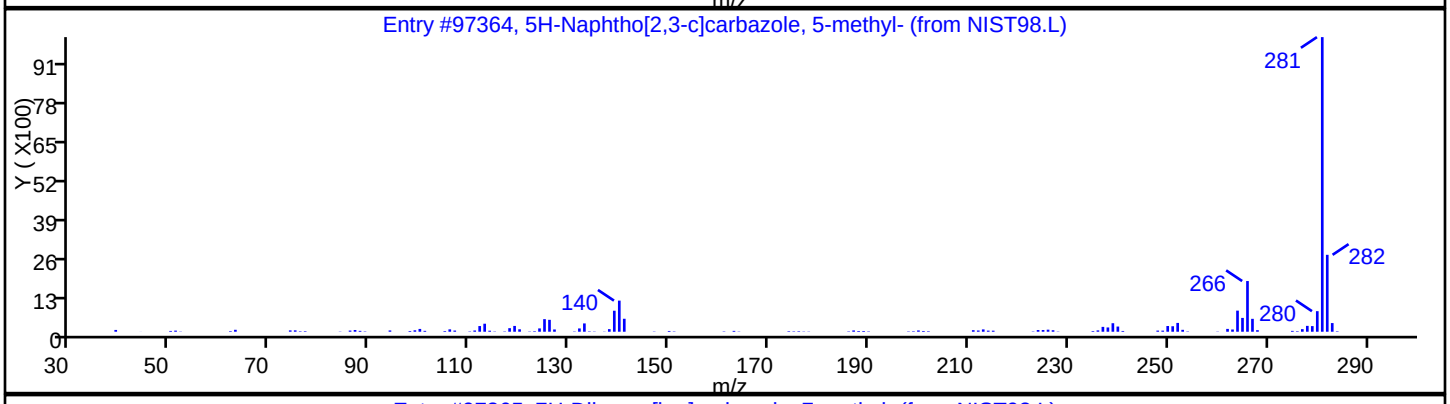
TestAmerica Buffalo

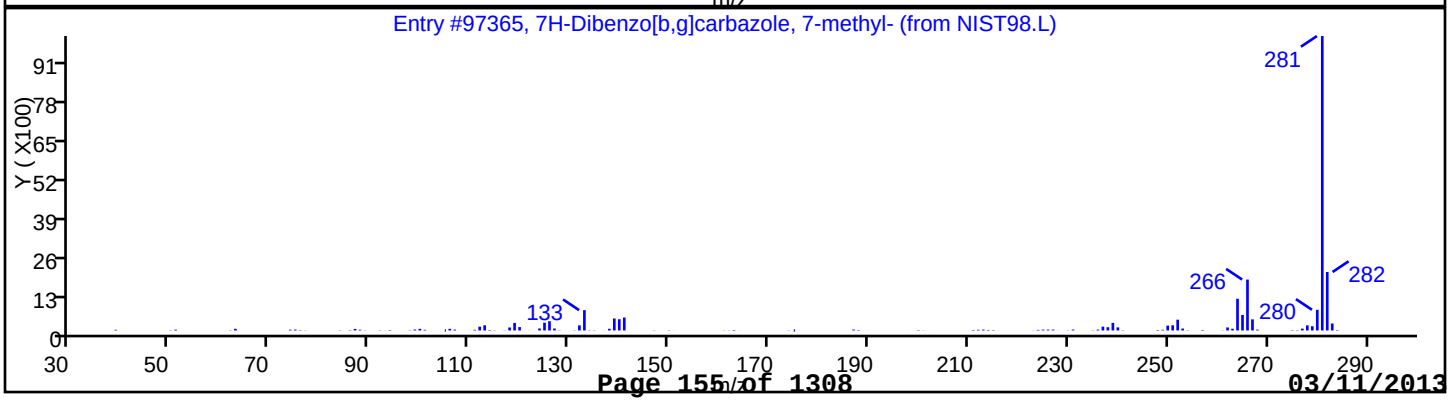
Data File:	\\Bufchrom\ChromData\HP5973F\20121216-17581.b\F4358.D		
Injection Date:	16-Dec-2012 14:37:30	Limit Group:	MV - 8260MCP_RCP
Client ID:	OC-SB-520-8.0/10-XXX	Instrument ID:	HP5973F
Lims Batch ID:	96032	Lims Sample ID:	9
Operator ID:	JMB	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Cyclotetrasiloxane, octamethyl-	556-67-2	NIST98.L	128142	86
5H-Naphtho[2,3-c]carbazole, 5-methyl-	100025-44-3	NIST98.L	97364	53
7H-Dibenzo[b,g]carbazole, 7-methyl-	3557-49-1	NIST98.L	97365	50









FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo
Job No.: 480-30197-1
SDG No.:
Client Sample ID: OC-SB-520-18/20-XXX
Lab Sample ID: 480-30197-6
Matrix: Solid
Lab File ID: F4407.D
Analysis Method: 8260C
Date Collected: 12/13/2012 08:50
Sample wt/vol: 6.24(g)
Date Analyzed: 12/17/2012 23:49
Soil Aliquot Vol:
Dilution Factor: 1
Soil Extract Vol.:
GC Column: ZB-624 (60) ID: 0.25(mm)
% Moisture: 7.4
Level: (low/med) Low
Analysis Batch No.: 96268
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
107-39-1	2,4,4-Trimethyl-1-pentene	1.4	J	4.3	0.37
107-40-4	2,4,4-Trimethyl-2-pentene	1.1	J	4.3	0.46

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	89		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		70-130
460-00-4	4-Bromofluorobenzene (Surr)	88		70-130

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

Lab Name: TestAmerica Buffalo Job No.: 480-30197-1

SDG No.:

Client Sample ID: OC-SB-520-18/20-XXX Lab Sample ID: 480-30197-6

Matrix: Solid Lab File ID: F4407.D

Analysis Method: 8260C Date Collected: 12/13/2012 08:50

Sample wt/vol: 6.24(g) Date Analyzed: 12/17/2012 23:49

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: 7.4 Level: (low/med) Low

Analysis Batch No.: 96268 Units: ug/Kg

Number TICs Found: 1 TIC Result Total: 5.7

CAS NO.	COMPOUND NAME	RT	RESULT	Q
556-67-2	Cyclotetrasiloxane, octamethyl-	9.54	5.7	T J N

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973F\20121217-17632.b\F4407.D		
Lims ID:	480-30197-D-6-A	Client ID:	OC-SB-520-18/20-XXX
Inject. Date:	17-Dec-2012 23:49:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-30197-D-6-A		
Misc. Info.:	480-0017632-009 =480-0017632-009		
Operator:	CDC	Instrument ID:	HP5973F
Purge Vol:	5.000 mL	ALS Bottle#:	1
Lims Batch ID:	96268	Lims Sample ID:	9
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973F\20121217-17632.b\F-8260 SOIL.m		
Last Update:	18-Dec-2012 12:18:45	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:	XAWRK009		

First Level Reviewer: ByrnesJ Date: 18-Dec-2012 12:12:23

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.614	5.614	0.0	93	379782	50.0	
* 2 Chlorobenzene-d5	82	8.382	8.382	0.0	80	167593	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.700	10.700	0.0	92	187961	50.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.310	5.304	0.006	99	60496	48.3	
$ 5 Toluene-d8 (Surr)	98	6.935	6.934	0.001	82	431893	44.6	
$ 6 4-Bromofluorobenzene (Surr)	174	9.599	9.599	0.0	92	146101	43.8	
10 Dichlorodifluoromethane	85		2.001					
12 Chloromethane	50		2.159					
13 Vinyl chloride	62		2.274					
14 Bromomethane	94		2.554					
15 Chloroethane	64		2.633					
17 Trichlorofluoromethane	101		2.858					
18 Ethyl ether	59		3.041					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.230					
22 1,1-Dichloroethene	96		3.260					
23 Acetone	43	3.321	3.309	0.012	67	10003	10.9	
26 Carbon disulfide	76		3.479					
27 Methyl acetate	43		3.534					9
30 Methylene Chloride	84	3.655	3.655	0.0	62	5982	2.27	
32 Methyl tert-butyl ether	73		3.807					
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					
44 2,2-Dichloropropane	77		4.629					
45 cis-1,2-Dichloroethene	96		4.635					
48 Chlorobromomethane	128		4.848					
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		5.334					
56 Tert-amyl methyl ether	73		5.347					
58 1,2-Dichloroethane	62		5.371					
136 2,4,4-Trimethyl-1-pentene	55	5.730	5.742	-0.012	0	4625	1.64	
62 Trichloroethene	95		5.858					
135 2,4,4-Trimethyl-2-pentene	97	5.925	5.918	0.007	0	6047	1.24	
64 Methylcyclohexane	83		5.991					
65 1,2-Dichloropropane	63		6.077					
66 1,4-Dioxane	88		6.180					
67 Dibromomethane	93		6.217					
68 Dichlorobromomethane	83		6.326					
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		7.598					9
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		8.589					9
91 o-Xylene	106		9.021					
92 Styrene	104		9.045					9
95 Bromoform	173		9.325					
94 Isopropylbenzene	105		9.386					
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
105 4-Chlorotoluene	126		10.037					
99 N-Propylbenzene	91		10.037					9
106 tert-Butylbenzene	134		10.280					
107 1,2,4-Trimethylbenzene	105		10.329					
109 sec-Butylbenzene	105		10.481					9
110 4-Isopropyltoluene	119		10.603					
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		11.740					
119 1,2,4-Trichlorobenzene	180		12.391					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					

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

TestAmerica Buffalo
Tentatively Identified Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973F\20121217-17632.b\F4407.D		
Lims ID:	480-30197-D-6-A	Client ID:	OC-SB-520-18/20-XXX
Inject. Date:	17-Dec-2012 23:49:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-30197-D-6-A		
Misc. Info.:	480-0017632-009 =480-0017632-009		
Operator:	CDC	Instrument ID:	HP5973F
Purge Vol:	5.000 mL	ALS Bottle#:	1
Lims Batch ID:	96268	Lims Sample ID:	9
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973F\20121217-17632.b\F-8260 SOIL.m		
Last Update:	18-Dec-2012 12:18:45	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:	XAWRK009		
First Level Reviewer: ByrnesJ		Date:	18-Dec-2012 12:12:23

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ug/kg	Flags
Hexane	3.972	4551		

Tentative Identified Compound Results

RT	Response	Amount ug/kg	Quant Cpnd	Qual	Lib Entry	Flags
556-67-2 Cyclotetrasiloxane, octamethyl-						
9.538	124466	6.58	2	87	128142	

Quantitation Compounds

Compound	RT	Response	Amount ug/kg
* 2 Chlorobenzene-d5	8.382	945175	50.0

QC Flag Legend

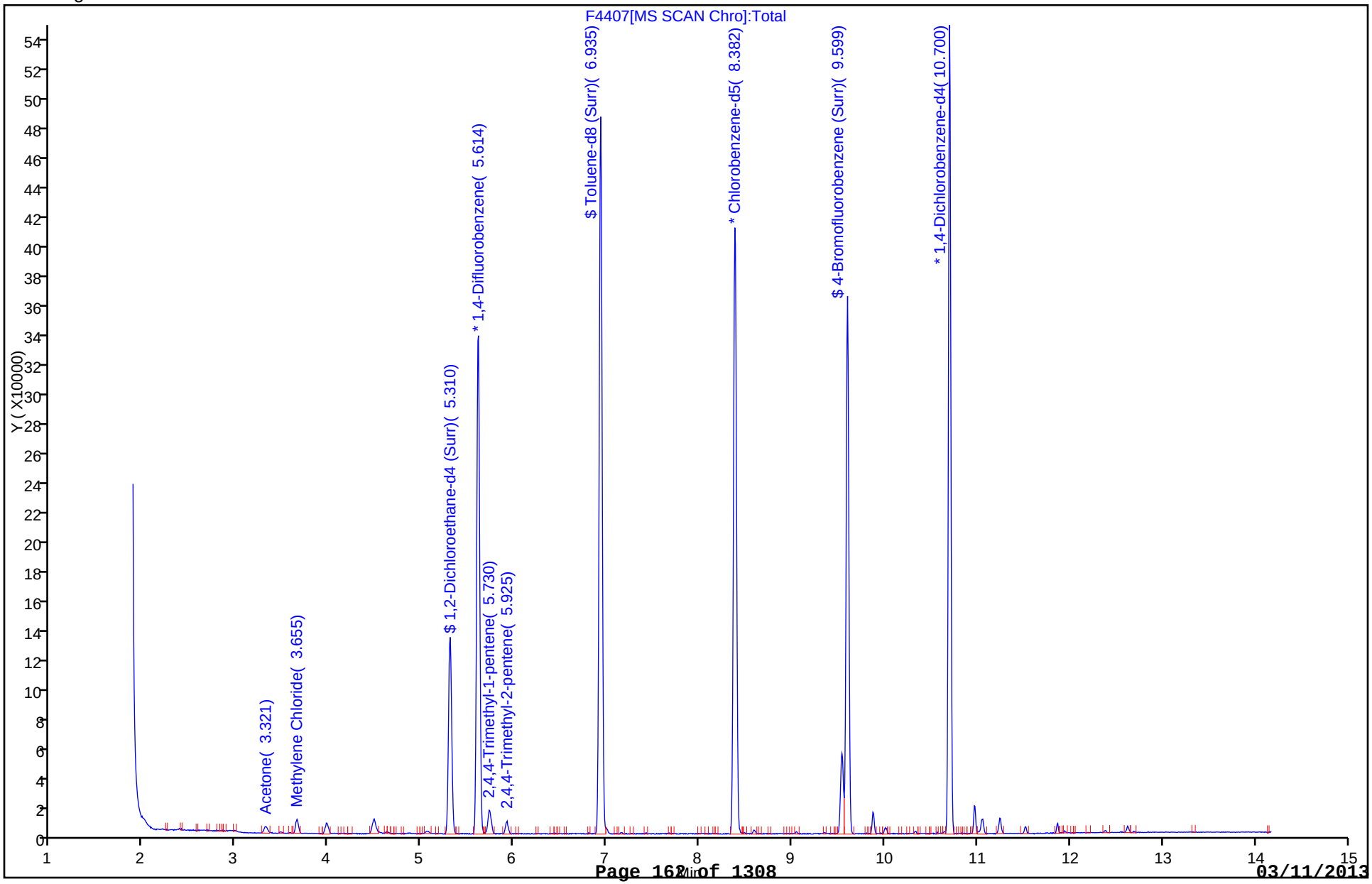
Processing Flags

Report Date: 19-Dec-2012 13:19:36 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973F\20121217-17632.b\F4407.D		
Injection Date:	17-Dec-2012 23:49:30	Limit Group:	MV - 8260MCP_RCP
Client ID:	OC-SB-520-18/20-XXX	Instrument ID:	HP5973F
Lims Batch ID:	96268	Lims Sample ID:	9
Operator ID:	CDC	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:

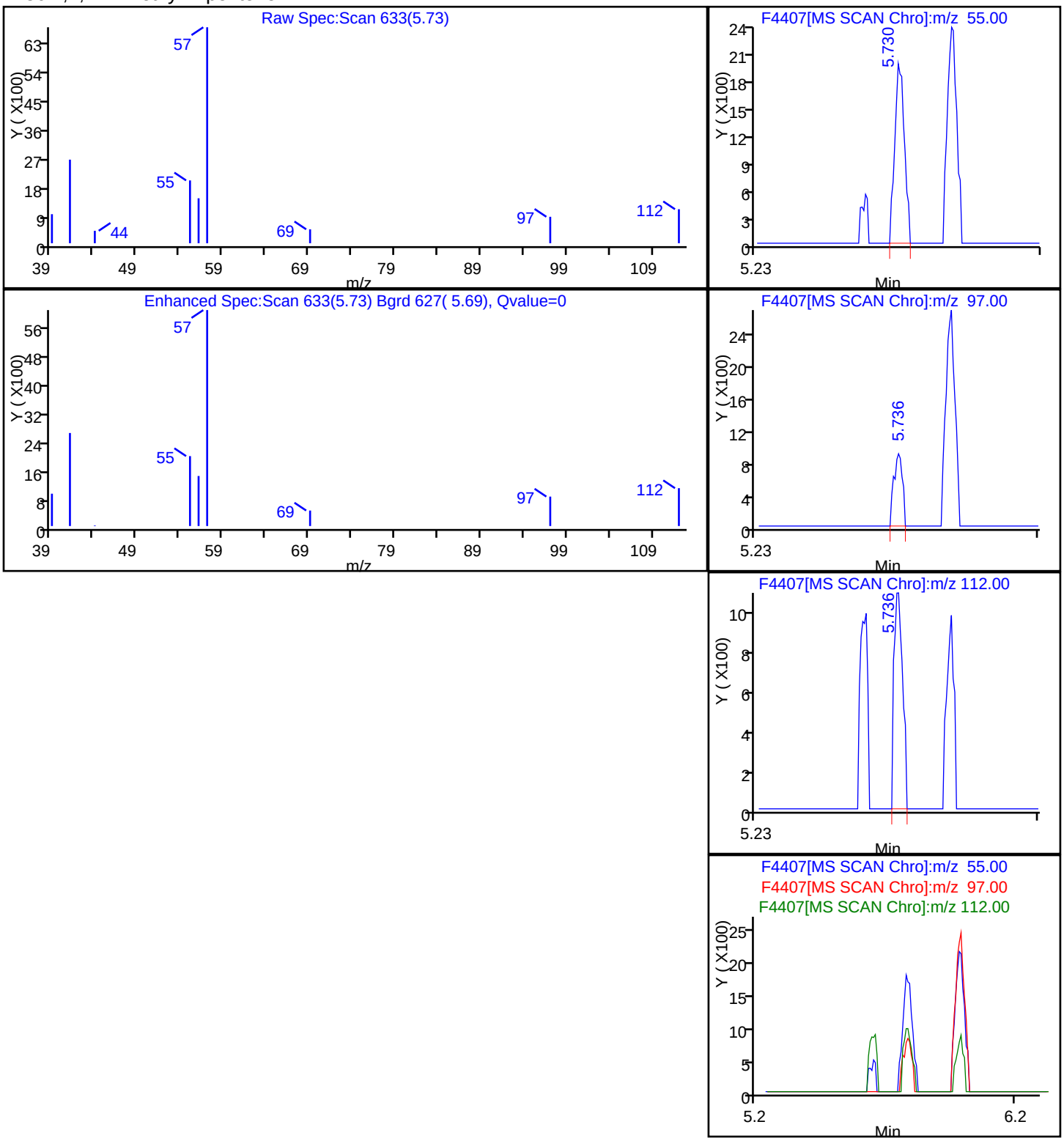


Report Date: 19-Dec-2012 13:19:36 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973F\20121217-17632.b\F4407.D		
Injection Date:	17-Dec-2012 23:49:30	Limit Group:	MV - 8260MCP_RCP
Client ID:	OC-SB-520-18/20-XXX	Instrument ID:	HP5973F
Lims Batch ID:	96268	Lims Sample ID:	9
Operator ID:	CDC	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

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

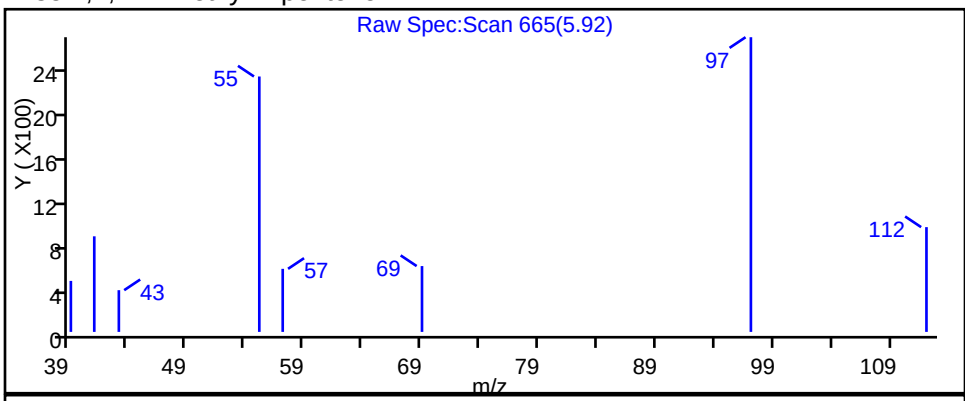


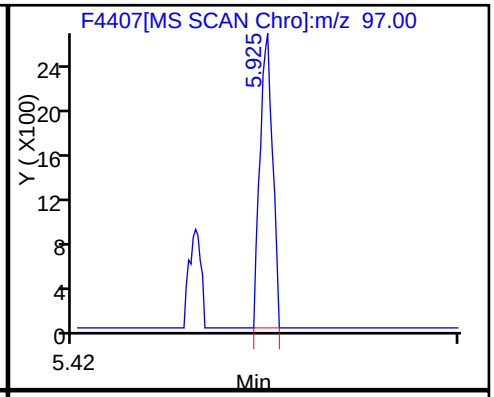
Report Date: 19-Dec-2012 13:19:36 Chrom Revision: 2.0 22-Oct-2012 16:30:48

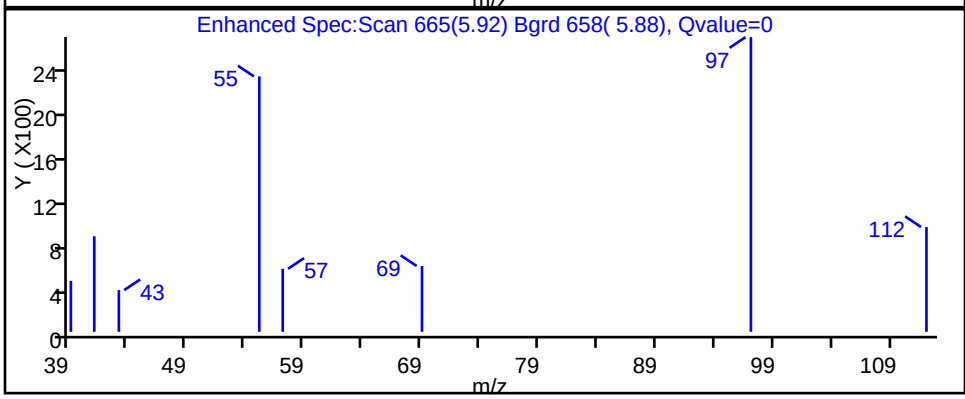
TestAmerica Buffalo

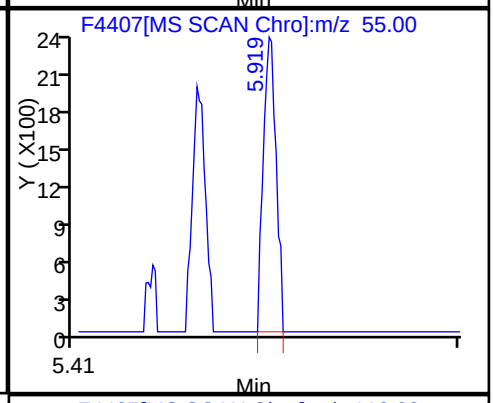
Data File:	\\Bufchrom\ChromData\HP5973F\20121217-17632.b\F4407.D		
Injection Date:	17-Dec-2012 23:49:30	Limit Group:	MV - 8260MCP_RCP
Client ID:	OC-SB-520-18/20-XXX	Instrument ID:	HP5973F
Lims Batch ID:	96268	Lims Sample ID:	9
Operator ID:	CDC	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

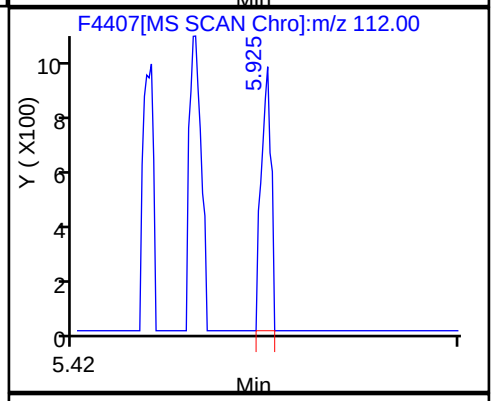
135 2,4,4-Trimethyl-2-pentene

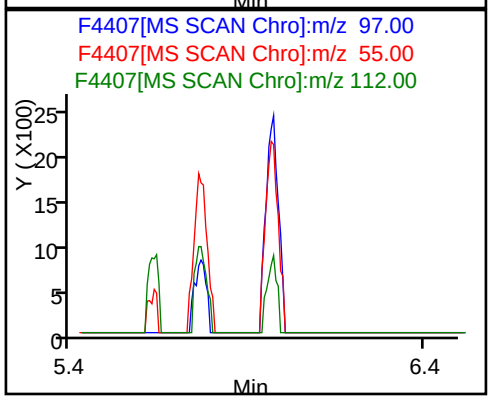










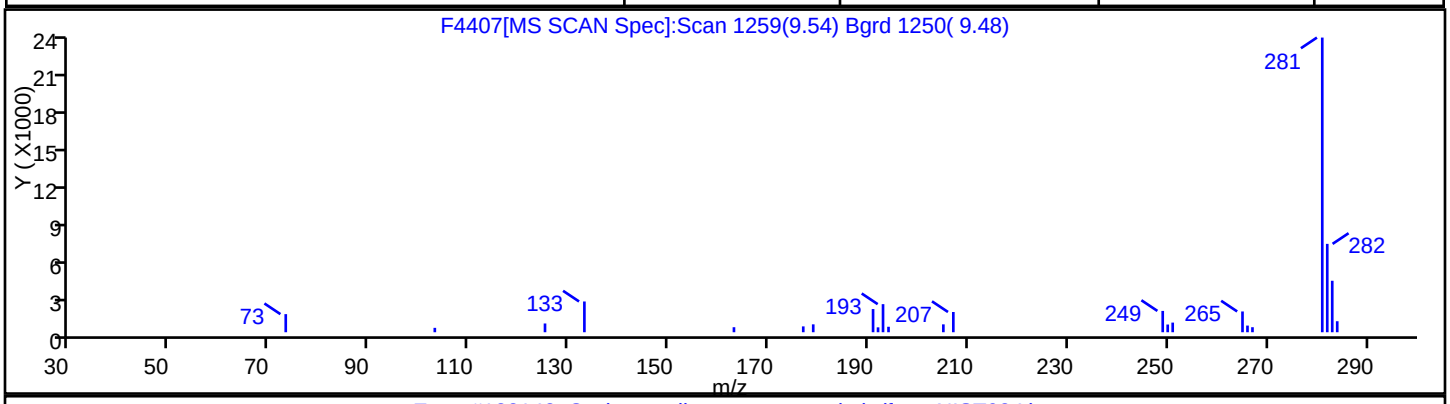


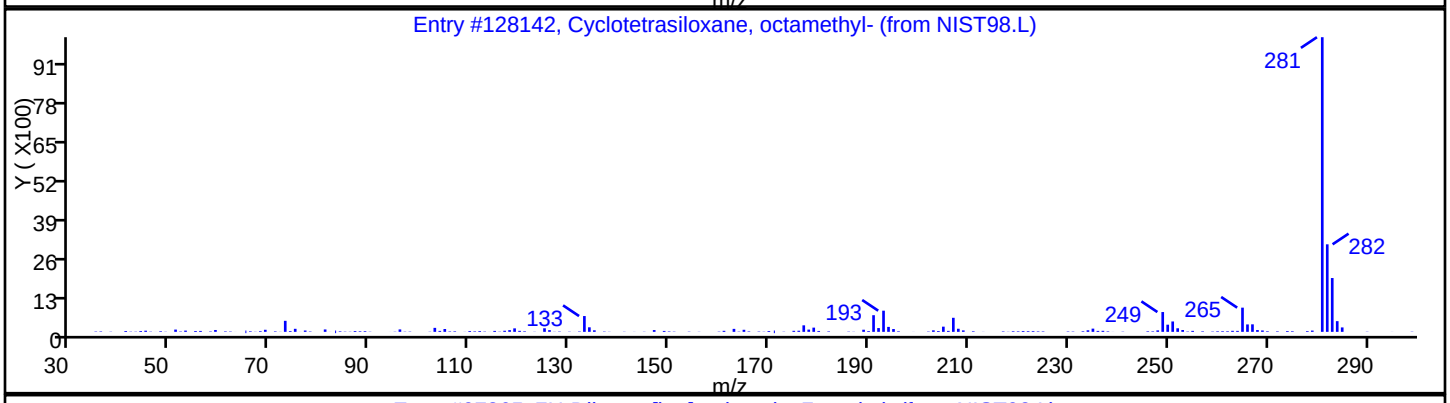
Report Date: 19-Dec-2012 13:19:36 Chrom Revision: 2.0 22-Oct-2012 16:30:48

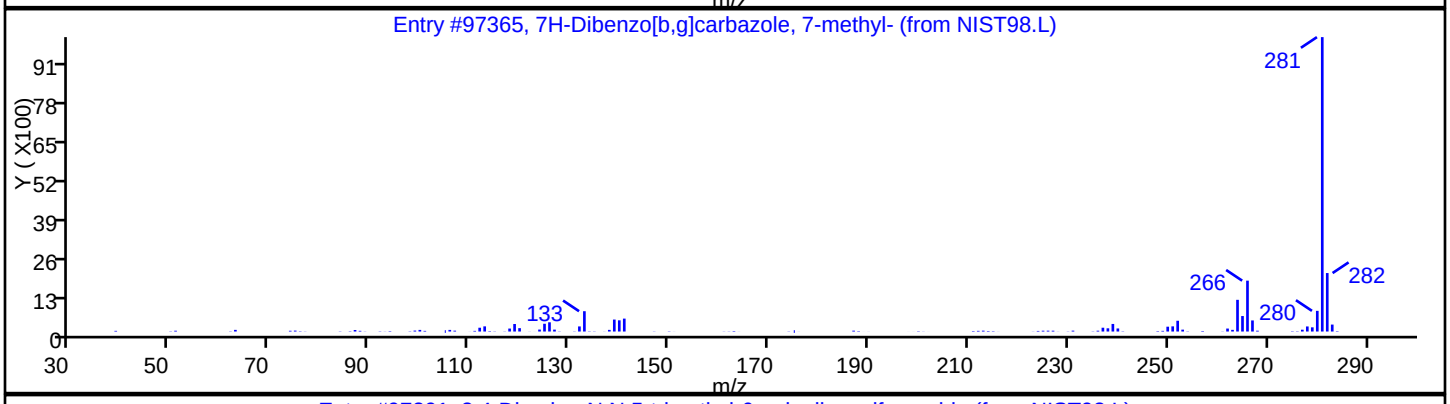
TestAmerica Buffalo

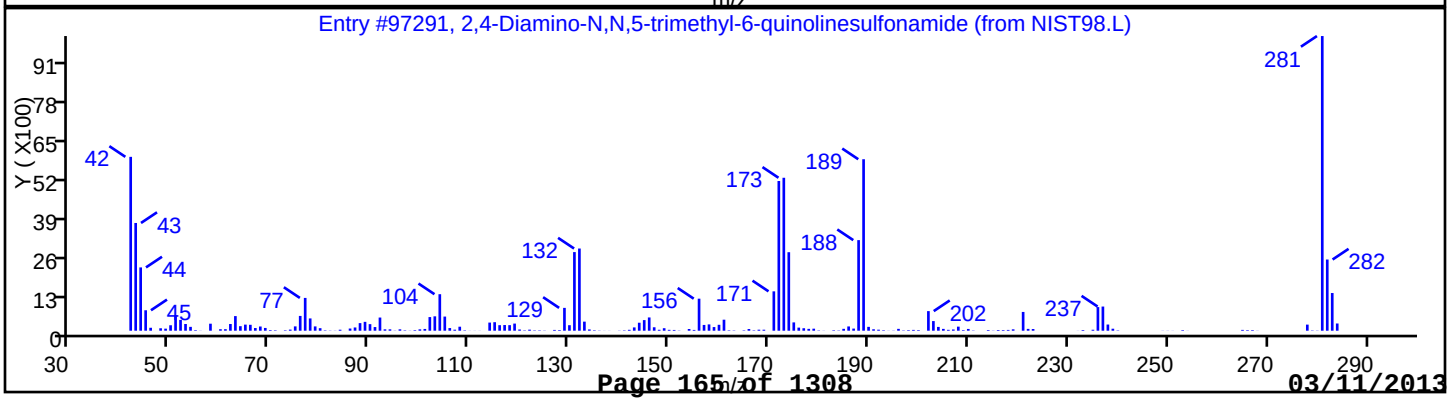
Data File:	\\Bufchrom\ChromData\HP5973F\20121217-17632.b\F4407.D		
Injection Date:	17-Dec-2012 23:49:30	Limit Group:	MV - 8260MCP_RCP
Client ID:	OC-SB-520-18/20-XXX	Instrument ID:	HP5973F
Lims Batch ID:	96268	Lims Sample ID:	9
Operator ID:	CDC	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Cyclotetrasiloxane, octamethyl-	556-67-2	NIST98.L	128142	87
7H-Dibenzo[b,g]carbazole, 7-methyl-	3557-49-1	NIST98.L	97365	64
2,4-Diamino-N,N,5-trimethyl-6-quinolines	1000227-25-1	NIST98.L	97291	42









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

Lab Name: TestAmerica Buffalo Job No.: 480-30197-1 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 15:52 Calibration End Date: 12/11/2012 18:24 Calibration ID: 11592

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 480-95189/3	F4222.D
Level 2	STD2 480-95189/4	F4223.D
Level 3	STD3 480-95189/5	F4224.D
Level 4	STD4 480-95189/6	F4225.D
Level 5	STD5 480-95189/7	F4226.D
Level 6	STD6 480-95189/8	F4227.D
Level 7	STD7 480-95189/9	F4228.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	0.2302 0.3028	0.2532 0.3023	0.2190	0.2867	0.2472	Ave		0.2631			0.1000	13.0		15.0			
Chloromethane	0.3209 0.2866	0.3130 0.2763	0.2799	0.3110	0.3043	Ave		0.2989			0.0500	5.9		15.0			
Vinyl chloride	0.2438 0.2913	0.2937 0.2797	0.2558	0.3042	0.2861	Ave		0.2792			0.1000	7.8		15.0			
Bromomethane	0.2306 0.0938	0.0963 0.1056	0.0877	0.0917	0.0953	Lin	-0.189	0.1042			0.0500				0.9960		0.9900
Chloroethane	0.1618 0.0961	0.0816 0.1062	0.0853	0.0945	0.0964	Lin1	0.0201	0.1009			0.1000				0.9930		0.9900
Trichlorofluoromethane	0.3154 0.3449	0.3134 0.3580	0.2711	0.3464	0.3082	Ave		0.3225			0.1000	9.2		15.0			
Acrolein	0.0685 0.0632	0.0649 0.0591	0.0615	0.0624	0.0617	Ave		0.0631				4.7		15.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	0.2324 0.3124	0.2660 0.3301	0.2599	0.2894	0.2908	Ave		0.2830			0.1000	12.0		15.0			
1,1-Dichloroethene	0.2796 0.3378	0.3303 0.3358	0.2896	0.3412	0.3268	Ave		0.3202			0.1000	7.8		15.0			
Acetone	0.1837 0.1424	0.1338 0.1316	0.1306	0.1362	0.1309	Ave		0.1413			0.0500	14.0		15.0			
Iodomethane	0.4937 0.5207	0.4867 0.5328	0.4879	0.5024	0.5204	Ave		0.5064				3.6		15.0			
Carbon disulfide	0.8949 1.0321	0.9369 1.0733	0.9072	0.9907	1.0152	Ave		0.9786			0.1000	6.9		15.0			
Methyl acetate	0.5269 0.4986	0.5176 0.4678	0.4844	0.4843	0.4883	Ave		0.4954			0.1000	4.2		15.0			
Acetonitrile	0.0372 0.0317	0.0329 0.0301	0.0308	0.0319	0.0309	Ave		0.0322				7.3		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.: 480-30197-1 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 15:52 Calibration End Date: 12/11/2012 18:24 Calibration ID: 11592

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	0.5443 0.3900	0.5098 0.3759	0.3981	0.4121	0.3956	Ave		0.4322			0.1000	15.0		15.0			
Methyl tert-butyl ether	0.9897 1.0725	1.0282 1.0444	0.9954	1.0404	1.0510	Ave		1.0317			0.1000	2.9		15.0			
trans-1,2-Dichloroethene	0.3607 0.3950	0.4073 0.3845	0.3541	0.4025	0.3933	Ave		0.3853			0.1000	5.3		15.0			
Acrylonitrile	0.1716 0.1848	0.1781 0.1721	0.1707	0.1776	0.1745	Ave		0.1756				2.8		15.0			
Vinyl acetate	0.7486 0.7207	0.7779 0.6456	0.7361	0.7350	0.7288	Ave		0.7275				5.6		15.0			
1,1-Dichloroethane	0.6327 0.6196	0.6656 0.5912	0.5842	0.6446	0.6292	Ave		0.6239			0.2000	4.6		15.0			
2-Butanone (MEK)	0.2428 0.2409	0.2387 0.2173	0.2289	0.2337	0.2269	Ave		0.2327			0.0500	3.9		15.0			
2,2-Dichloropropane	0.4511 0.4942	0.5050 0.4807	0.4366	0.4988	0.4888	Ave		0.4793				5.4		15.0			
cis-1,2-Dichloroethene	0.4178 0.4270	0.4481 0.4122	0.3905	0.4240	0.4303	Ave		0.4214			0.1000	4.2		15.0			
Chlorobromomethane	0.1996 0.2297	0.2323 0.2230	0.2103	0.2260	0.2273	Ave		0.2212				5.4		15.0			
Tetrahydrofuran	0.1584 0.1621	0.1587 0.1467	0.1505	0.1563	0.1521	Ave		0.1550				3.5		15.0			
Chloroform	0.6115 0.6128	0.6272 0.5916	0.5630	0.6137	0.6139	Ave		0.6048			0.2000	3.5		15.0			
1,1,1-Trichloroethane	0.4818 0.5432	0.5159 0.5394	0.4639	0.5385	0.5353	Ave		0.5169			0.1000	6.1		15.0			
Cyclohexane	0.5026 0.6425	0.5484 0.6654	0.5312	0.5929	0.6006	Ave		0.5834			0.1000	10.0		15.0			
1,1-Dichloropropene	0.3957 0.4892	0.4656 0.4829	0.4097	0.4858	0.4736	Ave		0.4575				8.4		15.0			
Carbon tetrachloride	0.3846 0.5058	0.4472 0.5062	0.4004	0.4743	0.4724	Ave		0.4558			0.1000	11.0		15.0			
Benzene	1.4265 1.4652	1.4900 1.4164	1.3349	1.4641	1.4677	Ave		1.4378			0.5000	3.6		15.0			
1,2-Dichloroethane	0.4071 0.4688	0.4762 0.4444	0.4405	0.4594	0.4641	Ave		0.4515			0.1000	5.2		15.0			
Trichloroethene	0.3750 0.3989	0.4050 0.3958	0.3585	0.3921	0.3922	Ave		0.3882			0.2000	4.1		15.0			
Methylcyclohexane	0.4715 0.6791	0.5546 0.7109	0.5427	0.6109	0.6225	Ave		0.5989			0.1000	14.0		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.: 480-30197-1 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 15:52 Calibration End Date: 12/11/2012 18:24 Calibration ID: 11592

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	0.3280 0.3730	0.3756 0.3648	0.3384	0.3649	0.3661	Ave		0.3587			0.1000	5.1		15.0			
Dibromomethane	0.1915 0.2314	0.2177 0.2216	0.2062	0.2179	0.2250	Ave		0.2159				6.1		15.0			
Dichlorobromomethane	0.3966 0.4702	0.4319 0.4639	0.4009	0.4311	0.4532	Ave		0.4354			0.1000	6.7		15.0			
2-Chloroethyl vinyl ether	0.2250 0.2687	0.2564 0.2531	0.2496	0.2571	0.2622	Ave		0.2532				5.5		15.0			
cis-1,3-Dichloropropene	0.5091 0.5971	0.5621 0.5857	0.5188	0.5600	0.5796	Ave		0.5589			0.2000	6.0		15.0			
4-Methyl-2-pentanone (MIBK)	1.0450 1.0752	1.0844 0.9586	1.0240	1.0573	1.0181	Ave		1.0375			0.0500	4.1		15.0			
Toluene	2.2013 2.2801	2.3176 2.2180	2.0556	2.2341	2.2311	Ave		2.2197			0.4000	3.7		15.0			
Ethyl methacrylate	1.0033 1.2630	1.1842 1.2278	1.0946	1.1609	1.1846	Ave		1.1598				7.5		15.0			
trans-1,3-Dichloropropene	1.0529 1.2462	1.1366 1.2009	1.0791	1.1582	1.1855	Ave		1.1514			0.1000	5.9		15.0			
1,1,2-Trichloroethane	0.5564 0.6503	0.6204 0.6260	0.5773	0.6211	0.6200	Ave		0.6102			0.1000	5.2		15.0			
Tetrachloroethene	0.9138 1.0696	1.0407 1.0622	0.9360	1.0460	1.0298	Ave		1.0140			0.1000	6.2		15.0			
1,3-Dichloropropane	1.1895 1.2996	1.3094 1.2251	1.1740	1.2746	1.2811	Ave		1.2505				4.3		15.0			
2-Hexanone	0.7690 0.7979	0.7876 0.7087	0.7489	0.7834	0.7469	Ave		0.7632			0.0500	4.0		15.0			
Chlorodibromomethane	0.7377 0.9817	0.7812 0.9755	0.7691	0.8471	0.9080	Ave		0.8572			0.1000	12.0		15.0			
Ethylene Dibromide	0.7684 0.9235	0.8790 0.8847	0.8095	0.8756	0.8777	Ave		0.8598			0.1000	6.1		15.0			
Chlorobenzene	2.6283 2.7495	2.7614 2.6712	2.4832	2.6747	2.7034	Ave		2.6674			0.5000	3.5		15.0			
Ethylbenzene	4.0698 4.1833	4.2898 4.0103	3.8155	4.2306	4.1625	Ave		4.1088			0.1000	3.9		15.0			
1,1,1,2-Tetrachloroethane	0.8411 0.9766	0.9096 0.9537	0.8347	0.9265	0.9511	Ave		0.9133				6.1		15.0			
m-Xylene & p-Xylene	1.6783 1.7775	1.8283 1.6894	1.6185	1.8012	1.7572	Ave		1.7358			0.1000	4.4		15.0			
o-Xylene	1.6424 1.7588	1.7630 1.6823	1.5726	1.7459	1.7276	Ave		1.6989			0.3000	4.2		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.: 480-30197-1 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 15:52 Calibration End Date: 12/11/2012 18:24 Calibration ID: 11592

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	2.6761 2.9498	2.8766 2.8306	2.6437	2.9107	2.8999	Ave		2.8268			0.3000	4.2		15.0			
Bromoform	0.4237 0.6979	0.5002 0.6905	0.5040	0.5610	0.6239	Lin1	-1.026	0.6867			0.1000				0.9980		0.9900
Isopropylbenzene	3.6492 3.9149	3.9916 3.8298	3.5449	3.8864	3.8828	Ave		3.8142			0.1000	4.2		15.0			
1,1,2,2-Tetrachloroethane	0.8888 1.0458	0.9796 0.9813	0.9463	0.9838	0.9984	Ave		0.9749			0.3000	4.9		15.0			
Bromobenzene	1.0448 1.1181	1.1415 1.0884	1.0395	1.0945	1.1150	Ave		1.0917				3.5		15.0			
N-Propylbenzene	4.3221 4.4512	4.6757 4.1139	4.1840	4.5636	4.4735	Ave		4.3977				4.6		15.0			
trans-1,4-Dichloro-2-butene	0.2415 0.2759	0.2659 0.2529	0.2554	0.2636	0.2669	Ave		0.2603				4.3		15.0			
1,2,3-Trichloropropane	0.2755 0.3319	0.3315 0.3020	0.3056	0.3253	0.3246	Ave		0.3138				6.6		15.0			
2-Chlorotoluene	1.0244 1.0663	1.0970 1.0447	0.9607	1.0670	1.0457	Ave		1.0437				4.1		15.0			
1,3,5-Trimethylbenzene	3.1767 3.3379	3.4439 3.2160	3.0511	3.3270	3.3181	Ave		3.2672				3.9		15.0			
4-Chlorotoluene	1.0444 1.1002	1.1046 1.0837	1.0037	1.0901	1.0952	Ave		1.0746				3.4		15.0			
tert-Butylbenzene	0.7547 0.8332	0.8086 0.8193	0.7315	0.8103	0.8091	Ave		0.7952				4.7		15.0			
1,2,4-Trimethylbenzene	3.2388 3.3480	3.4349 3.2146	3.0708	3.3368	3.3305	Ave		3.2820				3.6		15.0			
sec-Butylbenzene	3.8206 4.3002	4.3231 4.1357	3.8467	4.2647	4.2448	Ave		4.1337				5.2		15.0			
4-Isopropyltoluene	3.5405 3.9937	3.9791 3.8127	3.5735	3.9762	3.9426	Ave		3.8312				5.1		15.0			
1,3-Dichlorobenzene	2.0322 2.1207	2.2004 2.0494	1.9854	2.0999	2.0983	Ave		2.0837			0.6000	3.3		15.0			
1,4-Dichlorobenzene	2.1104 2.1646	2.2108 2.0836	2.0081	2.1233	2.1063	Ave		2.1153			0.5000	3.0		15.0			
n-Butylbenzene	2.7472 3.2053	3.1760 3.0758	2.8305	3.1789	3.0874	Ave		3.0430				6.0		15.0			
1,2-Dichlorobenzene	1.9375 2.0568	2.0978 1.9744	1.8836	2.0074	2.0145	Ave		1.9960			0.4000	3.6		15.0			
1,2-Dibromo-3-Chloropropane	0.1366 0.2085	0.1735 0.1896	0.1551	0.1780	0.1869	Ave		0.1755			0.0500	13.0		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.: 480-30197-1 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 15:52 Calibration End Date: 12/11/2012 18:24 Calibration ID: 11592

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	1.1322 1.4252	1.3053 1.3132	1.2725	1.3687	1.3527	Ave		1.3100			0.2000	7.1		15.0			
Hexachlorobutadiene	0.6007 0.7462	0.7107 0.7006	0.6466	0.7183	0.7135	Ave		0.6909				7.2		15.0			
Naphthalene	3.6750 3.9533	3.8960 3.3845	3.5388	3.7567	3.6947	Ave		3.6999				5.3		15.0			
1,2,3-Trichlorobenzene	1.0138 1.3102	1.1974 1.1298	1.1504	1.2311	1.2369	Ave		1.1814				8.0		15.0			
1,2-Dichloroethane-d4 (Surr)	 0.1784	0.1960 0.1805	0.1908	0.1928	0.1492	Ave		0.1813				9.5		15.0			
Toluene-d8 (Surr)	 2.9962	3.2282 3.0539	3.0375	3.1926	2.5931	Ave		3.0169				7.5		15.0			
4-Bromofluorobenzene (Surr)	 1.0186	1.2073 1.0589	1.1127	1.1214	0.8657	Ave		1.0641				11.0		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.: 480-30197-1 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 15:52 Calibration End Date: 12/11/2012 18:24 Calibration ID: 11592

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 480-95189/3	F4222.D
Level 2	STD2 480-95189/4	F4223.D
Level 3	STD3 480-95189/5	F4224.D
Level 4	STD4 480-95189/6	F4225.D
Level 5	STD5 480-95189/7	F4226.D
Level 6	STD6 480-95189/8	F4227.D
Level 7	STD7 480-95189/9	F4228.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	Ave	3831 220482	8560 442832	15639	40013	89528	2.50 100	5.00 200	10.0	20.0	50.0
Chloromethane	DFB	Ave	5340 208669	10583 404831	19985	43412	110221	2.50 100	5.00 200	10.0	20.0	50.0
Vinyl chloride	DFB	Ave	4057 212089	9929 409766	18264	42458	103624	2.50 100	5.00 200	10.0	20.0	50.0
Bromomethane	DFB	Lin	3838 68321	3255 154747	6263	12806	34525	2.50 100	5.00 200	10.0	20.0	50.0
Chloroethane	DFB	Lin1	2692 69942	2759 155633	6090	13192	34925	2.50 100	5.00 200	10.0	20.0	50.0
Trichlorofluoromethane	DFB	Ave	5249 251097	10594 524435	19353	48354	111649	2.50 100	5.00 200	10.0	20.0	50.0
Acrolein	DFB	Ave	22798 920911	43908 1730426	87867	174122	447293	50.0 2000	100 4000	200	400	1000
1,1,2-Trichloro-1,2,2-trifluoroetha ne	DFB	Ave	3867 227457	8993 483573	18556	40401	105317	2.50 100	5.00 200	10.0	20.0	50.0
1,1-Dichloroethene	DFB	Ave	4653 245946	11167 492026	20680	47633	118357	2.50 100	5.00 200	10.0	20.0	50.0
Acetone	DFB	Ave	15288 518462	22618 963963	46619	95080	237145	12.5 500	25.0 1000	50.0	100	250
Iodomethane	DFB	Ave	8216 379111	16455 780591	34835	70130	188494	2.50 100	5.00 200	10.0	20.0	50.0
Carbon disulfide	DFB	Ave	14892 751453	31677 1572415	64772	138281	367705	2.50 100	5.00 200	10.0	20.0	50.0
Methyl acetate	DFB	Ave	8767 363032	17500 685397	34589	67602	176863	2.50 100	5.00 200	10.0	20.0	50.0
Acetonitrile	DFB	Ave	24741 922946	44520 1763438	87959	178378	448221	100 4000	200 8000	400	800	2000
Methylene Chloride	DFB	Ave	9057 283952	17234 550644	28427	57518	143307	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.: 480-30197-1 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 15:52 Calibration End Date: 12/11/2012 18:24 Calibration ID: 11592

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	16468 780914	34762 1530040	71073	145221	380705	2.50 100	5.00 200	10.0	20.0	50.0
trans-1,2-Dichloroethene	DFB	Ave	6002 287594	13771 563251	25285	56176	142466	2.50 100	5.00 200	10.0	20.0	50.0
Acrylonitrile	DFB	Ave	14274 672705	30114 1260675	60923	123949	315996	12.5 500	25.0 1000	50.0	100	250
Vinyl acetate	DFB	Ave	62281 2623607	131493 4728850	262794	512991	1319958	12.5 500	25.0 1000	50.0	100	250
1,1-Dichloroethane	DFB	Ave	10529 451109	22504 866184	41709	89977	227900	2.50 100	5.00 200	10.0	20.0	50.0
2-Butanone (MEK)	DFB	Ave	20201 877074	40351 1591481	81708	163094	410998	12.5 500	25.0 1000	50.0	100	250
2,2-Dichloropropane	DFB	Ave	7507 359844	17075 704298	31172	69618	177059	2.50 100	5.00 200	10.0	20.0	50.0
cis-1,2-Dichloroethene	DFB	Ave	6952 310879	15149 603855	27882	59181	155856	2.50 100	5.00 200	10.0	20.0	50.0
Chlorobromomethane	DFB	Ave	3321 167261	7854 326758	15015	31546	82336	2.50 100	5.00 200	10.0	20.0	50.0
Tetrahydrofuran	DFB	Ave	13175 590290	26829 1074811	53719	109087	275507	12.5 500	25.0 1000	50.0	100	250
Chloroform	DFB	Ave	10176 446152	21204 866684	40198	85670	222379	2.50 100	5.00 200	10.0	20.0	50.0
1,1,1-Trichloroethane	DFB	Ave	8017 395542	17442 790181	33122	75164	193886	2.50 100	5.00 200	10.0	20.0	50.0
Cyclohexane	DFB	Ave	8364 467816	18541 974753	37929	82765	217552	2.50 100	5.00 200	10.0	20.0	50.0
1,1-Dichloropropene	DFB	Ave	6584 356227	15743 707497	29255	67804	171545	2.50 100	5.00 200	10.0	20.0	50.0
Carbon tetrachloride	DFB	Ave	6400 368251	15119 741654	28588	66205	171095	2.50 100	5.00 200	10.0	20.0	50.0
Benzene	DFB	Ave	23737 1066822	50374 2075008	95314	204361	531608	2.50 100	5.00 200	10.0	20.0	50.0
1,2-Dichloroethane	DFB	Ave	6775 341335	16099 651053	31452	64122	168093	2.50 100	5.00 200	10.0	20.0	50.0
Trichloroethene	DFB	Ave	6240 290441	13692 579926	25596	54726	142049	2.50 100	5.00 200	10.0	20.0	50.0
Methylcyclohexane	DFB	Ave	7845 494480	18749 1041439	38750	85272	225462	2.50 100	5.00 200	10.0	20.0	50.0
1,2-Dichloropropane	DFB	Ave	5458 271602	12700 534421	24160	50930	132596	2.50 100	5.00 200	10.0	20.0	50.0
Dibromomethane	DFB	Ave	3187 168466	7361 324712	14722	30411	81508	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.: 480-30197-1 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 15:52 Calibration End Date: 12/11/2012 18:24 Calibration ID: 11592

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	Ave	6599 342339	14602 679600	28627	60170	164151	2.50 100	5.00 200	10.0	20.0	50.0
2-Chloroethyl vinyl ether	DFB	Ave	18721 978094	43341 1853822	89109	179445	474877	12.5 500	25.0 1000	50.0	100	250
cis-1,3-Dichloropropene	DFB	Ave	8471 434724	19003 858101	37042	78169	209936	2.50 100	5.00 200	10.0	20.0	50.0
4-Methyl-2-pentanone (MIBK)	CBZ	Ave	37044 1687677	78732 3022610	157869	319368	803635	12.5 500	25.0 1000	50.0	100	250
Toluene	CBZ	Ave	15607 715783	33654 1398766	63380	134965	352236	2.50 100	5.00 200	10.0	20.0	50.0
Ethyl methacrylate	CBZ	Ave	7113 396480	17196 774283	33750	70134	187022	2.50 100	5.00 200	10.0	20.0	50.0
trans-1,3-Dichloropropene	CBZ	Ave	7465 391221	16505 757354	33272	69970	187156	2.50 100	5.00 200	10.0	20.0	50.0
1,1,2-Trichloroethane	CBZ	Ave	3945 204153	9009 394778	17799	37520	97885	2.50 100	5.00 200	10.0	20.0	50.0
Tetrachloroethene	CBZ	Ave	6479 335784	15112 669886	28859	63188	162580	2.50 100	5.00 200	10.0	20.0	50.0
1,3-Dichloropropane	CBZ	Ave	8433 407980	19014 772613	36197	77002	202247	2.50 100	5.00 200	10.0	20.0	50.0
2-Hexanone	CBZ	Ave	27260 1252430	57181 2234613	115451	236616	589583	12.5 500	25.0 1000	50.0	100	250
Chlorodibromomethane	CBZ	Ave	5230 308178	11344 615206	23712	51175	143347	2.50 100	5.00 200	10.0	20.0	50.0
Ethylene Dibromide	CBZ	Ave	5448 289898	12764 557916	24958	52895	138559	2.50 100	5.00 200	10.0	20.0	50.0
Chlorobenzene	CBZ	Ave	18634 863143	40099 1684536	76563	161581	426794	2.50 100	5.00 200	10.0	20.0	50.0
Ethylbenzene	CBZ	Ave	28854 1313256	62293 2529058	117644	255573	657158	2.50 100	5.00 200	10.0	20.0	50.0
1,1,1,2-Tetrachloroethane	CBZ	Ave	5963 306583	13208 601453	25736	55973	150162	2.50 100	5.00 200	10.0	20.0	50.0
m-Xylene & p-Xylene	CBZ	Ave	23798 1116009	53098 2130792	99807	217621	554840	5.00 200	10.0 400	20.0	40.0	100
o-Xylene	CBZ	Ave	11644 552134	25601 1060897	48488	105471	272741	2.50 100	5.00 200	10.0	20.0	50.0
Styrene	CBZ	Ave	18973 926031	41772 1785058	81513	175840	457819	2.50 100	5.00 200	10.0	20.0	50.0
Bromoform	CBZ	Lin1	3004 219080	7264 435460	15540	33892	98500	2.50 100	5.00 200	10.0	20.0	50.0
Isopropylbenzene	DCB	Ave	27886 1389069	63873 2686058	122062	266367	683314	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.: 480-30197-1 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 15:52 Calibration End Date: 12/11/2012 18:24 Calibration ID: 11592

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	6792 371058	15675 688231	32584	67428	175702	2.50 100	5.00 200	10.0	20.0	50.0
Bromobenzene	DCB	Ave	7984 396727	18266 763335	35793	75018	196217	2.50 100	5.00 200	10.0	20.0	50.0
N-Propylbenzene	DCB	Ave	33028 1579358	74820 2885316	144070	312782	787273	2.50 100	5.00 200	10.0	20.0	50.0
trans-1,4-Dichloro-2-butene	DCB	Ave	9229 489407	21277 886833	43979	90326	234809	12.5 500	25.0 1000	50.0	100	250
1,2,3-Trichloropropane	DCB	Ave	2105 117763	5305 211807	10523	22298	57120	2.50 100	5.00 200	10.0	20.0	50.0
2-Chlorotoluene	DCB	Ave	7828 378350	17554 732701	33081	73133	184029	2.50 100	5.00 200	10.0	20.0	50.0
1,3,5-Trimethylbenzene	DCB	Ave	24275 1184324	55108 2255560	105059	228028	583934	2.50 100	5.00 200	10.0	20.0	50.0
4-Chlorotoluene	DCB	Ave	7981 390369	17675 760049	34561	74712	192743	2.50 100	5.00 200	10.0	20.0	50.0
tert-Butylbenzene	DCB	Ave	5767 295616	12939 574625	25188	55538	142396	2.50 100	5.00 200	10.0	20.0	50.0
1,2,4-Trimethylbenzene	DCB	Ave	24750 1187910	54965 2254544	105737	228696	586112	2.50 100	5.00 200	10.0	20.0	50.0
sec-Butylbenzene	DCB	Ave	29196 1525777	69177 2900570	132454	292295	747019	2.50 100	5.00 200	10.0	20.0	50.0
4-Isopropyltoluene	DCB	Ave	27055 1417023	63672 2674070	123046	272521	693839	2.50 100	5.00 200	10.0	20.0	50.0
1,3-Dichlorobenzene	DCB	Ave	15529 752441	35211 1437349	68362	143925	369269	2.50 100	5.00 200	10.0	20.0	50.0
1,4-Dichlorobenzene	DCB	Ave	16127 768036	35377 1461341	69145	145526	370670	2.50 100	5.00 200	10.0	20.0	50.0
n-Butylbenzene	DCB	Ave	20993 1137278	50821 2157220	97462	217874	543342	2.50 100	5.00 200	10.0	20.0	50.0
1,2-Dichlorobenzene	DCB	Ave	14806 729794	33568 1384765	64858	137584	354526	2.50 100	5.00 200	10.0	20.0	50.0
1,2-Dibromo-3-Chloropropane	DCB	Ave	1044 73989	2776 133001	5340	12203	32898	2.50 100	5.00 200	10.0	20.0	50.0
1,2,4-Trichlorobenzene	DCB	Ave	8652 505698	20887 921002	43815	93810	238052	2.50 100	5.00 200	10.0	20.0	50.0
Hexachlorobutadiene	DCB	Ave	4590 264774	11372 491346	22264	49233	125572	2.50 100	5.00 200	10.0	20.0	50.0
Naphthalene	DCB	Ave	28083 1402699	62343 2373752	121852	257475	650215	2.50 100	5.00 200	10.0	20.0	50.0
1,2,3-Trichlorobenzene	DCB	Ave	7747 464869	19161 792418	39613	84375	217674	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.: 480-30197-1 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 15:52 Calibration End Date: 12/11/2012 18:24 Calibration ID: 11592

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	129901	6627 264454	13625	26918	54058	100	5.00 200	10.0	20.0	50.0
Toluene-d8 (Surr)	CBZ	Ave	940596	46877 1925927	93655	192870	409382	100	5.00 200	10.0	20.0	50.0
4-Bromofluorobenzene (Surr)	CBZ	Ave	319758	17531 667749	34309	67744	136679	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\20121211-17433.b\F4222.D		
Lims ID:	STD1	Client ID:	
Inject. Date:	11-Dec-2012 15:52:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	STD1		
Misc. Info.:	480-0017433-003 =480-0017433-003		
Operator:	Jmb	Instrument ID:	HP5973F
Purge Vol:	5.000 mL	ALS Bottle#:	3
Lims Batch ID:	95189	Lims Sample ID:	3
Sublist:	chrom-F-8260 SOIL*sub1		
Detector:	MS SCAN		

Method:	\\Bufchrom\ChromData\HP5973F\20121211-17433.b\F-8260 SOIL.m		
Last Update:	11-Dec-2012 22:33:34	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 22:33:33

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	332803	50.0	
* 2 Chlorobenzene-d5	82	8.382	8.382	0.0	80	141796	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.700	10.700	0.0	92	152833	50.0	
10 Dichlorodifluoromethane	85	2.007	2.001	0.006	27	3831	2.19	
12 Chloromethane	50	2.147	2.153	-0.006	40	5340	2.68	
13 Vinyl chloride	62	2.262	2.275	-0.012	20	4057	2.18	
14 Bromomethane	94	2.566	2.560	0.006	65	3838	7.35	
15 Chloroethane	64	2.645	2.633	0.012	36	2692	3.81	
17 Trichlorofluoromethane	101	2.864	2.859	0.005	30	5249	2.45	
20 Acrolein	56	3.199	3.193	0.006	86	22798	54.3	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.236	3.230	0.006	11	3867	2.05	
22 1,1-Dichloroethene	96	3.266	3.260	0.006	53	4653	2.18	
23 Acetone	43	3.321	3.309	0.012	87	15288	16.3	
25 Iodomethane	142	3.424	3.424	0.0	76	8216	2.44	
26 Carbon disulfide	76	3.479	3.473	0.006	78	14892	2.29	
27 Methyl acetate	43	3.534	3.534	0.0	76	8767	2.66	
29 Acetonitrile	40	3.570	3.570	0.0	99	24741	115.4	
30 Methylene Chloride	84	3.655	3.649	0.006	73	9057	3.15	
32 Methyl tert-butyl ether	73	3.807	3.808	-0.001	72	16468	2.40	
34 trans-1,2-Dichloroethene	96	3.838	3.838	0.0	67	6002	2.34	
33 Acrylonitrile	53	3.862	3.856	0.006	87	14274	12.2	
37 Vinyl acetate	43	4.160	4.160	0.0	89	62281	12.9	
39 1,1-Dichloroethane	63	4.178	4.179	-0.001	1	10529	2.54	
44 2,2-Dichloropropane	77	4.623	4.623	0.0	22	7507	2.35	
43 2-Butanone (MEK)	43	4.616	4.623	-0.007	96	20201	13.0	
45 cis-1,2-Dichloroethene	96	4.629	4.635	-0.006	23	6952	2.48	
48 Chlorobromomethane	128	4.842	4.848	-0.006	55	3321	2.26	
49 Tetrahydrofuran	42	4.866	4.860	0.006	80	13175	12.8	
50 Chloroform	83	4.878	4.878	0.0	63	10176	2.53	

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	34	8017	2.33	
52 Cyclohexane	56	5.054	5.055	-0.001	64	8364	2.15	
54 1,1-Dichloropropene	75	5.140	5.140	0.0	37	6584	2.16	
55 Carbon tetrachloride	117	5.158	5.158	0.0	63	6400	2.11	
57 Benzene	78	5.328	5.328	0.0	85	23737	2.48	
58 1,2-Dichloroethane	62	5.371	5.371	0.0	50	6775	2.25	
62 Trichloroethene	95	5.851	5.858	-0.007	48	6240	2.41	
64 Methylcyclohexane	83	5.991	5.992	-0.001	49	7845	1.97	
65 1,2-Dichloropropane	63	6.077	6.077	0.0	51	5458	2.29	
67 Dibromomethane	93	6.210	6.211	-0.001	59	3187	2.22	
68 Dichlorobromomethane	83	6.320	6.320	0.0	44	6599	2.28	
69 2-Chloroethyl vinyl ether	63	6.527	6.527	0.0	75	18721	11.1	
72 cis-1,3-Dichloropropene	75	6.703	6.703	0.0	44	8471	2.28	
73 4-Methyl-2-pentanone (MIBK)	43	6.800	6.801	-0.001	86	37044	12.6	
74 Toluene	92	6.995	6.995	0.0	76	15607	2.48	
75 Ethyl methacrylate	69	7.214	7.214	0.0	55	7113	2.16	
77 trans-1,3-Dichloropropene	75	7.220	7.220	0.0	51	7465	2.29	
79 1,1,2-Trichloroethane	83	7.415	7.415	0.0	16	3945	2.28	
81 Tetrachloroethene	166	7.518	7.519	-0.001	63	6479	2.25	
82 1,3-Dichloropropane	76	7.585	7.585	0.0	25	8433	2.38	
80 2-Hexanone	43	7.597	7.592	0.005	90	27260	12.6	
83 Chlorodibromomethane	129	7.823	7.829	-0.006	1	5230	2.15	
84 Ethylene Dibromide	107	7.956	7.963	-0.007	41	5448	2.23	
87 Chlorobenzene	112	8.413	8.413	0.0	84	18634	2.46	
88 Ethylbenzene	91	8.473	8.474	-0.001	80	28854	2.48	
89 1,1,1,2-Tetrachloroethane	131	8.486	8.492	-0.006	16	5963	2.30	
90 m-Xylene & p-Xylene	106	8.589	8.589	0.0	95	23798	4.83	
91 o-Xylene	106	9.027	9.021	0.006	74	11644	2.42	
92 Styrene	104	9.045	9.046	-0.001	77	18973	2.37	
95 Bromoform	173	9.325	9.319	0.006	24	3004	3.04	
94 Isopropylbenzene	105	9.386	9.386	0.0	65	27886	2.39	
97 1,1,2,2-Tetrachloroethane	83	9.757	9.757	0.0	11	6792	2.28	
101 Bromobenzene	156	9.763	9.769	-0.006	57	7984	2.39	
98 trans-1,4-Dichloro-2-butene	53	9.800	9.800	0.0	37	9229	11.6	
99 N-Propylbenzene	91	9.800	9.800	0.0	85	33028	2.46	
100 1,2,3-Trichloropropane	110	9.806	9.812	-0.006	32	2105	2.19	
103 2-Chlorotoluene	126	9.927	9.934	-0.007	78	7828	2.45	
102 1,3,5-Trimethylbenzene	105	9.964	9.964	0.0	54	24275	2.43	
105 4-Chlorotoluene	126	10.031	10.031	0.0	58	7981	2.43	
106 tert-Butylbenzene	134	10.280	10.280	0.0	62	5767	2.37	
107 1,2,4-Trimethylbenzene	105	10.329	10.329	0.0	67	24750	2.47	
109 sec-Butylbenzene	105	10.481	10.481	0.0	50	29196	2.31	
110 4-Isopropyltoluene	119	10.603	10.603	0.0	76	27055	2.31	
111 1,3-Dichlorobenzene	146	10.639	10.639	0.0	67	15529	2.44	
113 1,4-Dichlorobenzene	146	10.724	10.725	-0.001	73	16127	2.49	
115 n-Butylbenzene	91	10.974	10.974	0.0	78	20993	2.26	
116 1,2-Dichlorobenzene	146	11.065	11.065	0.0	70	14806	2.43	
117 1,2-Dibromo-3-Chloropropane	75	11.734	11.741	-0.007	1	1044	1.95	
119 1,2,4-Trichlorobenzene	180	12.391	12.385	0.006	39	8652	2.16	
120 Hexachlorobutadiene	225	12.483	12.483	0.0	38	4590	2.17	
121 Naphthalene	128	12.622	12.623	-0.001	65	28083	2.48	
122 1,2,3-Trichlorobenzene	180	12.835	12.842	-0.007	36	7747	2.15	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
S 125 1,2-Dichloroethene, Total	1				0		4.82	
S 126 1,3-Dichloropropene, Total	1				0		4.56	
S 123 Total BTEX	1				0		14.7	
S 124 Xylenes, Total	1				0		7.25	

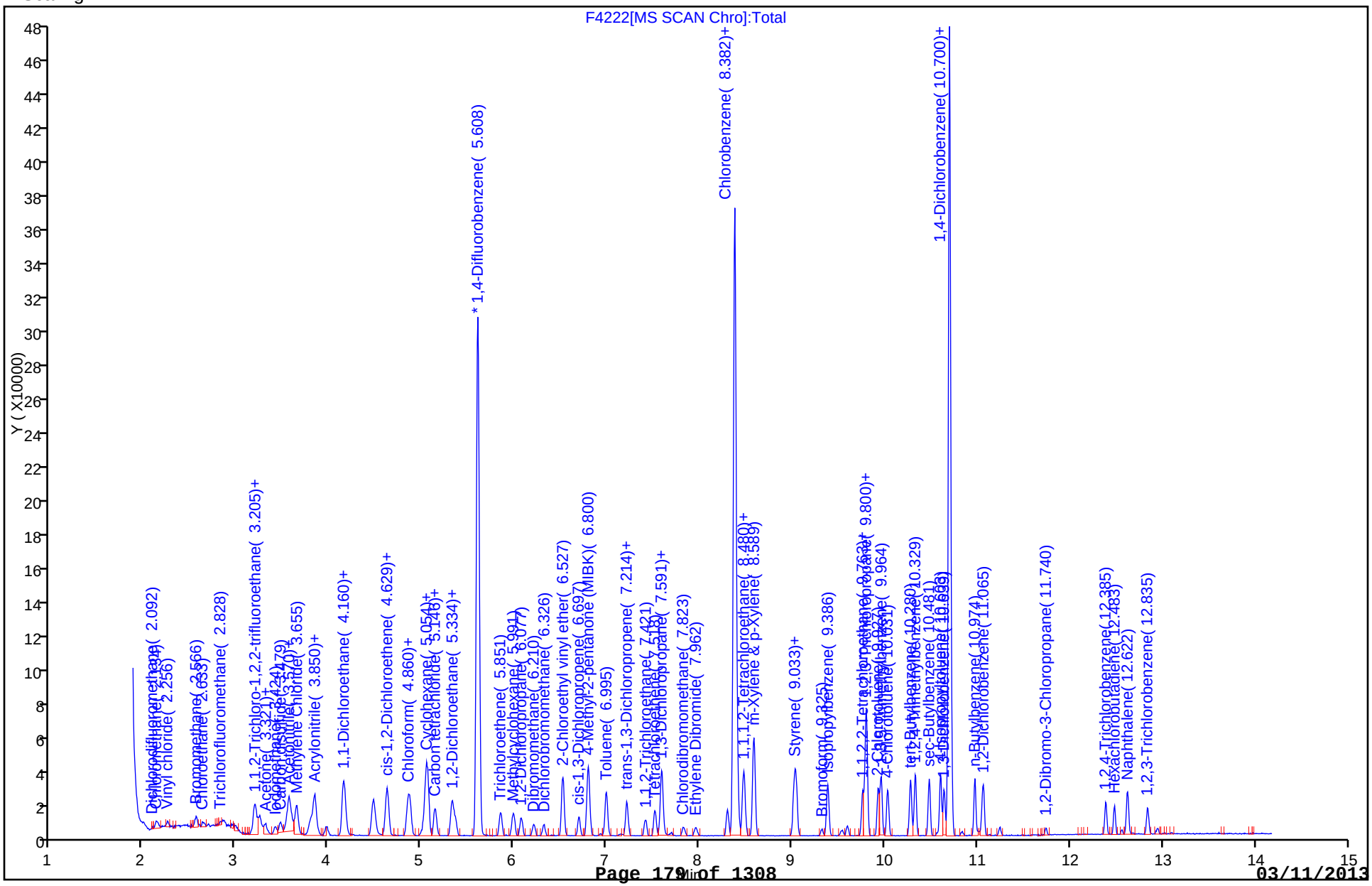
Report Date: 11-Dec-2012 22:33:34 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973F\20121211-17433.b\F4222.D

Injection Date:	11-Dec-2012 15:52:30	Limit Group:	MV - 8260MCP_RCP
Client ID:		Instrument ID:	HP5973F
Lims Batch ID:	95189	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\20121211-17433.b\F4223.D		
Lims ID:	STD2	Client ID:	
Inject. Date:	11-Dec-2012 16:17:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	STD2		
Misc. Info.:	480-0017433-004 =480-0017433-004		
Operator:	Jmb	Instrument ID:	HP5973F
Purge Vol:	5.000 mL	ALS Bottle#:	4
Lims Batch ID:	95189	Lims Sample ID:	4
Sublist:	chrom-F-8260 SOIL*sub1		
Detector:	MS SCAN		

Method:	\\Bufchrom\ChromData\HP5973F\20121211-17433.b\F-8260 SOIL.m		
Last Update:	11-Dec-2012 22:34:11	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 22:34:11

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	338087	50.0	
* 2 Chlorobenzene-d5	82	8.382	8.382	0.0	79	145211	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.700	10.700	0.0	92	160018	50.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.304	5.304	0.0	85	6627	5.41	
$ 5 Toluene-d8 (Surr)	98	6.928	6.928	0.0	71	46877	5.35	
$ 6 4-Bromofluorobenzene (Surr)	174	9.599	9.599	0.0	80	17531	5.67	
10 Dichlorodifluoromethane	85	1.995	2.001	-0.006	44	8560	4.81	
12 Chloromethane	50	2.141	2.153	-0.012	69	10583	5.24	
13 Vinyl chloride	62	2.256	2.275	-0.018	44	9929	5.26	
14 Bromomethane	94	2.548	2.560	-0.012	76	3255	6.43	
15 Chloroethane	64	2.627	2.633	-0.006	45	2759	3.85	
17 Trichlorofluoromethane	101	2.852	2.859	-0.007	44	10594	4.86	
20 Acrolein	56	3.193	3.193	0.0	86	43908	103.0	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.223	3.230	-0.007	41	8993	4.70	
22 1,1-Dichloroethene	96	3.260	3.260	0.0	68	11167	5.16	
23 Acetone	43	3.303	3.309	-0.006	91	22618	23.7	
25 Iodomethane	142	3.412	3.424	-0.012	75	16455	4.81	
26 Carbon disulfide	76	3.473	3.473	0.0	94	31677	4.79	
27 Methyl acetate	43	3.528	3.534	-0.006	87	17500	5.22	
29 Acetonitrile	40	3.564	3.570	-0.006	99	44520	204.3	
30 Methylene Chloride	84	3.649	3.649	0.0	81	17234	5.90	
32 Methyl tert-butyl ether	73	3.807	3.808	-0.001	83	34762	4.98	
34 trans-1,2-Dichloroethene	96	3.838	3.838	0.0	84	13771	5.29	
33 Acrylonitrile	53	3.856	3.856	0.0	98	30114	25.4	
37 Vinyl acetate	43	4.154	4.160	-0.006	96	131493	26.7	
39 1,1-Dichloroethane	63	4.173	4.179	-0.007	70	22504	5.33	
44 2,2-Dichloropropane	77	4.623	4.623	0.0	43	17075	5.27	
43 2-Butanone (MEK)	43	4.617	4.623	-0.006	96	40351	25.6	
45 cis-1,2-Dichloroethene	96	4.635	4.635	0.0	67	15149	5.32	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
48 Chlorobromomethane	128	4.842	4.848	-0.006	79	7854	5.25	
49 Tetrahydrofuran	42	4.854	4.860	-0.006	87	26829	25.6	
50 Chloroform	83	4.878	4.878	0.0	83	21204	5.18	
51 1,1,1-Trichloroethane	97	5.024	5.024	0.0	62	17442	4.99	
52 Cyclohexane	56	5.049	5.055	-0.006	83	18541	4.70	
54 1,1-Dichloropropene	75	5.140	5.140	0.0	70	15743	5.09	
55 Carbon tetrachloride	117	5.146	5.158	-0.012	57	15119	4.91	
57 Benzene	78	5.328	5.328	0.0	94	50374	5.18	
58 1,2-Dichloroethane	62	5.365	5.371	-0.006	61	16099	5.27	
62 Trichloroethene	95	5.852	5.858	-0.006	71	13692	5.22	
64 Methylcyclohexane	83	5.985	5.992	-0.007	74	18749	4.63	
65 1,2-Dichloropropane	63	6.077	6.077	0.0	74	12700	5.24	
67 Dibromomethane	93	6.211	6.211	-0.001	74	7361	5.04	
68 Dichlorobromomethane	83	6.326	6.320	0.006	67	14602	4.96	
69 2-Chloroethyl vinyl ether	63	6.527	6.527	0.0	86	43341	25.3	
72 cis-1,3-Dichloropropene	75	6.697	6.703	-0.006	61	19003	5.03	
73 4-Methyl-2-pentanone (MIBK)	43	6.801	6.801	0.0	93	78732	26.1	
74 Toluene	92	6.995	6.995	0.0	94	33654	5.22	
75 Ethyl methacrylate	69	7.214	7.214	0.0	69	17196	5.11	
77 trans-1,3-Dichloropropene	75	7.220	7.220	0.0	64	16505	4.94	
79 1,1,2-Trichloroethane	83	7.421	7.415	0.006	63	9009	5.08	
81 Tetrachloroethene	166	7.518	7.519	-0.001	82	15112	5.13	
82 1,3-Dichloropropane	76	7.585	7.585	0.0	82	19014	5.24	
80 2-Hexanone	43	7.591	7.592	-0.001	92	57181	25.8	
83 Chlorodibromomethane	129	7.829	7.829	0.0	33	11344	4.56	
84 Ethylene Dibromide	107	7.956	7.963	-0.007	49	12764	5.11	
87 Chlorobenzene	112	8.413	8.413	0.0	84	40099	5.18	
88 Ethylbenzene	91	8.474	8.474	0.0	87	62293	5.22	
89 1,1,1,2-Tetrachloroethane	131	8.486	8.492	-0.006	63	13208	4.98	
90 m-Xylene & p-Xylene	106	8.589	8.589	0.0	99	53098	10.5	
91 o-Xylene	106	9.021	9.021	0.0	88	25601	5.19	
92 Styrene	104	9.045	9.046	-0.001	88	41772	5.09	
95 Bromoform	173	9.319	9.319	0.0	68	7264	5.14	
94 Isopropylbenzene	105	9.386	9.386	0.0	78	63873	5.23	
97 1,1,2,2-Tetrachloroethane	83	9.757	9.757	0.0	58	15675	5.02	
101 Bromobenzene	156	9.769	9.769	0.0	82	18266	5.23	
98 trans-1,4-Dichloro-2-butene	53	9.800	9.800	0.0	47	21277	25.5	
99 N-Propylbenzene	91	9.800	9.800	0.0	92	74820	5.32	
100 1,2,3-Trichloropropane	110	9.812	9.812	0.0	45	5305	5.28	
103 2-Chlorotoluene	126	9.934	9.934	0.0	91	17554	5.26	
102 1,3,5-Trimethylbenzene	105	9.964	9.964	0.0	71	55108	5.27	
105 4-Chlorotoluene	126	10.031	10.031	0.0	86	17675	5.14	
106 tert-Butylbenzene	134	10.280	10.280	0.0	75	12939	5.08	
107 1,2,4-Trimethylbenzene	105	10.329	10.329	0.0	83	54965	5.23	
109 sec-Butylbenzene	105	10.481	10.481	0.0	74	69177	5.23	
110 4-Isopropyltoluene	119	10.603	10.603	0.0	88	63672	5.19	
111 1,3-Dichlorobenzene	146	10.645	10.639	0.006	80	35211	5.28	
113 1,4-Dichlorobenzene	146	10.725	10.725	0.0	89	35377	5.23	
115 n-Butylbenzene	91	10.974	10.974	0.0	88	50821	5.22	
116 1,2-Dichlorobenzene	146	11.065	11.065	0.0	88	33568	5.25	
117 1,2-Dibromo-3-Chloropropane	75	11.740	11.741	-0.001	23	2776	4.94	
119 1,2,4-Trichlorobenzene	180	12.391	12.385	0.006	74	20887	4.98	

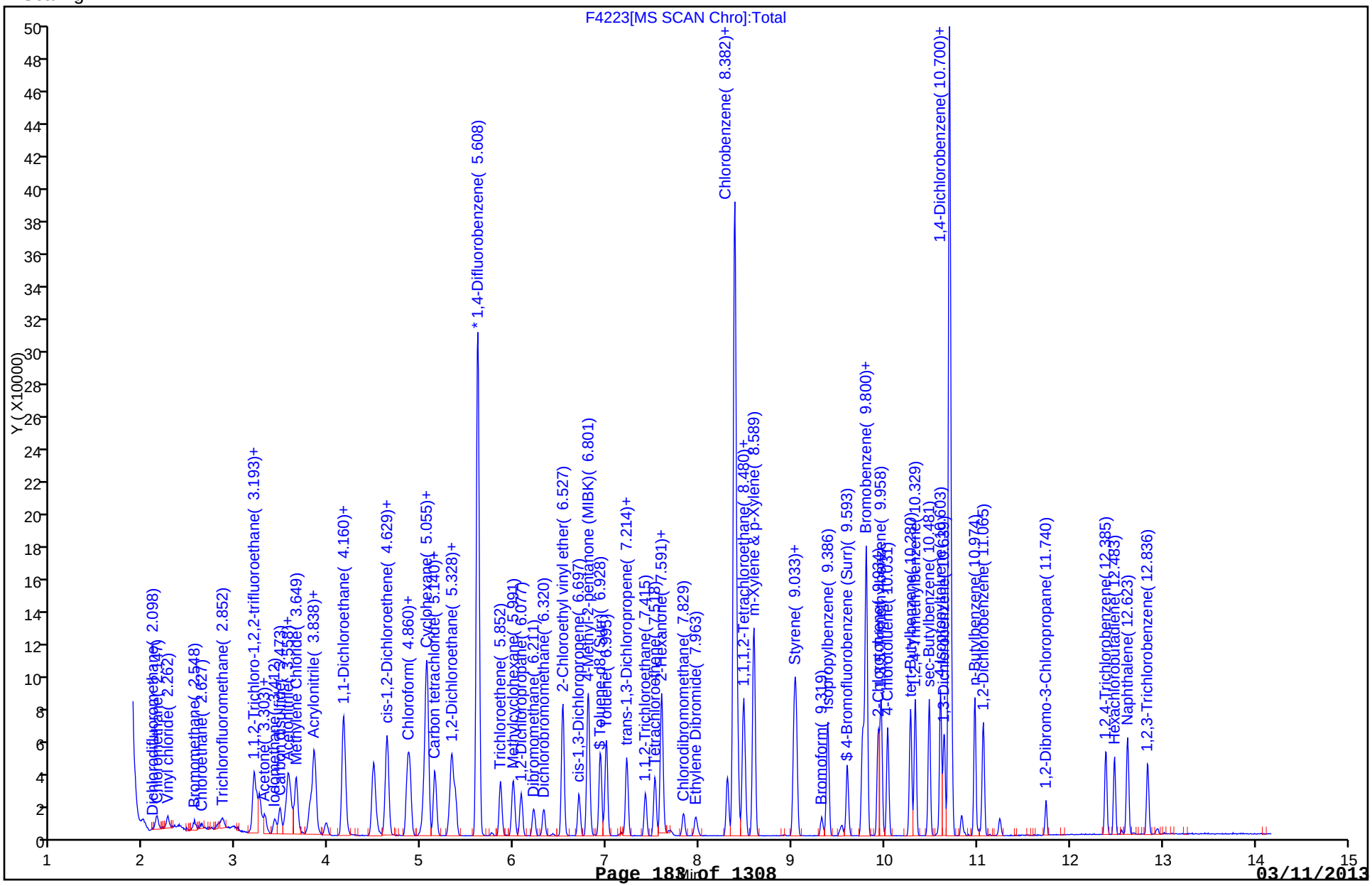
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
120 Hexachlorobutadiene	225	12.483	12.483	0.0	72	11372	5.14	
121 Naphthalene	128	12.623	12.623	0.0	83	62343	5.27	
122 1,2,3-Trichlorobenzene	180	12.836	12.842	-0.006	73	19161	5.07	
S 125 1,2-Dichloroethene, Total	1				0		10.6	
S 126 1,3-Dichloropropene, Total	1				0		9.96	
S 123 Total BTEX	1				0		31.3	
S 124 Xylenes, Total	1				0		15.7	

Report Date: 11-Dec-2012 22:34:11 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973F\20121211-17433.b\F4223.D		
Injection Date:	11-Dec-2012 16:17:30	Limit Group:	MV - 8260MCP_RCP
Client ID:		Instrument ID:	HP5973F
Lims Batch ID:	95189	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\F4224.D		
Lims ID:	STD3	Client ID:	
Inject. Date:	11-Dec-2012 16:43:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	3
Sample ID:	STD3		
Misc. Info.:	480-0017433-005 =480-0017433-005		
Operator:	Jmb	Instrument ID:	HP5973F
Purge Vol:	5.000 mL	ALS Bottle#:	5
Lims Batch ID:	95189	Lims Sample ID:	5
Sublist:	chrom-F-8260 SOIL*sub1		
Detector:	MS SCAN		

Method:	\\Bufchrom\ChromData\HP5973F\20121211-17433.b\F-8260 SOIL.m		
Last Update:	11-Dec-2012 22:34:57	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 22:34:56

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	356999	50.0	
* 2 Chlorobenzene-d5	82	8.382	8.382	0.0	79	154164	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.700	10.700	0.0	88	172166	50.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.304	5.304	0.0	88	13625	10.5	
$ 5 Toluene-d8 (Surr)	98	6.928	6.928	0.0	85	93655	10.1	
$ 6 4-Bromofluorobenzene (Surr)	174	9.599	9.599	0.0	88	34309	10.5	
10 Dichlorodifluoromethane	85	1.994	2.001	-0.007	67	15639	8.33	
12 Chloromethane	50	2.147	2.153	-0.006	83	19985	9.37	
13 Vinyl chloride	62	2.262	2.275	-0.012	65	18264	9.16	
14 Bromomethane	94	2.548	2.560	-0.012	76	6263	10.2	
15 Chloroethane	64	2.627	2.633	-0.006	59	6090	8.26	
17 Trichlorofluoromethane	101	2.840	2.859	-0.019	78	19353	8.41	
20 Acrolein	56	3.193	3.193	0.0	91	87867	195.2	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.229	3.230	-0.001	58	18556	9.18	
22 1,1-Dichloroethene	96	3.254	3.260	-0.006	81	20680	9.05	
23 Acetone	43	3.315	3.309	0.006	96	46619	46.2	
25 Iodomethane	142	3.418	3.424	-0.006	91	34835	9.63	
26 Carbon disulfide	76	3.473	3.473	0.0	95	64772	9.27	
27 Methyl acetate	43	3.528	3.534	-0.006	88	34589	9.78	
29 Acetonitrile	40	3.564	3.570	-0.006	100	87959	382.3	
30 Methylene Chloride	84	3.649	3.649	0.0	80	28427	9.21	
32 Methyl tert-butyl ether	73	3.807	3.808	-0.001	86	71073	9.65	
34 trans-1,2-Dichloroethene	96	3.838	3.838	0.0	94	25285	9.19	
33 Acrylonitrile	53	3.850	3.856	-0.006	98	60923	48.6	
37 Vinyl acetate	43	4.154	4.160	-0.006	97	262794	50.6	
39 1,1-Dichloroethane	63	4.172	4.179	-0.007	70	41709	9.36	
44 2,2-Dichloropropane	77	4.623	4.623	0.0	49	31172	9.11	
43 2-Butanone (MEK)	43	4.623	4.623	0.0	100	81708	49.2	
45 cis-1,2-Dichloroethene	96	4.635	4.635	0.0	74	27882	9.27	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
48 Chlorobromomethane	128	4.842	4.848	-0.006	82	15015	9.51	
49 Tetrahydrofuran	42	4.860	4.860	0.0	89	53719	48.5	
50 Chloroform	83	4.872	4.878	-0.006	74	40198	9.31	
51 1,1,1-Trichloroethane	97	5.024	5.024	0.0	81	33122	8.98	
52 Cyclohexane	56	5.055	5.055	0.0	87	37929	9.11	
54 1,1-Dichloropropene	75	5.140	5.140	0.0	85	29255	8.96	
55 Carbon tetrachloride	117	5.152	5.158	-0.006	73	28588	8.78	
57 Benzene	78	5.328	5.328	0.0	96	95314	9.28	
58 1,2-Dichloroethane	62	5.365	5.371	-0.006	70	31452	9.76	
62 Trichloroethene	95	5.851	5.858	-0.007	82	25596	9.23	
64 Methylcyclohexane	83	5.991	5.992	-0.001	81	38750	9.06	
65 1,2-Dichloropropane	63	6.077	6.077	0.0	86	24160	9.43	
67 Dibromomethane	93	6.210	6.211	-0.001	83	14722	9.55	
68 Dichlorobromomethane	83	6.320	6.320	0.0	81	28627	9.21	
69 2-Chloroethyl vinyl ether	63	6.527	6.527	0.0	89	89109	49.3	
72 cis-1,3-Dichloropropene	75	6.703	6.703	0.0	75	37042	9.28	
73 4-Methyl-2-pentanone (MIBK)	43	6.801	6.801	-0.001	95	157869	49.4	
74 Toluene	92	6.995	6.995	0.0	97	63380	9.26	
75 Ethyl methacrylate	69	7.214	7.214	0.0	83	33750	9.44	
77 trans-1,3-Dichloropropene	75	7.220	7.220	0.0	83	33272	9.37	
79 1,1,2-Trichloroethane	83	7.415	7.415	0.0	72	17799	9.46	
81 Tetrachloroethene	166	7.524	7.519	0.005	85	28859	9.23	
82 1,3-Dichloropropane	76	7.585	7.585	0.0	83	36197	9.39	
80 2-Hexanone	43	7.597	7.592	0.005	94	115451	49.1	
83 Chlorodibromomethane	129	7.829	7.829	0.0	72	23712	8.97	
84 Ethylene Dibromide	107	7.962	7.963	-0.001	79	24958	9.42	
87 Chlorobenzene	112	8.413	8.413	0.0	93	76563	9.31	
88 Ethylbenzene	91	8.473	8.474	-0.001	97	117644	9.29	
89 1,1,1,2-Tetrachloroethane	131	8.486	8.492	-0.006	85	25736	9.14	
90 m-Xylene & p-Xylene	106	8.589	8.589	0.0	99	99807	18.6	
91 o-Xylene	106	9.021	9.021	0.0	91	48488	9.26	
92 Styrene	104	9.045	9.046	-0.001	94	81513	9.35	
95 Bromoform	173	9.319	9.319	0.0	78	15540	8.83	
94 Isopropylbenzene	105	9.386	9.386	0.0	91	122062	9.29	
97 1,1,2,2-Tetrachloroethane	83	9.757	9.757	0.0	70	32584	9.71	
101 Bromobenzene	156	9.763	9.769	-0.006	84	35793	9.52	
98 trans-1,4-Dichloro-2-butene	53	9.800	9.800	0.0	58	43979	49.1	
99 N-Propylbenzene	91	9.800	9.800	0.0	94	144070	9.51	
100 1,2,3-Trichloropropane	110	9.806	9.812	-0.006	53	10523	9.74	
103 2-Chlorotoluene	126	9.934	9.934	0.0	97	33081	9.21	
102 1,3,5-Trimethylbenzene	105	9.964	9.964	0.0	80	105059	9.34	
105 4-Chlorotoluene	126	10.031	10.031	0.0	92	34561	9.34	
106 tert-Butylbenzene	134	10.280	10.280	0.0	84	25188	9.20	
107 1,2,4-Trimethylbenzene	105	10.329	10.329	0.0	92	105737	9.36	
109 sec-Butylbenzene	105	10.481	10.481	0.0	87	132454	9.31	
110 4-Isopropyltoluene	119	10.603	10.603	0.0	94	123046	9.33	
111 1,3-Dichlorobenzene	146	10.645	10.639	0.006	86	68362	9.53	
113 1,4-Dichlorobenzene	146	10.724	10.725	-0.001	94	69145	9.49	
115 n-Butylbenzene	91	10.974	10.974	0.0	93	97462	9.30	
116 1,2-Dichlorobenzene	146	11.065	11.065	0.0	96	64858	9.44	
117 1,2-Dibromo-3-Chloropropane	75	11.740	11.741	-0.001	52	5340	8.84	
119 1,2,4-Trichlorobenzene	180	12.385	12.385	0.0	85	43815	9.71	

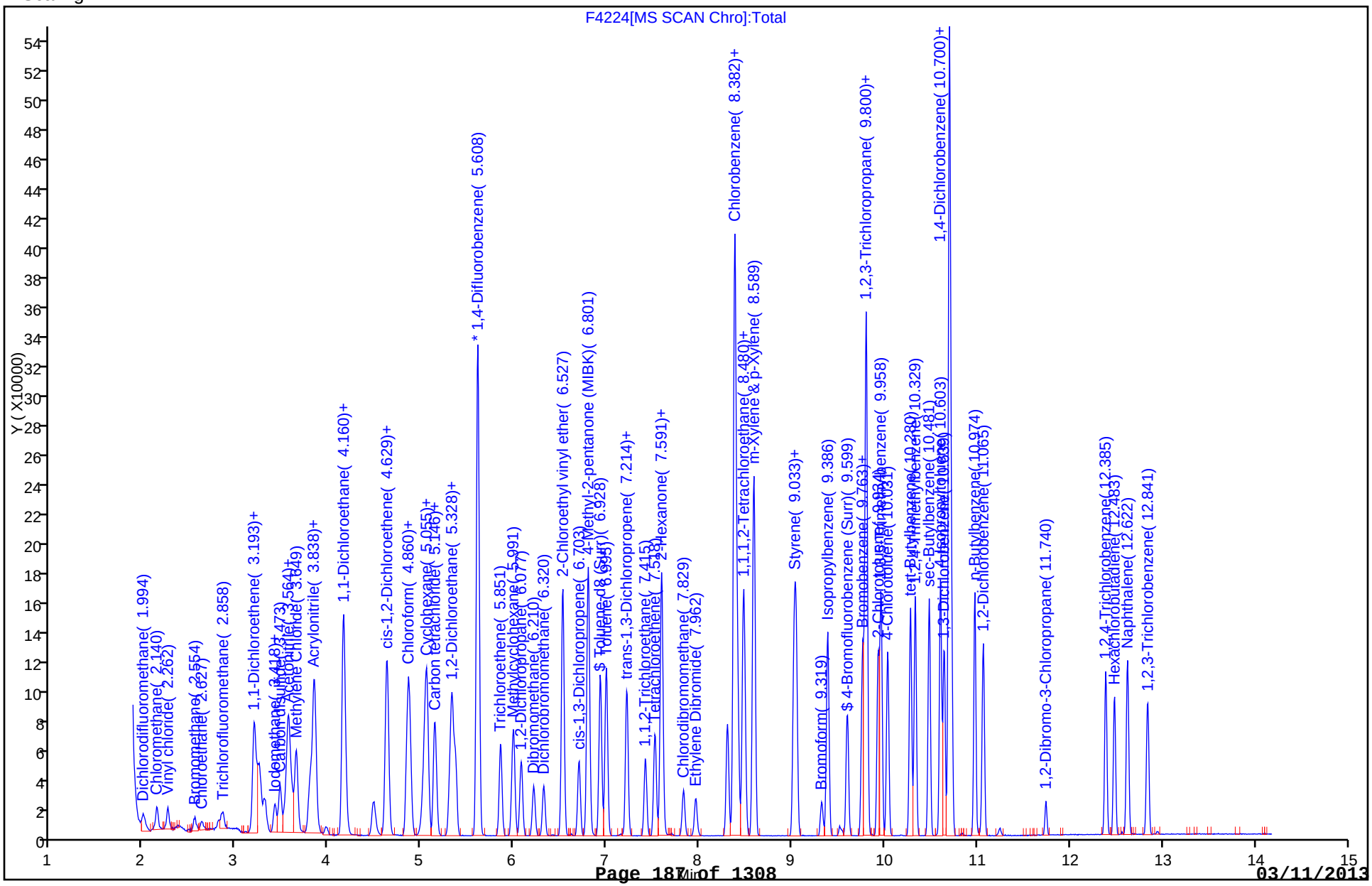
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
120 Hexachlorobutadiene	225	12.483	12.483	0.0	86	22264	9.36	
121 Naphthalene	128	12.622	12.623	-0.001	94	121852	9.56	
122 1,2,3-Trichlorobenzene	180	12.841	12.842	-0.001	88	39613	9.74	
S 125 1,2-Dichloroethene, Total	1				0		18.5	
S 126 1,3-Dichloropropene, Total	1				0		18.7	
S 123 Total BTEX	1				0		55.7	
S 124 Xylenes, Total	1				0		27.9	

Report Date: 11-Dec-2012 22:34:57 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973F\20121211-17433.b\F4224.D		
Injection Date:	11-Dec-2012 16:43:30	Limit Group:	MV - 8260MCP_RCP
Client ID:		Instrument ID:	HP5973F
Lims Batch ID:	95189	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\20121211-17433.b\F4225.D		
Lims ID:	STD4	Client ID:	
Inject. Date:	11-Dec-2012 17:08:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	STD4		
Misc. Info.:	480-0017433-006 =480-0017433-006		
Operator:	Jmb	Instrument ID:	HP5973F
Purge Vol:	5.000 mL	ALS Bottle#:	6
Lims Batch ID:	95189	Lims Sample ID:	6
Sublist:	chrom-F-8260 SOIL*sub1		
Detector:	MS SCAN		

Method:	\\Bufchrom\ChromData\HP5973F\20121211-17433.b\F-8260 SOIL.m		
Last Update:	11-Dec-2012 22:35:28	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 22:35:28

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	348962	50.0	
* 2 Chlorobenzene-d5	82	8.382	8.382	0.0	74	151028	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.700	10.700	0.0	91	171346	50.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.298	5.304	-0.006	96	26918	21.3	
$ 5 Toluene-d8 (Surr)	98	6.934	6.928	0.006	90	192870	21.2	
$ 6 4-Bromofluorobenzene (Surr)	174	9.599	9.599	0.0	91	67744	21.1	
10 Dichlorodifluoromethane	85	2.001	2.001	0.0	74	40013	21.8	
12 Chloromethane	50	2.153	2.153	0.0	89	43412	20.8	
13 Vinyl chloride	62	2.268	2.275	-0.006	75	42458	21.8	
14 Bromomethane	94	2.554	2.560	-0.006	79	12806	19.4	
15 Chloroethane	64	2.627	2.633	-0.006	67	13192	18.5	
17 Trichlorofluoromethane	101	2.858	2.859	-0.001	78	48354	21.5	
20 Acrolein	56	3.193	3.193	0.0	95	174122	395.7	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.223	3.230	-0.007	72	40401	20.5	
22 1,1-Dichloroethene	96	3.260	3.260	0.0	82	47633	21.3	
23 Acetone	43	3.309	3.309	0.0	98	95080	96.4	
25 Iodomethane	142	3.418	3.424	-0.006	95	70130	19.8	
26 Carbon disulfide	76	3.473	3.473	0.0	98	138281	20.2	
27 Methyl acetate	43	3.528	3.534	-0.006	90	67602	19.6	
29 Acetonitrile	40	3.570	3.570	0.0	99	178378	793.2	
30 Methylene Chloride	84	3.649	3.649	0.0	85	57518	19.1	
32 Methyl tert-butyl ether	73	3.807	3.808	-0.001	88	145221	20.2	
34 trans-1,2-Dichloroethene	96	3.838	3.838	0.0	95	56176	20.9	
33 Acrylonitrile	53	3.856	3.856	0.0	99	123949	101.1	
37 Vinyl acetate	43	4.160	4.160	0.0	97	512991	101.0	
39 1,1-Dichloroethane	63	4.179	4.179	-0.001	78	89977	20.7	
44 2,2-Dichloropropane	77	4.623	4.623	0.0	55	69618	20.8	
43 2-Butanone (MEK)	43	4.623	4.623	0.0	100	163094	100.4	
45 cis-1,2-Dichloroethene	96	4.635	4.635	0.0	68	59181	20.1	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
48 Chlorobromomethane	128	4.842	4.848	-0.006	86	31546	20.4	
49 Tetrahydrofuran	42	4.860	4.860	0.0	89	109087	100.9	
50 Chloroform	83	4.878	4.878	0.0	80	85670	20.3	
51 1,1,1-Trichloroethane	97	5.024	5.024	0.0	91	75164	20.8	
52 Cyclohexane	56	5.055	5.055	0.0	89	82765	20.3	
54 1,1-Dichloropropene	75	5.140	5.140	0.0	89	67804	21.2	
55 Carbon tetrachloride	117	5.152	5.158	-0.006	77	66205	20.8	
57 Benzene	78	5.334	5.328	0.006	97	204361	20.4	
58 1,2-Dichloroethane	62	5.371	5.371	0.0	73	64122	20.3	
62 Trichloroethene	95	5.851	5.858	-0.007	88	54726	20.2	
64 Methylcyclohexane	83	5.991	5.992	-0.001	88	85272	20.4	
65 1,2-Dichloropropane	63	6.077	6.077	0.0	91	50930	20.3	
67 Dibromomethane	93	6.217	6.211	0.005	81	30411	20.2	
68 Dichlorobromomethane	83	6.320	6.320	0.0	87	60170	19.8	
69 2-Chloroethyl vinyl ether	63	6.527	6.527	0.0	93	179445	101.6	
72 cis-1,3-Dichloropropene	75	6.703	6.703	0.0	82	78169	20.0	
73 4-Methyl-2-pentanone (MIBK)	43	6.801	6.801	0.0	96	319368	101.9	
74 Toluene	92	6.995	6.995	0.0	92	134965	20.1	
75 Ethyl methacrylate	69	7.214	7.214	0.0	88	70134	20.0	
77 trans-1,3-Dichloropropene	75	7.220	7.220	0.0	94	69970	20.1	
79 1,1,2-Trichloroethane	83	7.421	7.415	0.006	82	37520	20.4	
81 Tetrachloroethene	166	7.518	7.519	-0.001	89	63188	20.6	
82 1,3-Dichloropropane	76	7.585	7.585	0.0	90	77002	20.4	
80 2-Hexanone	43	7.591	7.592	-0.001	96	236616	102.6	
83 Chlorodibromomethane	129	7.829	7.829	0.0	81	51175	19.8	
84 Ethylene Dibromide	107	7.962	7.963	-0.001	91	52895	20.4	
87 Chlorobenzene	112	8.413	8.413	0.0	93	161581	20.1	
88 Ethylbenzene	91	8.474	8.474	0.0	97	255573	20.6	
89 1,1,1,2-Tetrachloroethane	131	8.492	8.492	0.0	86	55973	20.3	
90 m-Xylene & p-Xylene	106	8.589	8.589	0.0	99	217621	41.5	
91 o-Xylene	106	9.021	9.021	0.0	94	105471	20.6	
92 Styrene	104	9.045	9.046	-0.001	95	175840	20.6	
95 Bromoform	173	9.319	9.319	0.0	95	33892	17.8	
94 Isopropylbenzene	105	9.386	9.386	0.0	93	266367	20.4	
97 1,1,2,2-Tetrachloroethane	83	9.757	9.757	0.0	84	67428	20.2	
101 Bromobenzene	156	9.769	9.769	0.0	86	75018	20.1	
98 trans-1,4-Dichloro-2-butene	53	9.800	9.800	0.0	56	90326	101.3	
99 N-Propylbenzene	91	9.800	9.800	0.0	95	312782	20.8	
100 1,2,3-Trichloropropane	110	9.806	9.812	-0.006	81	22298	20.7	
103 2-Chlorotoluene	126	9.927	9.934	-0.007	98	73133	20.4	
102 1,3,5-Trimethylbenzene	105	9.964	9.964	0.0	81	228028	20.4	
105 4-Chlorotoluene	126	10.031	10.031	0.0	96	74712	20.3	
106 tert-Butylbenzene	134	10.280	10.280	0.0	86	55538	20.4	
107 1,2,4-Trimethylbenzene	105	10.329	10.329	0.0	94	228696	20.3	
109 sec-Butylbenzene	105	10.481	10.481	0.0	91	292295	20.6	
110 4-Isopropyltoluene	119	10.603	10.603	0.0	96	272521	20.8	
111 1,3-Dichlorobenzene	146	10.645	10.639	0.006	95	143925	20.2	
113 1,4-Dichlorobenzene	146	10.718	10.725	-0.007	93	145526	20.1	
115 n-Butylbenzene	91	10.974	10.974	0.0	92	217874	20.9	
116 1,2-Dichlorobenzene	146	11.065	11.065	0.0	98	137584	20.1	
117 1,2-Dibromo-3-Chloropropane	75	11.740	11.741	-0.001	70	12203	20.3	
119 1,2,4-Trichlorobenzene	180	12.385	12.385	0.0	93	93810	20.9	

Report Date: 11-Dec-2012 22:35:29 Chrom Revision: 2.0 22-Oct-2012 16:30:48
Data File: \\Bufchrom\ChromData\HP5973F\20121211-17433.b\F4225.D

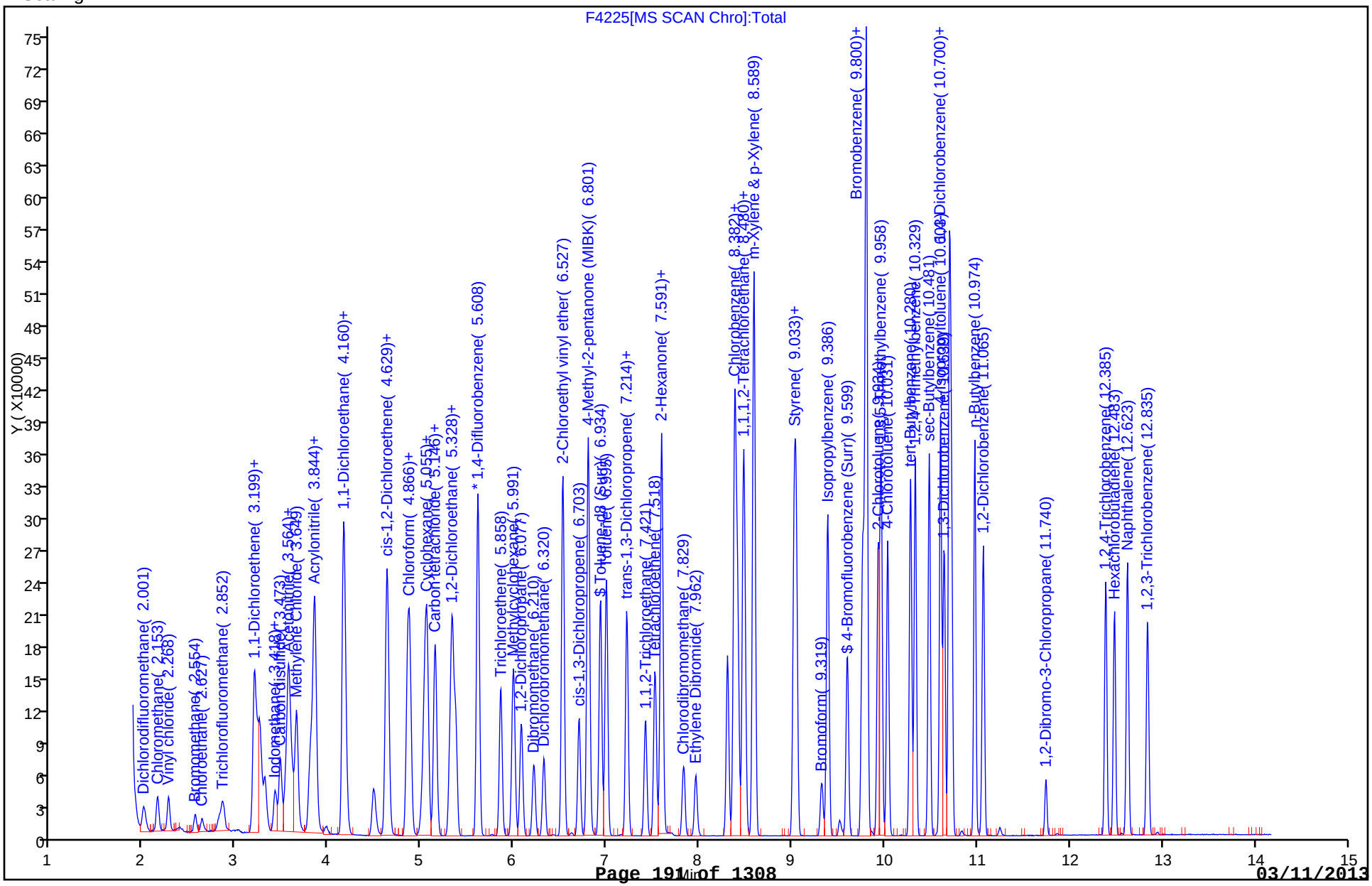
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
120 Hexachlorobutadiene	225	12.483	12.483	0.0	90	49233	20.8	
121 Naphthalene	128	12.623	12.623	-0.001	96	257475	20.3	
122 1,2,3-Trichlorobenzene	180	12.842	12.842	0.0	93	84375	20.8	
S 125 1,2-Dichloroethene, Total	1				0		41.0	
S 126 1,3-Dichloropropene, Total	1				0		40.2	
S 123 Total BTEX	1				0		123.1	
S 124 Xylenes, Total	1				0		62.1	

Report Date: 11-Dec-2012 22:35:29 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973F\20121211-17433.b\F4225.D		
Injection Date:	11-Dec-2012 17:08:30	Limit Group:	MV - 8260MCP_RCP
Client ID:		Instrument ID:	HP5973F
Lims Batch ID:	95189	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\20121211-17433.b\F4226.D		
Lims ID:	STD5	Client ID:	
Inject. Date:	11-Dec-2012 17:34:30	Dil. Factor:	1.0000
Sample Type:	ICIS	Calib Level:	5
Sample ID:	STD5		
Misc. Info.:	480-0017433-007 =480-0017433-007		
Operator:	Jmb	Instrument ID:	HP5973F
Purge Vol:	5.000 mL	ALS Bottle#:	7
Lims Batch ID:	95189	Lims Sample ID:	7
Sublist:	chrom-F-8260 SOIL*sub1		
Detector:	MS SCAN		

Method:	\\Bufchrom\ChromData\HP5973F\20121211-17433.b\F-8260 SOIL.m		
Last Update:	11-Dec-2012 22:35:53	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 22:35:53

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	362215	50.0	
* 2 Chlorobenzene-d5	82	8.382	8.382	0.0	73	157875	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.700	10.700	0.0	89	175985	50.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.304	5.304	0.0	93	54058	41.2	
$ 5 Toluene-d8 (Surr)	98	6.928	6.928	0.0	91	409382	43.0	
$ 6 4-Bromofluorobenzene (Surr)	174	9.599	9.599	0.0	93	136679	40.7	
10 Dichlorodifluoromethane	85	2.001	2.001	0.0	95	89528	47.0	
12 Chloromethane	50	2.153	2.153	0.0	89	110221	50.9	
13 Vinyl chloride	62	2.275	2.275	0.0	83	103624	51.2	
14 Bromomethane	94	2.560	2.560	0.0	87	34525	47.6	
15 Chloroethane	64	2.633	2.633	0.0	91	34925	47.6	
17 Trichlorofluoromethane	101	2.859	2.859	0.0	82	111649	47.8	
20 Acrolein	56	3.193	3.193	0.0	96	447293	979.2	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.230	3.230	0.0	80	105317	51.4	
22 1,1-Dichloroethene	96	3.260	3.260	0.0	85	118357	51.0	
23 Acetone	43	3.309	3.309	0.0	98	237145	231.6	
25 Iodomethane	142	3.424	3.424	0.0	97	188494	51.4	
26 Carbon disulfide	76	3.473	3.473	0.0	99	367705	51.9	
27 Methyl acetate	43	3.534	3.534	0.0	92	176863	49.3	
29 Acetonitrile	40	3.570	3.570	0.0	99	448221	1920.2	
30 Methylene Chloride	84	3.649	3.649	0.0	85	143307	45.8	
32 Methyl tert-butyl ether	73	3.808	3.808	0.0	87	380705	50.9	
34 trans-1,2-Dichloroethene	96	3.838	3.838	0.0	96	142466	51.0	
33 Acrylonitrile	53	3.856	3.856	0.0	99	315996	248.4	
37 Vinyl acetate	43	4.160	4.160	0.0	97	1319958	250.4	
39 1,1-Dichloroethane	63	4.179	4.179	0.0	84	227900	50.4	
44 2,2-Dichloropropane	77	4.623	4.623	0.0	77	177059	51.0	
43 2-Butanone (MEK)	43	4.623	4.623	0.0	100	410998	243.8	
45 cis-1,2-Dichloroethene	96	4.635	4.635	0.0	69	155856	51.1	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
48 Chlorobromomethane	128	4.848	4.848	0.0	88	82336	51.4	
49 Tetrahydrofuran	42	4.860	4.860	0.0	90	275507	245.4	
50 Chloroform	83	4.878	4.878	0.0	81	222379	50.8	
51 1,1,1-Trichloroethane	97	5.024	5.024	0.0	92	193886	51.8	
52 Cyclohexane	56	5.055	5.055	0.0	90	217552	51.5	
54 1,1-Dichloropropene	75	5.140	5.140	0.0	94	171545	51.8	
55 Carbon tetrachloride	117	5.158	5.158	0.0	79	171095	51.8	
57 Benzene	78	5.328	5.328	0.0	97	531608	51.0	
58 1,2-Dichloroethane	62	5.371	5.371	0.0	77	168093	51.4	
62 Trichloroethene	95	5.858	5.858	0.0	90	142049	50.5	
64 Methylcyclohexane	83	5.992	5.992	0.0	89	225462	52.0	
65 1,2-Dichloropropane	63	6.077	6.077	0.0	93	132596	51.0	
67 Dibromomethane	93	6.211	6.211	0.0	87	81508	52.1	
68 Dichlorobromomethane	83	6.320	6.320	0.0	93	164151	52.0	
69 2-Chloroethyl vinyl ether	63	6.527	6.527	0.0	93	474877	258.9	
72 cis-1,3-Dichloropropene	75	6.703	6.703	0.0	90	209936	51.9	
73 4-Methyl-2-pentanone (MIBK)	43	6.801	6.801	0.0	95	803635	245.3	
74 Toluene	92	6.995	6.995	0.0	98	352236	50.3	
75 Ethyl methacrylate	69	7.214	7.214	0.0	89	187022	51.1	
77 trans-1,3-Dichloropropene	75	7.220	7.220	0.0	90	187156	51.5	
79 1,1,2-Trichloroethane	83	7.415	7.415	0.0	84	97885	50.8	
81 Tetrachloroethene	166	7.519	7.519	0.0	91	162580	50.8	
82 1,3-Dichloropropane	76	7.585	7.585	0.0	90	202247	51.2	
80 2-Hexanone	43	7.592	7.592	0.0	95	589583	244.7	
83 Chlorodibromomethane	129	7.829	7.829	0.0	87	143347	53.0	
84 Ethylene Dibromide	107	7.963	7.963	0.0	97	138559	51.0	
87 Chlorobenzene	112	8.413	8.413	0.0	95	426794	50.7	
88 Ethylbenzene	91	8.474	8.474	0.0	97	657158	50.7	
89 1,1,1,2-Tetrachloroethane	131	8.492	8.492	0.0	90	150162	52.1	
90 m-Xylene & p-Xylene	106	8.589	8.589	0.0	99	554840	101.2	
91 o-Xylene	106	9.021	9.021	0.0	94	272741	50.8	
92 Styrene	104	9.046	9.046	0.0	95	457819	51.3	
95 Bromoform	173	9.319	9.319	0.0	98	98500	46.9	
94 Isopropylbenzene	105	9.386	9.386	0.0	94	683314	50.9	
97 1,1,2,2-Tetrachloroethane	83	9.757	9.757	0.0	87	175702	51.2	
101 Bromobenzene	156	9.769	9.769	0.0	86	196217	51.1	
98 trans-1,4-Dichloro-2-butene	53	9.800	9.800	0.0	56	234809	256.3	
99 N-Propylbenzene	91	9.800	9.800	0.0	94	787273	50.9	
100 1,2,3-Trichloropropane	110	9.812	9.812	0.0	55	57120	51.7	
103 2-Chlorotoluene	126	9.934	9.934	0.0	98	184029	50.1	
102 1,3,5-Trimethylbenzene	105	9.964	9.964	0.0	93	583934	50.8	
105 4-Chlorotoluene	126	10.031	10.031	0.0	95	192743	51.0	
106 tert-Butylbenzene	134	10.280	10.280	0.0	87	142396	50.9	
107 1,2,4-Trimethylbenzene	105	10.329	10.329	0.0	94	586112	50.7	
109 sec-Butylbenzene	105	10.481	10.481	0.0	93	747019	51.3	
110 4-Isopropyltoluene	119	10.603	10.603	0.0	94	693839	51.5	
111 1,3-Dichlorobenzene	146	10.639	10.639	0.0	95	369269	50.3	
113 1,4-Dichlorobenzene	146	10.725	10.725	0.0	96	370670	49.8	
115 n-Butylbenzene	91	10.974	10.974	0.0	93	543342	50.7	
116 1,2-Dichlorobenzene	146	11.065	11.065	0.0	98	354526	50.5	
117 1,2-Dibromo-3-Chloropropane	75	11.741	11.741	0.0	81	32898	53.3	
119 1,2,4-Trichlorobenzene	180	12.385	12.385	0.0	94	238052	51.6	

Report Date: 11-Dec-2012 22:35:54 Chrom Revision: 2.0 22-Oct-2012 16:30:48
Data File: \\Bufchrom\ChromData\HP5973F\20121211-17433.b\F4226.D

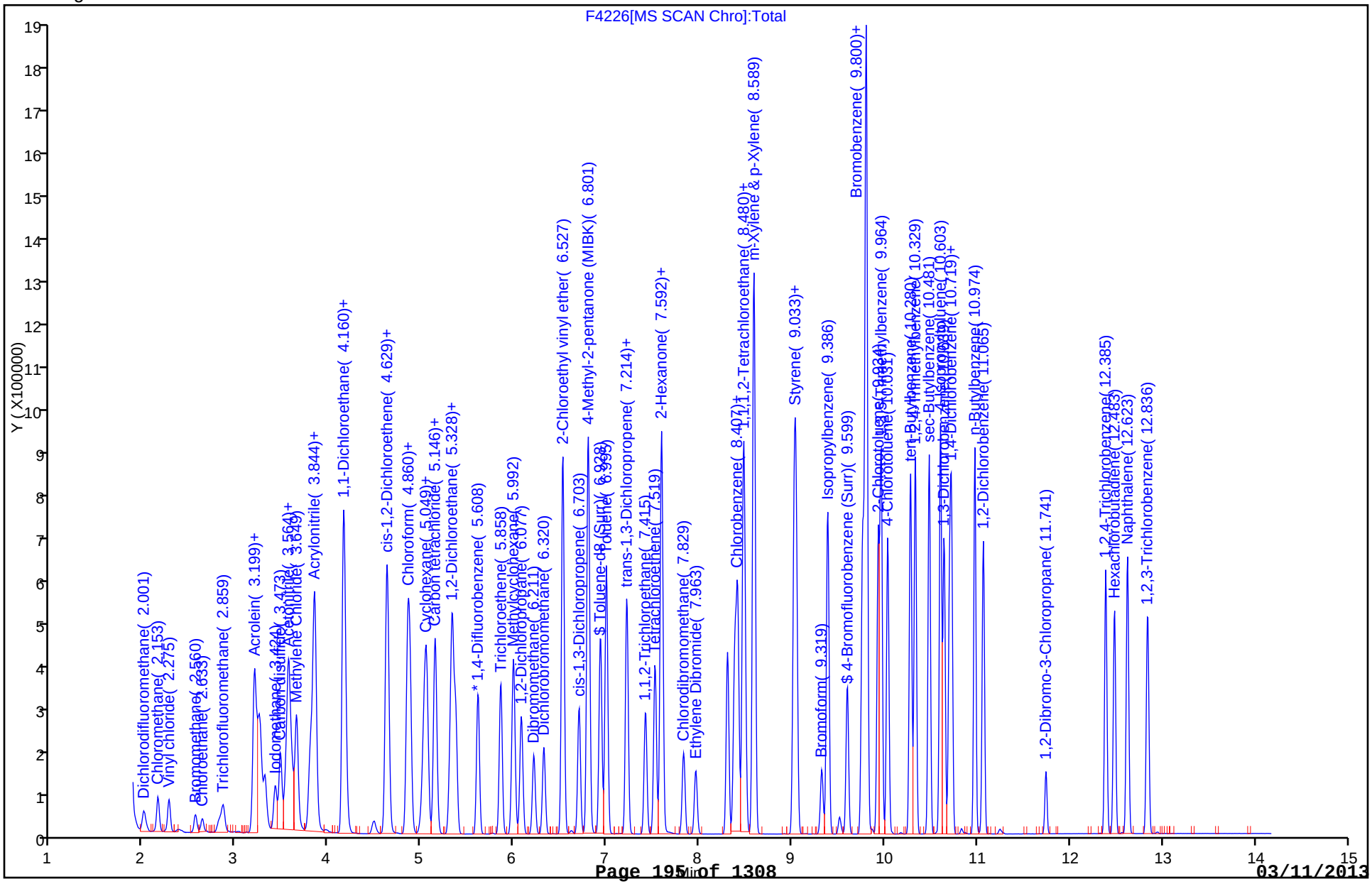
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
120 Hexachlorobutadiene	225	12.483	12.483	0.0	94	125572	51.6	
121 Naphthalene	128	12.623	12.623	0.0	96	650215	49.9	
122 1,2,3-Trichlorobenzene	180	12.842	12.842	0.0	97	217674	52.3	
S 125 1,2-Dichloroethene, Total	1				0		102.1	
S 126 1,3-Dichloropropene, Total	1				0		103.3	
S 123 Total BTEX	1				0		304.0	
S 124 Xylenes, Total	1				0		152.1	

Report Date: 11-Dec-2012 22:35:54 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973F\20121211-17433.b\F4226.D		
Injection Date:	11-Dec-2012 17:34:30	Limit Group:	MV - 8260MCP_RCP
Client ID:		Instrument ID:	HP5973F
Lims Batch ID:	95189	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\20121211-17433.b\F4227.D		
Lims ID:	STD6	Client ID:	
Inject. Date:	11-Dec-2012 17:59:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	6
Sample ID:	STD6		
Misc. Info.:	480-0017433-008 =480-0017433-008		
Operator:	Jmb	Instrument ID:	HP5973F
Purge Vol:	5.000 mL	ALS Bottle#:	8
Lims Batch ID:	95189	Lims Sample ID:	8
Sublist:	chrom-F-8260 SOIL*sub1		
Detector:	MS SCAN		

Method:	\\Bufchrom\ChromData\HP5973F\20121211-17433.b\F-8260 SOIL.m		
Last Update:	11-Dec-2012 22:36:35	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 22:36:34

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	364055	50.0	
* 2 Chlorobenzene-d5	82	8.382	8.382	0.0	71	156964	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.700	10.700	0.0	65	177407	50.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.304	5.304	0.0	95	129901	98.4	
$ 5 Toluene-d8 (Surr)	98	6.934	6.928	0.006	91	940596	99.3	
$ 6 4-Bromofluorobenzene (Surr)	174	9.599	9.599	0.0	94	319758	95.7	
10 Dichlorodifluoromethane	85	2.001	2.001	0.0	87	220482	115.1	
12 Chloromethane	50	2.159	2.153	0.006	88	208669	95.9	
13 Vinyl chloride	62	2.280	2.275	0.006	84	212089	104.3	
14 Bromomethane	94	2.560	2.560	0.0	89	68321	91.9	
15 Chloroethane	64	2.633	2.633	0.0	94	69942	95.0	
17 Trichlorofluoromethane	101	2.858	2.859	-0.001	85	251097	106.9	
20 Acrolein	56	3.193	3.193	0.0	98	920911	2005.9	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.229	3.230	-0.001	79	227457	110.4	
22 1,1-Dichloroethene	96	3.260	3.260	0.0	84	245946	105.5	
23 Acetone	43	3.309	3.309	-0.001	98	518462	503.8	
25 Iodomethane	142	3.424	3.424	0.0	97	379111	102.8	
26 Carbon disulfide	76	3.479	3.473	0.006	99	751453	105.5	
27 Methyl acetate	43	3.528	3.534	-0.006	91	363032	100.6	
29 Acetonitrile	40	3.564	3.570	-0.006	99	922946	3933.9	
30 Methylene Chloride	84	3.655	3.649	0.006	85	283952	90.2	
32 Methyl tert-butyl ether	73	3.807	3.808	-0.001	87	780914	104.0	
34 trans-1,2-Dichloroethene	96	3.838	3.838	0.0	96	287594	102.5	
33 Acrylonitrile	53	3.856	3.856	0.0	99	672705	526.1	
37 Vinyl acetate	43	4.160	4.160	0.0	97	2623607	495.3	
39 1,1-Dichloroethane	63	4.178	4.179	-0.001	84	451109	99.3	
44 2,2-Dichloropropane	77	4.629	4.623	0.006	62	359844	103.1	
43 2-Butanone (MEK)	43	4.623	4.623	0.0	100	877074	517.6	
45 cis-1,2-Dichloroethene	96	4.635	4.635	0.0	69	310879	101.3	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
48 Chlorobromomethane	128	4.842	4.848	-0.006	86	167261	103.9	
49 Tetrahydrofuran	42	4.860	4.860	0.0	89	590290	523.1	
50 Chloroform	83	4.878	4.878	0.0	80	446152	101.3	
51 1,1,1-Trichloroethane	97	5.024	5.024	0.0	93	395542	105.1	
52 Cyclohexane	56	5.054	5.055	-0.001	89	467816	110.1	
54 1,1-Dichloropropene	75	5.146	5.140	0.006	92	356227	106.9	
55 Carbon tetrachloride	117	5.152	5.158	-0.006	79	368251	111.0	
57 Benzene	78	5.334	5.328	0.006	97	1066822	101.9	
58 1,2-Dichloroethane	62	5.371	5.371	0.0	89	341335	103.8	
62 Trichloroethene	95	5.858	5.858	0.0	91	290441	102.8	
64 Methylcyclohexane	83	5.991	5.992	-0.001	89	494480	113.4	
65 1,2-Dichloropropane	63	6.077	6.077	0.0	94	271602	104.0	
67 Dibromomethane	93	6.210	6.211	-0.001	87	168466	107.2	
68 Dichlorobromomethane	83	6.320	6.320	0.0	94	342339	108.0	
69 2-Chloroethyl vinyl ether	63	6.527	6.527	0.0	92	978094	530.6	
72 cis-1,3-Dichloropropene	75	6.703	6.703	0.0	90	434724	106.8	
73 4-Methyl-2-pentanone (MIBK)	43	6.800	6.801	-0.001	95	1687677	518.2	
74 Toluene	92	6.995	6.995	0.0	99	715783	102.7	
75 Ethyl methacrylate	69	7.214	7.214	0.0	90	396480	108.9	
77 trans-1,3-Dichloropropene	75	7.220	7.220	0.0	93	391221	108.2	
79 1,1,2-Trichloroethane	83	7.415	7.415	0.0	85	204153	106.6	
81 Tetrachloroethene	166	7.524	7.519	0.005	91	335784	105.5	
82 1,3-Dichloropropane	76	7.585	7.585	0.0	91	407980	103.9	
80 2-Hexanone	43	7.591	7.592	-0.001	94	1252430	522.8	
83 Chlorodibromomethane	129	7.829	7.829	0.0	88	308178	114.5	
84 Ethylene Dibromide	107	7.962	7.963	-0.001	98	289898	107.4	
87 Chlorobenzene	112	8.413	8.413	0.0	95	863143	103.1	
88 Ethylbenzene	91	8.473	8.474	-0.001	97	1313256	101.8	
89 1,1,1,2-Tetrachloroethane	131	8.492	8.492	0.0	86	306583	106.9	
90 m-Xylene & p-Xylene	106	8.589	8.589	0.0	99	1116009	204.8	
91 o-Xylene	106	9.021	9.021	0.0	94	552134	103.5	
92 Styrene	104	9.045	9.046	-0.001	95	926031	104.4	
95 Bromoform	173	9.319	9.319	0.0	98	219080	103.1	
94 Isopropylbenzene	105	9.386	9.386	0.0	94	1389069	102.6	
97 1,1,2,2-Tetrachloroethane	83	9.757	9.757	0.0	84	371058	107.3	
101 Bromobenzene	156	9.769	9.769	0.0	86	396727	102.4	
98 trans-1,4-Dichloro-2-butene	53	9.800	9.800	0.0	58	489407	529.9	
99 N-Propylbenzene	91	9.800	9.800	0.0	95	1579358	101.2	
100 1,2,3-Trichloropropane	110	9.812	9.812	0.0	60	117763	105.8	
103 2-Chlorotoluene	126	9.927	9.934	-0.007	98	378350	102.2	
102 1,3,5-Trimethylbenzene	105	9.964	9.964	0.0	94	1184324	102.2	
105 4-Chlorotoluene	126	10.031	10.031	0.0	95	390369	102.4	
106 tert-Butylbenzene	134	10.280	10.280	0.0	88	295616	104.8	
107 1,2,4-Trimethylbenzene	105	10.329	10.329	0.0	85	1187910	102.0	
109 sec-Butylbenzene	105	10.481	10.481	0.0	93	1525777	104.0	
110 4-Isopropyltoluene	119	10.603	10.603	0.0	97	1417023	104.2	
111 1,3-Dichlorobenzene	146	10.645	10.639	0.006	95	752441	101.8	
113 1,4-Dichlorobenzene	146	10.718	10.725	-0.007	95	768036	102.3	
115 n-Butylbenzene	91	10.974	10.974	0.0	94	1137278	105.3	
116 1,2-Dichlorobenzene	146	11.065	11.065	0.0	98	729794	103.0	
117 1,2-Dibromo-3-Chloropropane	75	11.740	11.741	-0.001	87	73989	118.8	
119 1,2,4-Trichlorobenzene	180	12.385	12.385	0.0	94	505698	108.8	

Report Date: 11-Dec-2012 22:36:35 Chrom Revision: 2.0 22-Oct-2012 16:30:48
Data File: \\Bufchrom\ChromData\HP5973F\20121211-17433.b\F4227.D

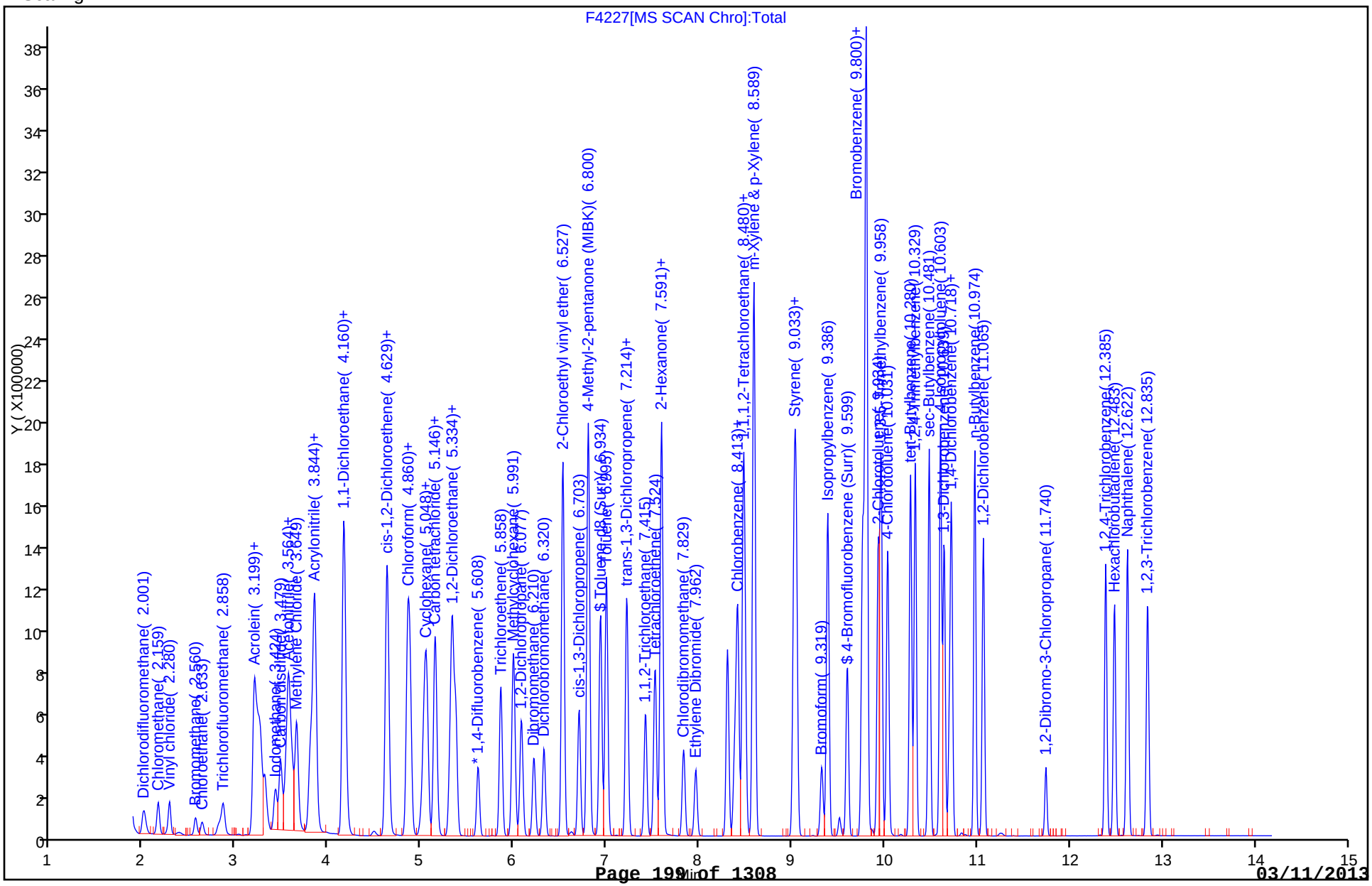
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
120 Hexachlorobutadiene	225	12.483	12.483	0.0	95	264774	108.0	
121 Naphthalene	128	12.622	12.623	-0.001	96	1402699	106.9	
122 1,2,3-Trichlorobenzene	180	12.841	12.842	-0.001	94	464869	110.9	
S 125 1,2-Dichloroethene, Total	1				0		203.8	
S 126 1,3-Dichloropropene, Total	1				0		215.1	
S 123 Total BTEX	1				0		614.8	
S 124 Xylenes, Total	1				0		308.3	

Report Date: 11-Dec-2012 22:36:35 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973F\20121211-17433.b\F4227.D		
Injection Date:	11-Dec-2012 17:59:30	Limit Group:	MV - 8260MCP_RCP
Client ID:		Instrument ID:	HP5973F
Lims Batch ID:	95189	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\20121211-17433.b\F4228.D		
Lims ID:	STD7	Client ID:	
Inject. Date:	11-Dec-2012 18:24:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	7
Sample ID:	STD7		
Misc. Info.:	480-0017433-009 =480-0017433-009		
Operator:	Jmb	Instrument ID:	HP5973F
Purge Vol:	5.000 mL	ALS Bottle#:	9
Lims Batch ID:	95189	Lims Sample ID:	9
Sublist:	chrom-F-8260 SOIL*sub1		
Detector:	MS SCAN		

Method:	\\Bufchrom\ChromData\HP5973F\20121211-17433.b\F-8260 SOIL.m		
Last Update:	11-Dec-2012 22:38:03	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 22:38:03

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	366255	50.0	
* 2 Chlorobenzene-d5	82	8.382	8.382	0.0	69	157659	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.700	10.700	0.0	90	175338	50.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.304	5.304	0.0	96	264454	199.1	
$ 5 Toluene-d8 (Surr)	98	6.934	6.928	0.006	91	1925927	202.5	
$ 6 4-Bromofluorobenzene (Surr)	174	9.599	9.599	0.0	94	667749	199.0	
10 Dichlorodifluoromethane	85	1.994	2.001	-0.007	88	442832	229.8	
12 Chloromethane	50	2.152	2.153	-0.001	89	404831	184.9	
13 Vinyl chloride	62	2.274	2.275	0.0	84	409766	200.3	
14 Bromomethane	94	2.560	2.560	0.0	89	154747	204.6	
15 Chloroethane	64	2.627	2.633	-0.006	95	155633	210.4	
17 Trichlorofluoromethane	101	2.852	2.859	-0.007	86	524435	222.0	
20 Acrolein	56	3.187	3.193	-0.006	97	1730426	3746.5	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.223	3.230	-0.007	81	483573	233.3	
22 1,1-Dichloroethene	96	3.254	3.260	-0.006	84	492026	209.8	
23 Acetone	43	3.302	3.309	-0.007	98	963963	931.1	
25 Iodomethane	142	3.418	3.424	-0.006	97	780591	210.4	
26 Carbon disulfide	76	3.473	3.473	0.0	99	1572415	219.4	
27 Methyl acetate	43	3.521	3.534	-0.013	91	685397	188.9	
29 Acetonitrile	40	3.558	3.570	-0.012	100	1763438	7471.2	
30 Methylene Chloride	84	3.649	3.649	0.0	85	550644	173.9	
32 Methyl tert-butyl ether	73	3.801	3.808	-0.007	88	1530040	202.5	
34 trans-1,2-Dichloroethene	96	3.832	3.838	-0.006	96	563251	199.5	
33 Acrylonitrile	53	3.850	3.856	-0.006	99	1260675	980.0	
37 Vinyl acetate	43	4.154	4.160	-0.006	97	4728850	887.4	
39 1,1-Dichloroethane	63	4.172	4.179	-0.007	85	866184	189.5	
44 2,2-Dichloropropane	77	4.622	4.623	-0.001	77	704298	200.6	
43 2-Butanone (MEK)	43	4.616	4.623	-0.007	100	1591481	933.5	
45 cis-1,2-Dichloroethene	96	4.635	4.635	0.0	69	603855	195.6	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
48 Chlorobromomethane	128	4.841	4.848	-0.007	89	326758	201.7	
49 Tetrahydrofuran	42	4.854	4.860	-0.006	88	1074811	946.8	
50 Chloroform	83	4.878	4.878	0.0	81	866684	195.6	
51 1,1,1-Trichloroethane	97	5.024	5.024	0.0	92	790181	208.7	
52 Cyclohexane	56	5.054	5.055	-0.001	90	974753	228.1	
54 1,1-Dichloropropene	75	5.140	5.140	0.0	94	707497	211.1	
55 Carbon tetrachloride	117	5.152	5.158	-0.006	80	741654	222.1	
57 Benzene	78	5.328	5.328	0.0	97	2075008	197.0	
58 1,2-Dichloroethane	62	5.365	5.371	-0.006	85	651053	196.9	
62 Trichloroethene	95	5.851	5.858	-0.007	91	579926	203.9	
64 Methylcyclohexane	83	5.991	5.992	-0.001	88	1041439	237.4	
65 1,2-Dichloropropane	63	6.076	6.077	-0.001	95	534421	203.4	
67 Dibromomethane	93	6.210	6.211	-0.001	87	324712	205.3	
68 Dichlorobromomethane	83	6.320	6.320	0.0	94	679600	213.1	
69 2-Chloroethyl vinyl ether	63	6.527	6.527	0.0	93	1853822	999.7	
72 cis-1,3-Dichloropropene	75	6.697	6.703	-0.006	90	858101	209.6	
73 4-Methyl-2-pentanone (MIBK)	43	6.800	6.801	-0.001	94	3022610	923.9	
74 Toluene	92	6.995	6.995	0.0	99	1398766	199.8	
75 Ethyl methacrylate	69	7.214	7.214	0.0	90	774283	211.7	
77 trans-1,3-Dichloropropene	75	7.220	7.220	0.0	92	757354	208.6	
79 1,1,2-Trichloroethane	83	7.415	7.415	0.0	85	394778	205.2	
81 Tetrachloroethene	166	7.518	7.519	-0.001	91	669886	209.5	
82 1,3-Dichloropropane	76	7.585	7.585	0.0	90	772613	195.9	
80 2-Hexanone	43	7.591	7.592	-0.001	93	2234613	928.6	
83 Chlorodibromomethane	129	7.828	7.829	-0.001	87	615206	227.6	
84 Ethylene Dibromide	107	7.962	7.963	-0.001	98	557916	205.8	
87 Chlorobenzene	112	8.412	8.413	-0.001	97	1684536	200.3	
88 Ethylbenzene	91	8.473	8.474	-0.001	97	2529058	195.2	
89 1,1,1,2-Tetrachloroethane	131	8.492	8.492	0.0	85	601453	208.8	
90 m-Xylene & p-Xylene	106	8.589	8.589	0.0	98	2130792	389.3	
91 o-Xylene	106	9.021	9.021	0.0	94	1060897	198.0	
92 Styrene	104	9.045	9.046	-0.001	95	1785058	200.3	
95 Bromoform	173	9.319	9.319	0.0	99	435460	202.6	
94 Isopropylbenzene	105	9.386	9.386	0.0	94	2686058	200.8	
97 1,1,2,2-Tetrachloroethane	83	9.757	9.757	0.0	84	688231	201.3	
101 Bromobenzene	156	9.769	9.769	0.0	86	763335	199.4	
98 trans-1,4-Dichloro-2-butene	53	9.800	9.800	0.0	62	886833	971.5	
99 N-Propylbenzene	91	9.800	9.800	0.0	95	2885316	187.1	
100 1,2,3-Trichloropropane	110	9.812	9.812	0.0	68	211807	192.5	
103 2-Chlorotoluene	126	9.927	9.934	-0.007	98	732701	200.2	
102 1,3,5-Trimethylbenzene	105	9.964	9.964	0.0	95	2255560	196.9	
105 4-Chlorotoluene	126	10.031	10.031	0.0	95	760049	201.7	
106 tert-Butylbenzene	134	10.280	10.280	0.0	88	574625	206.1	
107 1,2,4-Trimethylbenzene	105	10.329	10.329	0.0	84	2254544	195.9	
109 sec-Butylbenzene	105	10.481	10.481	0.0	93	2900570	200.1	
110 4-Isopropyltoluene	119	10.603	10.603	0.0	94	2674070	199.0	
111 1,3-Dichlorobenzene	146	10.645	10.639	0.006	95	1437349	196.7	
113 1,4-Dichlorobenzene	146	10.724	10.725	-0.001	96	1461341	197.0	
115 n-Butylbenzene	91	10.974	10.974	0.0	93	2157220	202.2	
116 1,2-Dichlorobenzene	146	11.065	11.065	0.0	98	1384765	197.8	
117 1,2-Dibromo-3-Chloropropane	75	11.740	11.741	-0.001	91	133001	216.1	
119 1,2,4-Trichlorobenzene	180	12.385	12.385	0.0	94	921002	200.5	

Report Date: 11-Dec-2012 22:38:03 Chrom Revision: 2.0 22-Oct-2012 16:30:48
Data File: \\Bufchrom\ChromData\HP5973F\20121211-17433.b\F4228.D

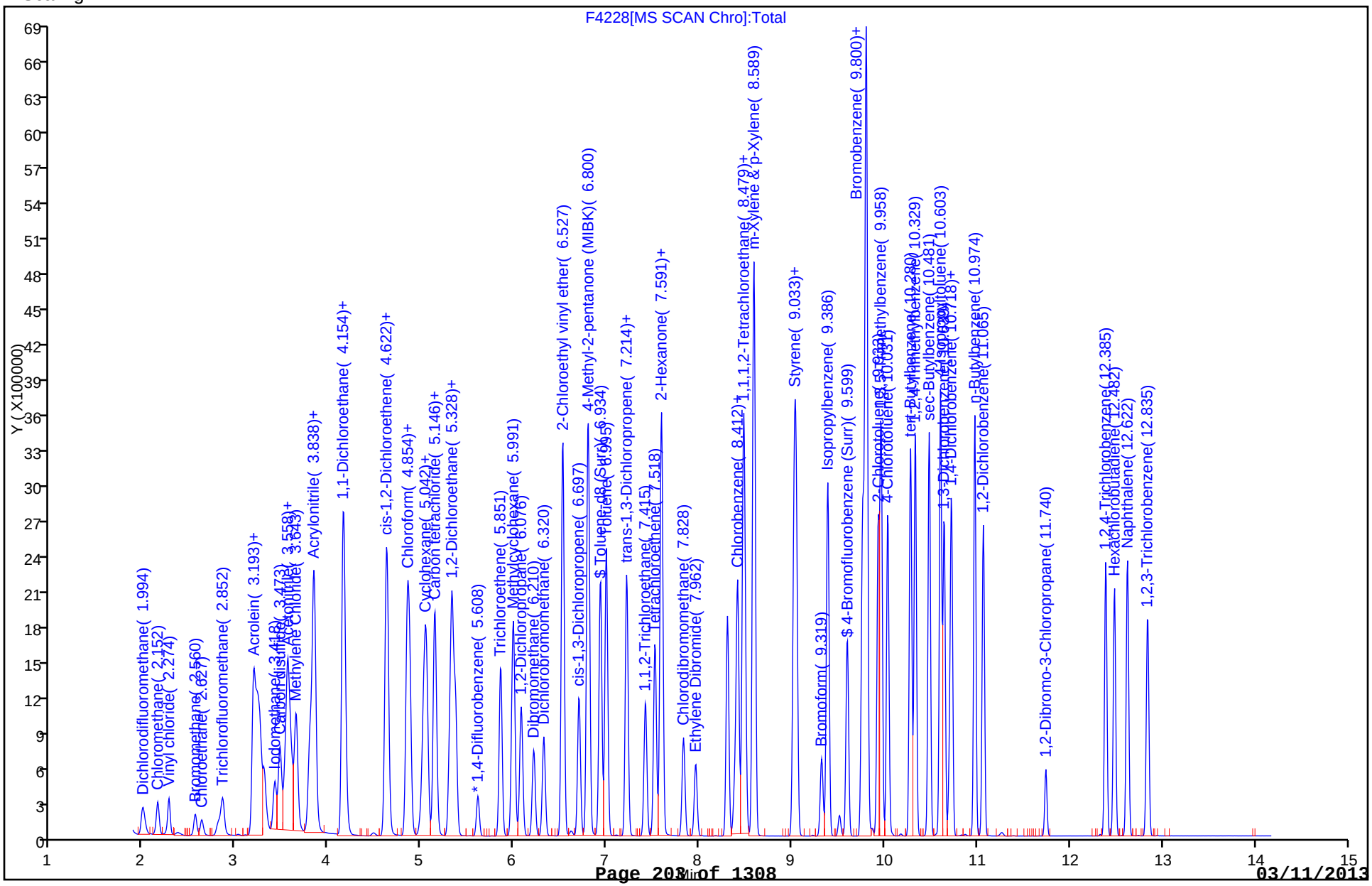
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
120 Hexachlorobutadiene	225	12.482	12.483	-0.001	95	491346	202.8	
121 Naphthalene	128	12.622	12.623	-0.001	96	2373752	183.0	
122 1,2,3-Trichlorobenzene	180	12.841	12.842	-0.001	94	792418	191.3	
S 125 1,2-Dichloroethene, Total	1				0		395.2	
S 126 1,3-Dichloropropene, Total	1				0		418.2	
S 123 Total BTEX	1				0		1179.4	
S 124 Xylenes, Total	1				0		587.4	

Report Date: 11-Dec-2012 22:38:03 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973F\20121211-17433.b\F4228.D		
Injection Date:	11-Dec-2012 18:24:30	Limit Group:	MV - 8260MCP_RCP
Client ID:		Instrument ID:	HP5973F
Lims Batch ID:	95189	Lims Sample ID:	9
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.: 480-30197-1 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.: 480-30197-1 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	

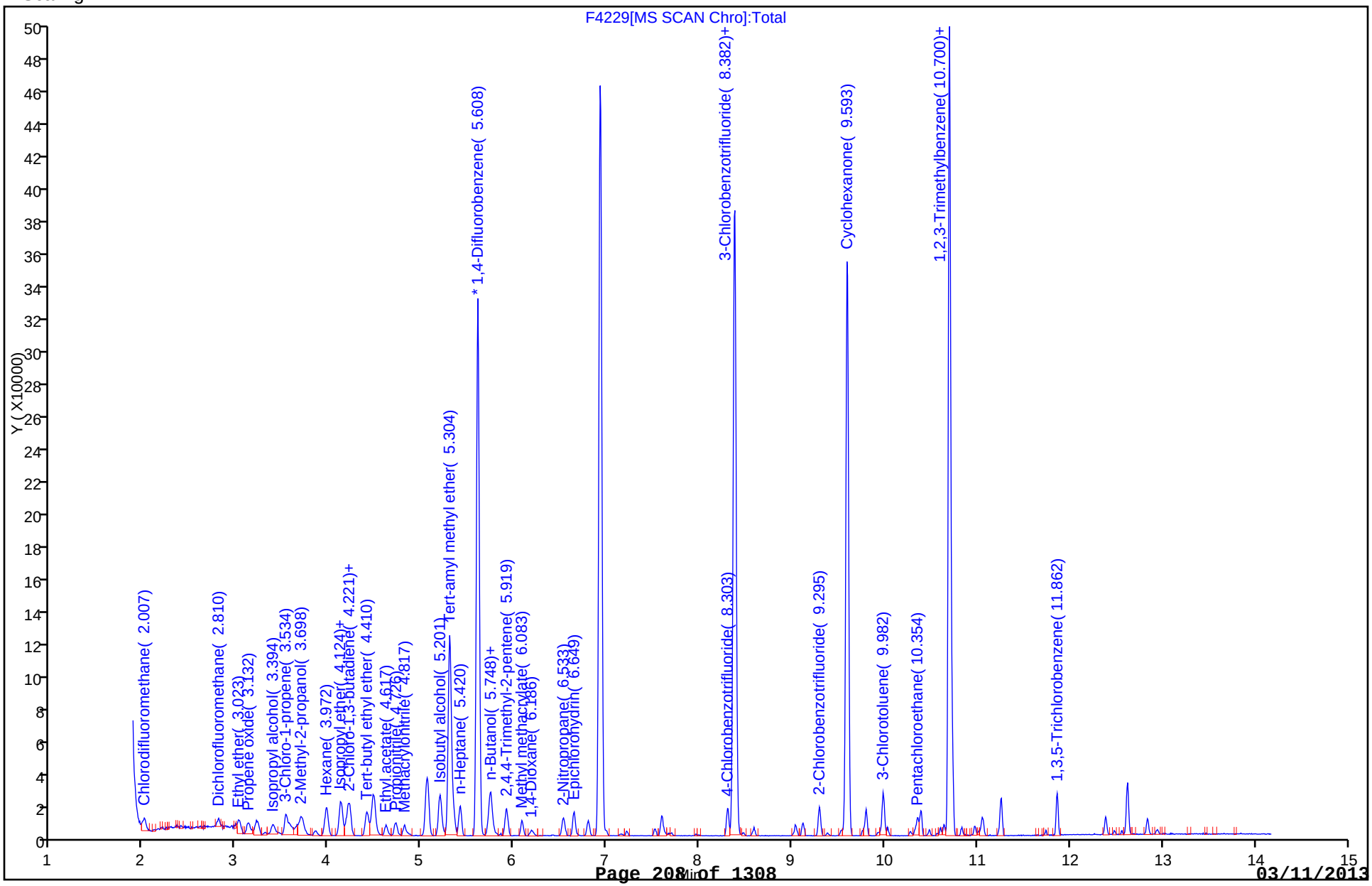
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
86 4-Chlorobenzotrifluoride	180	8.303	8.309	-0.006	30	10527	0	
85 3-Chlorobenzotrifluoride	180	8.358	8.364	-0.006	19	10483	0	
93 2-Chlorobenzotrifluoride	180	9.295	9.295	0.0	40	10610	0	
96 Cyclohexanone	55	9.581	9.581	0.0	81	14065	0	
104 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	

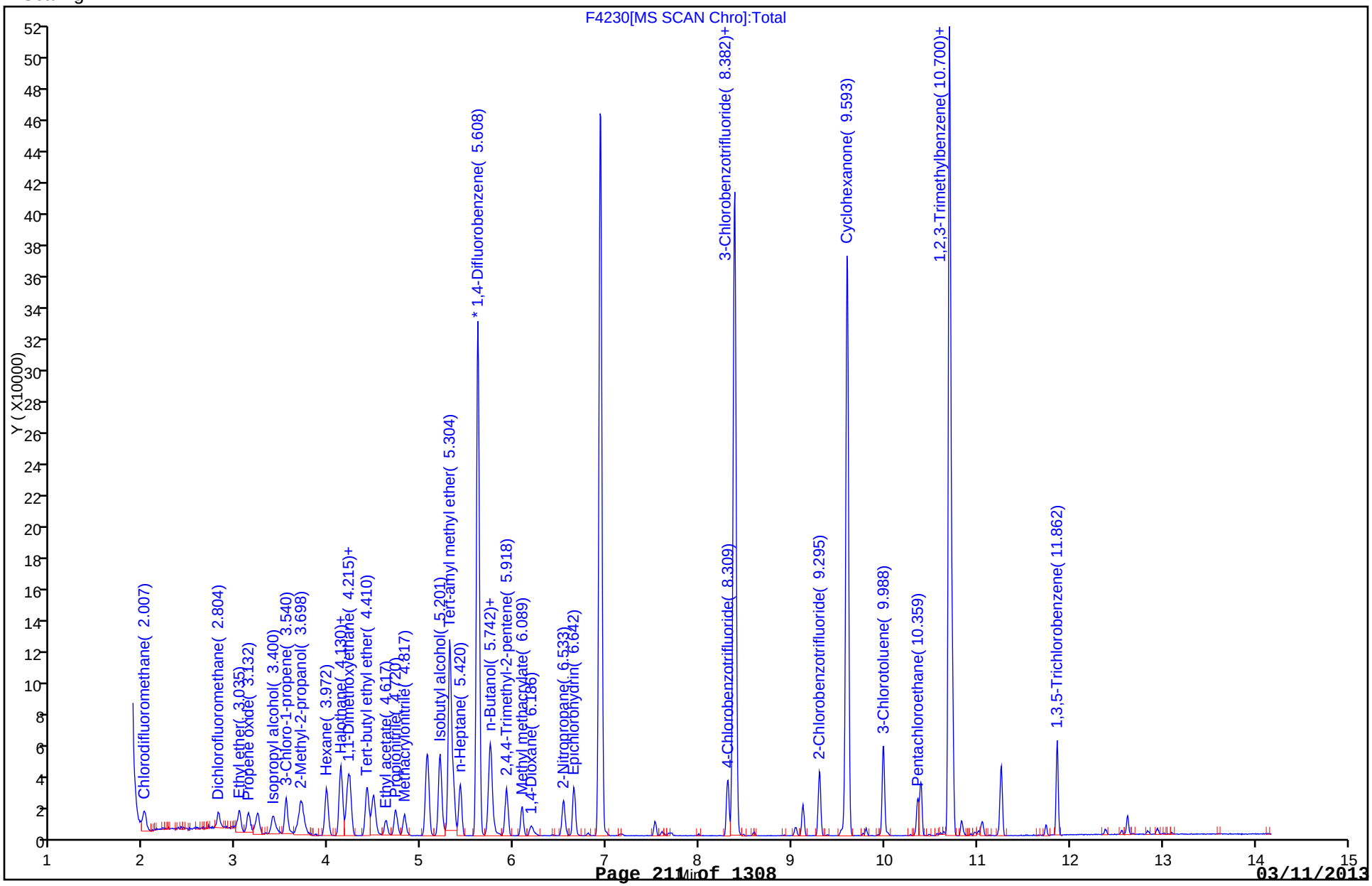
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
86 4-Chlorobenzotrifluoride	180	8.309	8.309	0.0	50	21008	0	
85 3-Chlorobenzotrifluoride	180	8.364	8.364	0.0	59	20537	0	
93 2-Chlorobenzotrifluoride	180	9.301	9.295	0.006	68	21792	0	
96 Cyclohexanone	55	9.581	9.581	0.0	89	28812	0	
104 3-Chlorotoluene	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	

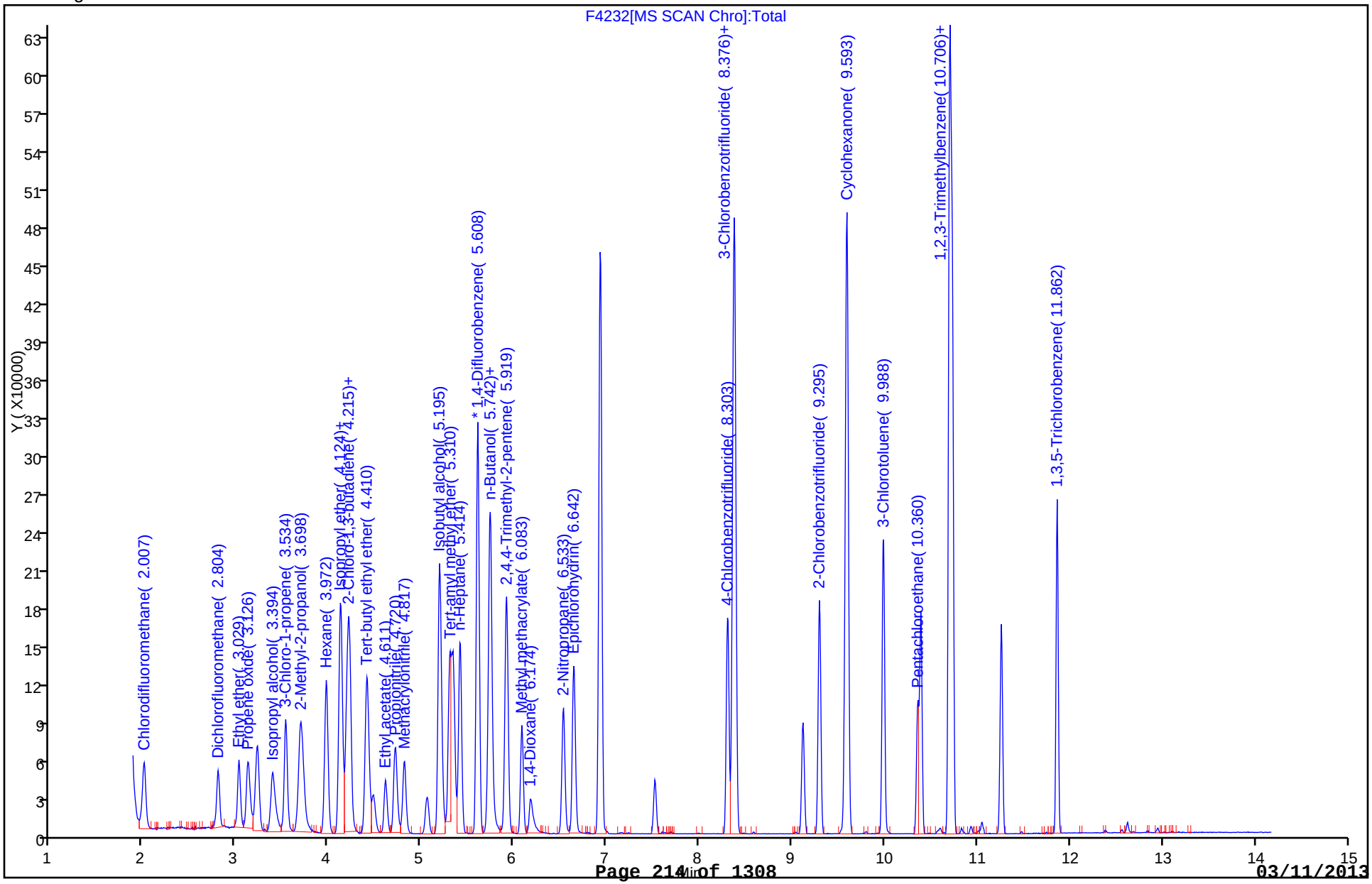
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
86 4-Chlorobenzotrifluoride	180	8.303	8.309	-0.006	87	87432	0	
85 3-Chlorobenzotrifluoride	180	8.364	8.364	0.0	88	86473	0	
93 2-Chlorobenzotrifluoride	180	9.295	9.295	0.0	95	89381	0	
96 Cyclohexanone	55	9.581	9.581	0.0	92	118040	0	
104 3-Chlorotoluene	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	

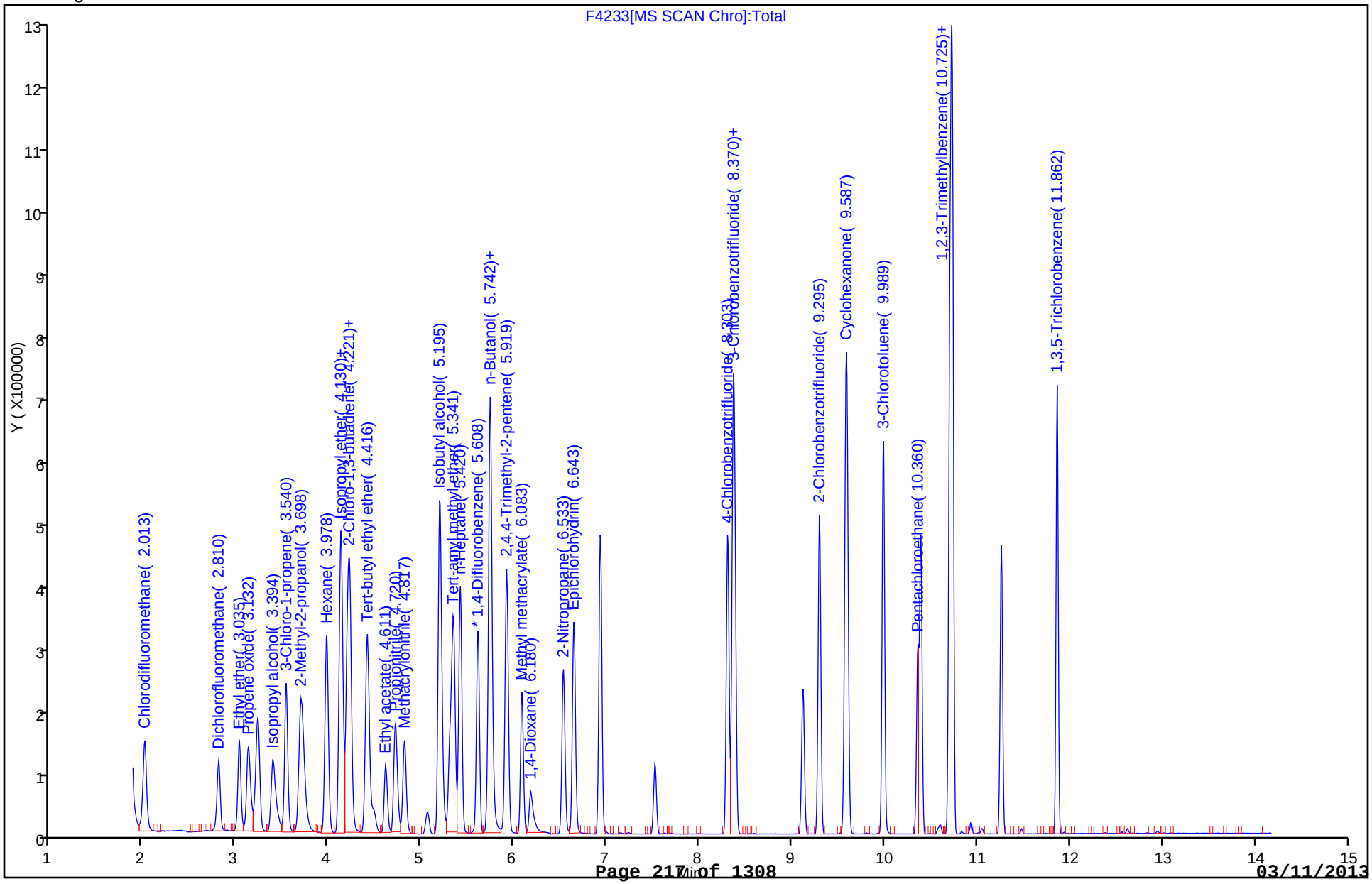
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
86 4-Chlorobenzotrifluoride	180	8.309	8.309	0.0	91	231467	0	
85 3-Chlorobenzotrifluoride	180	8.364	8.364	0.0	88	229144	0	
93 2-Chlorobenzotrifluoride	180	9.295	9.295	0.0	98	235170	0	
96 Cyclohexanone	55	9.581	9.581	0.0	92	300034	0	
104 3-Chlorotoluene	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	

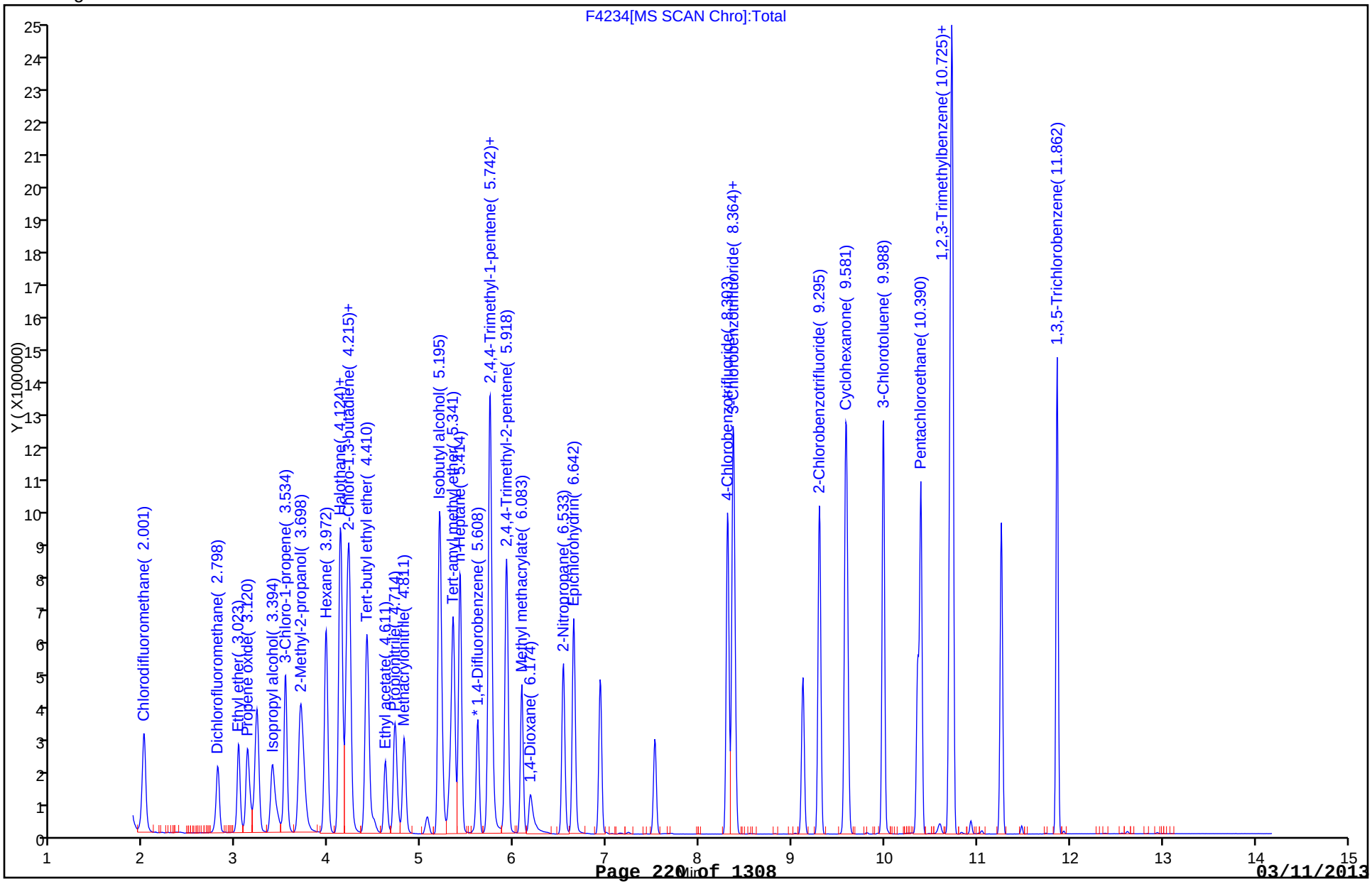
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
86 4-Chlorobenzotrifluoride	180	8.303	8.309	-0.006	92	489158	0	
85 3-Chlorobenzotrifluoride	180	8.364	8.364	0.0	91	474682	0	
93 2-Chlorobenzotrifluoride	180	9.295	9.295	0.0	97	486011	0	
96 Cyclohexanone	55	9.581	9.581	0.0	91	625245	0	
104 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	

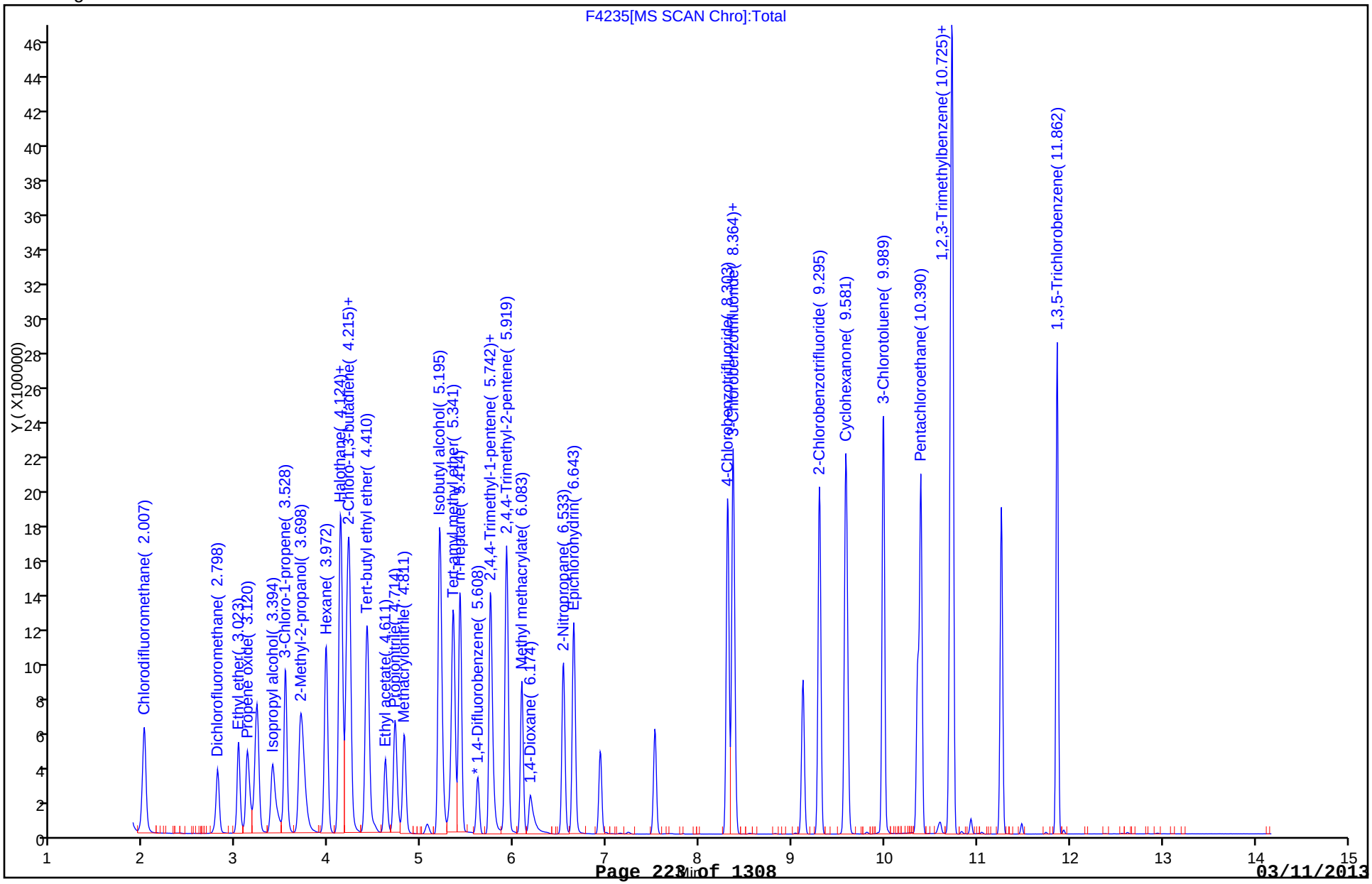
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
86 4-Chlorobenzotrifluoride	180	8.303	8.309	-0.006	92	964928	0	
85 3-Chlorobenzotrifluoride	180	8.364	8.364	0.0	92	943913	0	
93 2-Chlorobenzotrifluoride	180	9.295	9.295	0.0	97	965351	0	
96 Cyclohexanone	55	9.581	9.581	0.0	90	1154228	0	
104 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	

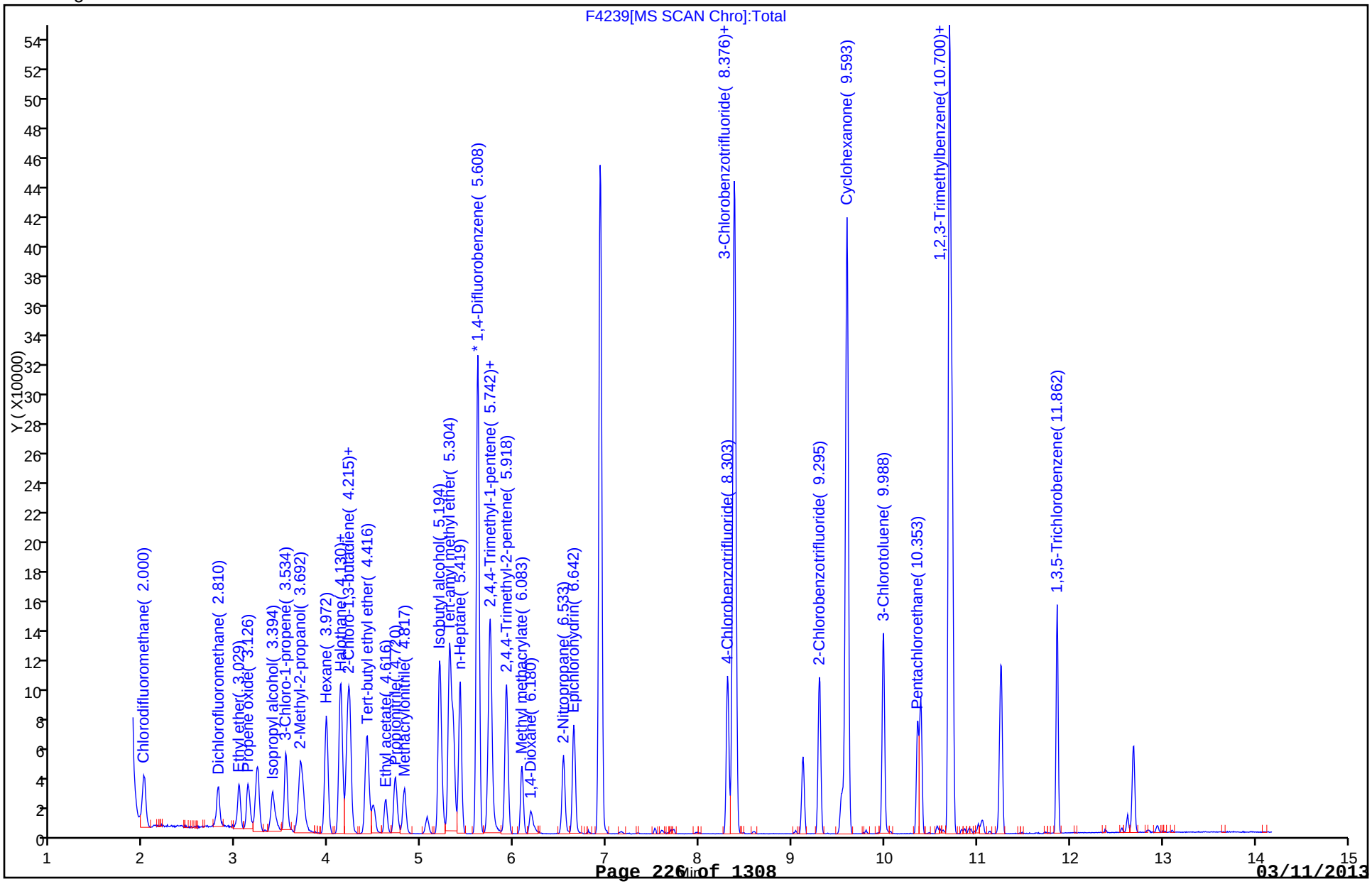
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
86 4-Chlorobenzotrifluoride	180	8.303	8.309	-0.006	83	55096	0	
85 3-Chlorobenzotrifluoride	180	8.364	8.364	0.0	74	54628	0	
93 2-Chlorobenzotrifluoride	180	9.301	9.295	0.006	93	53201	0	
96 Cyclohexanone	55	9.581	9.581	0.0	89	70159	0	
104 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.: 480-30197-1 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.: 480-30197-1 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.: 480-30197-1 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.: 480-30197-1 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.: 480-30197-1 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.: 480-30197-1 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.: 480-30197-1 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.: 480-30197-1 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.: 480-30197-1 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.: 480-30197-1 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	

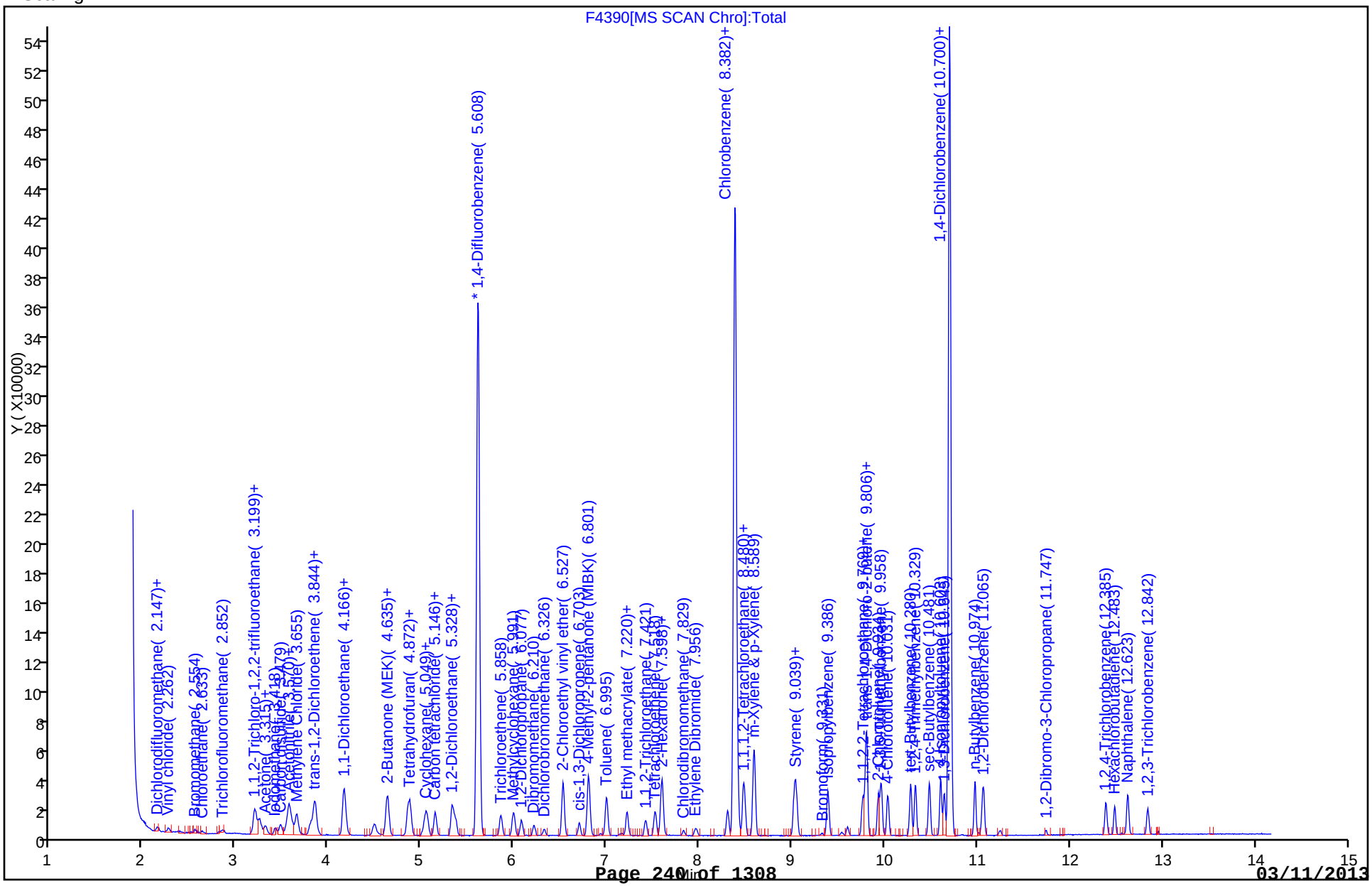
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
51 1,1,1-Trichloroethane	97	5.024	5.024	0.0	46	7049	2.85	
52 Cyclohexane	56	5.055	5.055	0.0	59	9071	2.74	
54 1,1-Dichloropropene	75	5.146	5.140	0.006	52	7327	2.24	
55 Carbon tetrachloride	117	5.152	5.152	0.0	41	4869	3.24	
57 Benzene	78	5.334	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	

Report Date: 26-Dec-2012 09:55:55 Chrom Revision: 2.0 22-Oct-2012 16:30:48
Data File: \\Bufchrom\ChromData\HP5973F\20121217-17620.b\F4391.D

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

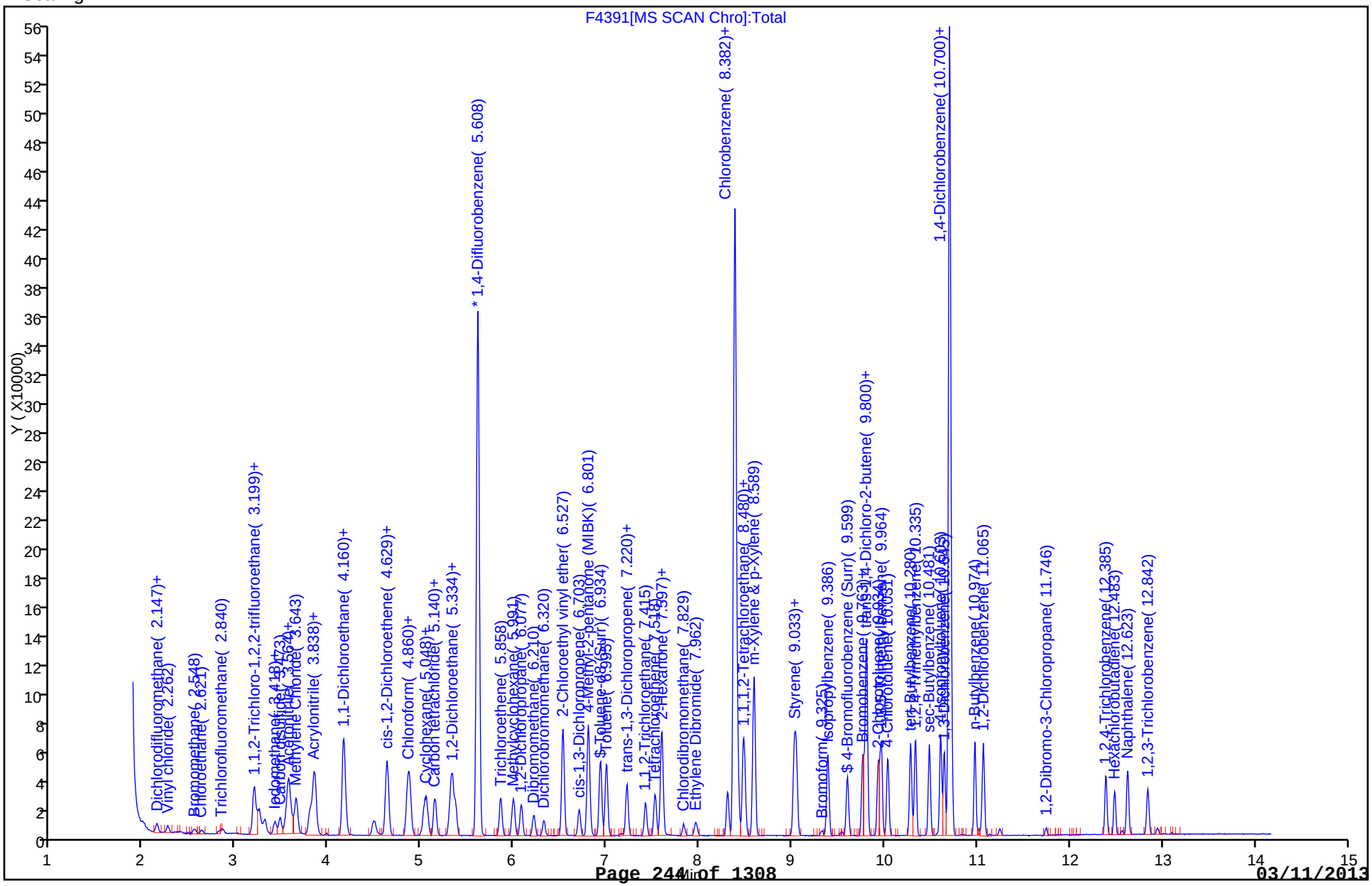
Review Flags
M - Manually Integrated

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

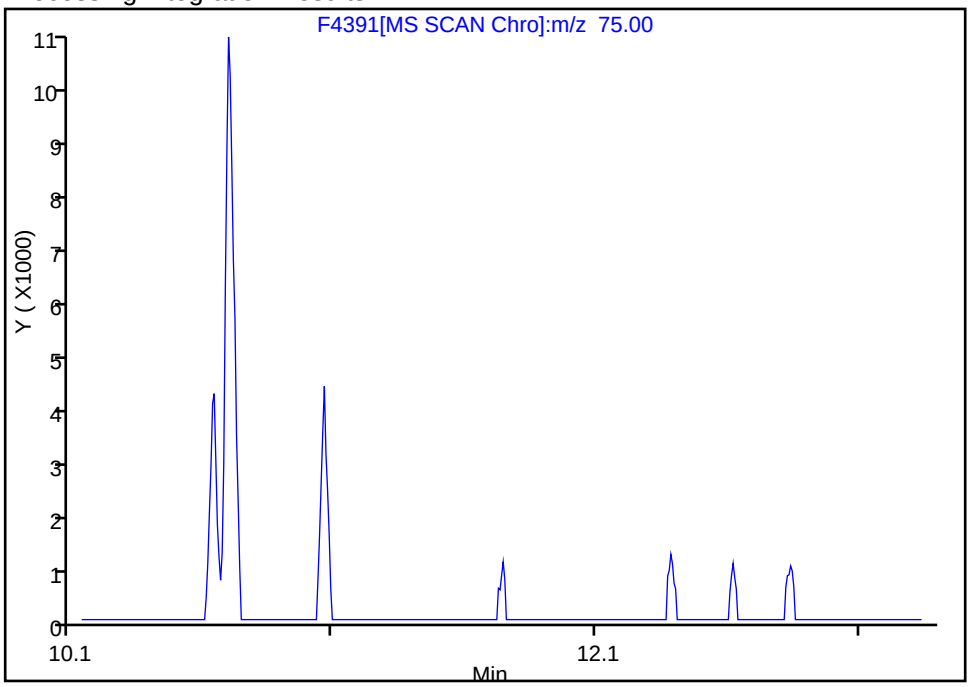
TestAmerica Buffalo

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

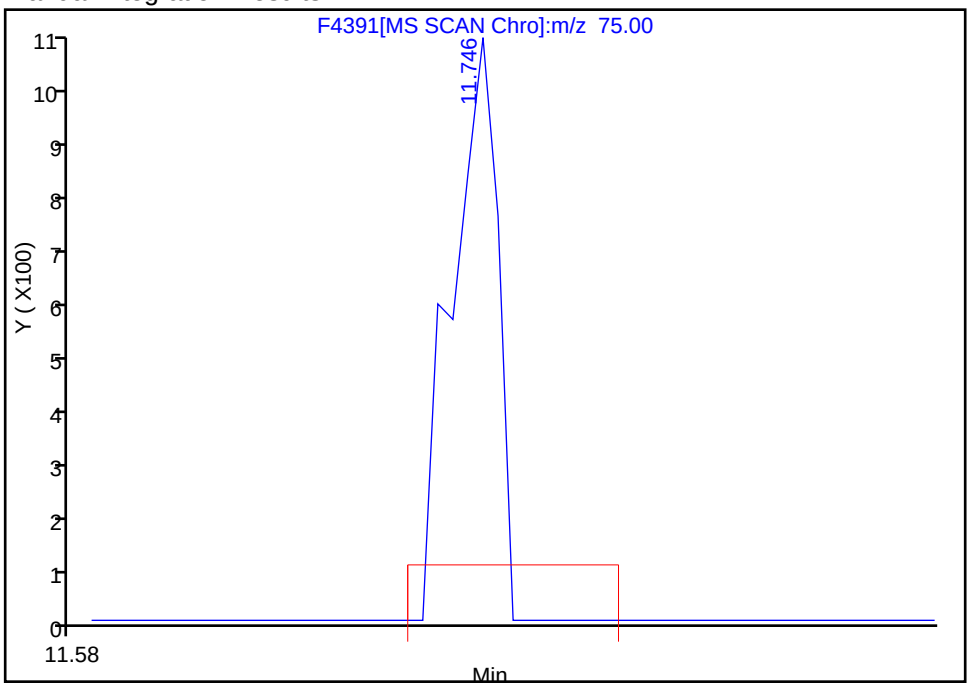
Processing Integration Results

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	

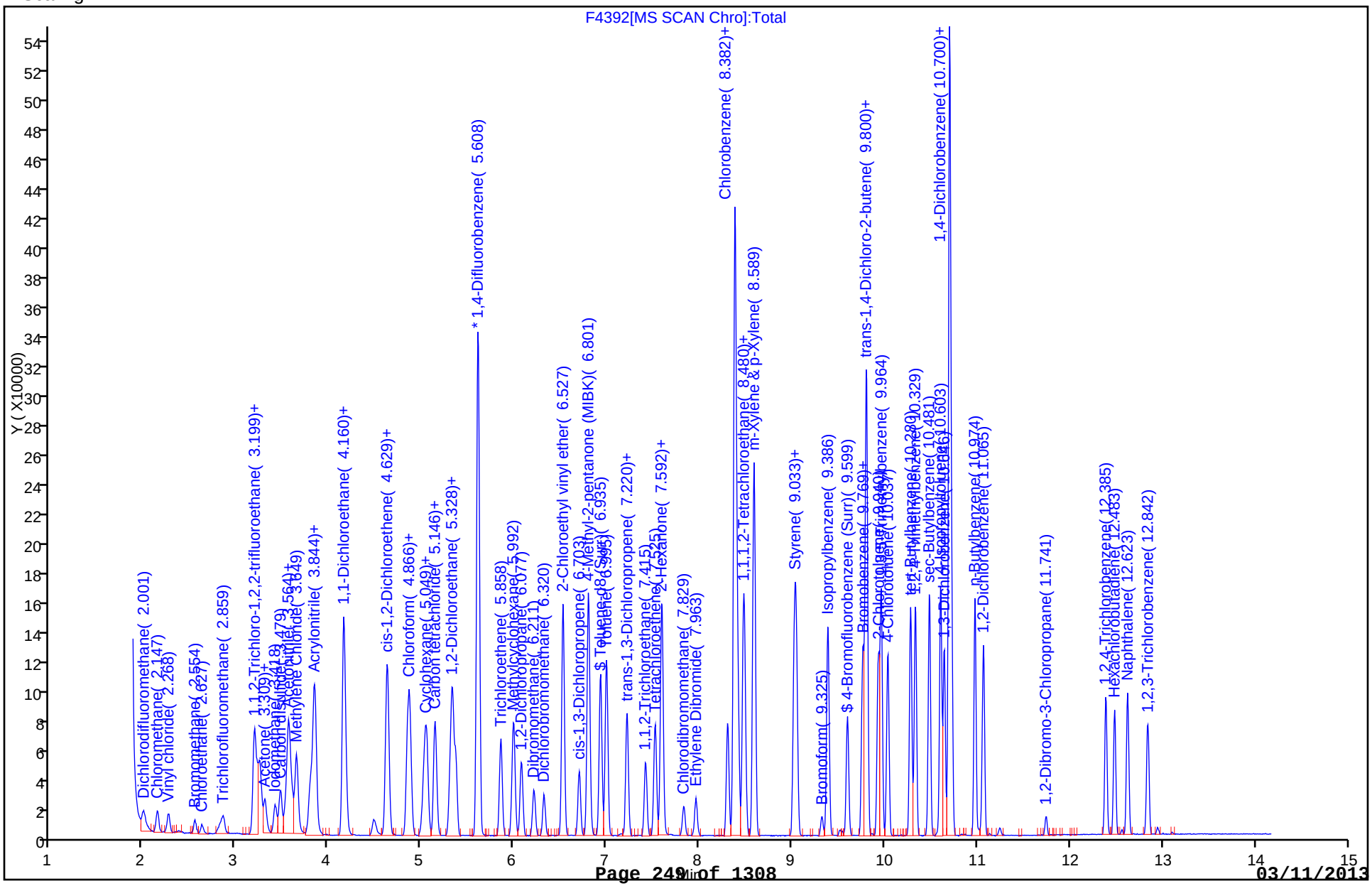
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
120 Hexachlorobutadiene	225	12.483	12.483	0.0	81	21081	10.5	
121 Naphthalene	128	12.623	12.623	0.0	90	100993	9.94	
122 1,2,3-Trichlorobenzene	180	12.842	12.842	0.0	85	34471	10.2	
S 123 Total BTEX	1				0		63.1	
S 124 Xylenes, Total	1				0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

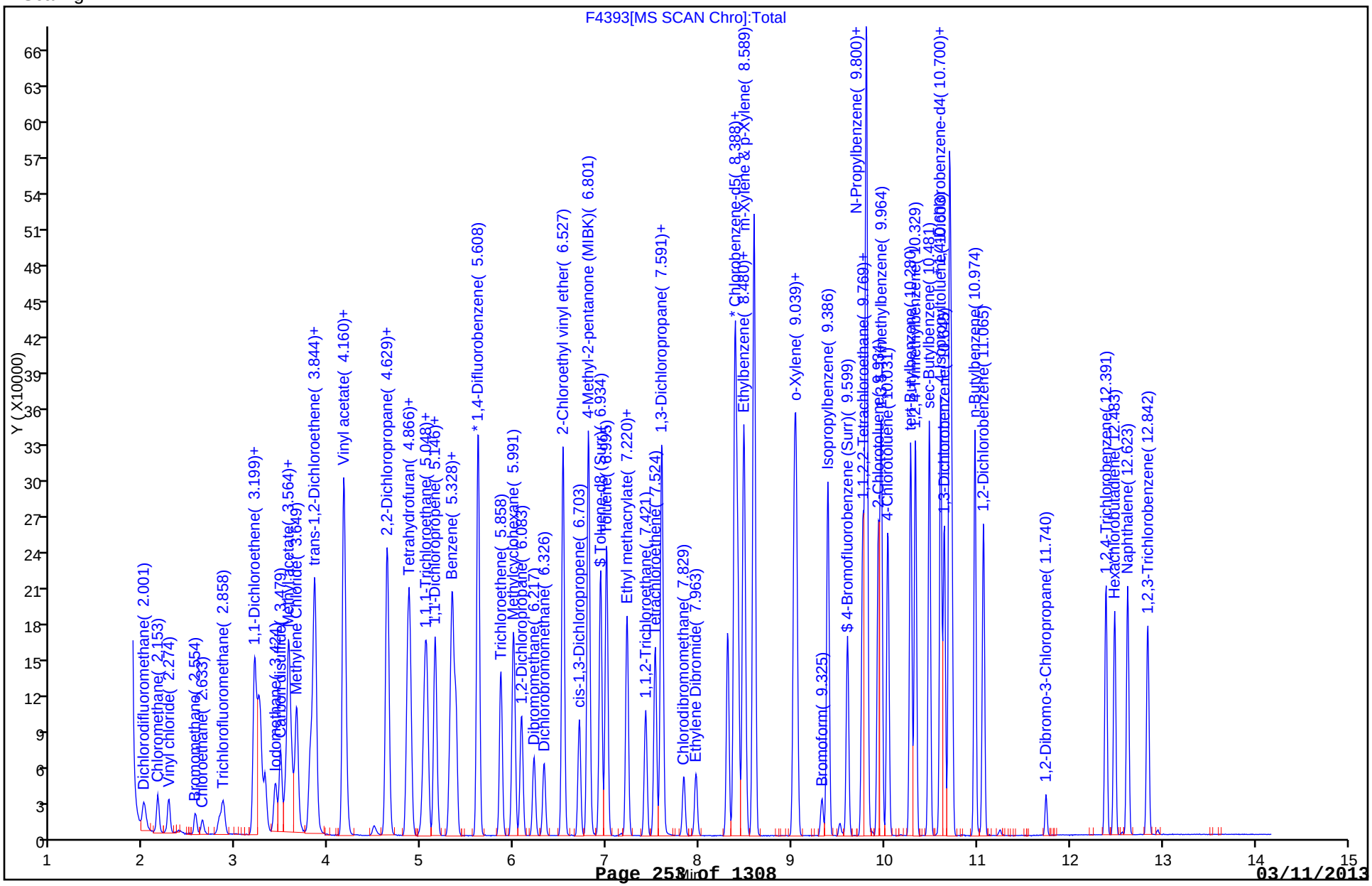
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
120 Hexachlorobutadiene	225	12.483	12.483	0.0	89	45787	22.8	
121 Naphthalene	128	12.623	12.623	0.0	95	213920	21.1	
122 1,2,3-Trichlorobenzene	180	12.842	12.842	0.0	93	75828	22.5	
S 123 Total BTEX	1				0		132.9	
S 124 Xylenes, Total	1			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

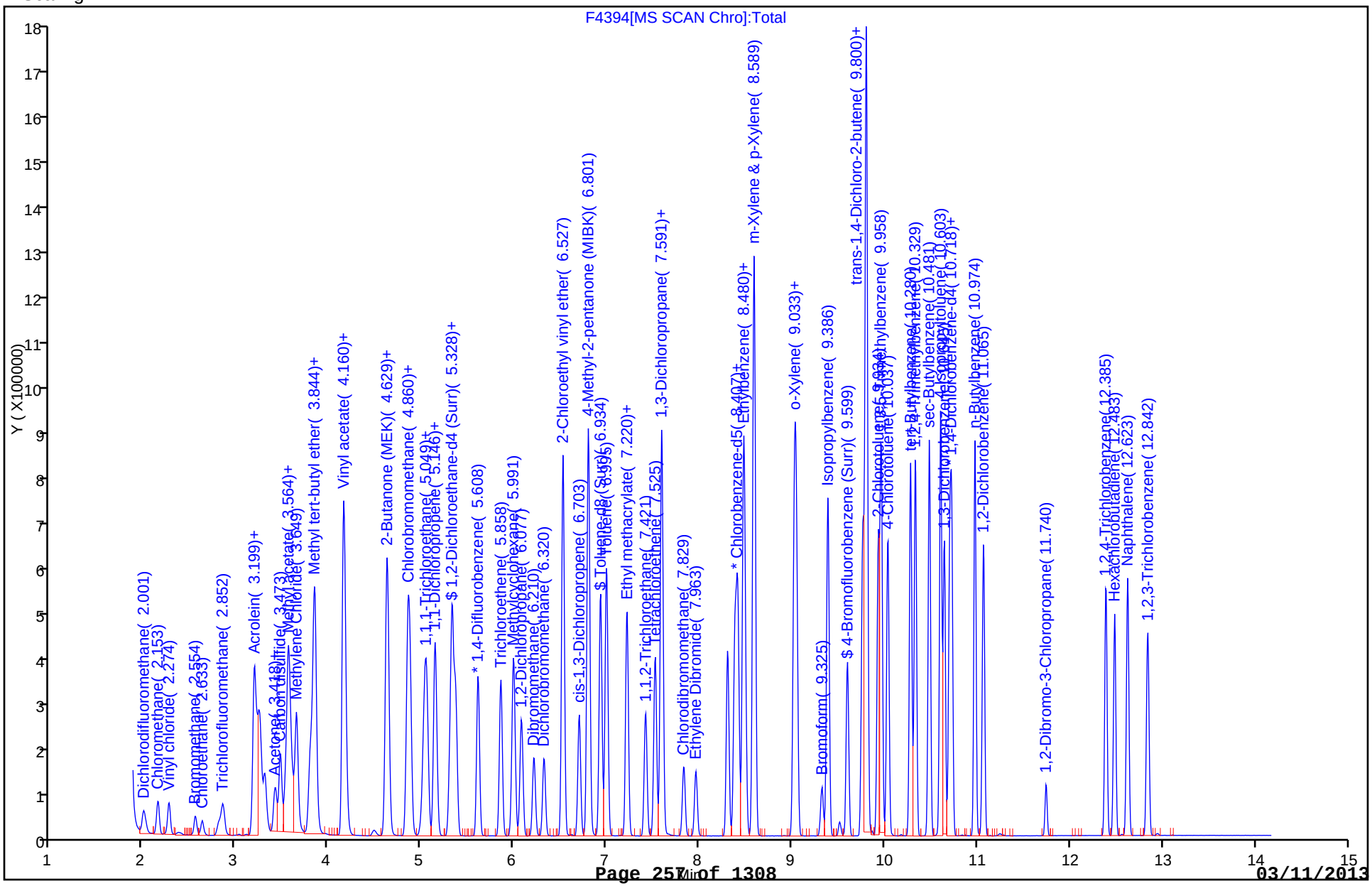
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
120 Hexachlorobutadiene	225	12.483	12.483	0.0	94	110386	52.9	
121 Naphthalene	128	12.623	12.623	0.0	96	556405	52.7	
122 1,2,3-Trichlorobenzene	180	12.842	12.842	0.0	95	190996	54.5	
S 123 Total BTEX	1				0		311.4	
S 124 Xylenes, Total	1	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

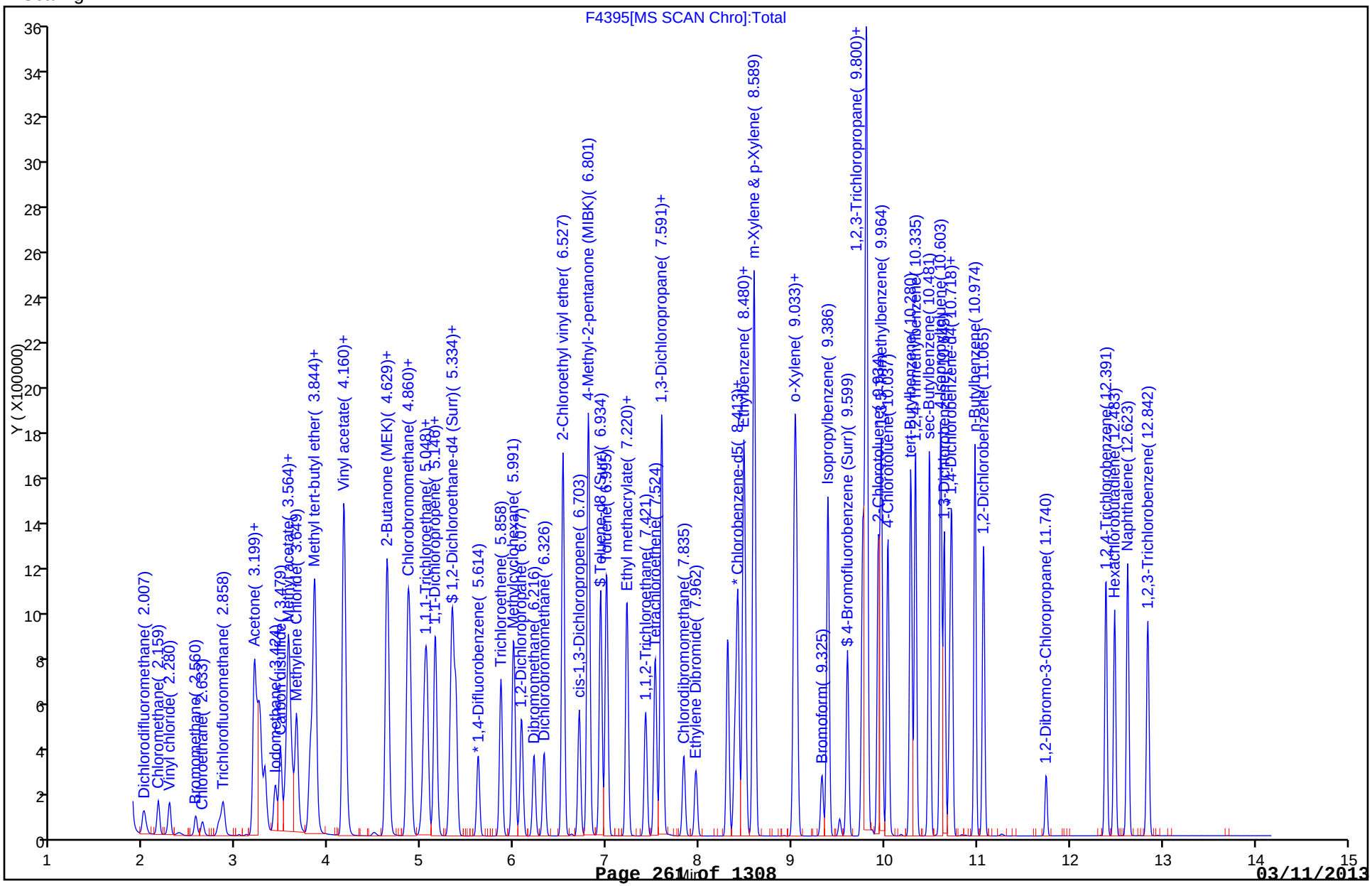
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
120 Hexachlorobutadiene	225	12.483	12.483	0.0	95	230319	107.1	
121 Naphthalene	128	12.623	12.623	-0.001	96	1204755	110.8	
122 1,2,3-Trichlorobenzene	180	12.842	12.842	0.0	94	398722	110.5	
S 123 Total BTEX	1				0		607.9	
S 124 Xylenes, Total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

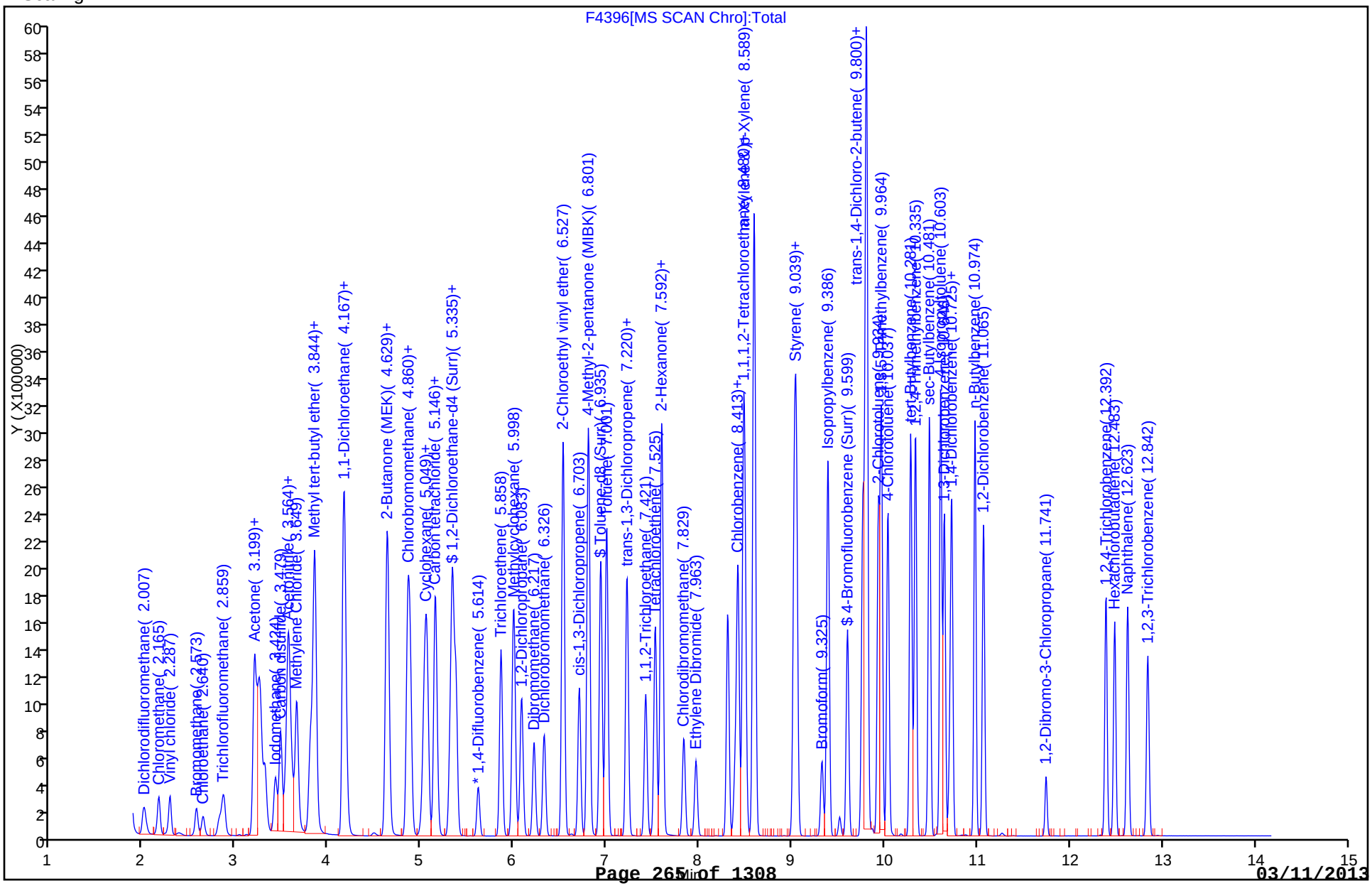
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
120 Hexachlorobutadiene	225	12.483	12.483	0.0	95	379329	186.2	
121 Naphthalene	128	12.623	12.623	0.0	96	1758675	170.8	
122 1,2,3-Trichlorobenzene	180	12.842	12.842	0.0	95	579860	169.6	
S 123 Total BTEX	1				0		1165.4	
S 124 Xylenes, Total	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.: 480-30197-1

SDG No.:

Lab Sample ID: CCVIS 480-96032/3 Calibration Date: 12/16/2012 11:10

Instrument ID: HP5973F Calib Start Date: 12/11/2012 15:52

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/11/2012 18:24

Lab File ID: F4352.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	Ave	0.2631	0.2741	0.1000	52.1	50.0	4.2	20.0
Chloromethane	Ave	0.2989	0.3127	0.0500	52.3	50.0	4.6	20.0
Vinyl chloride	Ave	0.2792	0.3067	0.1000	54.9	50.0	9.8	20.0
Bromomethane	Lin		0.1093	0.0500	54.3	50.0	8.6	20.0
Chloroethane	Lin1		0.1088	0.1000	53.7	50.0	7.4	20.0
Trichlorofluoromethane	Ave	0.3225	0.3764	0.1000	58.4	50.0	16.7	20.0
Acrolein	Ave	0.0631	0.0559		886	1000	-11.4	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.2830	0.2892	0.1000	51.1	50.0	2.2	20.0
1,1-Dichloroethene	Ave	0.3202	0.3495	0.1000	54.6	50.0	9.2	20.0
Acetone	Ave	0.1413	0.1275	0.0500	226	250	-9.8	20.0
Iodomethane	Ave	0.5064	0.5060		50.0	50.0	-0.0	20.0
Carbon disulfide	Ave	0.9786	0.9716	0.1000	49.6	50.0	-0.7	20.0
Methyl acetate	Ave	0.4954	0.4305	0.1000	43.4	50.0	-13.1	20.0
Acetonitrile	Ave	0.0322	0.0305		1890	2000	-5.4	20.0
Methylene Chloride	Ave	0.4322	0.3928	0.1000	45.4	50.0	-9.1	20.0
Methyl tert-butyl ether	Ave	1.032	0.9625	0.1000	46.6	50.0	-6.7	20.0
trans-1,2-Dichloroethene	Ave	0.3853	0.4168	0.1000	54.1	50.0	8.2	20.0
Acrylonitrile	Ave	0.1756	0.1617		230	250	-8.0	20.0
Vinyl acetate	Ave	0.7275	0.6899		237	250	-5.2	20.0
1,1-Dichloroethane	Ave	0.6239	0.6479	0.2000	51.9	50.0	3.8	20.0
2-Butanone (MEK)	Ave	0.2327	0.2079	0.0500	223	250	-10.7	20.0
2,2-Dichloropropane	Ave	0.4793	0.5235		54.6	50.0	9.2	20.0
cis-1,2-Dichloroethene	Ave	0.4214	0.4471	0.1000	53.1	50.0	6.1	20.0
Chlorobromomethane	Ave	0.2212	0.2240		50.6	50.0	1.3	20.0
Tetrahydrofuran	Ave	0.1550	0.1381		223	250	-10.9	20.0
Chloroform	Ave	0.6048	0.6298	0.2000	52.1	50.0	4.1	20.0
1,1,1-Trichloroethane	Ave	0.5169	0.5622	0.1000	54.4	50.0	8.8	20.0
Cyclohexane	Ave	0.5834	0.6026	0.1000	51.6	50.0	3.3	20.0
1,1-Dichloropropene	Ave	0.4575	0.5047		55.2	50.0	10.3	20.0
Carbon tetrachloride	Ave	0.4558	0.4988	0.1000	54.7	50.0	9.4	20.0
Benzene	Ave	1.438	1.522	0.5000	52.9	50.0	5.9	20.0
1,2-Dichloroethane	Ave	0.4515	0.4512	0.1000	50.0	50.0	-0.0	20.0
Trichloroethene	Ave	0.3882	0.4097	0.2000	52.8	50.0	5.5	20.0
Methylcyclohexane	Ave	0.5989	0.6369	0.1000	53.2	50.0	6.3	20.0
1,2-Dichloropropane	Ave	0.3587	0.3739	0.1000	52.1	50.0	4.2	20.0
Dibromomethane	Ave	0.2159	0.2109		48.8	50.0	-2.3	20.0
Dichlorobromomethane	Ave	0.4354	0.4417	0.1000	50.7	50.0	1.4	20.0
2-Chloroethyl vinyl ether	Ave	0.2532	0.2374		234	250	-6.2	20.0
cis-1,3-Dichloropropene	Ave	0.5589	0.5737	0.2000	51.3	50.0	2.6	20.0
4-Methyl-2-pentanone (MIBK)	Ave	1.038	0.8773	0.0500	211	250	-15.4	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-30197-1

SDG No.:

Lab Sample ID: CCVIS 480-96032/3 Calibration Date: 12/16/2012 11:10

Instrument ID: HP5973F Calib Start Date: 12/11/2012 15:52

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/11/2012 18:24

Lab File ID: F4352.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	2.220	2.290	0.4000	51.6	50.0	3.2	20.0
Ethyl methacrylate	Ave	1.160	1.039		44.8	50.0	-10.4	20.0
trans-1,3-Dichloropropene	Ave	1.151	1.116	0.1000	48.5	50.0	-3.1	20.0
1,1,2-Trichloroethane	Ave	0.6102	0.5849	0.1000	47.9	50.0	-4.1	20.0
Tetrachloroethene	Ave	1.014	1.091	0.1000	53.8	50.0	7.6	20.0
1,3-Dichloropropane	Ave	1.250	1.177		47.1	50.0	-5.9	20.0
2-Hexanone	Ave	0.7632	0.6488	0.0500	213	250	-15.0	20.0
Chlorodibromomethane	Ave	0.8572	0.8387	0.1000	48.9	50.0	-2.2	20.0
Ethylene Dibromide	Ave	0.8598	0.7992	0.1000	46.5	50.0	-7.0	20.0
Chlorobenzene	Ave	2.667	2.755	0.5000	51.6	50.0	3.3	20.0
Ethylbenzene	Ave	4.109	4.256	0.1000	51.8	50.0	3.6	20.0
1,1,1,2-Tetrachloroethane	Ave	0.9133	0.9314		51.0	50.0	2.0	20.0
m-Xylene & p-Xylene	Ave	1.736	1.809	0.1000	104	100	4.2	20.0
o-Xylene	Ave	1.699	1.758	0.3000	51.8	50.0	3.5	20.0
Styrene	Ave	2.827	2.881	0.3000	51.0	50.0	1.9	20.0
Bromoform	Lin1		0.5361	0.1000	40.5	50.0	-18.9	20.0
Isopropylbenzene	Ave	3.814	3.968	0.1000	52.0	50.0	4.0	20.0
1,1,2,2-Tetrachloroethane	Ave	0.9749	0.8897	0.3000	45.6	50.0	-8.7	20.0
Bromobenzene	Ave	1.092	1.079		49.4	50.0	-1.2	20.0
N-Propylbenzene	Ave	4.398	4.584		52.1	50.0	4.2	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2603	0.2322		223	250	-10.8	20.0
1,2,3-Trichloropropane	Ave	0.3138	0.2814		44.8	50.0	-10.3	20.0
2-Chlorotoluene	Ave	1.044	1.066		51.1	50.0	2.1	20.0
1,3,5-Trimethylbenzene	Ave	3.267	3.362		51.5	50.0	2.9	20.0
4-Chlorotoluene	Ave	1.075	1.099		51.1	50.0	2.2	20.0
tert-Butylbenzene	Ave	0.7952	0.8359		52.6	50.0	5.1	20.0
1,2,4-Trimethylbenzene	Ave	3.282	3.342		50.9	50.0	1.8	20.0
sec-Butylbenzene	Ave	4.134	4.347		52.6	50.0	5.2	20.0
4-Isopropyltoluene	Ave	3.831	4.029		52.6	50.0	5.2	20.0
1,3-Dichlorobenzene	Ave	2.084	2.084	0.6000	50.0	50.0	-0.0	20.0
1,4-Dichlorobenzene	Ave	2.115	2.095	0.5000	49.5	50.0	-1.0	20.0
n-Butylbenzene	Ave	3.043	3.221		52.9	50.0	5.9	20.0
1,2-Dichlorobenzene	Ave	1.996	1.945	0.4000	48.7	50.0	-2.6	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.1755	0.1535	0.0500	43.7	50.0	-12.6	20.0
1,2,4-Trichlorobenzene	Ave	1.310	1.320	0.2000	50.4	50.0	0.7	20.0
Hexachlorobutadiene	Ave	0.6909	0.7193		52.1	50.0	4.1	20.0
Naphthalene	Ave	3.700	3.217		43.5	50.0	-13.0	20.0
1,2,3-Trichlorobenzene	Ave	1.181	1.156		48.9	50.0	-2.1	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.1813	0.1451		40.0	50.0	-19.9	20.0
Toluene-d8 (Surr)	Ave	3.017	2.649		43.9	50.0	-12.2	20.0
4-Bromofluorobenzene (Surr)	Ave	1.064	0.8849		41.6	50.0	-16.8	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20121216-17581.b\F4352.D
Lims ID: CCVIS Client ID:
Inject. Date: 16-Dec-2012 11:10:30 Dil. Factor: 1.0000
Sample Type: CCVIS
Sample ID: CCVIS
Misc. Info.: 480-0017581-003 =480-0017581-003
Operator: JMB Instrument ID: HP5973F
Purge Vol: 5.000 mL ALS Bottle#: 3
Lims Batch ID: 96032 Lims Sample ID: 3
Sublist: chrom-F-8260 SOIL*sub1
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973F\20121216-17581.b\F-8260 SOIL.m
Last Update: 16-Dec-2012 21:09:08 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: XAWRK014

First Level Reviewer: cwiklinc Date: 16-Dec-2012 21:09:08

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	337763	50.0	
* 2 Chlorobenzene-d5	82	8.382	8.382	0.0	70	150296	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.700	10.700	0.0	71	169851	50.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.304	5.304	0.0	94	49024	40.0	
$ 5 Toluene-d8 (Surr)	98	6.934	6.934	0.0	91	398082	43.9	
$ 6 4-Bromofluorobenzene (Surr)	174	9.599	9.599	0.0	93	132994	41.6	
10 Dichlorodifluoromethane	85	2.001	2.001	0.0	83	92577	52.1	
12 Chloromethane	50	2.153	2.153	0.0	89	105613	52.3	
13 Vinyl chloride	62	2.274	2.274	0.0	83	103595	54.9	
14 Bromomethane	94	2.560	2.560	0.0	88	36919	54.3	
15 Chloroethane	64	2.633	2.633	0.0	93	36732	53.7	
17 Trichlorofluoromethane	101	2.846	2.846	0.0	83	127121	58.4	
20 Acrolein	56	3.193	3.193	0.0	96	377276	885.7	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.223	3.223	0.0	80	97685	51.1	
22 1,1-Dichloroethene	96	3.254	3.254	0.0	85	118040	54.6	
23 Acetone	43	3.309	3.309	0.0	98	215307	225.5	
25 Iodomethane	142	3.418	3.418	0.0	96	170895	50.0	
26 Carbon disulfide	76	3.473	3.473	0.0	99	328176	49.6	
27 Methyl acetate	43	3.528	3.528	0.0	91	145400	43.4	
29 Acetonitrile	40	3.564	3.564	0.0	99	411841	1892.0	
30 Methylene Chloride	84	3.649	3.649	0.0	85	132685	45.4	
32 Methyl tert-butyl ether	73	3.807	3.807	0.0	89	325103	46.6	
34 trans-1,2-Dichloroethene	96	3.838	3.838	0.0	96	140762	54.1	
33 Acrylonitrile	53	3.850	3.850	0.0	99	272991	230.1	
37 Vinyl acetate	43	4.154	4.154	0.0	97	1165167	237.1	
39 1,1-Dichloroethane	63	4.172	4.172	0.0	84	218824	51.9	
43 2-Butanone (MEK)	43	4.617	4.617	0.0	100	351171	223.4	
44 2,2-Dichloropropane	77	4.623	4.623	0.0	68	176810	54.6	
45 cis-1,2-Dichloroethene	96	4.635	4.635	0.0	69	151022	53.1	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
48 Chlorobromomethane	128	4.842	4.842	0.0	90	75652	50.6	
49 Tetrahydrofuran	42	4.860	4.860	0.0	89	233288	222.8	
50 Chloroform	83	4.878	4.878	0.0	81	212734	52.1	
51 1,1,1-Trichloroethane	97	5.024	5.024	0.0	92	189887	54.4	
52 Cyclohexane	56	5.055	5.055	0.0	88	203529	51.6	
54 1,1-Dichloropropene	75	5.140	5.140	0.0	93	170478	55.2	
55 Carbon tetrachloride	117	5.152	5.152	0.0	79	168485	54.7	
57 Benzene	78	5.328	5.328	0.0	97	514191	52.9	
58 1,2-Dichloroethane	62	5.371	5.371	0.0	77	152404	50.0	
62 Trichloroethene	95	5.851	5.851	0.0	90	138396	52.8	
64 Methylcyclohexane	83	5.991	5.991	0.0	88	215117	53.2	
65 1,2-Dichloropropane	63	6.077	6.077	0.0	93	126288	52.1	
67 Dibromomethane	93	6.210	6.210	0.0	83	71238	48.8	
68 Dichlorobromomethane	83	6.320	6.320	0.0	93	149185	50.7	
69 2-Chloroethyl vinyl ether	63	6.527	6.527	0.0	91	400925	234.4	
72 cis-1,3-Dichloropropene	75	6.703	6.703	0.0	90	193776	51.3	
73 4-Methyl-2-pentanone (MIBK)	43	6.801	6.801	0.0	95	659271	211.4	
74 Toluene	92	6.995	6.995	0.0	98	344123	51.6	
75 Ethyl methacrylate	69	7.214	7.214	0.0	88	156121	44.8	
77 trans-1,3-Dichloropropene	75	7.220	7.220	0.0	90	167684	48.5	
79 1,1,2-Trichloroethane	83	7.421	7.421	0.0	84	87912	47.9	
81 Tetrachloroethene	166	7.524	7.524	0.0	91	163963	53.8	
82 1,3-Dichloropropane	76	7.585	7.585	0.0	90	176887	47.1	
80 2-Hexanone	43	7.591	7.591	0.0	95	487520	212.5	
83 Chlorodibromomethane	129	7.829	7.829	0.0	87	126059	48.9	
84 Ethylene Dibromide	107	7.962	7.962	0.0	98	120113	46.5	
87 Chlorobenzene	112	8.413	8.413	0.0	95	414106	51.6	
88 Ethylbenzene	91	8.473	8.473	0.0	97	639598	51.8	
89 1,1,1,2-Tetrachloroethane	131	8.492	8.492	0.0	88	139979	51.0	
90 m-Xylene & p-Xylene	106	8.589	8.589	0.0	100	543676	104.2	
91 o-Xylene	106	9.027	9.027	0.0	92	264283	51.8	
92 Styrene	104	9.045	9.045	0.0	95	433015	51.0	
95 Bromoform	173	9.325	9.325	0.0	98	80568	40.5	
94 Isopropylbenzene	105	9.386	9.386	0.0	94	674052	52.0	
97 1,1,2,2-Tetrachloroethane	83	9.757	9.757	0.0	87	151113	45.6	
101 Bromobenzene	156	9.769	9.769	0.0	87	183263	49.4	
99 N-Propylbenzene	91	9.800	9.800	0.0	95	778546	52.1	
98 trans-1,4-Dichloro-2-butene	53	9.800	9.800	0.0	53	197183	223.0	
100 1,2,3-Trichloropropane	110	9.812	9.812	0.0	69	47793	44.8	
103 2-Chlorotoluene	126	9.934	9.934	0.0	98	181006	51.1	
102 1,3,5-Trimethylbenzene	105	9.964	9.964	0.0	95	571063	51.5	
105 4-Chlorotoluene	126	10.037	10.037	0.0	95	186596	51.1	
106 tert-Butylbenzene	134	10.280	10.280	0.0	83	141976	52.6	
107 1,2,4-Trimethylbenzene	105	10.335	10.335	0.0	95	567562	50.9	
109 sec-Butylbenzene	105	10.481	10.481	0.0	93	738394	52.6	
110 4-Isopropyltoluene	119	10.603	10.603	0.0	96	684367	52.6	
111 1,3-Dichlorobenzene	146	10.645	10.645	0.0	90	353893	50.0	
113 1,4-Dichlorobenzene	146	10.724	10.724	0.0	96	355863	49.5	
115 n-Butylbenzene	91	10.974	10.974	0.0	93	547133	52.9	
116 1,2-Dichlorobenzene	146	11.065	11.065	0.0	98	330335	48.7	
117 1,2-Dibromo-3-Chloropropane	75	11.740	11.740	0.0	79	26064	43.7	
119 1,2,4-Trichlorobenzene	180	12.391	12.391	0.0	93	224159	50.4	

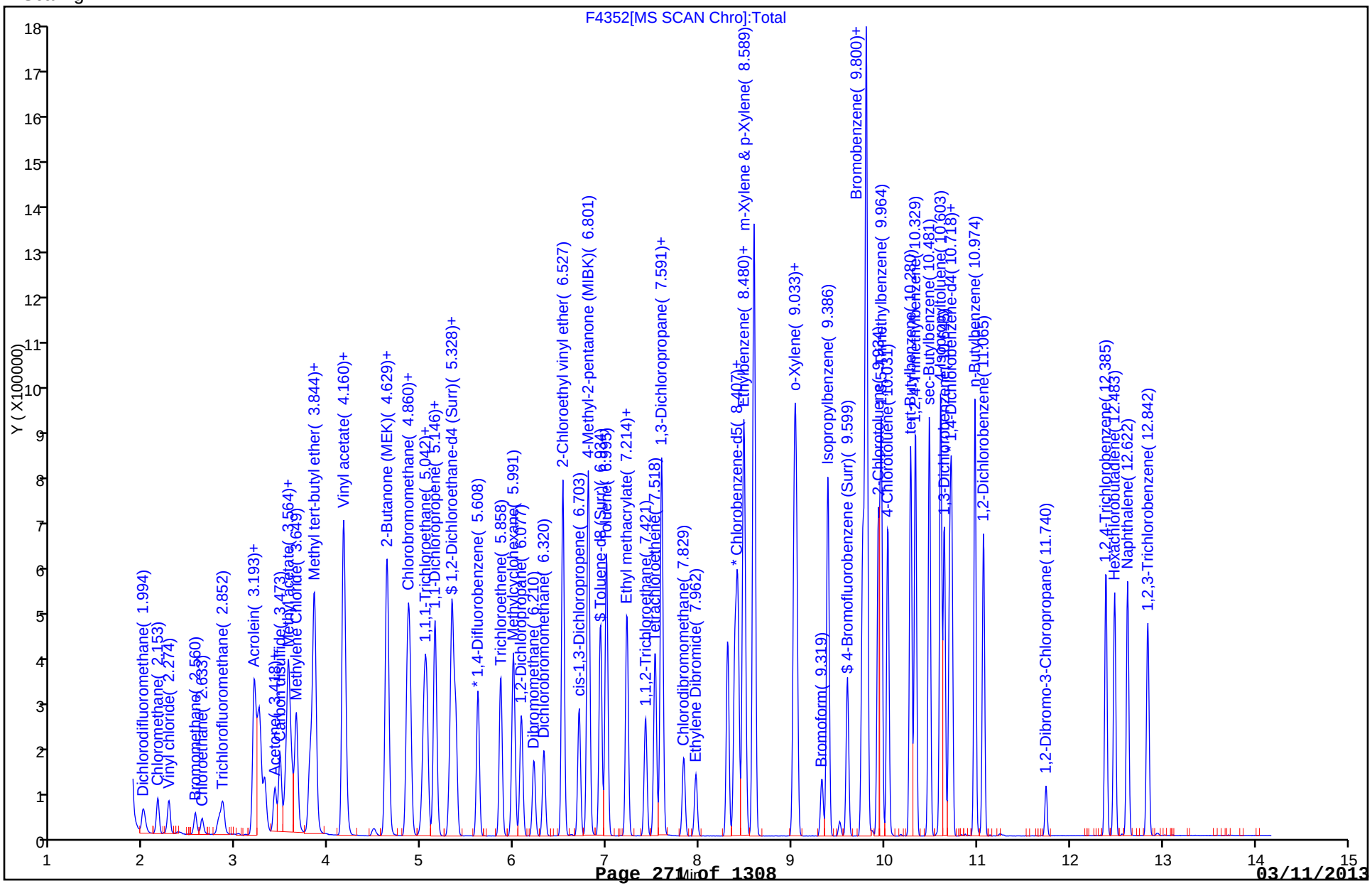
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
120 Hexachlorobutadiene	225	12.483	12.483	0.0	95	122171	52.1	
121 Naphthalene	128	12.622	12.622	0.0	96	546488	43.5	
122 1,2,3-Trichlorobenzene	180	12.842	12.842	0.0	95	196419	48.9	
S 123 Total BTEX	1				0		312.3	
S 124 Xylenes, Total	1				0		156.0	
S 125 1,2-Dichloroethene, Total	1				0		107.1	
S 126 1,3-Dichloropropene, Total	1				0		99.8	

Report Date: 16-Dec-2012 21:09:08 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973F\20121216-17581.b\F4352.D		
Injection Date:	16-Dec-2012 11:10:30	Limit Group:	MV - 8260MCP_RCP
Client ID:		Instrument ID:	HP5973F
Lims Batch ID:	96032	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.: 480-30197-1

SDG No.:

Lab Sample ID: CCV 480-96032/4 Calibration Date: 12/16/2012 11:36

Instrument ID: HP5973F Calib Start Date: 12/11/2012 15:52

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/11/2012 18:24

Lab File ID: F4353.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	Ave	0.2631	0.3707	0.1000	70.5	50.0	40.9*	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.2830	0.4157	0.1000	73.4	50.0	46.9*	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.1813	0.1485		41.0	50.0	-18.1	20.0
Toluene-d8 (Surr)	Ave	3.017	2.752		45.6	50.0	-8.8	20.0
4-Bromofluorobenzene (Surr)	Ave	1.064	0.8949		42.1	50.0	-15.9	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20121216-17581.b\F4353.D
Lims ID: CCV Client ID:
Inject. Date: 16-Dec-2012 11:36:30 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: CCV
Misc. Info.: 480-0017581-004 =480-0017581-004
Operator: JMB Instrument ID: HP5973F
Purge Vol: 5.000 mL ALS Bottle#: 4
Lims Batch ID: 96032 Lims Sample ID: 4
Sublist: chrom-F-8260 SOIL*sub17
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973F\20121216-17581.b\F-8260 SOIL.m
Last Update: 16-Dec-2012 21:09:30 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: XAWRK014

First Level Reviewer: ByrnesJ Date: 16-Dec-2012 13:12:58

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	290615	50.0	
* 2 Chlorobenzene-d5	82	8.382	8.382	0.0	81	127659	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.700	10.700	0.0	92	141582	50.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.304	5.304	0.0	99	43160	41.0	
$ 5 Toluene-d8 (Surr)	98	6.935	6.935	0.0	91	351254	45.6	
$ 6 4-Bromofluorobenzene (Surr)	174	9.599	9.599	0.0	90	114245	42.1	
10 Dichlorodifluoromethane	85	2.001	2.001	0.0	87	107741	70.5	
11 Chlorodifluoromethane	51	2.013	2.013	0.0	77	132841	0	
16 Dichlorofluoromethane	67	2.810	2.810	0.0	82	145978	0	
18 Ethyl ether	59	3.029	3.029	0.0	91	90766	51.0	
19 Propene oxide	58	3.126	3.126	0.0	94	136575	0	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.230	3.230	0.0	79	120812	73.4	
24 Isopropyl alcohol	45	3.394	3.394	0.0	99	253046	0	
28 3-Chloro-1-propene	41	3.534	3.534	0.0	91	194340	56.6	
31 2-Methyl-2-propanol	59	3.704	3.704	0.0	99	433786	1038.5	
35 Hexane	57	3.972	3.972	0.0	92	187609	0	
36 Isopropyl ether	45	4.130	4.130	0.0	95	371067	51.3	
134 Halothane	117	4.130	4.130	0.0	0	70102	57.6	
38 1,1-Dimethoxyethane	75	4.203	4.203	0.0	93	128996	0	
40 2-Chloro-1,3-butadiene	53	4.227	4.227	0.0	90	180678	0	
41 Tert-butyl ethyl ether	59	4.410	4.410	0.0	97	302861	45.4	
42 Ethyl acetate	43	4.617	4.617	0.0	98	122654	0	
46 Propionitrile	54	4.720	4.720	0.0	99	232090	538.6	
47 Methacrylonitrile	41	4.817	4.817	0.0	92	74685	0	
53 Isobutyl alcohol	43	5.201	5.201	0.0	95	414232	0	
56 Tert-amyl methyl ether	73	5.347	5.347	0.0	97	266474	45.3	
59 n-Heptane	43	5.420	5.420	0.0	92	198721	55.1	
136 2,4,4-Trimethyl-1-pentene	55	5.742	5.742	0.0	0	136158	62.9	
60 n-Butanol	56	5.742	5.742	0.0	91	340974	0	

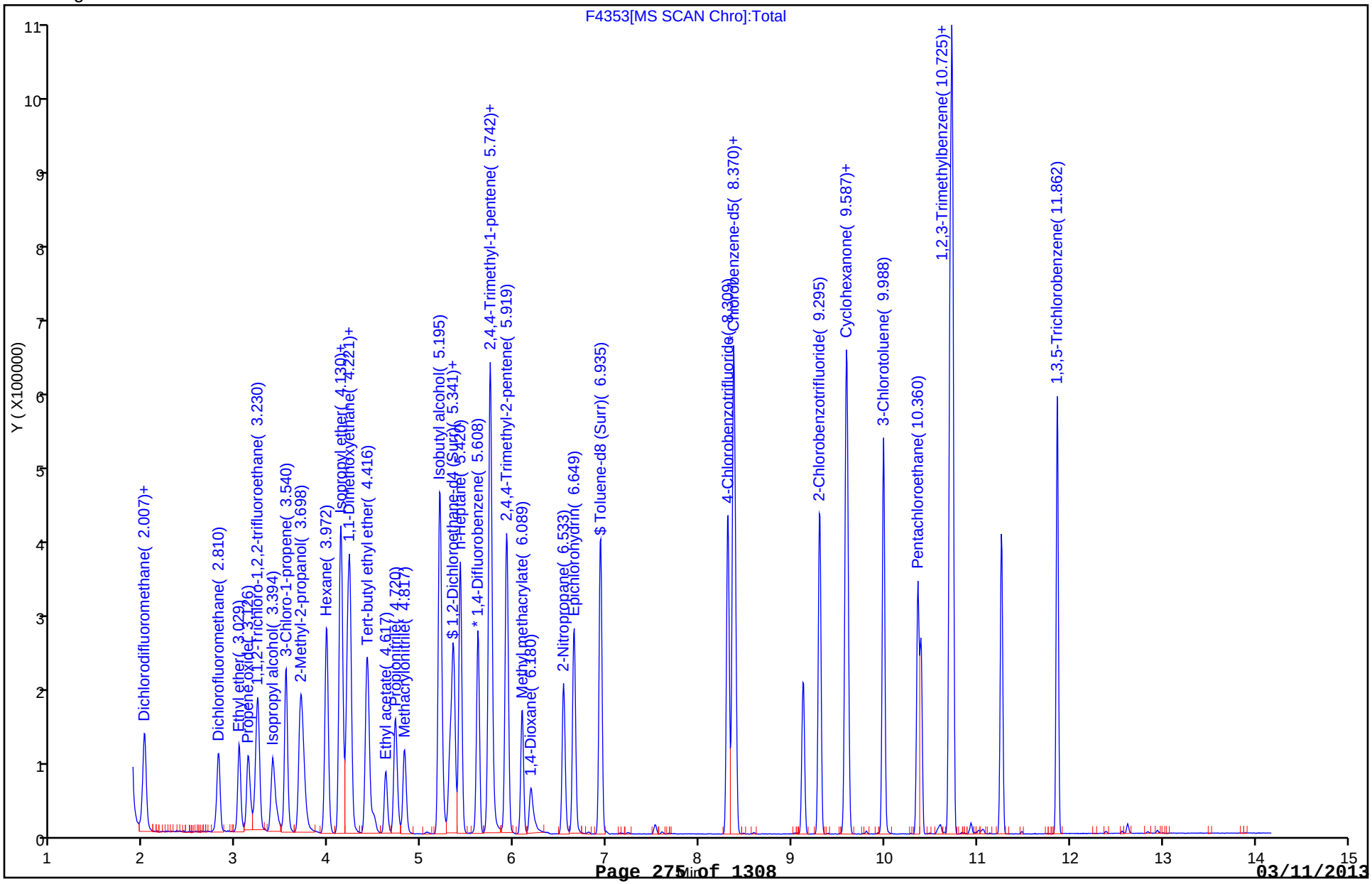
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
135 2,4,4-Trimethyl-2-pentene	97	5.919	5.919	0.0	0	270335	57.6	
63 Methyl methacrylate	41	6.083	6.083	0.0	90	98416	45.7	
66 1,4-Dioxane	88	6.186	6.186	0.0	89	87272	2278.4	
70 2-Nitropropane	43	6.533	6.533	0.0	96	180997	240.3	
71 Epichlorohydrin	57	6.649	6.649	0.0	98	323743	0	
86 4-Chlorobenzotrifluoride	180	8.309	8.309	0.0	90	221648	0	
85 3-Chlorobenzotrifluoride	180	8.364	8.364	0.0	91	206297	0	
93 2-Chlorobenzotrifluoride	180	9.301	9.301	0.0	97	208471	0	
96 Cyclohexanone	55	9.581	9.581	0.0	90	256700	0	
104 3-Chlorotoluene	126	9.988	9.988	0.0	94	157409	0	
108 Pentachloroethane	167	10.360	10.360	0.0	87	73826	0	
114 Dicyclopentadiene	66	10.719	10.719	0.0	96	505701	0	
112 1,2,3-Trimethylbenzene	105	10.731	10.731	0.0	96	464667	0	
118 1,3,5-Trichlorobenzene	180	11.862	11.862	0.0	97	212639	0	

Report Date: 16-Dec-2012 21:09:30 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973F\20121216-17581.b\F4353.D		
Injection Date:	16-Dec-2012 11:36:30	Limit Group:	MV - 8260MCP_RCP
Client ID:		Instrument ID:	HP5973F
Lims Batch ID:	96032	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.: 480-30197-1

SDG No.:

Lab Sample ID: CCV 480-96032/4 Calibration Date: 12/16/2012 11:36

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: F4353.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	0.3123		51.0	50.0	1.9	20.0
3-Chloro-1-propene	Lin1		0.6687		56.6	50.0	13.1	20.0
2-Methyl-2-propanol	Ave	0.0719	0.0746		1040	1000	3.9	20.0
Halothane	Ave	0.2095	0.2412		57.6	50.0	15.1	20.0
Isopropyl ether	Ave	1.244	1.277		51.3	50.0	2.6	20.0
Tert-butyl ethyl ether	Ave	1.148	1.042		45.4	50.0	-9.2	20.0
Propionitrile	Ave	0.0741	0.0799		539	500	7.7	20.0
Tert-amyl methyl ether	Ave	1.011	0.9169		45.3	50.0	-9.3	20.0
n-Heptane	Ave	0.6203	0.6838		55.1	50.0	10.2	20.0
2,4,4-Trimethyl-1-pentene	Ave	0.3724	0.4685		62.9	50.0	25.8*	20.0
2,4,4-Trimethyl-2-pentene	Lin1		0.9302		57.6	50.0	15.2	20.0
1,4-Dioxane	Ave	0.0150	0.0171		2280	2000	13.9	20.0
2-Nitropropane	Ave	0.2659	0.2557		240	250	-3.9	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20121216-17581.b\F4353.D
Lims ID: CCV Client ID:
Inject. Date: 16-Dec-2012 11:36:30 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: CCV
Misc. Info.: 480-0017581-004 =480-0017581-004
Operator: JMB Instrument ID: HP5973F
Purge Vol: 5.000 mL ALS Bottle#: 4
Lims Batch ID: 96032 Lims Sample ID: 4
Sublist: chrom-F-8260 SOIL*sub17
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973F\20121216-17581.b\F-8260 SOIL.m
Last Update: 16-Dec-2012 21:09:30 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: XAWRK014

First Level Reviewer: ByrnesJ Date: 16-Dec-2012 13:12:58

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	290615	50.0	
* 2 Chlorobenzene-d5	82	8.382	8.382	0.0	81	127659	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.700	10.700	0.0	92	141582	50.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.304	5.304	0.0	99	43160	41.0	
$ 5 Toluene-d8 (Surr)	98	6.935	6.935	0.0	91	351254	45.6	
$ 6 4-Bromofluorobenzene (Surr)	174	9.599	9.599	0.0	90	114245	42.1	
10 Dichlorodifluoromethane	85	2.001	2.001	0.0	87	107741	70.5	
11 Chlorodifluoromethane	51	2.013	2.013	0.0	77	132841	0	
16 Dichlorofluoromethane	67	2.810	2.810	0.0	82	145978	0	
18 Ethyl ether	59	3.029	3.029	0.0	91	90766	51.0	
19 Propene oxide	58	3.126	3.126	0.0	94	136575	0	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.230	3.230	0.0	79	120812	73.4	
24 Isopropyl alcohol	45	3.394	3.394	0.0	99	253046	0	
28 3-Chloro-1-propene	41	3.534	3.534	0.0	91	194340	56.6	
31 2-Methyl-2-propanol	59	3.704	3.704	0.0	99	433786	1038.5	
35 Hexane	57	3.972	3.972	0.0	92	187609	0	
36 Isopropyl ether	45	4.130	4.130	0.0	95	371067	51.3	
134 Halothane	117	4.130	4.130	0.0	0	70102	57.6	
38 1,1-Dimethoxyethane	75	4.203	4.203	0.0	93	128996	0	
40 2-Chloro-1,3-butadiene	53	4.227	4.227	0.0	90	180678	0	
41 Tert-butyl ethyl ether	59	4.410	4.410	0.0	97	302861	45.4	
42 Ethyl acetate	43	4.617	4.617	0.0	98	122654	0	
46 Propionitrile	54	4.720	4.720	0.0	99	232090	538.6	
47 Methacrylonitrile	41	4.817	4.817	0.0	92	74685	0	
53 Isobutyl alcohol	43	5.201	5.201	0.0	95	414232	0	
56 Tert-amyl methyl ether	73	5.347	5.347	0.0	97	266474	45.3	
59 n-Heptane	43	5.420	5.420	0.0	92	198721	55.1	
136 2,4,4-Trimethyl-1-pentene	55	5.742	5.742	0.0	0	136158	62.9	
60 n-Butanol	56	5.742	5.742	0.0	91	340974	0	

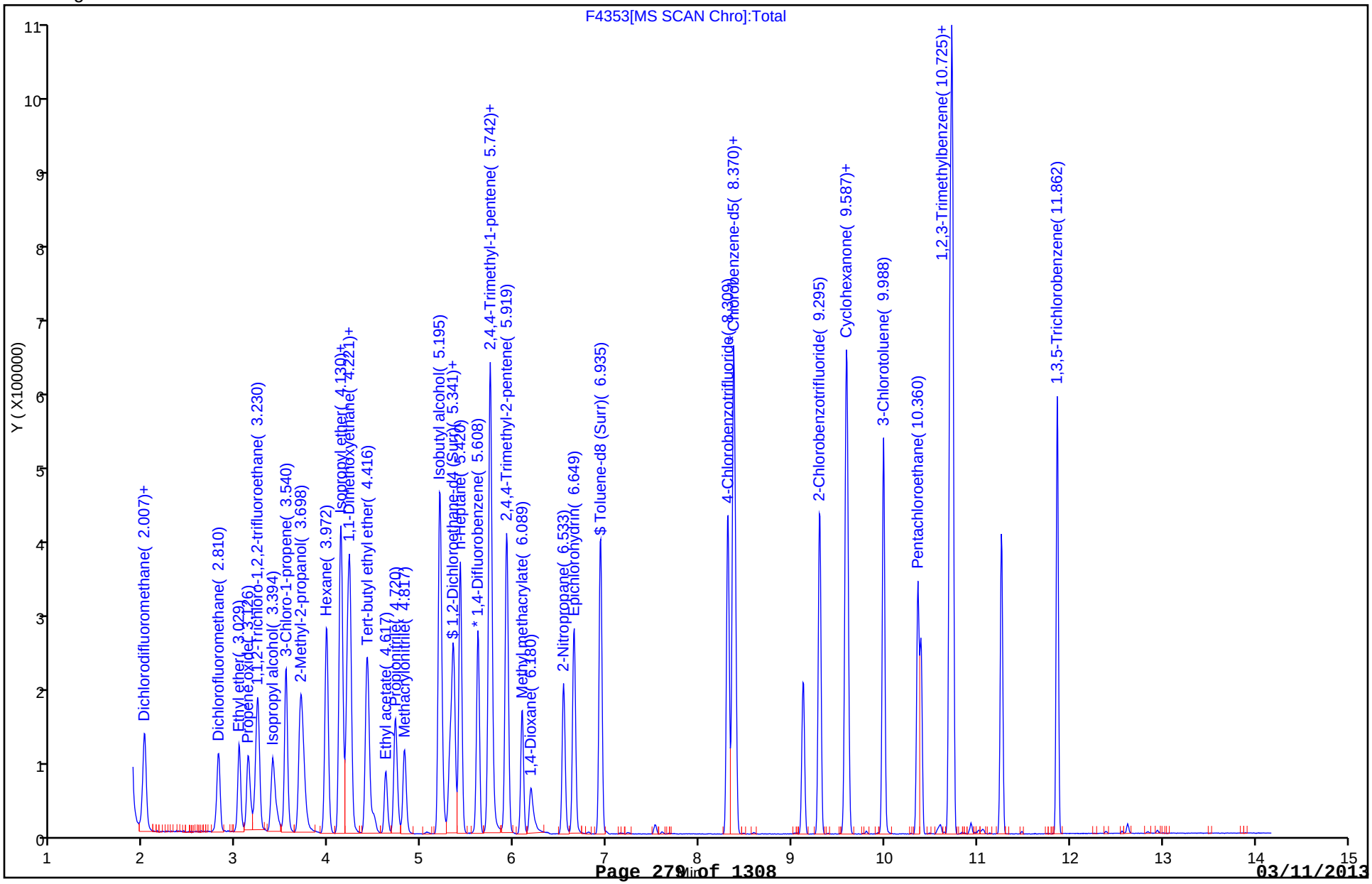
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
135 2,4,4-Trimethyl-2-pentene	97	5.919	5.919	0.0	0	270335	57.6	
63 Methyl methacrylate	41	6.083	6.083	0.0	90	98416	45.7	
66 1,4-Dioxane	88	6.186	6.186	0.0	89	87272	2278.4	
70 2-Nitropropane	43	6.533	6.533	0.0	96	180997	240.3	
71 Epichlorohydrin	57	6.649	6.649	0.0	98	323743	0	
86 4-Chlorobenzotrifluoride	180	8.309	8.309	0.0	90	221648	0	
85 3-Chlorobenzotrifluoride	180	8.364	8.364	0.0	91	206297	0	
93 2-Chlorobenzotrifluoride	180	9.301	9.301	0.0	97	208471	0	
96 Cyclohexanone	55	9.581	9.581	0.0	90	256700	0	
104 3-Chlorotoluene	126	9.988	9.988	0.0	94	157409	0	
108 Pentachloroethane	167	10.360	10.360	0.0	87	73826	0	
114 Dicyclopentadiene	66	10.719	10.719	0.0	96	505701	0	
112 1,2,3-Trimethylbenzene	105	10.731	10.731	0.0	96	464667	0	
118 1,3,5-Trichlorobenzene	180	11.862	11.862	0.0	97	212639	0	

Report Date: 16-Dec-2012 21:09:30 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973F\20121216-17581.b\F4353.D		
Injection Date:	16-Dec-2012 11:36:30	Limit Group:	MV - 8260MCP_RCP
Client ID:		Instrument ID:	HP5973F
Lims Batch ID:	96032	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.: 480-30197-1

SDG No.:

Lab Sample ID: CCVIS 480-96268/3 Calibration Date: 12/17/2012 20:50

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: F4401.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		0.2628	0.1000	54.8	50.0	9.5	20.0
Chloromethane	Ave	0.2506	0.2714	0.0500	54.1	50.0	8.3	20.0
Vinyl chloride	Lin1		0.2758	0.1000	54.3	50.0	8.7	20.0
Bromomethane	Lin		0.0829	0.0500	42.1	50.0	-15.7	20.0
Chloroethane	Ave	0.0875	0.0885*	0.1000	50.6	50.0	1.1	20.0
Trichlorofluoromethane	Lin1		0.3410	0.1000	51.4	50.0	2.7	20.0
Acrolein	Ave	0.0528	0.0632		1200	1000	19.7	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Lin1		0.3204	0.1000	54.5	50.0	9.0	20.0
1,1-Dichloroethene	Ave	0.2824	0.3256	0.1000	57.6	50.0	15.3	20.0
Acetone	Ave	0.1208	0.1490	0.0500	308	250	23.3*	20.0
Iodomethane	Ave	0.4569	0.5030		55.1	50.0	10.1	20.0
Carbon disulfide	Lin1		0.9866	0.1000	53.6	50.0	7.2	20.0
Methyl acetate	Ave	0.4010	0.4901	0.1000	61.1	50.0	22.2*	20.0
Acetonitrile	Ave	0.0283	0.0342		2420	2000	21.0*	20.0
Methylene Chloride	Ave	0.3471	0.3726	0.1000	53.7	50.0	7.3	20.0
Methyl tert-butyl ether	Ave	0.8688	0.9770	0.1000	56.2	50.0	12.5	20.0
trans-1,2-Dichloroethene	Ave	0.3380	0.3852	0.1000	57.0	50.0	14.0	20.0
Acrylonitrile	Ave	0.1521	0.1888		310	250	24.2*	20.0
Vinyl acetate	Ave	0.6204	0.7515		303	250	21.1*	20.0
1,1-Dichloroethane	Ave	0.5367	0.5971	0.2000	55.6	50.0	11.3	20.0
2-Butanone (MEK)	Ave	0.1949	0.2518	0.0500	323	250	29.2*	20.0
2,2-Dichloropropane	Lin1		0.4644		55.5	50.0	11.0	20.0
cis-1,2-Dichloroethene	Ave	0.3704	0.4115	0.1000	55.6	50.0	11.1	20.0
Chlorobromomethane	Ave	0.1908	0.2162		56.7	50.0	13.3	20.0
Tetrahydrofuran	Ave	0.1282	0.1665		325	250	29.9*	20.0
Chloroform	Ave	0.5222	0.5818	0.2000	55.7	50.0	11.4	20.0
1,1,1-Trichloroethane	Lin1		0.5114	0.1000	54.8	50.0	9.5	20.0
Cyclohexane	Lin1		0.6579	0.1000	57.5	50.0	15.0	20.0
1,1-Dichloropropene	Ave	0.4070	0.4775		58.7	50.0	17.3	20.0
Carbon tetrachloride	Lin1		0.4375	0.1000	54.3	50.0	8.7	20.0
Benzene	Ave	1.277	1.418	0.5000	55.5	50.0	11.0	20.0
1,2-Dichloroethane	Ave	0.3974	0.4317	0.1000	54.3	50.0	8.6	20.0
Trichloroethene	Ave	0.3361	0.3846	0.2000	57.2	50.0	14.4	20.0
Methylcyclohexane	Lin1		0.6935	0.1000	57.4	50.0	14.9	20.0
1,2-Dichloropropane	Ave	0.3090	0.3483	0.1000	56.4	50.0	12.7	20.0
Dibromomethane	Ave	0.1811	0.2099		58.0	50.0	15.9	20.0
Dichlorobromomethane	Lin1		0.4001	0.1000	53.0	50.0	6.1	20.0
2-Chloroethyl vinyl ether	Ave	0.2139	0.2546		298	250	19.0	20.0
cis-1,3-Dichloropropene	Lin1		0.5248	0.2000	53.9	50.0	7.8	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.8750	1.047	0.0500	299	250	19.7	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-30197-1

SDG No.:

Lab Sample ID: CCVIS 480-96268/3 Calibration Date: 12/17/2012 20:50

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: F4401.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	2.150	0.4000	53.4	50.0	6.8	20.0
Ethyl methacrylate	Ave	0.9489	1.117		58.9	50.0	17.7	20.0
trans-1,3-Dichloropropene	Lin1		1.050	0.1000	52.4	50.0	4.8	20.0
1,1,2-Trichloroethane	Ave	0.5330	0.5788	0.1000	54.3	50.0	8.6	20.0
Tetrachloroethene	Ave	0.9476	1.039	0.1000	54.8	50.0	9.6	20.0
1,3-Dichloropropane	Ave	1.107	1.171		52.9	50.0	5.8	20.0
2-Hexanone	Ave	0.6276	0.7866	0.0500	313	250	25.3*	20.0
Chlorodibromomethane	Lin1		0.7484	0.1000	49.6	50.0	-0.8	20.0
Ethylene Dibromide	Ave	0.7393	0.8281	0.1000	56.0	50.0	12.0	20.0
Chlorobenzene	Ave	2.434	2.573	0.5000	52.9	50.0	5.7	20.0
Ethylbenzene	Ave	3.648	4.006	0.1000	54.9	50.0	9.8	20.0
1,1,1,2-Tetrachloroethane	Lin1		0.8322		51.8	50.0	3.6	20.0
m-Xylene & p-Xylene	Ave	1.546	1.680	0.1000	109	100	8.7	20.0
o-Xylene	Ave	1.505	1.626	0.3000	54.0	50.0	8.0	20.0
Styrene	Ave	2.451	2.730	0.3000	55.7	50.0	11.4	20.0
Bromoform	Lin1		0.4917	0.1000	49.9	50.0	-0.2	20.0
Isopropylbenzene	Ave	3.440	3.723	0.1000	54.1	50.0	8.2	20.0
1,1,2,2-Tetrachloroethane	Ave	0.8396	0.9564	0.3000	57.0	50.0	13.9	20.0
Bromobenzene	Ave	0.9885	1.043		52.8	50.0	5.5	20.0
N-Propylbenzene	Ave	3.907	4.355		90.3	50.0	11.5	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2114	0.2582		305	250	22.1*	20.0
1,2,3-Trichloropropane	Ave	0.2856	0.3143		55.0	50.0	10.1	20.0
2-Chlorotoluene	Ave	0.9345	1.003		53.7	50.0	7.4	20.0
1,3,5-Trimethylbenzene	Ave	2.904	3.162		54.5	50.0	8.9	20.0
4-Chlorotoluene	Ave	0.9630	1.037		53.9	50.0	7.7	20.0
tert-Butylbenzene	Ave	0.7207	0.7935		55.0	50.0	10.1	20.0
1,2,4-Trimethylbenzene	Ave	2.882	3.148		54.6	50.0	9.2	20.0
sec-Butylbenzene	Ave	3.712	4.150		55.9	50.0	11.8	20.0
4-Isopropyltoluene	Ave	3.368	3.805		56.5	50.0	13.0	20.0
1,3-Dichlorobenzene	Ave	1.882	2.009	0.6000	53.4	50.0	6.8	20.0
1,4-Dichlorobenzene	Ave	1.928	2.042	0.5000	53.0	50.0	5.9	20.0
n-Butylbenzene	Ave	2.662	3.061		57.5	50.0	15.0	20.0
1,2-Dichlorobenzene	Ave	1.793	1.913	0.4000	53.3	50.0	6.7	20.0
1,2-Dibromo-3-Chloropropane	Lin1		0.1660	0.0500	58.1	50.0	16.2	20.0
1,2,4-Trichlorobenzene	Ave	1.104	1.305	0.2000	59.1	50.0	18.3	20.0
Hexachlorobutadiene	Ave	0.5813	0.6940		59.7	50.0	19.4	20.0
Naphthalene	Ave	2.937	3.548		60.4	50.0	20.8*	20.0
1,2,3-Trichlorobenzene	Ave	0.9751	1.176		60.3	50.0	20.6*	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.1649	0.1478		44.8	50.0	-10.4	20.0
Toluene-d8 (Surr)	Ave	2.892	2.569		44.4	50.0	-11.2	20.0
4-Bromofluorobenzene (Surr)	Ave	0.995	0.8625		43.3	50.0	-13.3	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20121217-17632.b\F4401.D
Lims ID: CCVIS Client ID:
Inject. Date: 17-Dec-2012 20:50:30 Dil. Factor: 1.0000
Sample Type: CCVIS
Sample ID: CCVIS
Misc. Info.: 480-0017632-003 =480-0017632-003
Operator: CDC Instrument ID: HP5973F
Purge Vol: 5.000 mL ALS Bottle#: 3
Lims Batch ID: 96268 Lims Sample ID: 3
Sublist: chrom-F-8260 SOIL*sub1
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973F\20121217-17632.b\F-8260 SOIL.m
Last Update: 27-Dec-2012 11:48:16 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: XAWRK034

First Level Reviewer: cwiklinc Date: 17-Dec-2012 21:12:43

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.614	5.614	0.0	92	377578	50.0	
* 2 Chlorobenzene-d5	82	8.382	8.382	0.0	71	167287	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.700	10.700	0.0	73	188939	50.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.304	5.304	0.0	95	55800	44.8	
$ 5 Toluene-d8 (Surr)	98	6.934	6.934	0.0	91	429705	44.4	
$ 6 4-Bromofluorobenzene (Surr)	174	9.599	9.599	0.0	92	144290	43.3	
10 Dichlorodifluoromethane	85	2.001	2.001	0.0	85	99212	54.8	
12 Chloromethane	50	2.159	2.159	0.0	88	102458	54.1	
13 Vinyl chloride	62	2.274	2.274	0.0	83	104141	54.3	
14 Bromomethane	94	2.554	2.554	0.0	87	31283	42.1	
15 Chloroethane	64	2.633	2.633	0.0	96	33395	50.6	
17 Trichlorofluoromethane	101	2.858	2.858	0.0	84	128739	51.4	
20 Acrolein	56	3.193	3.193	0.0	96	477496	1196.9	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.230	3.230	0.0	79	120965	54.5	
22 1,1-Dichloroethene	96	3.260	3.260	0.0	84	122948	57.6	
23 Acetone	43	3.309	3.309	0.0	98	281360	308.3	
25 Iodomethane	142	3.424	3.424	0.0	96	189931	55.1	
26 Carbon disulfide	76	3.479	3.479	0.0	99	372500	53.6	
27 Methyl acetate	43	3.534	3.534	0.0	90	185041	61.1	
29 Acetonitrile	40	3.564	3.564	0.0	99	516120	2419.2	
30 Methylene Chloride	84	3.655	3.655	0.0	85	140681	53.7	
32 Methyl tert-butyl ether	73	3.807	3.807	0.0	86	368899	56.2	
34 trans-1,2-Dichloroethene	96	3.838	3.838	0.0	96	145460	57.0	
33 Acrylonitrile	53	3.856	3.856	0.0	99	356435	310.4	
37 Vinyl acetate	43	4.160	4.160	0.0	97	1418701	302.8	
39 1,1-Dichloroethane	63	4.179	4.179	0.0	84	225449	55.6	
43 2-Butanone (MEK)	43	4.623	4.623	0.0	100	475314	322.9	
44 2,2-Dichloropropane	77	4.629	4.629	0.0	67	175351	55.5	
45 cis-1,2-Dichloroethene	96	4.635	4.635	0.0	69	155383	55.6	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
48 Chlorobromomethane	128	4.848	4.848	0.0	90	81631	56.7	
49 Tetrahydrofuran	42	4.860	4.860	0.0	89	314318	324.7	
50 Chloroform	83	4.878	4.878	0.0	81	219658	55.7	
51 1,1,1-Trichloroethane	97	5.024	5.024	0.0	92	193077	54.8	
52 Cyclohexane	56	5.055	5.055	0.0	89	248392	57.5	
54 1,1-Dichloropropene	75	5.146	5.146	0.0	93	180289	58.7	
55 Carbon tetrachloride	117	5.152	5.152	0.0	80	165207	54.3	
57 Benzene	78	5.334	5.334	0.0	97	535494	55.5	
58 1,2-Dichloroethane	62	5.371	5.371	0.0	74	162993	54.3	
62 Trichloroethene	95	5.858	5.858	0.0	91	145233	57.2	
64 Methylcyclohexane	83	5.991	5.991	0.0	88	261862	57.4	
65 1,2-Dichloropropane	63	6.077	6.077	0.0	93	131522	56.4	
67 Dibromomethane	93	6.217	6.217	0.0	83	79270	58.0	
68 Dichlorobromomethane	83	6.326	6.326	0.0	92	151053	53.0	
69 2-Chloroethyl vinyl ether	63	6.527	6.527	0.0	91	480591	297.6	
72 cis-1,3-Dichloropropene	75	6.703	6.703	0.0	87	198140	53.9	
73 4-Methyl-2-pentanone (MIBK)	43	6.801	6.801	0.0	95	876114	299.3	
74 Toluene	92	6.995	6.995	0.0	98	359711	53.4	
75 Ethyl methacrylate	69	7.214	7.214	0.0	90	186920	58.9	
77 trans-1,3-Dichloropropene	75	7.220	7.220	0.0	90	175722	52.4	
79 1,1,2-Trichloroethane	83	7.415	7.415	0.0	84	96826	54.3	
81 Tetrachloroethene	166	7.525	7.525	0.0	91	173764	54.8	
82 1,3-Dichloropropane	76	7.585	7.585	0.0	91	195901	52.9	
80 2-Hexanone	43	7.598	7.598	0.0	95	657940	313.3	
83 Chlorodibromomethane	129	7.829	7.829	0.0	87	125203	49.6	
84 Ethylene Dibromide	107	7.963	7.963	0.0	97	138526	56.0	
87 Chlorobenzene	112	8.413	8.413	0.0	96	430350	52.9	
88 Ethylbenzene	91	8.474	8.474	0.0	97	670225	54.9	
89 1,1,1,2-Tetrachloroethane	131	8.492	8.492	0.0	87	139221	51.8	
90 m-Xylene & p-Xylene	106	8.589	8.589	0.0	99	562211	108.7	
91 o-Xylene	106	9.021	9.021	0.0	95	272045	54.0	
92 Styrene	104	9.045	9.045	0.0	95	456713	55.7	
95 Bromoform	173	9.325	9.325	0.0	96	82253	49.9	
94 Isopropylbenzene	105	9.386	9.386	0.0	94	703465	54.1	
97 1,1,2,2-Tetrachloroethane	83	9.757	9.757	0.0	85	180699	57.0	
101 Bromobenzene	156	9.769	9.769	0.0	86	197106	52.8	
98 trans-1,4-Dichloro-2-butene	53	9.800	9.800	0.0	56	243876	305.3	
99 N-Propylbenzene	91	9.800	9.800	0.0	94	822905	90.3	
100 1,2,3-Trichloropropane	110	9.812	9.812	0.0	55	59391	55.0	
103 2-Chlorotoluene	126	9.928	9.928	0.0	98	189557	53.7	
102 1,3,5-Trimethylbenzene	105	9.964	9.964	0.0	94	597484	54.5	
105 4-Chlorotoluene	126	10.037	10.037	0.0	95	196016	53.9	
106 tert-Butylbenzene	134	10.280	10.280	0.0	88	149922	55.0	
107 1,2,4-Trimethylbenzene	105	10.329	10.329	0.0	95	594751	54.6	
109 sec-Butylbenzene	105	10.481	10.481	0.0	93	784151	55.9	
110 4-Isopropyltoluene	119	10.603	10.603	0.0	94	718989	56.5	
111 1,3-Dichlorobenzene	146	10.645	10.645	0.0	96	379670	53.4	
113 1,4-Dichlorobenzene	146	10.725	10.725	0.0	96	385755	53.0	
115 n-Butylbenzene	91	10.974	10.974	0.0	93	578249	57.5	
116 1,2-Dichlorobenzene	146	11.065	11.065	0.0	98	361401	53.3	
117 1,2-Dibromo-3-Chloropropane	75	11.740	11.740	0.0	81	31367	58.1	
119 1,2,4-Trichlorobenzene	180	12.391	12.391	0.0	94	246594	59.1	

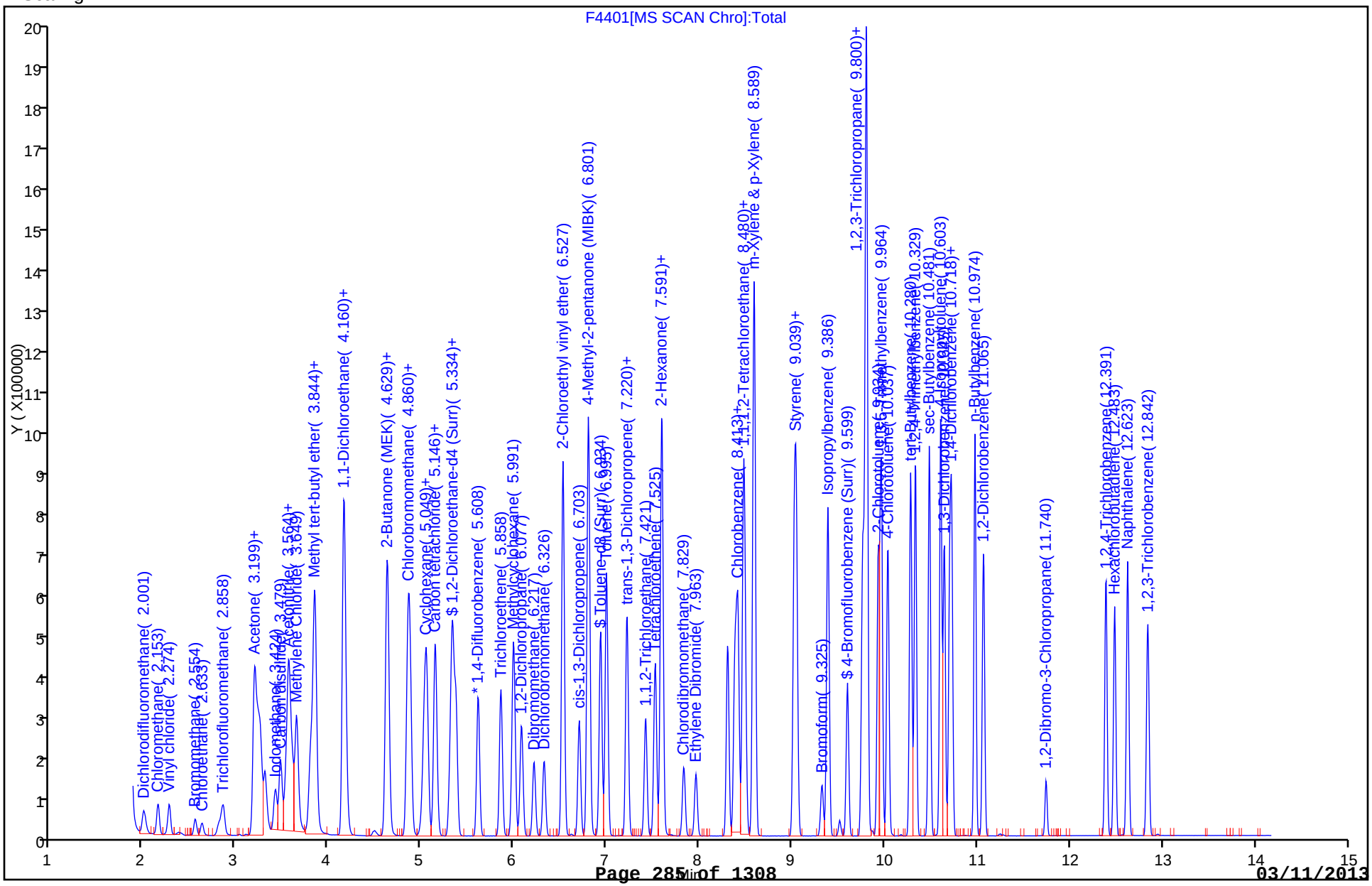
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
120 Hexachlorobutadiene	225	12.483	12.483	0.0	94	131120	59.7	
121 Naphthalene	128	12.623	12.623	0.0	96	670379	60.4	
122 1,2,3-Trichlorobenzene	180	12.842	12.842	0.0	95	222160	60.3	
S 125 1,2-Dichloroethene, Total	1				0		112.5	
S 126 1,3-Dichloropropene, Total	1				0		106.3	
S 123 Total BTEX	1				0		326.5	
S 124 Xylenes, Total	1				0		162.7	

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

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973F\20121217-17632.b\F4401.D		
Injection Date:	17-Dec-2012 20:50:30	Limit Group:	MV - 8260MCP_RCP
Client ID:		Instrument ID:	HP5973F
Lims Batch ID:	96268	Lims Sample ID:	3
Operator ID:	CDC	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.: 480-30197-1

SDG No.:

Lab Sample ID: CCV 480-96268/4 Calibration Date: 12/17/2012 21:26

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: F4402.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	0.3083		50.3	50.0	0.6	20.0
3-Chloro-1-propene	Lin1		0.5908		49.6	50.0	-0.8	20.0
2-Methyl-2-propanol	Ave	0.0719	0.0658		915	1000	-8.5	20.0
Halothane	Ave	0.2095	0.2078		49.6	50.0	-0.8	20.0
Isopropyl ether	Ave	1.244	1.230		49.4	50.0	-1.1	20.0
Tert-butyl ethyl ether	Ave	1.148	1.067		46.5	50.0	-7.0	20.0
Propionitrile	Ave	0.0741	0.0735		496	500	-0.9	20.0
Tert-amyl methyl ether	Ave	1.011	0.9429		46.6	50.0	-6.8	20.0
n-Heptane	Ave	0.6203	0.6445		52.0	50.0	3.9	20.0
2,4,4-Trimethyl-1-pentene	Ave	0.3724	0.4165		55.9	50.0	11.8	20.0
2,4,4-Trimethyl-2-pentene	Lin1		0.8175		50.6	50.0	1.3	20.0
1,4-Dioxane	Ave	0.0150	0.0134		1790	2000	-10.7	20.0
2-Nitropropane	Ave	0.2659	0.1310		123	250	-50.7*	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20121217-17632.b\F4402.D
Lims ID: CCV Client ID:
Inject. Date: 17-Dec-2012 21:26:30 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: CCV
Misc. Info.: 480-0017632-004 =480-0017632-004
Operator: CDC Instrument ID: HP5973F
Purge Vol: 5.000 mL ALS Bottle#: 4
Lims Batch ID: 96268 Lims Sample ID: 4
Sublist: chrom-F-8260 SOIL*sub16
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973F\20121217-17632.b\F-8260 SOIL.m
Last Update: 20-Dec-2012 16:05:06 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: XAWRK021

First Level Reviewer: cwiklinc Date: 17-Dec-2012 21:41:58

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.614	5.614	0.0	92	371678	50.0	
* 2 Chlorobenzene-d5	82	8.382	8.382	0.0	82	164255	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.700	10.700	0.0	94	180790	50.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.304	5.304	0.0	99	59654	48.7	
$ 5 Toluene-d8 (Surr)	98	6.934	6.934	0.0	91	445188	46.9	
$ 6 4-Bromofluorobenzene (Surr)	174	9.599	9.599	0.0	90	146976	44.9	
11 Chlorodifluoromethane	51	2.019	2.019	0.0	77	142148	0	
16 Dichlorofluoromethane	67	2.816	2.816	0.0	82	164533	0	
18 Ethyl ether	59	3.041	3.041	0.0	91	114605	50.3	
19 Propene oxide	58	3.132	3.132	0.0	94	186030	0	
24 Isopropyl alcohol	45	3.400	3.400	0.0	97	287842	0	
28 3-Chloro-1-propene	41	3.540	3.540	0.0	92	219574	49.6	
31 2-Methyl-2-propanol	59	3.704	3.704	0.0	98	488910	915.2	
35 Hexane	57	3.978	3.978	0.0	92	223187	0	
134 Halothane	117	4.130	4.130	0.0	0	77236	49.6	
36 Isopropyl ether	45	4.130	4.130	0.0	95	457253	49.4	
38 1,1-Dimethoxyethane	75	4.209	4.209	0.0	94	168104	0	
40 2-Chloro-1,3-butadiene	53	4.227	4.227	0.0	87	208168	0	
41 Tert-butyl ethyl ether	59	4.416	4.416	0.0	97	396570	46.5	
42 Ethyl acetate	43	4.617	4.617	0.0	98	165921	0	
46 Propionitrile	54	4.720	4.720	0.0	99	273182	495.7	
47 Methacrylonitrile	41	4.817	4.817	0.0	92	98775	0	
53 Isobutyl alcohol	43	5.201	5.201	0.0	95	461429	0	
56 Tert-amyl methyl ether	73	5.347	5.347	0.0	97	350449	46.6	
59 n-Heptane	43	5.420	5.420	0.0	93	239548	52.0	
136 2,4,4-Trimethyl-1-pentene	55	5.742	5.742	0.0	0	154798	55.9	
60 n-Butanol	56	5.748	5.748	0.0	87	377280	0	
135 2,4,4-Trimethyl-2-pentene	97	5.918	5.918	0.0	0	303838	50.6	
63 Methyl methacrylate	41	6.089	6.089	0.0	89	131149	47.6	

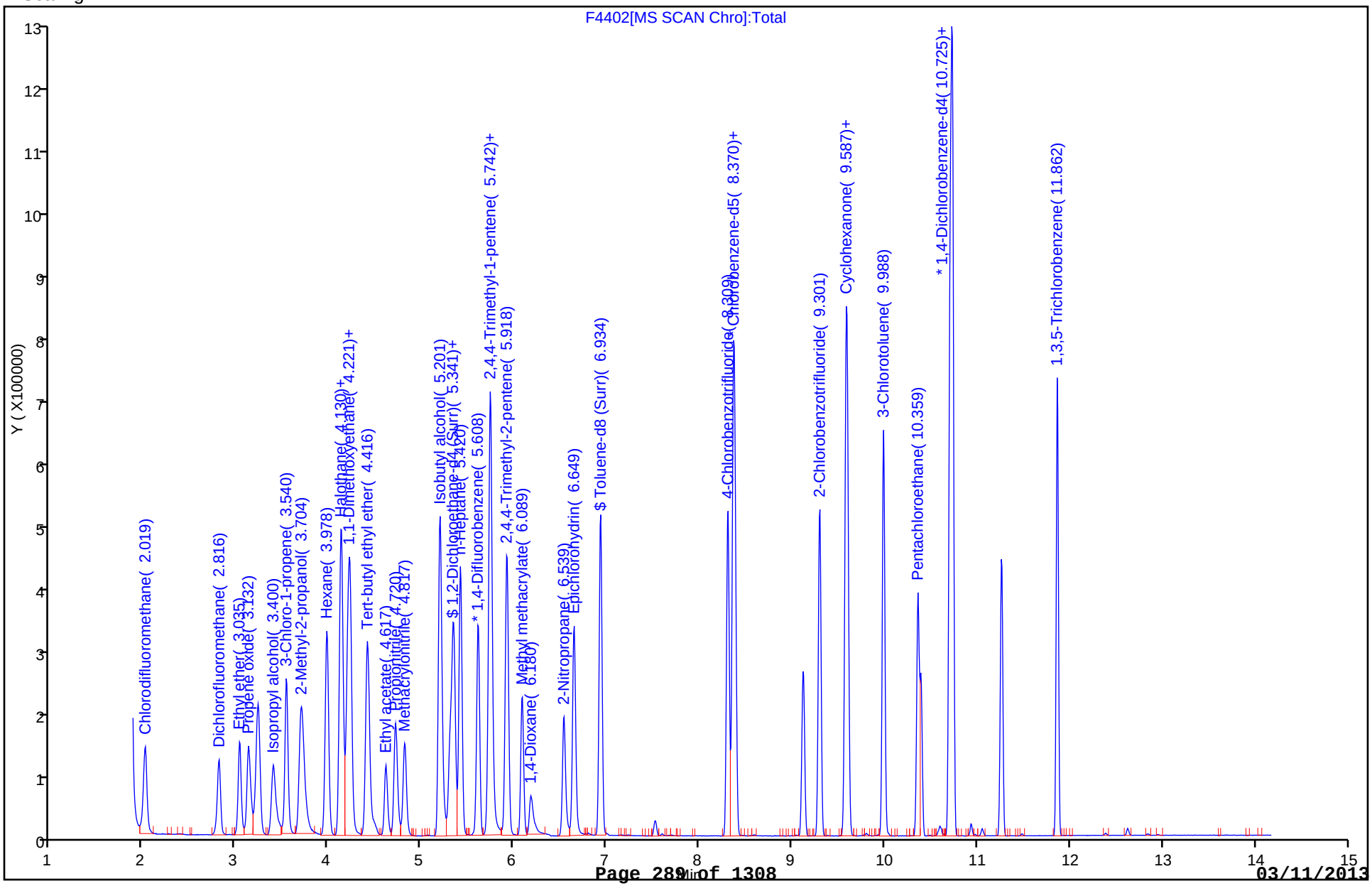
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
66 1,4-Dioxane	88	6.180	6.180	0.0	91	87983	1785.2	
70 2-Nitropropane	43	6.539	6.539	0.0	97	118436	123.2	
71 Epichlorohydrin	57	6.649	6.649	0.0	98	395165	0	
86 4-Chlorobenzotrifluoride	180	8.309	8.309	0.0	91	265387	0	
85 3-Chlorobenzotrifluoride	180	8.364	8.364	0.0	91	248309	0	
93 2-Chlorobenzotrifluoride	180	9.301	9.301	0.0	98	250326	0	
96 Cyclohexanone	55	9.581	9.581	0.0	90	347678	0	
104 3-Chlorotoluene	126	9.988	9.988	0.0	94	194283	0	
108 Pentachloroethane	167	10.359	10.359	0.0	83	79617	0	
114 Dicyclopentadiene	66	10.718	10.718	0.0	96	613097	0	
112 1,2,3-Trimethylbenzene	105	10.737	10.737	0.0	93	582449	0	
118 1,3,5-Trichlorobenzene	180	11.862	11.862	0.0	98	264181	0	

Report Date: 20-Dec-2012 16:05:06 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973F\20121217-17632.b\F4402.D		
Injection Date:	17-Dec-2012 21:26:30	Limit Group:	MV - 8260MCP_RCP
Client ID:		Instrument ID:	HP5973F
Lims Batch ID:	96268	Lims Sample ID:	4
Operator ID:	CDC	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.: 480-30197-1

SDG No.:

Lab Sample ID: CCV 480-96268/4 Calibration Date: 12/17/2012 21:26

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: F4402.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
1,2-Dichloroethane-d4 (Surr)	Ave	0.1649	0.1605		48.7	50.0	-2.6	20.0
Toluene-d8 (Surr)	Ave	2.892	2.710		46.9	50.0	-6.3	20.0
4-Bromofluorobenzene (Surr)	Ave	0.995	0.8948		44.9	50.0	-10.1	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20121217-17632.b\F4402.D
Lims ID: CCV Client ID:
Inject. Date: 17-Dec-2012 21:26:30 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: CCV
Misc. Info.: 480-0017632-004 =480-0017632-004
Operator: CDC Instrument ID: HP5973F
Purge Vol: 5.000 mL ALS Bottle#: 4
Lims Batch ID: 96268 Lims Sample ID: 4
Sublist: chrom-F-8260 SOIL*sub16
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973F\20121217-17632.b\F-8260 SOIL.m
Last Update: 20-Dec-2012 16:05:06 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: XAWRK021

First Level Reviewer: cwiklinc Date: 17-Dec-2012 21:41:58

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.614	5.614	0.0	92	371678	50.0	
* 2 Chlorobenzene-d5	82	8.382	8.382	0.0	82	164255	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.700	10.700	0.0	94	180790	50.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.304	5.304	0.0	99	59654	48.7	
$ 5 Toluene-d8 (Surr)	98	6.934	6.934	0.0	91	445188	46.9	
$ 6 4-Bromofluorobenzene (Surr)	174	9.599	9.599	0.0	90	146976	44.9	
11 Chlorodifluoromethane	51	2.019	2.019	0.0	77	142148	0	
16 Dichlorofluoromethane	67	2.816	2.816	0.0	82	164533	0	
18 Ethyl ether	59	3.041	3.041	0.0	91	114605	50.3	
19 Propene oxide	58	3.132	3.132	0.0	94	186030	0	
24 Isopropyl alcohol	45	3.400	3.400	0.0	97	287842	0	
28 3-Chloro-1-propene	41	3.540	3.540	0.0	92	219574	49.6	
31 2-Methyl-2-propanol	59	3.704	3.704	0.0	98	488910	915.2	
35 Hexane	57	3.978	3.978	0.0	92	223187	0	
134 Halothane	117	4.130	4.130	0.0	0	77236	49.6	
36 Isopropyl ether	45	4.130	4.130	0.0	95	457253	49.4	
38 1,1-Dimethoxyethane	75	4.209	4.209	0.0	94	168104	0	
40 2-Chloro-1,3-butadiene	53	4.227	4.227	0.0	87	208168	0	
41 Tert-butyl ethyl ether	59	4.416	4.416	0.0	97	396570	46.5	
42 Ethyl acetate	43	4.617	4.617	0.0	98	165921	0	
46 Propionitrile	54	4.720	4.720	0.0	99	273182	495.7	
47 Methacrylonitrile	41	4.817	4.817	0.0	92	98775	0	
53 Isobutyl alcohol	43	5.201	5.201	0.0	95	461429	0	
56 Tert-amyl methyl ether	73	5.347	5.347	0.0	97	350449	46.6	
59 n-Heptane	43	5.420	5.420	0.0	93	239548	52.0	
136 2,4,4-Trimethyl-1-pentene	55	5.742	5.742	0.0	0	154798	55.9	
60 n-Butanol	56	5.748	5.748	0.0	87	377280	0	
135 2,4,4-Trimethyl-2-pentene	97	5.918	5.918	0.0	0	303838	50.6	
63 Methyl methacrylate	41	6.089	6.089	0.0	89	131149	47.6	

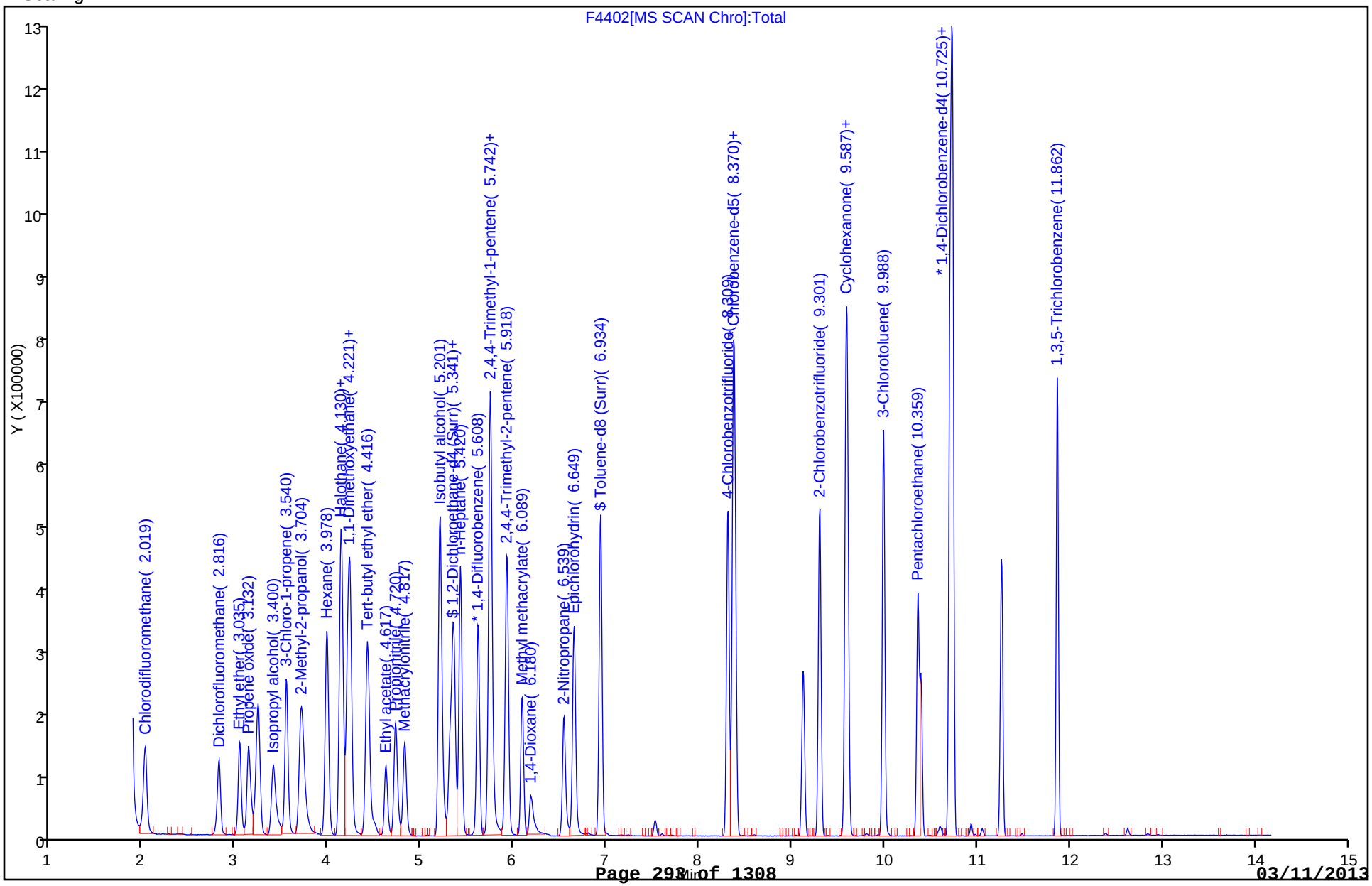
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
66 1,4-Dioxane	88	6.180	6.180	0.0	91	87983	1785.2	
70 2-Nitropropane	43	6.539	6.539	0.0	97	118436	123.2	
71 Epichlorohydrin	57	6.649	6.649	0.0	98	395165	0	
86 4-Chlorobenzotrifluoride	180	8.309	8.309	0.0	91	265387	0	
85 3-Chlorobenzotrifluoride	180	8.364	8.364	0.0	91	248309	0	
93 2-Chlorobenzotrifluoride	180	9.301	9.301	0.0	98	250326	0	
96 Cyclohexanone	55	9.581	9.581	0.0	90	347678	0	
104 3-Chlorotoluene	126	9.988	9.988	0.0	94	194283	0	
108 Pentachloroethane	167	10.359	10.359	0.0	83	79617	0	
114 Dicyclopentadiene	66	10.718	10.718	0.0	96	613097	0	
112 1,2,3-Trimethylbenzene	105	10.737	10.737	0.0	93	582449	0	
118 1,3,5-Trichlorobenzene	180	11.862	11.862	0.0	98	264181	0	

Report Date: 20-Dec-2012 16:05:06 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973F\20121217-17632.b\F4402.D		
Injection Date:	17-Dec-2012 21:26:30	Limit Group:	MV - 8260MCP_RCP
Client ID:		Instrument ID:	HP5973F
Lims Batch ID:	96268	Lims Sample ID:	4
Operator ID:	CDC	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	

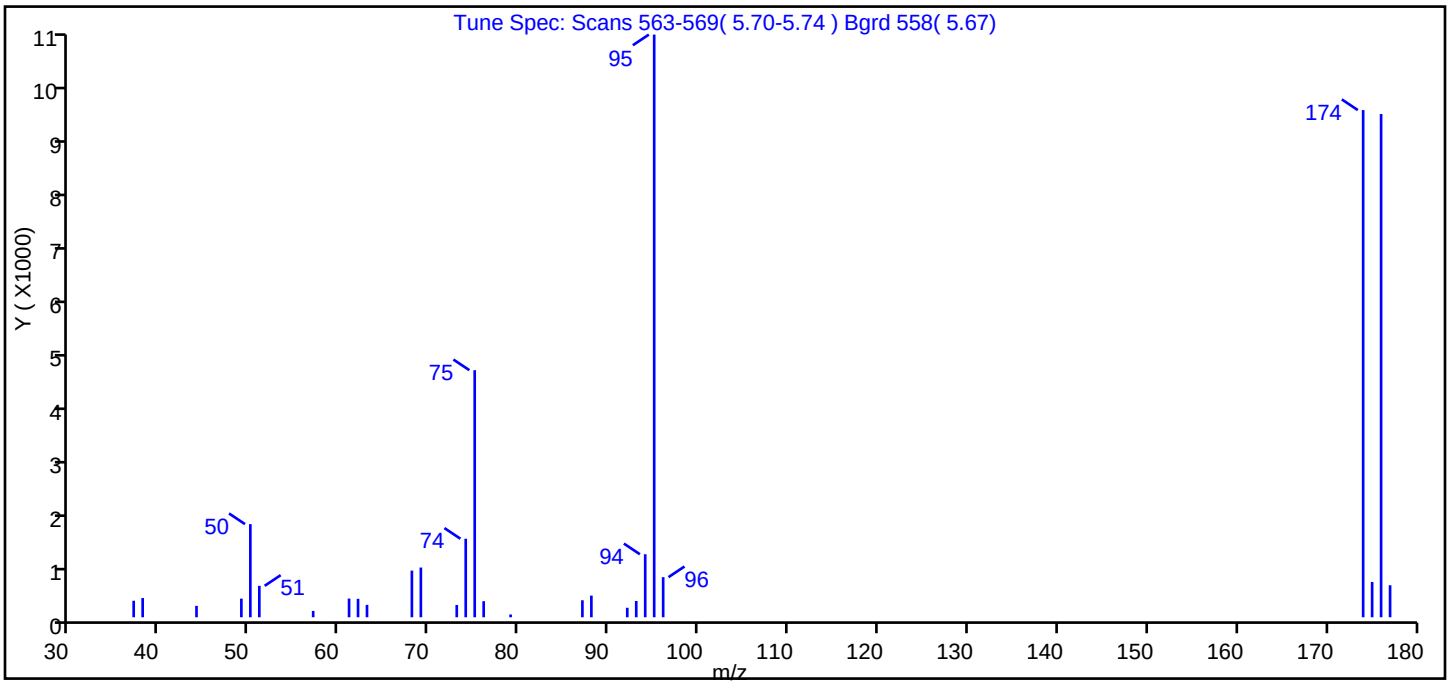
Report Date: 11-Dec-2012 15:18:54 Chrom Revision: 2.0 22-Oct-2012 16:30:48

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\20121216-17581.b\F4350.D		
Lims ID:	BFB	Client ID:	
Inject. Date:	16-Dec-2012 10:20:30	Dil. Factor:	1.0000
Sample Type:	BFB		
Sample ID:	BFB		
Misc. Info.:	480-0017581-001 =480-0017581-001		
Operator:	JMB	Instrument ID:	HP5973F
Purge Vol:	5.000 mL	ALS Bottle#:	1
Lims Batch ID:	96032	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973F\20121216-17581.b\F-8260 SOIL.m		
Last Update:	16-Dec-2012 10:13:24	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:	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		8.382					
* 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	59086	0	
$ 5 Toluene-d8 (Surr)	98		6.928					
$ 6 4-Bromofluorobenzene (Surr)	174		9.599					

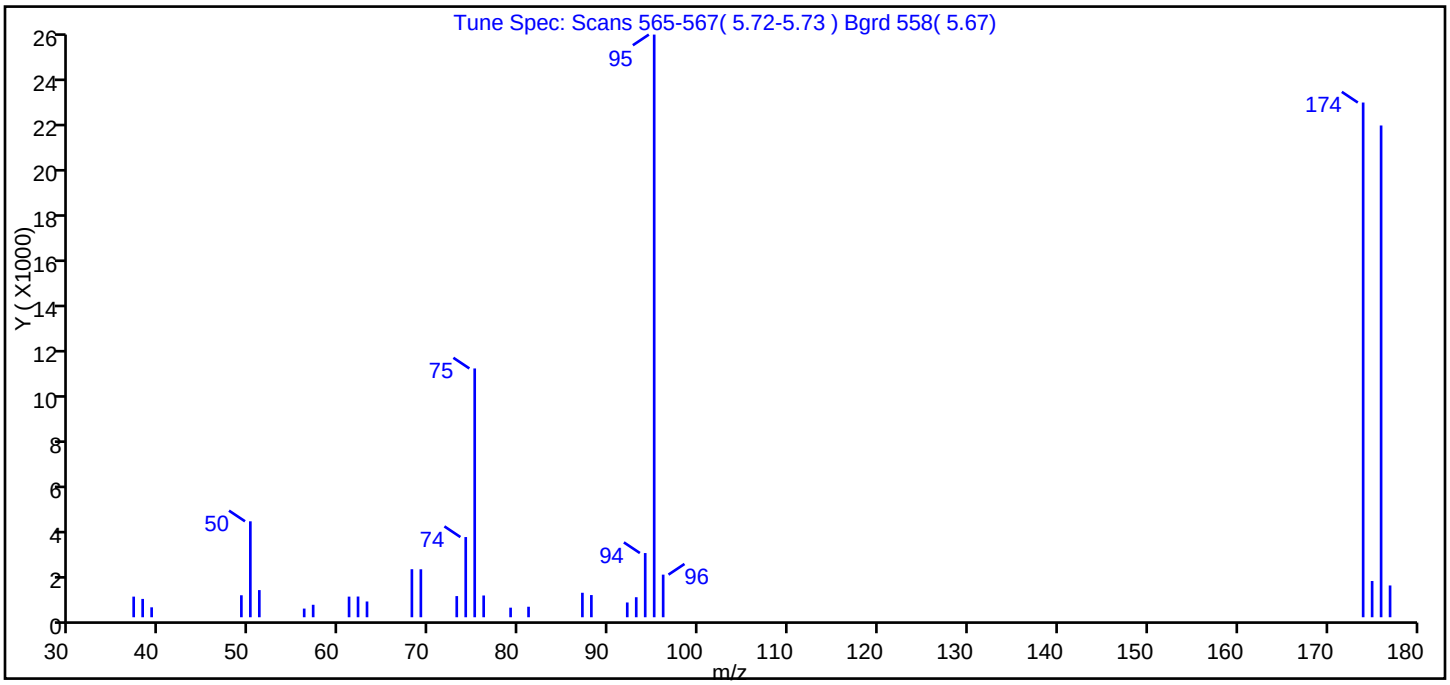
Report Date: 16-Dec-2012 10:13:24 Chrom Revision: 2.0 22-Oct-2012 16:30:48

MS Tune Report

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973F\20121216-17581.b\F4350.D		
Injection Date:	16-Dec-2012 10:20:30	Limit Group:	MV - 8260MCP_RCP
Client ID:		Instrument ID:	HP5973F
Lims Batch ID:	96032	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	16.47
75	30.00 - 60.00% of mass 95	42.70
96	5.00 - 9.00% of mass 95	7.32
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	88.34
175	5.00 - 9.00% of mass 174	6.22 (7.04)
176	95.00 - 101.00% of mass 174	84.40 (95.54)
177	5.00 - 9.00% of mass 176	5.46 (6.46)

Data File: \\Bufchrom\ChromData\HP5973F\20121216-17581.b\F4350.D\F-8260 SOIL.rslt\spectra.d
Injection Date: 16-Dec-2012 10:20:30
Spectrum: Tune Spec: Scans 565-567(5.72-5.73) Bgrd 558(5.67)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 30

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	899	61.00	899	76.00	948	95.00	25384
38.00	799	62.00	903	79.00	418	96.00	1857
39.00	433	63.00	687	81.00	458	174.00	22424
49.00	958	68.00	2093	87.00	1067	175.00	1579
50.00	4180	69.00	2090	88.00	967	176.00	21424
51.00	1183	73.00	922	92.00	644	177.00	1385
56.00	378	74.00	3494	93.00	873		
57.00	544	75.00	10839	94.00	2797		

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

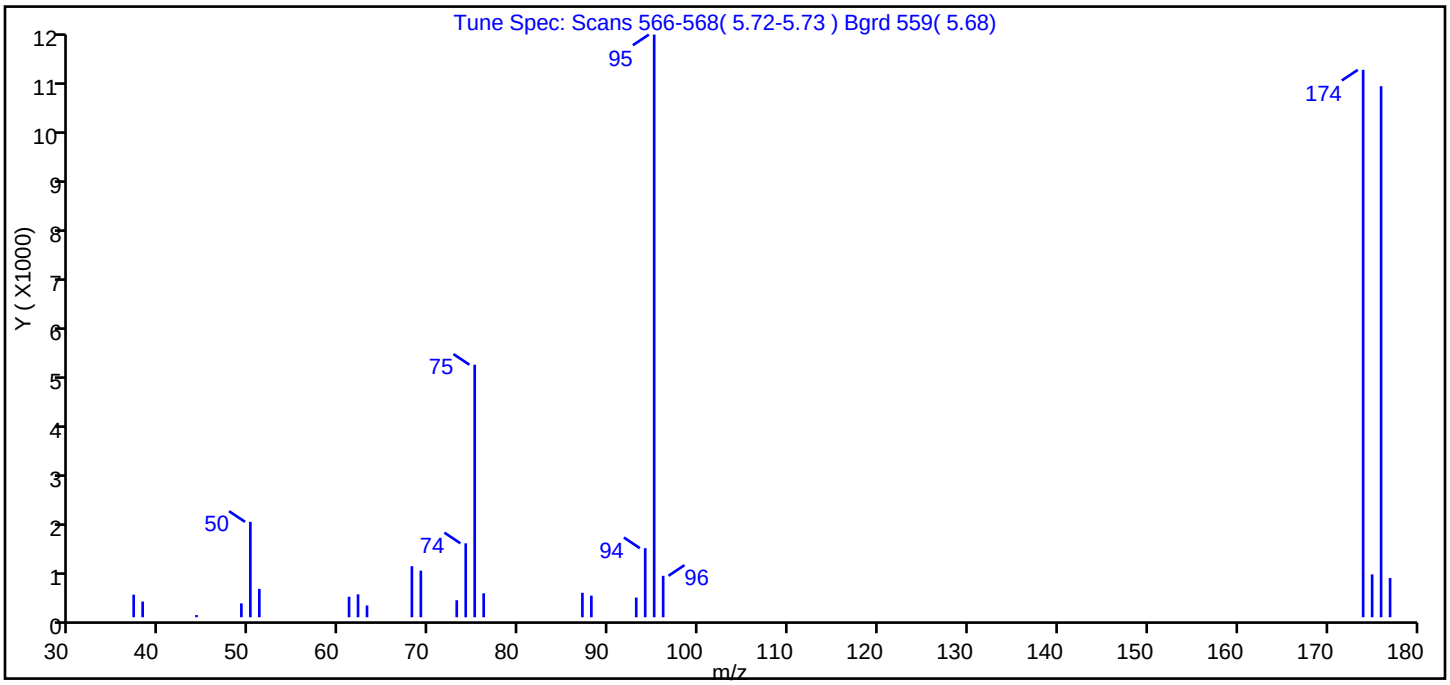
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114		5.608					
* 2 Chlorobenzene-d5	82		8.382					
* 3 1,4-Dichlorobenzene-d4	152		10.700					
$ 61 BFB	95	5.728	5.728	0.0	0	27039	0	

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\20121217-17632.b\F4400.D		
Lims ID:	BFB	Client ID:	
Inject. Date:	17-Dec-2012 20:24:30	Dil. Factor:	1.0000
Sample Type:	BFB		
Sample ID:	BFB		
Misc. Info.:	480-0017632-002 =480-0017632-002		
Operator:	CDC	Instrument ID:	HP5973F
Purge Vol:	5.000 mL	ALS Bottle#:	2
Lims Batch ID:	96268	Lims Sample ID:	2
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973F\20121217-17632.b\F-8260 SOIL.m		
Last Update:	20-Dec-2012 16:04:16	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:	XAWRK021		

First Level Reviewer: cwiklinc Date: 17-Dec-2012 20:22:26

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114		5.614					
* 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	5.728	5.728	0.0	0	42774	0	
$ 5 Toluene-d8 (Surr)	98		6.934					
$ 6 4-Bromofluorobenzene (Surr)	174		9.599					

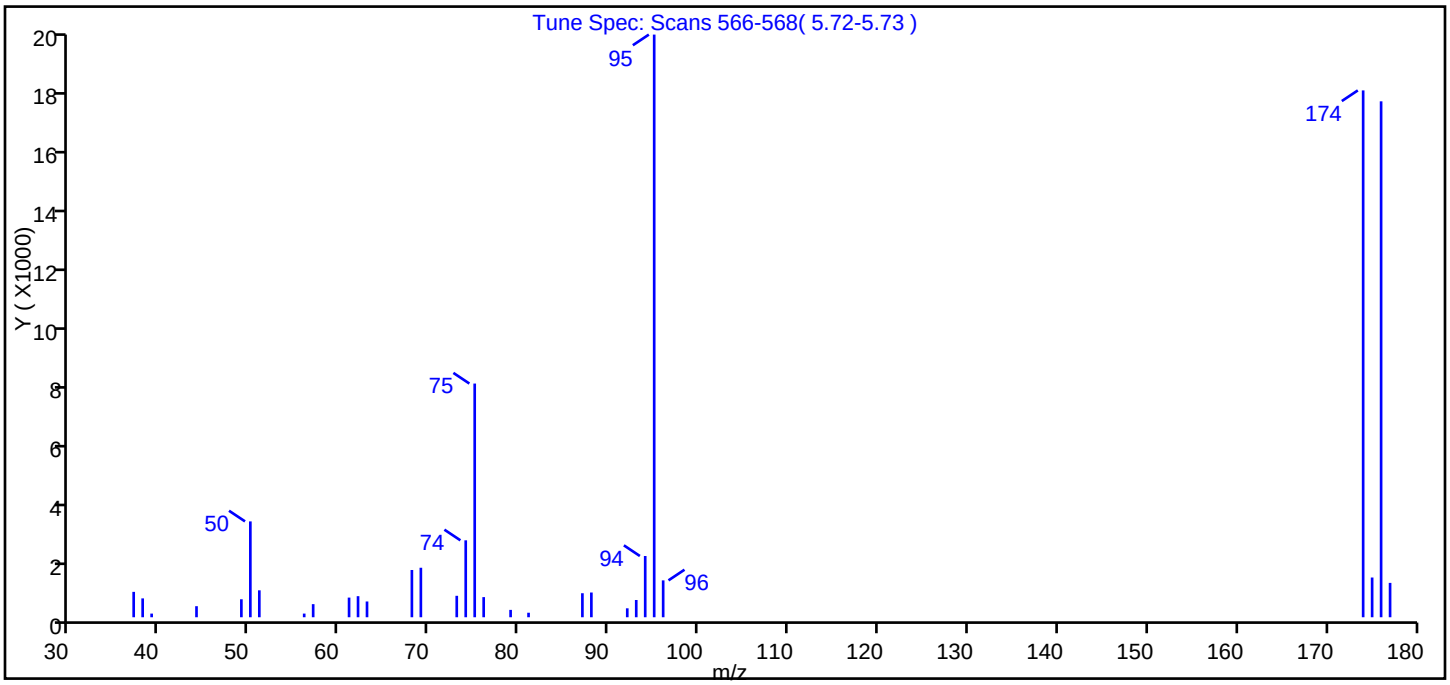
Report Date: 20-Dec-2012 16:04:16 Chrom Revision: 2.0 22-Oct-2012 16:30:48

MS Tune Report

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973F\20121217-17632.b\F4400.D		
Injection Date:	17-Dec-2012 20:24:30	Limit Group:	MV - 8260MCP_RCP
Client ID:		Instrument ID:	HP5973F
Lims Batch ID:	96268	Lims Sample ID:	2
Operator ID:	CDC	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	16.45
75	30.00 - 60.00% of mass 95	40.11
96	5.00 - 9.00% of mass 95	6.33
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	90.42
175	5.00 - 9.00% of mass 174	6.82 (7.54)
176	95.00 - 101.00% of mass 174	88.55 (97.93)
177	5.00 - 9.00% of mass 176	5.90 (6.66)

Data File: \\Bufchrom\ChromData\HP5973F\20121217-17632.b\F4400.D\F-8260 SOIL.rslt\spectra.d
Injection Date: 17-Dec-2012 20:24:30
Spectrum: Tune Spec: Scans 566-568(5.72-5.73)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 31

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	837	57.00	432	75.00	7704	94.00	2019
38.00	622	61.00	648	76.00	664	95.00	19208
39.00	121	62.00	695	79.00	243	96.00	1216
44.00	365	63.00	520	81.00	149	174.00	17368
49.00	593	68.00	1558	87.00	792	175.00	1310
50.00	3160	69.00	1632	88.00	816	176.00	17008
51.00	888	73.00	707	92.00	295	177.00	1133
56.00	121	74.00	2536	93.00	569		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo
Job No.: 480-30197-1
SDG No.:
Client Sample ID:
Lab Sample ID: MB 480-96032/7
Matrix: Solid
Lab File ID: F4356.D
Analysis Method: 8260C
Date Collected:
Sample wt/vol: 5(g)
Date Analyzed: 12/16/2012 13:26
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.: 96032
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)	91		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	84		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.: 480-30197-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 480-96032/7

Matrix: Solid Lab File ID: F4356.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(g) Date Analyzed: 12/16/2012 13:26

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.: 96032 Units: ug/Kg

Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Tentatively Identified Compound		None	

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973F\20121216-17581.b\F4356.D		
Lims ID:	MB	Client ID:	
Inject. Date:	16-Dec-2012 13:26:30	Dil. Factor:	1.0000
Sample Type:	MB		
Sample ID:	MB		
Misc. Info.:	480-0017581-007 =480-0017581-007		
Operator:	JMB	Instrument ID:	HP5973F
Purge Vol:	5.000 mL	ALS Bottle#:	7
Lims Batch ID:	96032	Lims Sample ID:	7
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973F\20121216-17581.b\F-8260 SOIL.m		
Last Update:	16-Dec-2012 13:30:39	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:	RT Order ID
Column Type:	ZB-624	Column Dia:	0.25 mm
Process Host:	XAWRK010		

First Level Reviewer: ByrnesJ Date: 16-Dec-2012 13:30:16

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	323180	50.0	
* 2 Chlorobenzene-d5	82	8.382	8.382	0.0	80	141725	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.700	10.700	0.0	92	161282	50.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.304	5.304	0.0	99	49019	41.8	
$ 5 Toluene-d8 (Surr)	98	6.935	6.935	0.0	91	391174	45.7	
$ 6 4-Bromofluorobenzene (Surr)	174	9.599	9.599	0.0	93	131013	43.4	
10 Dichlorodifluoromethane	85		2.001					
11 Chlorodifluoromethane	51		2.013					
12 Chloromethane	50		2.153					
13 Vinyl chloride	62		2.274					
14 Bromomethane	94		2.560					
15 Chloroethane	64		2.633					
16 Dichlorofluoromethane	67		2.810					
17 Trichlorofluoromethane	101		2.846					
18 Ethyl ether	59		3.029					
19 Propene oxide	58		3.126					
20 Acrolein	56		3.193					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.230					
22 1,1-Dichloroethene	96		3.254					
23 Acetone	43		3.309					9
24 Isopropyl alcohol	45		3.394					
25 Iodomethane	142		3.418					
26 Carbon disulfide	76		3.473					
27 Methyl acetate	43		3.528					
28 3-Chloro-1-propene	41		3.534					9
29 Acetonitrile	40		3.564					
30 Methylene Chloride	84		3.649					
31 2-Methyl-2-propanol	59		3.704					
32 Methyl tert-butyl ether	73		3.807					
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		3.850					9
35 Hexane	57		3.972					
36 Isopropyl ether	45		4.130					
134 Halothane	117		4.130					
37 Vinyl acetate	43		4.154					
39 1,1-Dichloroethane	63		4.172					
38 1,1-Dimethoxyethane	75		4.203					
40 2-Chloro-1,3-butadiene	53		4.227					
41 Tert-butyl ethyl ether	59		4.410					
43 2-Butanone (MEK)	43		4.617					
42 Ethyl acetate	43		4.617					9
44 2,2-Dichloropropane	77		4.623					9
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		5.140					
55 Carbon tetrachloride	117		5.152					
53 Isobutyl alcohol	43		5.201					9
57 Benzene	78		5.328					
56 Tert-amyl methyl ether	73		5.347					
58 1,2-Dichloroethane	62		5.371					
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		5.851					
135 2,4,4-Trimethyl-2-pentene	97		5.919					
64 Methylcyclohexane	83		5.991					
65 1,2-Dichloropropane	63		6.077					
63 Methyl methacrylate	41		6.083					
66 1,4-Dioxane	88		6.186					
67 Dibromomethane	93		6.210					
68 Dichlorobromomethane	83		6.320					
69 2-Chloroethyl vinyl ether	63		6.527					
70 2-Nitropropane	43		6.533					
71 Epichlorohydrin	57		6.649					
72 cis-1,3-Dichloropropene	75		6.703					
73 4-Methyl-2-pentanone (MIBK)	43		6.801					9
74 Toluene	92		6.995					
75 Ethyl methacrylate	69		7.214					
77 trans-1,3-Dichloropropene	75		7.220					
79 1,1,2-Trichloroethane	83		7.421					
81 Tetrachloroethene	166		7.524					
82 1,3-Dichloropropane	76		7.585					
80 2-Hexanone	43		7.591					9
83 Chlorodibromomethane	129		7.829					
84 Ethylene Dibromide	107		7.962					
86 4-Chlorobenzotrifluoride	180		8.309					

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					9
88 Ethylbenzene	91		8.473					
89 1,1,1,2-Tetrachloroethane	131		8.492					
90 m-Xylene & p-Xylene	106		8.589					
91 o-Xylene	106		9.027					
92 Styrene	104		9.045					9
93 2-Chlorobenzotrifluoride	180		9.301					
95 Bromoform	173		9.325					
94 Isopropylbenzene	105		9.386					9
96 Cyclohexanone	55		9.581					9
97 1,1,2,2-Tetrachloroethane	83		9.757					
101 Bromobenzene	156		9.769					
99 N-Propylbenzene	91		9.800					9
98 trans-1,4-Dichloro-2-butene	53		9.800					9
100 1,2,3-Trichloropropane	110		9.812					
103 2-Chlorotoluene	126		9.934					
102 1,3,5-Trimethylbenzene	105		9.964					9
104 3-Chlorotoluene	126		9.988					
105 4-Chlorotoluene	126		10.037					
106 tert-Butylbenzene	134		10.280					
107 1,2,4-Trimethylbenzene	105		10.335					
108 Pentachloroethane	167		10.360					
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		10.719					9
113 1,4-Dichlorobenzene	146		10.724					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		11.740					
118 1,3,5-Trichlorobenzene	180		11.862					9
119 1,2,4-Trichlorobenzene	180		12.391					9
120 Hexachlorobutadiene	225		12.483					
121 Naphthalene	128		12.622					9
122 1,2,3-Trichlorobenzene	180		12.842					9
S 123 Total BTEX	1		30.000					7
S 124 Xylenes, Total	1		30.000					7
S 125 1,2-Dichloroethene, Total	1		30.000					7
S 126 1,3-Dichloropropene, Total	1		30.000					7
T 7 Ethylene oxide	1		0.000					1
T 8 t-Amyl alcohol	59		0.000					1
T 9 bis(2-chloromethyl)ether TIC	1		0.000					1
T 127 Ethanol TIC	45		0.000					1
T 128 Hexachloroethane TIC	1		0.000					1
T 129 tert-amyl alcohol TIC	59		0.000					1
T 130 Hexachloroethane	117		0.000					1
T 131 Nitrobenzene	77		0.000					1
T 132 Methyl acrylate	1		0.000					1

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
T 133 cis-1,4-Dichloro-2-butene	88		0.000					1
T 137 Ethyl acrylate	1		0.000					1
T 138 Aziridine TIC	1		0.000					1
T 139 Bromoethane TIC	1		0.000					1
T 140 bis(chloromethyl)ether TIC	1		0.000					1
T 141 Pentachloroethane TIC	1		0.000					1
T 142 1-Bromopropane	1		0.000					1

QC Flag Legend

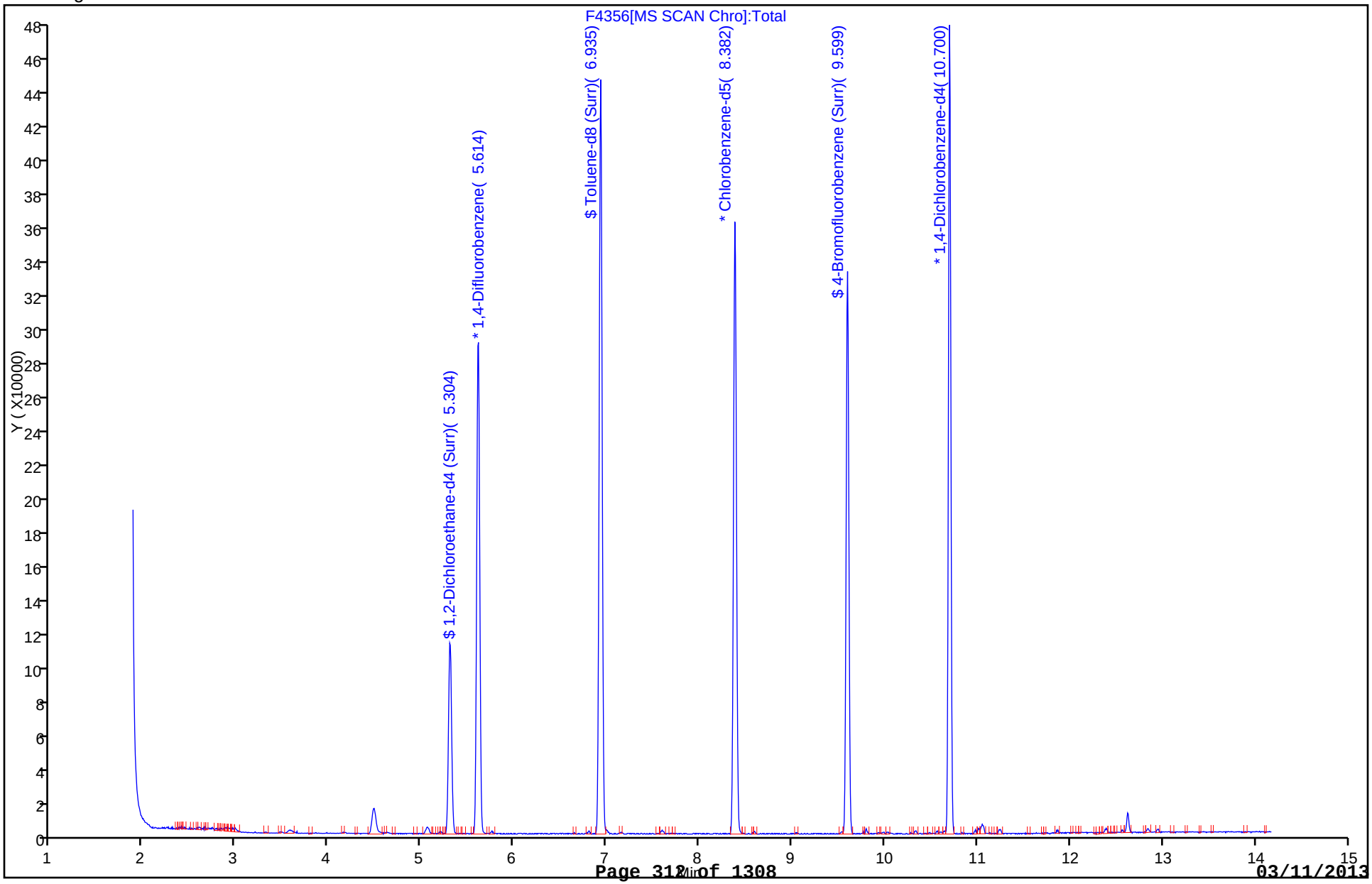
Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

Report Date: 16-Dec-2012 13:30:39 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973F\20121216-17581.b\F4356.D		
Injection Date:	16-Dec-2012 13:26:30	Limit Group:	MV - 8260MCP_RCP
Client ID:		Instrument ID:	HP5973F
Lims Batch ID:	96032	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.: 480-30197-1
SDG No.:
Client Sample ID:
Lab Sample ID: MB 480-96268/8
Matrix: Solid
Lab File ID: F4406.D
Analysis Method: 8260C
Date Collected:
Sample wt/vol: 5(g)
Date Analyzed: 12/17/2012 23:08
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.: 96268
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)	96		70-130
460-00-4	4-Bromofluorobenzene (Surr)	92		70-130

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

Lab Name: TestAmerica Buffalo Job No.: 480-30197-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 480-96268/8

Matrix: Solid Lab File ID: F4406.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(g) Date Analyzed: 12/17/2012 23:08

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.: 96268 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\20121217-17632.b\F4406.D		
Lims ID:	MB	Client ID:	
Inject. Date:	17-Dec-2012 23:08:30	Dil. Factor:	1.0000
Sample Type:	MB		
Sample ID:	MB		
Misc. Info.:	480-0017632-008 =480-0017632-008		
Operator:	CDC	Instrument ID:	HP5973F
Purge Vol:	5.000 mL	ALS Bottle#:	8
Lims Batch ID:	96268	Lims Sample ID:	8
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973F\20121217-17632.b\F-8260 SOIL.m		
Last Update:	17-Dec-2012 23:09:21	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 23:09:21

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.614	5.614	0.0	93	362138	50.0	
* 2 Chlorobenzene-d5	82	8.382	8.382	0.0	82	157011	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.700	10.700	0.0	92	170928	50.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.304	5.304	0.0	99	57426	48.1	
$ 5 Toluene-d8 (Surr)	98	6.934	6.934	0.0	91	436309	48.0	
$ 6 4-Bromofluorobenzene (Surr)	174	9.599	9.599	0.0	92	143152	45.8	
10 Dichlorodifluoromethane	85		2.001					
11 Chlorodifluoromethane	51		2.019					
12 Chloromethane	50		2.159					
13 Vinyl chloride	62		2.274					
14 Bromomethane	94		2.554					
15 Chloroethane	64		2.633					
16 Dichlorofluoromethane	67		2.816					
17 Trichlorofluoromethane	101		2.858					
18 Ethyl ether	59		3.041					
19 Propene oxide	58		3.132					
20 Acrolein	56		3.193					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.230					
22 1,1-Dichloroethene	96		3.260					
23 Acetone	43		3.309					
24 Isopropyl alcohol	45		3.400					
25 Iodomethane	142		3.424					
26 Carbon disulfide	76		3.479					
27 Methyl acetate	43		3.534					
28 3-Chloro-1-propene	41		3.540					9
29 Acetonitrile	40		3.564					
30 Methylene Chloride	84		3.655					
31 2-Methyl-2-propanol	59		3.704					
32 Methyl tert-butyl ether	73		3.807					
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					
134 Halothane	117		4.130					
36 Isopropyl ether	45		4.130					
37 Vinyl acetate	43		4.160					
39 1,1-Dichloroethane	63		4.179					
38 1,1-Dimethoxyethane	75		4.209					
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		4.848					
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					
57 Benzene	78		5.334					
56 Tert-amyl methyl ether	73		5.347					
58 1,2-Dichloroethane	62		5.371					
59 n-Heptane	43		5.420					
136 2,4,4-Trimethyl-1-pentene	55		5.742					
60 n-Butanol	56		5.748					
62 Trichloroethene	95		5.858					
135 2,4,4-Trimethyl-2-pentene	97		5.918					
64 Methylcyclohexane	83		5.991					
65 1,2-Dichloropropane	63		6.077					
63 Methyl methacrylate	41		6.089					
66 1,4-Dioxane	88		6.180					
67 Dibromomethane	93		6.217					
68 Dichlorobromomethane	83		6.326					
69 2-Chloroethyl vinyl ether	63		6.527					
70 2-Nitropropane	43		6.539					
71 Epichlorohydrin	57		6.649					
72 cis-1,3-Dichloropropene	75		6.703					
73 4-Methyl-2-pentanone (MIBK)	43		6.801					9
74 Toluene	92		6.995					
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		7.598					9
83 Chlorodibromomethane	129		7.829					
84 Ethylene Dibromide	107		7.963					
86 4-Chlorobenzotrifluoride	180		8.309					

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					
89 1,1,1,2-Tetrachloroethane	131		8.492					
90 m-Xylene & p-Xylene	106		8.589					
91 o-Xylene	106		9.021					
92 Styrene	104		9.045					
93 2-Chlorobenzotrifluoride	180		9.301					
95 Bromoform	173		9.325					
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					
104 3-Chlorotoluene	126		9.988					
105 4-Chlorotoluene	126		10.037					
99 N-Propylbenzene	91		10.037					9
106 tert-Butylbenzene	134		10.280					
107 1,2,4-Trimethylbenzene	105		10.329					
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		10.737					
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		11.740					
118 1,3,5-Trichlorobenzene	180		11.862					
119 1,2,4-Trichlorobenzene	180		12.391					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		30.000					7
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: 17-Dec-2012 23:09:22 Chrom Revision: 2.0 22-Oct-2012 16:30:48
Data File: \\Bufchrom\ChromData\HP5973F\20121217-17632.b\F4406.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

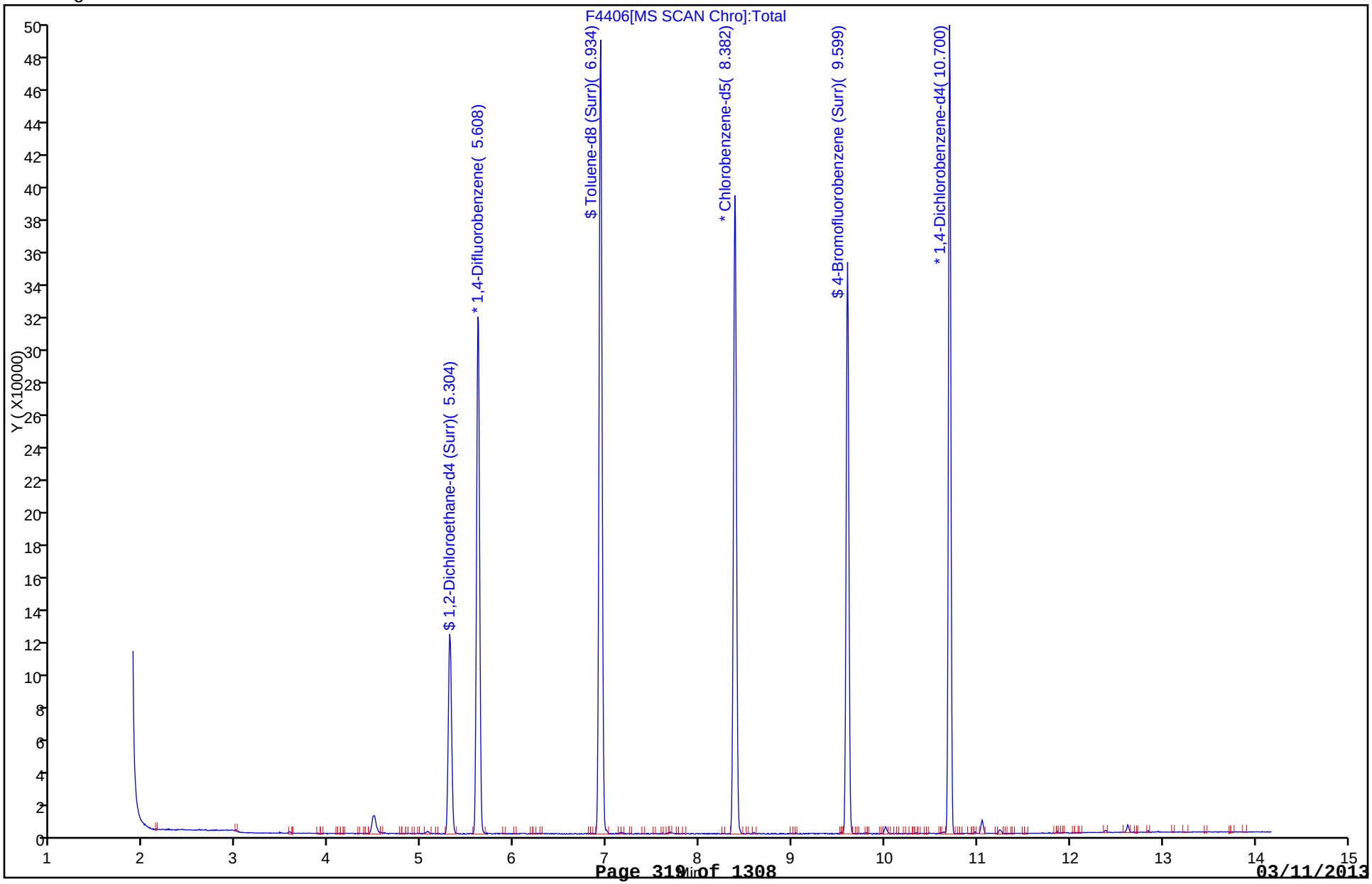
Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

Report Date: 17-Dec-2012 23:09:22 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973F\20121217-17632.b\F4406.D		
Injection Date:	17-Dec-2012 23:08:30	Limit Group:	MV - 8260MCP_RCP
Client ID:		Instrument ID:	HP5973F
Lims Batch ID:	96268	Lims Sample ID:	8
Operator ID:	CDC	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.: 480-30197-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCS 480-96032/5
Matrix: Solid
Lab File ID: F4354.D
Analysis Method: 8260C
Date Collected:
Sample wt/vol: 5(g)
Date Analyzed: 12/16/2012 12:35
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.: 96032
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
107-39-1	2,4,4-Trimethyl-1-pentene	58.4		5.0	0.43
107-40-4	2,4,4-Trimethyl-2-pentene	51.3		5.0	0.53

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	91		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	89		70-130
460-00-4	4-Bromofluorobenzene (Surr)	89		70-130

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973F\20121216-17581.b\F4354.D		
Lims ID:	LCS	Client ID:	
Inject. Date:	16-Dec-2012 12:35:30	Dil. Factor:	1.0000
Sample Type:	LCS		
Sample ID:	LCS		
Misc. Info.:	480-0017581-005 =480-0017581-005		
Operator:	JMB	Instrument ID:	HP5973F
Purge Vol:	5.000 mL	ALS Bottle#:	5
Lims Batch ID:	96032	Lims Sample ID:	5
Detector:	MS SCAN		

Method:	\\Bufchrom\ChromData\HP5973F\20121216-17581.b\F-8260 SOIL.m		
Last Update:	16-Dec-2012 21:10:11	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:	XAWRK014		

First Level Reviewer: ByrnesJ Date: 16-Dec-2012 12:54:43

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	332200	50.0	
* 2 Chlorobenzene-d5	82	8.382	8.382	0.0	68	149168	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.700	10.700	0.0	91	174127	50.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.304	5.304	0.0	98	53583	44.5	
$ 5 Toluene-d8 (Surr)	98	6.935	6.935	0.0	91	411738	45.7	
$ 6 4-Bromofluorobenzene (Surr)	174	9.599	9.599	0.0	90	141771	44.7	
10 Dichlorodifluoromethane	85	2.007	2.001	0.006	87	200642	114.8	
11 Chlorodifluoromethane	51	2.019	2.013	0.006	76	134969	0	
12 Chloromethane	50	2.159	2.153	0.006	89	100610	50.7	
13 Vinyl chloride	62	2.281	2.274	0.007	83	100078	53.9	
14 Bromomethane	94	2.561	2.560	0.0	87	25175	38.2	
15 Chloroethane	64	2.627	2.633	-0.006	90	24933	37.0	
16 Dichlorofluoromethane	67	2.804	2.810	-0.006	81	119125	0	
17 Trichlorofluoromethane	101	2.853	2.846	0.006	82	112594	52.6	
18 Ethyl ether	59	3.029	3.029	0.0	90	99533	48.9	
19 Propene oxide	58	3.126	3.126	0.0	91	162821	0	
20 Acrolein	56	3.193	3.193	0.0	91	415621	992.1	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.230	3.230	0.0	87	208201	110.7	
22 1,1-Dichloroethene	96	3.260	3.254	0.006	83	113176	53.2	
23 Acetone	43	3.309	3.309	0.0	98	263995	281.1	
24 Isopropyl alcohol	45	3.400	3.394	0.006	96	309969	0	
25 Iodomethane	142	3.418	3.418	0.0	97	164866	49.0	
26 Carbon disulfide	76	3.479	3.473	0.006	98	303498	46.7	
27 Methyl acetate	43	3.534	3.528	0.006	88	179143	54.4	
28 3-Chloro-1-propene	41	3.564	3.534	0.030	40	1075004	286.5	E
29 Acetonitrile	40	3.564	3.564	0.0	98	499380	2332.6	
30 Methylene Chloride	84	3.649	3.649	0.0	83	134603	46.9	
31 2-Methyl-2-propanol	59	3.710	3.704	0.006	97	538057	1126.9	
32 Methyl tert-butyl ether	73	3.808	3.807	0.001	87	360033	52.5	
34 trans-1,2-Dichloroethene	96	3.838	3.838	0.0	94	135138	52.8	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
33 Acrylonitrile	53	3.856	3.850	0.006	98	323851	277.6	
35 Hexane	57	3.972	3.972	0.0	90	178223	0	
36 Isopropyl ether	45	4.130	4.130	0.0	72	442419	53.5	
134 Halothane	117	4.136	4.130	0.006	0	73092	52.5	
37 Vinyl acetate	43	4.160	4.154	0.006	97	1575764	326.0	
39 1,1-Dichloroethane	63	4.179	4.172	0.007	72	217239	52.4	
38 1,1-Dimethoxyethane	75	4.203	4.203	0.0	63	187068	0	
40 2-Chloro-1,3-butadiene	53	4.227	4.227	0.0	83	188912	0	
41 Tert-butyl ethyl ether	59	4.416	4.410	0.006	97	386957	50.7	
43 2-Butanone (MEK)	43	4.617	4.617	0.001	98	590043	381.6	
42 Ethyl acetate	43	4.617	4.617	0.0	94	590043	0	
44 2,2-Dichloropropane	77	4.629	4.623	0.006	67	167093	52.5	
45 cis-1,2-Dichloroethene	96	4.635	4.635	0.0	69	149169	53.3	
46 Propionitrile	54	4.720	4.720	0.0	98	279055	566.5	
47 Methacrylonitrile	41	4.818	4.817	0.001	86	81013	0	
48 Chlorobromomethane	128	4.842	4.842	0.0	88	79047	53.8	
49 Tetrahydrofuran	42	4.860	4.860	0.0	89	290431	282.1	
50 Chloroform	83	4.878	4.878	0.0	81	210387	52.4	
51 1,1,1-Trichloroethane	97	5.030	5.024	0.006	92	182596	53.2	
52 Cyclohexane	56	5.055	5.055	0.0	88	196217	50.6	
54 1,1-Dichloropropene	75	5.146	5.140	0.006	94	168250	55.4	
55 Carbon tetrachloride	117	5.152	5.152	0.0	76	160736	53.1	
53 Isobutyl alcohol	43	5.201	5.201	0.0	94	511073	0	
57 Benzene	78	5.335	5.328	0.007	96	500954	52.4	
56 Tert-amyl methyl ether	73	5.347	5.347	0.0	96	365233	54.3	
58 1,2-Dichloroethane	62	5.371	5.371	0.0	77	158783	52.9	
59 n-Heptane	43	5.420	5.420	0.0	93	188512	45.7	
136 2,4,4-Trimethyl-1-pentene	55	5.742	5.742	0.0	0	144435	58.4	
60 n-Butanol	56	5.748	5.742	0.006	87	402545	0	
62 Trichloroethene	95	5.858	5.851	0.007	90	135940	52.7	
135 2,4,4-Trimethyl-2-pentene	97	5.919	5.919	0.0	0	275261	51.3	
64 Methylcyclohexane	83	5.992	5.991	0.001	86	209995	52.8	
65 1,2-Dichloropropane	63	6.077	6.077	0.0	95	126378	53.0	
63 Methyl methacrylate	41	6.083	6.083	0.0	92	202656	82.2	
66 1,4-Dioxane	88	6.180	6.186	-0.006	91	101148	2259.9	
67 Dibromomethane	93	6.211	6.210	0.001	88	76704	53.5	
68 Dichlorobromomethane	83	6.320	6.320	0.0	93	152184	52.6	
69 2-Chloroethyl vinyl ether	63	6.527	6.527	0.0	86	449366	267.2	
70 2-Nitropropane	43	6.527	6.533	-0.006	92	536490	579.3	
71 Epichlorohydrin	57	6.649	6.649	0.0	98	415077	0	
72 cis-1,3-Dichloropropene	75	6.703	6.703	0.0	82	202939	54.7	
73 4-Methyl-2-pentanone (MIBK)	43	6.801	6.801	0.001	95	803677	259.6	
74 Toluene	92	6.995	6.995	0.0	98	338479	51.1	
75 Ethyl methacrylate	69	7.214	7.214	0.0	89	179545	51.9	
77 trans-1,3-Dichloropropene	75	7.221	7.220	0.001	90	179085	52.1	
79 1,1,2-Trichloroethane	83	7.421	7.421	0.0	83	95733	52.6	
81 Tetrachloroethene	166	7.525	7.524	0.001	91	167453	55.4	
82 1,3-Dichloropropane	76	7.586	7.585	0.001	91	193266	51.8	
80 2-Hexanone	43	7.592	7.591	0.001	94	608094	267.1	
83 Chlorodibromomethane	129	7.829	7.829	0.0	87	133958	52.4	
84 Ethylene Dibromide	107	7.963	7.962	0.001	97	134484	52.4	
86 4-Chlorobenzotrifluoride	180	8.309	8.309	0.0	91	230984	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	87	233843	0	
87 Chlorobenzene	112	8.413	8.413	0.0	95	413502	52.0	
88 Ethylbenzene	91	8.474	8.473	0.001	97	634910	51.8	
89 1,1,1,2-Tetrachloroethane	131	8.492	8.492	0.0	88	141713	52.0	
90 m-Xylene & p-Xylene	106	8.589	8.589	0.0	99	531639	102.7	
91 o-Xylene	106	9.021	9.027	-0.006	94	262442	51.8	
92 Styrene	104	9.046	9.045	0.001	95	439672	52.1	
93 2-Chlorobenzotrifluoride	180	9.295	9.301	-0.006	97	235583	0	
95 Bromoform	173	9.325	9.325	0.0	97	90144	45.5	
94 Isopropylbenzene	105	9.386	9.386	0.0	94	665714	50.1	
96 Cyclohexanone	55	9.581	9.581	0.0	90	331126	0	
97 1,1,2,2-Tetrachloroethane	83	9.757	9.757	0.0	81	174434	51.4	
101 Bromobenzene	156	9.770	9.769	0.001	87	188864	49.7	
99 N-Propylbenzene	91	9.800	9.800	0.0	95	770224	50.3	
98 trans-1,4-Dichloro-2-butene	53	9.800	9.800	0.0	57	231653	255.5	
100 1,2,3-Trichloropropane	110	9.812	9.812	0.0	74	57406	52.5	
103 2-Chlorotoluene	126	9.928	9.934	-0.006	98	181095	49.8	
102 1,3,5-Trimethylbenzene	105	9.964	9.964	0.0	95	563200	49.5	
104 3-Chlorotoluene	126	9.989	9.988	0.001	85	205008	0	
105 4-Chlorotoluene	126	10.037	10.037	0.0	95	189587	50.7	
106 tert-Butylbenzene	134	10.281	10.280	0.001	87	140540	50.7	
107 1,2,4-Trimethylbenzene	105	10.329	10.335	-0.006	94	567124	49.6	
108 Pentachloroethane	167	10.360	10.360	0.0	83	95180	0	
109 sec-Butylbenzene	105	10.481	10.481	0.0	92	731596	50.8	
110 4-Isopropyltoluene	119	10.603	10.603	0.0	97	686088	51.4	
111 1,3-Dichlorobenzene	146	10.646	10.645	0.001	90	361559	49.8	
114 Dicyclopentadiene	66	10.719	10.719	0.001	96	584537	0	
113 1,4-Dichlorobenzene	146	10.725	10.724	0.001	88	360294	48.9	
112 1,2,3-Trimethylbenzene	105	10.731	10.731	0.0	95	575203	0	
115 n-Butylbenzene	91	10.974	10.974	0.0	93	542455	51.2	
116 1,2-Dichlorobenzene	146	11.065	11.065	0.0	99	345912	49.8	
117 1,2-Dibromo-3-Chloropropane	75	11.741	11.740	0.001	83	33514	54.8	
118 1,3,5-Trichlorobenzene	180	11.862	11.862	0.0	97	271689	0	
119 1,2,4-Trichlorobenzene	180	12.392	12.391	0.001	94	242122	53.1	
120 Hexachlorobutadiene	225	12.483	12.483	0.0	97	122990	51.1	
121 Naphthalene	128	12.623	12.622	0.001	96	659017	51.1	
122 1,2,3-Trichlorobenzene	180	12.842	12.842	0.0	96	220204	53.5	
S 124 Xylenes, Total	1				0		154.4	
S 125 1,2-Dichloroethene, Total	1				0		106.1	
S 126 1,3-Dichloropropene, Total	1				0		106.8	

QC Flag Legend

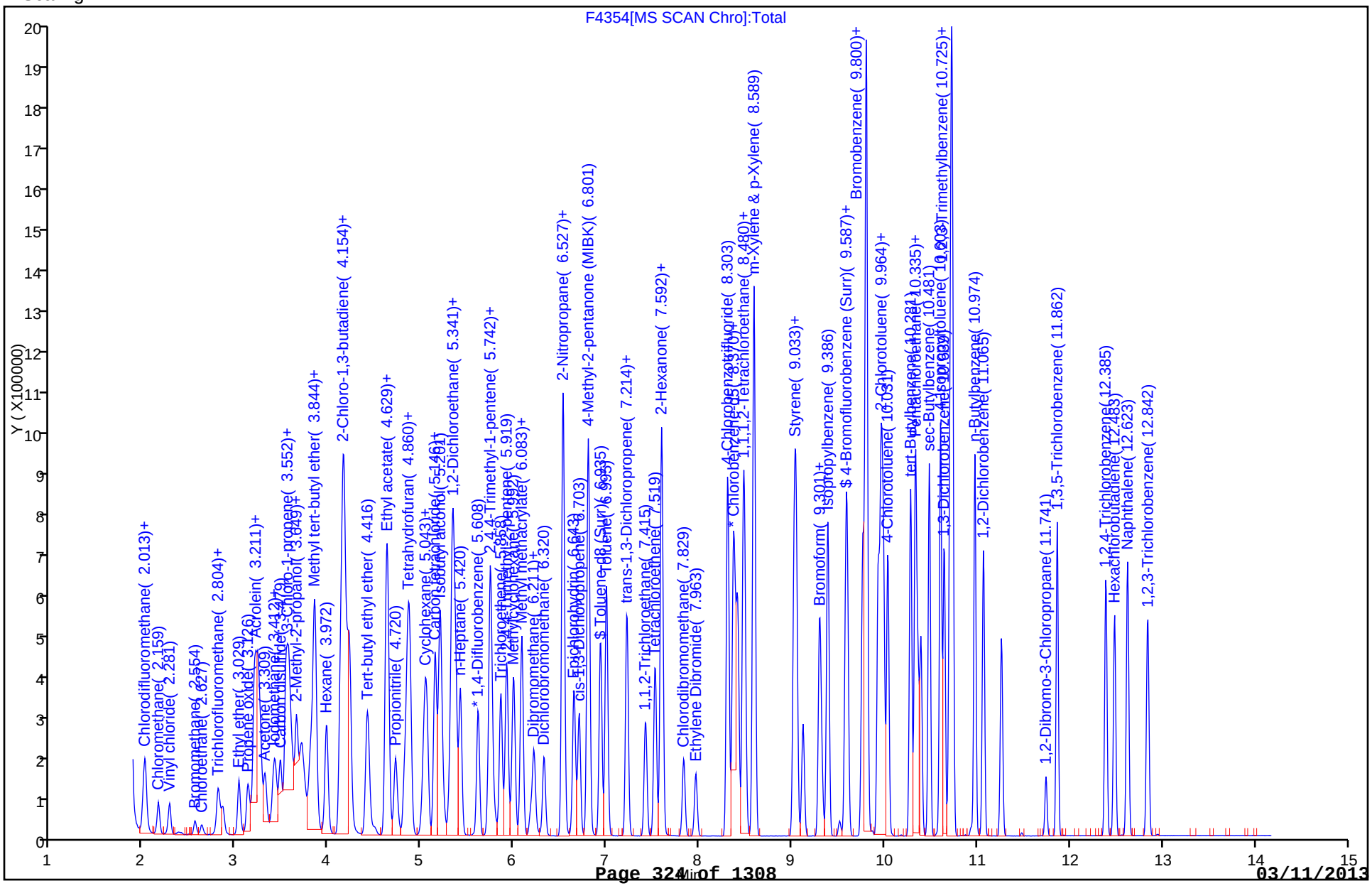
Processing Flags
E - Exceeded Maximum Amount

Report Date: 16-Dec-2012 21:10:11 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973F\20121216-17581.b\F4354.D		
Injection Date:	16-Dec-2012 12:35:30	Limit Group:	MV - 8260MCP_RCP
Client ID:		Instrument ID:	HP5973F
Lims Batch ID:	96032	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.: 480-30197-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCS 480-96268/5
Matrix: Solid
Lab File ID: F4403.D
Analysis Method: 8260C
Date Collected:
Sample wt/vol: 5(g)
Date Analyzed: 12/17/2012 21:51
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.: 96268
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
107-39-1	2,4,4-Trimethyl-1-pentene	53.6		5.0	0.43
107-40-4	2,4,4-Trimethyl-2-pentene	49.6		5.0	0.53

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	92		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	93		70-130
460-00-4	4-Bromofluorobenzene (Surr)	89		70-130

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973F\20121217-17632.b\F4403.D		
Lims ID:	LCS	Client ID:	
Inject. Date:	17-Dec-2012 21:51:30	Dil. Factor:	1.0000
Sample Type:	LCS		
Sample ID:	LCS		
Misc. Info.:	480-0017632-005 =480-0017632-005		
Operator:	CDC	Instrument ID:	HP5973F
Purge Vol:	5.000 mL	ALS Bottle#:	5
Lims Batch ID:	96268	Lims Sample ID:	5
Detector:	MS SCAN		

Method:	\\Bufchrom\ChromData\HP5973F\20121217-17632.b\F-8260 SOIL.m		
Last Update:	26-Dec-2012 16:06:52	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:	XAWRK023		

First Level Reviewer: cwiklinc Date: 17-Dec-2012 23:01:19

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.608	5.614	-0.006	92	372341	50.0	
* 2 Chlorobenzene-d5	82	8.382	8.382	0.0	72	164326	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.700	10.700	0.0	74	183669	50.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.304	5.304	0.0	94	56952	46.4	
$ 5 Toluene-d8 (Surr)	98	6.934	6.934	0.0	91	437351	46.0	
$ 6 4-Bromofluorobenzene (Surr)	174	9.599	9.599	0.0	91	145844	44.6	
10 Dichlorodifluoromethane	85	1.994	2.001	-0.007	87	202456	112.2	
11 Chlorodifluoromethane	51	2.013	2.019	-0.006	76	136390	0	
12 Chloromethane	50	2.153	2.159	-0.006	89	101089	54.2	
13 Vinyl chloride	62	2.274	2.274	0.0	83	99399	52.6	
14 Bromomethane	94	2.548	2.554	-0.006	83	27196	37.7	
15 Chloroethane	64	2.621	2.633	-0.012	93	29389	45.1	
16 Dichlorofluoromethane	67	2.797	2.816	-0.019	81	129108	0	
17 Trichlorofluoromethane	101	2.852	2.858	-0.006	86	125959	51.0	
18 Ethyl ether	59	3.029	3.041	-0.012	90	99267	43.5	
19 Propene oxide	58	3.126	3.132	-0.006	92	155783	0	
20 Acrolein	56	3.193	3.193	0.0	96	402324	1022.6	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.223	3.230	-0.007	81	244808	110.7	
22 1,1-Dichloroethene	96	3.260	3.260	0.0	83	122689	58.3	
23 Acetone	43	3.309	3.309	-0.001	98	217134	241.3	
24 Isopropyl alcohol	45	3.400	3.400	0.0	98	252990	0	
25 Iodomethane	142	3.418	3.424	-0.006	96	182569	53.7	
26 Carbon disulfide	76	3.473	3.479	-0.006	98	355688	51.9	
27 Methyl acetate	43	3.528	3.534	-0.006	89	159855	53.5	
28 3-Chloro-1-propene	41	3.558	3.540	0.018	41	963422	228.4	E
29 Acetonitrile	40	3.564	3.564	0.0	98	448830	2133.4	
30 Methylene Chloride	84	3.649	3.655	-0.006	83	134605	52.1	
31 2-Methyl-2-propanol	59	3.704	3.704	0.0	99	395179	738.4	
32 Methyl tert-butyl ether	73	3.801	3.807	-0.006	87	349021	53.9	
34 trans-1,2-Dichloroethene	96	3.838	3.838	0.0	94	140314	55.7	

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	297968	263.2	
35 Hexane	57	3.972	3.978	-0.006	91	220730	0	
134 Halothane	117	4.124	4.130	-0.006	0	72416	46.4	
36 Isopropyl ether	45	4.130	4.130	0.0	70	426763	46.1	
37 Vinyl acetate	43	4.154	4.160	-0.006	97	1552253	336.0	
39 1,1-Dichloroethane	63	4.172	4.179	-0.007	69	226491	56.7	
38 1,1-Dimethoxyethane	75	4.203	4.209	-0.006	63	159215	0	
40 2-Chloro-1,3-butadiene	53	4.227	4.227	0.0	85	201567	0	
41 Tert-butyl ethyl ether	59	4.416	4.416	0.0	97	377194	44.1	
42 Ethyl acetate	43	4.616	4.617	-0.001	93	528986	0	
43 2-Butanone (MEK)	43	4.616	4.623	-0.007	97	528986	364.4	
44 2,2-Dichloropropane	77	4.623	4.629	-0.006	74	170090	54.6	
45 cis-1,2-Dichloroethene	96	4.635	4.635	0.0	68	151882	55.1	
46 Propionitrile	54	4.720	4.720	0.0	98	245833	445.3	
47 Methacrylonitrile	41	4.817	4.817	0.0	89	76891	0	
48 Chlorobromomethane	128	4.842	4.848	-0.006	88	77656	54.7	
49 Tetrahydrofuran	42	4.860	4.860	0.0	91	254088	266.2	
50 Chloroform	83	4.878	4.878	0.0	80	212184	54.6	
51 1,1,1-Trichloroethane	97	5.024	5.024	0.0	92	186719	53.7	
52 Cyclohexane	56	5.054	5.055	-0.001	88	237566	55.8	
54 1,1-Dichloropropene	75	5.146	5.146	0.0	92	178377	58.9	
55 Carbon tetrachloride	117	5.152	5.152	0.0	77	160421	53.5	
53 Isobutyl alcohol	43	5.200	5.201	-0.001	90	407614	0	
57 Benzene	78	5.334	5.334	0.0	95	517709	54.4	
56 Tert-amyl methyl ether	73	5.347	5.347	-0.001	95	350828	46.6	
58 1,2-Dichloroethane	62	5.371	5.371	0.0	77	156602	52.9	
59 n-Heptane	43	5.420	5.420	0.0	93	245781	53.2	
136 2,4,4-Trimethyl-1-pentene	55	5.742	5.742	0.0	0	148767	53.6	
60 n-Butanol	56	5.748	5.748	0.0	90	340567	0	
62 Trichloroethene	95	5.858	5.858	0.0	90	141955	56.7	
135 2,4,4-Trimethyl-2-pentene	97	5.918	5.918	0.0	0	297868	49.6	
64 Methylcyclohexane	83	5.991	5.991	0.0	86	252820	56.2	
65 1,2-Dichloropropane	63	6.077	6.077	0.0	94	127119	55.2	
63 Methyl methacrylate	41	6.083	6.089	-0.006	93	192498	69.7	
66 1,4-Dioxane	88	6.180	6.180	0.0	89	88296	1790.8	
67 Dibromomethane	93	6.210	6.217	-0.007	87	75342	55.9	
68 Dichlorobromomethane	83	6.320	6.326	-0.006	92	145255	51.8	
69 2-Chloroethyl vinyl ether	63	6.527	6.527	0.0	94	442045	277.5	
70 2-Nitropropane	43	6.527	6.539	-0.012	96	399008	408.4	
71 Epichlorohydrin	57	6.648	6.649	0.0	98	364570	0	
72 cis-1,3-Dichloropropene	75	6.703	6.703	0.0	81	199067	54.9	
73 4-Methyl-2-pentanone (MIBK)	43	6.800	6.801	-0.001	95	735093	255.6	
74 Toluene	92	6.995	6.995	0.0	98	348173	52.6	
75 Ethyl methacrylate	69	7.214	7.214	0.0	89	171476	55.0	
77 trans-1,3-Dichloropropene	75	7.220	7.220	0.0	90	171282	52.0	
79 1,1,2-Trichloroethane	83	7.421	7.415	0.006	84	93602	53.4	
81 Tetrachloroethene	166	7.524	7.525	-0.001	91	180935	58.1	
82 1,3-Dichloropropane	76	7.585	7.585	0.0	90	190631	52.4	
80 2-Hexanone	43	7.597	7.598	-0.001	95	545050	264.2	
83 Chlorodibromomethane	129	7.829	7.829	0.0	87	123889	50.0	
84 Ethylene Dibromide	107	7.962	7.963	-0.001	98	129998	53.5	
86 4-Chlorobenzotrifluoride	180	8.309	8.309	0.0	91	268898	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	88	250195	0	
87 Chlorobenzene	112	8.413	8.413	0.0	90	420953	52.6	
88 Ethylbenzene	91	8.473	8.474	-0.001	97	650626	54.3	
89 1,1,1,2-Tetrachloroethane	131	8.492	8.492	0.0	88	136794	51.8	
90 m-Xylene & p-Xylene	106	8.589	8.589	0.0	99	547116	107.7	
91 o-Xylene	106	9.027	9.021	0.006	93	265102	53.6	
92 Styrene	104	9.045	9.045	0.0	95	444034	55.1	
93 2-Chlorobenzotrifluoride	180	9.295	9.301	-0.006	97	250483	0	
95 Bromoform	173	9.325	9.325	0.0	97	77838	48.2	
94 Isopropylbenzene	105	9.386	9.386	0.0	94	683724	54.1	
96 Cyclohexanone	55	9.581	9.581	0.0	89	300042	0	
97 1,1,2,2-Tetrachloroethane	83	9.757	9.757	0.0	87	164875	53.5	
101 Bromobenzene	156	9.769	9.769	0.0	86	189042	52.1	
98 trans-1,4-Dichloro-2-butene	53	9.800	9.800	0.0	54	214033	275.7	
99 N-Propylbenzene	91	9.800	9.800	0.0	95	787016	88.8	
100 1,2,3-Trichloropropane	110	9.812	9.812	0.0	69	53921	51.4	
103 2-Chlorotoluene	126	9.934	9.928	0.006	98	185262	54.0	
102 1,3,5-Trimethylbenzene	105	9.964	9.964	0.0	94	575682	54.0	
104 3-Chlorotoluene	126	9.988	9.988	0.0	84	208894	0	
105 4-Chlorotoluene	126	10.037	10.037	0.0	95	195560	55.3	
106 tert-Butylbenzene	134	10.280	10.280	0.0	88	144386	54.5	
107 1,2,4-Trimethylbenzene	105	10.335	10.329	0.006	94	571791	54.0	
108 Pentachloroethane	167	10.359	10.359	0.0	81	87770	0	
109 sec-Butylbenzene	105	10.481	10.481	0.0	93	755097	55.4	
110 4-Isopropyltoluene	119	10.603	10.603	0.0	97	700338	56.6	
111 1,3-Dichlorobenzene	146	10.645	10.645	0.0	96	361626	52.3	
114 Dicyclopentadiene	66	10.718	10.718	0.0	96	613323	0	
113 1,4-Dichlorobenzene	146	10.724	10.725	0.0	92	360485	50.9	
112 1,2,3-Trimethylbenzene	105	10.737	10.737	0.0	93	582921	0	
115 n-Butylbenzene	91	10.974	10.974	0.0	93	557701	57.0	
116 1,2-Dichlorobenzene	146	11.065	11.065	0.0	98	342760	52.0	
117 1,2-Dibromo-3-Chloropropane	75	11.740	11.740	0.0	81	27906	53.4	
118 1,3,5-Trichlorobenzene	180	11.862	11.862	0.0	97	272669	0	
119 1,2,4-Trichlorobenzene	180	12.391	12.391	0.0	95	230400	56.8	
120 Hexachlorobutadiene	225	12.483	12.483	0.0	94	124995	58.5	
121 Naphthalene	128	12.622	12.623	-0.001	96	594926	55.1	
122 1,2,3-Trichlorobenzene	180	12.841	12.842	-0.001	95	208084	58.1	
S 125 1,2-Dichloroethene, Total	1				0		110.8	
S 126 1,3-Dichloropropene, Total	1				0		106.9	
S 124 Xylenes, Total	1				0		161.3	

QC Flag Legend

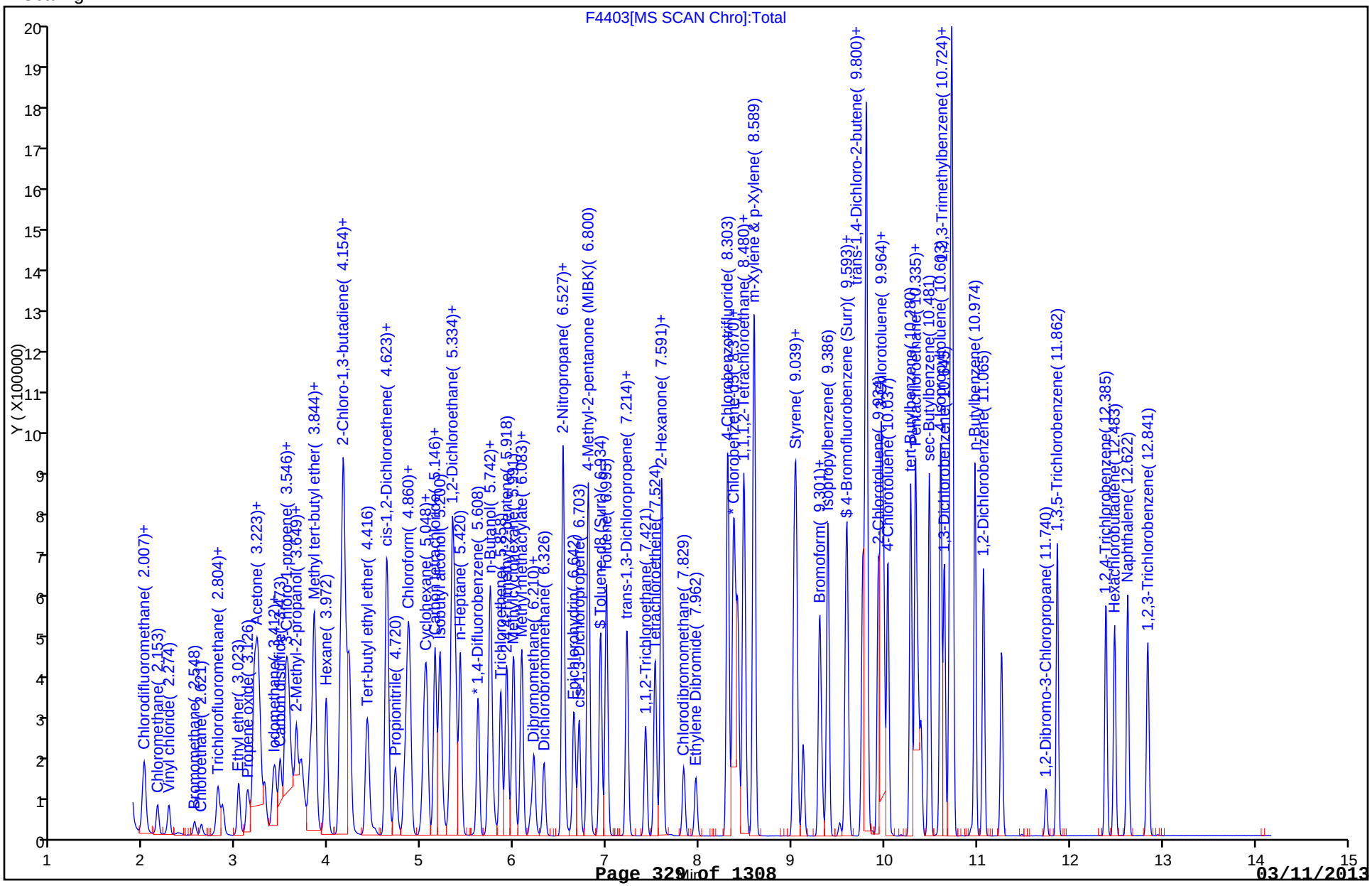
Processing Flags
E - Exceeded Maximum Amount

Report Date: 26-Dec-2012 16:06:52 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973F\20121217-17632.b\F4403.D		
Injection Date:	17-Dec-2012 21:51:30	Limit Group:	MV - 8260MCP_RCP
Client ID:		Instrument ID:	HP5973F
Lims Batch ID:	96268	Lims Sample ID:	5
Operator ID:	CDC	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.: 480-30197-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCSD 480-96032/6
Matrix: Solid
Lab File ID: F4355.D
Analysis Method: 8260C
Date Collected:
Sample wt/vol: 5(g)
Date Analyzed: 12/16/2012 13:00
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.: 96032
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
107-39-1	2,4,4-Trimethyl-1-pentene	54.2		5.0	0.43
107-40-4	2,4,4-Trimethyl-2-pentene	50.4		5.0	0.53

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

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973F\20121216-17581.b\F4355.D		
Lims ID:	LCSD	Client ID:	
Inject. Date:	16-Dec-2012 13:00:30	Dil. Factor:	1.0000
Sample Type:	LCSD		
Sample ID:	LCSD		
Misc. Info.:	480-0017581-006 =480-0017581-006		
Operator:	JMB	Instrument ID:	HP5973F
Purge Vol:	5.000 mL	ALS Bottle#:	6
Lims Batch ID:	96032	Lims Sample ID:	6
Detector:	MS SCAN		

Method:	\\Bufchrom\ChromData\HP5973F\20121216-17581.b\F-8260 SOIL.m		
Last Update:	16-Dec-2012 21:10:39	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:	XAWRK014		

First Level Reviewer: ByrnesJ Date: 16-Dec-2012 13:14:12

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	341021	50.0	
* 2 Chlorobenzene-d5	82	8.382	8.382	0.0	71	154040	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.700	10.700	0.0	84	175631	50.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.304	5.304	0.0	96	53494	43.3	
$ 5 Toluene-d8 (Surr)	98	6.935	6.935	0.0	90	417494	44.9	
$ 6 4-Bromofluorobenzene (Surr)	174	9.599	9.599	0.0	90	142954	43.6	
10 Dichlorodifluoromethane	85	2.001	2.001	0.0	87	191363	106.7	
11 Chlorodifluoromethane	51	2.013	2.013	0.0	76	133797	0	
12 Chloromethane	50	2.159	2.153	0.006	89	98638	48.4	
13 Vinyl chloride	62	2.275	2.274	0.001	97	99096	52.0	
14 Bromomethane	94	2.554	2.560	-0.006	83	26597	39.2	
15 Chloroethane	64	2.627	2.633	-0.006	91	26800	38.8	
16 Dichlorofluoromethane	67	2.804	2.810	-0.006	81	124814	0	
17 Trichlorofluoromethane	101	2.852	2.846	0.006	81	115421	52.5	
18 Ethyl ether	59	3.029	3.029	0.0	90	98453	47.1	
19 Propene oxide	58	3.126	3.126	0.0	91	152686	0	
20 Acrolein	56	3.193	3.193	0.0	92	380633	885.1	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.230	3.230	0.0	81	209273	108.4	
22 1,1-Dichloroethene	96	3.254	3.254	0.0	84	114725	52.5	
23 Acetone	43	3.309	3.309	0.0	97	235221	244.0	
24 Isopropyl alcohol	45	3.400	3.394	0.006	99	270246	0	
25 Iodomethane	142	3.418	3.418	0.0	96	166518	48.2	
26 Carbon disulfide	76	3.473	3.473	0.0	98	306517	45.9	
27 Methyl acetate	43	3.528	3.528	0.0	89	162417	48.1	
28 3-Chloro-1-propene	41	3.558	3.534	0.024	42	990983	256.9	E
29 Acetonitrile	40	3.564	3.564	0.0	98	467856	2128.9	
30 Methylene Chloride	84	3.649	3.649	0.0	82	135084	45.8	
31 2-Methyl-2-propanol	59	3.704	3.704	0.0	97	443892	905.6	
32 Methyl tert-butyl ether	73	3.808	3.807	0.001	87	347984	49.5	
34 trans-1,2-Dichloroethene	96	3.838	3.838	0.0	94	135950	51.7	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
33 Acrylonitrile	53	3.856	3.850	0.006	98	300729	251.1	
35 Hexane	57	3.972	3.972	0.0	90	175828	0	
36 Isopropyl ether	45	4.130	4.130	0.0	70	442516	52.2	
134 Halothane	117	4.130	4.130	0.0	0	74454	52.1	
37 Vinyl acetate	43	4.154	4.154	0.0	97	1500154	302.3	
39 1,1-Dichloroethane	63	4.179	4.172	0.007	73	223508	52.5	
38 1,1-Dimethoxyethane	75	4.203	4.203	0.0	63	169602	0	
40 2-Chloro-1,3-butadiene	53	4.227	4.227	0.0	84	190406	0	
41 Tert-butyl ethyl ether	59	4.416	4.410	0.006	97	383410	49.0	
43 2-Butanone (MEK)	43	4.617	4.617	0.001	98	533809	336.3	
42 Ethyl acetate	43	4.617	4.617	0.0	93	533809	0	
44 2,2-Dichloropropane	77	4.623	4.623	0.0	51	168357	51.5	
45 cis-1,2-Dichloroethene	96	4.635	4.635	0.0	68	148528	51.7	
46 Propionitrile	54	4.720	4.720	0.0	98	253241	500.8	
47 Methacrylonitrile	41	4.824	4.817	0.007	89	89028	0	
48 Chlorobromomethane	128	4.842	4.842	0.0	89	79241	52.5	
49 Tetrahydrofuran	42	4.860	4.860	0.0	92	260698	246.6	
50 Chloroform	83	4.878	4.878	0.0	81	209657	50.8	
51 1,1,1-Trichloroethane	97	5.024	5.024	0.0	92	184200	52.3	
52 Cyclohexane	56	5.055	5.055	0.0	89	200643	50.4	
54 1,1-Dichloropropene	75	5.146	5.140	0.006	92	169728	54.4	
55 Carbon tetrachloride	117	5.152	5.152	0.0	78	163970	52.7	
53 Isobutyl alcohol	43	5.201	5.201	0.0	90	443331	0	
57 Benzene	78	5.335	5.328	0.007	95	510662	52.1	
56 Tert-amyl methyl ether	73	5.347	5.347	0.0	95	361317	52.4	
58 1,2-Dichloroethane	62	5.365	5.371	-0.006	75	157517	51.2	
59 n-Heptane	43	5.420	5.420	0.0	93	193394	45.7	
136 2,4,4-Trimethyl-1-pentene	55	5.742	5.742	0.0	0	137627	54.2	
60 n-Butanol	56	5.748	5.742	0.006	87	357159	0	
62 Trichloroethene	95	5.858	5.851	0.007	89	136690	51.6	
135 2,4,4-Trimethyl-2-pentene	97	5.925	5.919	0.006	0	277209	50.4	
64 Methylcyclohexane	83	5.992	5.991	0.001	86	213574	52.3	
65 1,2-Dichloropropane	63	6.077	6.077	0.0	94	127831	52.3	
63 Methyl methacrylate	41	6.083	6.083	0.0	92	194053	76.7	
66 1,4-Dioxane	88	6.180	6.186	-0.006	88	92821	2008.3	
67 Dibromomethane	93	6.211	6.210	0.001	89	75579	51.3	
68 Dichlorobromomethane	83	6.320	6.320	0.0	92	151971	51.2	
69 2-Chloroethyl vinyl ether	63	6.527	6.527	0.0	87	433680	251.2	
70 2-Nitropropane	43	6.527	6.533	-0.006	93	499338	534.5	
71 Epichlorohydrin	57	6.649	6.649	0.0	98	374542	0	
72 cis-1,3-Dichloropropene	75	6.703	6.703	0.0	79	203091	53.3	
73 4-Methyl-2-pentanone (MIBK)	43	6.801	6.801	0.001	95	736997	230.6	
74 Toluene	92	6.995	6.995	0.0	98	341388	49.9	
75 Ethyl methacrylate	69	7.214	7.214	0.0	89	173068	48.4	
77 trans-1,3-Dichloropropene	75	7.221	7.220	0.0	90	176368	49.7	
79 1,1,2-Trichloroethane	83	7.415	7.421	-0.006	83	94182	50.1	
81 Tetrachloroethene	166	7.519	7.524	-0.005	90	172989	55.4	
82 1,3-Dichloropropane	76	7.586	7.585	0.001	91	189344	49.1	
80 2-Hexanone	43	7.592	7.591	0.001	95	550052	233.9	
83 Chlorodibromomethane	129	7.835	7.829	0.006	86	132530	50.2	
84 Ethylene Dibromide	107	7.963	7.962	0.001	97	130270	49.2	
86 4-Chlorobenzotrifluoride	180	8.309	8.309	0.0	91	244067	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	87	227549	0	
87 Chlorobenzene	112	8.413	8.413	0.0	97	419264	51.0	
88 Ethylbenzene	91	8.474	8.473	0.001	97	638097	50.4	
89 1,1,1,2-Tetrachloroethane	131	8.492	8.492	0.0	85	142372	50.6	
90 m-Xylene & p-Xylene	106	8.589	8.589	0.0	99	541124	101.2	
91 o-Xylene	106	9.021	9.027	-0.006	94	265539	50.7	
92 Styrene	104	9.046	9.045	0.001	95	438488	50.4	
93 2-Chlorobenzotrifluoride	180	9.295	9.301	-0.006	97	237315	0	
95 Bromoform	173	9.325	9.325	0.0	96	86395	42.3	
94 Isopropylbenzene	105	9.386	9.386	0.0	94	668622	49.9	
96 Cyclohexanone	55	9.581	9.581	0.0	90	294591	0	
97 1,1,2,2-Tetrachloroethane	83	9.757	9.757	0.0	81	164555	48.1	
101 Bromobenzene	156	9.770	9.769	0.001	86	189530	49.4	
99 N-Propylbenzene	91	9.800	9.800	0.0	95	772160	50.0	
98 trans-1,4-Dichloro-2-butene	53	9.800	9.800	0.0	55	215335	235.5	
100 1,2,3-Trichloropropane	110	9.812	9.812	0.0	57	53474	48.5	
103 2-Chlorotoluene	126	9.934	9.934	0.0	98	183806	50.1	
102 1,3,5-Trimethylbenzene	105	9.964	9.964	0.0	95	567698	49.5	
104 3-Chlorotoluene	126	9.989	9.988	0.001	84	203586	0	
105 4-Chlorotoluene	126	10.037	10.037	0.0	95	193042	51.1	
106 tert-Butylbenzene	134	10.281	10.280	0.001	87	141013	50.5	
107 1,2,4-Trimethylbenzene	105	10.329	10.335	-0.006	93	566381	49.1	
108 Pentachloroethane	167	10.360	10.360	0.0	80	92598	0	
109 sec-Butylbenzene	105	10.481	10.481	0.0	92	733620	50.5	
110 4-Isopropyltoluene	119	10.603	10.603	0.0	96	688324	51.1	
111 1,3-Dichlorobenzene	146	10.646	10.645	0.001	95	362125	49.5	
114 Dicyclopentadiene	66	10.719	10.719	0.001	96	580659	0	
113 1,4-Dichlorobenzene	146	10.725	10.724	0.001	88	361356	48.6	
112 1,2,3-Trimethylbenzene	105	10.731	10.731	0.0	97	575208	0	
115 n-Butylbenzene	91	10.974	10.974	0.0	93	547581	51.2	
116 1,2-Dichlorobenzene	146	11.065	11.065	0.0	98	342977	48.9	
117 1,2-Dibromo-3-Chloropropane	75	11.741	11.740	0.001	81	29948	48.6	
118 1,3,5-Trichlorobenzene	180	11.862	11.862	0.0	98	270791	0	
119 1,2,4-Trichlorobenzene	180	12.392	12.391	0.001	93	236094	51.3	
120 Hexachlorobutadiene	225	12.483	12.483	0.0	94	123510	50.9	
121 Naphthalene	128	12.623	12.622	0.001	96	615454	47.4	
122 1,2,3-Trichlorobenzene	180	12.842	12.842	0.0	95	212627	51.2	
S 124 Xylenes, Total	1				0		151.9	
S 125 1,2-Dichloroethene, Total	1				0		103.4	
S 126 1,3-Dichloropropene, Total	1				0		103.0	

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount

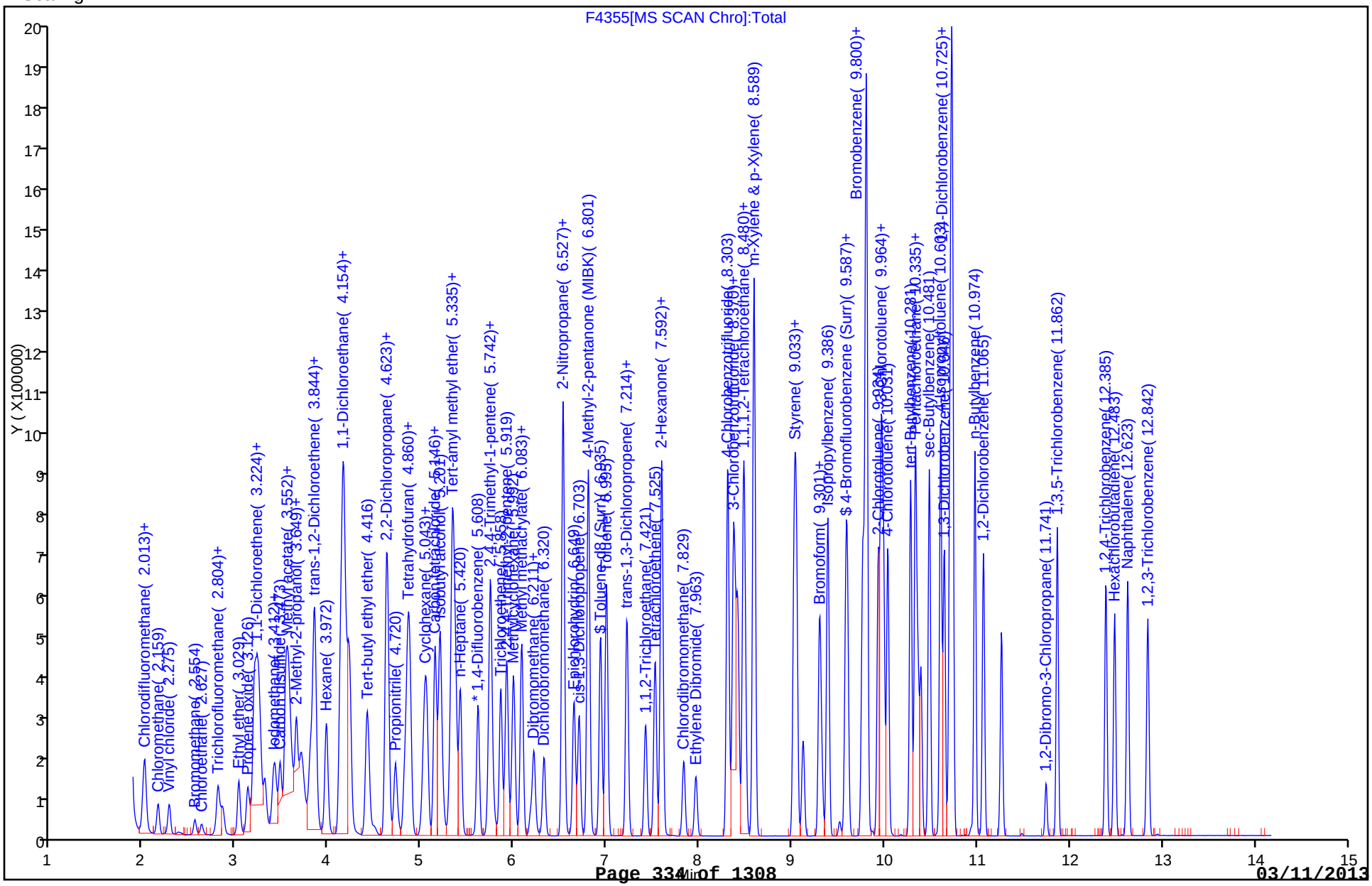
Report Date: 16-Dec-2012 21:10:39 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973F\20121216-17581.b\F4355.D

Injection Date:	16-Dec-2012 13:00:30	Limit Group:	MV - 8260MCP_RCP
Client ID:		Instrument ID:	HP5973F
Lims Batch ID:	96032	Lims Sample ID:	6
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.: 480-30197-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCSD 480-96268/6
Matrix: Solid
Lab File ID: F4404.D
Analysis Method: 8260C
Date Collected:
Sample wt/vol: 5(g)
Date Analyzed: 12/17/2012 22:17
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.: 96268
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
107-39-1	2,4,4-Trimethyl-1-pentene	54.6		5.0	0.43
107-40-4	2,4,4-Trimethyl-2-pentene	46.0		5.0	0.53

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	93		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		70-130
460-00-4	4-Bromofluorobenzene (Surr)	90		70-130

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973F\20121217-17632.b\F4404.D		
Lims ID:	LCSD	Client ID:	
Inject. Date:	17-Dec-2012 22:17:30	Dil. Factor:	1.0000
Sample Type:	LCSD		
Sample ID:	LCSD		
Misc. Info.:	480-0017632-006 =480-0017632-006		
Operator:	CDC	Instrument ID:	HP5973F
Purge Vol:	5.000 mL	ALS Bottle#:	6
Lims Batch ID:	96268	Lims Sample ID:	6
Detector:	MS SCAN		

Method:	\\Bufchrom\ChromData\HP5973F\20121217-17632.b\F-8260 SOIL.m		
Last Update:	26-Dec-2012 16:07:18	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:	XAWRK023		

First Level Reviewer: cwiklinc Date: 17-Dec-2012 23:05:36

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.608	5.614	-0.006	92	377473	50.0	
* 2 Chlorobenzene-d5	82	8.382	8.382	0.0	73	168216	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.700	10.700	0.0	90	188127	50.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.304	5.304	0.0	95	59816	48.1	
$ 5 Toluene-d8 (Surr)	98	6.934	6.934	0.0	91	452142	46.5	
$ 6 4-Bromofluorobenzene (Surr)	174	9.599	9.599	0.0	91	151055	45.1	
10 Dichlorodifluoromethane	85	1.995	2.001	-0.006	87	196387	107.4	
11 Chlorodifluoromethane	51	2.007	2.019	-0.012	76	131254	0	
12 Chloromethane	50	2.147	2.159	-0.012	89	98923	52.3	
13 Vinyl chloride	62	2.268	2.274	-0.006	84	100797	52.6	
14 Bromomethane	94	2.548	2.554	-0.006	86	25297	35.0	
15 Chloroethane	64	2.621	2.633	-0.012	94	26638	40.3	
16 Dichlorofluoromethane	67	2.798	2.816	-0.018	82	123365	0	
17 Trichlorofluoromethane	101	2.846	2.858	-0.012	85	118764	47.5	
18 Ethyl ether	59	3.023	3.041	-0.018	90	99740	43.1	
19 Propene oxide	58	3.120	3.132	-0.012	91	166375	0	
20 Acrolein	56	3.187	3.193	-0.006	92	431495	1081.9	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.223	3.230	-0.007	80	235128	105.0	
22 1,1-Dichloroethene	96	3.254	3.260	-0.006	84	119373	56.0	
23 Acetone	43	3.302	3.309	-0.007	100	245857	269.5	
24 Isopropyl alcohol	45	3.394	3.400	-0.006	98	294200	0	
25 Iodomethane	142	3.418	3.424	-0.006	96	183733	53.3	
26 Carbon disulfide	76	3.473	3.479	-0.006	98	352331	50.8	
27 Methyl acetate	43	3.528	3.534	-0.006	95	183983	60.8	
28 3-Chloro-1-propene	41	3.558	3.540	0.018	41	1051980	246.2	E
29 Acetonitrile	40	3.564	3.564	0.0	98	496921	2329.8	
30 Methylene Chloride	84	3.649	3.655	-0.006	82	137544	52.5	
31 2-Methyl-2-propanol	59	3.698	3.704	-0.006	98	483549	891.3	
32 Methyl tert-butyl ether	73	3.807	3.807	0.0	83	368272	56.1	
34 trans-1,2-Dichloroethene	96	3.838	3.838	0.0	96	140080	54.9	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
33 Acrylonitrile	53	3.850	3.856	-0.006	100	330527	287.9	
35 Hexane	57	3.972	3.978	-0.006	90	224171	0	
134 Halothane	117	4.124	4.130	-0.006	0	71879	45.4	
36 Isopropyl ether	45	4.130	4.130	0.0	63	446457	47.5	
37 Vinyl acetate	43	4.154	4.160	-0.006	97	1631308	348.3	
39 1,1-Dichloroethane	63	4.172	4.179	-0.007	73	225114	55.6	
38 1,1-Dimethoxyethane	75	4.203	4.209	-0.006	63	182613	0	
40 2-Chloro-1,3-butadiene	53	4.221	4.227	-0.006	78	198007	0	
41 Tert-butyl ethyl ether	59	4.410	4.416	-0.006	97	393509	45.4	
42 Ethyl acetate	43	4.617	4.617	0.0	96	597462	0	
43 2-Butanone (MEK)	43	4.617	4.623	-0.006	98	597462	406.0	
44 2,2-Dichloropropane	77	4.623	4.629	-0.006	70	166994	52.9	
45 cis-1,2-Dichloroethene	96	4.635	4.635	0.0	69	151736	54.3	
46 Propionitrile	54	4.714	4.720	-0.006	98	273270	488.2	
47 Methacrylonitrile	41	4.817	4.817	0.0	89	72854	0	
48 Chlorobromomethane	128	4.842	4.848	-0.006	85	80892	56.2	
49 Tetrahydrofuran	42	4.860	4.860	0.0	92	288660	298.3	
50 Chloroform	83	4.878	4.878	0.0	80	215238	54.6	
51 1,1,1-Trichloroethane	97	5.024	5.024	0.0	92	185757	52.7	
52 Cyclohexane	56	5.048	5.055	-0.007	88	232909	54.0	
54 1,1-Dichloropropene	75	5.140	5.146	-0.006	92	175986	57.3	
55 Carbon tetrachloride	117	5.152	5.152	0.0	78	158553	52.2	
53 Isobutyl alcohol	43	5.201	5.201	0.0	92	467704	0	
57 Benzene	78	5.328	5.334	-0.006	96	518943	53.8	
56 Tert-amyl methyl ether	73	5.340	5.347	-0.007	96	370358	48.5	
58 1,2-Dichloroethane	62	5.371	5.371	0.0	78	164451	54.8	
59 n-Heptane	43	5.413	5.420	-0.007	93	239791	51.2	
136 2,4,4-Trimethyl-1-pentene	55	5.736	5.742	-0.006	0	153506	54.6	
60 n-Butanol	56	5.748	5.748	0.0	91	378771	0	
62 Trichloroethene	95	5.852	5.858	-0.006	89	141705	55.8	
135 2,4,4-Trimethyl-2-pentene	97	5.918	5.918	0.0	0	280021	46.0	
64 Methylcyclohexane	83	5.991	5.991	0.0	86	249397	54.8	
65 1,2-Dichloropropane	63	6.077	6.077	0.0	84	129040	55.3	
63 Methyl methacrylate	41	6.083	6.089	-0.006	94	209471	74.8	
66 1,4-Dioxane	88	6.180	6.180	0.0	90	97584	1933.4	
67 Dibromomethane	93	6.210	6.217	-0.007	88	78562	57.5	
68 Dichlorobromomethane	83	6.320	6.326	-0.006	92	149009	52.4	
69 2-Chloroethyl vinyl ether	63	6.527	6.527	0.0	94	473666	293.4	
70 2-Nitropropane	43	6.527	6.539	-0.012	96	435323	435.0	
71 Epichlorohydrin	57	6.648	6.649	0.0	97	412798	0	
72 cis-1,3-Dichloropropene	75	6.703	6.703	0.0	79	204313	55.6	
73 4-Methyl-2-pentanone (MIBK)	43	6.801	6.801	0.0	95	829607	281.8	
74 Toluene	92	6.995	6.995	0.0	98	351377	51.9	
75 Ethyl methacrylate	69	7.214	7.214	0.0	89	187518	58.7	
77 trans-1,3-Dichloropropene	75	7.220	7.220	0.0	91	179243	53.1	
79 1,1,2-Trichloroethane	83	7.421	7.415	0.006	84	98770	55.1	
81 Tetrachloroethene	166	7.524	7.525	-0.001	91	186716	58.6	
82 1,3-Dichloropropane	76	7.585	7.585	0.0	90	197996	53.2	
80 2-Hexanone	43	7.591	7.598	-0.007	94	614718	291.1	
83 Chlorodibromomethane	129	7.829	7.829	0.0	87	129987	51.2	
84 Ethylene Dibromide	107	7.963	7.963	-0.001	97	140216	56.4	
86 4-Chlorobenzotrifluoride	180	8.309	8.309	0.0	91	264975	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	87	244890	0	
87 Chlorobenzene	112	8.413	8.413	0.0	95	425994	52.0	
88 Ethylbenzene	91	8.474	8.474	0.0	97	651348	53.1	
89 1,1,1,2-Tetrachloroethane	131	8.492	8.492	0.0	85	140556	52.0	
90 m-Xylene & p-Xylene	106	8.589	8.589	0.0	99	546813	105.1	
91 o-Xylene	106	9.027	9.021	0.006	93	267017	52.7	
92 Styrene	104	9.045	9.045	0.0	95	449021	54.5	
93 2-Chlorobenzotrifluoride	180	9.301	9.301	0.0	97	249063	0	
95 Bromoform	173	9.325	9.325	0.0	97	84183	50.8	
94 Isopropylbenzene	105	9.386	9.386	0.0	94	679458	52.5	
96 Cyclohexanone	55	9.587	9.581	0.006	90	334494	0	
97 1,1,2,2-Tetrachloroethane	83	9.757	9.757	0.0	87	178968	56.7	
101 Bromobenzene	156	9.769	9.769	0.0	86	193415	52.0	
98 trans-1,4-Dichloro-2-butene	53	9.800	9.800	0.0	57	233904	294.1	
99 N-Propylbenzene	91	9.800	9.800	0.0	94	786092	86.6	
100 1,2,3-Trichloropropane	110	9.812	9.812	0.0	73	58281	54.2	
103 2-Chlorotoluene	126	9.934	9.928	0.006	98	185118	52.6	
102 1,3,5-Trimethylbenzene	105	9.964	9.964	0.0	94	574007	52.5	
104 3-Chlorotoluene	126	9.988	9.988	0.0	84	209706	0	
105 4-Chlorotoluene	126	10.037	10.037	0.0	95	195591	54.0	
106 tert-Butylbenzene	134	10.280	10.280	0.0	87	143956	53.1	
107 1,2,4-Trimethylbenzene	105	10.335	10.329	0.006	94	574780	53.0	
108 Pentachloroethane	167	10.359	10.359	0.0	81	85011	0	
109 sec-Butylbenzene	105	10.481	10.481	0.0	92	752329	53.9	
110 4-Isopropyltoluene	119	10.603	10.603	0.0	96	695371	54.9	
111 1,3-Dichlorobenzene	146	10.645	10.645	0.0	95	365827	51.7	
114 Dicyclopentadiene	66	10.718	10.718	0.0	96	607523	0	
113 1,4-Dichlorobenzene	146	10.724	10.725	0.0	86	372172	51.3	
112 1,2,3-Trimethylbenzene	105	10.737	10.737	0.0	97	592211	0	
115 n-Butylbenzene	91	10.974	10.974	0.0	93	550665	55.0	
116 1,2-Dichlorobenzene	146	11.065	11.065	0.0	98	352824	52.3	
117 1,2-Dibromo-3-Chloropropane	75	11.740	11.740	0.0	81	31348	58.3	
118 1,3,5-Trichlorobenzene	180	11.862	11.862	0.0	97	277805	0	
119 1,2,4-Trichlorobenzene	180	12.391	12.391	0.0	93	239452	57.7	
120 Hexachlorobutadiene	225	12.483	12.483	0.0	96	124403	56.9	
121 Naphthalene	128	12.623	12.623	0.0	96	647200	58.6	
122 1,2,3-Trichlorobenzene	180	12.842	12.842	0.0	96	216335	59.0	
S 125 1,2-Dichloroethene, Total	1				0		109.2	
S 126 1,3-Dichloropropene, Total	1				0		108.7	
S 124 Xylenes, Total	1				0		157.8	

QC Flag Legend

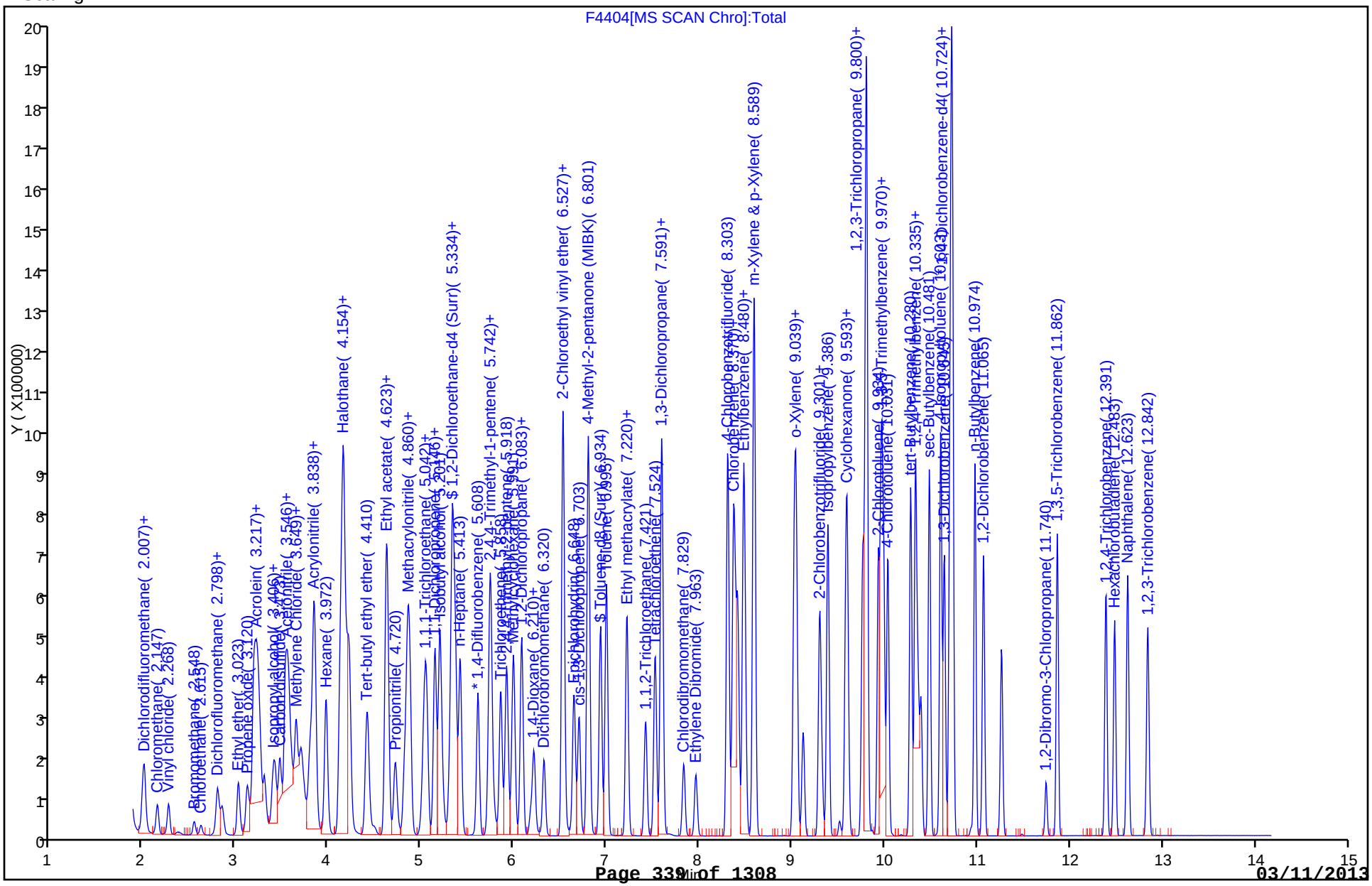
Processing Flags
E - Exceeded Maximum Amount

Report Date: 26-Dec-2012 16:07:19 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973F\20121217-17632.b\F4404.D		
Injection Date:	17-Dec-2012 22:17:30	Limit Group:	MV - 8260MCP_RCP
Client ID:		Instrument ID:	HP5973F
Lims Batch ID:	96268	Lims Sample ID:	6
Operator ID:	CDC	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.: 480-30197-1

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	F4222.D	ZB-624 (60) 0.25(mm)
STD2 480-95189/4 IC		12/11/2012 16:17	1	F4223.D	ZB-624 (60) 0.25(mm)
STD3 480-95189/5 IC		12/11/2012 16:43	1	F4224.D	ZB-624 (60) 0.25(mm)
STD4 480-95189/6 IC		12/11/2012 17:08	1	F4225.D	ZB-624 (60) 0.25(mm)
STD5 480-95189/7 ICIS		12/11/2012 17:34	1	F4226.D	ZB-624 (60) 0.25(mm)
STD6 480-95189/8 IC		12/11/2012 17:59	1	F4227.D	ZB-624 (60) 0.25(mm)
STD7 480-95189/9 IC		12/11/2012 18:24	1	F4228.D	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.: 480-30197-1

SDG No.:

Instrument ID: HP5973F Start Date: 12/16/2012 10:20

Analysis Batch Number: 96032 End Date: 12/16/2012 16:46

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-96032/1		12/16/2012 10:20	1	F4350.D	ZB-624 (60) 0.25(mm)
CCVIS 480-96032/3		12/16/2012 11:10	1	F4352.D	ZB-624 (60) 0.25(mm)
CCV 480-96032/4		12/16/2012 11:36	1	F4353.D	ZB-624 (60) 0.25(mm)
LCS 480-96032/5		12/16/2012 12:35	1	F4354.D	ZB-624 (60) 0.25(mm)
LCSD 480-96032/6		12/16/2012 13:00	1	F4355.D	ZB-624 (60) 0.25(mm)
MB 480-96032/7		12/16/2012 13:26	1	F4356.D	ZB-624 (60) 0.25(mm)
480-30197-4	OC-SB-520-0.0/1.0-XXX	12/16/2012 14:11	1	F4357.D	ZB-624 (60) 0.25(mm)
480-30197-5	OC-SB-520-8.0/10-XXX	12/16/2012 14:37	1	F4358.D	ZB-624 (60) 0.25(mm)
ZZZZZ		12/16/2012 15:29	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/16/2012 15:54	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/16/2012 16:20	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/16/2012 16:46	1		ZB-624 (60) 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-30197-1

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.: 480-30197-1

SDG No.:

Instrument ID: HP5973F Start Date: 12/17/2012 20:24

Analysis Batch Number: 96268 End Date: 12/17/2012 23:49

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-96268/2		12/17/2012 20:24	1	F4400.D	ZB-624 (60) 0.25(mm)
CCVIS 480-96268/3		12/17/2012 20:50	1	F4401.D	ZB-624 (60) 0.25(mm)
CCV 480-96268/4		12/17/2012 21:26	1	F4402.D	ZB-624 (60) 0.25(mm)
LCS 480-96268/5		12/17/2012 21:51	1	F4403.D	ZB-624 (60) 0.25(mm)
LCSD 480-96268/6		12/17/2012 22:17	1	F4404.D	ZB-624 (60) 0.25(mm)
MB 480-96268/8		12/17/2012 23:08	1	F4406.D	ZB-624 (60) 0.25(mm)
480-30197-6	OC-SB-520-18/20-XXX	12/17/2012 23:49	1	F4407.D	ZB-624 (60) 0.25(mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-30197-1

SDG No.:

Batch Number: 96053 Batch Start Date: 12/16/12 12:49 Batch Analyst: Byrnes, Jennifer M

Batch Method: 5035 Batch End Date: 12/16/12 22:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	TareWeight	Vial&SampleWt	InitialAmount	FinalAmount		
480-30197-E-4	OC-SB-520-0.0/1.0-XXX	5035, 8260C	T	29.79 g	36.03 g	6.24 g	5 mL		
480-30197-E-5	OC-SB-520-8.0/10-XXX	5035, 8260C	T	29.70 g	35.27 g	5.57 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.

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-30197-1

SDG No.:

Batch Number: 96264 Batch Start Date: 12/17/12 22:18 Batch Analyst: Cwiklinski, Charles D

Batch Method: 5035 Batch End Date: 12/17/12 23:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	TareWeight	Vial&SampleWt	InitialAmount	FinalAmount		
480-30197-D-6	OC-SB-520-18/20-XXX	5035, 8260C	T	29.74 g	35.98 g	6.24 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.: 480-30197-1

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-520-0.0/1.0-XXX	480-30197-4	59		56		70		83		89		70	
OC-SB-520-8.0/10-XXX	480-30197-5	67		73		70		84		113		93	
OC-SB-520-18/20-XXX	480-30197-6	76		80		91		90		95		87	
OC-SB-522-0.0/1.0-XXX	480-30197-7	71		66		70		87		94		71	
OC-SB-522-8.0/10-XXX	480-30197-8	0	X	0	X	0	X	0	X	0	X	0	X
OC-SB-522-13/15-XXX	480-30197-9	81		66		80		82		43		71	
	MB 480-96302/1-A	78		71		50		77		77		97	
	LCS 480-96302/2-A	72		68		68		82		75		96	
	LCSD 480-96302/3-A	75		76		80		87		85		107	

	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.: 480-30197-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: X3170.D

Lab ID: LCS 480-96302/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Bis(2-ethylhexyl) phthalate	65.6	ND	86	40-140	
2,4,5-Trichlorophenol	65.6	60.3	92	30-130	
Aniline	65.6	32.4 J	49	40-140	
Hexachloroethane	65.6	46.1	70	40-140	
Dimethyl phthalate	65.6	49.6	76	40-140	
2,4-Dimethylphenol	65.6	41.5	63	30-130	
Isophorone	65.6	50.7	77	40-140	
Fluorene	65.6	46.6	71	40-140	
Dibenzofuran	65.6	49.9	76	40-140	
Acenaphthylene	65.6	49.6	76	40-140	
2,4-Dichlorophenol	65.6	49.9	76	30-130	
Benzo[g,h,i]perylene	65.6	62.8	96	40-140	
Hexachlorobenzene	65.6	57.2	87	40-140	
Di-n-octyl phthalate	65.6	50.6	77	40-140	
Hexachlorobutadiene	65.6	50.5	77	40-140	
Phenanthrene	65.6	53.5	82	40-140	
2-Nitrophenol	65.6	35.9	55	30-130	
Benzo[k]fluoranthene	65.6	52.1	79	40-140	
2,4-Dinitrophenol	65.6	ND	11	30-130	*
Anthracene	65.6	50.7	77	40-140	
2-Methylnaphthalene	65.6	52.5	80	40-140	
Di-n-butyl phthalate	65.6	54.8 J	84	40-140	
1,2,4-Trichlorobenzene	65.6	50.2	77	40-140	
Pyrene	65.6	60.8	93	40-140	
2,4-Dinitrotoluene	65.6	43.3	66	40-140	
Dibenz(a,h)anthracene	65.6	54.5	83	40-140	
1,3-Dichlorobenzene	65.6	45.0	69	40-140	
Nitrobenzene	65.6	47.6	73	40-140	
Naphthalene	65.6	48.9	75	40-140	
2,4,6-Trichlorophenol	65.6	53.9	82	30-130	
Pentachlorophenol	65.6	56.2	86	30-130	
Fluoranthene	65.6	46.2	71	40-140	
3,3'-Dichlorobenzidine	65.6	29.8 J	45	40-140	
4-Bromophenyl phenyl ether	65.6	54.1	82	40-140	
Diethyl phthalate	65.6	51.0	78	40-140	
2-Methylphenol	65.6	44.5	68	30-130	
1,2-Dichlorobenzene	65.6	44.1	67	40-140	
2,2'-oxybis[1-chloropropane]	65.6	46.8	71	40-140	
Bis(2-chloroethyl)ether	65.6	48.4	74	40-140	
Benzo[a]anthracene	65.6	49.5	76	40-140	
Indeno[1,2,3-cd]pyrene	65.6	57.5	88	40-140	
Butyl benzyl phthalate	65.6	54.0	82	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.: 480-30197-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: X3170.D

Lab ID: LCS 480-96302/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Chrysene	65.6	62.4	95	40-140	
Acenaphthene	65.6	49.0	75	40-140	
Benzo[b]fluoranthene	65.6	49.3	75	40-140	
4-Nitrophenol	65.6	ND	0	30-130	*
4-Chloroaniline	65.6	ND	37	40-140	*
2-Chlorophenol	65.6	43.5	66	30-130	
2,6-Dinitrotoluene	65.6	ND	31	40-140	*
Phenol	65.6	46.2	71	30-130	
1,4-Dichlorobenzene	65.6	45.1	69	40-140	
Bis(2-chloroethoxy)methane	65.6	43.3	66	40-140	
2-Chloronaphthalene	65.6	31.5 J	48	40-140	
N-Nitrosodi-n-propylamine	65.6	45.3	69		
4-Chlorophenyl phenyl ether	65.6	47.8	73		
4-Chloro-3-methylphenol	65.6	52.6 J	80		
Benzo[a]pyrene	65.6	51.3	78	40-140	
4-Methylphenol	65.6	48.7	74		
4-Nitroaniline	65.6	48.3 J	74		
2-Nitroaniline	65.6	54.4 J	83		
4,6-Dinitro-2-methylphenol	65.6	55.7 J	85		
N-Nitrosodiphenylamine	65.6	24.5 J	37		
Azobenzene	65.6	62.2	95	40-140	
Hexachlorocyclopentadiene	65.6	35.3 J	54		
3-Nitroaniline	65.6	35.7 J	54		
N-Nitrosodimethylamine	65.6	31.1 J	47		
Benzyl alcohol	65.6	ND	3		
Benzoic acid	65.6	70.6 J	108		

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.: 480-30197-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: X3171.D

Lab ID: LCSD 480-96302/3-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	66.2	ND	99	15	30	40-140	
2,4,5-Trichlorophenol	66.2	62.7	95	4	30	30-130	
Aniline	66.2	43.4	66	29	30	40-140	
Hexachloroethane	66.2	53.3	81	15	30	40-140	
Dimethyl phthalate	66.2	53.9	81	8	30	40-140	
2,4-Dimethylphenol	66.2	65.6	99	45	30	30-130	*
Isophorone	66.2	59.3	90	16	30	40-140	
Fluorene	66.2	55.0	83	17	30	40-140	
Dibenzofuran	66.2	58.2	88	15	30	40-140	
Acenaphthylene	66.2	61.9	93	22	30	40-140	
2,4-Dichlorophenol	66.2	56.0	85	12	30	30-130	
Benzo[g,h,i]perylene	66.2	67.3	102	7	30	40-140	
Hexachlorobenzene	66.2	67.7	102	17	30	40-140	
Di-n-octyl phthalate	66.2	57.6	87	13	30	40-140	
Hexachlorobutadiene	66.2	61.3	93	19	30	40-140	
Phenanthrene	66.2	56.2	85	5	30	40-140	
2-Nitrophenol	66.2	50.8	77	35	30	30-130	*
Benzo[k]fluoranthene	66.2	59.8	90	14	30	40-140	
2,4-Dinitrophenol	66.2	ND	0	200	30	30-130	*
Anthracene	66.2	57.2	86	12	30	40-140	
2-Methylnaphthalene	66.2	60.1	91	13	30	40-140	
Di-n-butyl phthalate	66.2	60.7 J	92	10	30	40-140	
1,2,4-Trichlorobenzene	66.2	53.3	81	6	30	40-140	
Pyrene	66.2	70.6	107	15	30	40-140	
2,4-Dinitrotoluene	66.2	42.0	63	3	30	40-140	
Dibenz(a,h)anthracene	66.2	64.0	97	16	30	40-140	
1,3-Dichlorobenzene	66.2	51.6	78	14	30	40-140	
Nitrobenzene	66.2	50.1	76	5	30	40-140	
Naphthalene	66.2	54.4	82	11	30	40-140	
2,4,6-Trichlorophenol	66.2	54.9	83	2	30	30-130	
Pentachlorophenol	66.2	60.2	91	7	30	30-130	
Fluoranthene	66.2	50.6	76	9	30	40-140	
3,3'-Dichlorobenzidine	66.2	38.1 J	58	25	30	40-140	
4-Bromophenyl phenyl ether	66.2	61.2	92	12	30	40-140	
Diethyl phthalate	66.2	54.6	82	7	30	40-140	
2-Methylphenol	66.2	51.2	77	14	30	30-130	
1,2-Dichlorobenzene	66.2	52.7	80	18	30	40-140	
2,2'-oxybis[1-chloropropane]	66.2	53.5	81	13	30	40-140	
Bis(2-chloroethyl)ether	66.2	58.7	89	19	30	40-140	
Benzo[a]anthracene	66.2	54.1	82	9	30	40-140	
Indeno[1,2,3-cd]pyrene	66.2	67.0	101	15	30	40-140	
Butyl benzyl phthalate	66.2	63.7	96	16	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.: 480-30197-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: X3171.D

Lab ID: LCSD 480-96302/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Chrysene	66.2	67.3	102	8	30	40-140	
Acenaphthene	66.2	51.6	78	5	30	40-140	
Benzo[b]fluoranthene	66.2	60.1	91	20	30	40-140	
4-Nitrophenol	66.2	ND	0	NC	30	30-130	*
4-Chloroaniline	66.2	34.4 J	52	33	30	40-140	*
2-Chlorophenol	66.2	58.6	89	30	30	30-130	
2,6-Dinitrotoluene	66.2	ND	33	9	30	40-140	*
Phenol	66.2	56.6	85	20	30	30-130	
1,4-Dichlorobenzene	66.2	51.9	78	14	30	40-140	
Bis(2-chloroethoxy)methane	66.2	53.8	81	22	30	40-140	
2-Chloronaphthalene	66.2	37.8	57	18	30	40-140	
N-Nitrosodi-n-propylamine	66.2	48.2	73	6			
4-Chlorophenyl phenyl ether	66.2	54.6	82	13			
4-Chloro-3-methylphenol	66.2	61.1 J	92	15			
Benzo[a]pyrene	66.2	56.2	85	9	30	40-140	
4-Methylphenol	66.2	72.8	110	40			
4-Nitroaniline	66.2	57.4 J	87	17			
2-Nitroaniline	66.2	55.7 J	84	2			
4,6-Dinitro-2-methylphenol	66.2	59.1 J	89	6			
N-Nitrosodiphenylamine	66.2	25.6 J	39	4			
Azobenzene	66.2	66.0	100	6	30	40-140	
Hexachlorocyclopentadiene	66.2	44.6 J	67	23			
3-Nitroaniline	66.2	39.1 J	59	9			
N-Nitrosodimethylamine	66.2	44.1	67	35			
Benzyl alcohol	66.2	ND	0	200			
Benzoic acid	66.2	76.1 J	115	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.: 480-30197-1

SDG No.:

Lab File ID: X3169.D Lab Sample ID: MB 480-96302/1-A

Matrix: Solid Date Extracted: 12/18/2012 08:12

Instrument ID: HP5973X Date Analyzed: 12/19/2012 17:13

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-96302/2-A	X3170.D	12/19/2012 17:38
	LCSD 480-96302/3-A	X3171.D	12/19/2012 18:04
OC-SB-520-0.0/1.0-XXX	480-30197-4	X3195.D	12/20/2012 12:17
OC-SB-520-8.0/10-XXX	480-30197-5	X3196.D	12/20/2012 12:43
OC-SB-520-18/20-XXX	480-30197-6	X3197.D	12/20/2012 13:08
OC-SB-522-0.0/1.0-XXX	480-30197-7	X3198.D	12/20/2012 13:34
OC-SB-522-13/15-XXX	480-30197-9	X3200.D	12/20/2012 14:26
OC-SB-522-8.0/10-XXX	480-30197-8	X3223.D	12/21/2012 10:38

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Buffalo Job No.: 480-30197-1

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.: 480-30197-1

SDG No.:

Lab File ID: X3154.D DFTPP Injection Date: 12/19/2012

Instrument ID: HP5973X DFTPP Injection Time: 11:00

Analysis Batch No.: 96568

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	59.1	
68	Less than 2.0 % of mass 69	0.2	(0.5)1
69	Mass 69 relative abundance	50.9	
70	Less than 2.0 % of mass 69	0.4	(0.7)1
127	40.0 - 60.0 % of mass 198	59.6	
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	7.1	
275	10.0 - 30.0 % of mass 198	26.8	
365	Greater than 1.0 % of mass 198	3.7	
441	Present but less than mass 443	12.6	(75.1)3
442	Greater than 40.0 % of mass 198	85.3	
443	17.0 - 23.0 % of mass 442	16.8	(19.7)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 480-96568/2	X3155.D	12/19/2012	11:16
	MB 480-96302/1-A	X3169.D	12/19/2012	17:13
	LCS 480-96302/2-A	X3170.D	12/19/2012	17:38
	LCSD 480-96302/3-A	X3171.D	12/19/2012	18:04

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Buffalo Job No.: 480-30197-1

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
OC-SB-520-0.0/1.0-XXX	480-30197-4	X3195.D	12/20/2012	12:17
OC-SB-520-8.0/10-XXX	480-30197-5	X3196.D	12/20/2012	12:43
OC-SB-520-18/20-XXX	480-30197-6	X3197.D	12/20/2012	13:08
OC-SB-522-0.0/1.0-XXX	480-30197-7	X3198.D	12/20/2012	13:34
OC-SB-522-13/15-XXX	480-30197-9	X3200.D	12/20/2012	14:26

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Buffalo Job No.: 480-30197-1

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-522-8.0/10-XXX	480-30197-8	X3223.D	12/21/2012	10:38

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

Lab Name: TestAmerica Buffalo Job No.: 480-30197-1

SDG No.:

Sample No.: ICIS 480-96347/6 Date Analyzed: 12/18/2012 13:01

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): X3135.D Heated Purge: (Y/N) N

Calibration ID: 11641

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		239006	6.58	899352	8.47	580354	11.11
UPPER LIMIT		478012	7.08	1798704	8.97	1160708	11.61
LOWER LIMIT		119503	6.08	449676	7.97	290177	10.61
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 480-96568/2		274599	6.55	1016907	8.48	649393	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.: 480-30197-1

SDG No.:

Sample No.: ICIS 480-96347/6 Date Analyzed: 12/18/2012 13:01

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): X3135.D Heated Purge: (Y/N) N

Calibration ID: 11641

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		999064	13.12	870912	15.76	874986	17.03
UPPER LIMIT		1998128	13.62	1741824	16.26	1749972	17.53
LOWER LIMIT		499532	12.62	435456	15.26	437493	16.53
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 480-96568/2		1154507	13.10	968241	15.75	926885	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.: 480-30197-1

SDG No.:

Sample No.: CCVIS 480-96568/2 Date Analyzed: 12/19/2012 11:16

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): X3155.D Heated Purge: (Y/N) N

Calibration ID: 11641

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		274599	6.55	1016907	8.48	649393	11.11
UPPER LIMIT		549198	7.05	2033814	8.98	1298786	11.61
LOWER LIMIT		137300	6.05	508454	7.98	324697	10.61
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 480-96302/1-A		253504	6.56	938206	8.45	566202	11.10
LCS 480-96302/2-A		275259	6.56	1002018	8.45	591190	11.09
LCSD 480-96302/3-A		265437	6.56	991521	8.45	607829	11.09

DCB = 1,4-Dichlorobenzene-d4
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.: 480-30197-1

SDG No.:

Sample No.: CCVIS 480-96568/2 Date Analyzed: 12/19/2012 11:16

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): X3155.D Heated Purge: (Y/N) N

Calibration ID: 11641

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		1154507	13.10	968241	15.75	926885	17.04
UPPER LIMIT		2309014	13.60	1936482	16.25	1853770	17.54
LOWER LIMIT		577254	12.60	484121	15.25	463443	16.54
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 480-96302/1-A		814600	13.11	553136	15.76	516163	17.04
LCS 480-96302/2-A		889842	13.10	568208	15.74	559649	17.03
LCSD 480-96302/3-A		972265	13.10	583689	15.75	494097	17.03

PHN = Phenanthrene-d10
PHN = Phenanthrene-d10
CRY = Chrysene-d12
CRY = Chrysene-d12
Area Limit = 50%-200% of internal standard area
PRY = Perylene-d12
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.: 480-30197-1

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						
480-30197-4	OC-SB-520-0.0/1.0-XXX	230223	6.55	814859	8.44	488674	11.08
480-30197-5	OC-SB-520-8.0/10-XXX	225428	6.55	832724	8.44	505845	11.10
480-30197-6	OC-SB-520-18/20-XXX	220877	6.55	778105	8.44	494081	11.10
480-30197-7	OC-SB-522-0.0/1.0-XXX	214512	6.56	756183	8.44	453084	11.09
480-30197-9	OC-SB-522-13/15-XXX	218655	6.55	787252	8.44	439702	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.: 480-30197-1

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						
480-30197-4	OC-SB-520-0.0/1.0-XXX	635987	13.09	555911	15.73	531258	17.01
480-30197-5	OC-SB-520-8.0/10-XXX	679401	13.11	459960	15.75	541090	17.02
480-30197-6	OC-SB-520-18/20-XXX	668363	13.12	478719	15.75	552012	17.03
480-30197-7	OC-SB-522-0.0/1.0-XXX	607198	13.10	510116	15.73	523706	17.01
480-30197-9	OC-SB-522-13/15-XXX	655342	13.11	519992	15.75	535162	17.03

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.: 480-30197-1

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						
480-30197-8	OC-SB-522-8.0/10-XXX	139522	6.58	499090	8.48	268226	11.13

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.: 480-30197-1

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						
480-30197-8	OC-SB-522-8.0/10-XXX	612469	13.13	510653	15.76	500334	17.05

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.: 480-30197-1

SDG No.:

Client Sample ID: OC-SB-520-0.0/1.0-XXX | Lab Sample ID: 480-30197-4

Matrix: Solid | Lab File ID: X3195.D

Analysis Method: 8270D | Date Collected: 12/13/2012 08:10

Extract. Method: 3546 | Date Extracted: 12/18/2012 08:12

Sample wt/vol: 000030.4(g) | Date Analyzed: 12/20/2012 12:17

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 16.3 | 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	97	J	200	79
95-95-4	2,4,5-Trichlorophenol	ND		39	13
62-53-3	Aniline	ND		39	12
67-72-1	Hexachloroethane	ND		39	12
131-11-3	Dimethyl phthalate	ND		39	12
105-67-9	2,4-Dimethylphenol	ND	*	39	12
78-59-1	Isophorone	ND		39	12
86-73-7	Fluorene	160		39	12
132-64-9	Dibenzofuran	130		39	12
208-96-8	Acenaphthylene	ND		39	12
120-83-2	2,4-Dichlorophenol	ND		39	12
191-24-2	Benzo[g,h,i]perylene	140		39	12
118-74-1	Hexachlorobenzene	ND		39	12
117-84-0	Di-n-octyl phthalate	ND		39	12
87-68-3	Hexachlorobutadiene	ND		39	12
85-01-8	Phenanthrene	1100	E	39	12
88-75-5	2-Nitrophenol	ND	*	39	15
207-08-9	Benzo[k]fluoranthene	190		39	20
51-28-5	2,4-Dinitrophenol	ND	*	39	32
120-12-7	Anthracene	290		39	12
91-57-6	2-Methylnaphthalene	80		39	12
84-74-2	Di-n-butyl phthalate	ND		200	59
120-82-1	1,2,4-Trichlorobenzene	ND		39	12
129-00-0	Pyrene	690		39	12
121-14-2	2,4-Dinitrotoluene	ND		39	12
53-70-3	Dibenz(a,h)anthracene	ND		39	12
541-73-1	1,3-Dichlorobenzene	ND		39	12
98-95-3	Nitrobenzene	ND		39	12
91-20-3	Naphthalene	200		39	12
88-06-2	2,4,6-Trichlorophenol	ND		39	17
87-86-5	Pentachlorophenol	ND		39	12
206-44-0	Fluoranthene	860	E	39	12
91-94-1	3,3'-Dichlorobenzidine	ND		79	14
101-55-3	4-Bromophenyl phenyl ether	ND		39	12

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30197-1

SDG No.:

Client Sample ID: OC-SB-520-0.0/1.0-XXX | Lab Sample ID: 480-30197-4

Matrix: Solid | Lab File ID: X3195.D

Analysis Method: 8270D | Date Collected: 12/13/2012 08:10

Extract. Method: 3546 | Date Extracted: 12/18/2012 08:12

Sample wt/vol: 000030.4(g) | Date Analyzed: 12/20/2012 12:17

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 16.3 | 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		39	13
95-48-7	2-Methylphenol	ND		39	12
95-50-1	1,2-Dichlorobenzene	ND		39	12
108-60-1	2,2'-oxybis[1-chloropropane]	ND		39	12
98-86-2	Acetophenone	ND		39	12
111-44-4	Bis(2-chloroethyl)ether	ND		39	12
56-55-3	Benzo[a]anthracene	430		39	12
193-39-5	Indeno[1,2,3-cd]pyrene	130		39	12
85-68-7	Butyl benzyl phthalate	ND		39	12
218-01-9	Chrysene	340		39	12
83-32-9	Acenaphthene	100		39	12
205-99-2	Benzo[b]fluoranthene	460		39	12
100-02-7	4-Nitrophenol	ND	*	200	17
106-47-8	4-Chloroaniline	ND	*	79	35
95-57-8	2-Chlorophenol	ND		39	12
606-20-2	2,6-Dinitrotoluene	ND	*	39	33
108-95-2	Phenol	ND		39	12
15831-10-4	3 & 4 Methylphenol	ND		39	12
106-46-7	1,4-Dichlorobenzene	ND		39	12
111-91-1	Bis(2-chloroethoxy)methane	ND		39	12
91-58-7	2-Chloronaphthalene	ND		39	12
621-64-7	N-Nitrosodi-n-propylamine	ND		39	12
7005-72-3	4-Chlorophenyl phenyl ether	ND		39	12
59-50-7	4-Chloro-3-methylphenol	ND		79	12
50-32-8	Benzo[a]pyrene	360		39	12
106-44-5	4-Methylphenol	ND		39	12
100-01-6	4-Nitroaniline	ND		200	33
88-74-4	2-Nitroaniline	ND		200	50
105-60-2	Caprolactam	ND		39	12
86-74-8	Carbazole	96		39	12
534-52-1	4,6-Dinitro-2-methylphenol	ND		200	38
90-12-0	1-Methylnaphthalene	55		39	12
86-30-6	N-Nitrosodiphenylamine	ND		39	12
1912-24-9	Atrazine	ND		39	12

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30197-1

SDG No.:

Client Sample ID: OC-SB-520-0.0/1.0-XXX | Lab Sample ID: 480-30197-4

Matrix: Solid | Lab File ID: X3195.D

Analysis Method: 8270D | Date Collected: 12/13/2012 08:10

Extract. Method: 3546 | Date Extracted: 12/18/2012 08:12

Sample wt/vol: 000030.4(g) | Date Analyzed: 12/20/2012 12:17

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 16.3 | 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		39	12
100-52-7	Benzaldehyde	13	J	39	12
103-33-3	Azobenzene	ND		39	12
77-47-4	Hexachlorocyclopentadiene	ND		79	12
99-09-2	3-Nitroaniline	ND		200	12
62-75-9	N-Nitrosodimethylamine	ND		39	12
100-51-6	Benzyl alcohol	ND		79	12
92-52-4	1,1'-Biphenyl	24	J	39	12
58-90-2	2,3,4,6-Tetrachlorophenol	ND		39	12
119-61-9	Benzophenone	ND		39	12
65-85-0	Benzoic acid	ND		200	18
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		39	12

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	89		30-130
367-12-4	2-Fluorophenol	59		30-130
4165-60-0	Nitrobenzene-d5	70		30-130
4165-62-2	Phenol-d5	56		30-130
321-60-8	2-Fluorobiphenyl	83		30-130
1718-51-0	p-Terphenyl-d14	70		30-130

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

Lab Name: TestAmerica Buffalo Job No.: 480-30197-1

SDG No.:

Client Sample ID: OC-SB-520-0.0/1.0-XXX Lab Sample ID: 480-30197-4

Matrix: Solid Lab File ID: X3195.D

Analysis Method: 8270D Date Collected: 12/13/2012 08:10

Extract. Method: 3546 Date Extracted: 12/18/2012 08:12

Sample wt/vol: 000030.4(g) Date Analyzed: 12/20/2012 12:17

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

Injection Volume: 1(uL) Level: (low/med) Low

% Moisture: 16.3 GPC Cleanup:(Y/N) N

Analysis Batch No.: 96803 Units: ug/Kg

Number TICs Found: 10 TIC Result Total: 9290

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	4.18	3900	T J
57-10-3	n-Hexadecanoic acid	13.77	340	T J N
7796-19-2	2-Heptacosanone	16.75	340	T J N
192-97-2	Benzo[e]pyrene	16.91	350	T J N
26603-23-6	p,p'-Dioctyldiphenylamine	16.99	1500	T J N
7225-64-1	Heptadecane, 9-octyl-	17.28	710	T J N
	Unknown	17.44	350	T J
14021-23-9	D-Friedoolean-14-ene, 3-methoxy-, (3.bet	18.14	290	T J N
	Unknown	18.25	740	T J
	Unknown	18.48	770	T J

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3195.D		
Lims ID:	480-30197-A-4-A	Client ID:	OC-SB-520-0.0/1.0-XXX
Inject. Date:	20-Dec-2012 12:17:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-0017736-006		
Misc. Info.:			
Operator:	ANM	Instrument ID:	HP5973X
Injection Vol:	1.0 ul	ALS Bottle#:	7
Lims Batch ID:	96803	Lims Sample ID:	6
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X-8270LL.m		
Last Update:	09-Mar-2013 09:54:09	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 13:10:30

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.546	6.570	-0.024	82	230223	5.00	
* 2 Naphthalene-d8	136	8.439	8.439	0.0	97	814859	5.00	
* 3 Acenaphthene-d10	164	11.078	11.064	0.014	88	488674	5.00	
* 4 Phenanthrene-d10	188	13.090	13.080	0.010	96	635987	5.00	
* 5 Chrysene-d12	240	15.734	15.734	0.0	97	555911	5.00	
* 6 Perylene-d12	264	17.013	17.013	0.0	94	531258	5.00	
$ 7 2-Fluorophenol	112	4.668	4.682	-0.014	56	61657	1.18	
$ 8 Phenol-d5	99	6.094	6.090	0.004	79	71212	1.12	
$ 9 Nitrobenzene-d5	82	7.383	7.393	-0.010	70	85081	1.39	M
$ 10 2-Fluorobiphenyl	172	10.094	10.075	0.019	93	202822	1.65	
$ 11 2,4,6-Tribromophenol	330	12.253	12.229	0.024	22	20825	1.78	
$ 12 p-Terphenyl-d14	244	14.769	14.759	0.010	93	150033	1.40	
19 N-Nitrosodimethylamine	42	2.751	2.766	-0.015	16	1479	0.0352	
21 Benzaldehyde	77	5.928	5.938	-0.010	68	15049	0.3335	
23 Aniline	93	6.128	6.104	0.024	15	623	0.007391	
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					
33 Acetophenone	105	7.179	7.174	0.005	64	3370	0.0395	
35 DFTPP								
34 N-Nitrosodi-n-propylamine	70		7.183					14
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					
41 2-Nitrophenol	139	7.845	7.892	-0.047	1	185	0.006410	
43 2,4-Dimethylphenol	107		8.001					
45 Bis(2-chloroethoxy)methane	93	8.135	8.125	0.010	1	390	0.006313	
44 Benzoic acid	105		8.177					
47 2,4-Dichlorophenol	162		8.277					9
48 1,2,4-Trichlorobenzene	180		8.363					
49 Naphthalene	128	8.472	8.472	0.0	91	928192	5.14	
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	9.528	9.509	0.019	83	257649	2.04	
57 1-Methylnaphthalene	142	9.666	9.656	0.010	93	162823	1.40	
58 Hexachlorocyclopentadiene	237		9.742					9
60 2,4,6-Trichlorophenol	196		9.970					149
61 2,4,5-Trichlorophenol	196		10.056					19
62 1,1'-Biphenyl	154	10.237	10.218	0.019	91	87411	0.6187	
63 2-Chloronaphthalene	162		10.265					
64 Phenyl ether	170	10.403	10.384	0.019	1	5444	0.0709	
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	11.074	11.069	0.005	91	941	0.0331	
71 Acenaphthene	153	11.131	11.112	0.019	90	301629	2.53	
72 2,4-Dinitrophenol	184		11.240					
73 Dibenzofuran	168	11.402	11.378	0.024	98	489867	3.37	
74 2,4-Dinitrotoluene	165	11.444	11.416	0.028	1	1257	0.0344	
75 4-Nitrophenol	109		11.454					
76 2,3,4,6-Tetrachlorophenol	232		11.597					
78 Diethyl phthalate	149		11.777					
79 Fluorene	166	11.901	11.882	0.019	91	537582	4.05	
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	12.082	12.077	0.005	33	6153	0.0416	
85 Azobenzene	77	12.144	12.120	0.024	1	3571	0.0374	
16 1,2-Diphenylhydrazine	77	12.144	12.120	0.024	1	3571	0.0374	
86 Benzophenone	105		12.144					
89 4-Bromophenyl phenyl ether	248		12.548					
91 Hexachlorobenzene	284		12.610					9
93 Atrazine	200		12.800					9
94 Pentachlorophenol	266		12.885					9
97 Phenanthrene	178	13.123	13.109	0.014	95	3960026	27.9	E
98 Anthracene	178	13.185	13.171	0.014	95	1053544	7.30	
99 Carbazole	167	13.394	13.380	0.014	98	325994	2.44	
102 Di-n-butyl phthalate	149		13.765					
104 Fluoranthene	202	14.398	14.388	0.010	97	3078311	21.9	E
106 Pyrene	202	14.616	14.607	0.009	96	2601040	17.5	
108 Butyl benzyl phthalate	149		15.211					
109 3,3'-Dichlorobenzidine	252		15.705					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
110 Bis(2-ethylhexyl) phthalate	149	15.715	15.710	0.005	94	279722	2.47	
111 Benzo[a]anthracene	228	15.729	15.720	0.009	97	1307519	10.9	
112 Chrysene	228	15.758	15.753	0.005	93	1176500	8.66	
113 Di-n-octyl phthalate	149		16.248					
114 Benzo[b]fluoranthene	252	16.661	16.657	0.004	93	1430634	11.6	
115 Benzo[k]fluoranthene	252	16.676	16.680	-0.004	99	629463	4.95	
116 Benzo[a]pyrene	252	16.961	16.961	0.0	75	1103264	9.25	
117 Indeno[1,2,3-cd]pyrene	276	18.107	18.107	0.0	97	433037	3.40	
118 Dibenz(a,h)anthracene	278		18.107					
119 Benzo[g,h,i]perylene	276	18.416	18.421	-0.005	90	374409	3.52	
S 120 3 & 4 Methylphenol	108		0.000					
59 1,2,4,5-Tetrachlorobenzene	216		9.761					

QC Flag Legend

Processing Flags
1 - Missing Peaks
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\X3195.D		
Lims ID:	480-30197-A-4-A	Client ID:	OC-SB-520-0.0/1.0-XXX
Inject. Date:	20-Dec-2012 12:17:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-0017736-006		
Misc. Info.:			
Operator:	ANM	Instrument ID:	HP5973X
Injection Vol:	1.0 ul	ALS Bottle#:	7
Lims Batch ID:	96803	Lims Sample ID:	6
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X-8270LL.m		
Last Update:	09-Mar-2013 09:54:09	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 13:10:30

Tentative Identified Compound Results

RT	Response	Amount ng/uL	Quant Cpnd	Qual	Lib Entry	Flags
		Unknown				
4.183	31177982	99.7	1			
57-10-3		n-Hexadecanoic acid				
13.765	2985075	8.59	4	94	114901	
7796-19-2		2-Heptacosanone				
16.747	1924603	8.69	6	86	19603	
192-97-2		Benzo[e]pyrene				
16.913	1966266	8.88	6	93	127650	
26603-23-6		p,p'-Dioctyldiphenylamine				
16.985	8465534	38.2	6	93	101420	
7225-64-1		Heptadecane, 9-octyl-				
17.280	3987826	18.0	6	94	16434	
		Unknown				
17.437	1998057	9.02	6			
14021-23-9		D-Friedoolean-14-ene, 3-methoxy-, (3.bet				
18.140	1630072	7.36	6	94	126358	
		Unknown				
18.250	4195083	18.9	6			
		Unknown				
18.483	4313893	19.5	6			

Quantitation Compounds

Compound	RT	Response	Amount ng/uL

Report Date: 09-Mar-2013 09:54:10 Chrom Revision: 2.0 01-Feb-2013 10:03:10
Data File: \\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3195.D

Compound	RT	Response	Amount ng/uL
* 1 1,4-Dichlorobenzene-d4	6.546	1563648	5.00
* 4 Phenanthrene-d10	13.090	1738373	5.00
* 6 Perylene-d12	17.013	1107571	5.00

QC Flag Legend

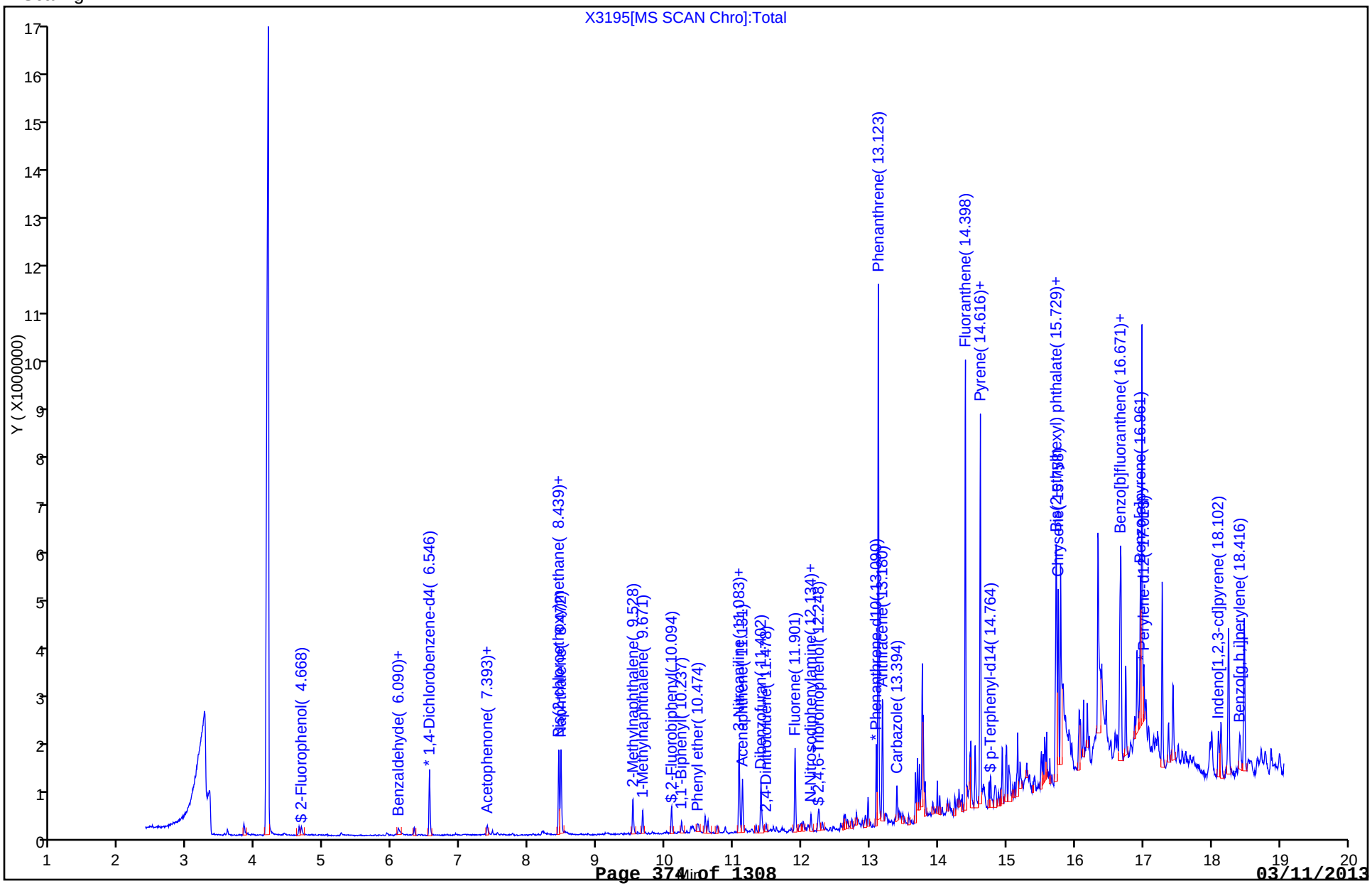
Processing Flags

Report Date: 09-Mar-2013 09:54:10 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3195.D		
Injection Date:	20-Dec-2012 12:17:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-520-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	6
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:

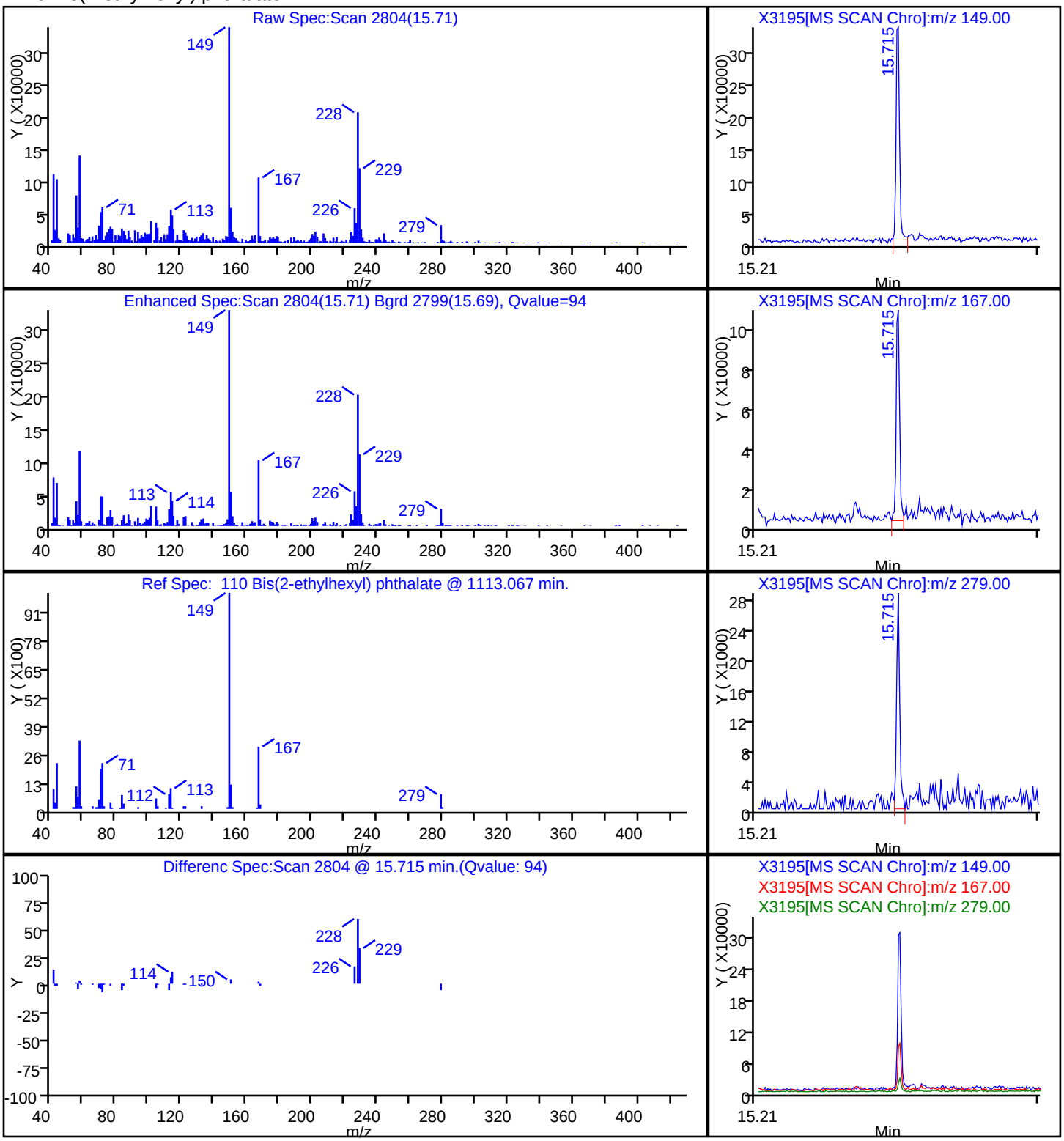


Report Date: 09-Mar-2013 09:54:12 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3195.D		
Injection Date:	20-Dec-2012 12:17:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-520-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	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

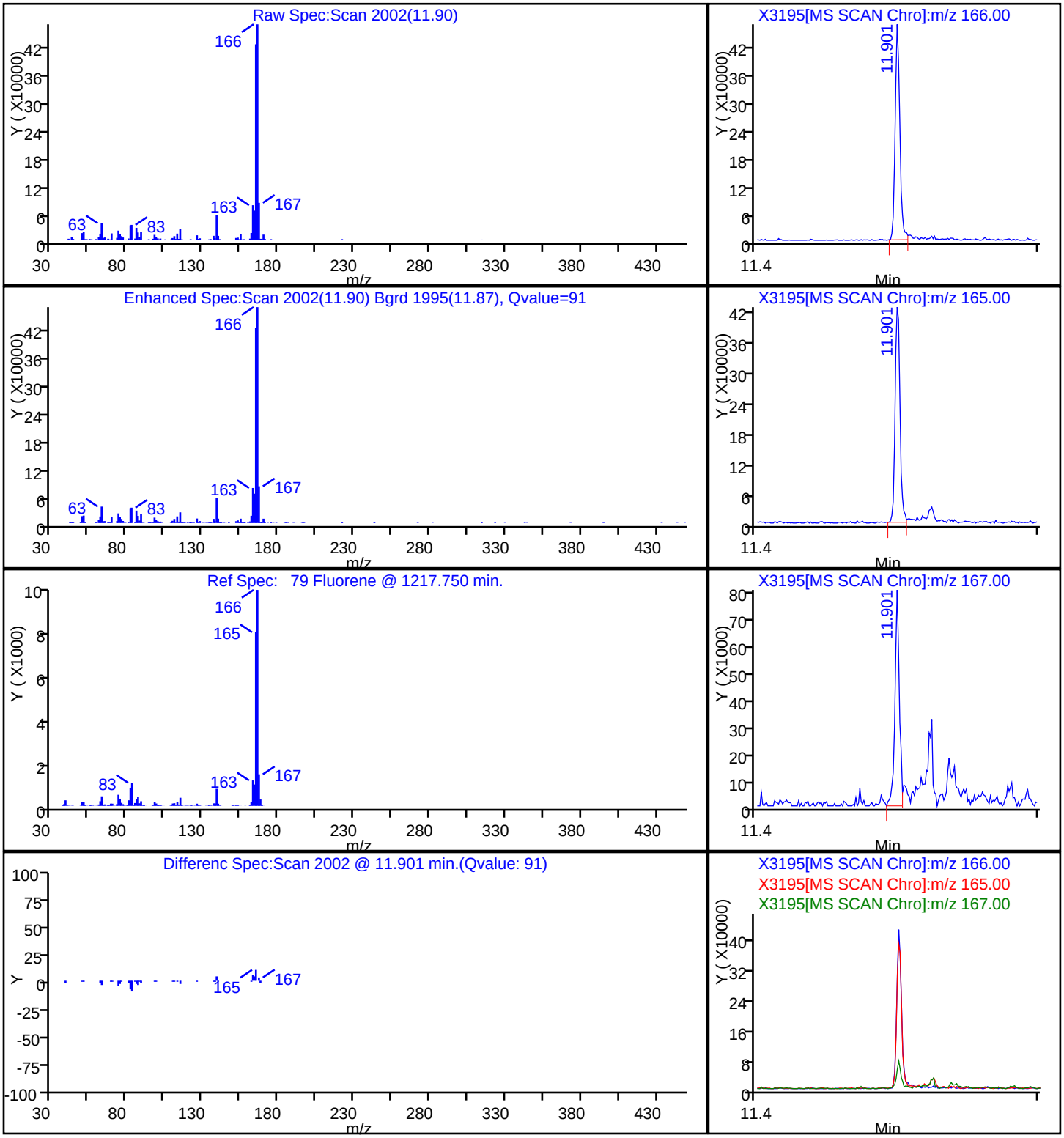


Report Date: 09-Mar-2013 09:54:11 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3195.D		
Injection Date:	20-Dec-2012 12:17:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-520-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	6
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

79 Fluorene

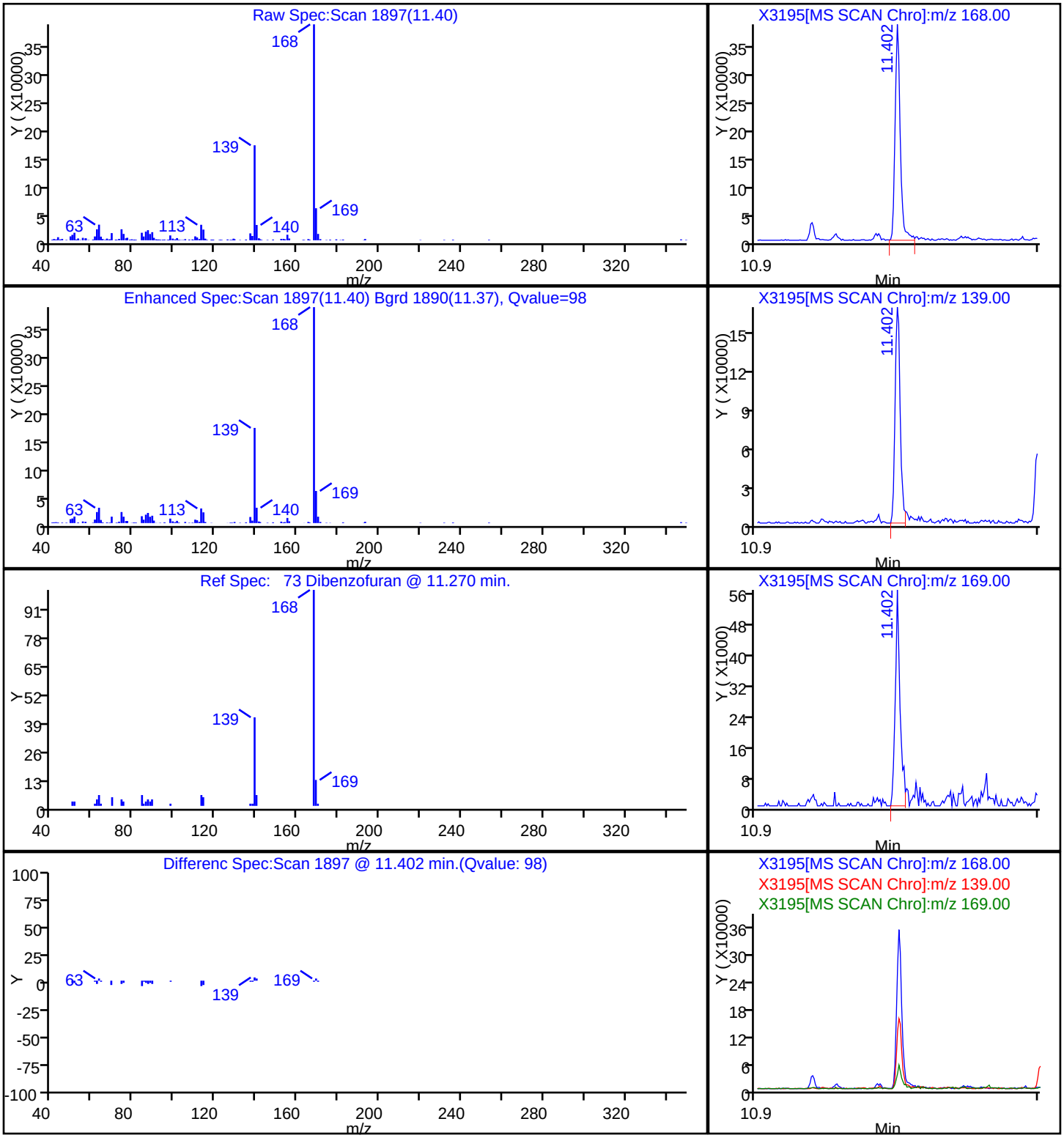


Report Date: 09-Mar-2013 09:54:10 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3195.D		
Injection Date:	20-Dec-2012 12:17:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-520-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	6
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

73 Dibenzofuran

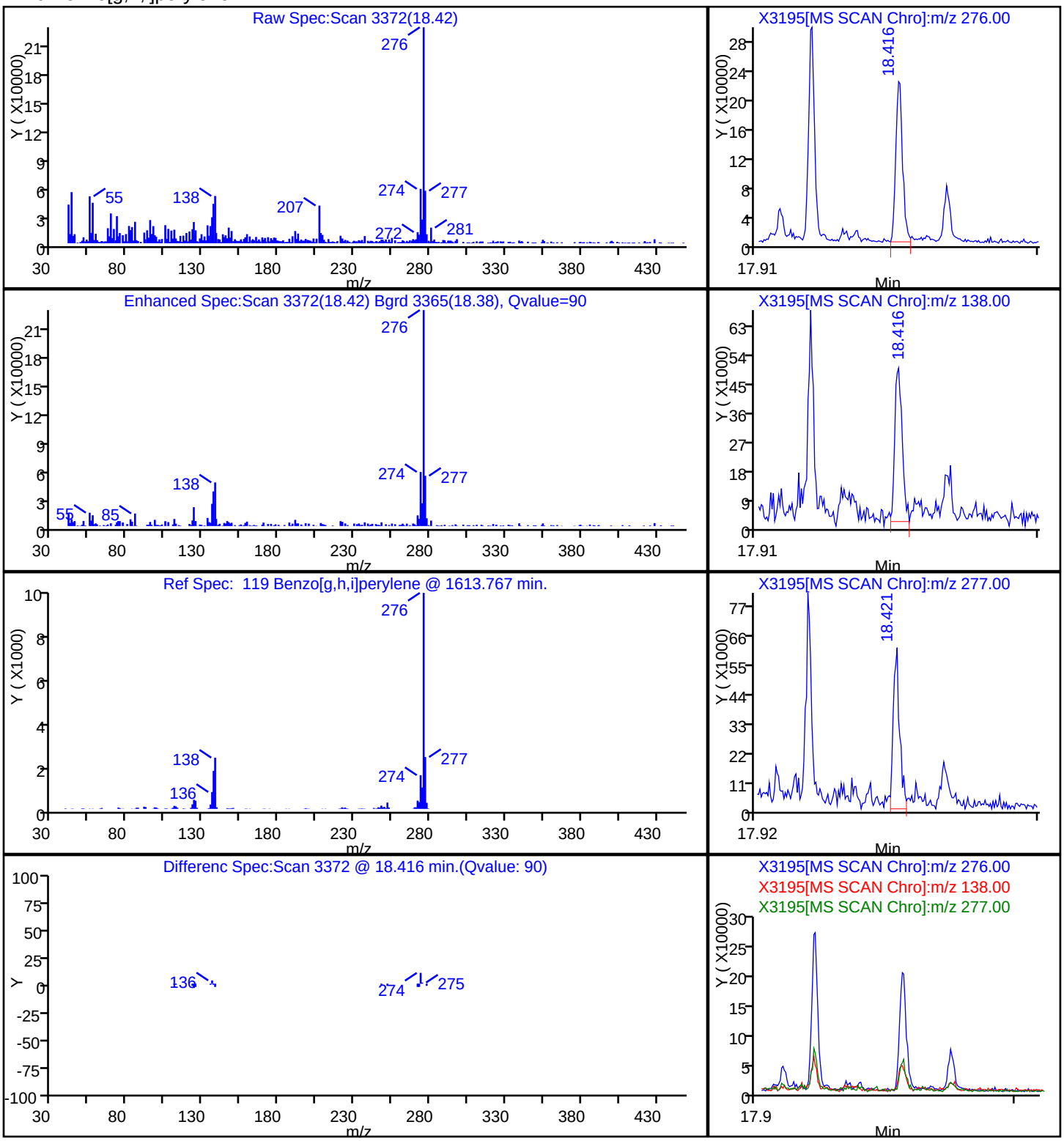


Report Date: 09-Mar-2013 09:54:13 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3195.D		
Injection Date:	20-Dec-2012 12:17:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-520-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	6
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

119 Benzo[g,h,i]perylene

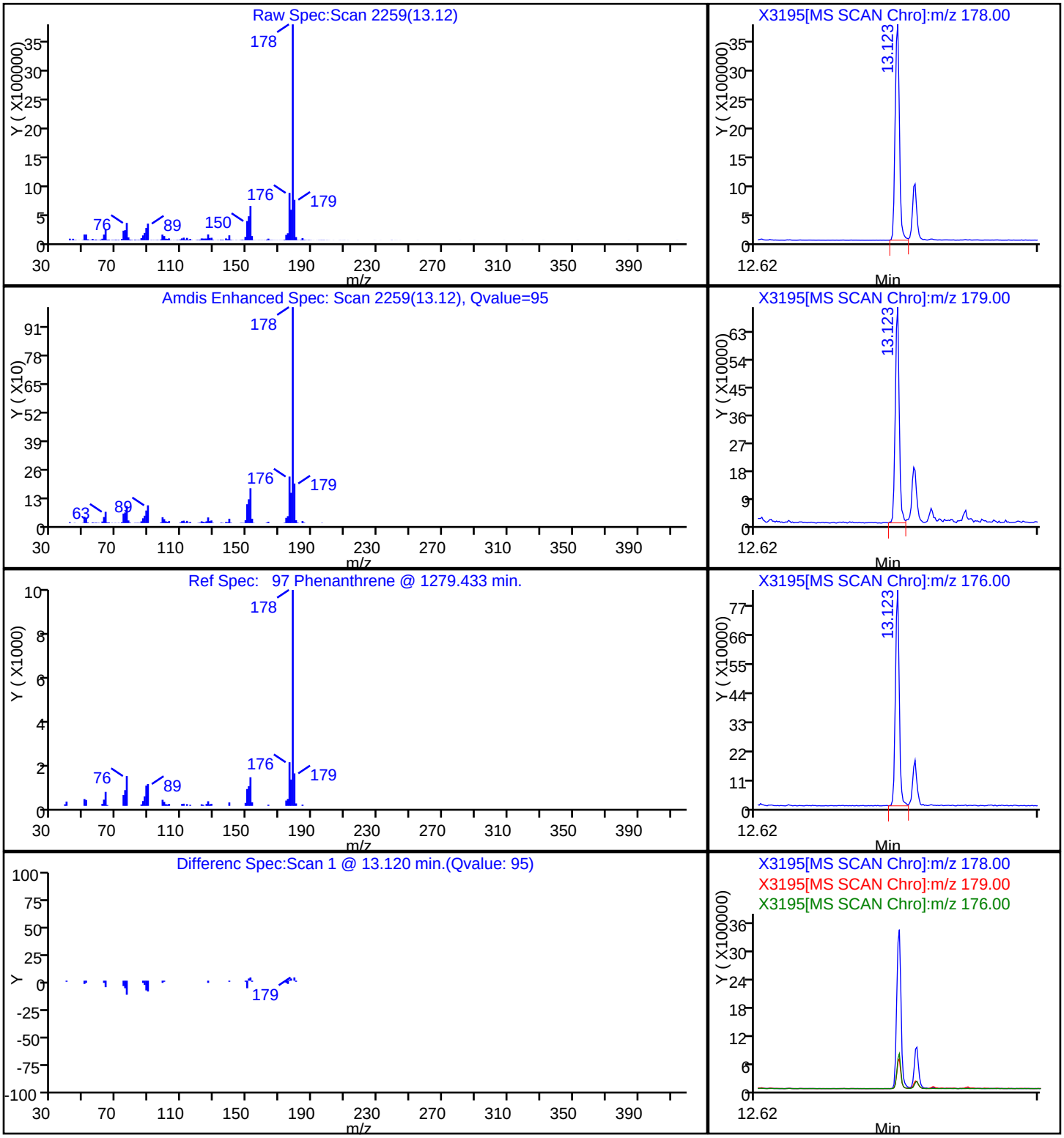


Report Date: 09-Mar-2013 09:54:11 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3195.D		
Injection Date:	20-Dec-2012 12:17:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-520-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	6
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

97 Phenanthrene

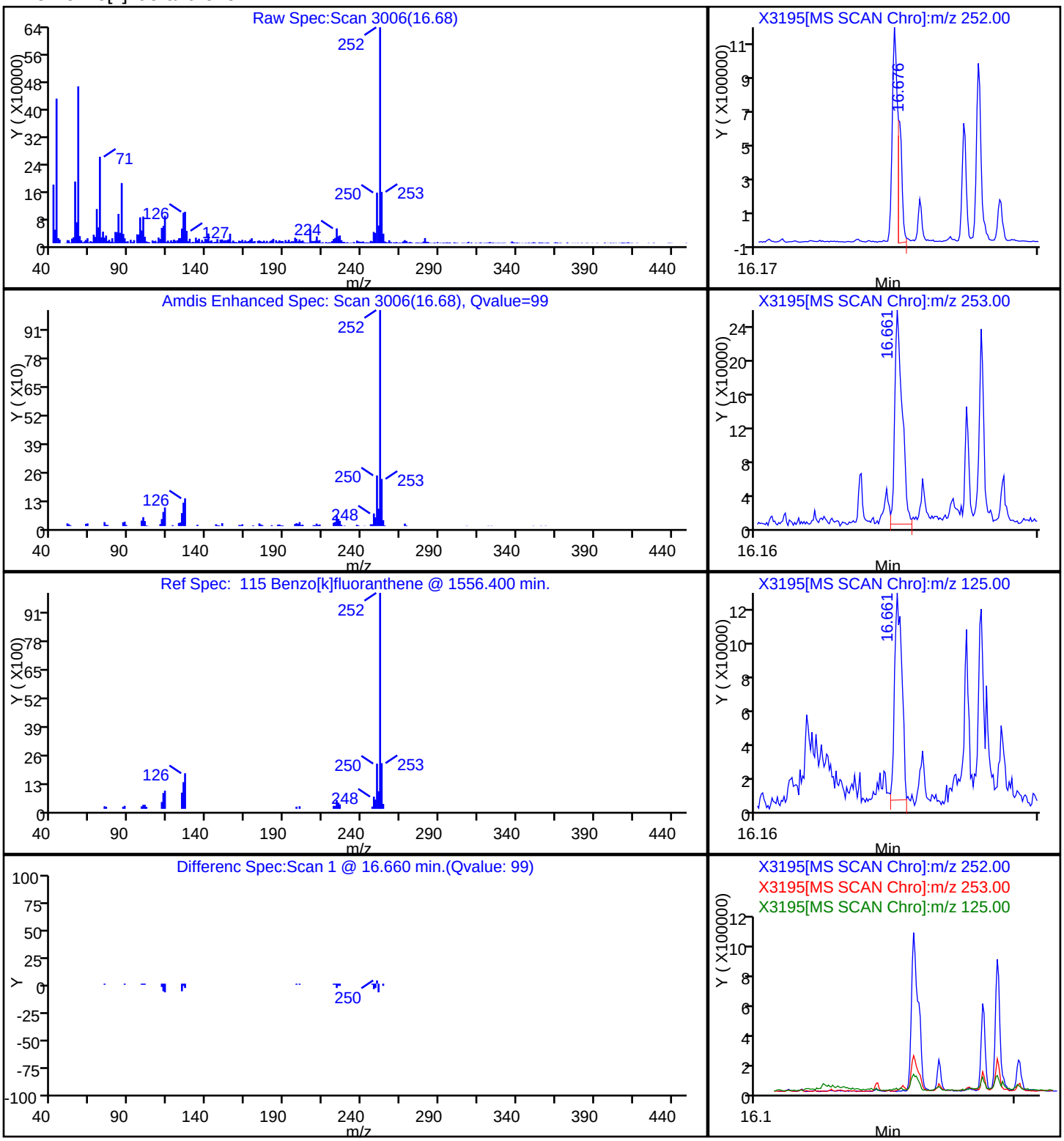


Report Date: 09-Mar-2013 09:54:12 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3195.D		
Injection Date:	20-Dec-2012 12:17:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-520-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	6
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

115 Benzo[k]fluoranthene

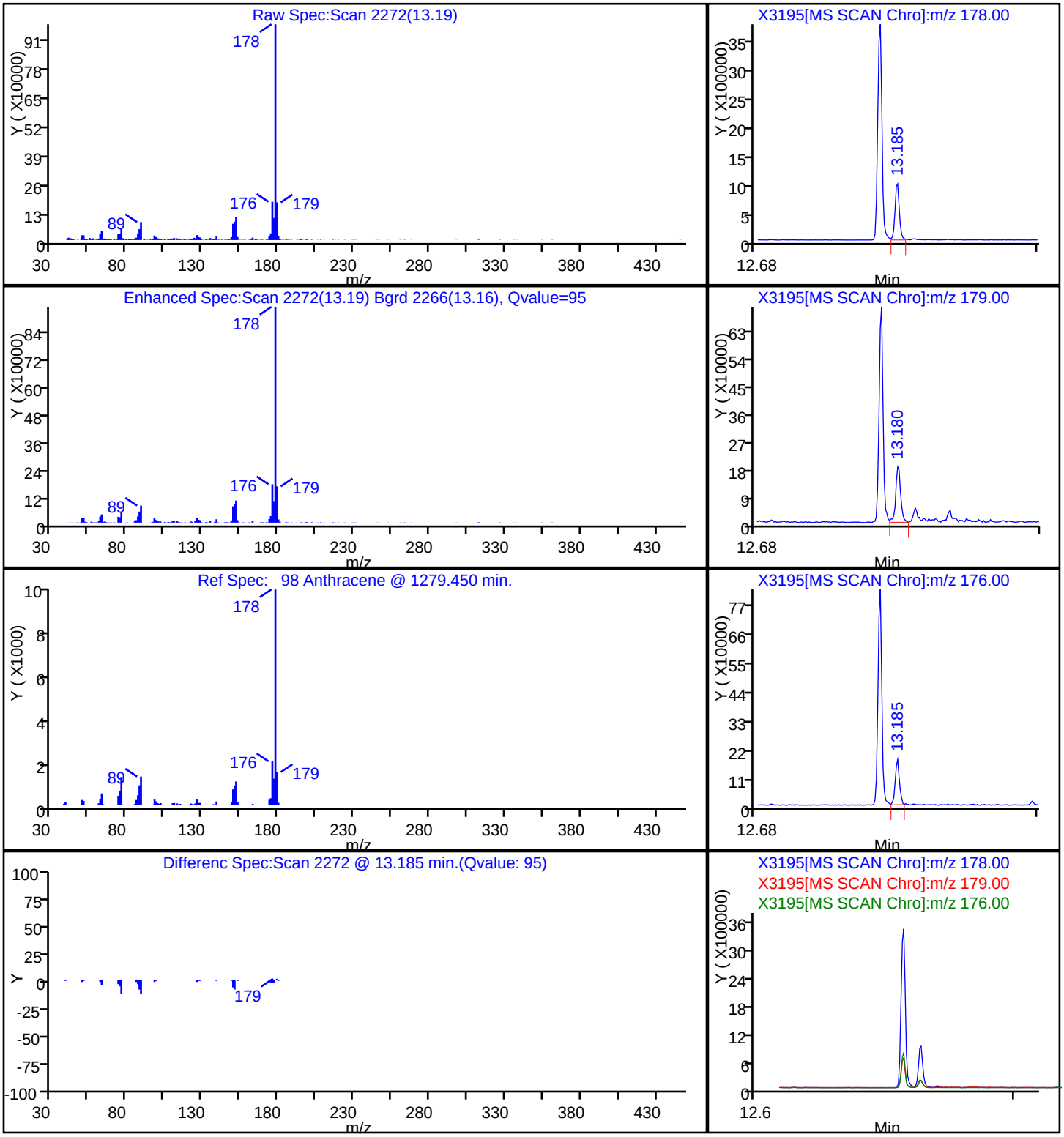


Report Date: 09-Mar-2013 09:54:11 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3195.D		
Injection Date:	20-Dec-2012 12:17:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-520-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	6
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

98 Anthracene

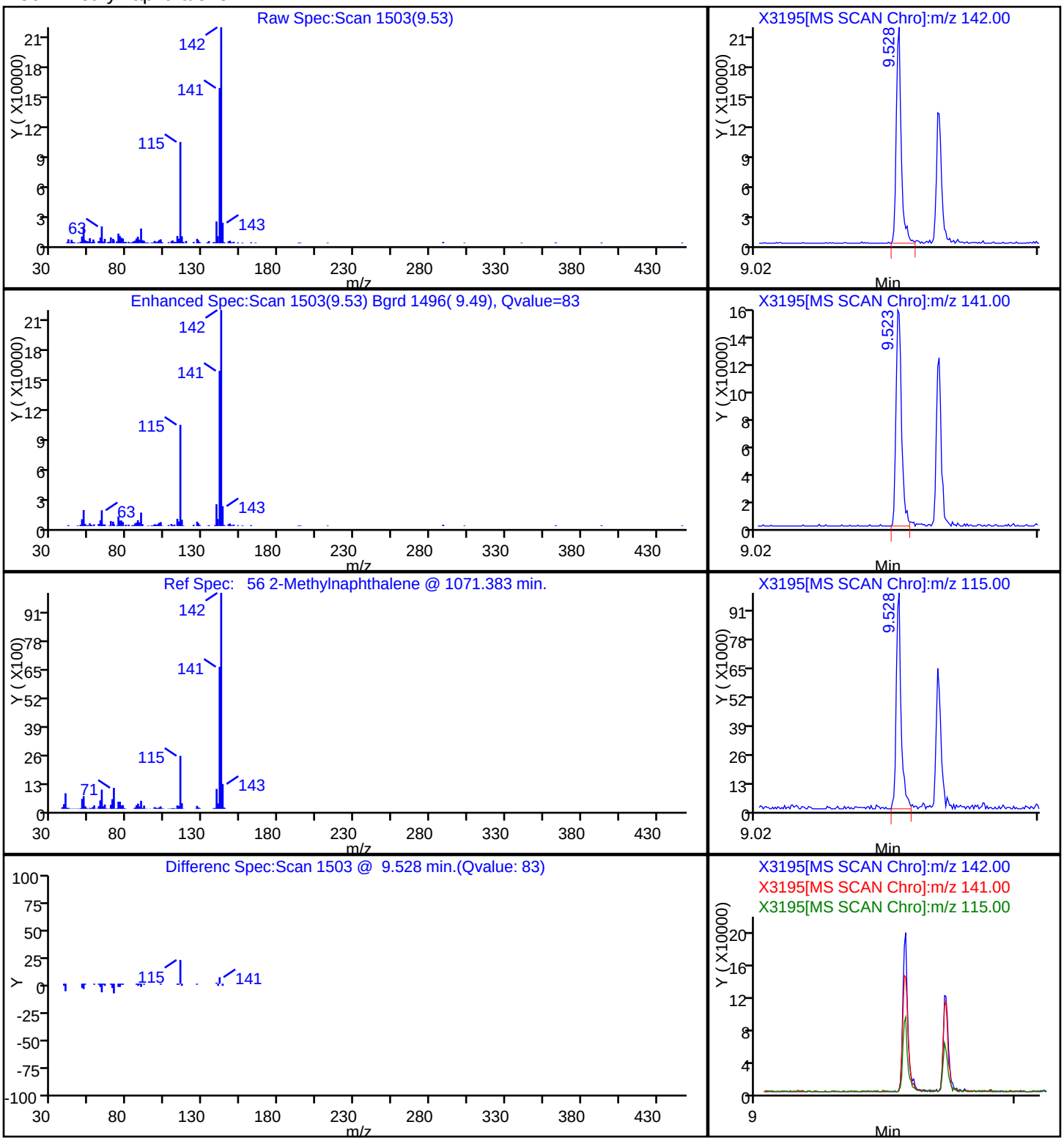


Report Date: 09-Mar-2013 09:54:10 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3195.D		
Injection Date:	20-Dec-2012 12:17:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-520-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	6
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

56 2-Methylnaphthalene

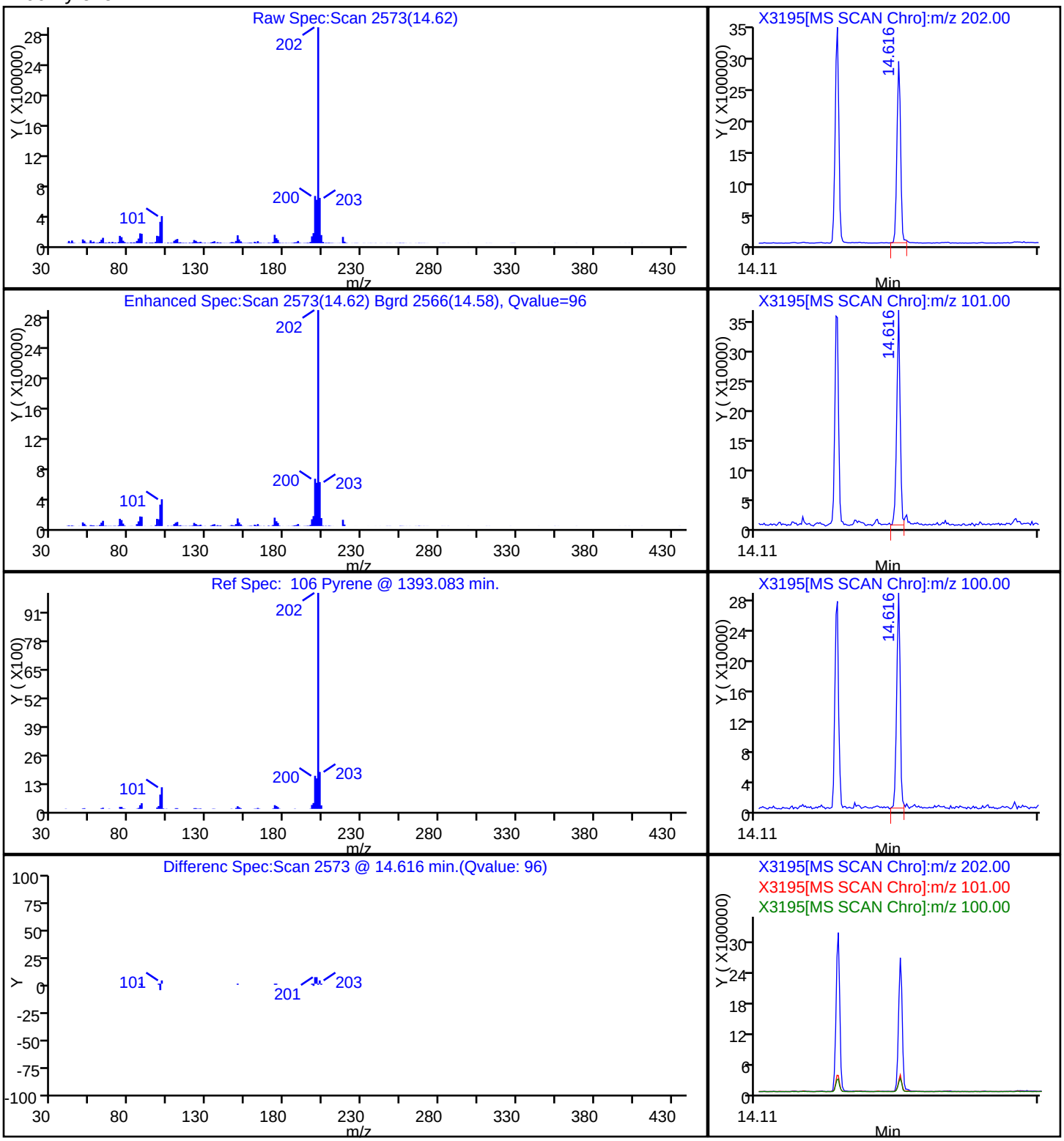


Report Date: 09-Mar-2013 09:54:11 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3195.D		
Injection Date:	20-Dec-2012 12:17:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-520-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	6
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

106 Pyrene

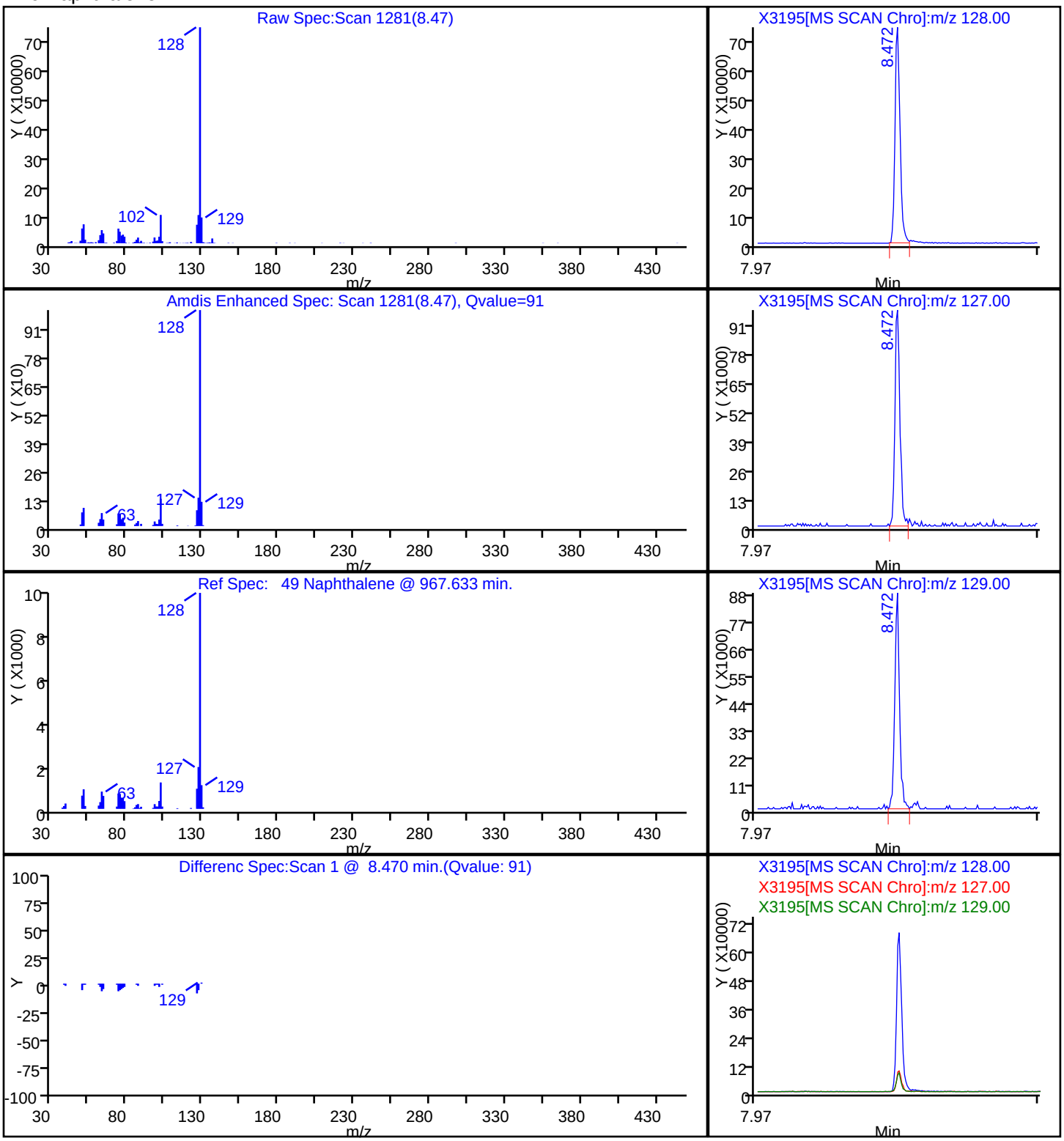


Report Date: 09-Mar-2013 09:54:10 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3195.D		
Injection Date:	20-Dec-2012 12:17:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-520-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	6
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

49 Naphthalene

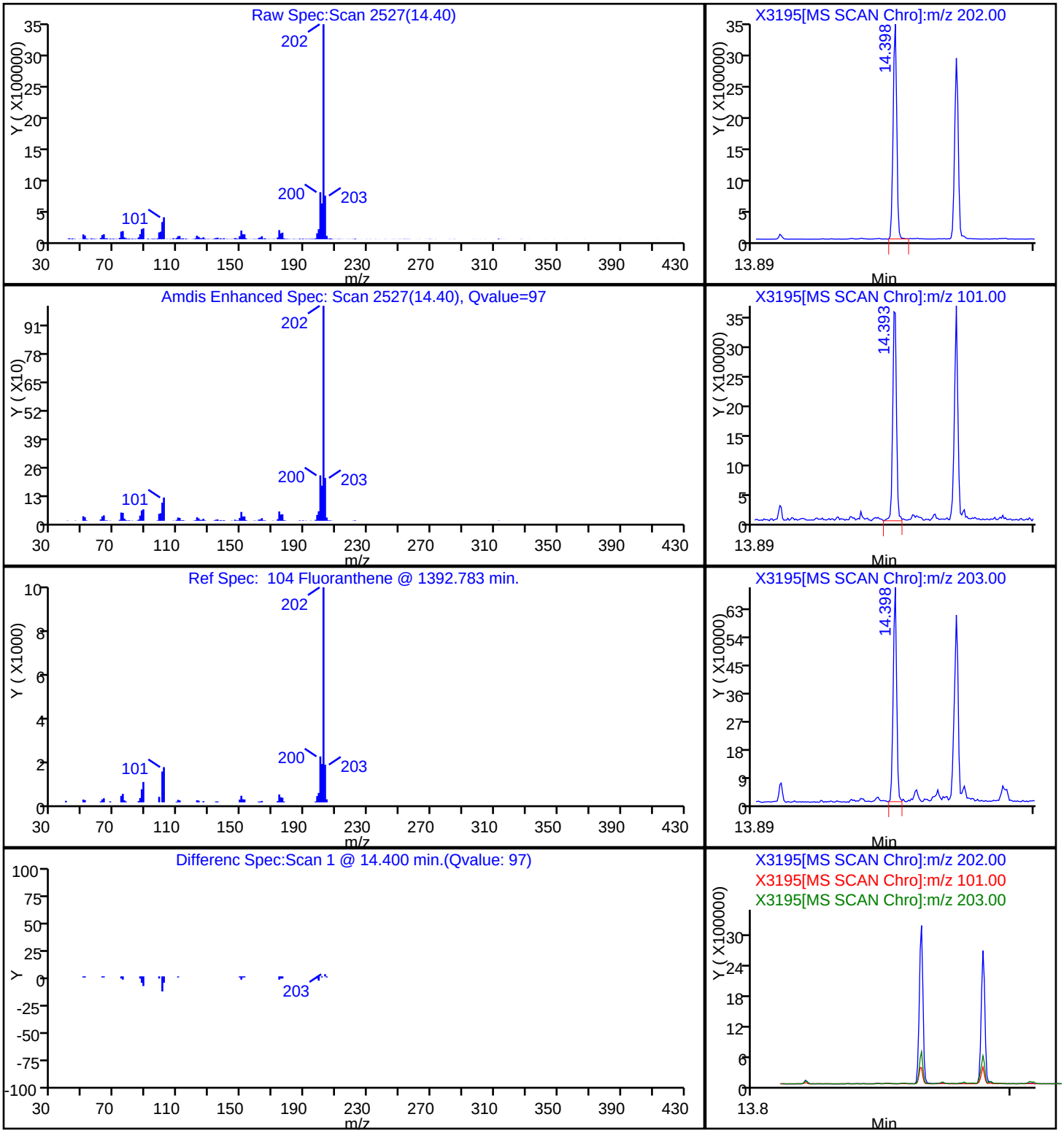


Report Date: 09-Mar-2013 09:54:11 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3195.D		
Injection Date:	20-Dec-2012 12:17:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-520-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	6
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

104 Fluoranthene

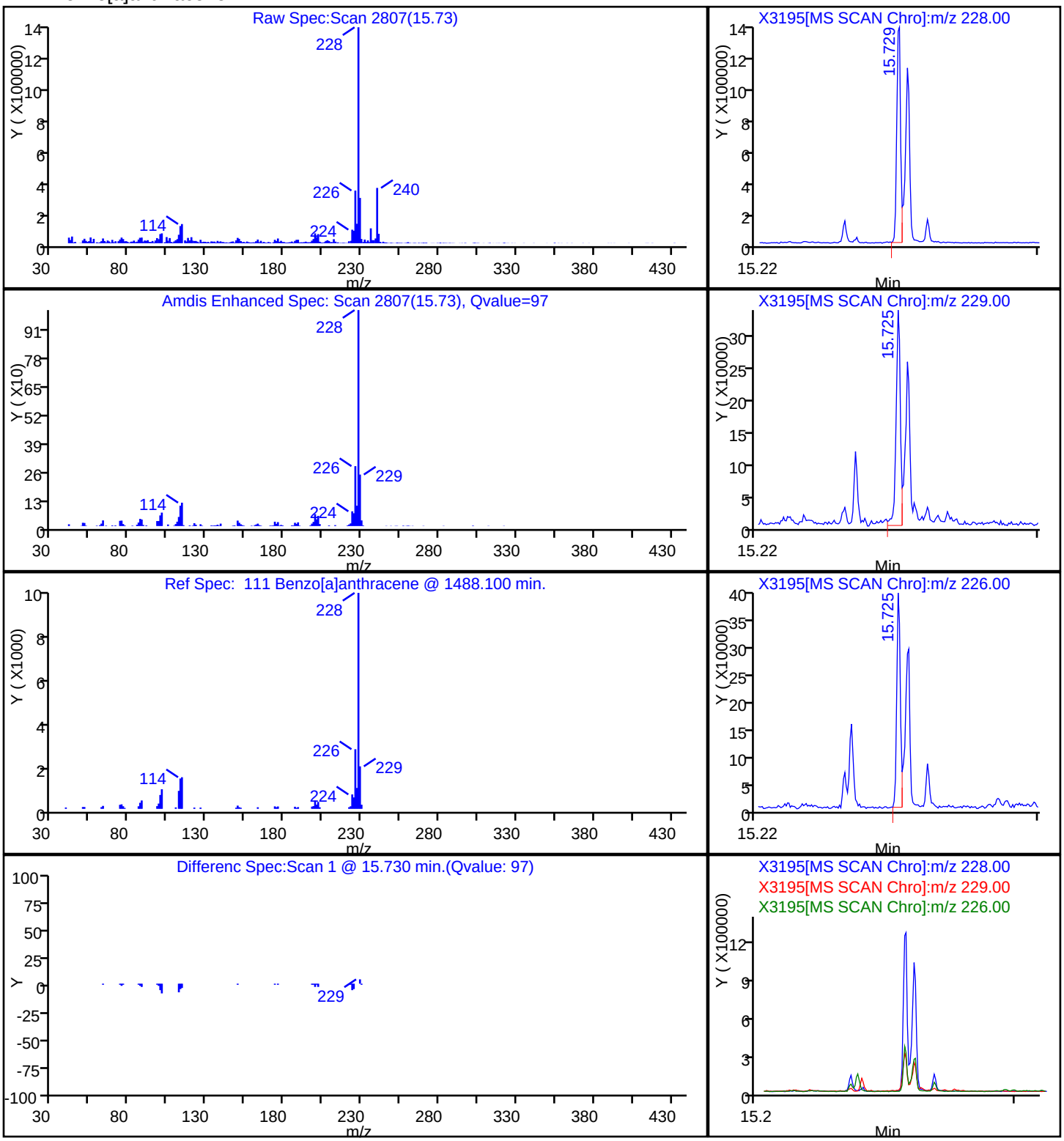


Report Date: 09-Mar-2013 09:54:12 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3195.D		
Injection Date:	20-Dec-2012 12:17:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-520-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	6
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

111 Benzo[a]anthracene

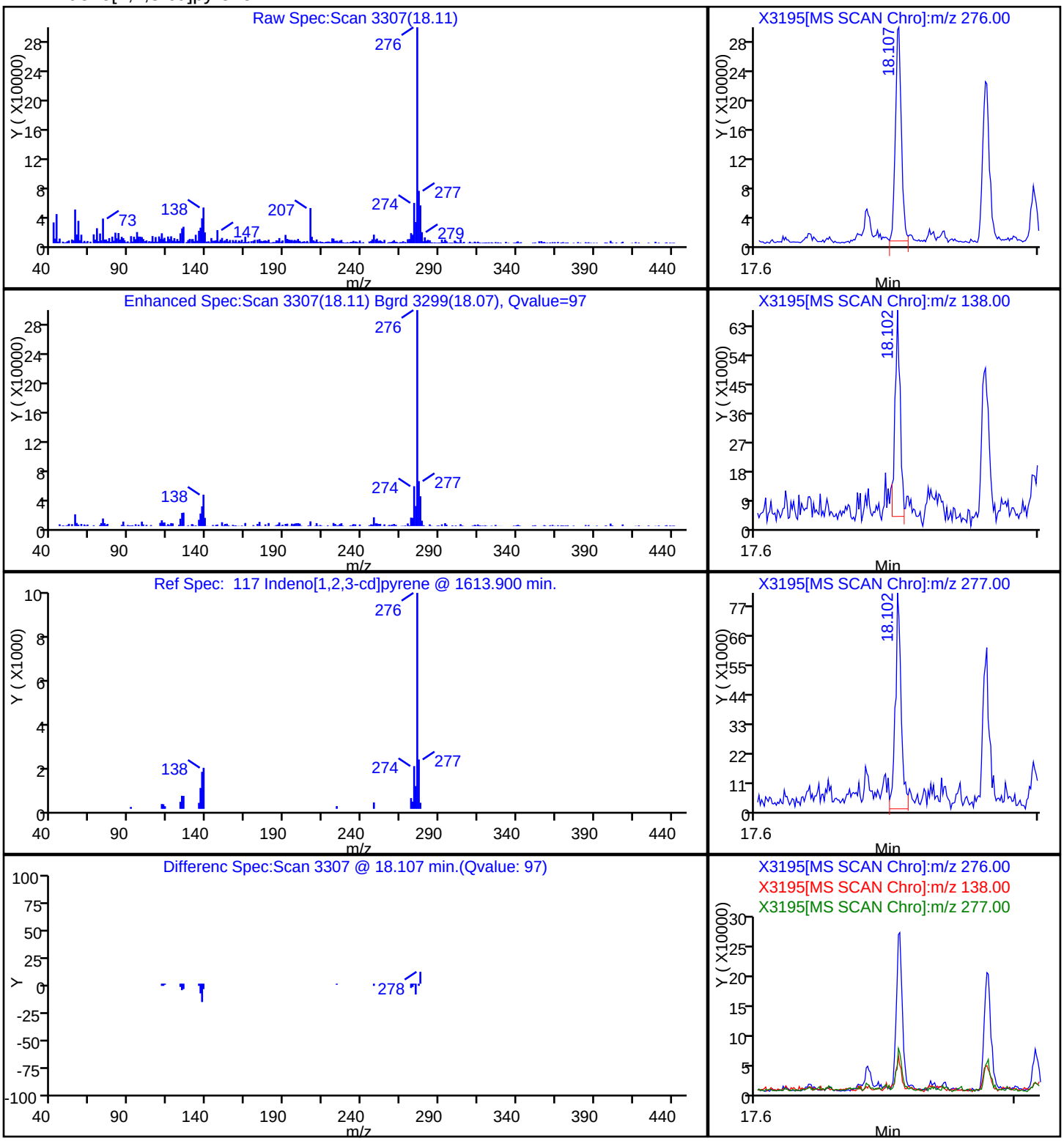


Report Date: 09-Mar-2013 09:54:13 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3195.D		
Injection Date:	20-Dec-2012 12:17:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-520-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	6
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

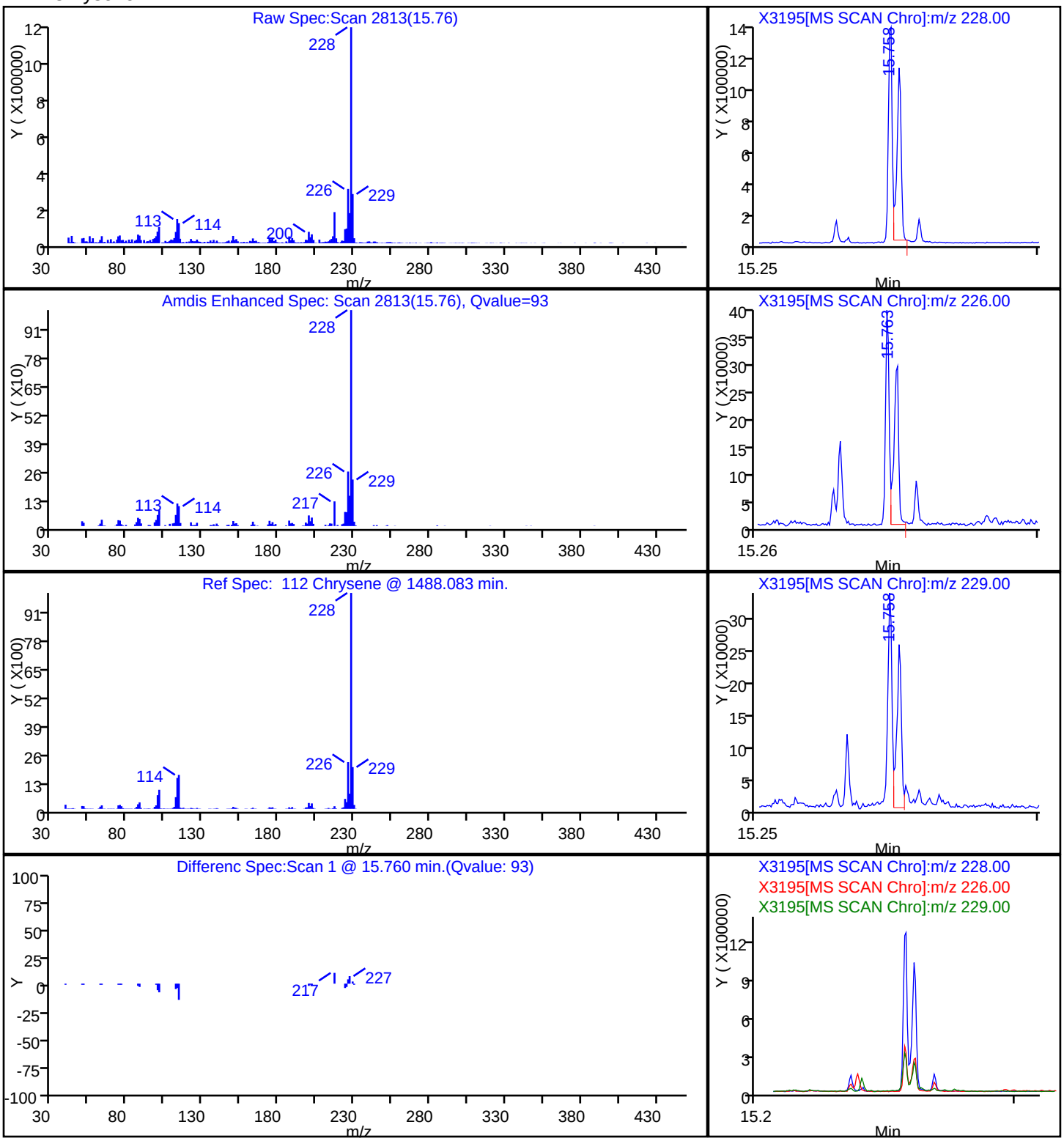


Report Date: 09-Mar-2013 09:54:12 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3195.D		
Injection Date:	20-Dec-2012 12:17:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-520-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	6
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

112 Chrysene

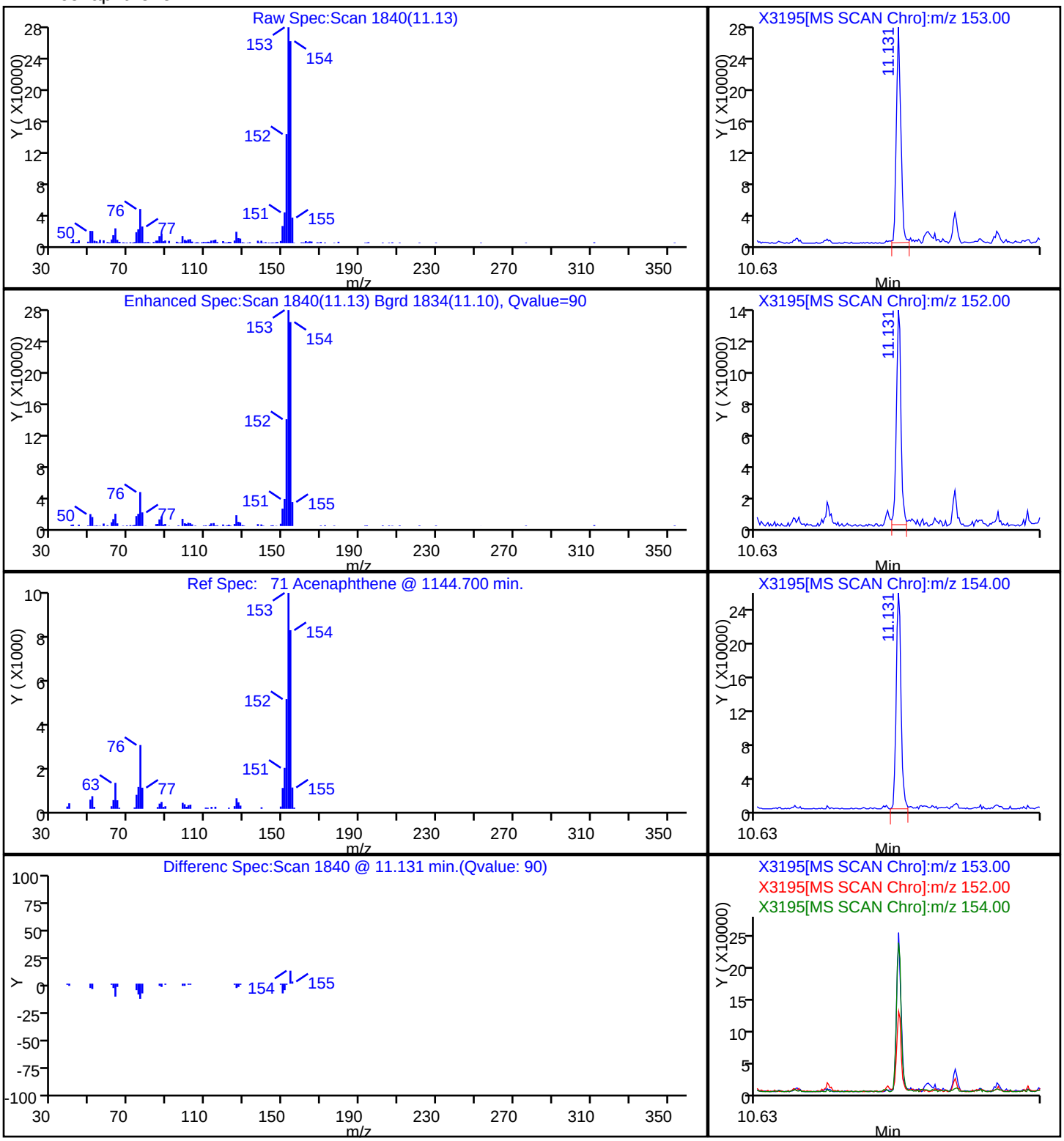


Report Date: 09-Mar-2013 09:54:10 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3195.D		
Injection Date:	20-Dec-2012 12:17:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-520-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	6
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

71 Acenaphthene

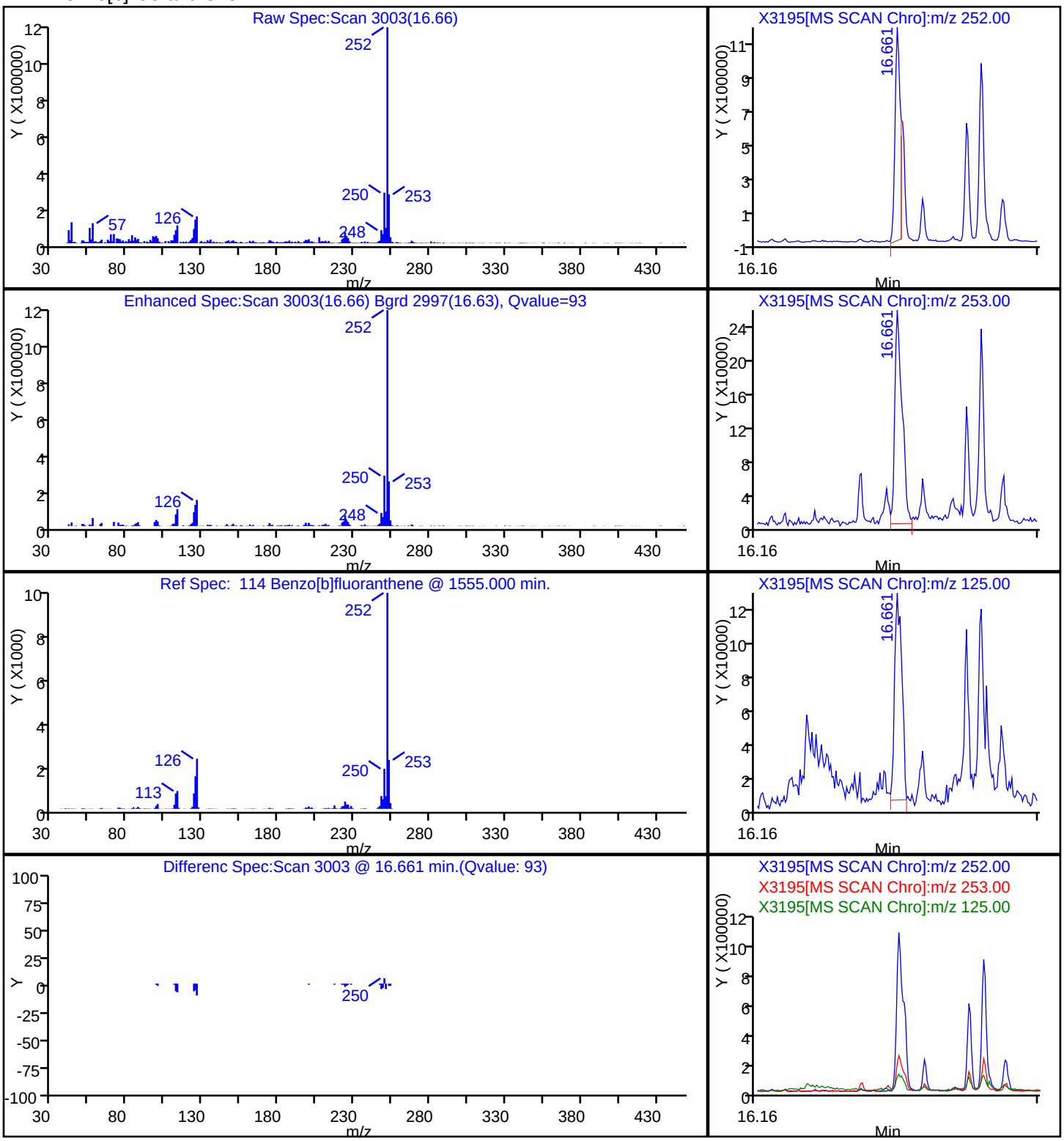


Report Date: 09-Mar-2013 09:54:12 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3195.D		
Injection Date:	20-Dec-2012 12:17:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-520-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	6
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

114 Benzo[b]fluoranthene

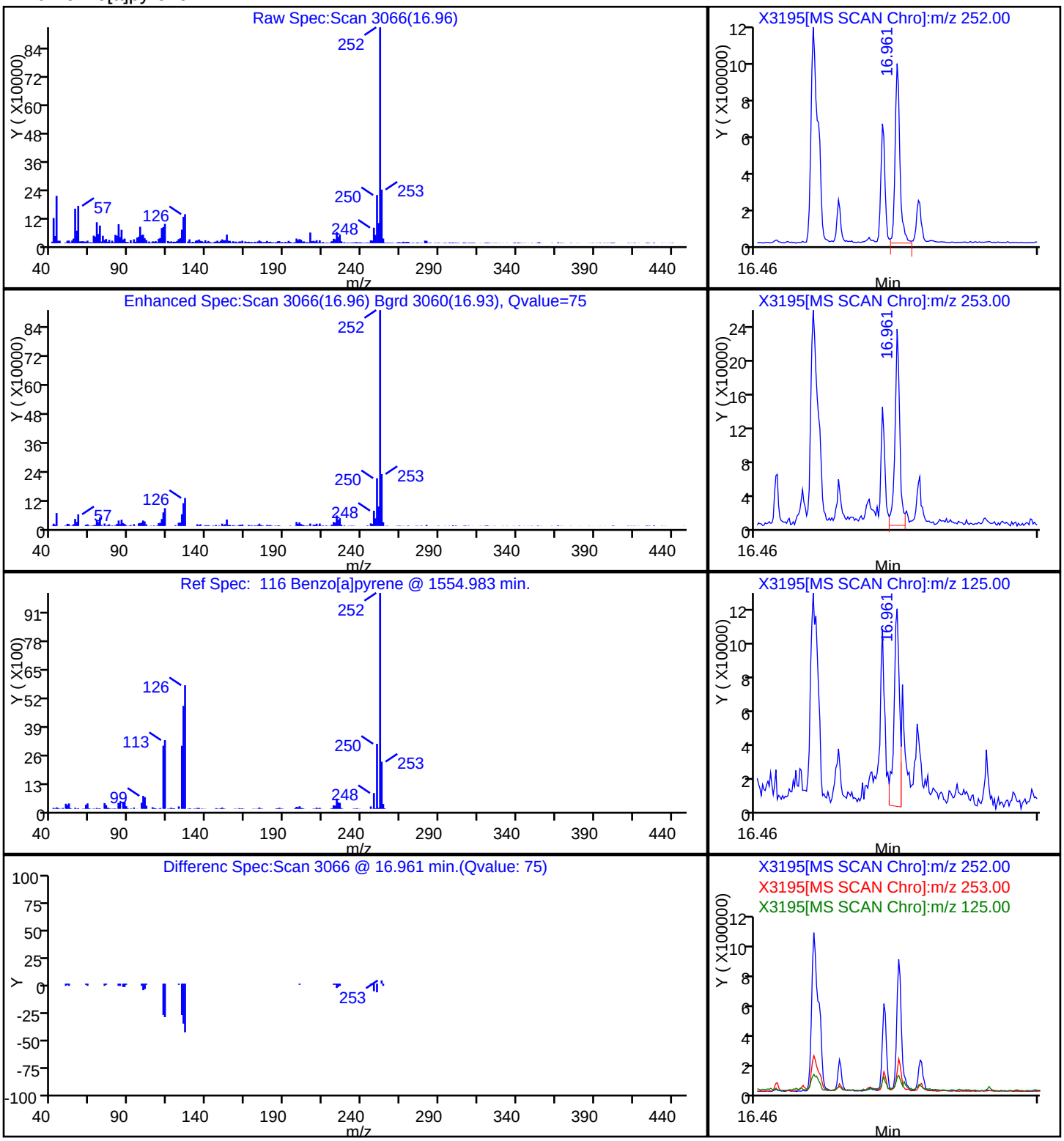


Report Date: 09-Mar-2013 09:54:13 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3195.D		
Injection Date:	20-Dec-2012 12:17:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-520-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	6
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

116 Benzo[a]pyrene

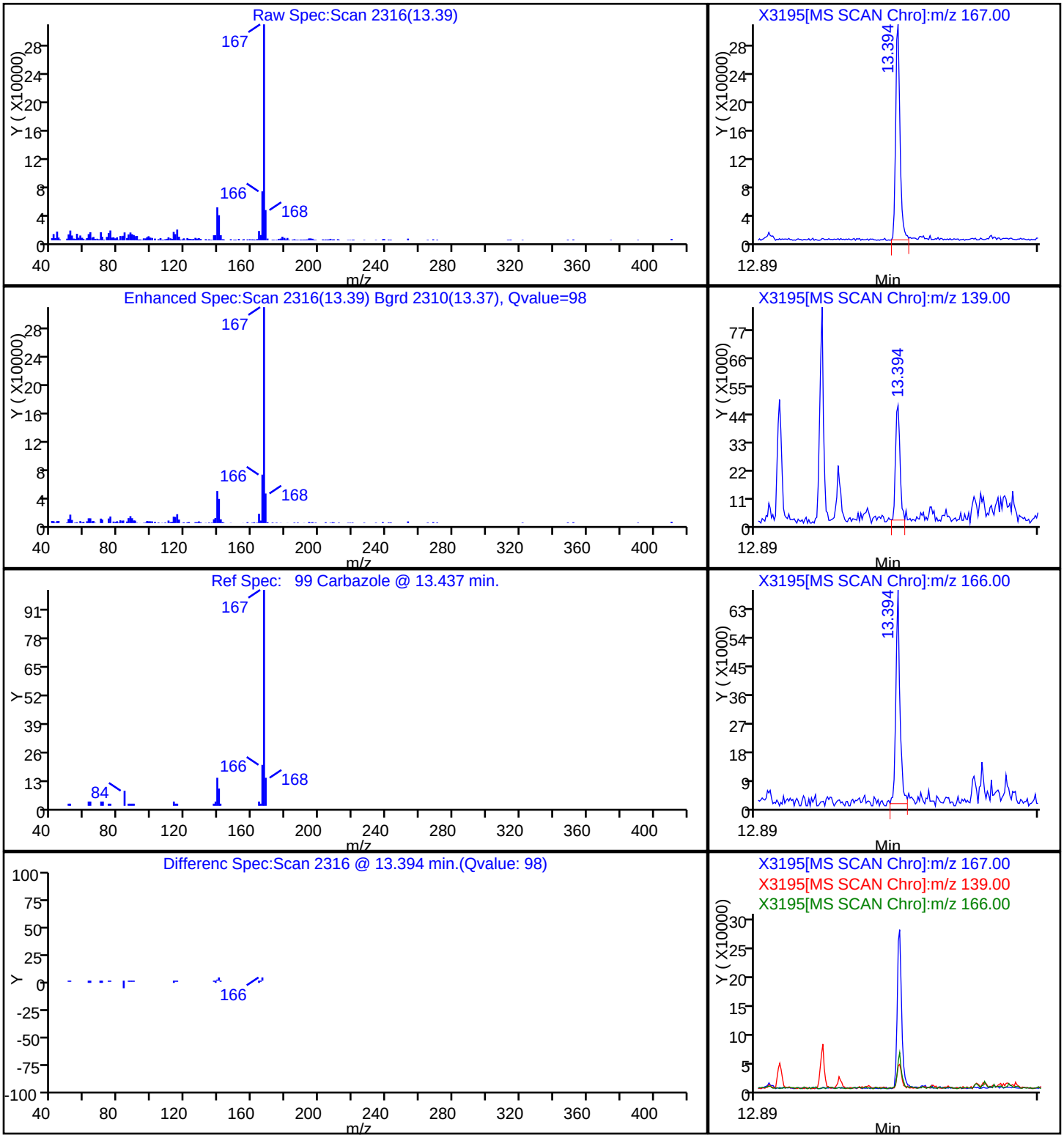


Report Date: 09-Mar-2013 09:54:11 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3195.D		
Injection Date:	20-Dec-2012 12:17:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-520-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	6
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

99 Carbazole

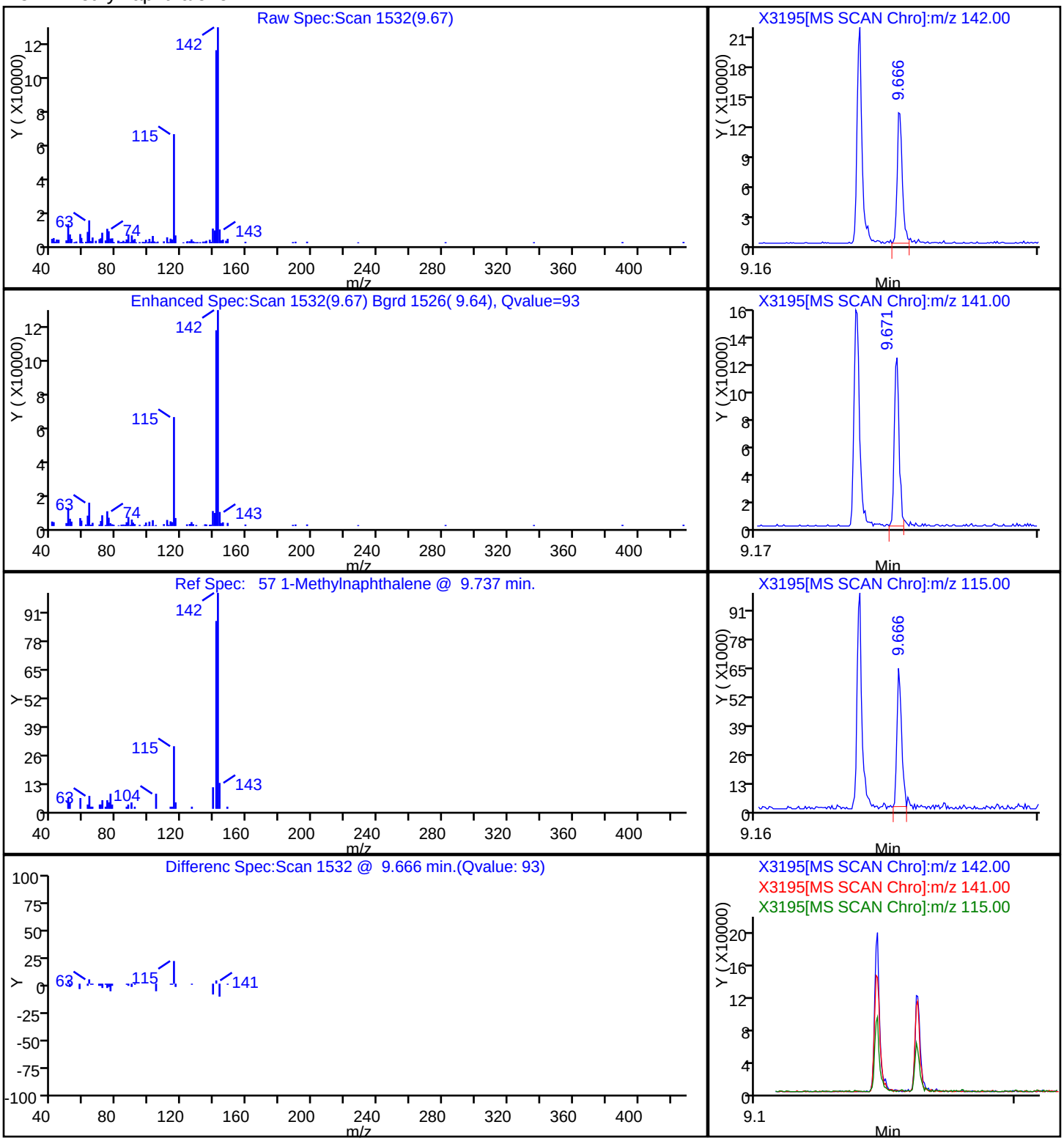


Report Date: 09-Mar-2013 09:54:10 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3195.D		
Injection Date:	20-Dec-2012 12:17:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-520-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	6
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

57 1-Methylnaphthalene

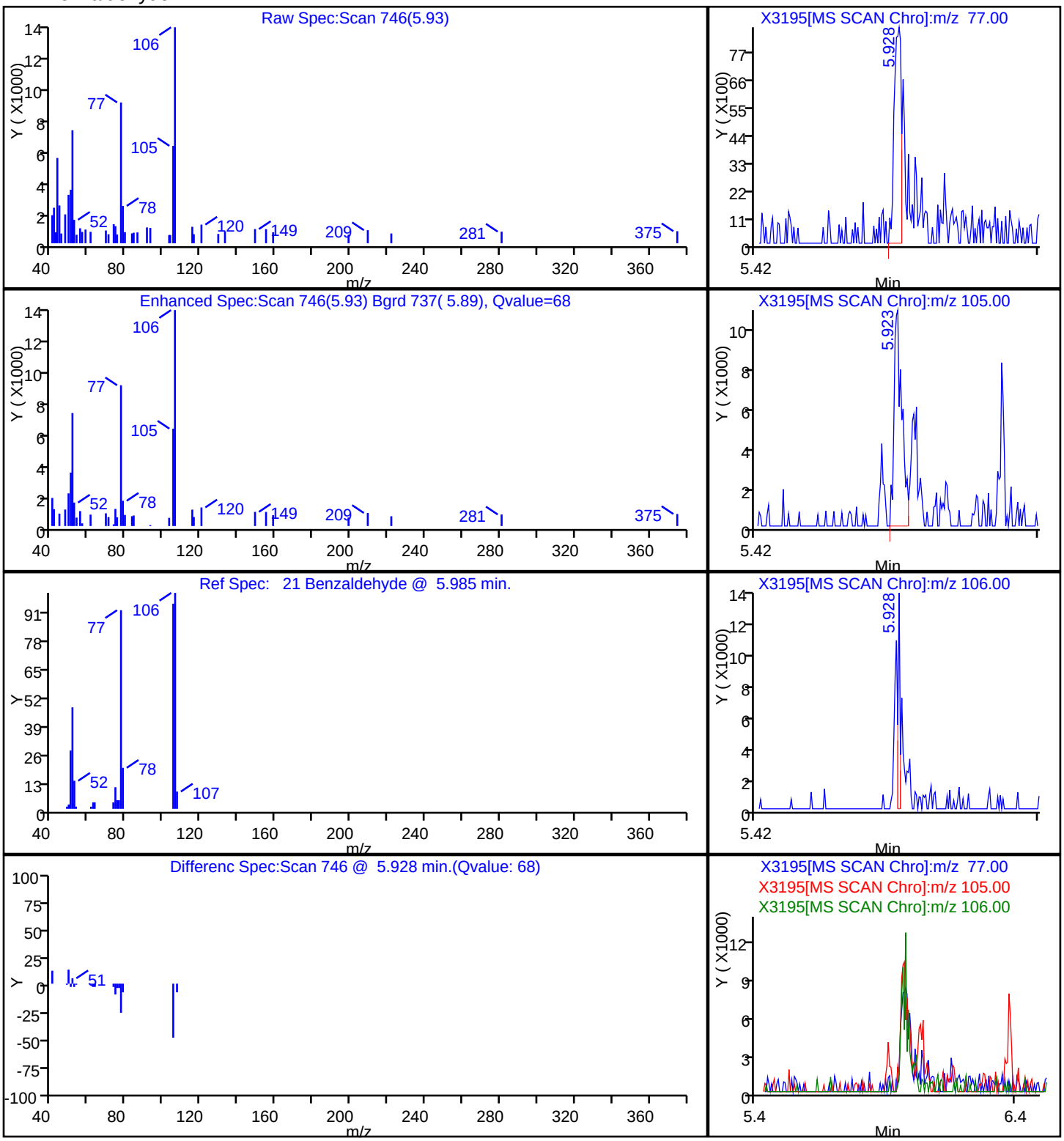


Report Date: 09-Mar-2013 09:54:10 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3195.D		
Injection Date:	20-Dec-2012 12:17:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-520-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	6
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

21 Benzaldehyde

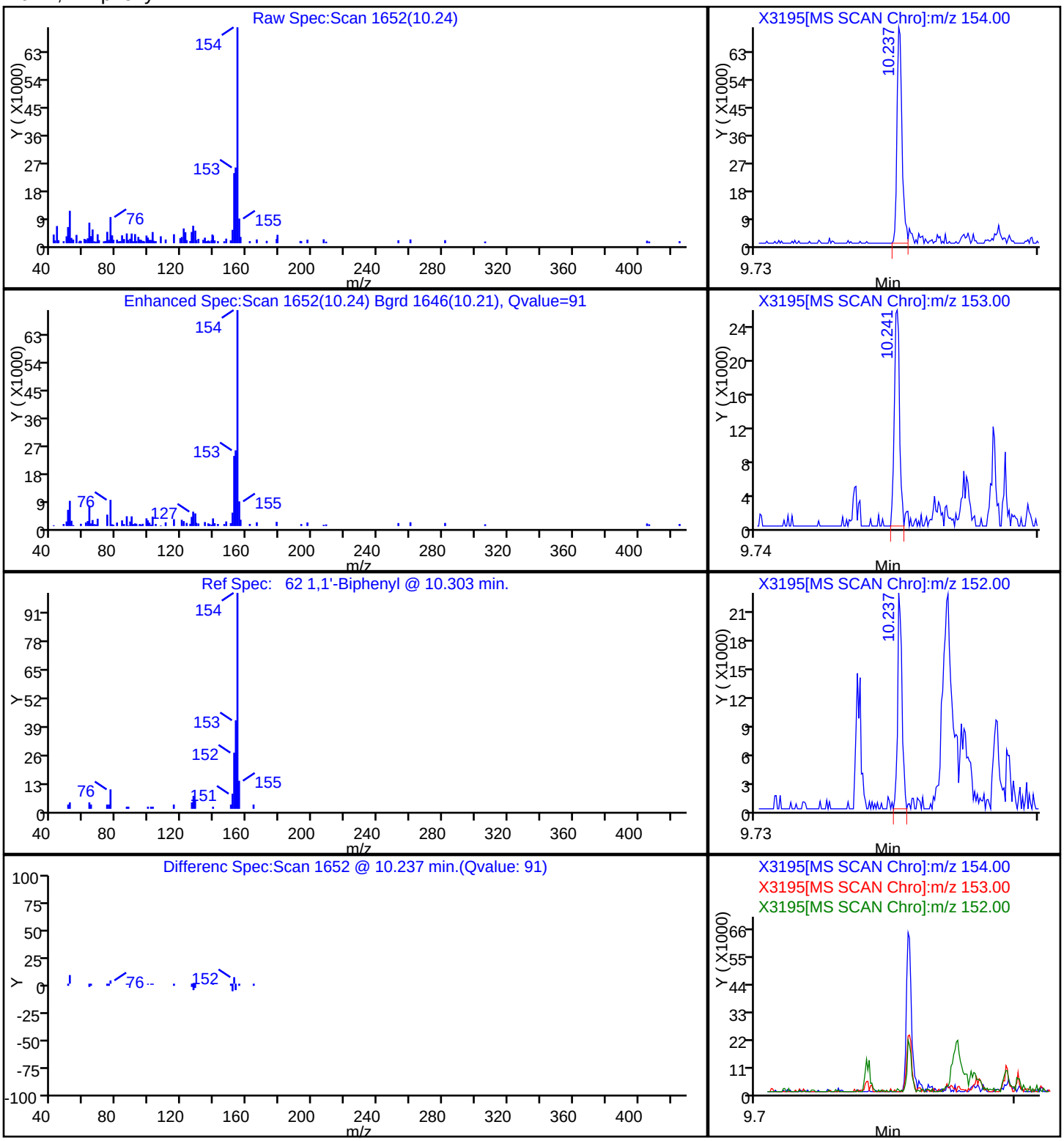


Report Date: 09-Mar-2013 09:54:10 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3195.D		
Injection Date:	20-Dec-2012 12:17:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-520-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	6
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

62 1,1'-Biphenyl



Manual Integration/User Assign Peak Report

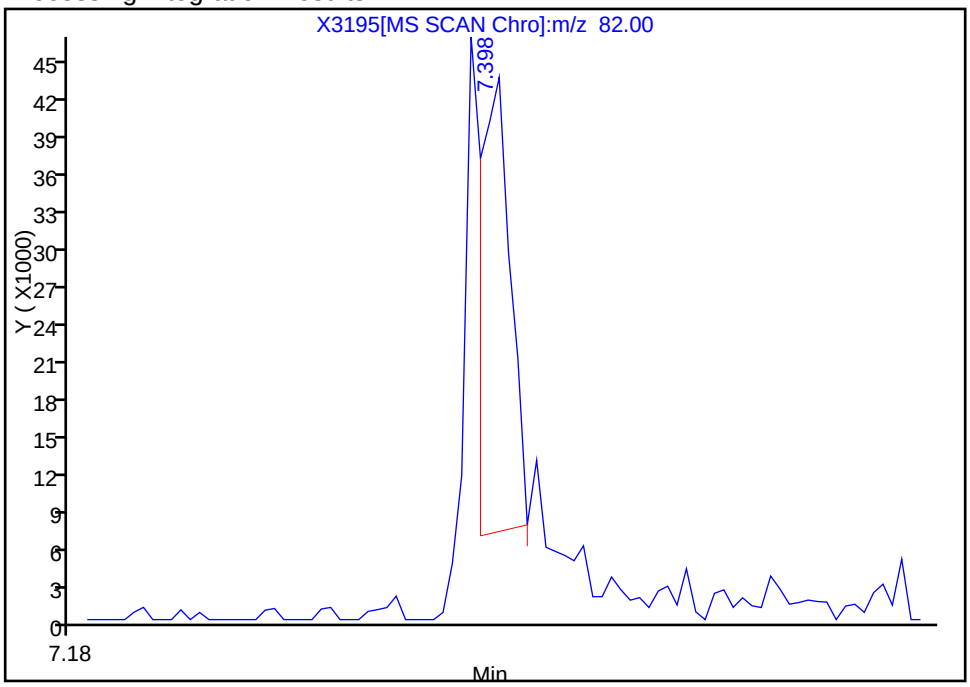
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3195.D		
Injection Date:	20-Dec-2012 12:17:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-520-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	6
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

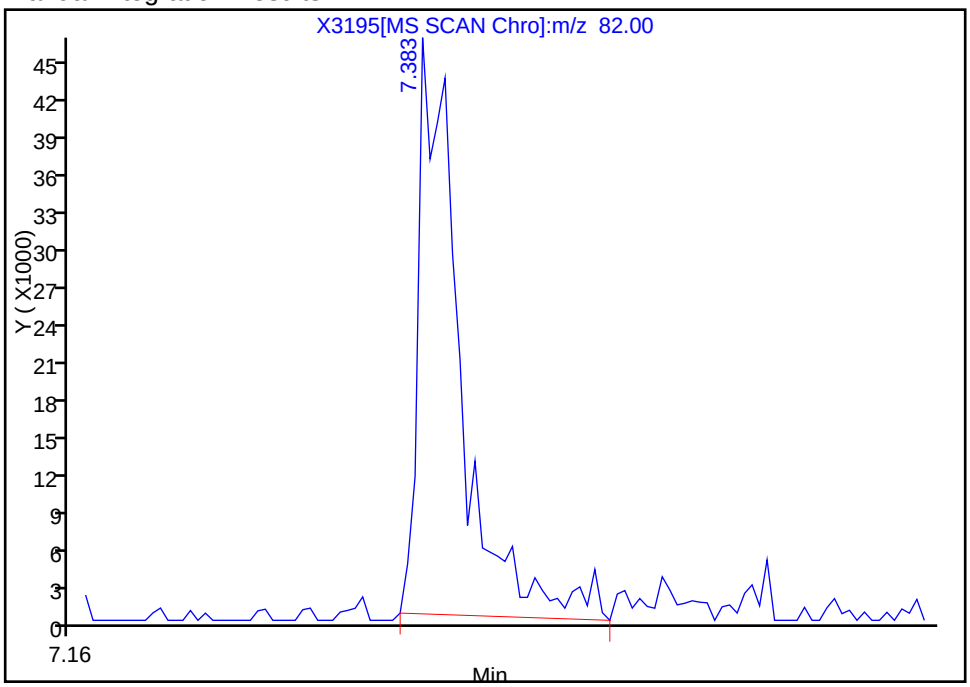
Processing Integration Results

RT: 7.40
Response: 38688
Amount: 0.591511



Manual Integration Results

RT: 7.38
Response: 85081
Amount: 1.392617



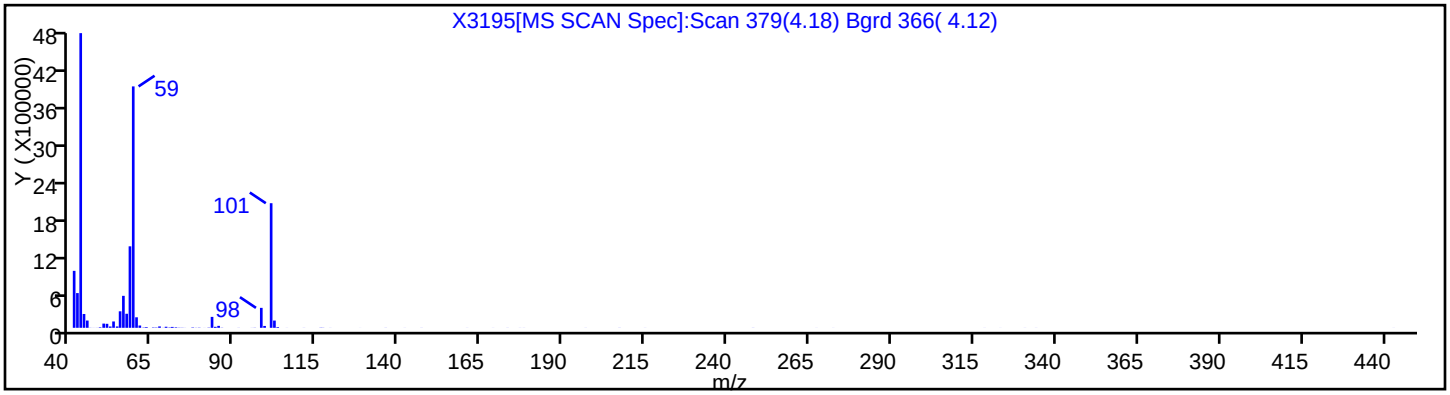
Reviewer: mckernar, 20-Dec-2012 13:10:30
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 09-Mar-2013 09:54:13 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3195.D		
Injection Date:	20-Dec-2012 12:17:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-520-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	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

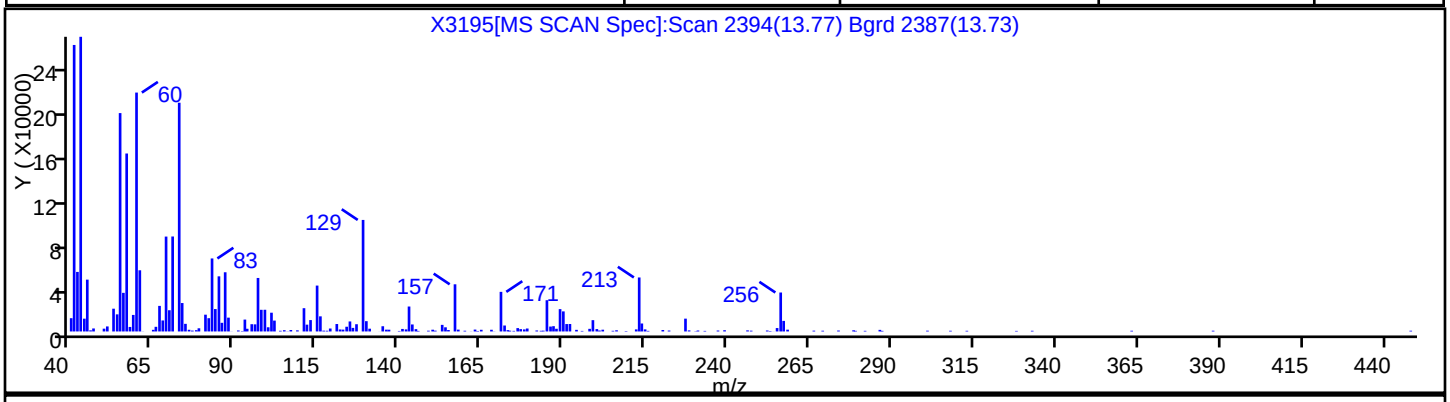


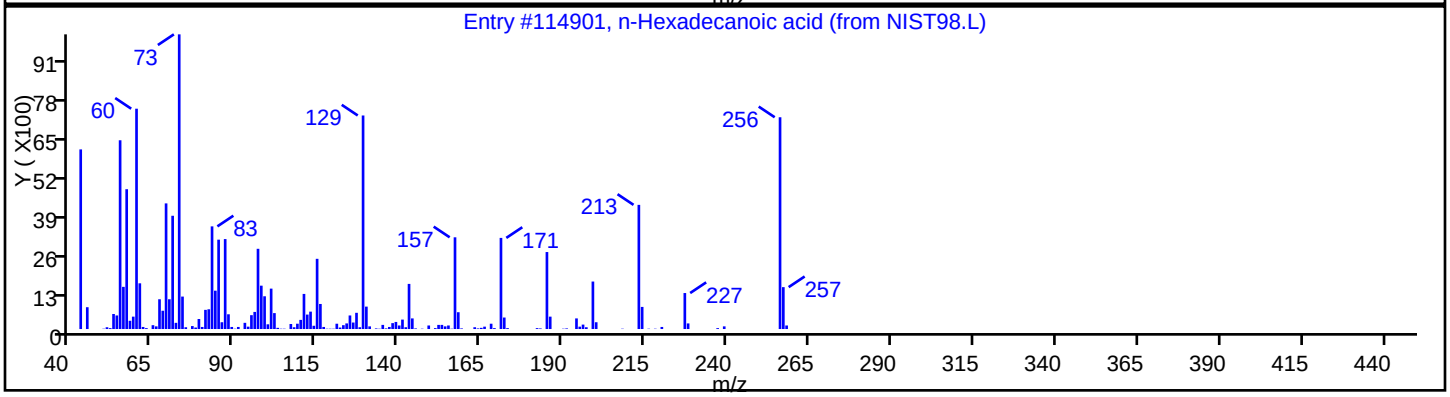
Report Date: 09-Mar-2013 09:54:13 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3195.D		
Injection Date:	20-Dec-2012 12:17:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-520-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	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
n-Hexadecanoic acid	57-10-3	NIST98.L	114901	94





Report Date: 09-Mar-2013 09:54:13 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3195.D		
Injection Date:	20-Dec-2012 12:17:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-520-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	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
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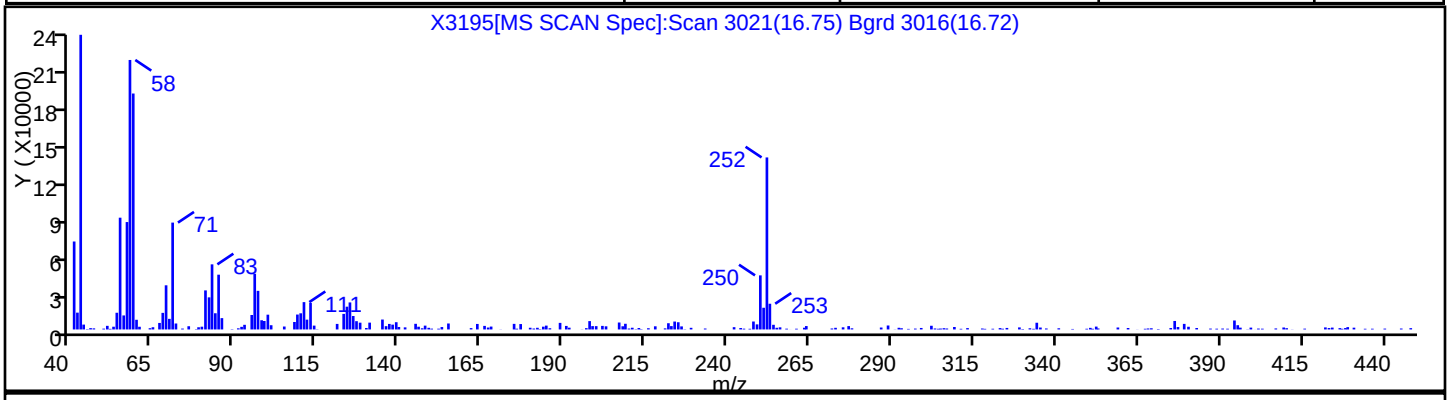
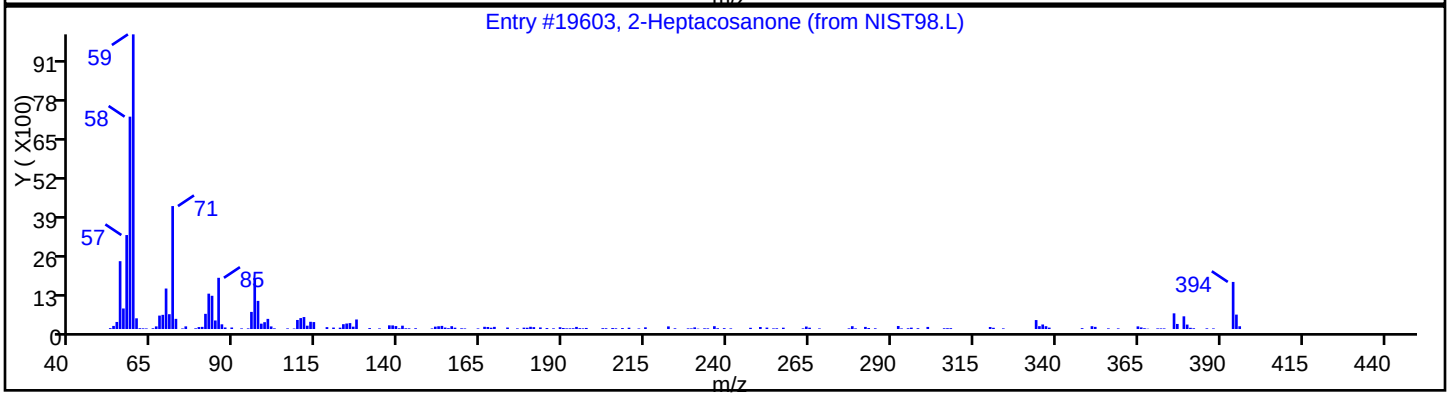


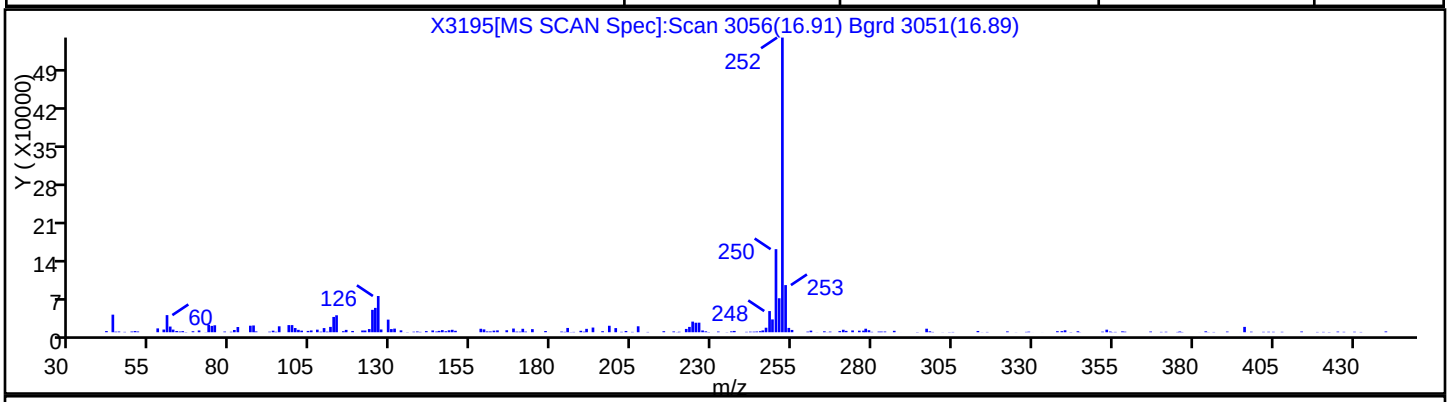


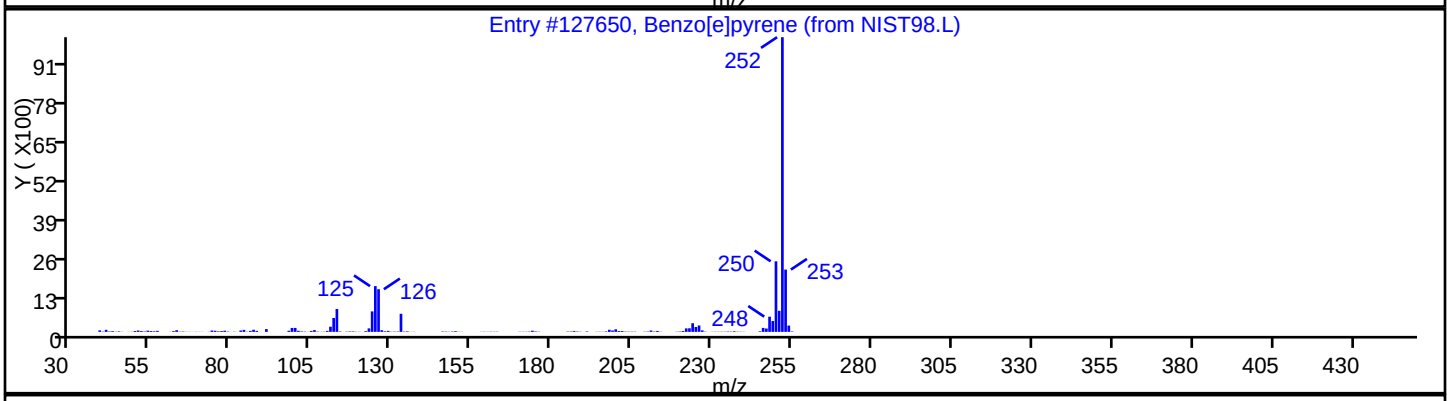
Report Date: 09-Mar-2013 09:54:13 Chrom Revision: 2.0 01-Feb-2013 10:03:10

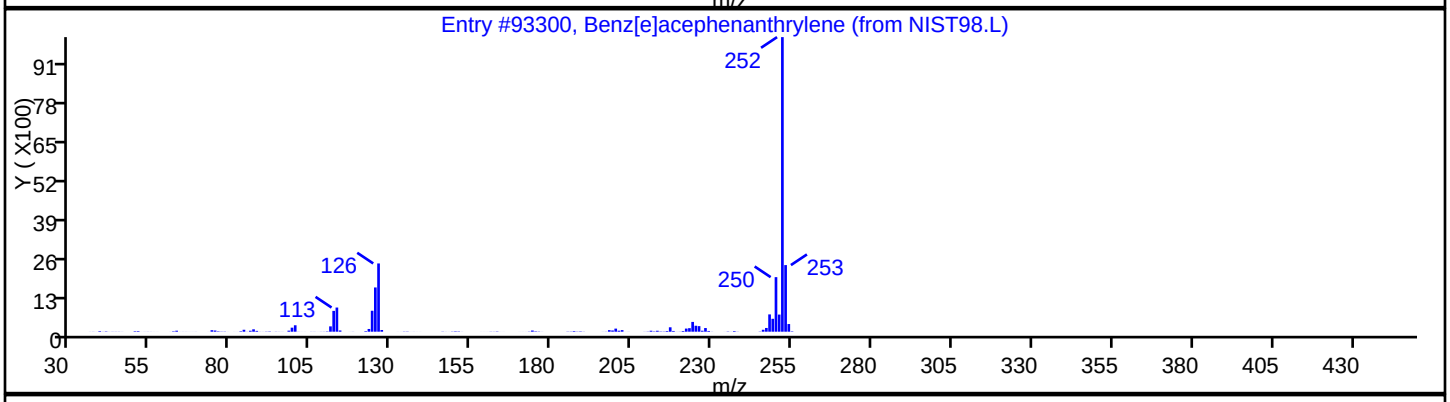
TestAmerica Buffalo

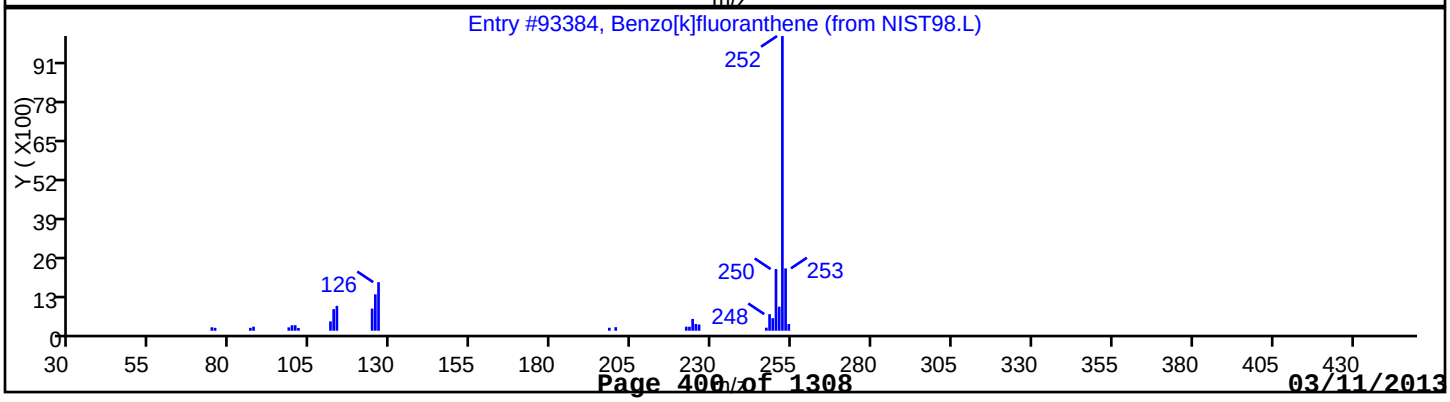
Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3195.D		
Injection Date:	20-Dec-2012 12:17:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-520-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	6
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Benzo[e]pyrene	192-97-2	NIST98.L	127650	93
Benz[e]acephenanthrylene	205-99-2	NIST98.L	93300	86
Benzo[k]fluoranthene	207-8-9	NIST98.L	93384	86







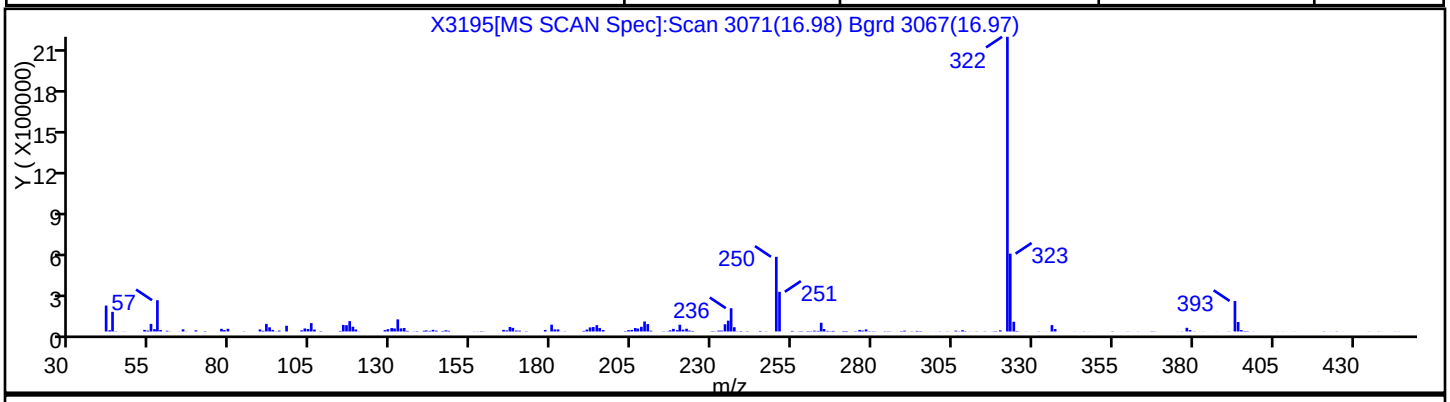


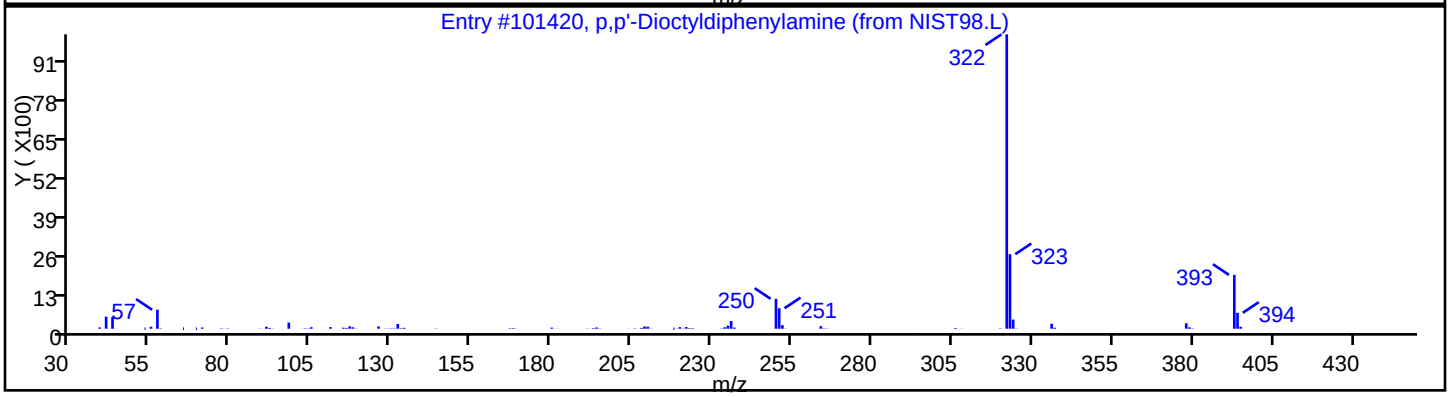
Report Date: 09-Mar-2013 09:54:13 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3195.D		
Injection Date:	20-Dec-2012 12:17:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-520-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	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
p,p'-Dioctyldiphenylamine	26603-23-6	NIST98.L	101420	93



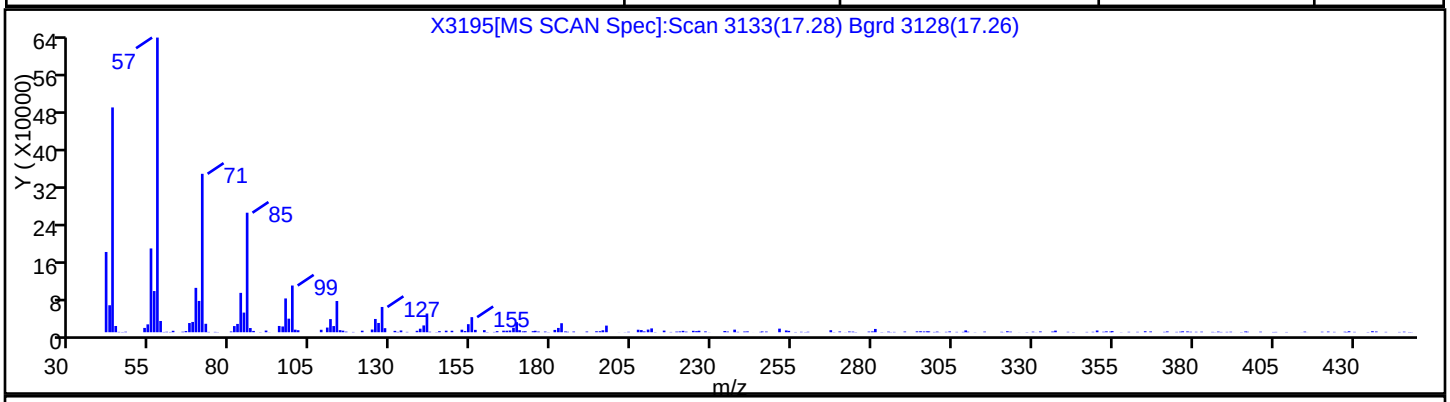


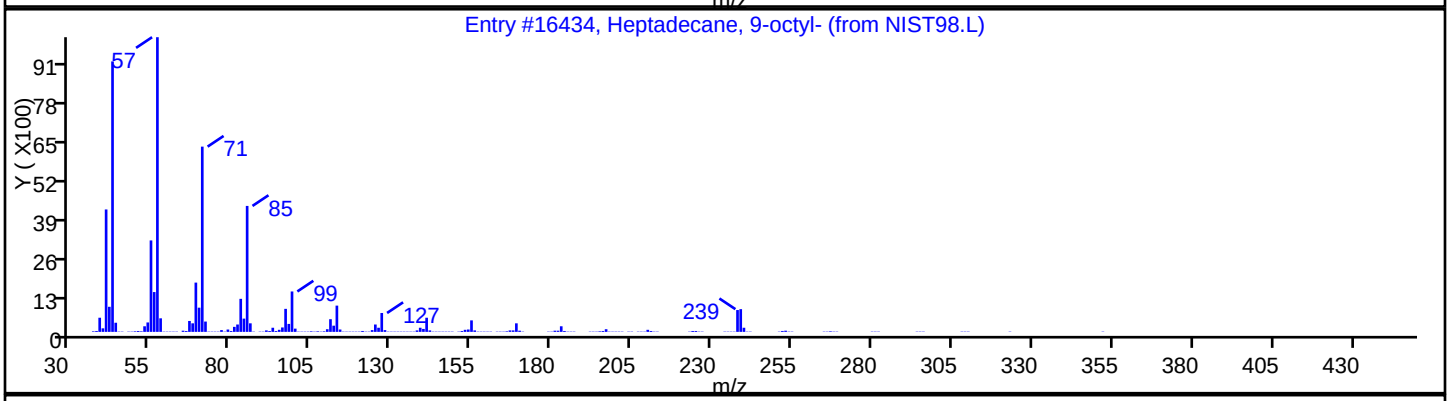
Report Date: 09-Mar-2013 09:54:14 Chrom Revision: 2.0 01-Feb-2013 10:03:10

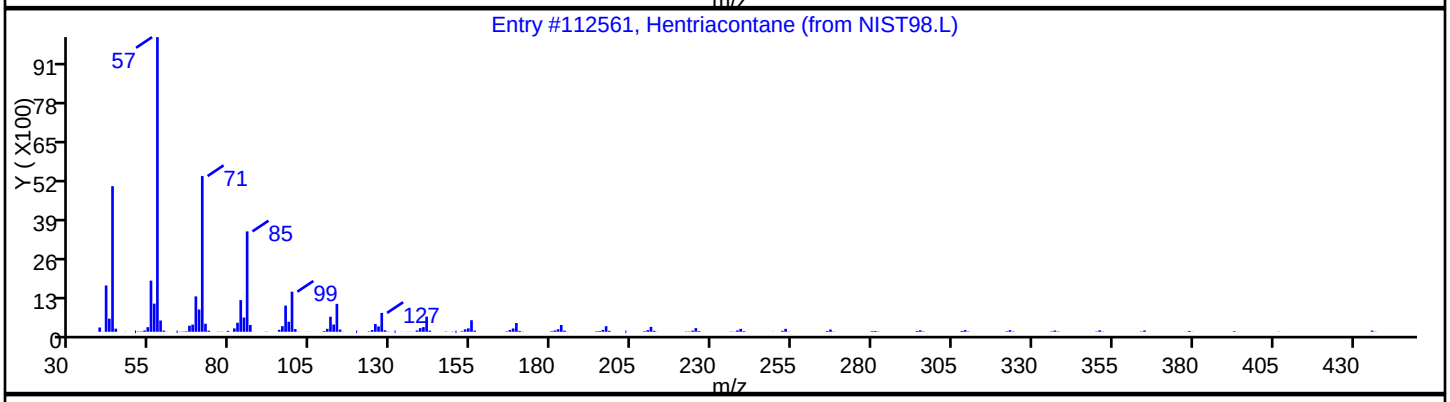
TestAmerica Buffalo

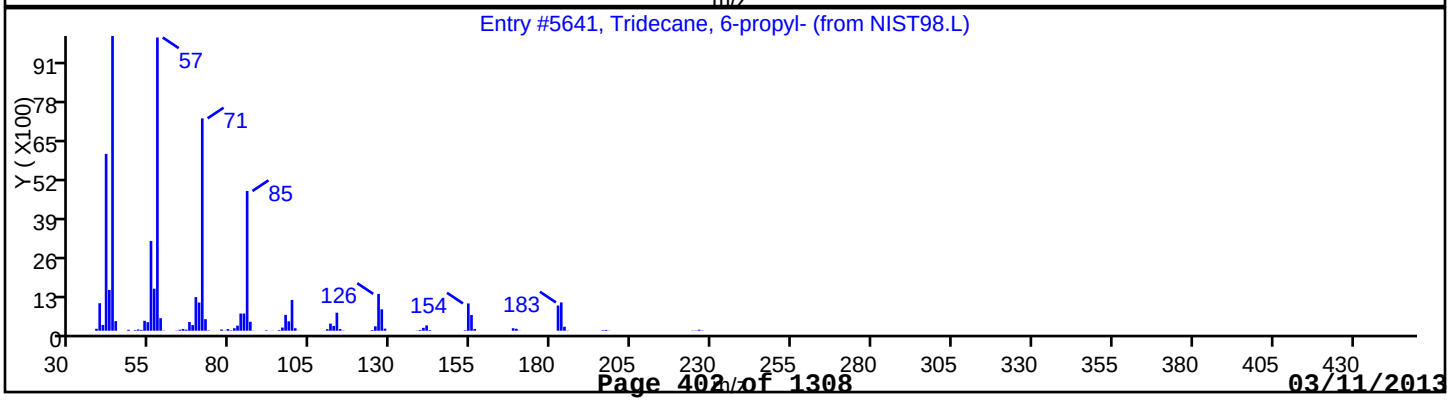
Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3195.D		
Injection Date:	20-Dec-2012 12:17:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-520-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	6
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Heptadecane, 9-octyl-	7225-64-1	NIST98.L	16434	94
Hentriacontane	630-4-6	NIST98.L	112561	93
Tridecane, 6-propyl-	55045-10-8	NIST98.L	5641	91







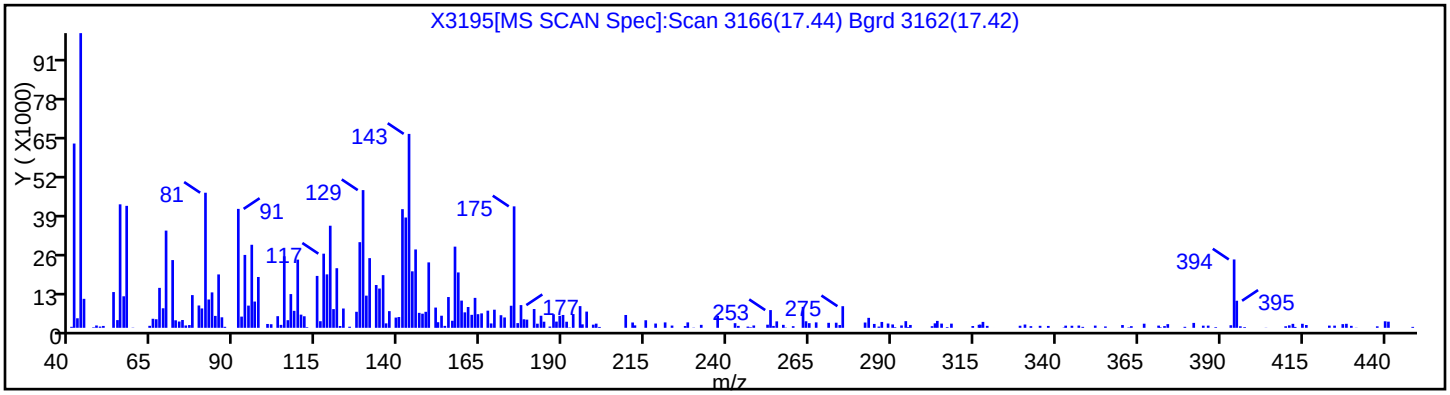


Report Date: 09-Mar-2013 09:54:14 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3195.D		
Injection Date:	20-Dec-2012 12:17:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-520-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	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

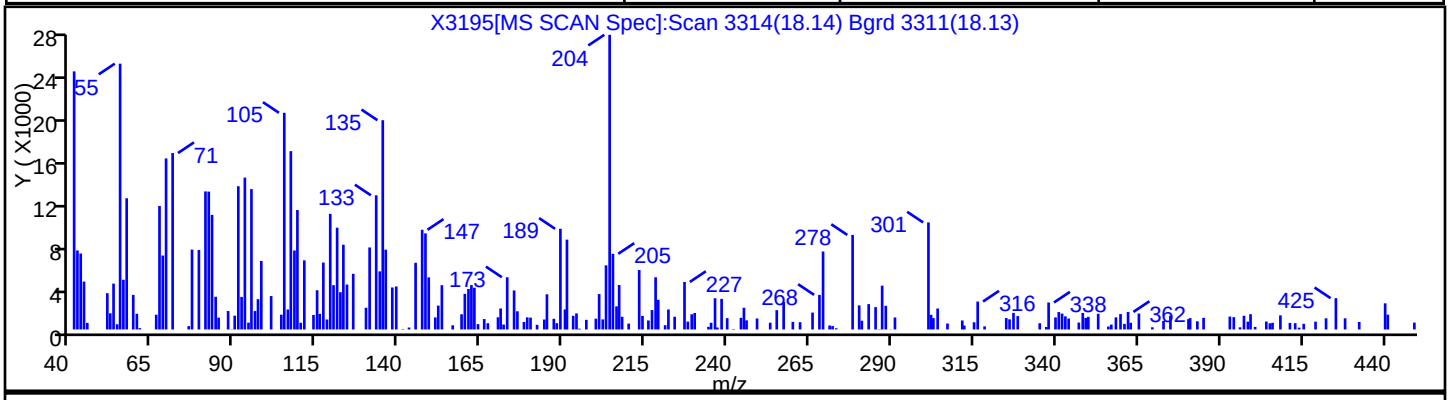


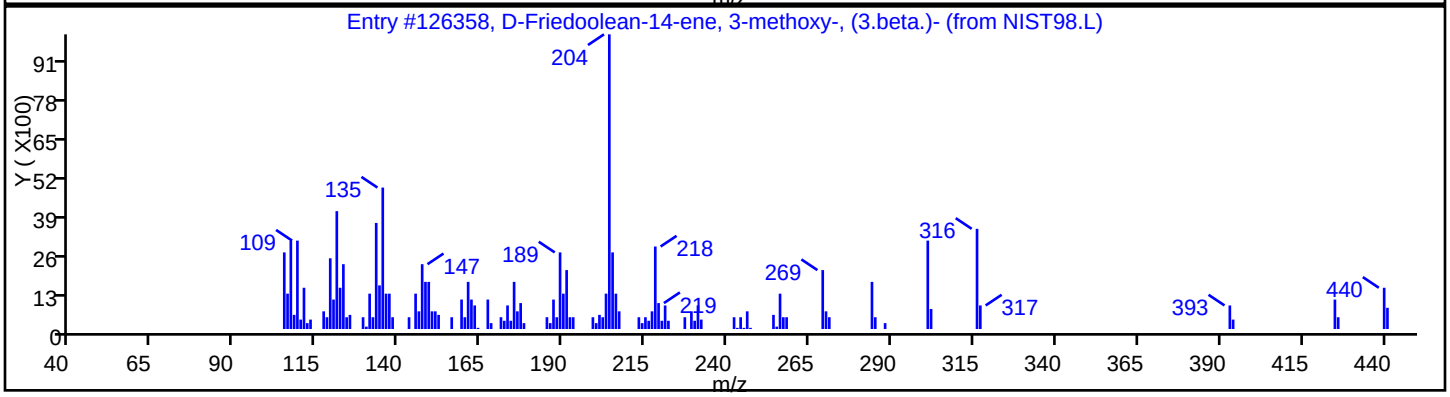
Report Date: 09-Mar-2013 09:54:14 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3195.D		
Injection Date:	20-Dec-2012 12:17:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-520-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	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
D-Friedoolean-14-ene, 3-methoxy-, (3.bet	14021-23-9	NIST98.L	126358	94



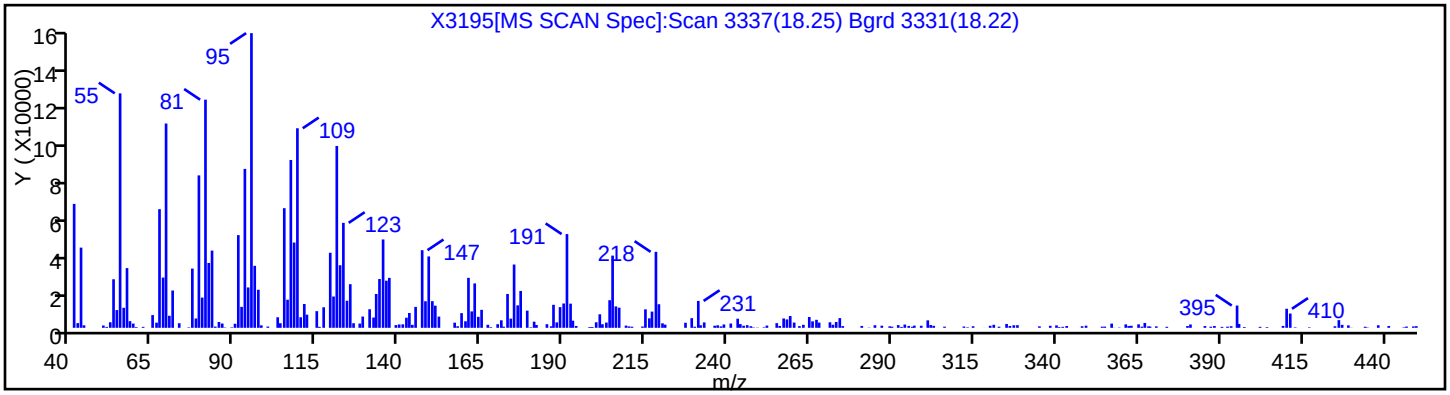


Report Date: 09-Mar-2013 09:54:14 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3195.D		
Injection Date:	20-Dec-2012 12:17:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-520-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	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

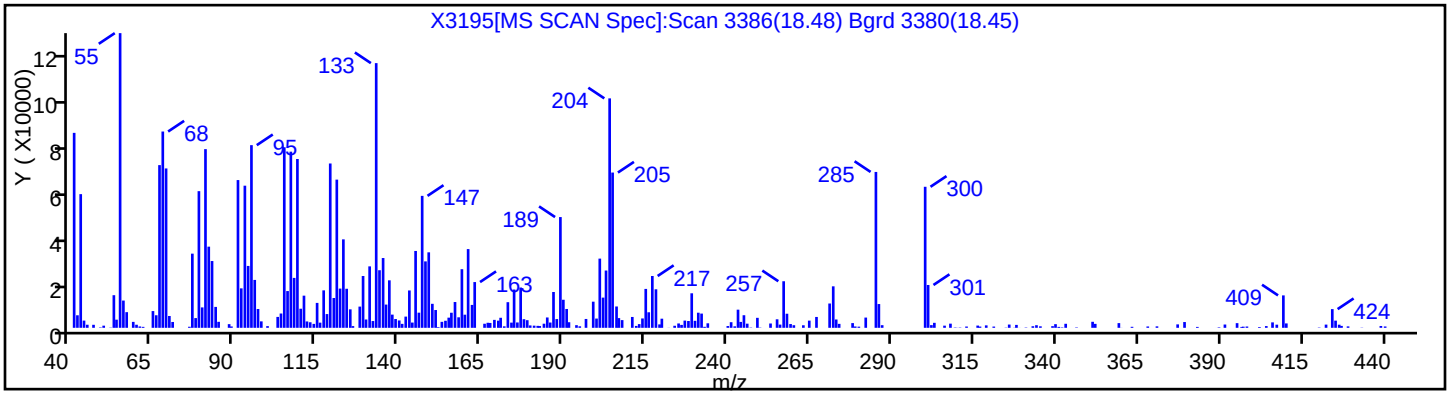


Report Date: 09-Mar-2013 09:54:14 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3195.D		
Injection Date:	20-Dec-2012 12:17:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-520-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	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 I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30197-1

SDG No.:

Client Sample ID: OC-SB-520-8.0/10-XXX | Lab Sample ID: 480-30197-5

Matrix: Solid | Lab File ID: X3196.D

Analysis Method: 8270D | Date Collected: 12/13/2012 08:40

Extract. Method: 3546 | Date Extracted: 12/18/2012 08:12

Sample wt/vol: 000030.4(g) | Date Analyzed: 12/20/2012 12:43

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 6.1 | 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		180	70
95-95-4	2,4,5-Trichlorophenol	ND		35	12
62-53-3	Aniline	ND		35	11
67-72-1	Hexachloroethane	ND		35	11
131-11-3	Dimethyl phthalate	ND		35	11
105-67-9	2,4-Dimethylphenol	ND	*	35	11
78-59-1	Isophorone	ND		35	11
86-73-7	Fluorene	ND		35	11
132-64-9	Dibenzofuran	ND		35	11
208-96-8	Acenaphthylene	ND		35	11
120-83-2	2,4-Dichlorophenol	ND		35	11
191-24-2	Benzo[g,h,i]perylene	ND		35	11
118-74-1	Hexachlorobenzene	ND		35	11
117-84-0	Di-n-octyl phthalate	ND		35	11
87-68-3	Hexachlorobutadiene	ND		35	11
85-01-8	Phenanthrene	ND		35	11
88-75-5	2-Nitrophenol	ND	*	35	14
207-08-9	Benzo[k]fluoranthene	ND		35	18
51-28-5	2,4-Dinitrophenol	ND	*	35	28
120-12-7	Anthracene	ND		35	11
91-57-6	2-Methylnaphthalene	ND		35	11
84-74-2	Di-n-butyl phthalate	ND		180	53
120-82-1	1,2,4-Trichlorobenzene	ND		35	11
129-00-0	Pyrene	ND		35	11
121-14-2	2,4-Dinitrotoluene	ND		35	11
53-70-3	Dibenz(a,h)anthracene	ND		35	11
541-73-1	1,3-Dichlorobenzene	ND		35	11
98-95-3	Nitrobenzene	ND		35	11
91-20-3	Naphthalene	ND		35	11
88-06-2	2,4,6-Trichlorophenol	ND		35	15
87-86-5	Pentachlorophenol	ND		35	11
206-44-0	Fluoranthene	ND		35	11
91-94-1	3,3'-Dichlorobenzidine	ND		70	13
101-55-3	4-Bromophenyl phenyl ether	ND		35	11

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30197-1

SDG No.:

Client Sample ID: OC-SB-520-8.0/10-XXX | Lab Sample ID: 480-30197-5

Matrix: Solid | Lab File ID: X3196.D

Analysis Method: 8270D | Date Collected: 12/13/2012 08:40

Extract. Method: 3546 | Date Extracted: 12/18/2012 08:12

Sample wt/vol: 000030.4(g) | Date Analyzed: 12/20/2012 12:43

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 6.1 | 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		35	12
95-48-7	2-Methylphenol	ND		35	11
95-50-1	1,2-Dichlorobenzene	ND		35	11
108-60-1	2,2'-oxybis[1-chloropropane]	ND		35	11
98-86-2	Acetophenone	ND		35	11
111-44-4	Bis(2-chloroethyl)ether	ND		35	11
56-55-3	Benzo[a]anthracene	ND		35	11
193-39-5	Indeno[1,2,3-cd]pyrene	ND		35	11
85-68-7	Butyl benzyl phthalate	ND		35	11
218-01-9	Chrysene	ND		35	11
83-32-9	Acenaphthene	ND		35	11
205-99-2	Benzo[b]fluoranthene	ND		35	11
100-02-7	4-Nitrophenol	ND	*	180	15
106-47-8	4-Chloroaniline	ND	*	70	32
95-57-8	2-Chlorophenol	ND		35	11
606-20-2	2,6-Dinitrotoluene	ND	*	35	29
108-95-2	Phenol	ND		35	11
15831-10-4	3 & 4 Methylphenol	ND		35	11
106-46-7	1,4-Dichlorobenzene	ND		35	11
111-91-1	Bis(2-chloroethoxy)methane	ND		35	11
91-58-7	2-Chloronaphthalene	ND		35	11
621-64-7	N-Nitrosodi-n-propylamine	ND		35	11
7005-72-3	4-Chlorophenyl phenyl ether	ND		35	11
59-50-7	4-Chloro-3-methylphenol	ND		70	11
50-32-8	Benzo[a]pyrene	ND		35	11
106-44-5	4-Methylphenol	ND		35	11
100-01-6	4-Nitroaniline	ND		180	29
88-74-4	2-Nitroaniline	ND		180	44
105-60-2	Caprolactam	ND		35	11
86-74-8	Carbazole	ND		35	11
534-52-1	4,6-Dinitro-2-methylphenol	ND		180	34
90-12-0	1-Methylnaphthalene	ND		35	11
86-30-6	N-Nitrosodiphenylamine	31	J	35	11
1912-24-9	Atrazine	ND		35	11

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30197-1

SDG No.:

Client Sample ID: OC-SB-520-8.0/10-XXX | Lab Sample ID: 480-30197-5

Matrix: Solid | Lab File ID: X3196.D

Analysis Method: 8270D | Date Collected: 12/13/2012 08:40

Extract. Method: 3546 | Date Extracted: 12/18/2012 08:12

Sample wt/vol: 000030.4(g) | Date Analyzed: 12/20/2012 12:43

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 6.1 | 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	43		35	11
100-52-7	Benzaldehyde	ND		35	11
103-33-3	Azobenzene	ND		35	11
77-47-4	Hexachlorocyclopentadiene	ND		70	11
99-09-2	3-Nitroaniline	ND		180	11
62-75-9	N-Nitrosodimethylamine	ND		35	11
100-51-6	Benzyl alcohol	ND		70	11
92-52-4	1,1'-Biphenyl	ND		35	11
58-90-2	2,3,4,6-Tetrachlorophenol	ND		35	11
119-61-9	Benzophenone	ND		35	11
65-85-0	Benzoic acid	ND		180	16
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		35	11

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	113		30-130
367-12-4	2-Fluorophenol	67		30-130
4165-60-0	Nitrobenzene-d5	70		30-130
4165-62-2	Phenol-d5	73		30-130
321-60-8	2-Fluorobiphenyl	84		30-130
1718-51-0	p-Terphenyl-d14	93		30-130

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

Lab Name: TestAmerica Buffalo
Job No.: 480-30197-1
SDG No.:
Client Sample ID: OC-SB-520-8.0/10-XXX
Lab Sample ID: 480-30197-5
Matrix: Solid
Lab File ID: X3196.D
Analysis Method: 8270D
Date Collected: 12/13/2012 08:40
Extract. Method: 3546
Date Extracted: 12/18/2012 08:12
Sample wt/vol: 000030.4(g)
Date Analyzed: 12/20/2012 12:43
Con. Extract Vol.: 1(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
Level: (low/med) Low
% Moisture: 6.1
GPC Cleanup:(Y/N) N
Analysis Batch No.: 96803
Units: ug/Kg
Number TICs Found: 10
TIC Result Total: 4919

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	3.84	39	T J
	Unknown	4.20	4100	T J
	Unknown	4.22	40	T J
	Unknown	4.64	39	T J
	Unknown	13.77	33	T J
57684-12-5	3(4H)-Phenanthrenone, 4a,4b,5,6,7,8,8a,9	15.34	480	T J N
	Unknown	16.13	44	T J
	Unknown	16.40	32	T J
629-99-2	Pentacosane	16.67	58	T J N
	Unknown	16.97	54	T J

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3196.D		
Lims ID:	480-30197-A-5-A	Client ID:	OC-SB-520-8.0/10-XXX
Inject. Date:	20-Dec-2012 12:43:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-0017736-007		
Misc. Info.:			
Operator:	ANM	Instrument ID:	HP5973X
Injection Vol:	1.0 ul	ALS Bottle#:	8
Lims Batch ID:	96803	Lims Sample ID:	7
Detector:	MS SCAN		

Method:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X-8270LL.m		
Last Update:	09-Mar-2013 09:54:39	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 13:11:11

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	90	225428	5.00	
* 2 Naphthalene-d8	136	8.444	8.439	0.005	97	832724	5.00	
* 3 Acenaphthene-d10	164	11.097	11.064	0.033	89	505845	5.00	
* 4 Phenanthrene-d10	188	13.109	13.080	0.029	93	679401	5.00	
* 5 Chrysene-d12	240	15.748	15.734	0.014	96	459960	5.00	
* 6 Perylene-d12	264	17.023	17.013	0.010	97	541090	5.00	
$ 7 2-Fluorophenol	112	4.677	4.682	-0.005	42	68544	1.34	
$ 8 Phenol-d5	99	6.095	6.090	0.004	86	91344	1.47	M
$ 9 Nitrobenzene-d5	82	7.398	7.393	0.005	71	87805	1.41	M
$ 10 2-Fluorobiphenyl	172	10.108	10.075	0.033	92	212910	1.68	
$ 11 2,4,6-Tribromophenol	330	12.282	12.229	0.053	0	28279	2.26	M
$ 12 p-Terphenyl-d14	244	14.778	14.759	0.019	79	164875	1.86	
19 N-Nitrosodimethylamine	42		2.766					
21 Benzaldehyde	77		5.938					
23 Aniline	93		6.104					
22 Phenol	94		6.109					9
24 Bis(2-chloroethyl)ether	93	6.123	6.204	-0.081	1	314	0.005808	
25 2-Chlorophenol	128		6.270					19
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					9
33 Acetophenone	105		7.174					
35 DFTPP								
34 N-Nitrosodi-n-propylamine	70		7.183					149
36 4-Methylphenol	108		7.231					
37 Hexachloroethane	117		7.298					19
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					
44 Benzoic acid	105		8.177					19
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					9
57 1-Methylnaphthalene	142	9.566	9.656	-0.090	1	169	0.001419	
58 Hexachlorocyclopentadiene	237		9.742					
60 2,4,6-Trichlorophenol	196		9.970					
61 2,4,5-Trichlorophenol	196		10.056					
62 1,1'-Biphenyl	154	10.270	10.218	0.052	29	1610	0.0110	
63 2-Chloronaphthalene	162		10.265					9
64 Phenyl ether	170	10.417	10.384	0.033	89	96693	1.22	
65 2-Nitroaniline	65		10.436					1
67 Dimethyl phthalate	163		10.722					9
68 2,6-Dinitrotoluene	165		10.807					14
69 Acenaphthylene	152		10.850					
70 3-Nitroaniline	138		11.069					
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					1
75 4-Nitrophenol	109		11.454					149
76 2,3,4,6-Tetrachlorophenol	232		11.597					
78 Diethyl phthalate	149		11.777					9
79 Fluorene	166		11.882					
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	12.120	12.077	0.043	92	139682	0.8841	
16 1,2-Diphenylhydrazine	77		12.120					14
85 Azobenzene	77		12.120					
86 Benzophenone	105		12.144					14
89 4-Bromophenyl phenyl ether	248		12.548					
91 Hexachlorobenzene	284		12.610					
93 Atrazine	200		12.800					
94 Pentachlorophenol	266		12.885					9
97 Phenanthrene	178		13.109					9
98 Anthracene	178		13.171					
99 Carbazole	167		13.380					
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					
109 3,3'-Dichlorobenzidine	252		15.705					

Report Date: 09-Mar-2013 09:54:39 Chrom Revision: 2.0 01-Feb-2013 10:03:10
Data File: \\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3196.D

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
110 Bis(2-ethylhexyl) phthalate	149	15.715	15.710	0.005	90	85266	0.9088	
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					
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 120 3 & 4 Methylphenol	108		0.000					
59 1,2,4,5-Tetrachlorobenzene	216		9.761					

QC Flag Legend

Processing Flags
1 - Missing Peaks
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\X3196.D		
Lims ID:	480-30197-A-5-A	Client ID:	OC-SB-520-8.0/10-XXX
Inject. Date:	20-Dec-2012 12:43:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-0017736-007		
Misc. Info.:			
Operator:	ANM	Instrument ID:	HP5973X
Injection Vol:	1.0 ul	ALS Bottle#:	8
Lims Batch ID:	96803	Lims Sample ID:	7
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X-8270LL.m		
Last Update:	09-Mar-2013 09:54:39	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 13:11:11

Tentative Identified Compound Results

RT	Response	Amount ng/uL	Quant Cpnd	Qual	Lib Entry	Flags
		Unknown				
3.836	341767	1.12	1			
		Unknown				
4.197	35622690	116.9	1			
		Unknown				
4.216	348834	1.14	1			
		Unknown				
4.639	341838	1.12	1			
		Unknown				
13.765	358418	0.9443	4			
57684-12-5	3(4H)-Phenanthrenone, 4a,4b,5,6,7,8,8a,9					
15.335	3880907	13.7	5	90	49509	
		Unknown				
16.129	356437	1.26	5			
		Unknown				
16.395	290883	0.9173	6			
629-99-2	Pentacosane					
16.671	527597	1.66	6	89	17109	
		Unknown				
16.966	487196	1.54	6			

Quantitation Compounds

Compound	RT	Response	Amount ng/uL

Report Date: 09-Mar-2013 09:54:39 Chrom Revision: 2.0 01-Feb-2013 10:03:10
Data File: \\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3196.D

Compound	RT	Response	Amount ng/uL
* 1 1,4-Dichlorobenzene-d4	6.551	1524043	5.00
* 4 Phenanthrene-d10	13.109	1897769	5.00
* 5 Chrysene-d12	15.748	1413675	5.00
* 6 Perylene-d12	17.023	1585470	5.00

QC Flag Legend

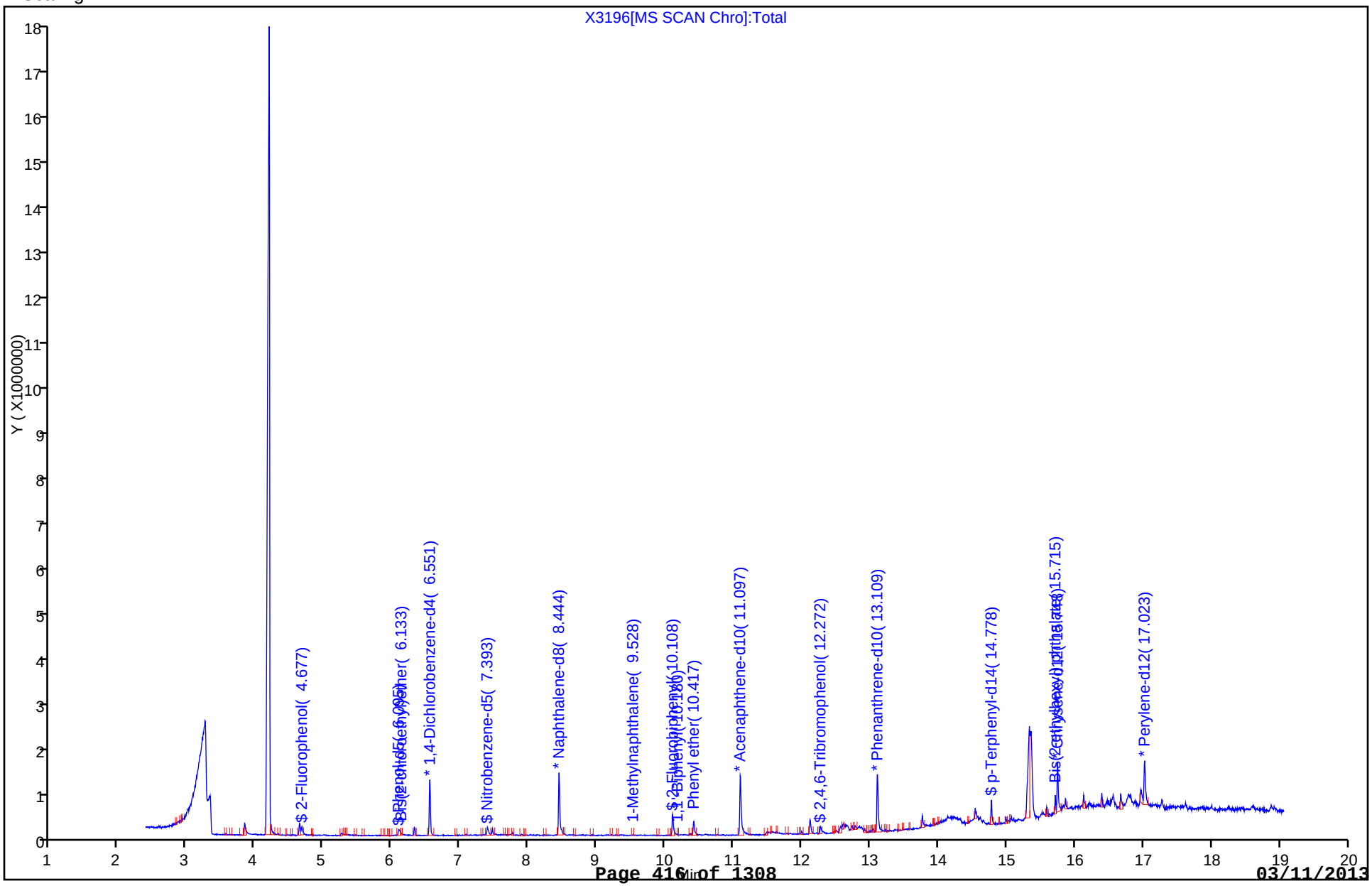
Processing Flags

Report Date: 09-Mar-2013 09:54:39 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3196.D		
Injection Date:	20-Dec-2012 12:43:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-520-8.0/10-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	7
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:

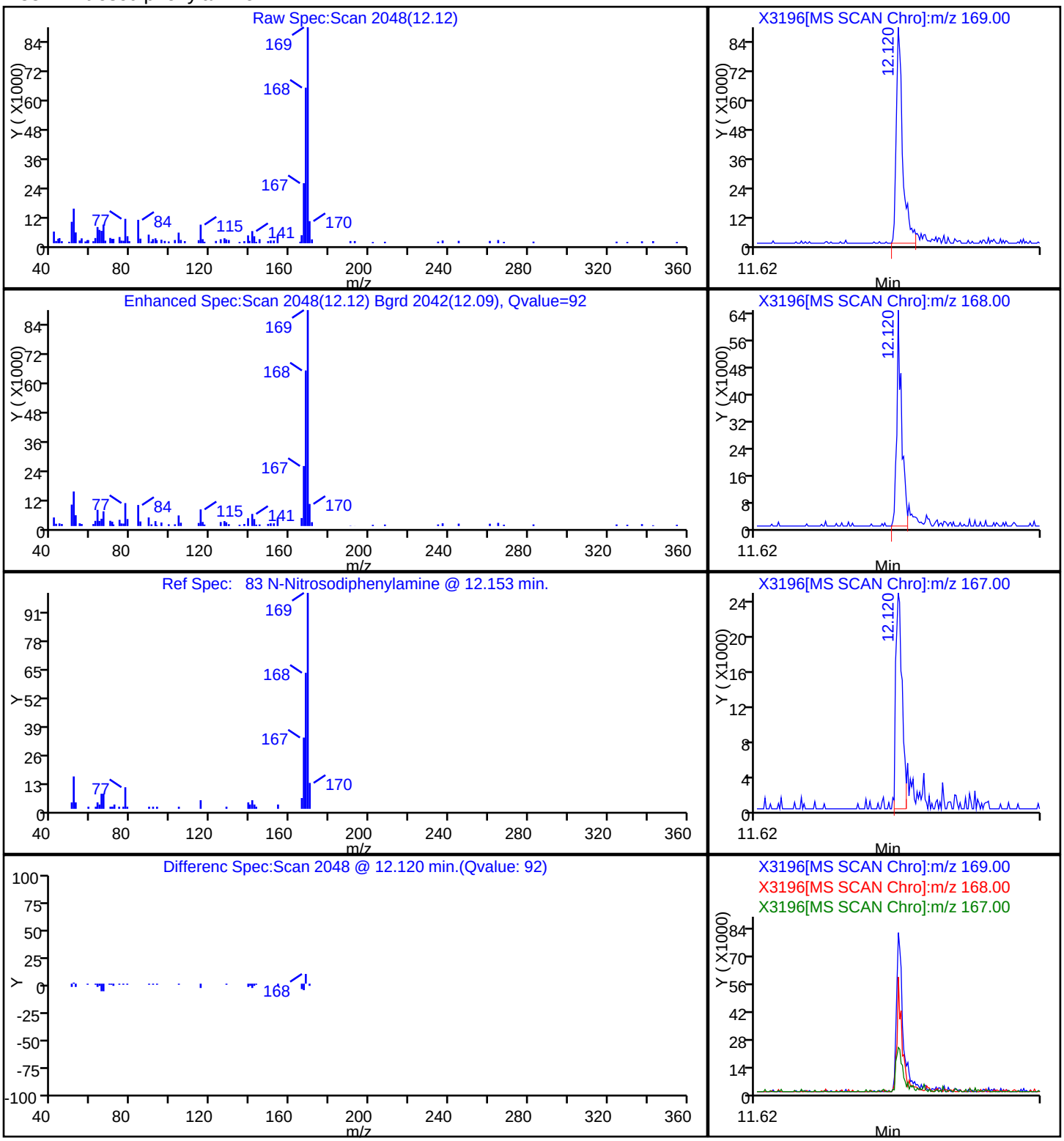


Report Date: 09-Mar-2013 09:54:40 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3196.D		
Injection Date:	20-Dec-2012 12:43:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-520-8.0/10-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	7
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

83 N-Nitrosodiphenylamine

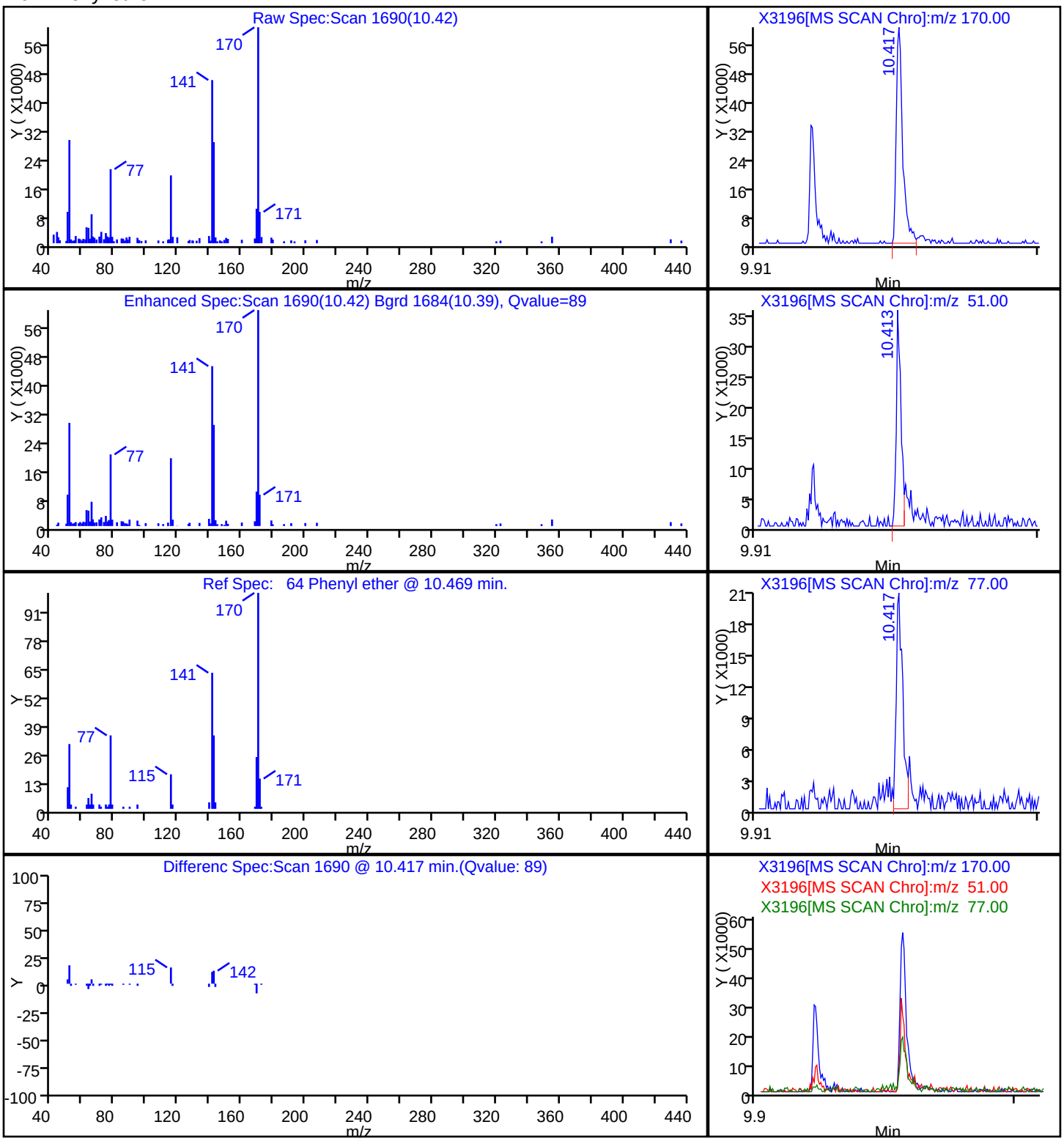


Report Date: 09-Mar-2013 09:54:39 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3196.D		
Injection Date:	20-Dec-2012 12:43:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-520-8.0/10-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	7
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

64 Phenyl ether



Manual Integration/User Assign Peak Report

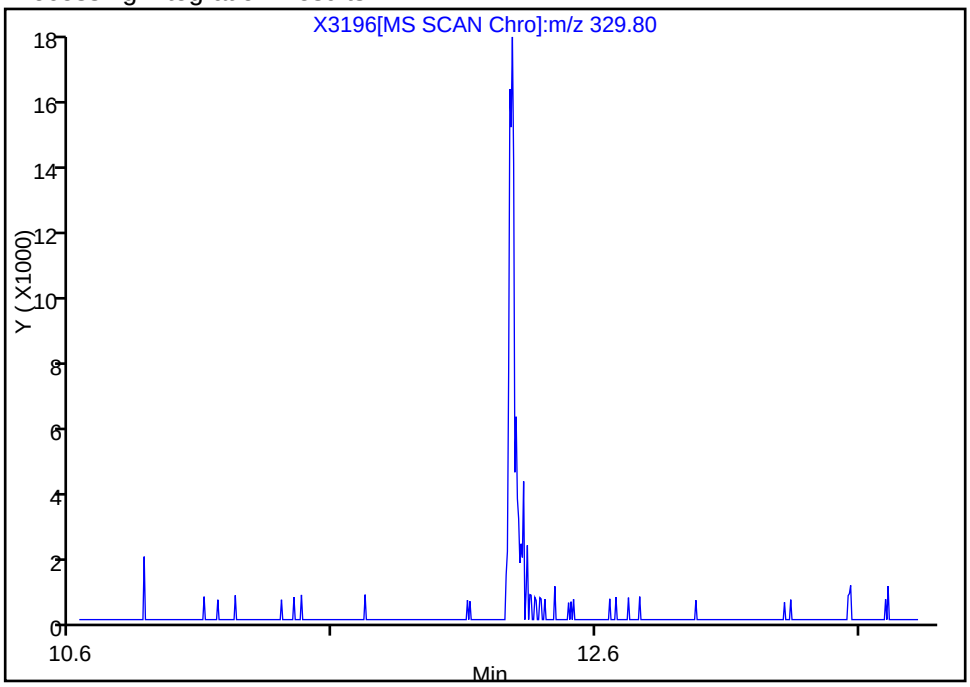
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3196.D		
Injection Date:	20-Dec-2012 12:43:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-520-8.0/10-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	7
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

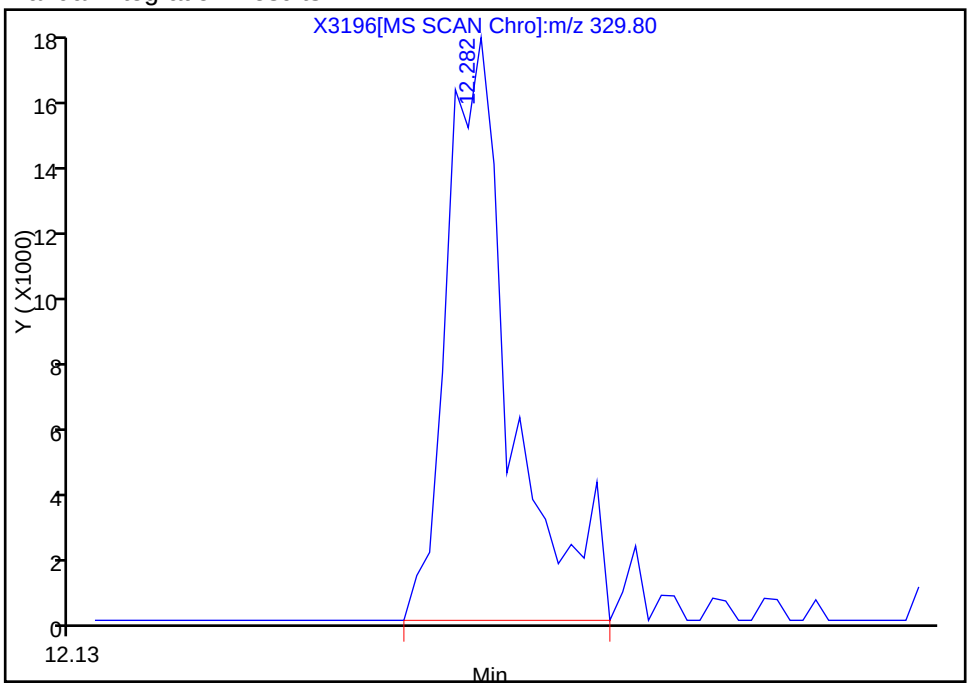
Processing Integration Results

Not Detected
Expected RT: 12.23



Manual Integration Results

RT: 12.28
Response: 28279
Amount: 2.262627



Reviewer: mckernar, 20-Dec-2012 13:11:11
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

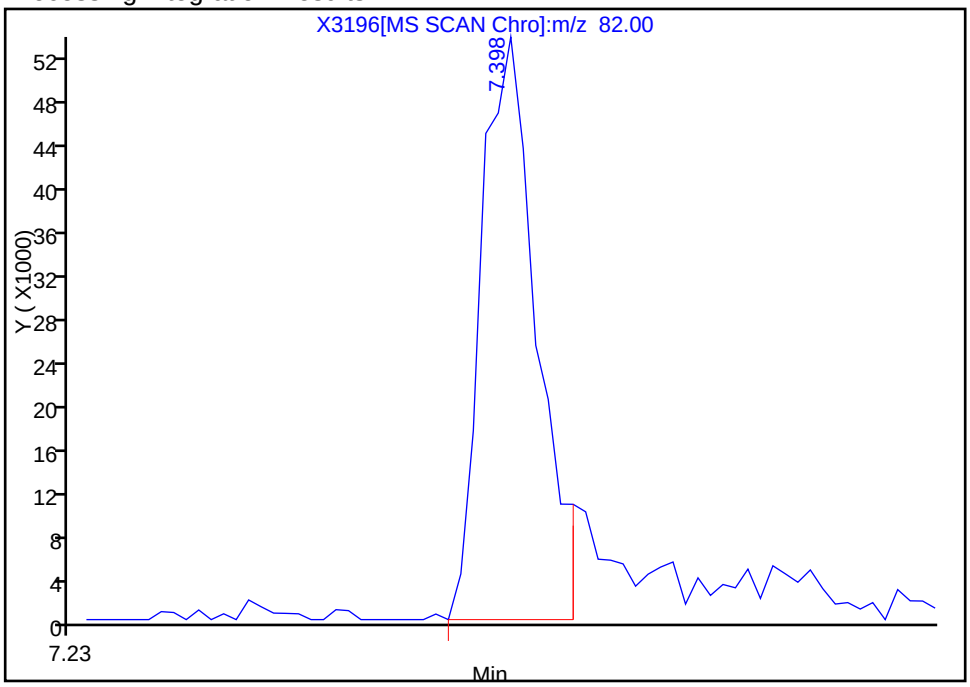
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3196.D		
Injection Date:	20-Dec-2012 12:43:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-520-8.0/10-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	7
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

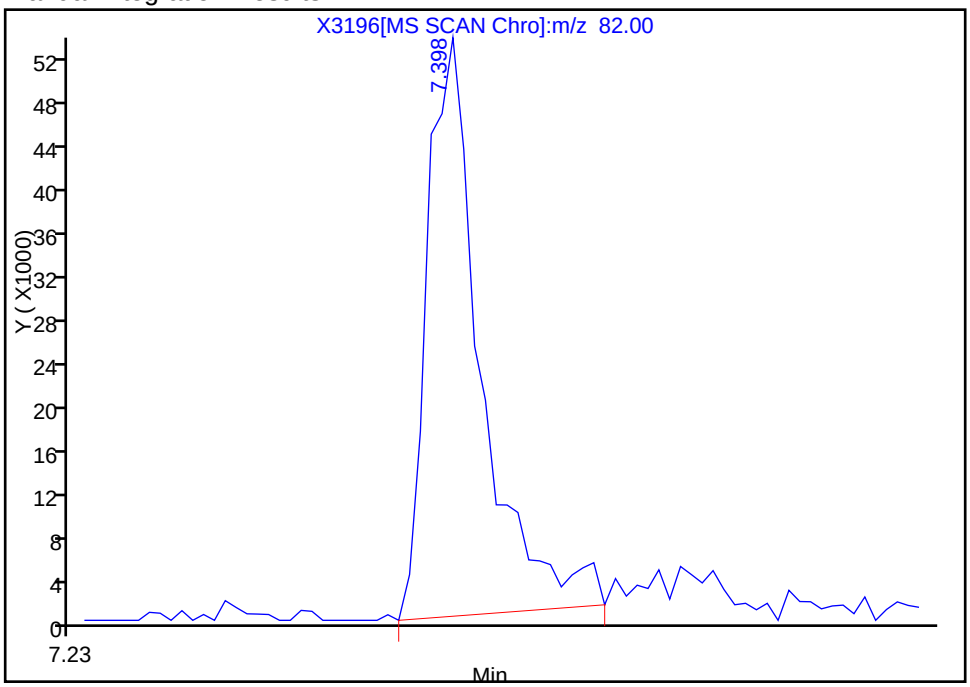
Processing Integration Results

RT: 7.40
Response: 79071
Amount: 1.183002



Manual Integration Results

RT: 7.40
Response: 87805
Amount: 1.406370



Reviewer: mckernar, 20-Dec-2012 13:11:11
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

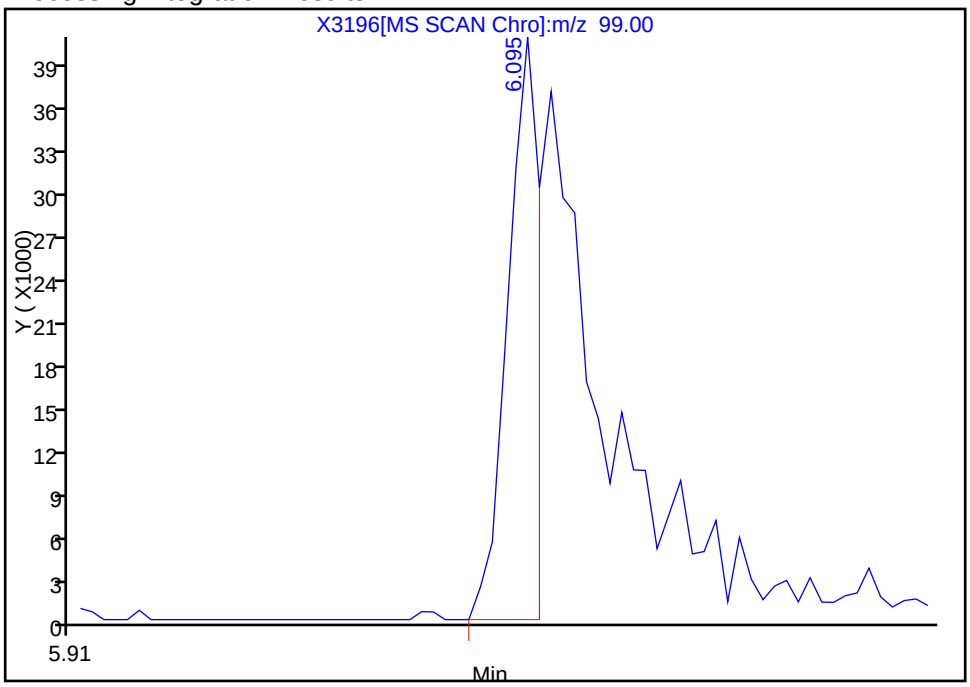
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3196.D		
Injection Date:	20-Dec-2012 12:43:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-520-8.0/10-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	7
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

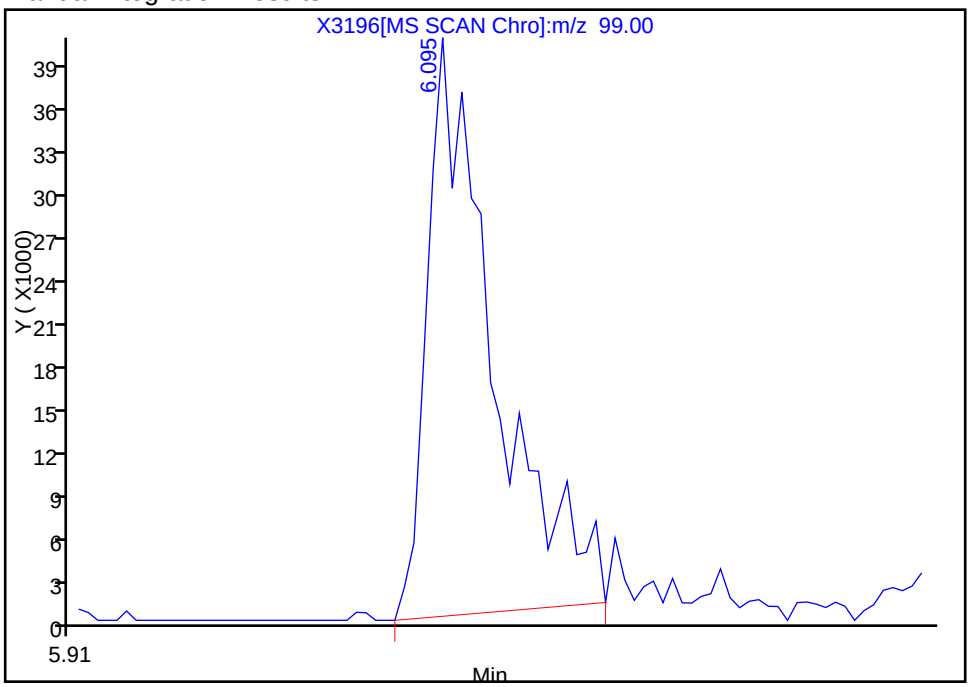
Processing Integration Results

RT: 6.09
Response: 36159
Amount: 0.521328



Manual Integration Results

RT: 6.09
Response: 91344
Amount: 1.467094



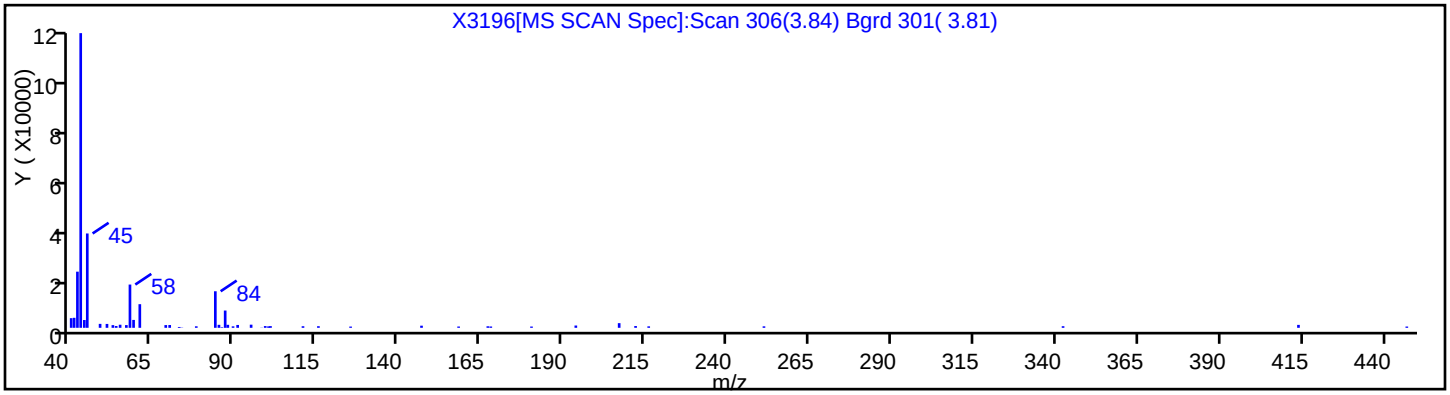
Reviewer: mckernar, 20-Dec-2012 13:11:11
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 09-Mar-2013 09:54:40 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3196.D		
Injection Date:	20-Dec-2012 12:43:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-520-8.0/10-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	7
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

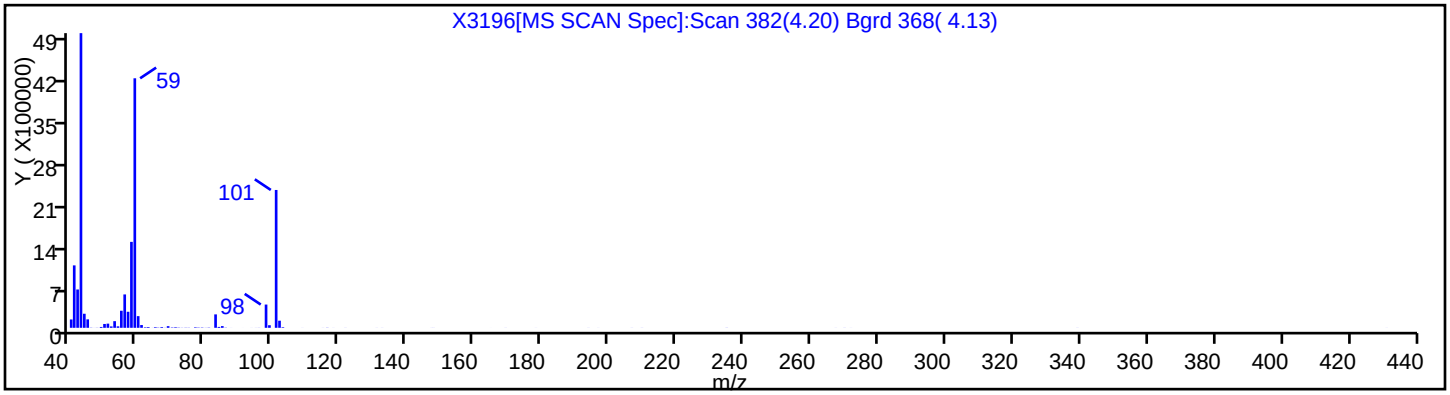


Report Date: 09-Mar-2013 09:54:40 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3196.D		
Injection Date:	20-Dec-2012 12:43:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-520-8.0/10-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	7
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

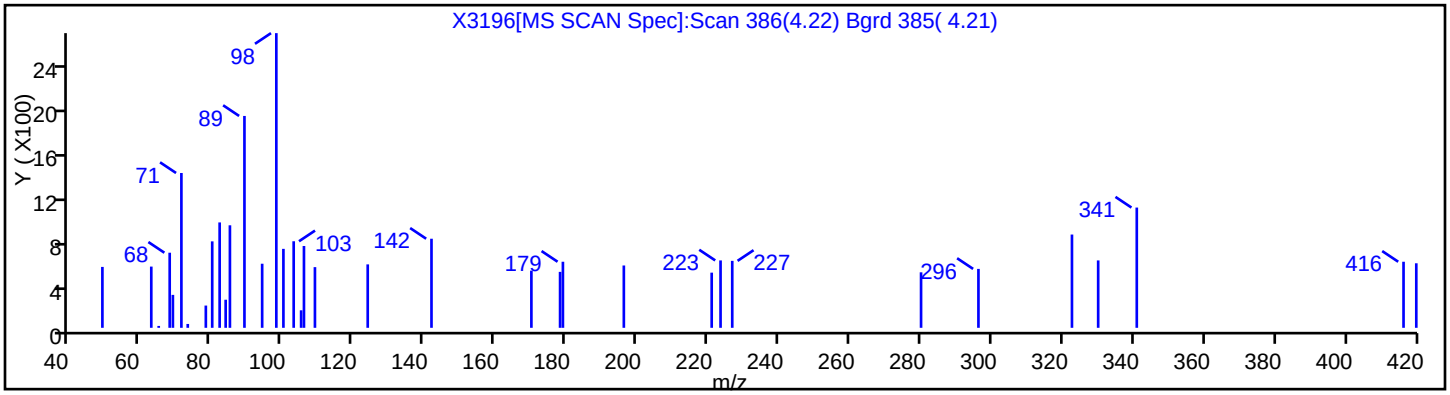


Report Date: 09-Mar-2013 09:54:40 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3196.D		
Injection Date:	20-Dec-2012 12:43:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-520-8.0/10-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	7
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

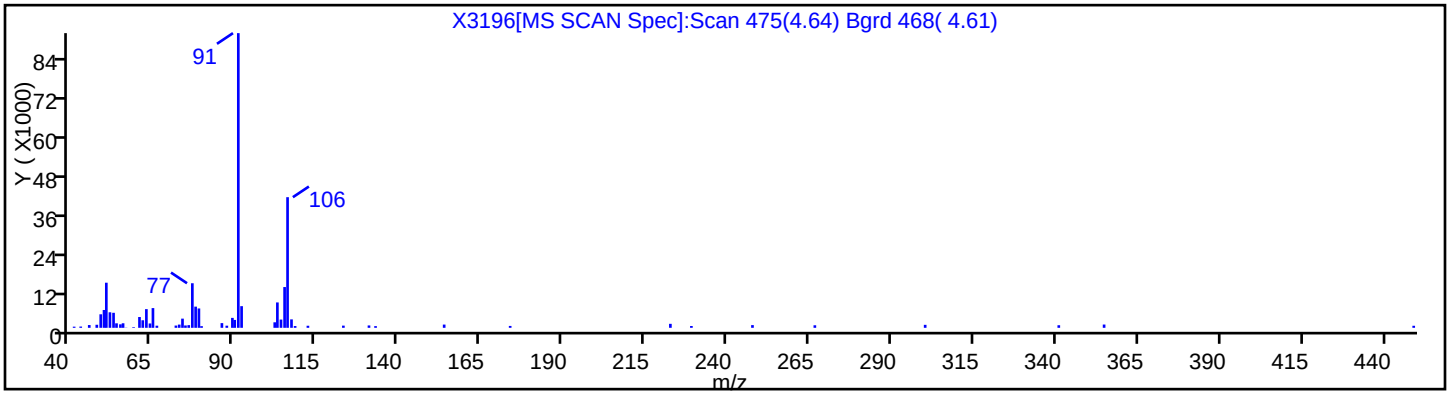


Report Date: 09-Mar-2013 09:54:40 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3196.D		
Injection Date:	20-Dec-2012 12:43:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-520-8.0/10-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	7
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

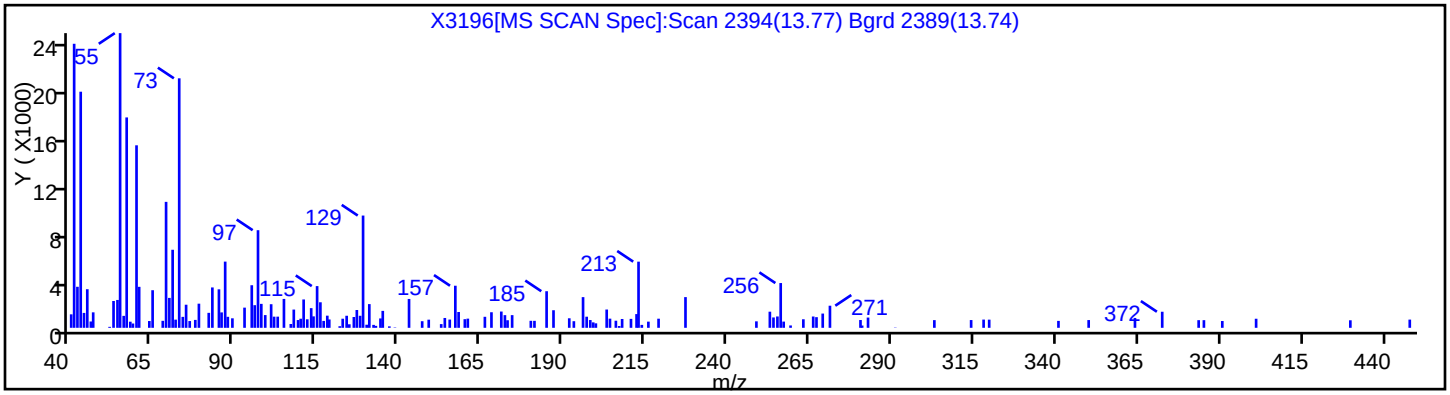


Report Date: 09-Mar-2013 09:54:40 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3196.D		
Injection Date:	20-Dec-2012 12:43:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-520-8.0/10-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	7
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

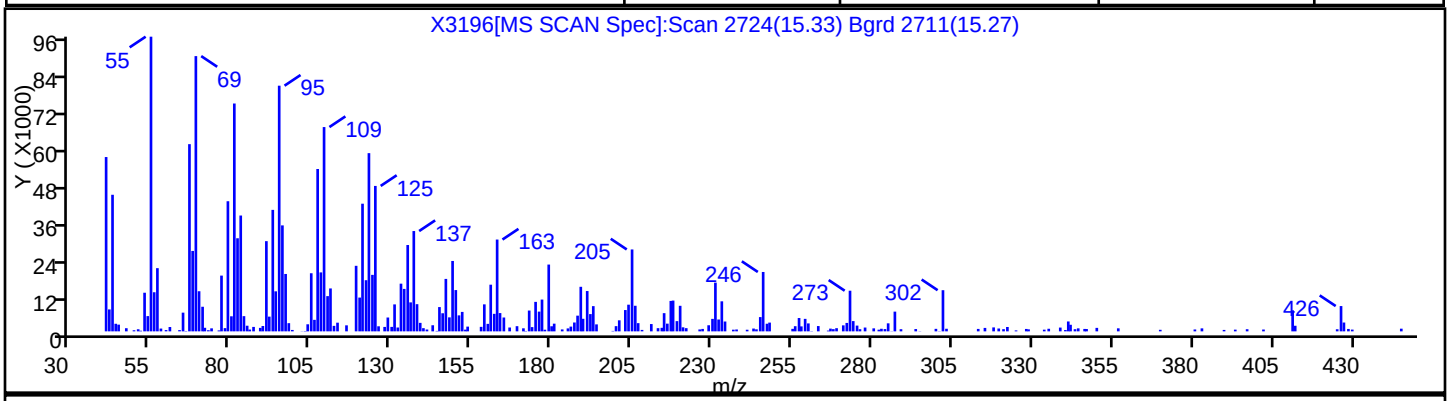


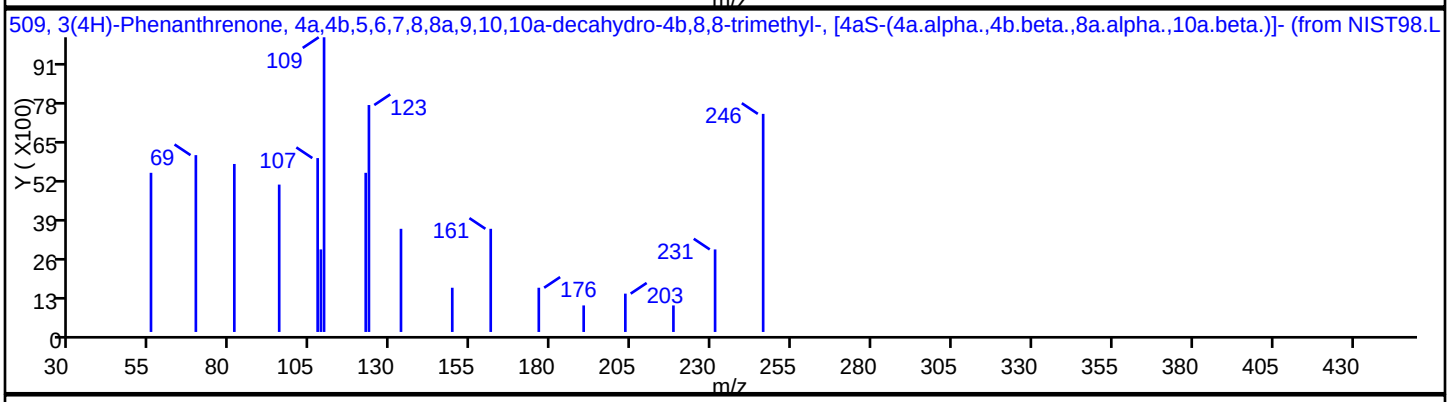
Report Date: 09-Mar-2013 09:54:40 Chrom Revision: 2.0 01-Feb-2013 10:03:10

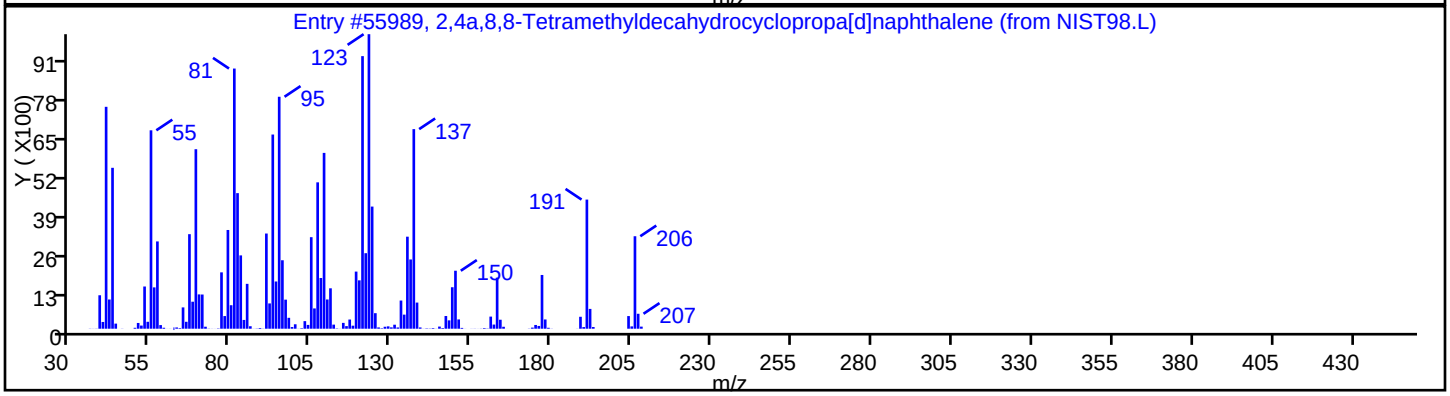
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3196.D		
Injection Date:	20-Dec-2012 12:43:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-520-8.0/10-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	7
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
3(4H)-Phenanthrenone, 4a,4b,5,6,7,8,8a,9	57684-12-5	NIST98.L	49509	90
2,4a,8,8-Tetramethyldecahydrocyclopropa[	74022-4-1	NIST98.L	55989	89





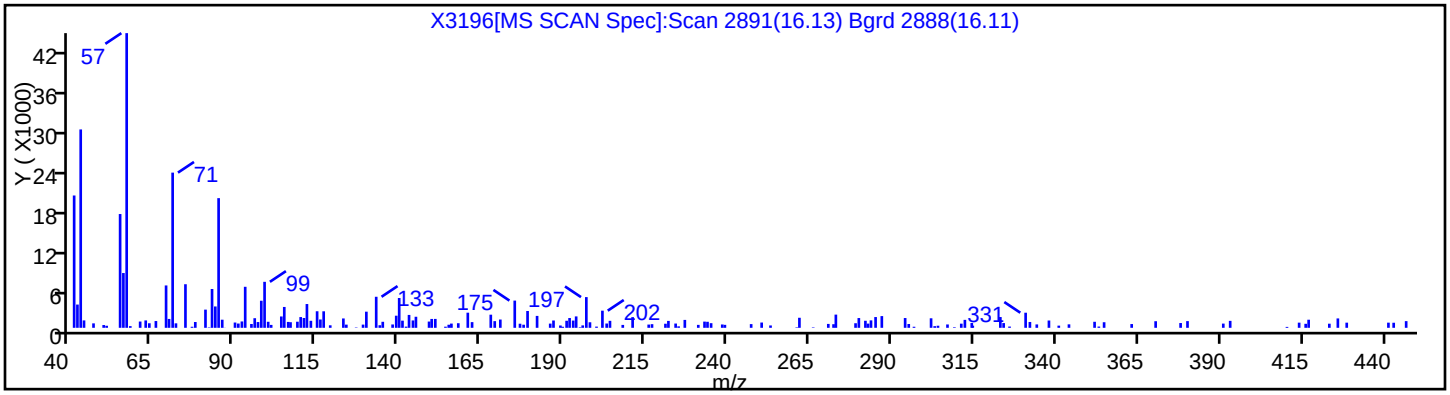


Report Date: 09-Mar-2013 09:54:40 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3196.D		
Injection Date:	20-Dec-2012 12:43:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-520-8.0/10-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	7
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

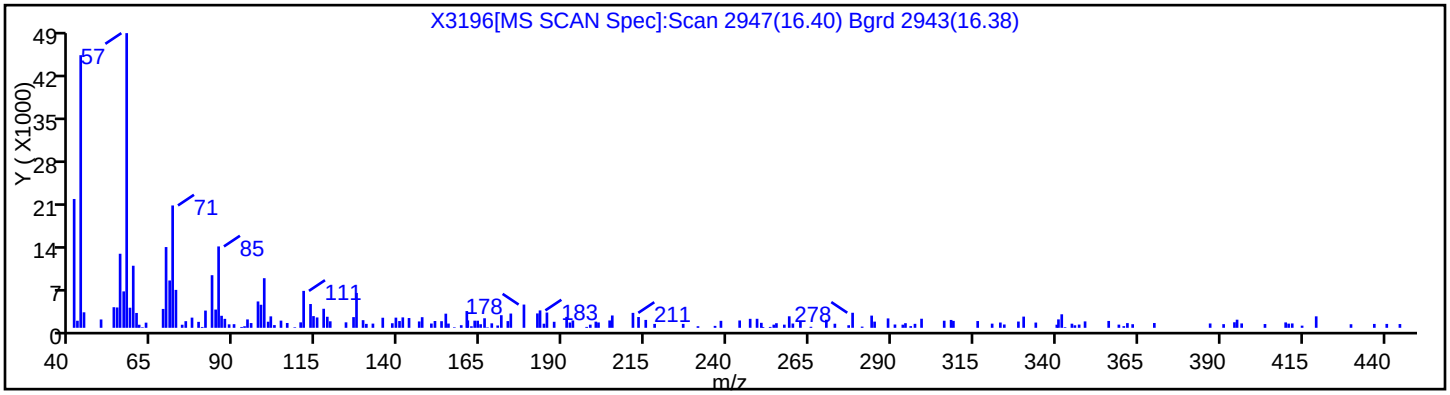


Report Date: 09-Mar-2013 09:54:40 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3196.D		
Injection Date:	20-Dec-2012 12:43:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-520-8.0/10-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	7
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

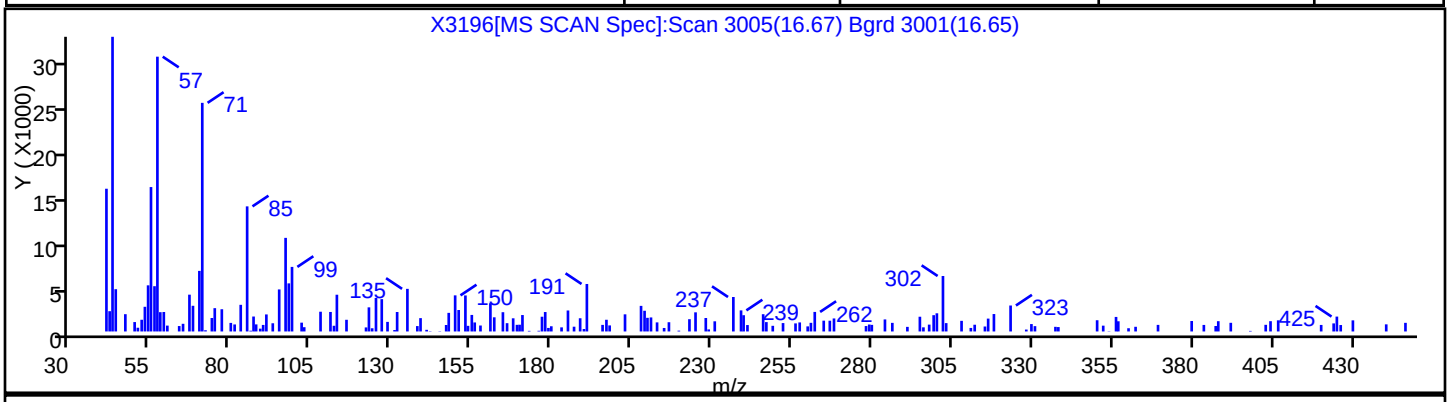


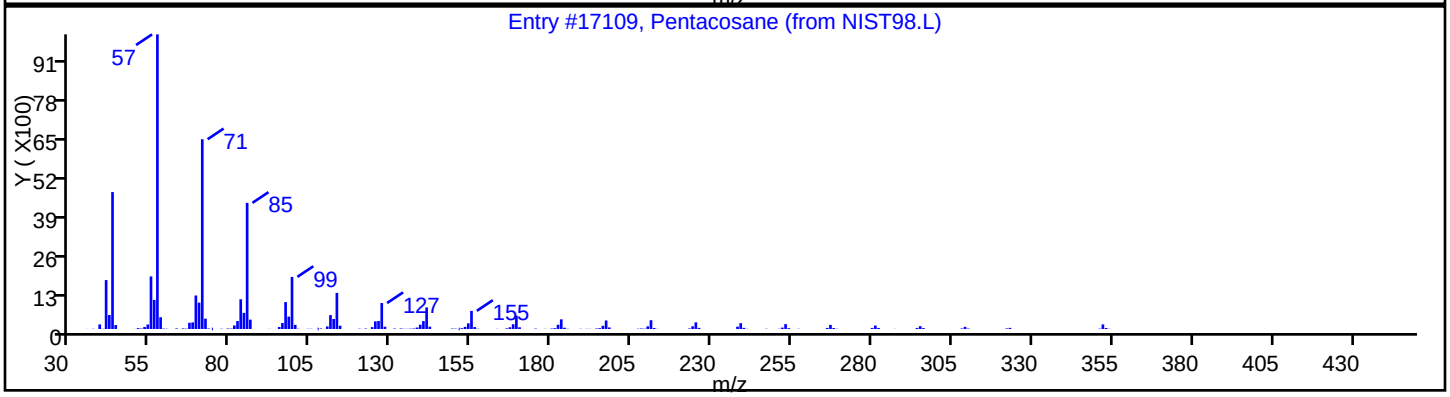
Report Date: 09-Mar-2013 09:54:40 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3196.D		
Injection Date:	20-Dec-2012 12:43:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-520-8.0/10-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	7
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
Pentacosane	629-99-2	NIST98.L	17109	89



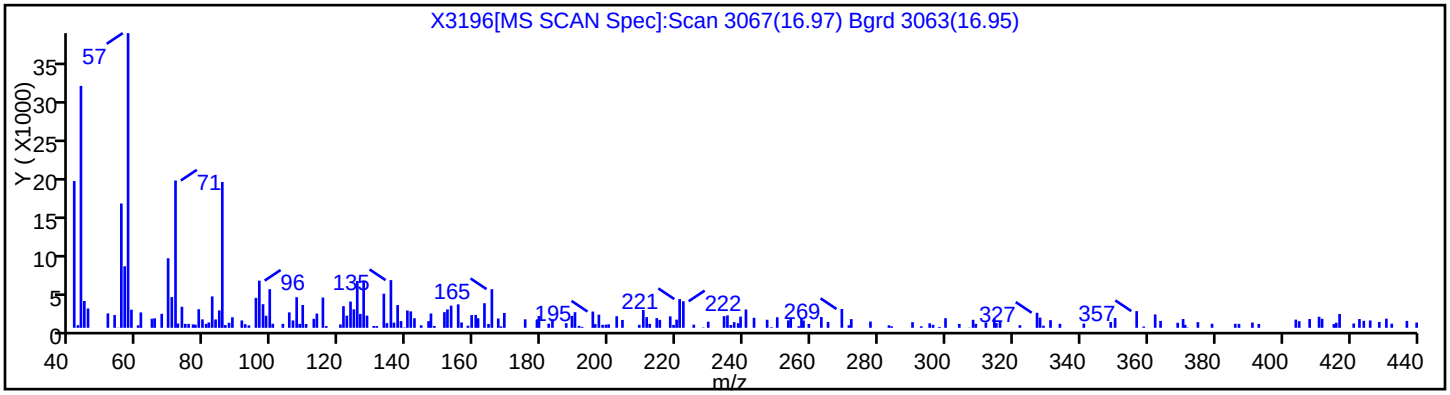


Report Date: 09-Mar-2013 09:54:40 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3196.D		
Injection Date:	20-Dec-2012 12:43:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-520-8.0/10-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	7
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.: 480-30197-1

SDG No.:

Client Sample ID: OC-SB-520-18/20-XXX | Lab Sample ID: 480-30197-6

Matrix: Solid | Lab File ID: X3197.D

Analysis Method: 8270D | Date Collected: 12/13/2012 08:50

Extract. Method: 3546 | Date Extracted: 12/18/2012 08:12

Sample wt/vol: 000030.5(g) | Date Analyzed: 12/20/2012 13:08

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 7.4 | 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		180	71
95-95-4	2,4,5-Trichlorophenol	ND		35	12
62-53-3	Aniline	ND		35	11
67-72-1	Hexachloroethane	ND		35	11
131-11-3	Dimethyl phthalate	ND		35	11
105-67-9	2,4-Dimethylphenol	ND	*	35	11
78-59-1	Isophorone	ND		35	11
86-73-7	Fluorene	ND		35	11
132-64-9	Dibenzofuran	ND		35	11
208-96-8	Acenaphthylene	ND		35	11
120-83-2	2,4-Dichlorophenol	ND		35	11
191-24-2	Benzo[g,h,i]perylene	ND		35	11
118-74-1	Hexachlorobenzene	ND		35	11
117-84-0	Di-n-octyl phthalate	ND		35	11
87-68-3	Hexachlorobutadiene	ND		35	11
85-01-8	Phenanthrene	ND		35	11
88-75-5	2-Nitrophenol	ND	*	35	14
207-08-9	Benzo[k]fluoranthene	ND		35	18
51-28-5	2,4-Dinitrophenol	ND	*	35	29
120-12-7	Anthracene	ND		35	11
91-57-6	2-Methylnaphthalene	ND		35	11
84-74-2	Di-n-butyl phthalate	ND		180	53
120-82-1	1,2,4-Trichlorobenzene	ND		35	11
129-00-0	Pyrene	ND		35	11
121-14-2	2,4-Dinitrotoluene	ND		35	11
53-70-3	Dibenz(a,h)anthracene	ND		35	11
541-73-1	1,3-Dichlorobenzene	ND		35	11
98-95-3	Nitrobenzene	ND		35	11
91-20-3	Naphthalene	ND		35	11
88-06-2	2,4,6-Trichlorophenol	ND		35	15
87-86-5	Pentachlorophenol	ND		35	11
206-44-0	Fluoranthene	ND		35	11
91-94-1	3,3'-Dichlorobenzidine	ND		71	13
101-55-3	4-Bromophenyl phenyl ether	ND		35	11

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30197-1

SDG No.:

Client Sample ID: OC-SB-520-18/20-XXX | Lab Sample ID: 480-30197-6

Matrix: Solid | Lab File ID: X3197.D

Analysis Method: 8270D | Date Collected: 12/13/2012 08:50

Extract. Method: 3546 | Date Extracted: 12/18/2012 08:12

Sample wt/vol: 000030.5(g) | Date Analyzed: 12/20/2012 13:08

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 7.4 | 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		35	12
95-48-7	2-Methylphenol	ND		35	11
95-50-1	1,2-Dichlorobenzene	ND		35	11
108-60-1	2,2'-oxybis[1-chloropropane]	ND		35	11
98-86-2	Acetophenone	ND		35	11
111-44-4	Bis(2-chloroethyl)ether	ND		35	11
56-55-3	Benzo[a]anthracene	ND		35	11
193-39-5	Indeno[1,2,3-cd]pyrene	ND		35	11
85-68-7	Butyl benzyl phthalate	ND		35	11
218-01-9	Chrysene	ND		35	11
83-32-9	Acenaphthene	ND		35	11
205-99-2	Benzo[b]fluoranthene	ND		35	11
100-02-7	4-Nitrophenol	ND	*	180	15
106-47-8	4-Chloroaniline	ND	*	71	32
95-57-8	2-Chlorophenol	ND		35	11
606-20-2	2,6-Dinitrotoluene	ND	*	35	30
108-95-2	Phenol	ND		35	11
15831-10-4	3 & 4 Methylphenol	ND		35	11
106-46-7	1,4-Dichlorobenzene	ND		35	11
111-91-1	Bis(2-chloroethoxy)methane	ND		35	11
91-58-7	2-Chloronaphthalene	ND		35	11
621-64-7	N-Nitrosodi-n-propylamine	ND		35	11
7005-72-3	4-Chlorophenyl phenyl ether	ND		35	11
59-50-7	4-Chloro-3-methylphenol	ND		71	11
50-32-8	Benzo[a]pyrene	ND		35	11
106-44-5	4-Methylphenol	ND		35	11
100-01-6	4-Nitroaniline	ND		180	30
88-74-4	2-Nitroaniline	ND		180	45
105-60-2	Caprolactam	ND		35	11
86-74-8	Carbazole	ND		35	11
534-52-1	4,6-Dinitro-2-methylphenol	ND		180	34
90-12-0	1-Methylnaphthalene	ND		35	11
86-30-6	N-Nitrosodiphenylamine	26	J	35	11
1912-24-9	Atrazine	ND		35	11

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30197-1

SDG No.:

Client Sample ID: OC-SB-520-18/20-XXX | Lab Sample ID: 480-30197-6

Matrix: Solid | Lab File ID: X3197.D

Analysis Method: 8270D | Date Collected: 12/13/2012 08:50

Extract. Method: 3546 | Date Extracted: 12/18/2012 08:12

Sample wt/vol: 000030.5(g) | Date Analyzed: 12/20/2012 13:08

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 7.4 | 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		35	11
100-52-7	Benzaldehyde	ND		35	11
103-33-3	Azobenzene	ND		35	11
77-47-4	Hexachlorocyclopentadiene	ND		71	11
99-09-2	3-Nitroaniline	ND		180	11
62-75-9	N-Nitrosodimethylamine	ND		35	11
100-51-6	Benzyl alcohol	ND		71	11
92-52-4	1,1'-Biphenyl	ND		35	11
58-90-2	2,3,4,6-Tetrachlorophenol	ND		35	11
119-61-9	Benzophenone	ND		35	11
65-85-0	Benzoic acid	ND		180	16
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		35	11

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	95		30-130
367-12-4	2-Fluorophenol	76		30-130
4165-60-0	Nitrobenzene-d5	91		30-130
4165-62-2	Phenol-d5	80		30-130
321-60-8	2-Fluorobiphenyl	90		30-130
1718-51-0	p-Terphenyl-d14	87		30-130

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

Lab Name: TestAmerica Buffalo | Job No.: 480-30197-1

SDG No.:

Client Sample ID: OC-SB-520-18/20-XXX | Lab Sample ID: 480-30197-6

Matrix: Solid | Lab File ID: X3197.D

Analysis Method: 8270D | Date Collected: 12/13/2012 08:50

Extract. Method: 3546 | Date Extracted: 12/18/2012 08:12

Sample wt/vol: 000030.5(g) | Date Analyzed: 12/20/2012 13:08

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 7.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 96803 | Units: ug/Kg

Number TICs Found: 10 | TIC Result Total: 4400

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	3.85	49	T J
	Unknown	4.21	4100	T J
	Unknown	4.23	52	T J
95-47-6	Benzene, 1,2-dimethyl-	4.64	33	T J N
	Unknown	6.33	24	T J
122-39-4	Diphenylamine	12.13	26	J
629-94-7	Heneicosane	15.59	29	T J N
	Unknown	16.13	27	T J
	Unknown	16.40	34	T J
	Unknown	16.97	26	T J

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3197.D		
Lims ID:	480-30197-A-6-A	Client ID:	OC-SB-520-18/20-XXX
Inject. Date:	20-Dec-2012 13:08:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-0017736-008		
Misc. Info.:			
Operator:	ANM	Instrument ID:	HP5973X
Injection Vol:	1.0 ul	ALS Bottle#:	9
Lims Batch ID:	96803	Lims Sample ID:	8
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X-8270LL.m		
Last Update:	09-Mar-2013 09:54:54	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 13:39:10

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.546	6.570	-0.024	85	220877	5.00	
* 2 Naphthalene-d8	136	8.444	8.439	0.005	97	778105	5.00	
* 3 Acenaphthene-d10	164	11.102	11.064	0.038	84	494081	5.00	
* 4 Phenanthrene-d10	188	13.118	13.080	0.038	95	668363	5.00	
* 5 Chrysene-d12	240	15.753	15.734	0.019	94	478719	5.00	
* 6 Perylene-d12	264	17.032	17.013	0.019	97	552012	5.00	
$ 7 2-Fluorophenol	112	4.672	4.682	-0.010	0	76345	1.52	M
$ 8 Phenol-d5	99	6.104	6.090	0.014	82	97239	1.59	M
$ 9 Nitrobenzene-d5	82	7.397	7.393	0.004	73	105987	1.82	M
$ 10 2-Fluorobiphenyl	172	10.118	10.075	0.043	89	223240	1.80	M
$ 11 2,4,6-Tribromophenol	330	12.291	12.229	0.062	0	23446	1.91	M
$ 12 p-Terphenyl-d14	244	14.783	14.759	0.024	94	161323	1.75	
19 N-Nitrosodimethylamine	42		2.766					
21 Benzaldehyde	77		5.938					
23 Aniline	93		6.104					
22 Phenol	94		6.109					9
24 Bis(2-chloroethyl)ether	93		6.204					24
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					
33 Acetophenone	105		7.174					
35 DFTPP								
34 N-Nitrosodi-n-propylamine	70		7.183					14
36 4-Methylphenol	108		7.231					9
37 Hexachloroethane	117		7.298					19
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					
43 2,4-Dimethylphenol	107		8.001					
45 Bis(2-chloroethoxy)methane	93	8.120	8.125	-0.005	10	308	0.005221	
44 Benzoic acid	105		8.177					19
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					149
52 Hexachlorobutadiene	225		8.662					9
54 Caprolactam	113		9.129					19
55 4-Chloro-3-methylphenol	107		9.385					
56 2-Methylnaphthalene	142		9.509					
57 1-Methylnaphthalene	142		9.656					
58 Hexachlorocyclopentadiene	237		9.742					9
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					
64 Phenyl ether	170	10.436	10.384	0.052	60	6503	0.0837	
65 2-Nitroaniline	65		10.436					1
67 Dimethyl phthalate	163		10.722					9
68 2,6-Dinitrotoluene	165		10.807					
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					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					19
82 4,6-Dinitro-2-methylphenol	198		12.010					19
83 N-Nitrosodiphenylamine	169	12.129	12.077	0.052	93	116192	0.7476	
85 Azobenzene	77		12.120					14
16 1,2-Diphenylhydrazine	77		12.120					
86 Benzophenone	105		12.144					14
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					
99 Carbazole	167		13.380					19
102 Di-n-butyl phthalate	149		13.765					
104 Fluoranthene	202		14.388					
106 Pyrene	202		14.607					
108 Butyl benzyl phthalate	149		15.211					
109 3,3'-Dichlorobenzidine	252		15.705					

Report Date: 09-Mar-2013 09:54:55 Chrom Revision: 2.0 01-Feb-2013 10:03:10
Data File: \\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3197.D

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
110 Bis(2-ethylhexyl) phthalate	149	15.720	15.710	0.010	40	11424	0.1170	
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					
119 Benzo[g,h,i]perylene	276		18.421					
S 120 3 & 4 Methylphenol	108		0.000					
59 1,2,4,5-Tetrachlorobenzene	216		9.761					

QC Flag Legend

Processing Flags
1 - Missing Peaks
2 - Failed Coelution 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\X3197.D		
Lims ID:	480-30197-A-6-A	Client ID:	OC-SB-520-18/20-XXX
Inject. Date:	20-Dec-2012 13:08:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-0017736-008		
Misc. Info.:			
Operator:	ANM	Instrument ID:	HP5973X
Injection Vol:	1.0 ul	ALS Bottle#:	9
Lims Batch ID:	96803	Lims Sample ID:	8
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X-8270LL.m		
Last Update:	09-Mar-2013 09:54:54	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 13:39:10

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ng/uL	Flags
Diphenylamine	12.129	116192	0.7470	

Tentative Identified Compound Results

RT	Response	Amount ng/uL	Quant Cpnd	Qual	Lib Entry	Flags
		Unknown				
3.850	415017	1.38	1			
		Unknown				
4.206	35095666	117.0	1			
		Unknown				
4.225	438411	1.46	1			
95-47-6		Benzene, 1,2-dimethyl-				
4.644	278733	0.9295	1	90	117410	
		Unknown				
6.327	204893	0.6833	1			
629-94-7		Heneicosane				
15.591	242372	0.8104	5	89	17094	
		Unknown				
16.133	227962	0.7622	5			
		Unknown				
16.400	309478	0.9524	6			
		Unknown				
16.970	235486	0.7247	6			

Report Date: 09-Mar-2013 09:54:55 Chrom Revision: 2.0 01-Feb-2013 10:03:10
Data File: \\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3197.D
Quantitation Compounds

Compound	RT	Response	Amount ng/uL
* 1 1,4-Dichlorobenzene-d4	6.551	1499389	5.00
* 5 Chrysene-d12	15.753	1495391	5.00
* 6 Perylene-d12	17.032	1624644	5.00

QC Flag Legend

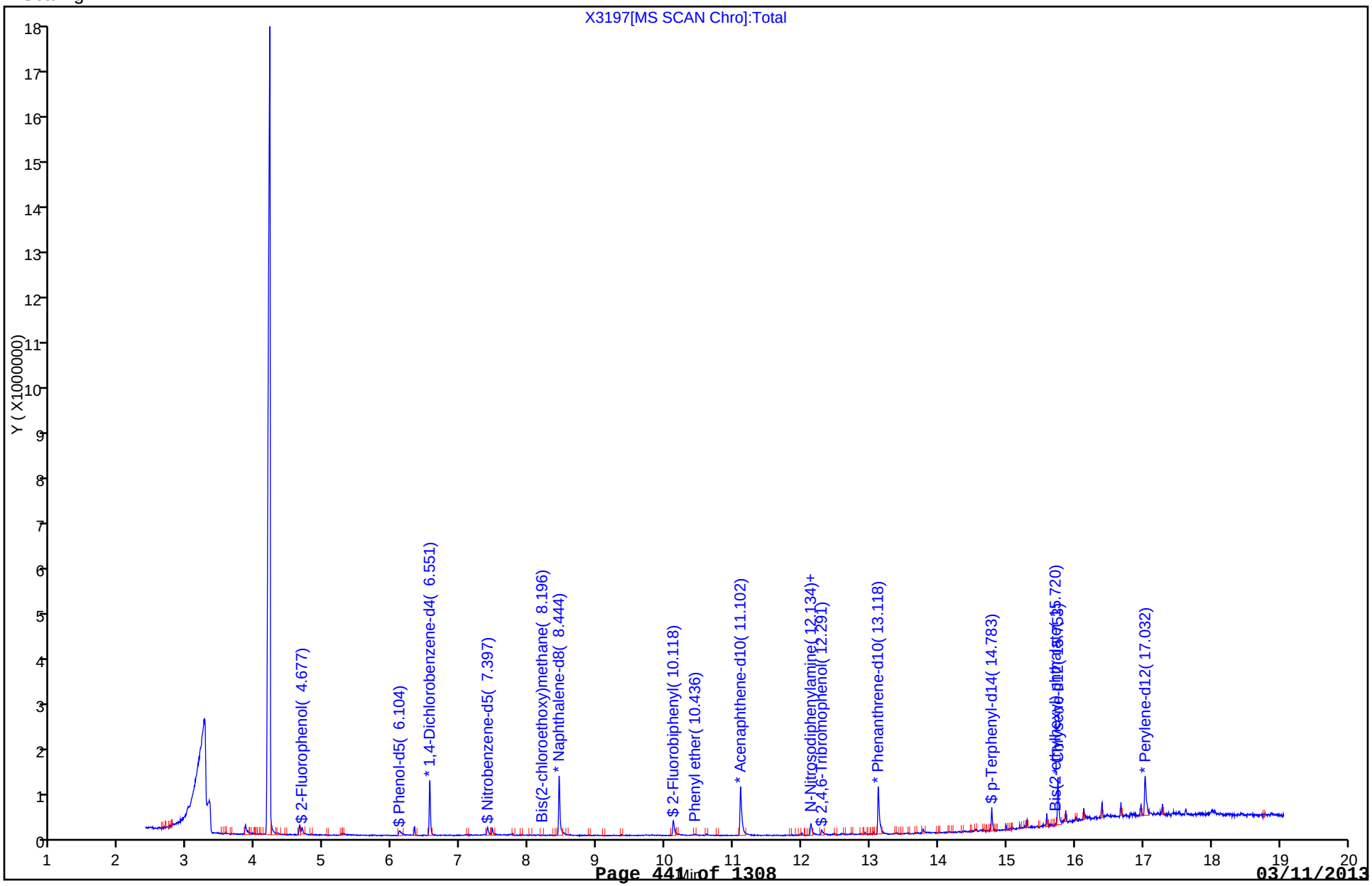
Processing Flags

Report Date: 09-Mar-2013 09:54:55 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3197.D		
Injection Date:	20-Dec-2012 13:08:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-520-18/20-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	8
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:

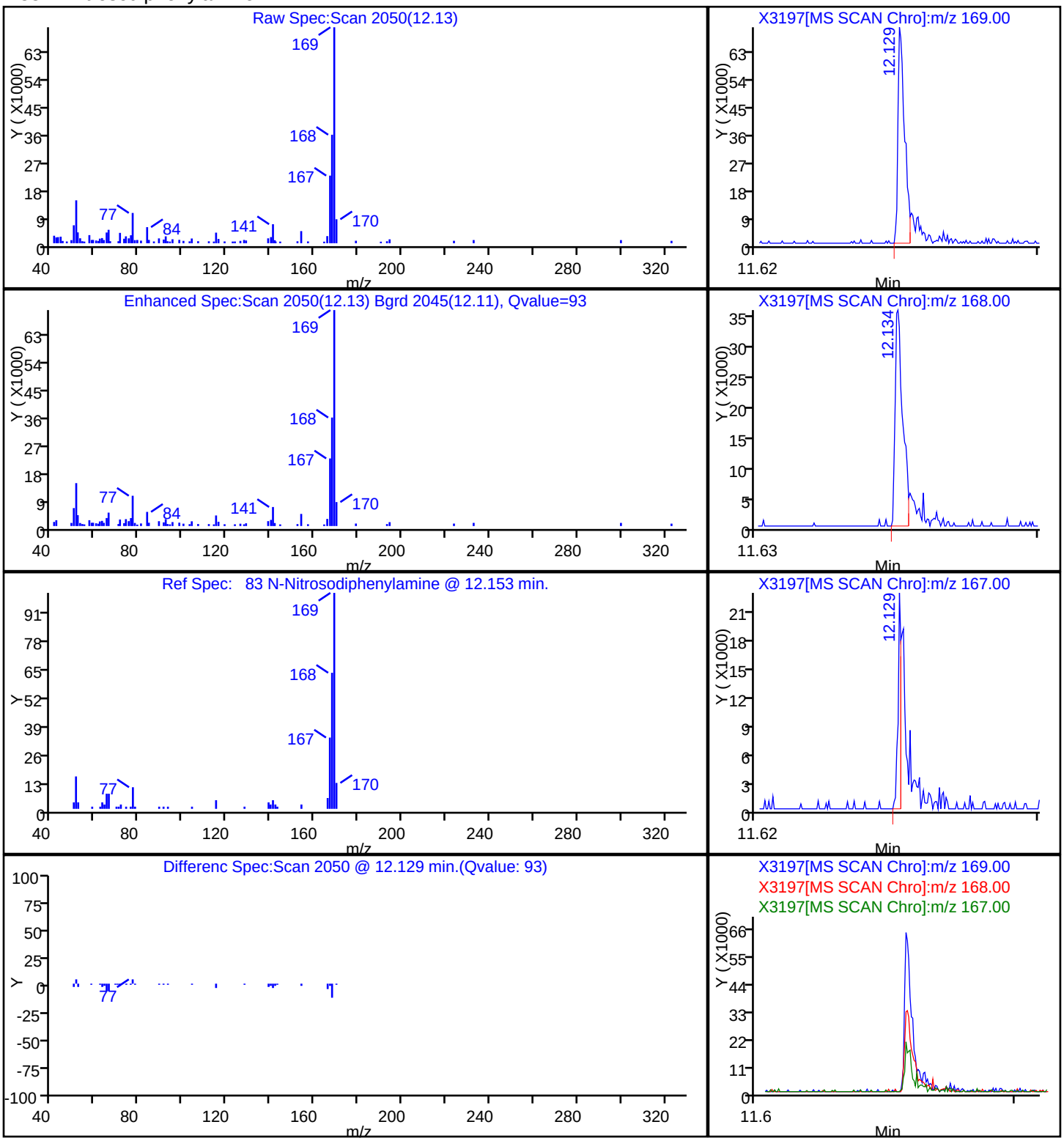


Report Date: 09-Mar-2013 09:54:55 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3197.D		
Injection Date:	20-Dec-2012 13:08:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-520-18/20-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	8
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

83 N-Nitrosodiphenylamine

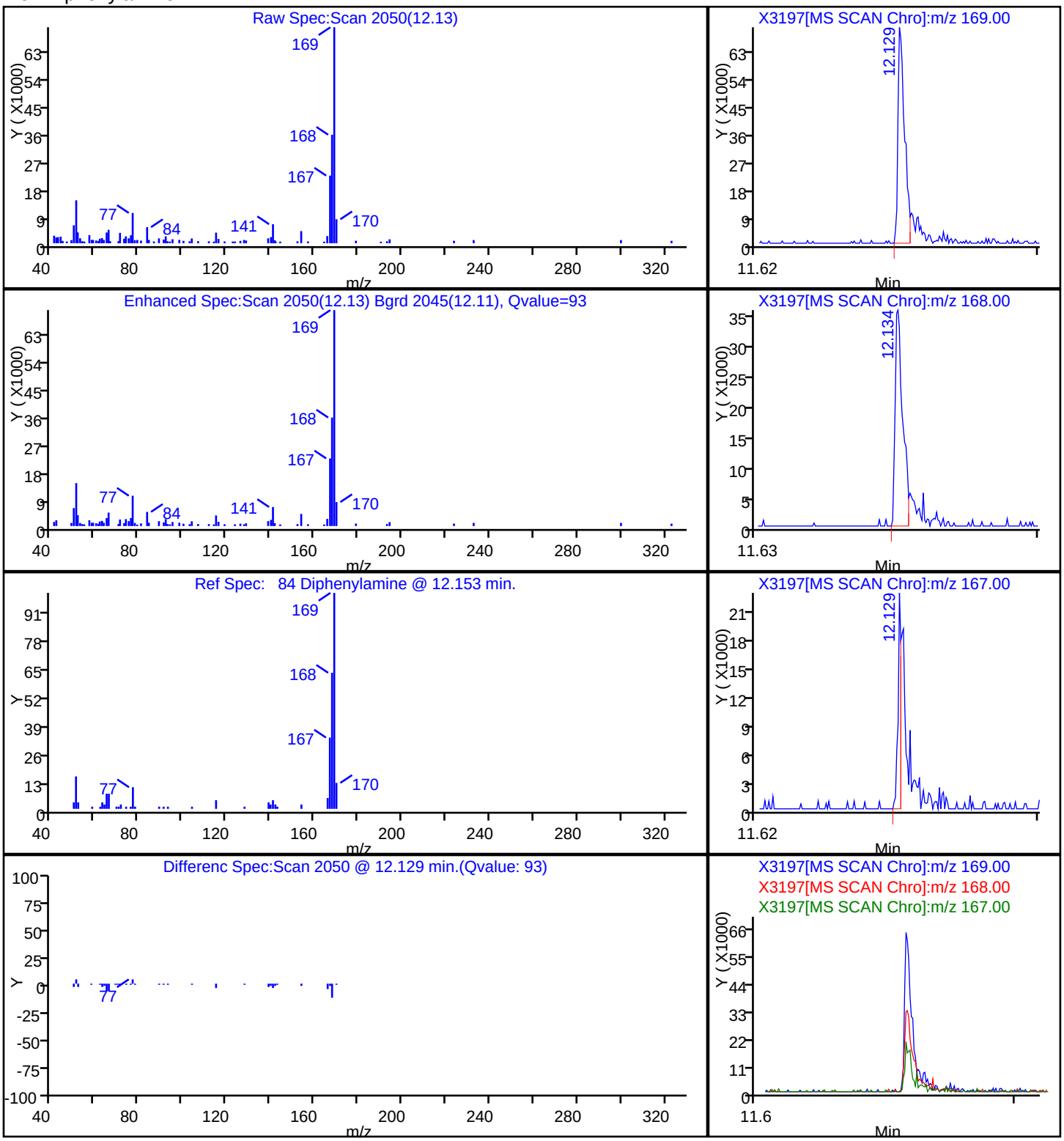


Report Date: 09-Mar-2013 09:54:55 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3197.D		
Injection Date:	20-Dec-2012 13:08:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-520-18/20-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	8
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 09:54:55 Chrom Revision: 2.0 01-Feb-2013 10:03:10

Manual Integration/User Assign Peak Report

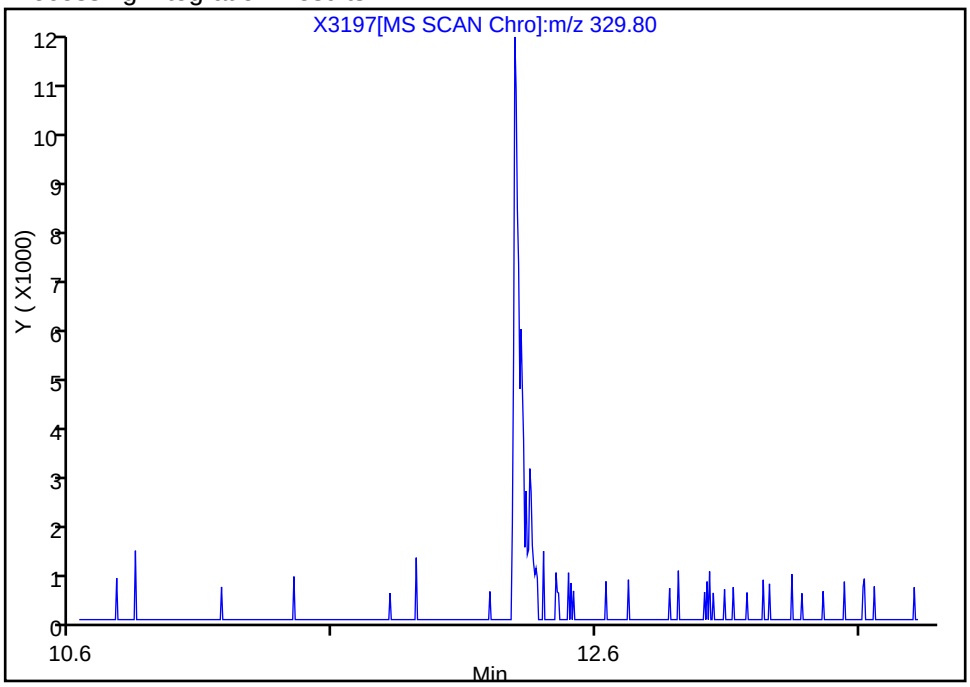
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3197.D		
Injection Date:	20-Dec-2012 13:08:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-520-18/20-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	8
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

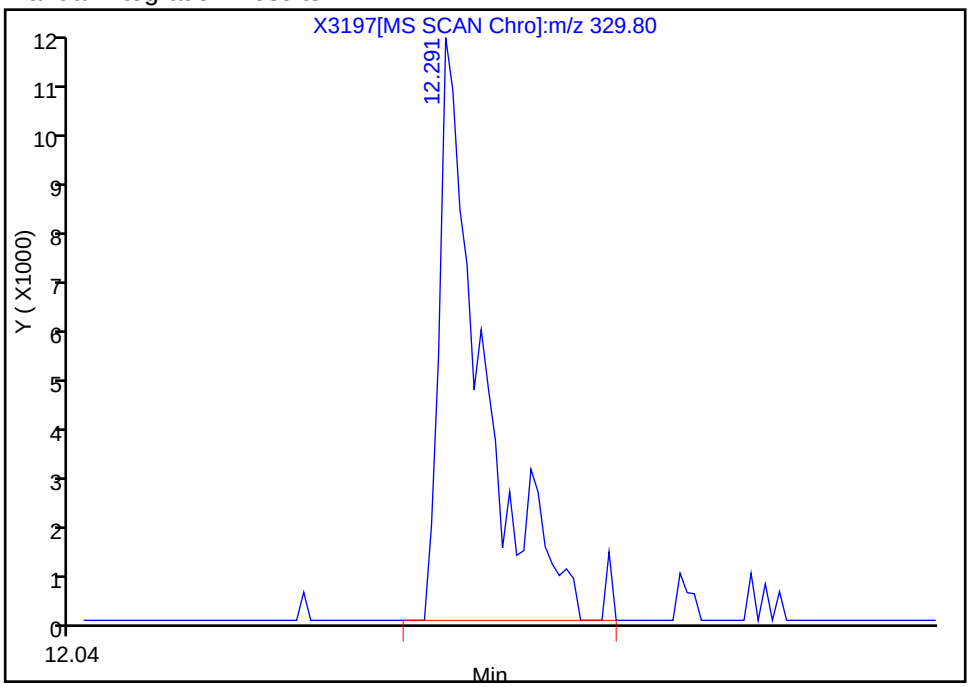
Processing Integration Results

Not Detected
Expected RT: 12.23



Manual Integration Results

RT: 12.29
Response: 23446
Amount: 1.906915



Reviewer: mckernar, 20-Dec-2012 13:39:10
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 09-Mar-2013 09:54:55 Chrom Revision: 2.0 01-Feb-2013 10:03:10

Manual Integration/User Assign Peak Report

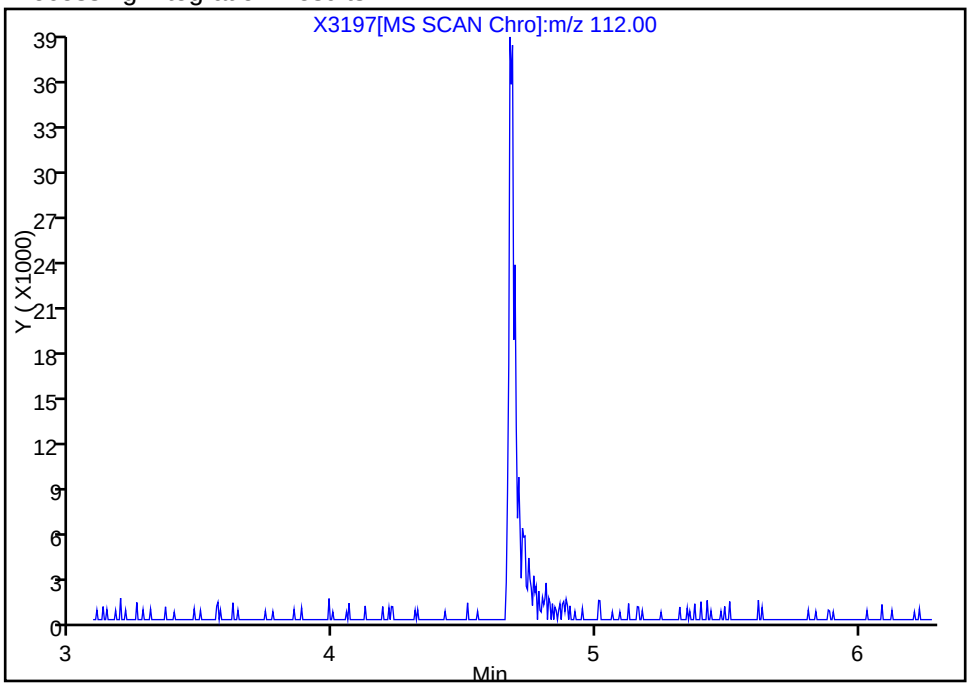
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3197.D		
Injection Date:	20-Dec-2012 13:08:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-520-18/20-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	8
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

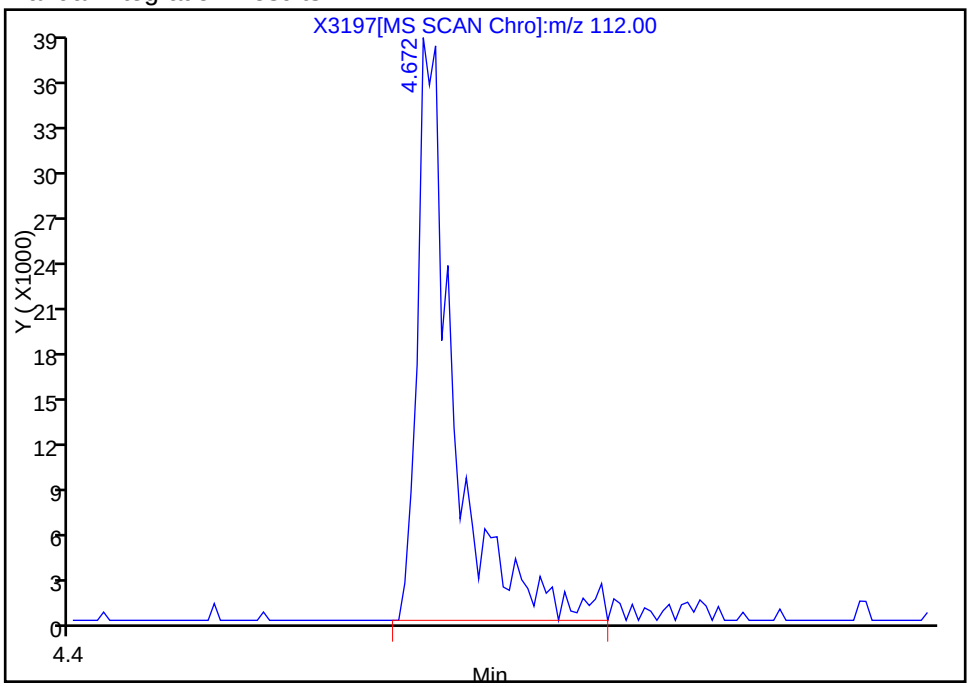
Processing Integration Results

Not Detected
Expected RT: 4.68



Manual Integration Results

RT: 4.67
Response: 76345
Amount: 1.523124



Reviewer: mckernar, 20-Dec-2012 13:39:10
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 09-Mar-2013 09:54:55 Chrom Revision: 2.0 01-Feb-2013 10:03:10

Manual Integration/User Assign Peak Report

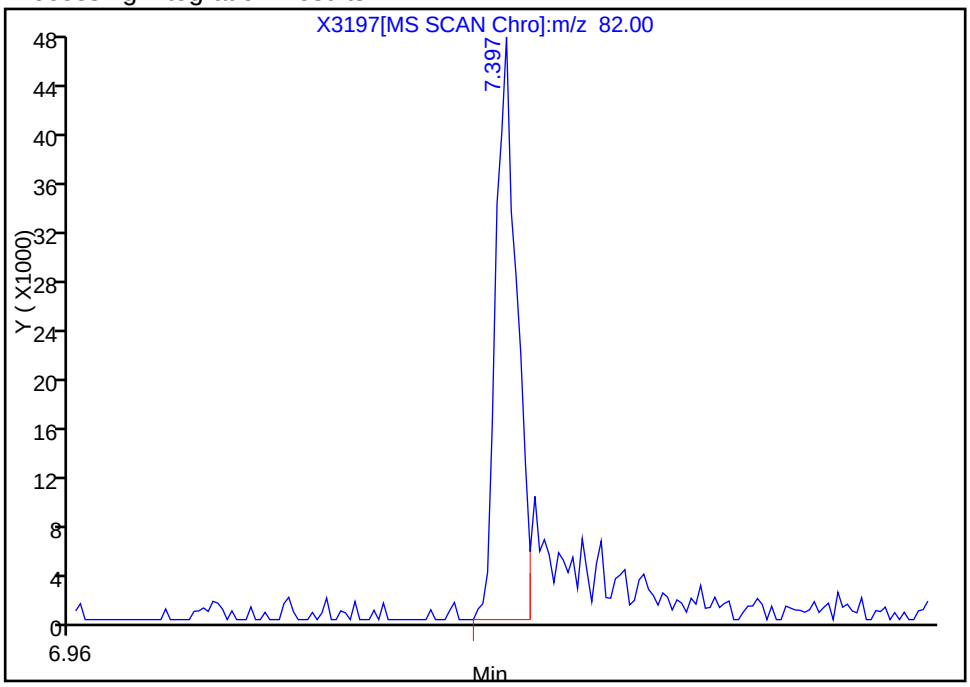
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3197.D		
Injection Date:	20-Dec-2012 13:08:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-520-18/20-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	8
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

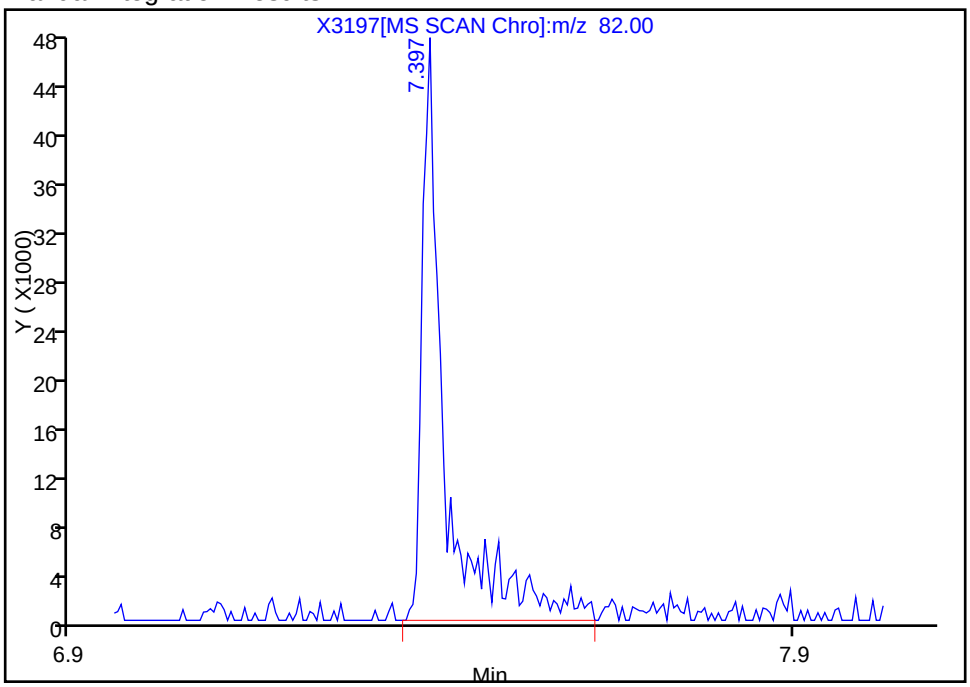
Processing Integration Results

RT: 7.40
Response: 69784
Amount: 1.117344



Manual Integration Results

RT: 7.40
Response: 105987
Amount: 1.816753



Reviewer: mckernar, 20-Dec-2012 13:39:10
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

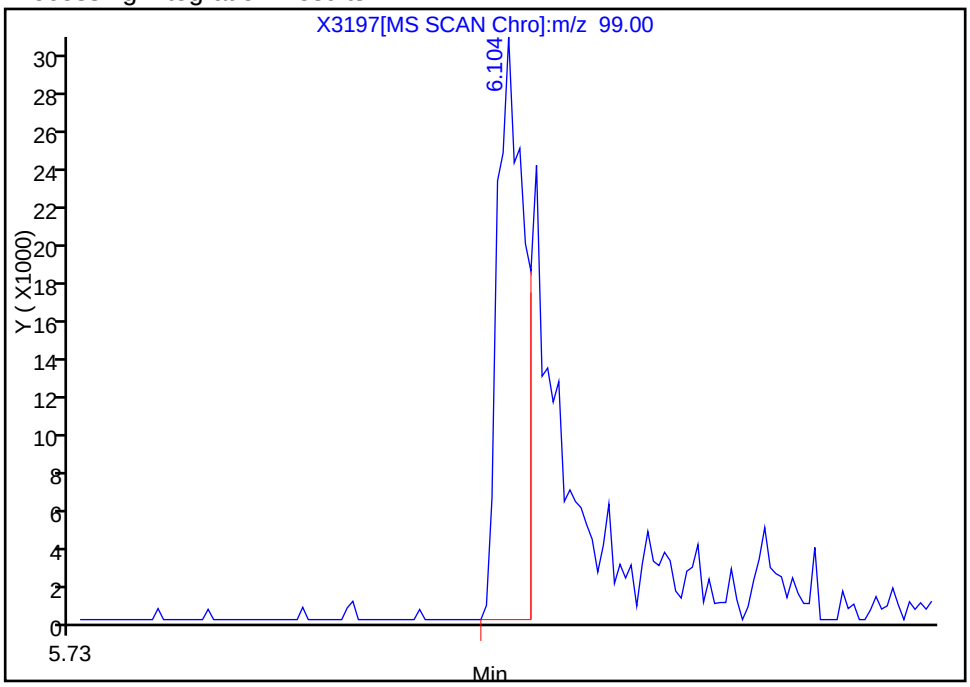
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3197.D		
Injection Date:	20-Dec-2012 13:08:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-520-18/20-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	8
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

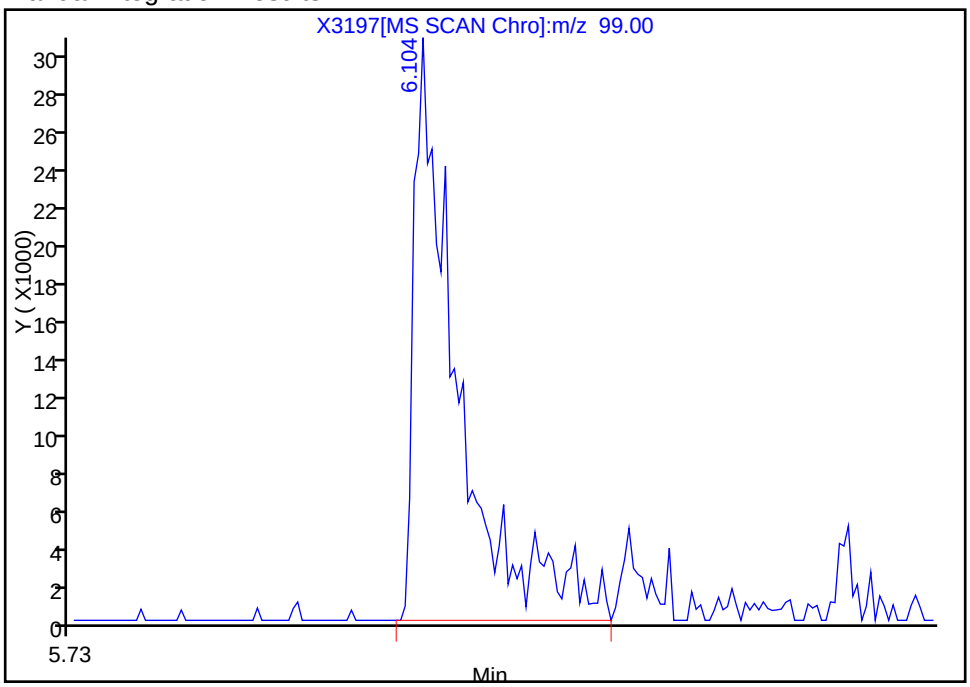
Processing Integration Results

RT: 6.10
Response: 48567
Amount: 0.714650



Manual Integration Results

RT: 6.10
Response: 97239
Amount: 1.593953



Reviewer: mckernar, 20-Dec-2012 13:39:10
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

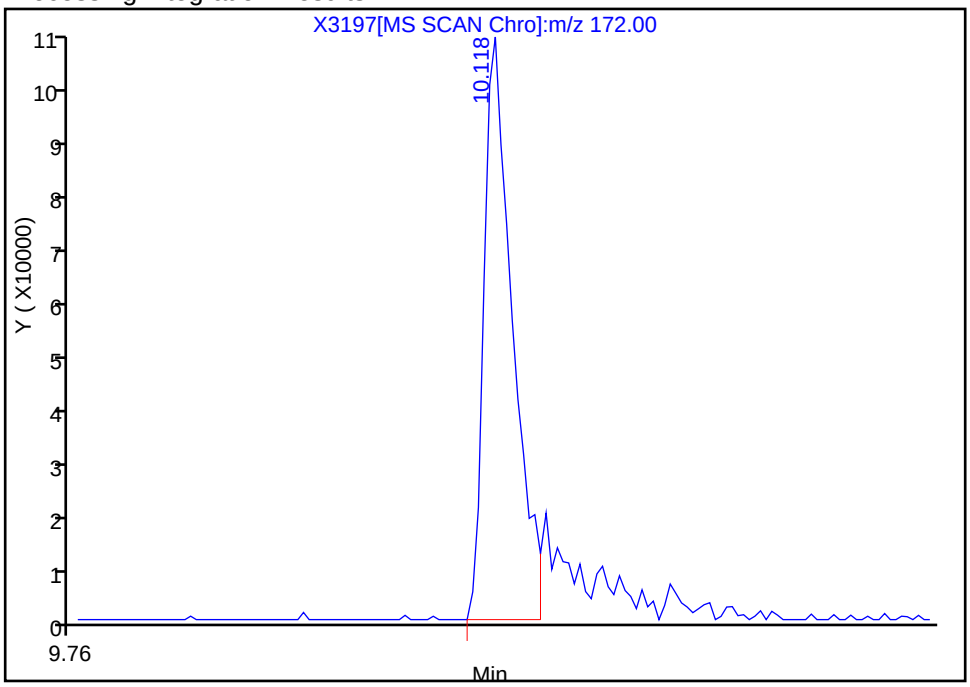
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3197.D		
Injection Date:	20-Dec-2012 13:08:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-520-18/20-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	8
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

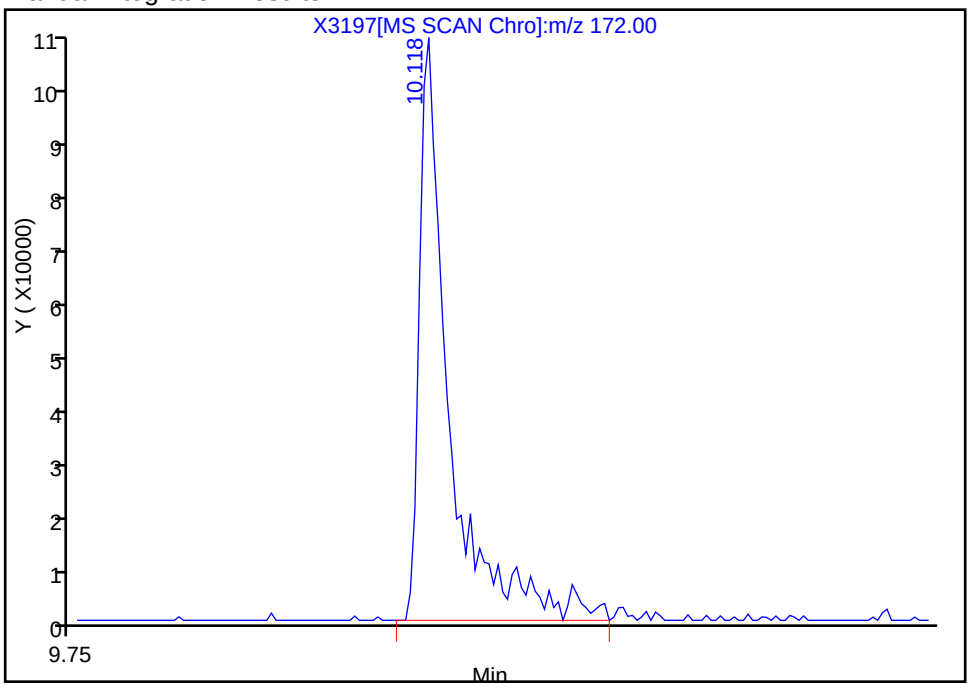
Processing Integration Results

RT: 10.12
Response: 174260
Amount: 1.346195



Manual Integration Results

RT: 10.12
Response: 223240
Amount: 1.800365



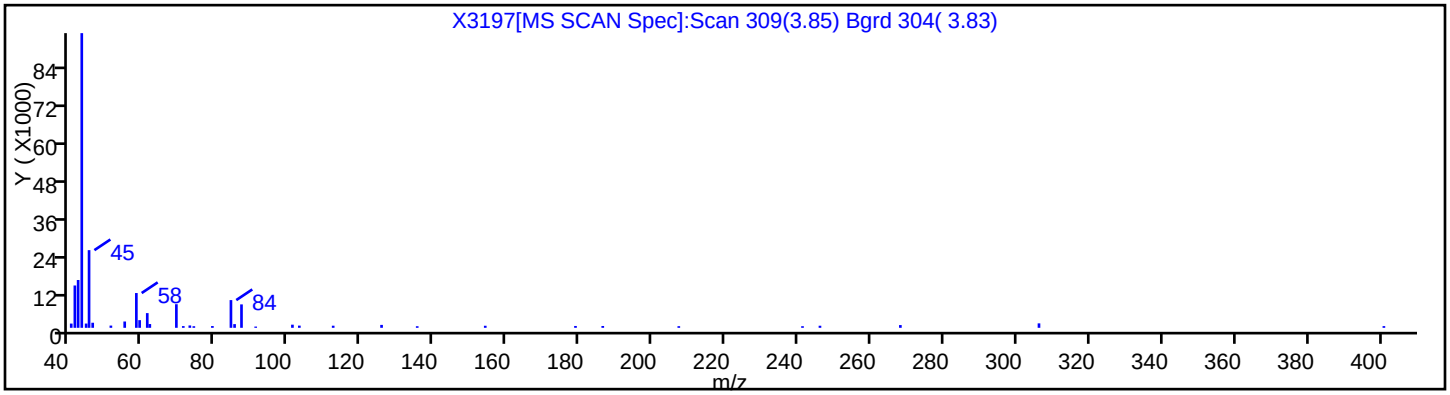
Reviewer: mckernar, 20-Dec-2012 13:39:10
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 09-Mar-2013 09:54:55 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3197.D		
Injection Date:	20-Dec-2012 13:08:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-520-18/20-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	8
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

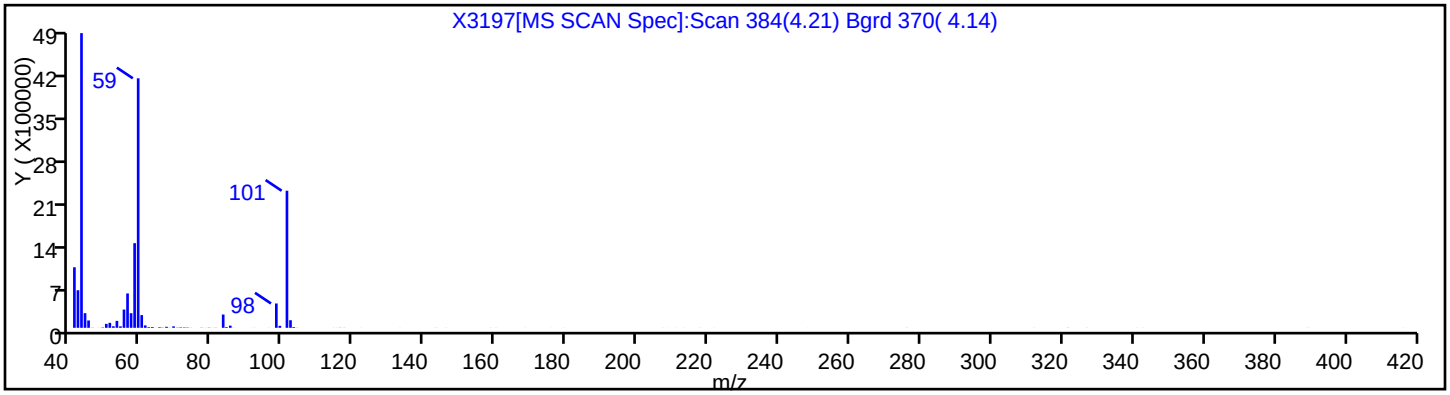


Report Date: 09-Mar-2013 09:54:55 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3197.D		
Injection Date:	20-Dec-2012 13:08:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-520-18/20-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	8
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

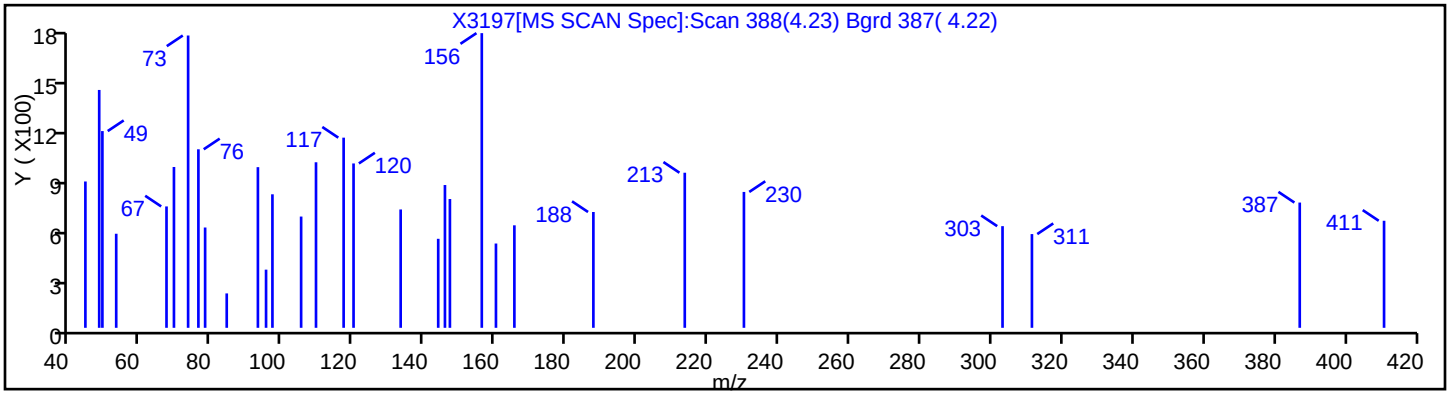


Report Date: 09-Mar-2013 09:54:55 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3197.D		
Injection Date:	20-Dec-2012 13:08:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-520-18/20-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	8
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

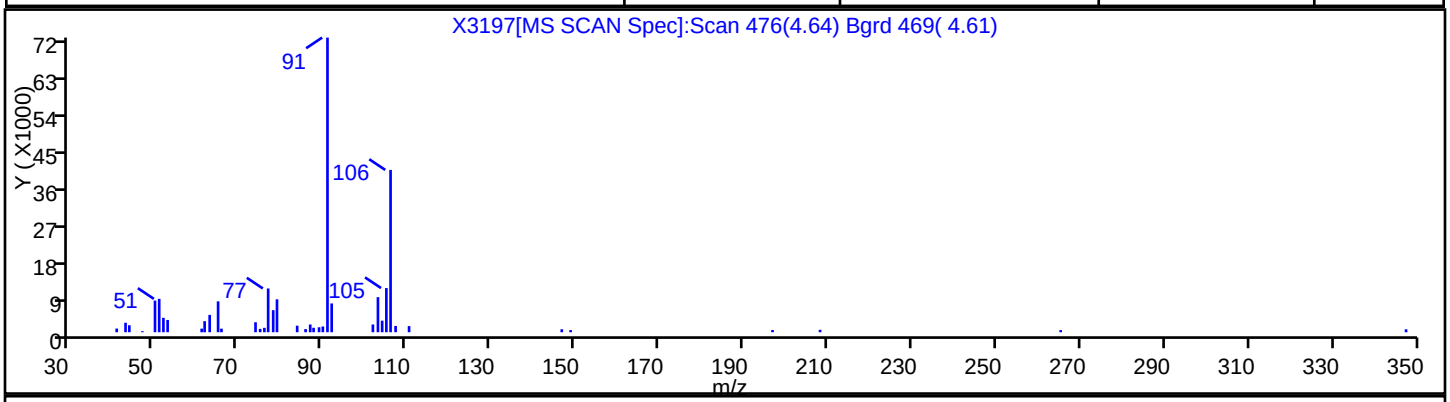


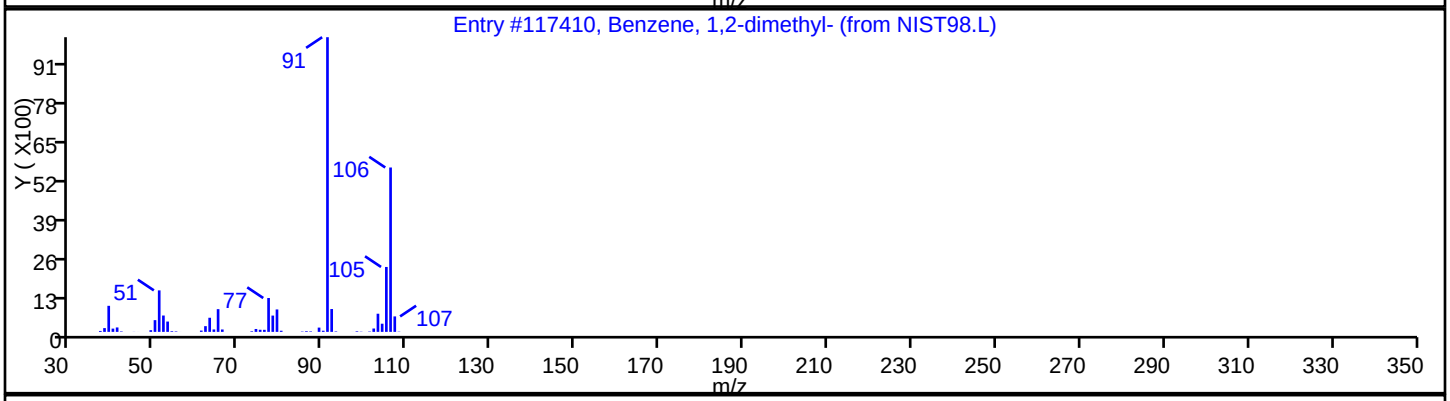
Report Date: 09-Mar-2013 09:54:55 Chrom Revision: 2.0 01-Feb-2013 10:03:10

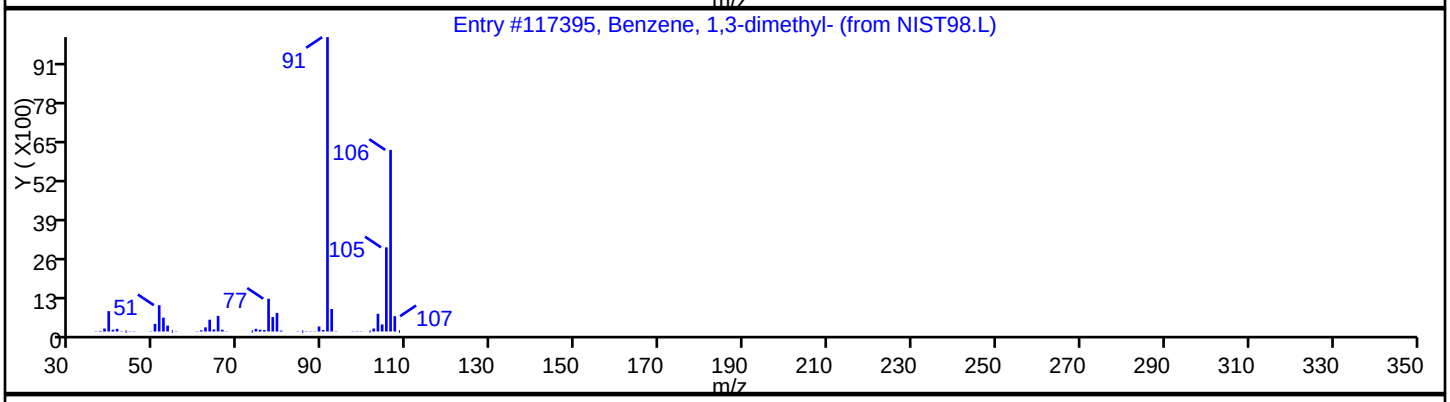
TestAmerica Buffalo

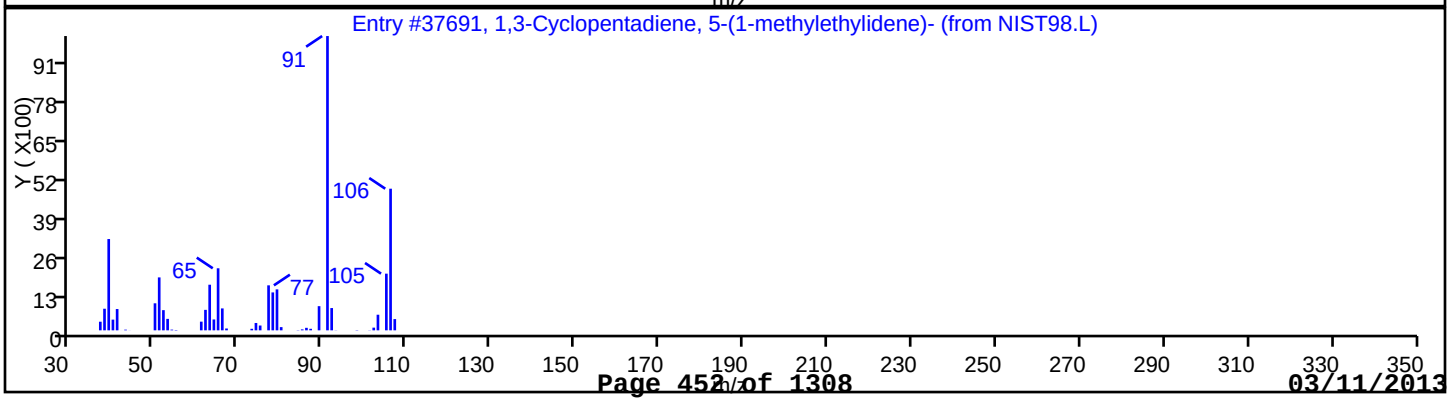
Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3197.D		
Injection Date:	20-Dec-2012 13:08:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-520-18/20-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	8
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Benzene, 1,2-dimethyl-	95-47-6	NIST98.L	117410	90
Benzene, 1,3-dimethyl-	108-38-3	NIST98.L	117395	87
1,3-Cyclopentadiene, 5-(1-methylethylide	2175-91-9	NIST98.L	37691	87







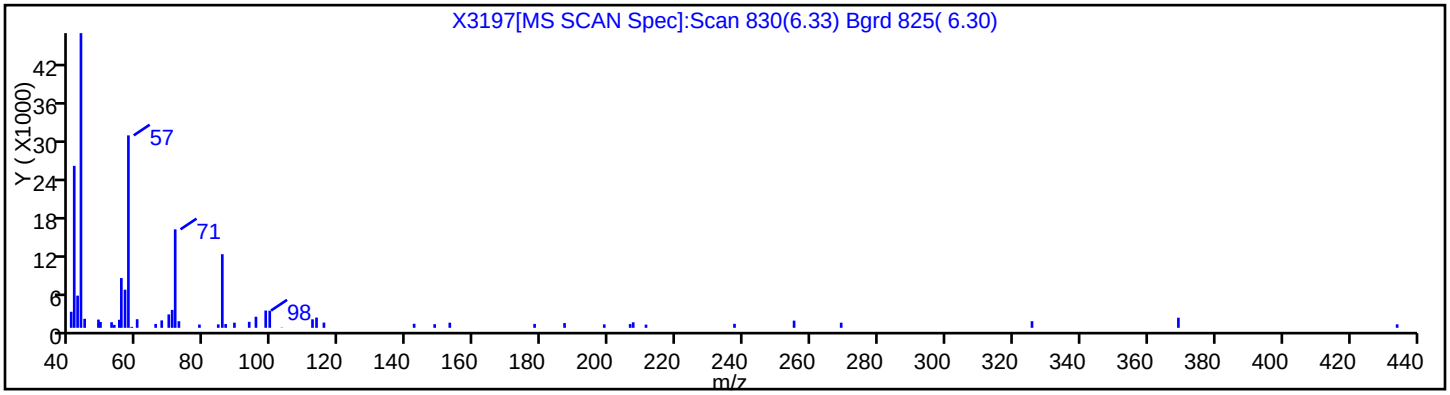


Report Date: 09-Mar-2013 09:54:55 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3197.D		
Injection Date:	20-Dec-2012 13:08:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-520-18/20-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	8
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

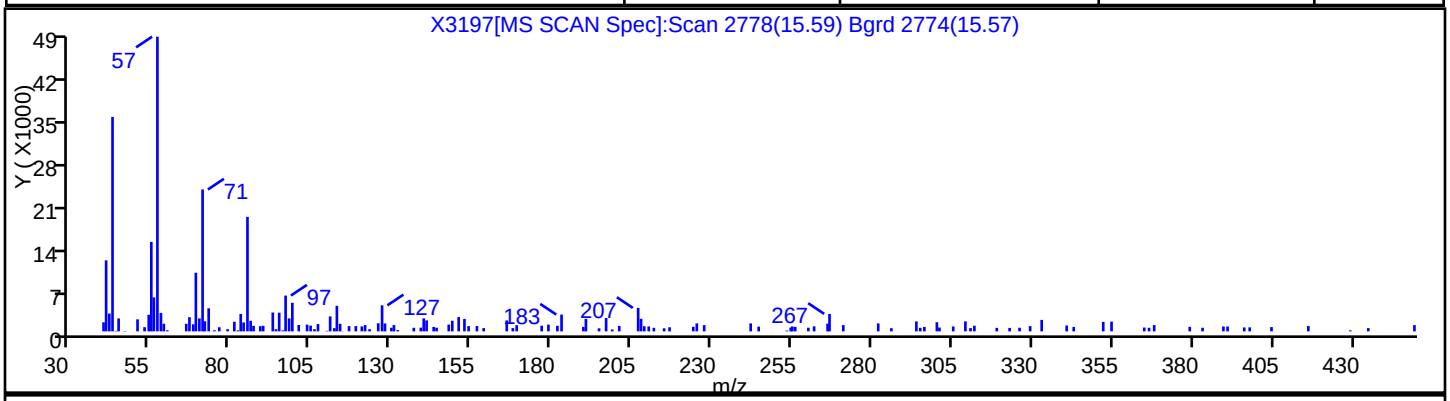


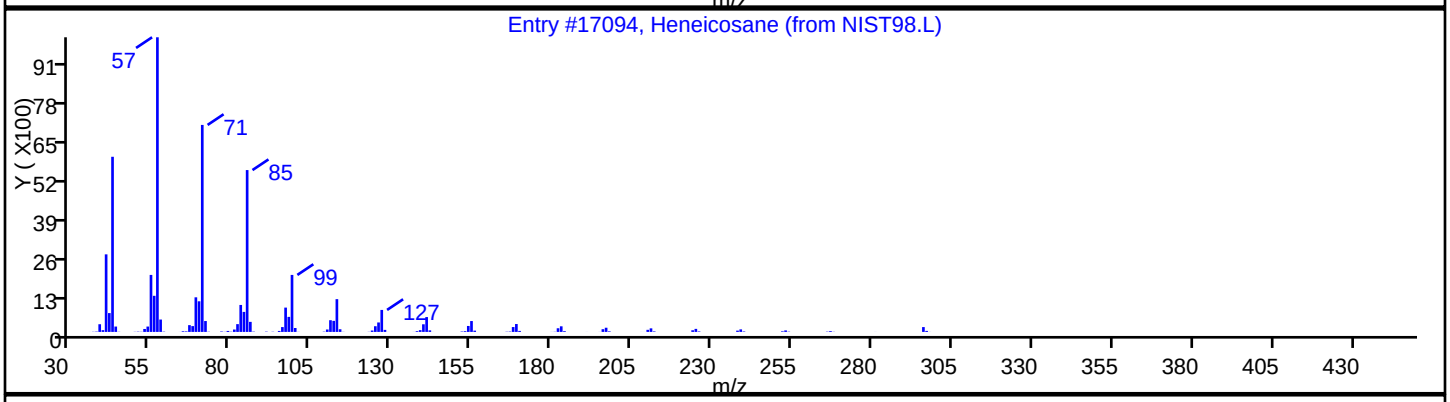
Report Date: 09-Mar-2013 09:54:55 Chrom Revision: 2.0 01-Feb-2013 10:03:10

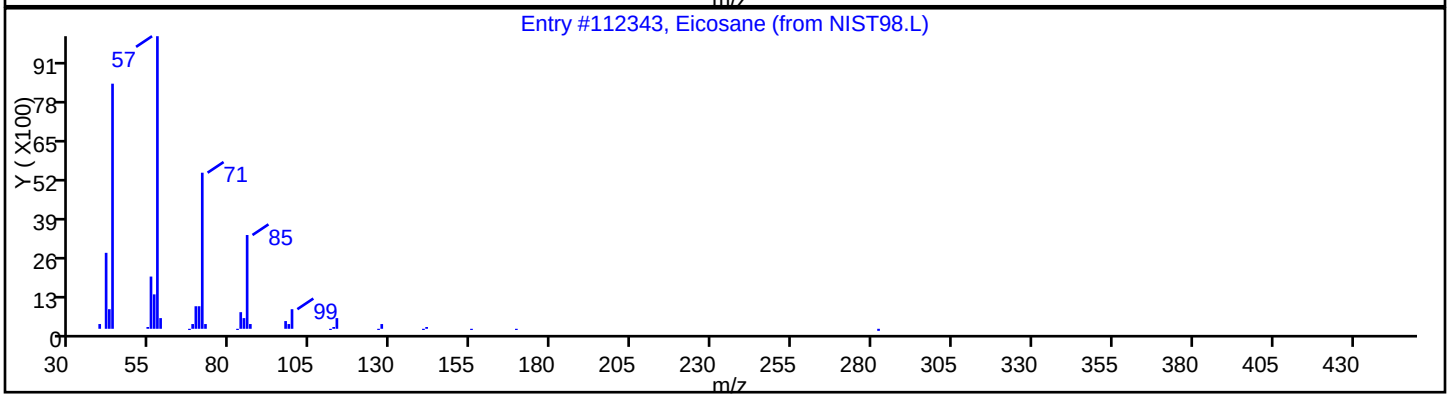
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3197.D		
Injection Date:	20-Dec-2012 13:08:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-520-18/20-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	8
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
Heneicosane	629-94-7	NIST98.L	17094	89
Eicosane	112-95-8	NIST98.L	112343	89





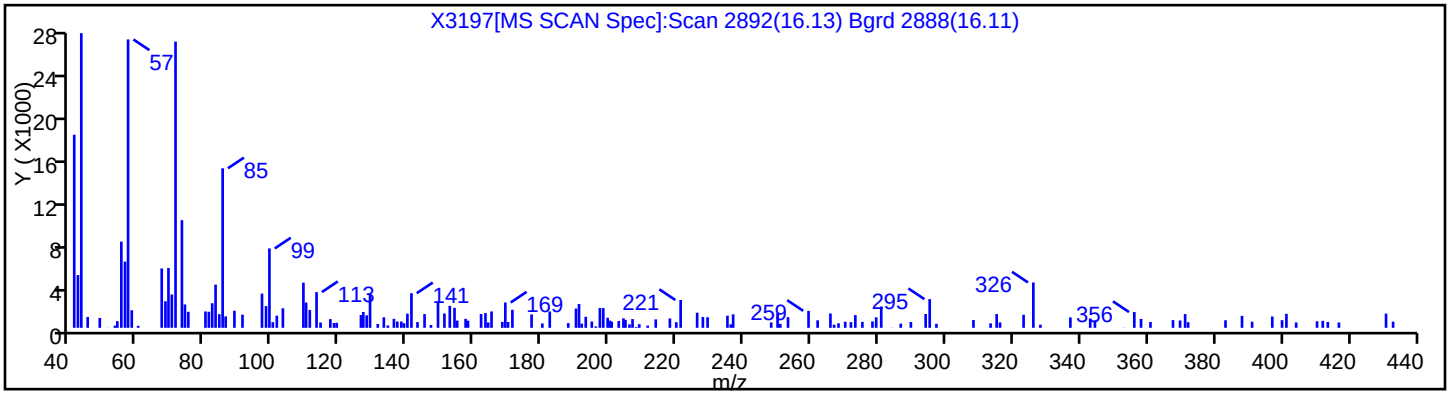


Report Date: 09-Mar-2013 09:54:55 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3197.D		
Injection Date:	20-Dec-2012 13:08:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-520-18/20-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	8
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

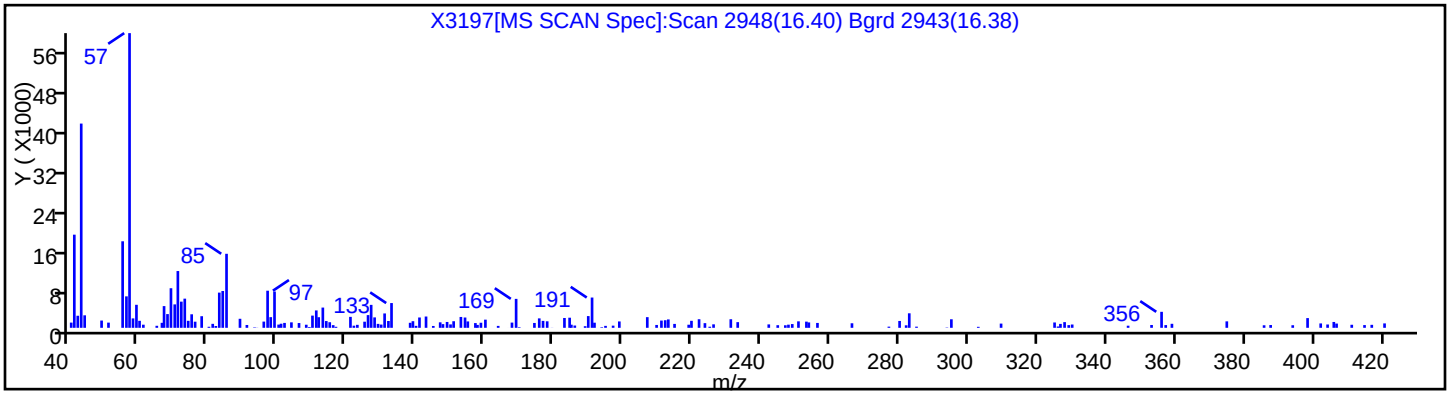


Report Date: 09-Mar-2013 09:54:55 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3197.D		
Injection Date:	20-Dec-2012 13:08:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-520-18/20-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	8
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

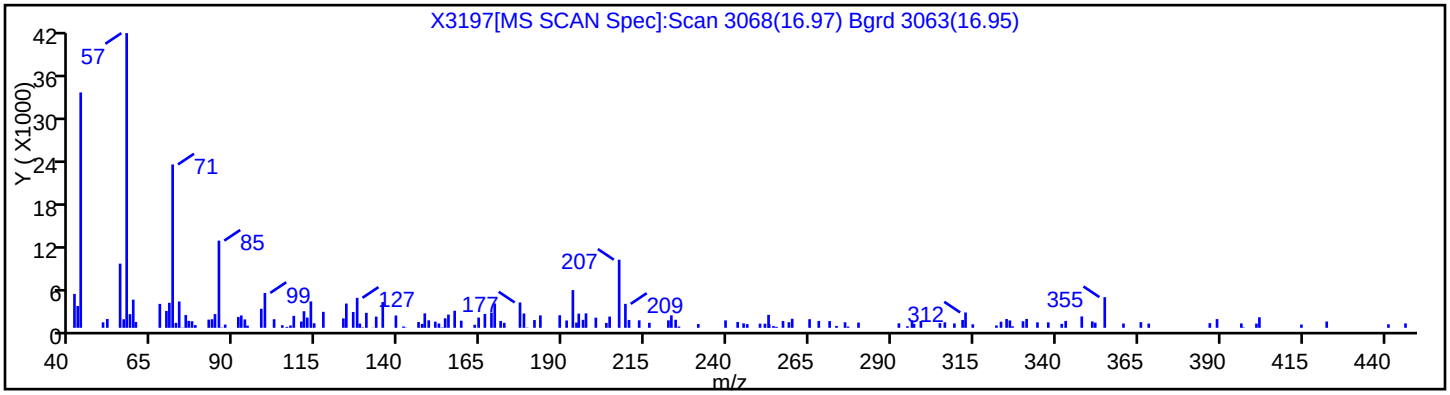


Report Date: 09-Mar-2013 09:54:55 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3197.D		
Injection Date:	20-Dec-2012 13:08:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-520-18/20-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	8
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.: 480-30197-1

SDG No.:

Client Sample ID: OC-SB-522-0.0/1.0-XXX | Lab Sample ID: 480-30197-7

Matrix: Solid | Lab File ID: X3198.D

Analysis Method: 8270D | Date Collected: 12/13/2012 09:20

Extract. Method: 3546 | Date Extracted: 12/18/2012 08:12

Sample wt/vol: 000030.6(g) | Date Analyzed: 12/20/2012 13:34

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 19.2 | 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	150	J	200	81
95-95-4	2,4,5-Trichlorophenol	ND		40	13
62-53-3	Aniline	ND		40	12
67-72-1	Hexachloroethane	ND		40	12
131-11-3	Dimethyl phthalate	ND		40	12
105-67-9	2,4-Dimethylphenol	ND	*	40	12
78-59-1	Isophorone	ND		40	12
86-73-7	Fluorene	ND		40	12
132-64-9	Dibenzofuran	ND		40	12
208-96-8	Acenaphthylene	ND		40	12
120-83-2	2,4-Dichlorophenol	ND		40	12
191-24-2	Benzo[g,h,i]perylene	34	J	40	12
118-74-1	Hexachlorobenzene	ND		40	12
117-84-0	Di-n-octyl phthalate	ND		40	12
87-68-3	Hexachlorobutadiene	ND		40	12
85-01-8	Phenanthrene	90		40	12
88-75-5	2-Nitrophenol	ND	*	40	16
207-08-9	Benzo[k]fluoranthene	56		40	21
51-28-5	2,4-Dinitrophenol	ND	*	40	33
120-12-7	Anthracene	88		40	12
91-57-6	2-Methylnaphthalene	ND		40	12
84-74-2	Di-n-butyl phthalate	ND		200	61
120-82-1	1,2,4-Trichlorobenzene	ND		40	12
129-00-0	Pyrene	130		40	12
121-14-2	2,4-Dinitrotoluene	ND		40	12
53-70-3	Dibenz(a,h)anthracene	ND		40	12
541-73-1	1,3-Dichlorobenzene	ND		40	12
98-95-3	Nitrobenzene	ND		40	12
91-20-3	Naphthalene	ND		40	12
88-06-2	2,4,6-Trichlorophenol	ND		40	17
87-86-5	Pentachlorophenol	ND		40	12
206-44-0	Fluoranthene	180		40	12
91-94-1	3,3'-Dichlorobenzidine	ND		81	15
101-55-3	4-Bromophenyl phenyl ether	ND		40	12

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30197-1

SDG No.:

Client Sample ID: OC-SB-522-0.0/1.0-XXX | Lab Sample ID: 480-30197-7

Matrix: Solid | Lab File ID: X3198.D

Analysis Method: 8270D | Date Collected: 12/13/2012 09:20

Extract. Method: 3546 | Date Extracted: 12/18/2012 08:12

Sample wt/vol: 000030.6(g) | Date Analyzed: 12/20/2012 13:34

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 19.2 | 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		40	13
95-48-7	2-Methylphenol	ND		40	12
95-50-1	1,2-Dichlorobenzene	ND		40	12
108-60-1	2,2'-oxybis[1-chloropropane]	ND		40	12
98-86-2	Acetophenone	13	J	40	12
111-44-4	Bis(2-chloroethyl)ether	ND		40	12
56-55-3	Benzo[a]anthracene	75		40	12
193-39-5	Indeno[1,2,3-cd]pyrene	34	J	40	12
85-68-7	Butyl benzyl phthalate	ND		40	12
218-01-9	Chrysene	97		40	12
83-32-9	Acenaphthene	ND		40	12
205-99-2	Benzo[b]fluoranthene	140		40	12
100-02-7	4-Nitrophenol	ND	*	200	17
106-47-8	4-Chloroaniline	ND	*	81	36
95-57-8	2-Chlorophenol	ND		40	12
606-20-2	2,6-Dinitrotoluene	ND	*	40	34
108-95-2	Phenol	ND		40	12
15831-10-4	3 & 4 Methylphenol	ND		40	12
106-46-7	1,4-Dichlorobenzene	ND		40	12
111-91-1	Bis(2-chloroethoxy)methane	ND		40	12
91-58-7	2-Chloronaphthalene	ND		40	12
621-64-7	N-Nitrosodi-n-propylamine	ND		40	12
7005-72-3	4-Chlorophenyl phenyl ether	ND		40	12
59-50-7	4-Chloro-3-methylphenol	ND		81	12
50-32-8	Benzo[a]pyrene	82		40	12
106-44-5	4-Methylphenol	ND		40	12
100-01-6	4-Nitroaniline	ND		200	34
88-74-4	2-Nitroaniline	ND		200	51
105-60-2	Caprolactam	ND		40	12
86-74-8	Carbazole	ND		40	12
534-52-1	4,6-Dinitro-2-methylphenol	ND		200	39
90-12-0	1-Methylnaphthalene	ND		40	12
86-30-6	N-Nitrosodiphenylamine	20	J	40	12
1912-24-9	Atrazine	ND		40	12

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30197-1

SDG No.:

Client Sample ID: OC-SB-522-0.0/1.0-XXX | Lab Sample ID: 480-30197-7

Matrix: Solid | Lab File ID: X3198.D

Analysis Method: 8270D | Date Collected: 12/13/2012 09:20

Extract. Method: 3546 | Date Extracted: 12/18/2012 08:12

Sample wt/vol: 000030.6(g) | Date Analyzed: 12/20/2012 13:34

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 19.2 | 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		40	12
100-52-7	Benzaldehyde	120		40	12
103-33-3	Azobenzene	ND		40	12
77-47-4	Hexachlorocyclopentadiene	ND		81	12
99-09-2	3-Nitroaniline	ND		200	12
62-75-9	N-Nitrosodimethylamine	ND		40	12
100-51-6	Benzyl alcohol	ND		81	12
92-52-4	1,1'-Biphenyl	ND		40	12
58-90-2	2,3,4,6-Tetrachlorophenol	ND		40	12
119-61-9	Benzophenone	ND		40	12
65-85-0	Benzoic acid	ND		200	18
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		40	12

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	94		30-130
367-12-4	2-Fluorophenol	71		30-130
4165-60-0	Nitrobenzene-d5	70		30-130
4165-62-2	Phenol-d5	66		30-130
321-60-8	2-Fluorobiphenyl	87		30-130
1718-51-0	p-Terphenyl-d14	71		30-130

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

Lab Name: TestAmerica Buffalo | Job No.: 480-30197-1

SDG No.:

Client Sample ID: OC-SB-522-0.0/1.0-XXX | Lab Sample ID: 480-30197-7

Matrix: Solid | Lab File ID: X3198.D

Analysis Method: 8270D | Date Collected: 12/13/2012 09:20

Extract. Method: 3546 | Date Extracted: 12/18/2012 08:12

Sample wt/vol: 000030.6(g) | Date Analyzed: 12/20/2012 13:34

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 19.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 96803 | Units: ug/Kg

Number TICs Found: 10 | TIC Result Total: 10097

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	4.19	4100	T J
	Unknown	15.04	110	T J
629-94-7	Heneicosane	15.59	97	T J N
6561-44-0	Octadecane, 3-methyl-	16.13	290	T J N
630-1-3	Hexacosane	17.28	140	T J N
638-66-4	Octadecanal	17.83	250	T J N
	Unknown	18.48	700	T J
	Unknown	18.57	920	T J
	Unknown	18.61	290	T J
22611-26-3	D:C-Friedoolean-8-en-3-one	18.80	3200	T J N

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3198.D		
Lims ID:	480-30197-B-7-A	Client ID:	OC-SB-522-0.0/1.0-XXX
Inject. Date:	20-Dec-2012 13:34:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-0017736-009		
Misc. Info.:			
Operator:	ANM	Instrument ID:	HP5973X
Injection Vol:	1.0 ul	ALS Bottle#:	10
Lims Batch ID:	96803	Lims Sample ID:	9
Detector:	MS SCAN		

Method:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X-8270LL.m		
Last Update:	09-Mar-2013 09:55:18	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 15:02:18

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	88	214512	5.00	
* 2 Naphthalene-d8	136	8.444	8.439	0.005	98	756183	5.00	
* 3 Acenaphthene-d10	164	11.088	11.064	0.024	87	453084	5.00	
* 4 Phenanthrene-d10	188	13.099	13.080	0.019	96	607198	5.00	
* 5 Chrysene-d12	240	15.734	15.734	0.0	96	510116	5.00	
* 6 Perylene-d12	264	17.013	17.013	0.0	96	523706	5.00	
$ 7 2-Fluorophenol	112	4.668	4.682	-0.014	54	69315	1.42	
$ 8 Phenol-d5	99	6.094	6.090	0.004	84	78614	1.33	
$ 9 Nitrobenzene-d5	82	7.397	7.393	0.004	77	79665	1.41	
$ 10 2-Fluorobiphenyl	172	10.103	10.075	0.028	92	197837	1.74	
$ 11 2,4,6-Tribromophenol	330	12.262	12.229	0.033	30	20993	1.88	
$ 12 p-Terphenyl-d14	244	14.769	14.759	0.009	91	140242	1.43	
19 N-Nitrosodimethylamine	42		2.766					
21 Benzaldehyde	77	5.918	5.938	-0.020	84	129826	3.09	
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					
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					
31 2-Methylphenol	108		6.993					9
32 2,2'-oxybis[1-chloropropane]	45		6.998					
33 Acetophenone	105	7.174	7.174	0.0	69	24974	0.3139	
35 DFTPP								
34 N-Nitrosodi-n-propylamine	70		7.183					14
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					9
41 2-Nitrophenol	139		7.892					149
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					9
48 1,2,4-Trichlorobenzene	180		8.363					29
49 Naphthalene	128	8.482	8.472	0.010	1	20992	0.1253	
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					9
57 1-Methylnaphthalene	142	9.690	9.656	0.034	4	3251	0.0301	
58 Hexachlorocyclopentadiene	237		9.742					9
60 2,4,6-Trichlorophenol	196		9.970					19
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					249
65 2-Nitroaniline	65		10.436					14
67 Dimethyl phthalate	163		10.722					9
68 2,6-Dinitrotoluene	165		10.807					
69 Acenaphthylene	152		10.850					9
70 3-Nitroaniline	138	11.078	11.069	0.009	88	1021	0.0387	
71 Acenaphthene	153		11.112					9
72 2,4-Dinitrophenol	184		11.240					
73 Dibenzofuran	168	11.416	11.378	0.038	76	3558	0.0264	
74 2,4-Dinitrotoluene	165		11.416					149
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		11.882					9
80 4-Chlorophenyl phenyl ether	204		11.901					
81 4-Nitroaniline	138		11.982					
82 4,6-Dinitro-2-methylphenol	198		12.010					
83 N-Nitrosodiphenylamine	169	12.110	12.077	0.033	96	69189	0.4900	
16 1,2-Diphenylhydrazine	77		12.120					
85 Azobenzene	77		12.120					
86 Benzophenone	105		12.144					
89 4-Bromophenyl phenyl ether	248		12.548					19
91 Hexachlorobenzene	284		12.610					9
93 Atrazine	200		12.800					
94 Pentachlorophenol	266		12.885					
97 Phenanthrene	178	13.128	13.109	0.019	85	300112	2.22	
98 Anthracene	178	13.128	13.171	-0.043	86	300245	2.18	
99 Carbazole	167	13.408	13.380	0.028	80	35388	0.2769	
102 Di-n-butyl phthalate	149		13.765					
104 Fluoranthene	202	14.398	14.388	0.010	95	584101	4.36	
106 Pyrene	202	14.621	14.607	0.014	97	432591	3.17	
108 Butyl benzyl phthalate	149		15.211					
109 3,3'-Dichlorobenzidine	252	15.686	15.705	-0.019	1	225	0.004909	

Report Date: 09-Mar-2013 09:55:19 Chrom Revision: 2.0 01-Feb-2013 10:03:10
Data File: \\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3198.D

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
110 Bis(2-ethylhexyl) phthalate	149	15.710	15.710	0.0	95	396624	3.81	
111 Benzo[a]anthracene	228	15.729	15.720	0.009	86	204957	1.87	
112 Chrysene	228	15.762	15.753	0.009	87	298608	2.40	
113 Di-n-octyl phthalate	149		16.248					9
114 Benzo[b]fluoranthene	252	16.666	16.657	0.009	90	418220	3.44	
115 Benzo[k]fluoranthene	252	16.675	16.680	-0.005	98	172920	1.38	M
116 Benzo[a]pyrene	252	16.961	16.961	0.0	69	237600	2.02	
118 Dibenz(a,h)anthracene	278		18.107					
117 Indeno[1,2,3-cd]pyrene	276	18.121	18.107	0.014	86	105095	0.8373	
119 Benzo[g,h,i]perylene	276	18.435	18.421	0.014	76	88712	0.8470	
S 120 3 & 4 Methylphenol	108		0.000					
59 1,2,4,5-Tetrachlorobenzene	216		9.761					19

QC Flag Legend

Processing Flags
1 - Missing Peaks
2 - Failed Coelution 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\X3198.D		
Lims ID:	480-30197-B-7-A	Client ID:	OC-SB-522-0.0/1.0-XXX
Inject. Date:	20-Dec-2012 13:34:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-0017736-009		
Misc. Info.:			
Operator:	ANM	Instrument ID:	HP5973X
Injection Vol:	1.0 ul	ALS Bottle#:	10
Lims Batch ID:	96803	Lims Sample ID:	9
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X-8270LL.m		
Last Update:	09-Mar-2013 09:55:18	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 15:02:18

Tentative Identified Compound Results

RT	Response	Amount ng/uL	Quant Cpnd	Qual	Lib Entry	Flags
		Unknown				
4.187	30365793	102.6	1			
		Unknown				
15.044	880039	2.80	5			
629-94-7		Heneicosane				
15.586	750459	2.39	5	96	109656	
6561-44-0		Octadecane, 3-methyl-				
16.129	2220175	7.07	5	94	16301	
630-1-3		Hexacosane				
17.279	996301	3.46	6	96	112412	
638-66-4		Octadecanal				
17.831	1799234	6.24	6	94	110028	
		Unknown				
18.483	5015084	17.4	6			
		Unknown				
18.568	6560467	22.8	6			
		Unknown				
18.606	2098450	7.28	6			
22611-26-3		D:C-Friedoolean-8-en-3-one				
18.801	22763690	78.9	6	86	84420	

Quantitation Compounds

Compound	RT	Response	Amount ng/uL

Report Date: 09-Mar-2013 09:55:19 Chrom Revision: 2.0 01-Feb-2013 10:03:10
Data File: \\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3198.D

Compound	RT	Response	Amount ng/uL
* 1 1,4-Dichlorobenzene-d4	6.556	1480085	5.00
* 5 Chrysene-d12	15.734	1571212	5.00
* 6 Perylene-d12	17.013	1441740	5.00

QC Flag Legend

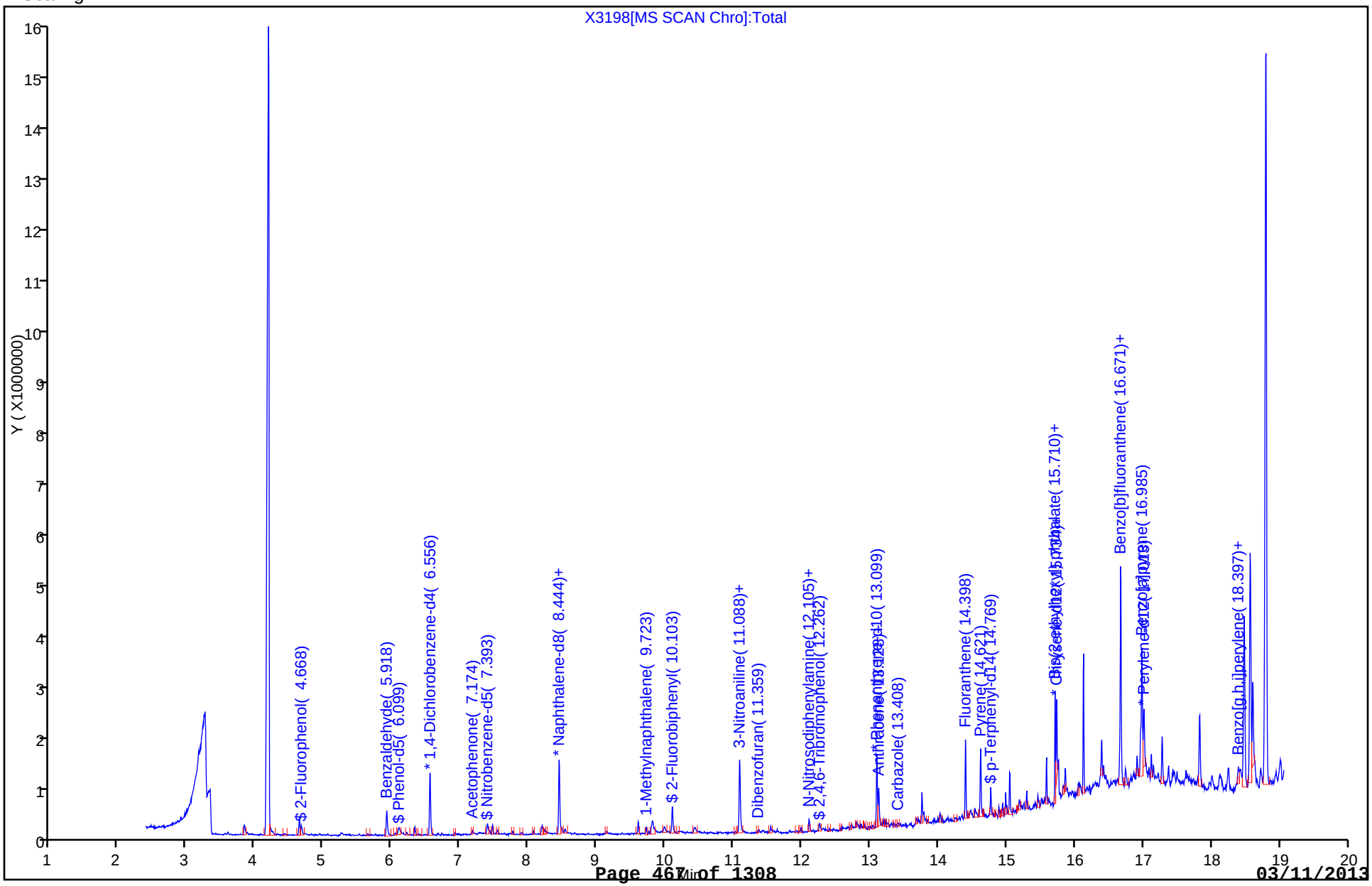
Processing Flags

Report Date: 09-Mar-2013 09:55:19 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3198.D		
Injection Date:	20-Dec-2012 13:34:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-522-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	9
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:

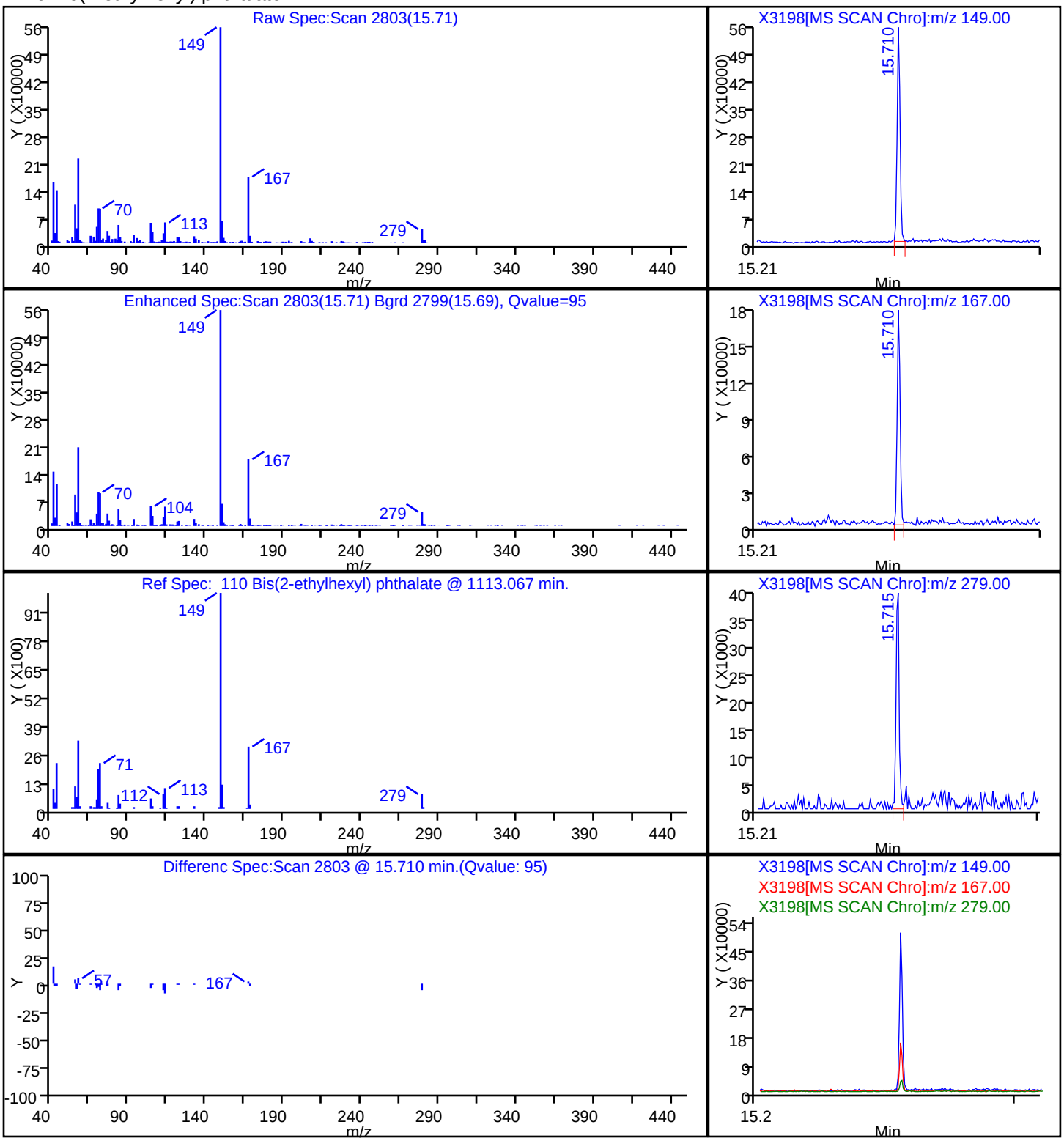


Report Date: 09-Mar-2013 09:55:20 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3198.D		
Injection Date:	20-Dec-2012 13:34:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-522-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	9
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

110 Bis(2-ethylhexyl) phthalate

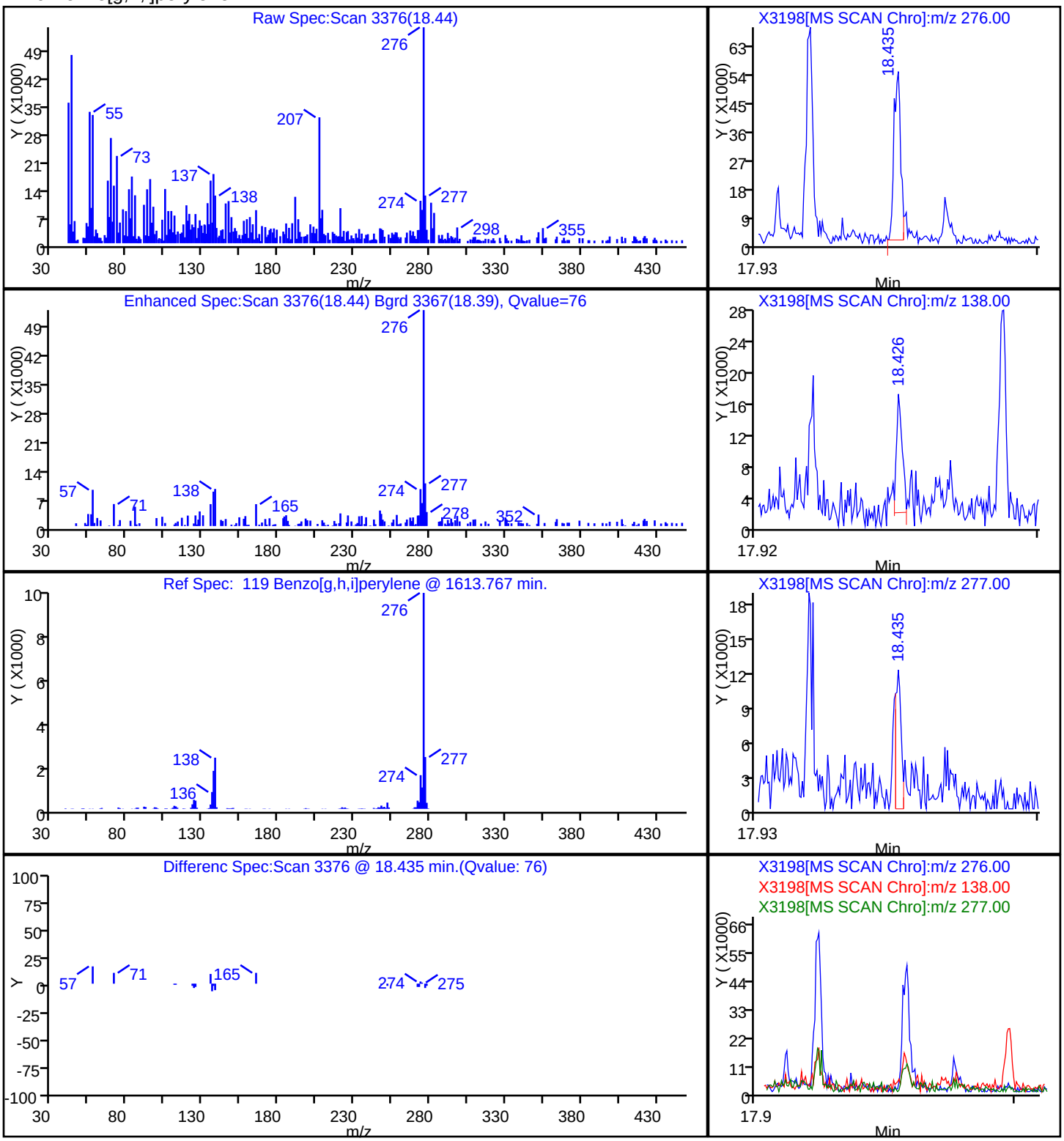


Report Date: 09-Mar-2013 09:55:22 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3198.D		
Injection Date:	20-Dec-2012 13:34:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-522-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	9
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

119 Benzo[g,h,i]perylene

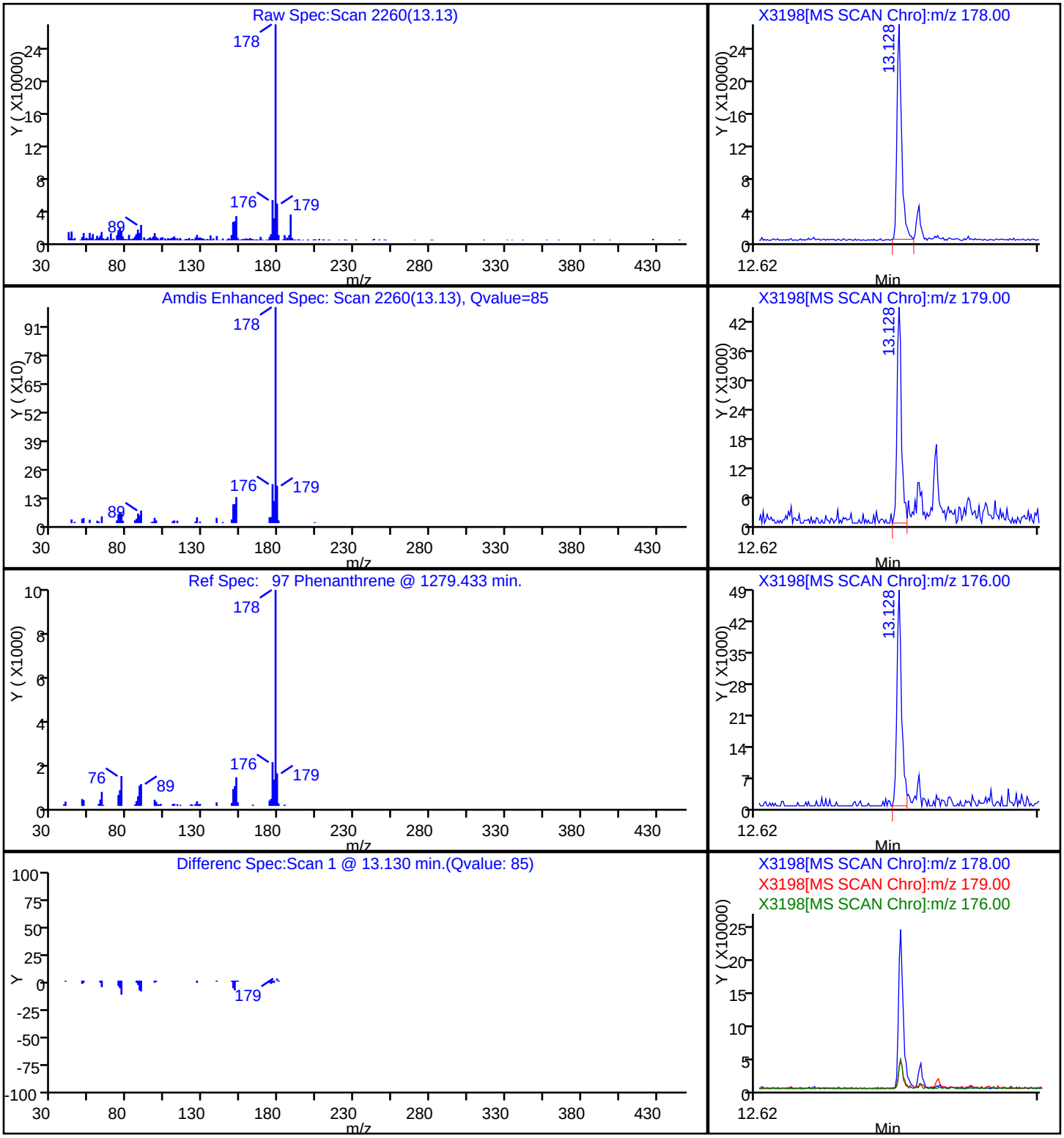


Report Date: 09-Mar-2013 09:55:19 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3198.D		
Injection Date:	20-Dec-2012 13:34:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-522-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	9
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

97 Phenanthrene

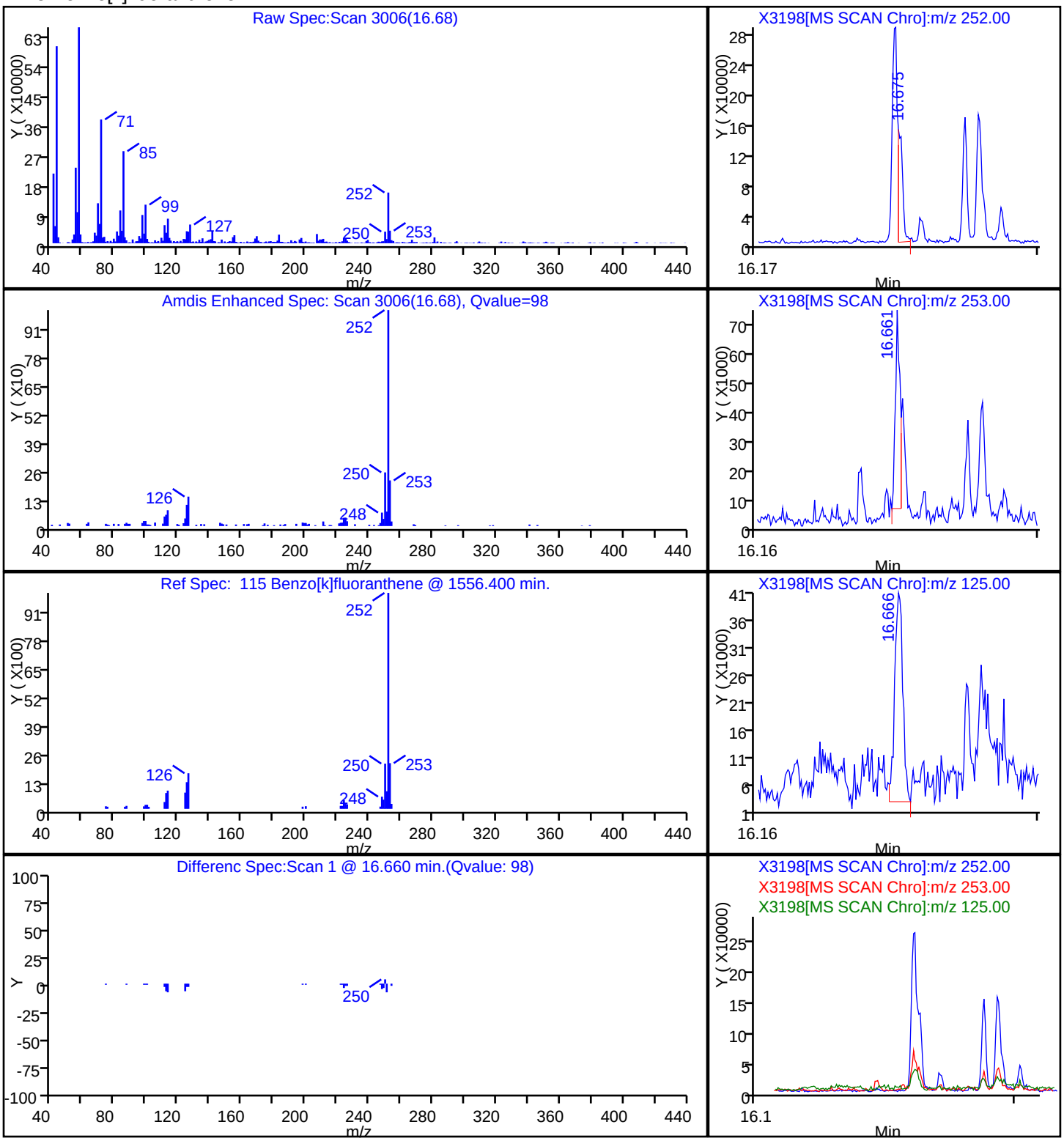


Report Date: 09-Mar-2013 09:55:21 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3198.D		
Injection Date:	20-Dec-2012 13:34:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-522-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	9
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

115 Benzo[k]fluoranthene

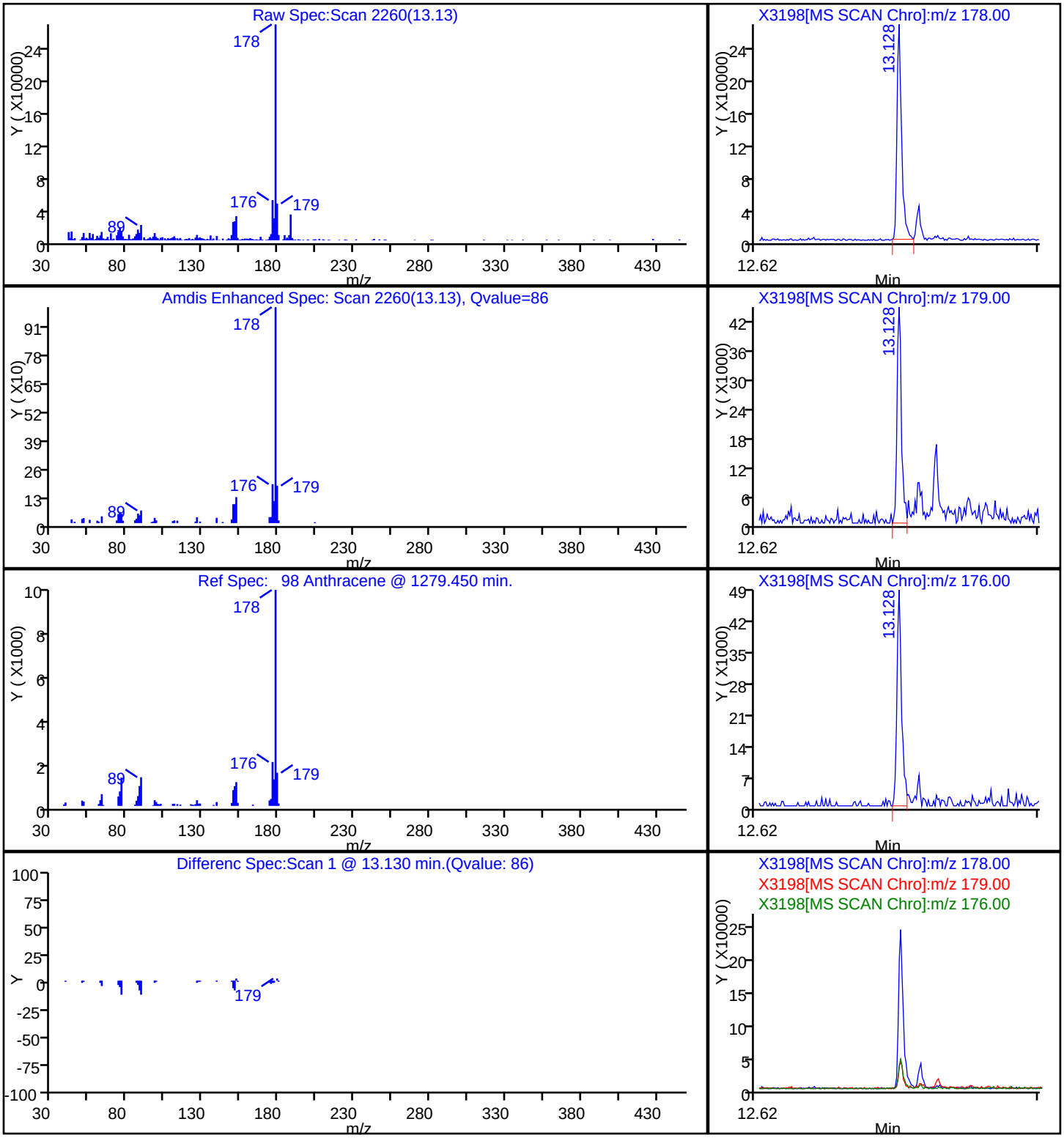


Report Date: 09-Mar-2013 09:55:19 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3198.D		
Injection Date:	20-Dec-2012 13:34:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-522-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	9
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

98 Anthracene

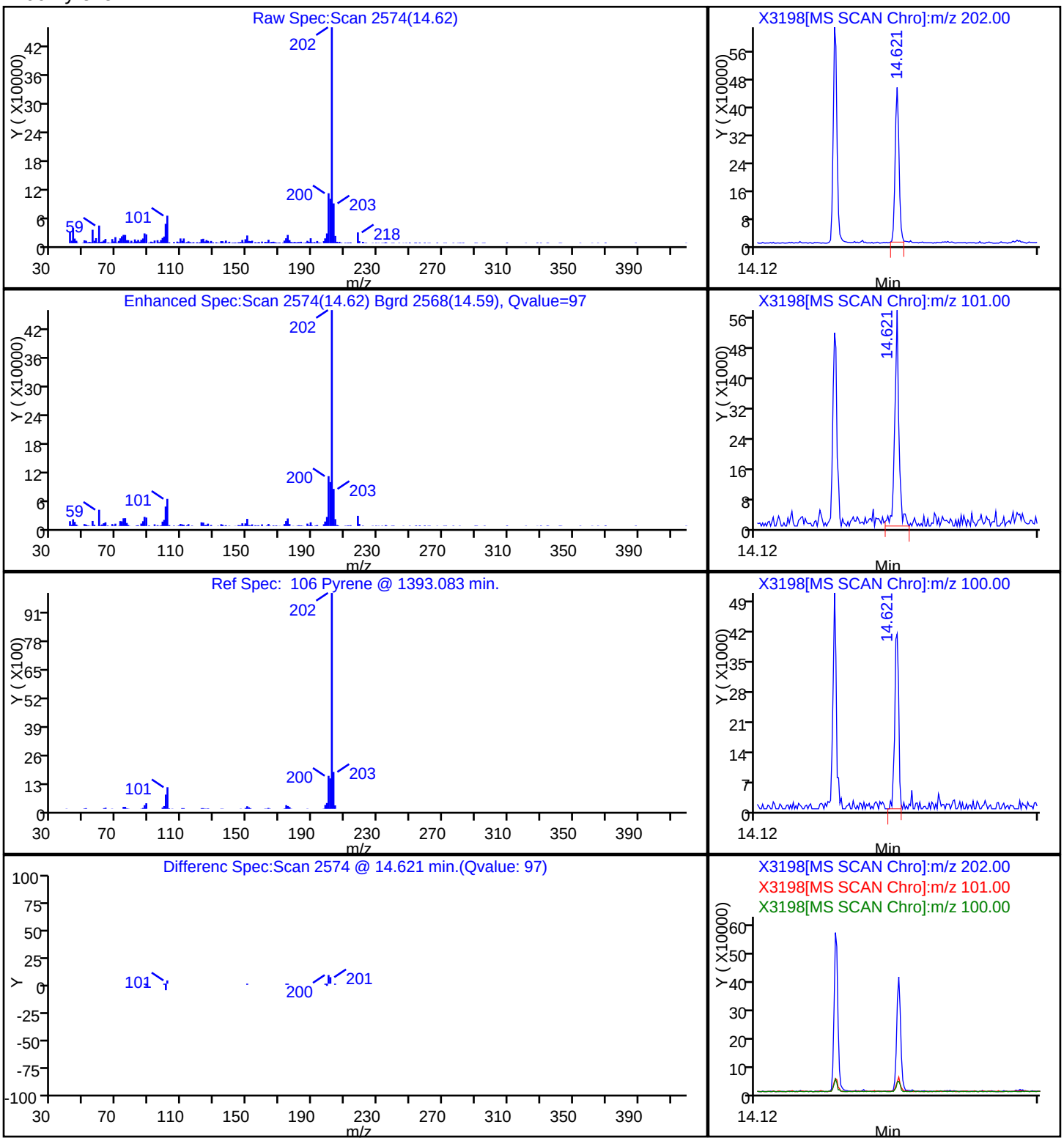


Report Date: 09-Mar-2013 09:55:20 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3198.D		
Injection Date:	20-Dec-2012 13:34:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-522-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	9
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

106 Pyrene

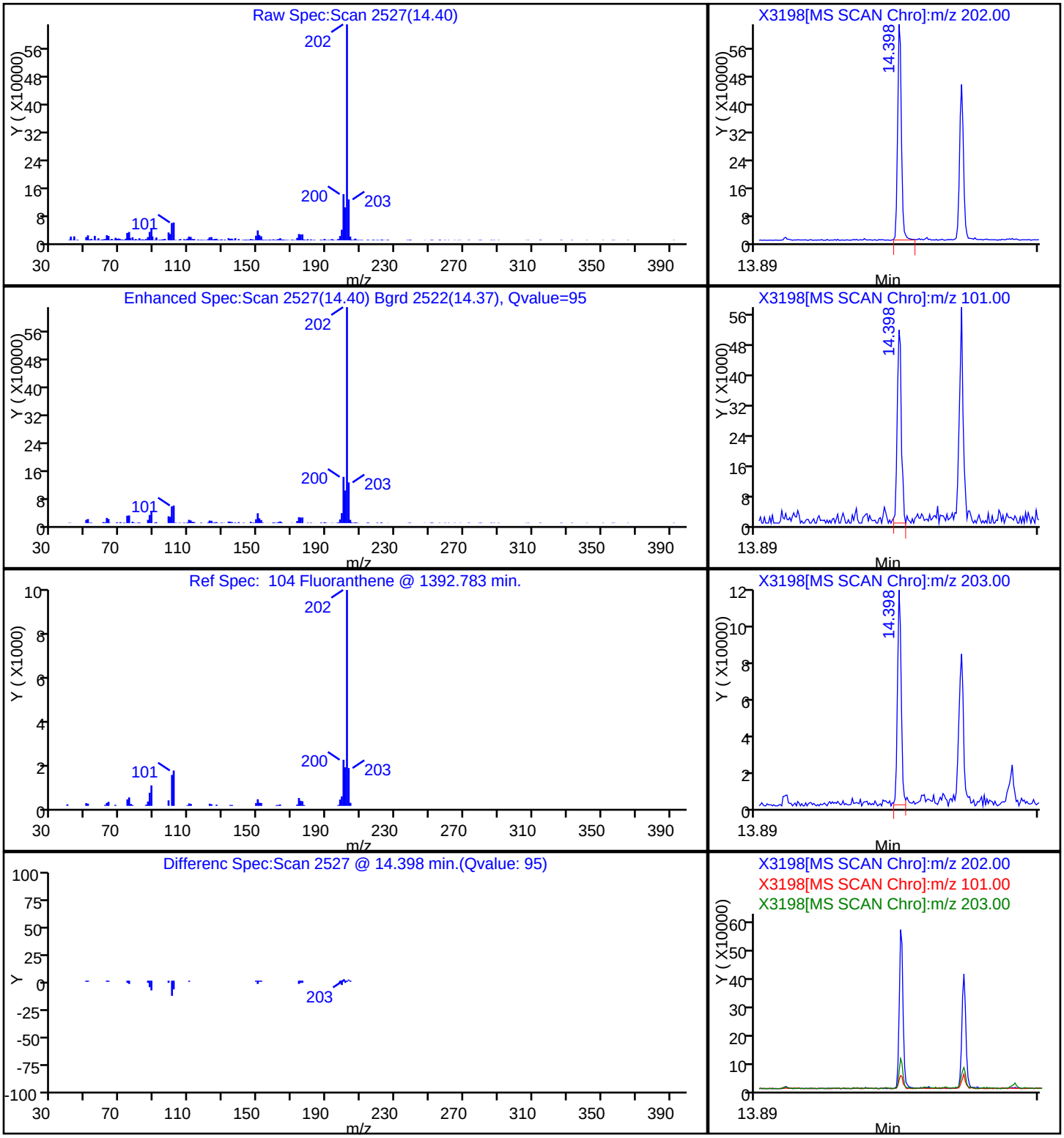


Report Date: 09-Mar-2013 09:55:20 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3198.D		
Injection Date:	20-Dec-2012 13:34:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-522-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	9
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

104 Fluoranthene

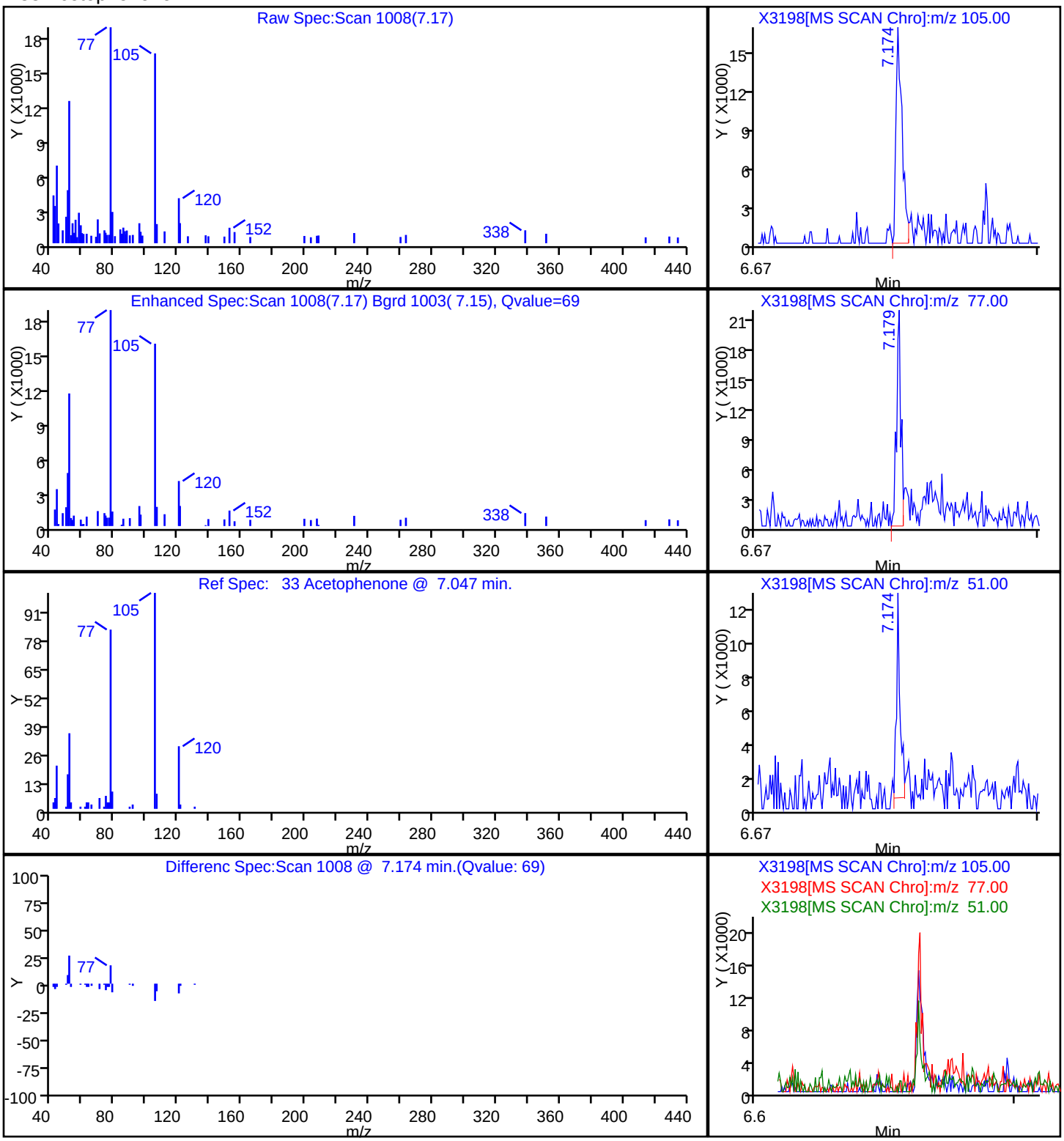


Report Date: 09-Mar-2013 09:55:19 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3198.D		
Injection Date:	20-Dec-2012 13:34:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-522-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	9
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

33 Acetophenone

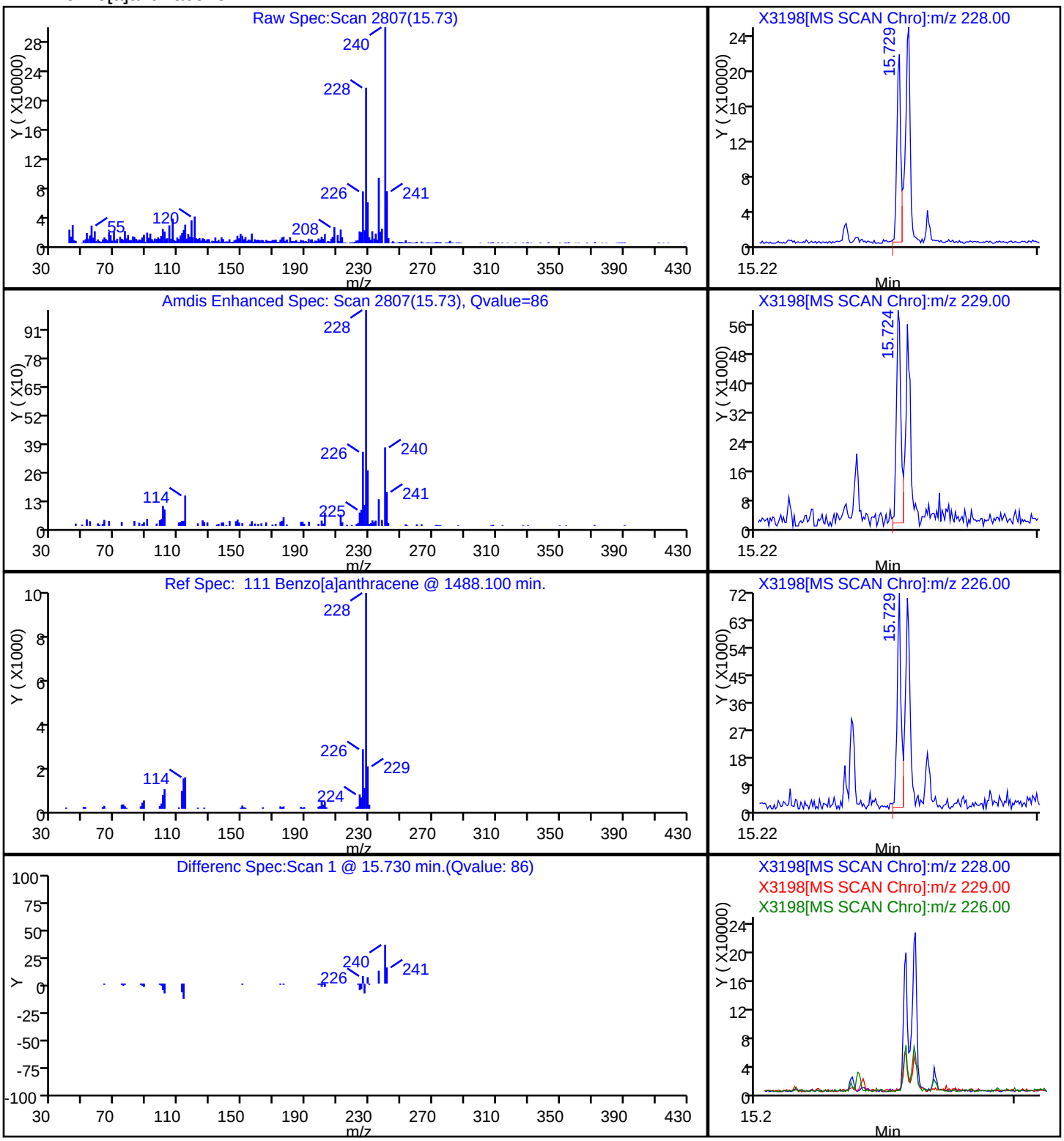


Report Date: 09-Mar-2013 09:55:20 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3198.D		
Injection Date:	20-Dec-2012 13:34:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-522-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	9
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

111 Benzo[a]anthracene

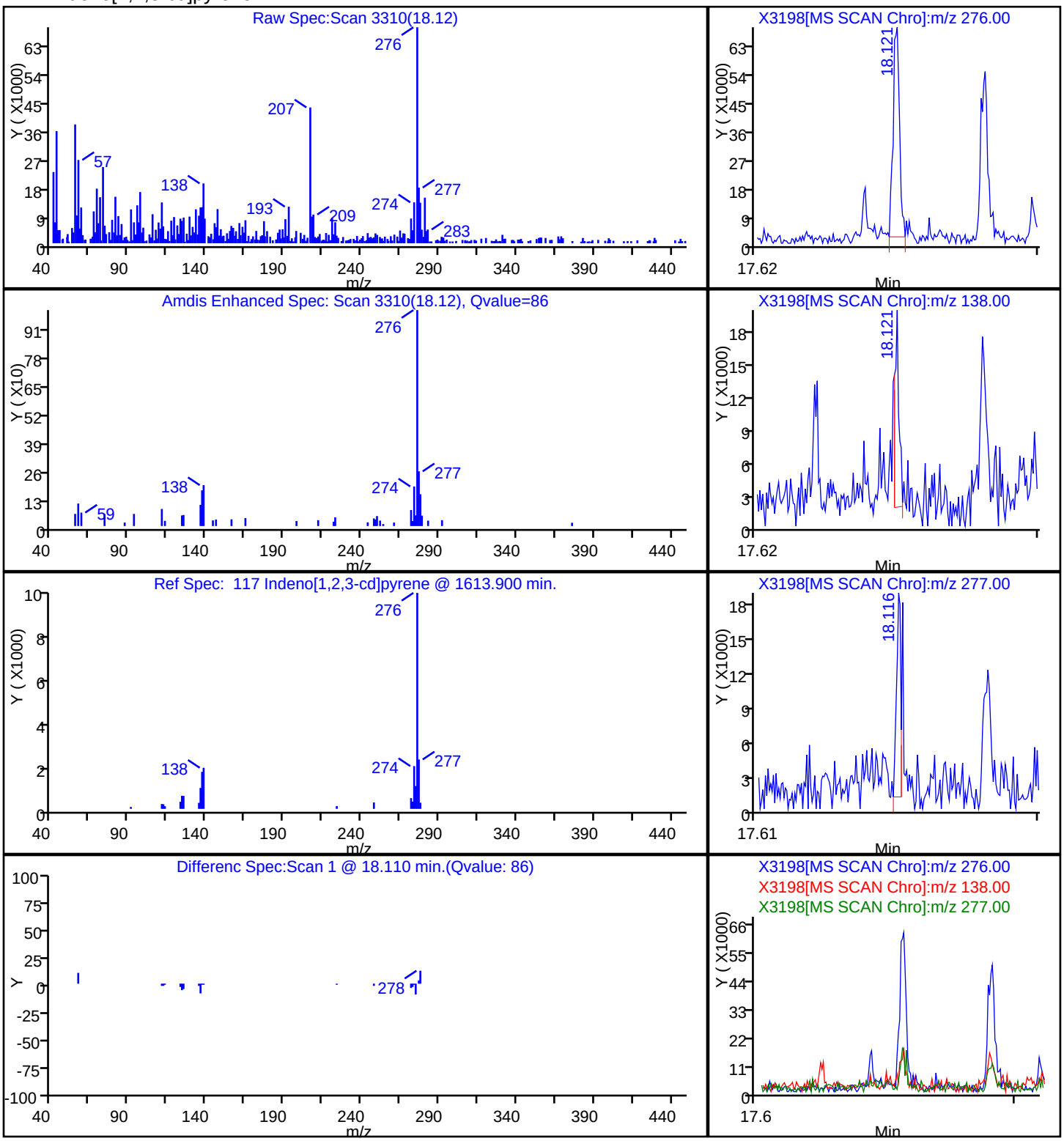


Report Date: 09-Mar-2013 09:55:21 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3198.D		
Injection Date:	20-Dec-2012 13:34:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-522-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	9
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

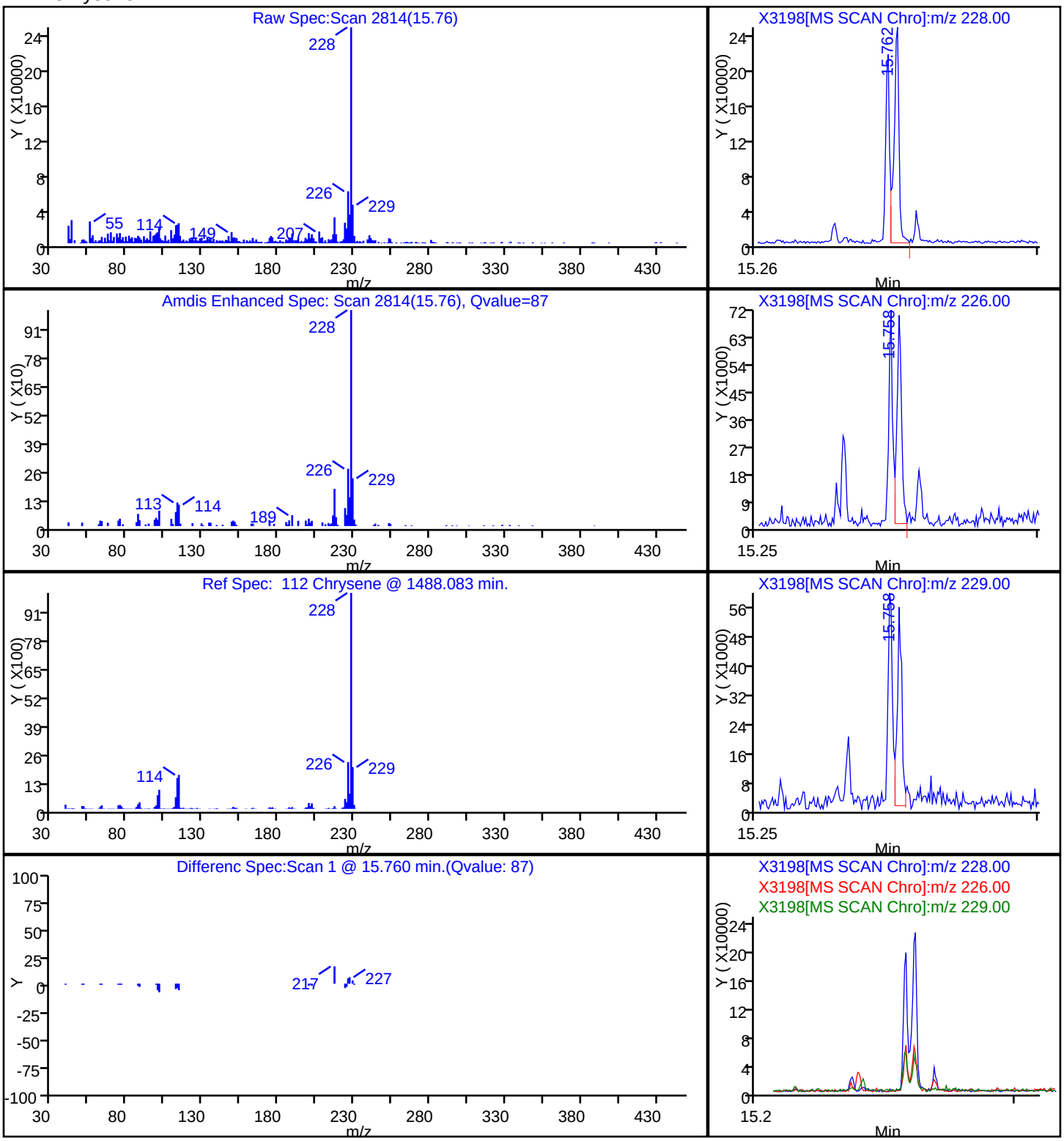


Report Date: 09-Mar-2013 09:55:21 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3198.D		
Injection Date:	20-Dec-2012 13:34:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-522-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	9
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

112 Chrysene

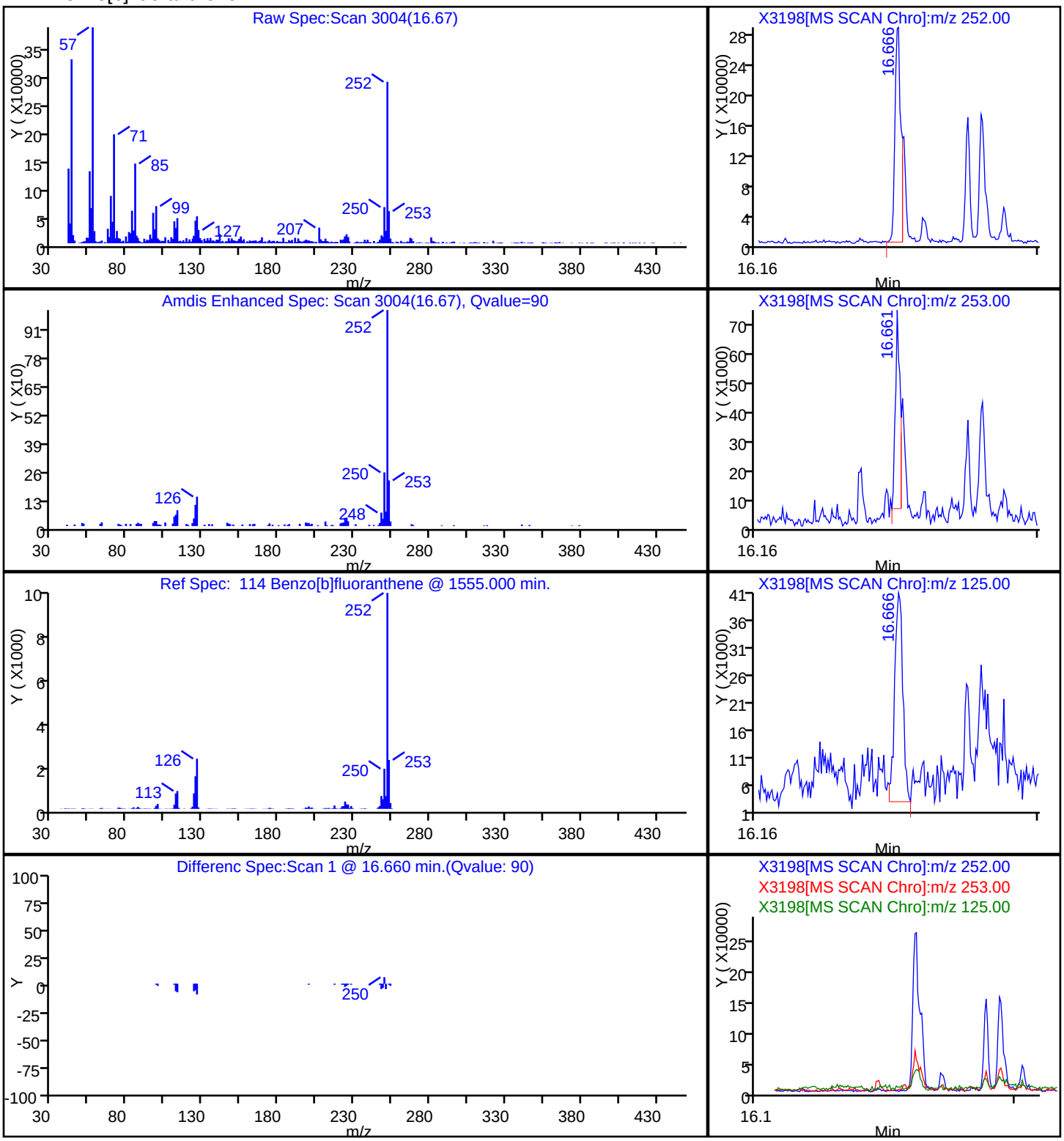


Report Date: 09-Mar-2013 09:55:21 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3198.D		
Injection Date:	20-Dec-2012 13:34:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-522-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	9
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

114 Benzo[b]fluoranthene

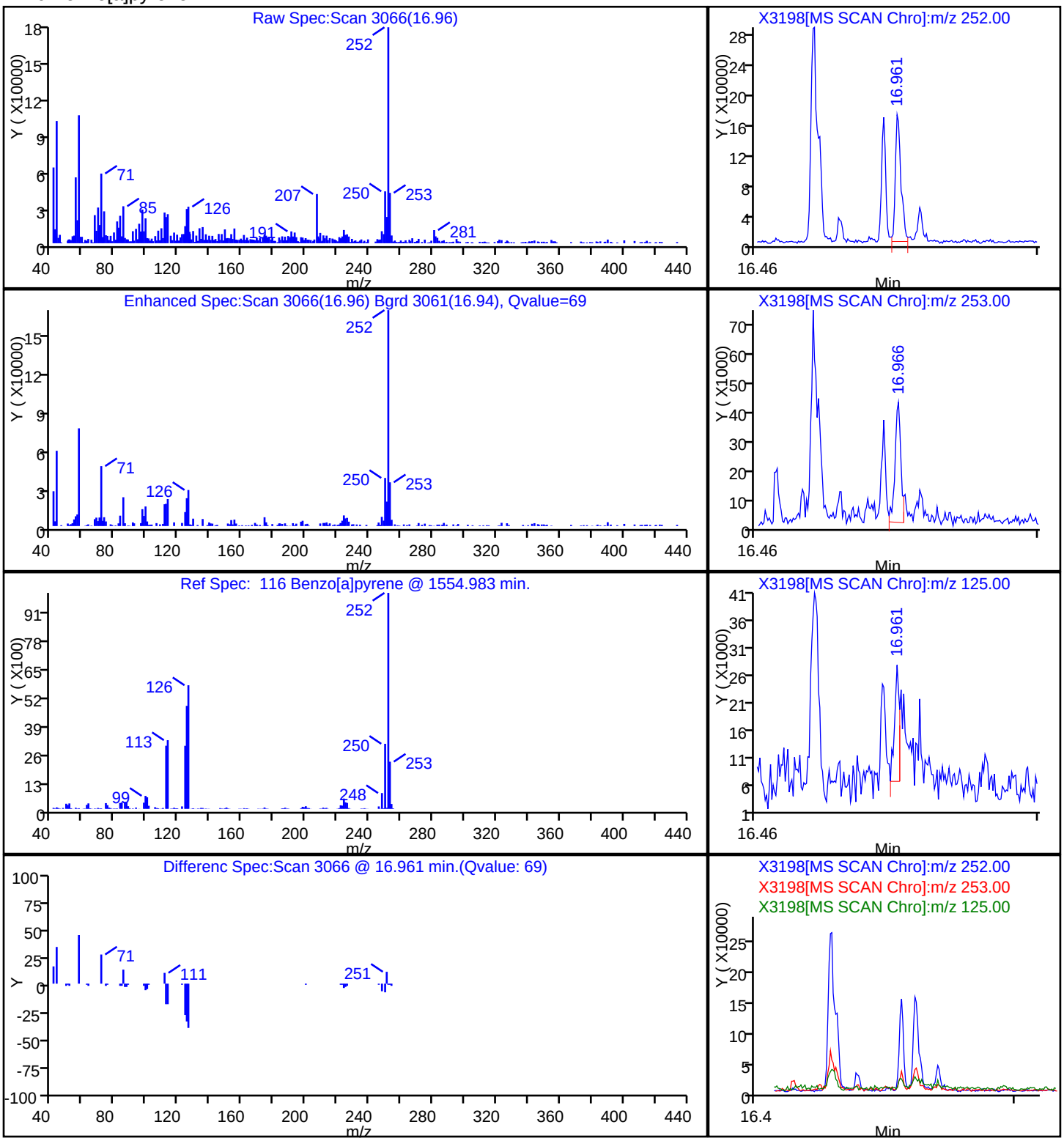


Report Date: 09-Mar-2013 09:55:21 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3198.D		
Injection Date:	20-Dec-2012 13:34:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-522-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	9
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

116 Benzo[a]pyrene

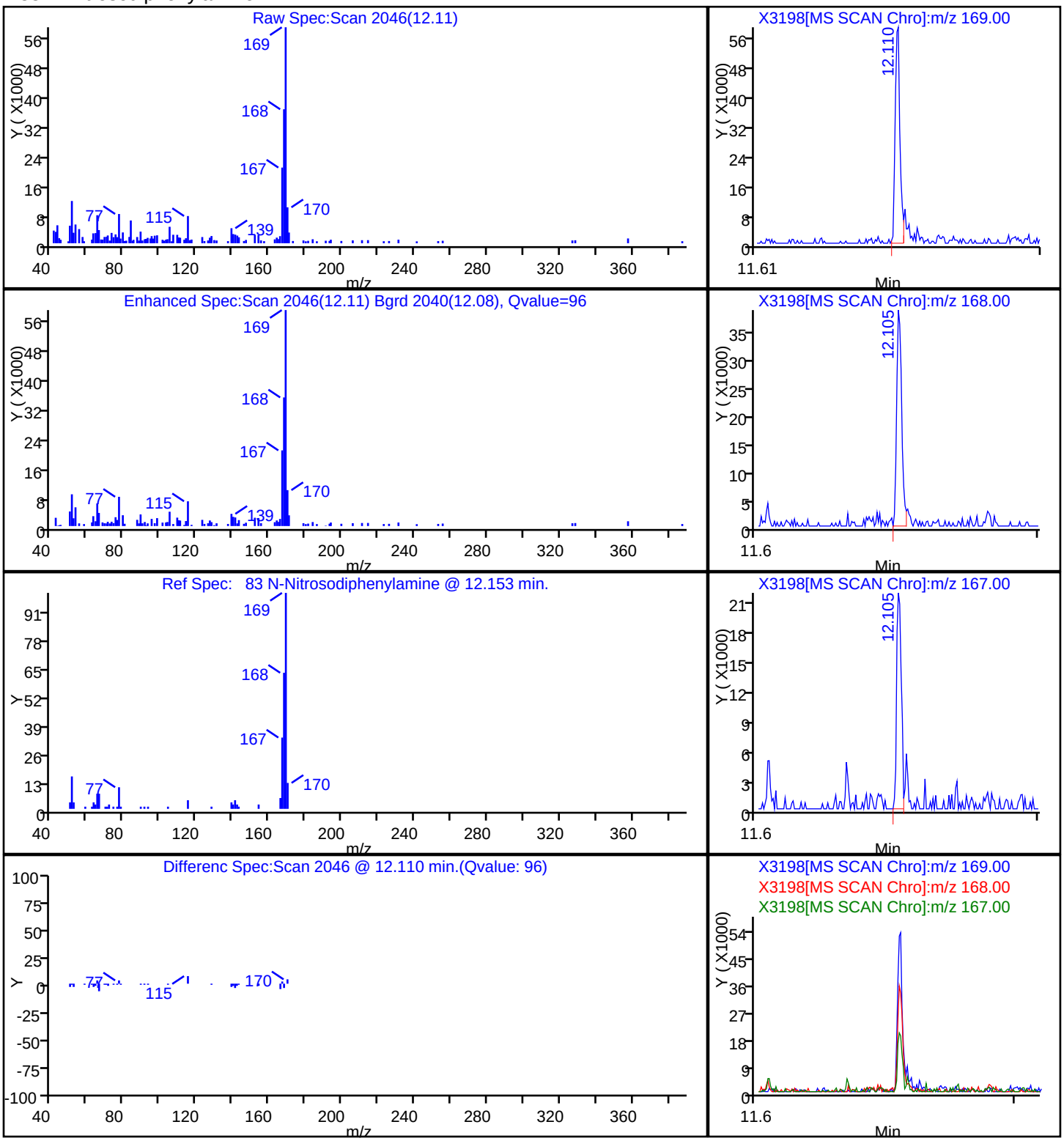


Report Date: 09-Mar-2013 09:55:19 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3198.D		
Injection Date:	20-Dec-2012 13:34:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-522-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	9
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

83 N-Nitrosodiphenylamine

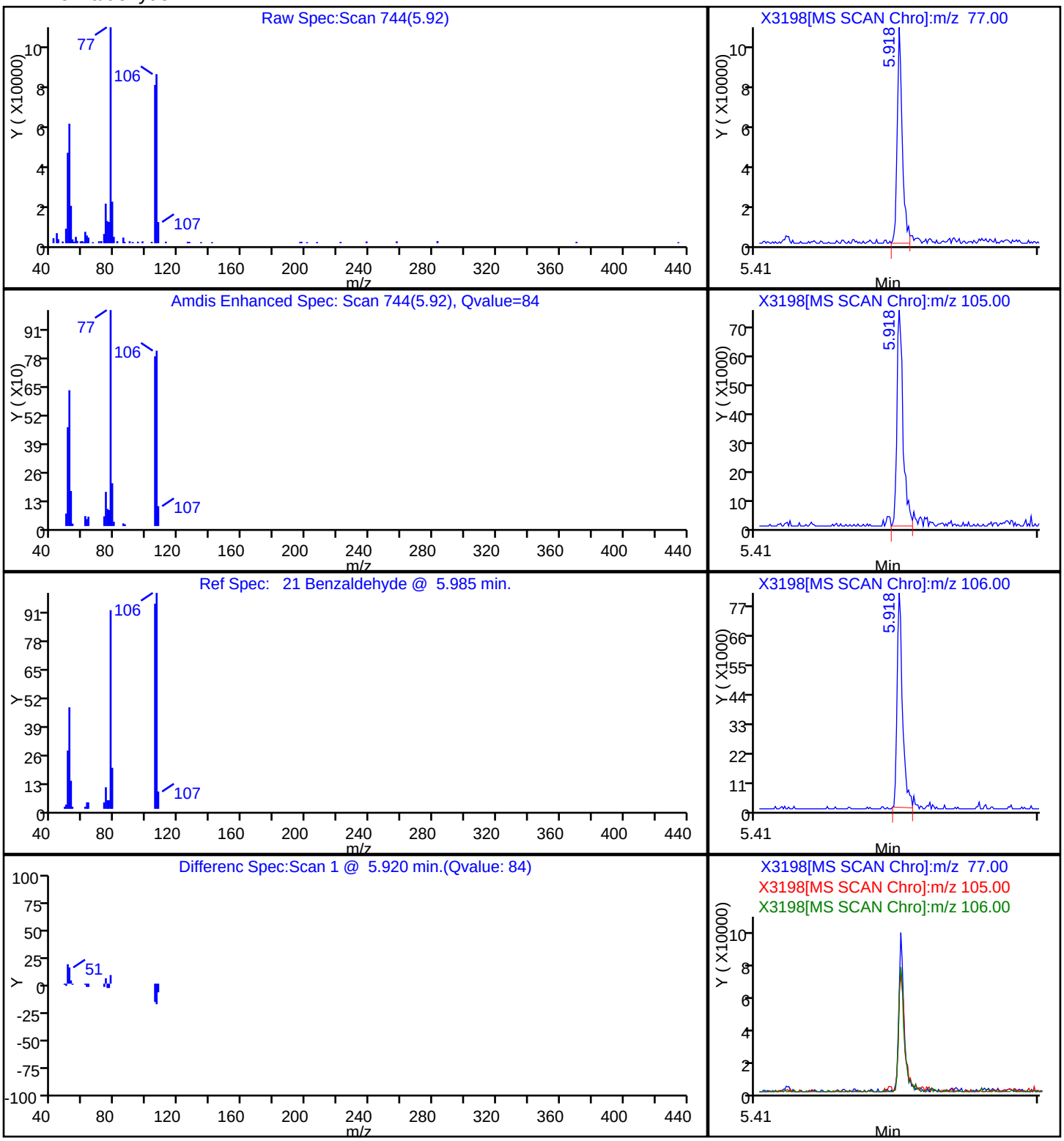


Report Date: 09-Mar-2013 09:55:19 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3198.D		
Injection Date:	20-Dec-2012 13:34:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-522-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	9
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

21 Benzaldehyde



Manual Integration/User Assign Peak Report

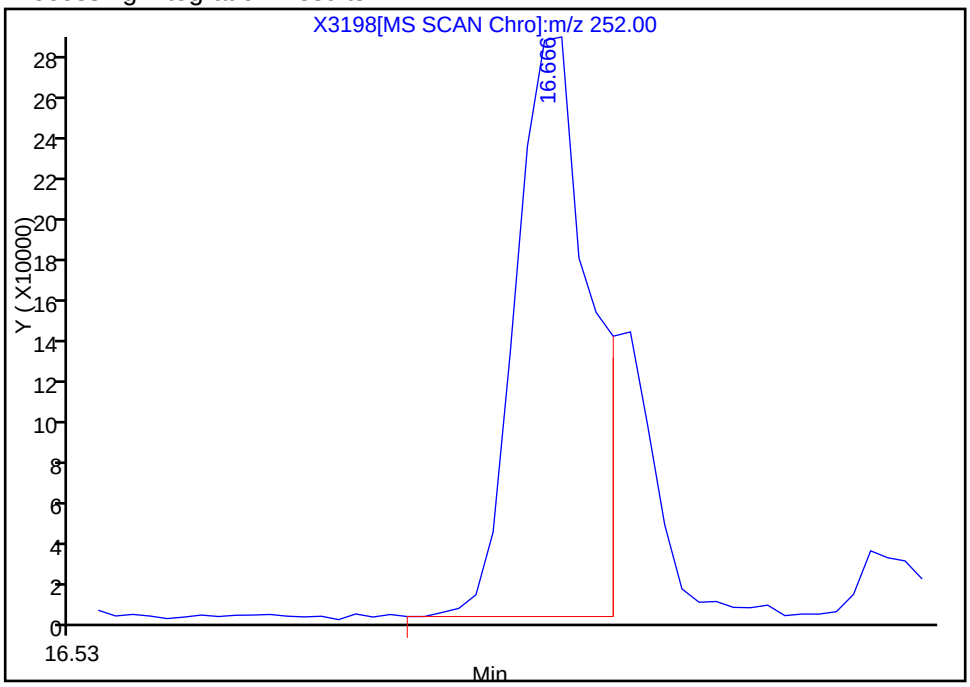
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3198.D		
Injection Date:	20-Dec-2012 13:34:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-522-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	9
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

115 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 16.68

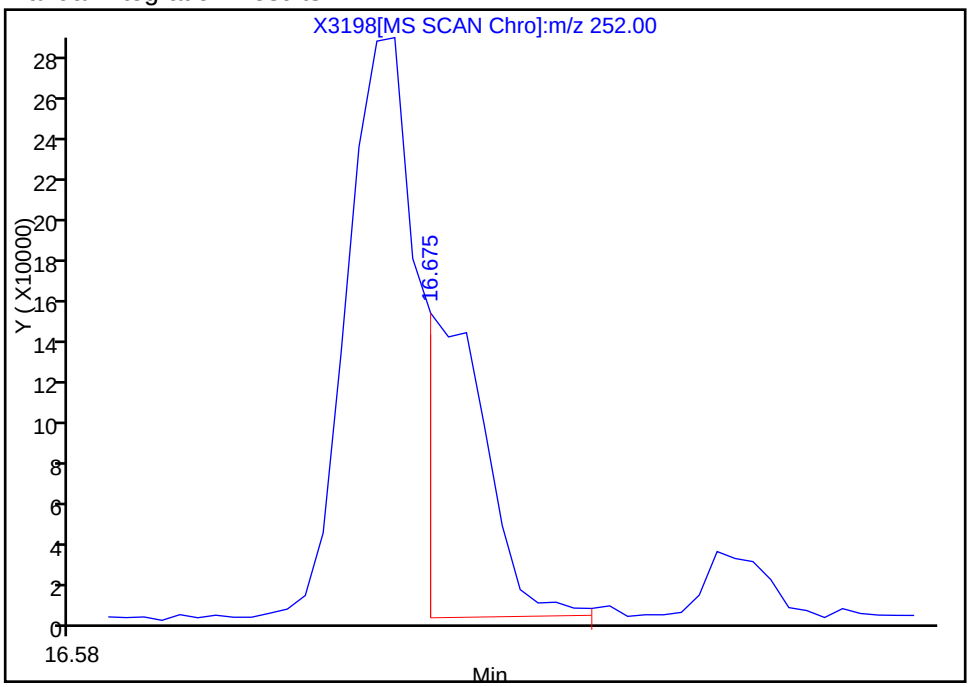
Processing Integration Results

RT: 16.67
Response: 418220
Amount: 3.337155



Manual Integration Results

RT: 16.68
Response: 172920
Amount: 1.379802



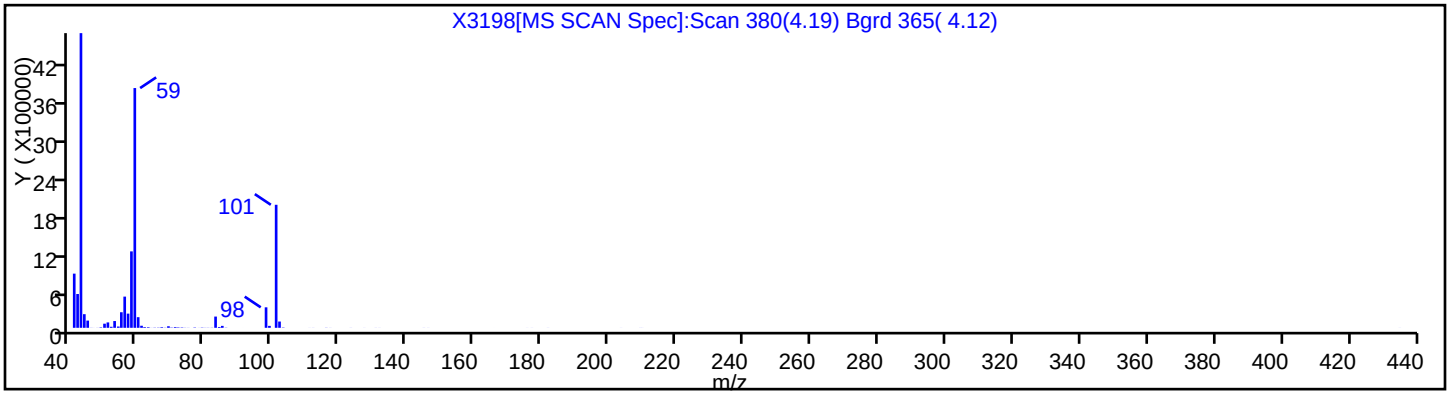
Reviewer: mckernar, 20-Dec-2012 15:02:18
Audit Action: Manually Integrated
Audit Reason: Split Peak

Report Date: 09-Mar-2013 09:55:22 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3198.D		
Injection Date:	20-Dec-2012 13:34:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-522-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	9
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

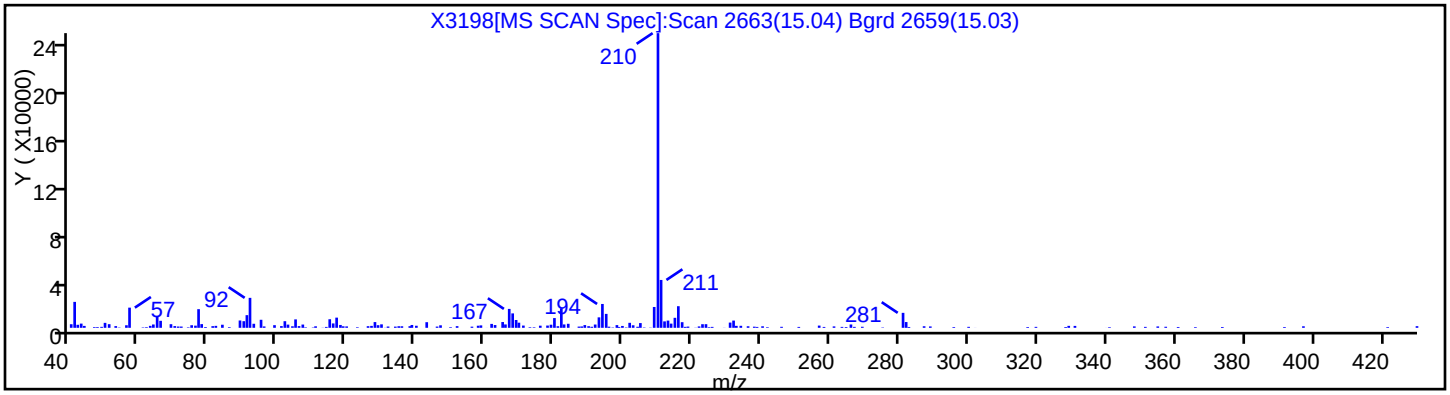


Report Date: 09-Mar-2013 09:55:22 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3198.D		
Injection Date:	20-Dec-2012 13:34:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-522-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	9
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

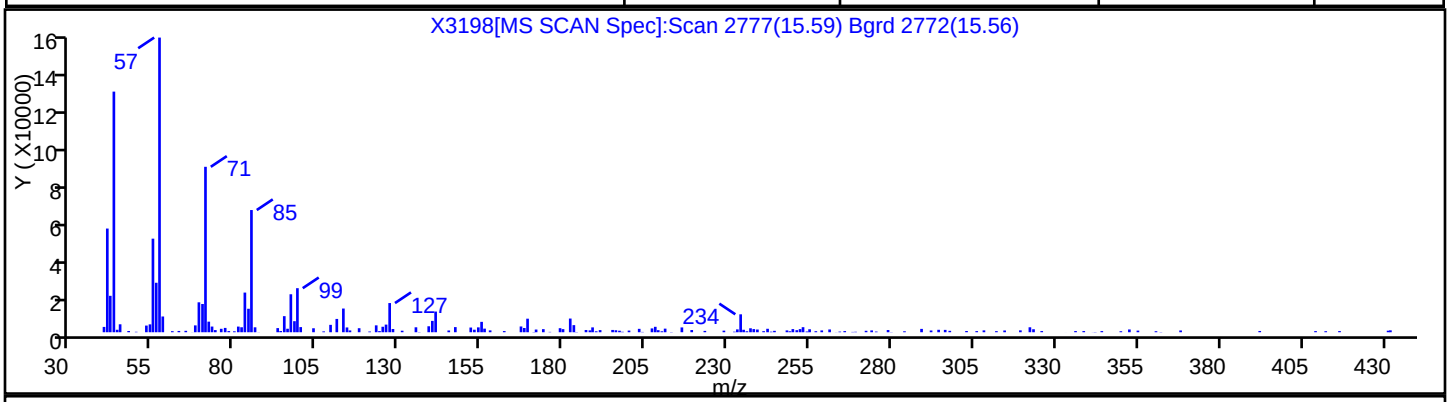


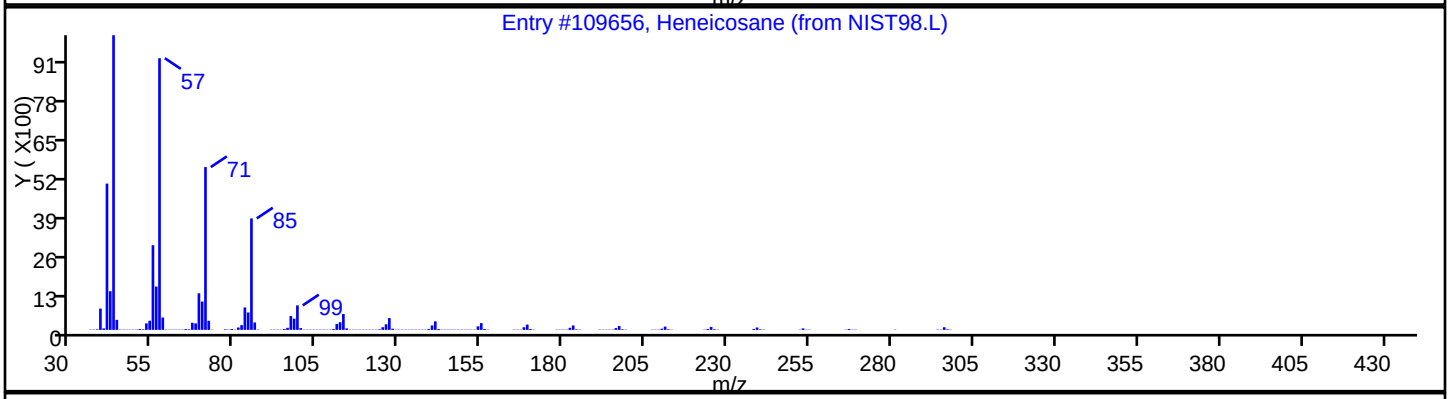
Report Date: 09-Mar-2013 09:55:22 Chrom Revision: 2.0 01-Feb-2013 10:03:10

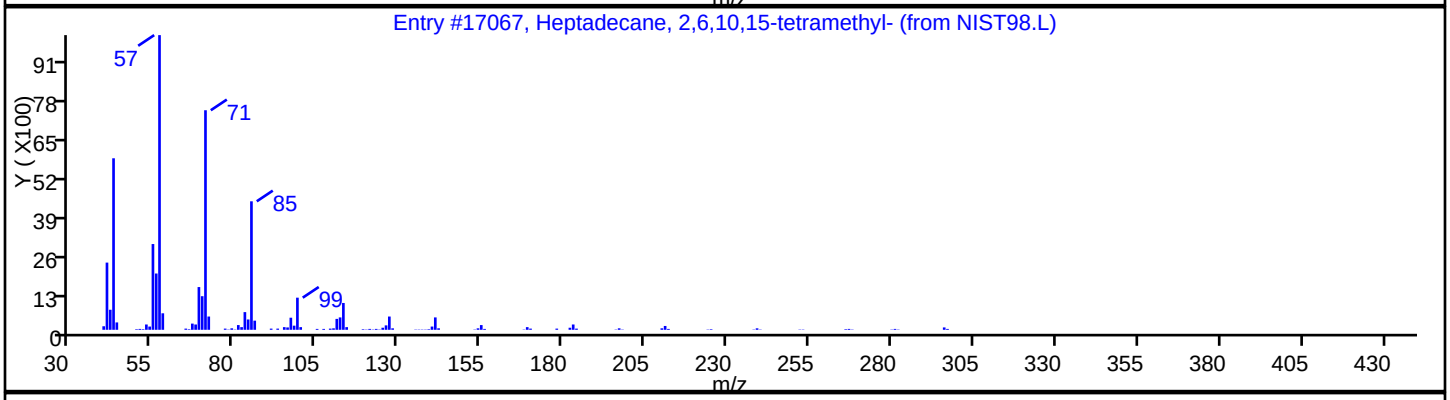
TestAmerica Buffalo

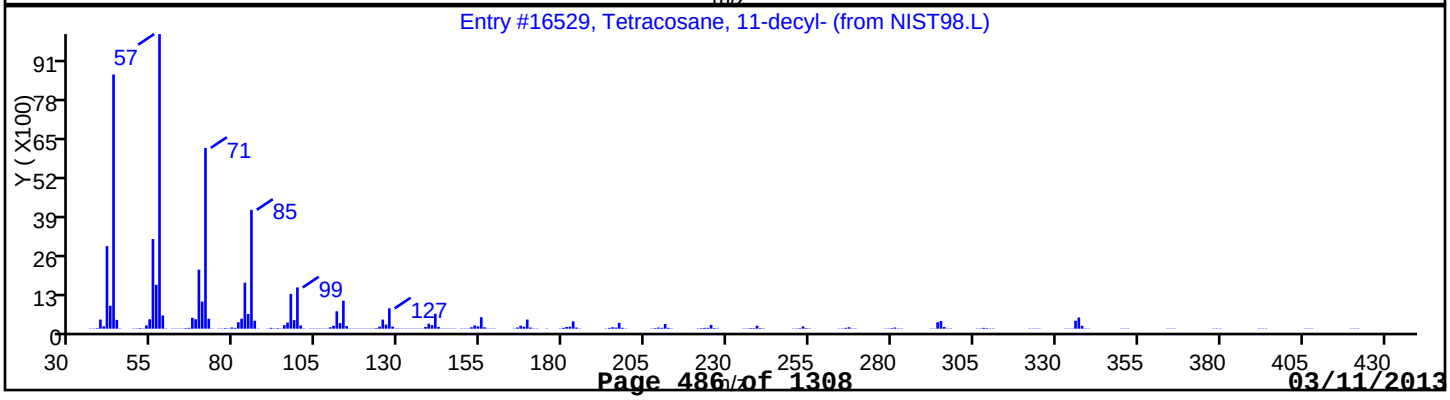
Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3198.D		
Injection Date:	20-Dec-2012 13:34:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-522-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	9
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Heneicosane	629-94-7	NIST98.L	109656	96
Heptadecane, 2,6,10,15-tetramethyl-	54833-48-6	NIST98.L	17067	95
Tetracosane, 11-decyl-	55429-84-0	NIST98.L	16529	90







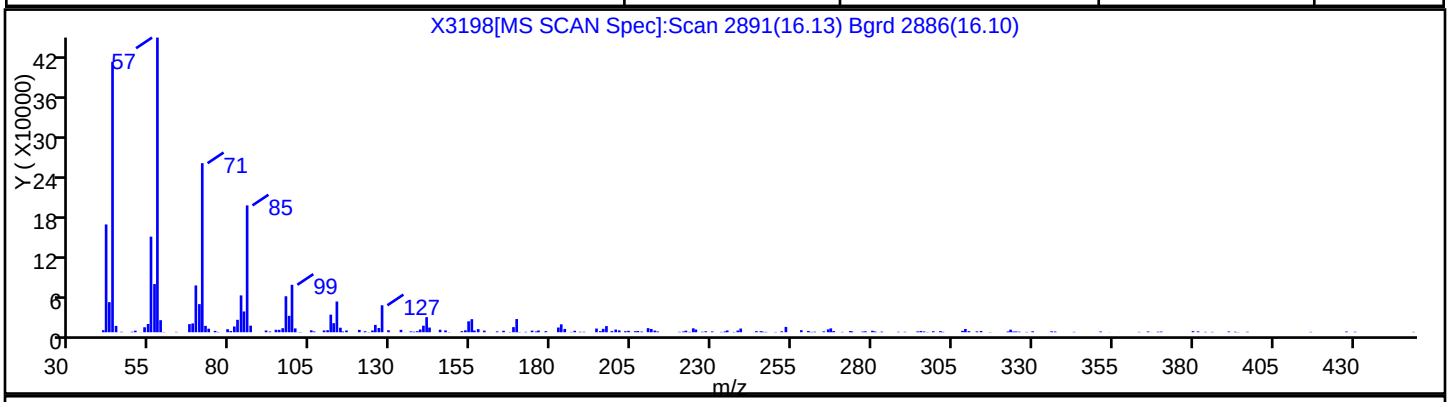


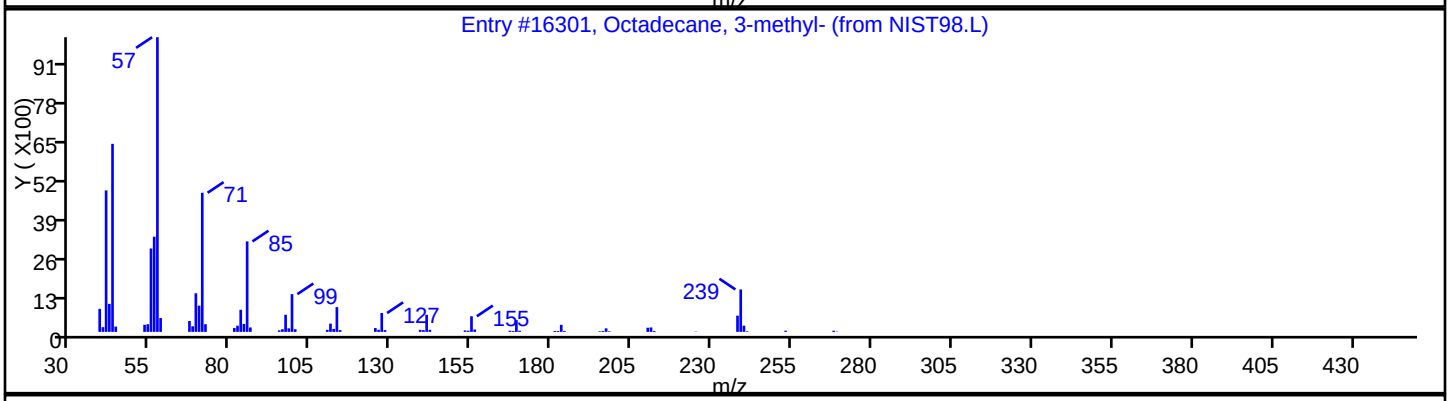
Report Date: 09-Mar-2013 09:55:22 Chrom Revision: 2.0 01-Feb-2013 10:03:10

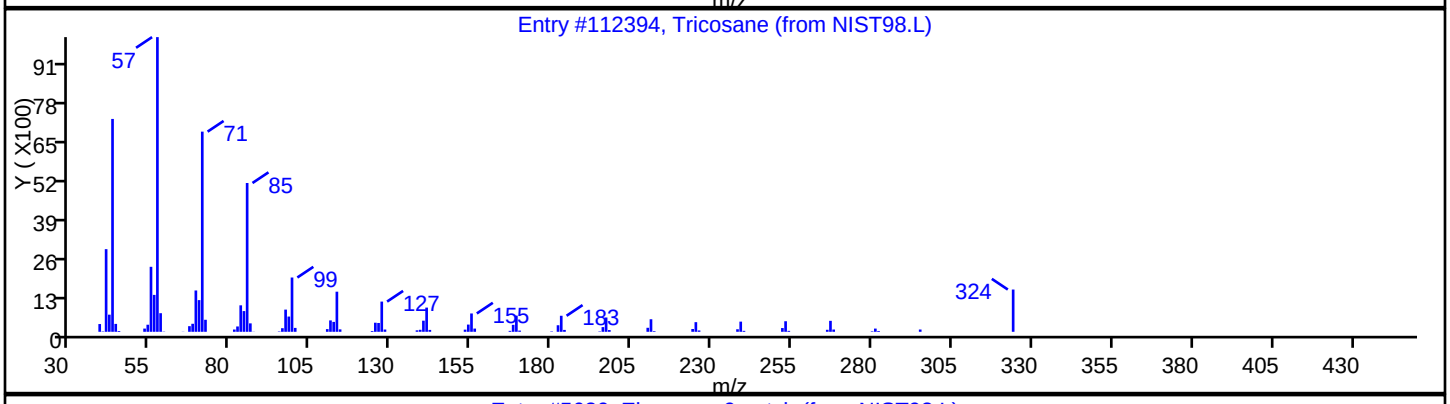
TestAmerica Buffalo

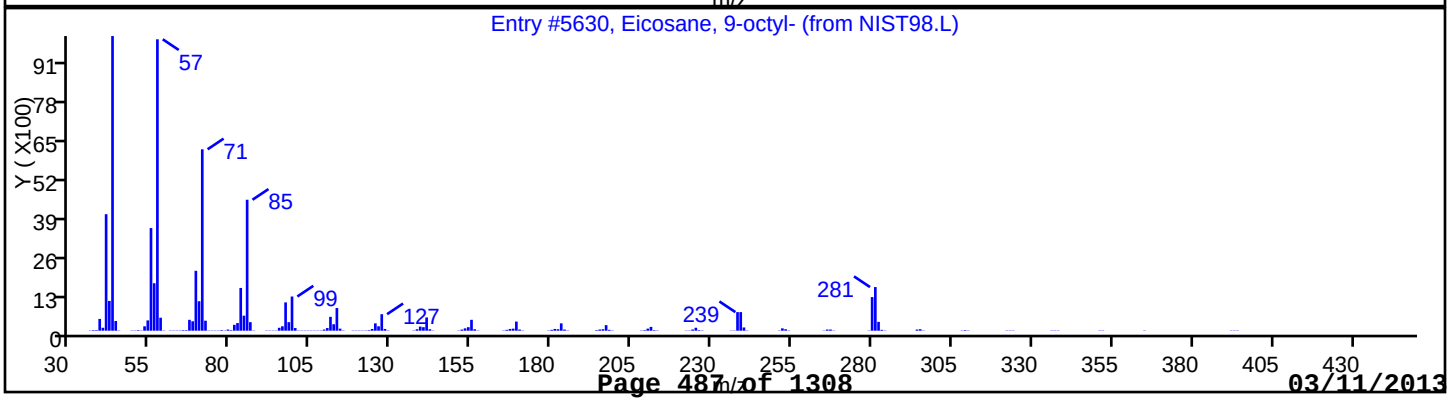
Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3198.D		
Injection Date:	20-Dec-2012 13:34:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-522-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	9
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Octadecane, 3-methyl-	6561-44-0	NIST98.L	16301	94
Tricosane	638-67-5	NIST98.L	112394	93
Eicosane, 9-octyl-	13475-77-9	NIST98.L	5630	93







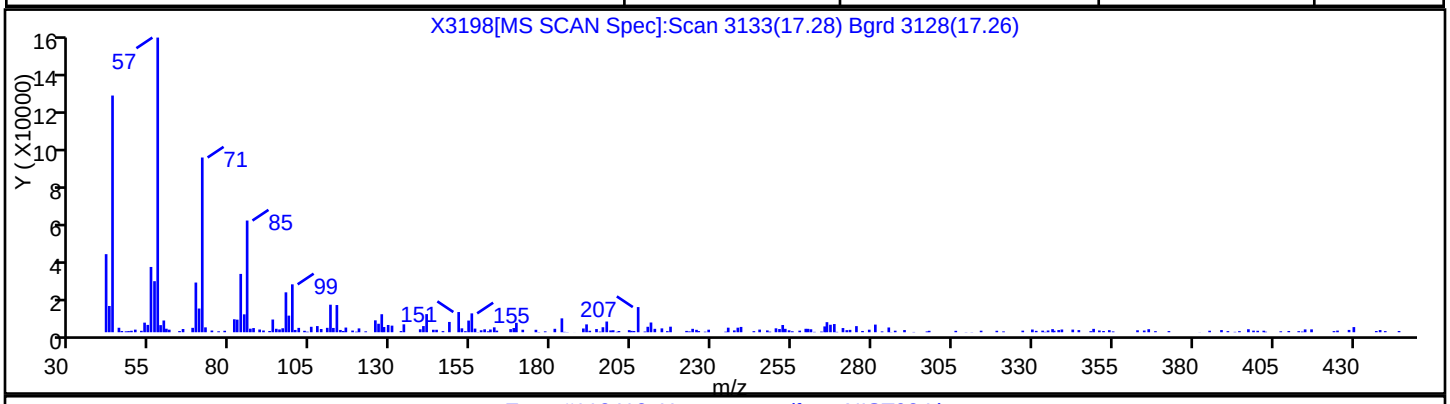


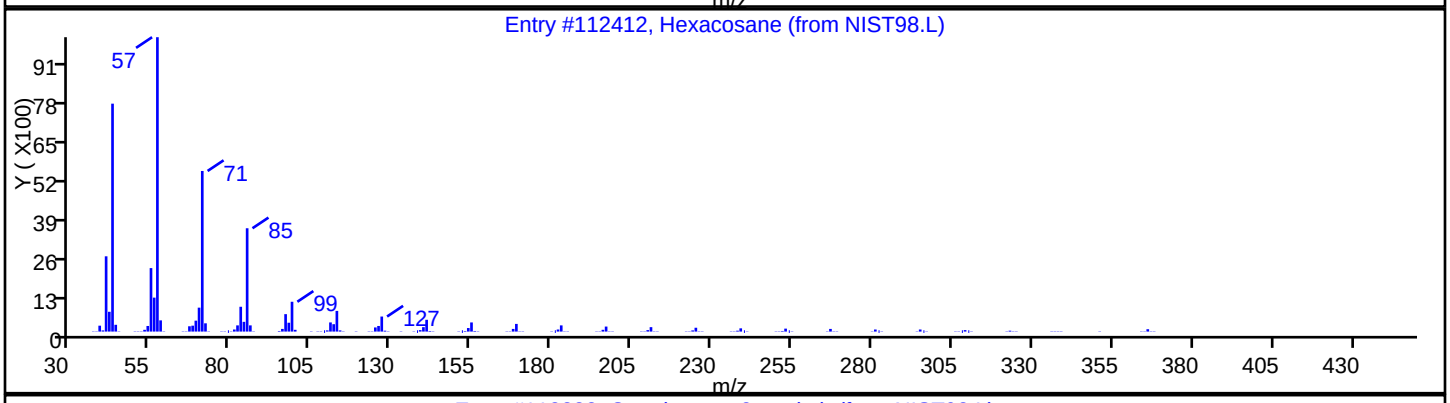
Report Date: 09-Mar-2013 09:55:22 Chrom Revision: 2.0 01-Feb-2013 10:03:10

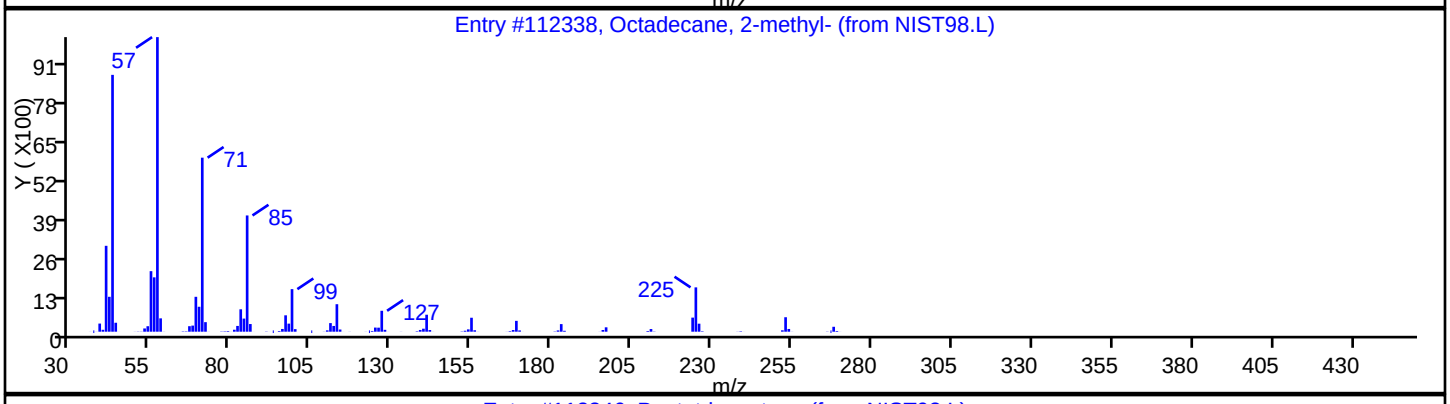
TestAmerica Buffalo

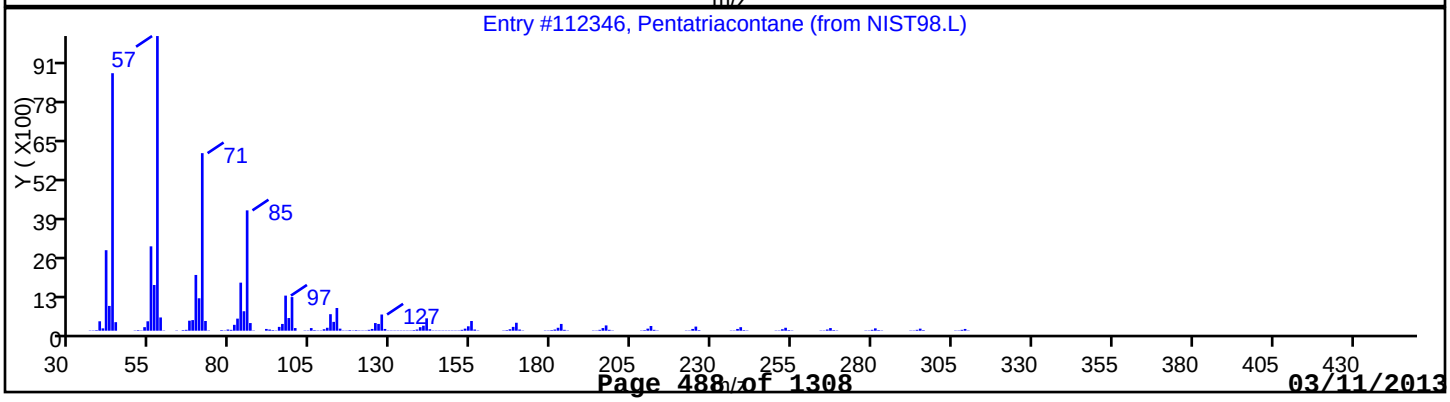
Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3198.D		
Injection Date:	20-Dec-2012 13:34:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-522-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	9
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Hexacosane	630-1-3	NIST98.L	112412	96
Octadecane, 2-methyl-	1560-88-9	NIST98.L	112338	91
Pentatriacontane	630-7-9	NIST98.L	112346	90







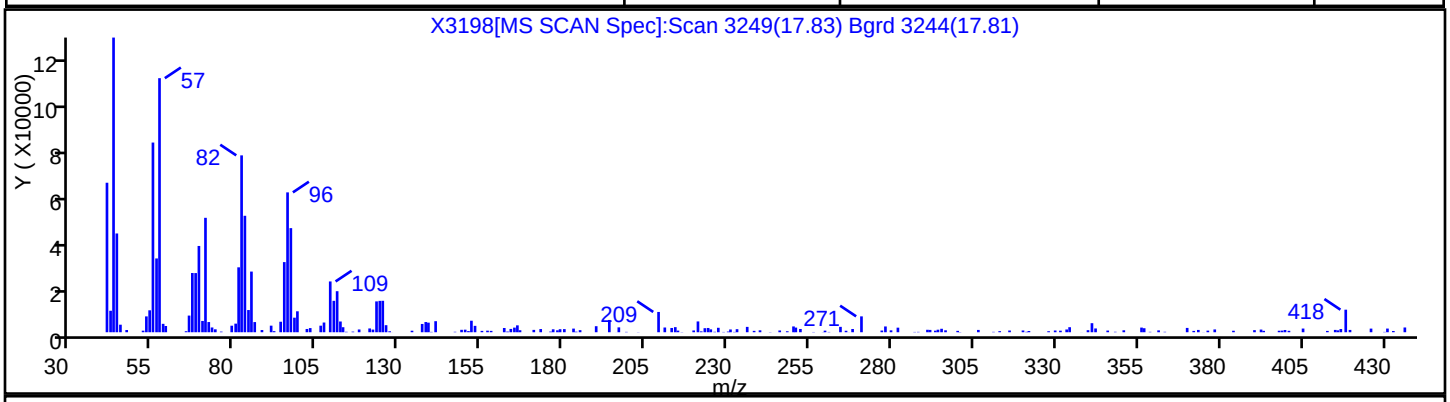


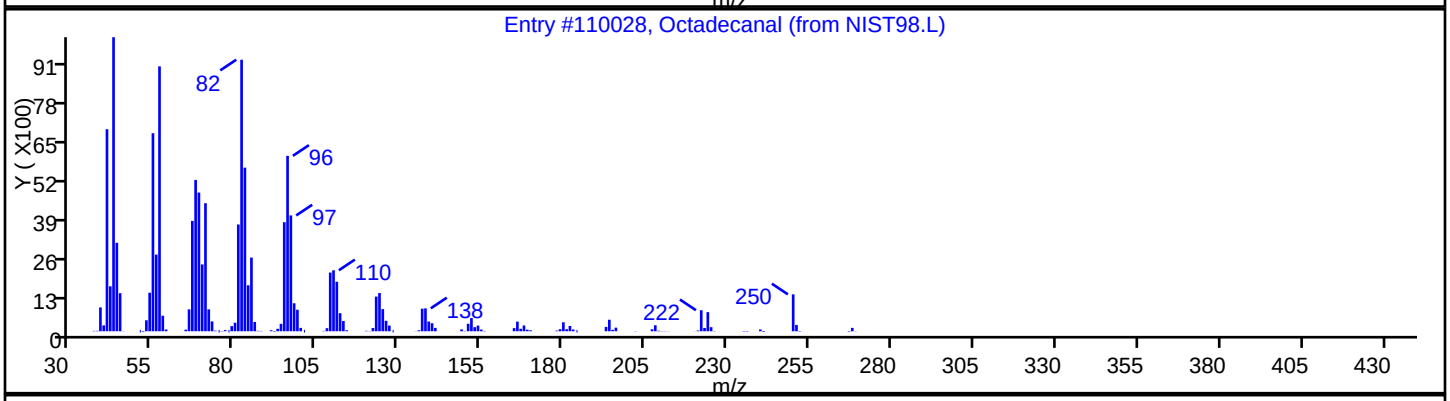
Report Date: 09-Mar-2013 09:55:22 Chrom Revision: 2.0 01-Feb-2013 10:03:10

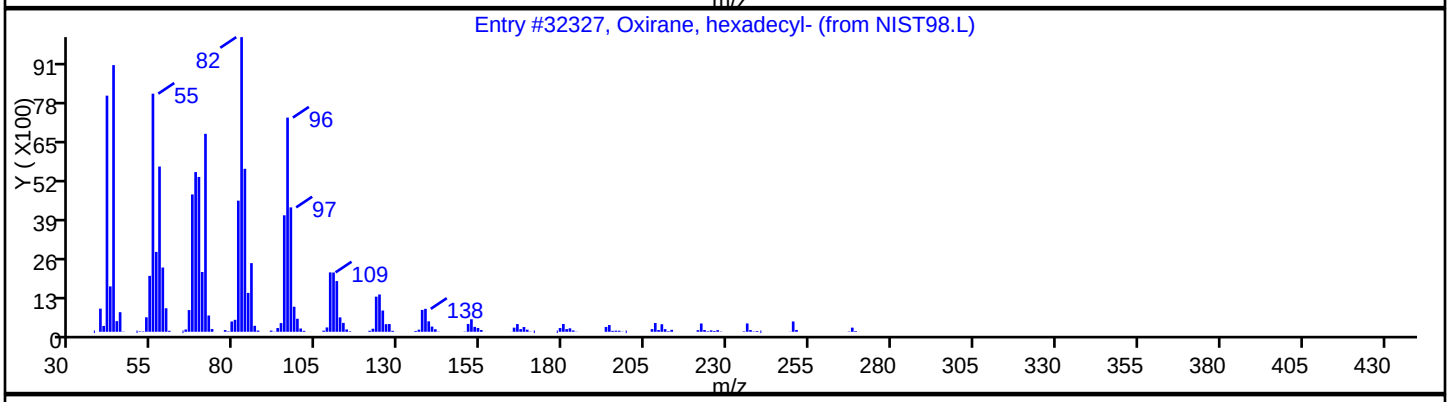
TestAmerica Buffalo

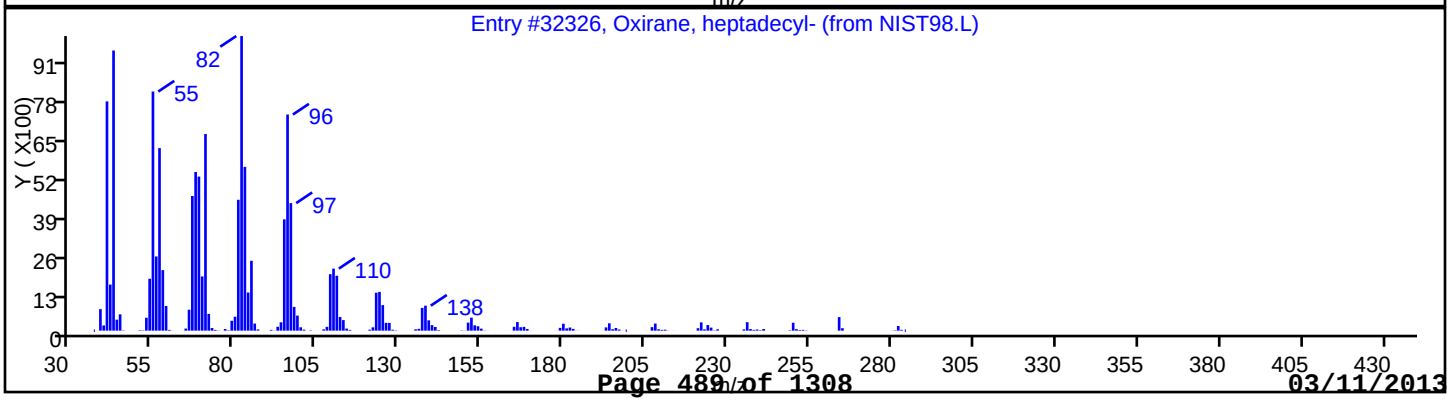
Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3198.D		
Injection Date:	20-Dec-2012 13:34:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-522-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	9
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Octadecanal	638-66-4	NIST98.L	110028	94
Oxirane, hexadecyl-	7390-81-0	NIST98.L	32327	93
Oxirane, heptadecyl-	67860-4-2	NIST98.L	32326	91







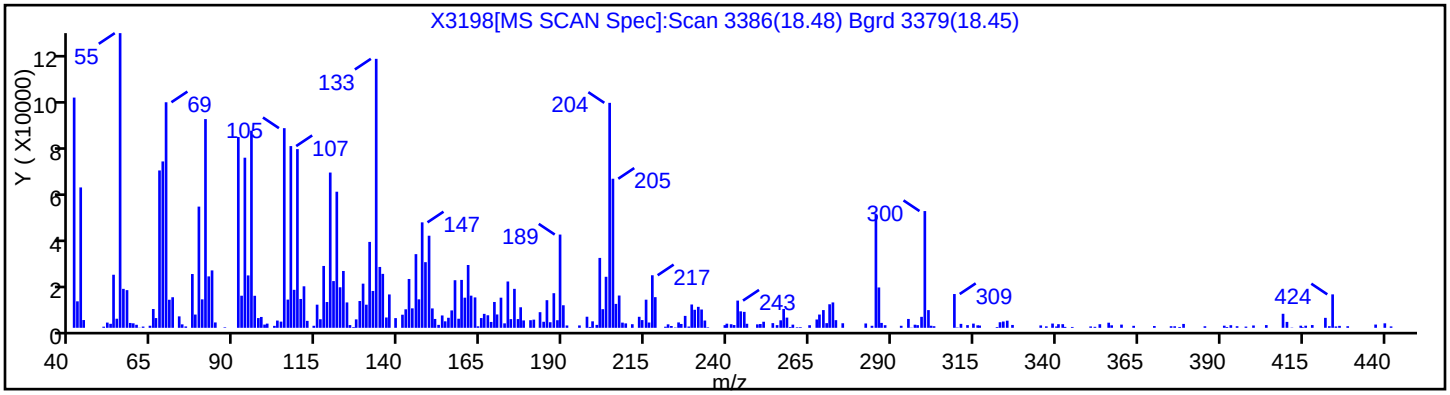


Report Date: 09-Mar-2013 09:55:22 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3198.D		
Injection Date:	20-Dec-2012 13:34:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-522-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	9
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

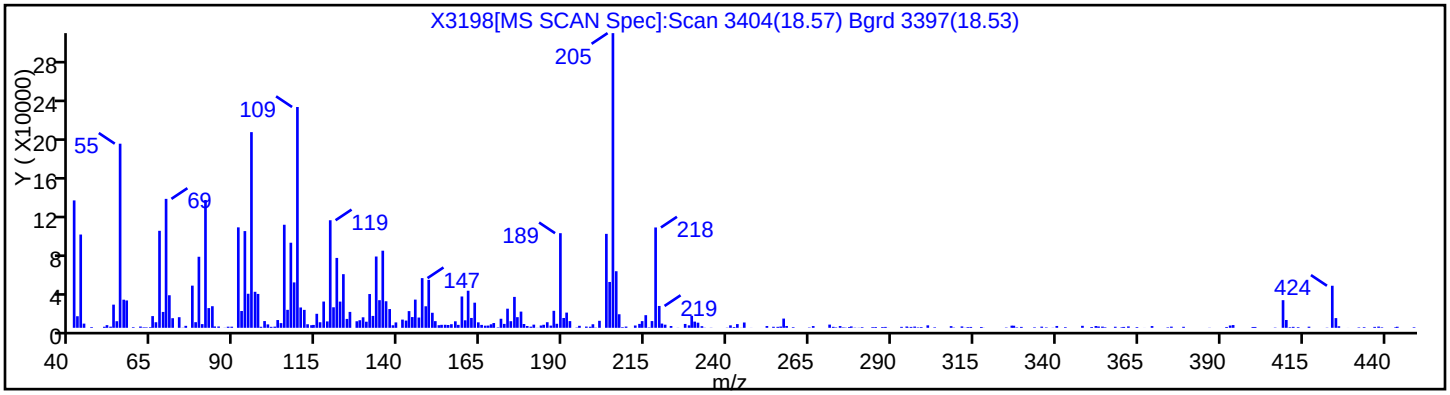


Report Date: 09-Mar-2013 09:55:22 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3198.D		
Injection Date:	20-Dec-2012 13:34:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-522-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	9
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

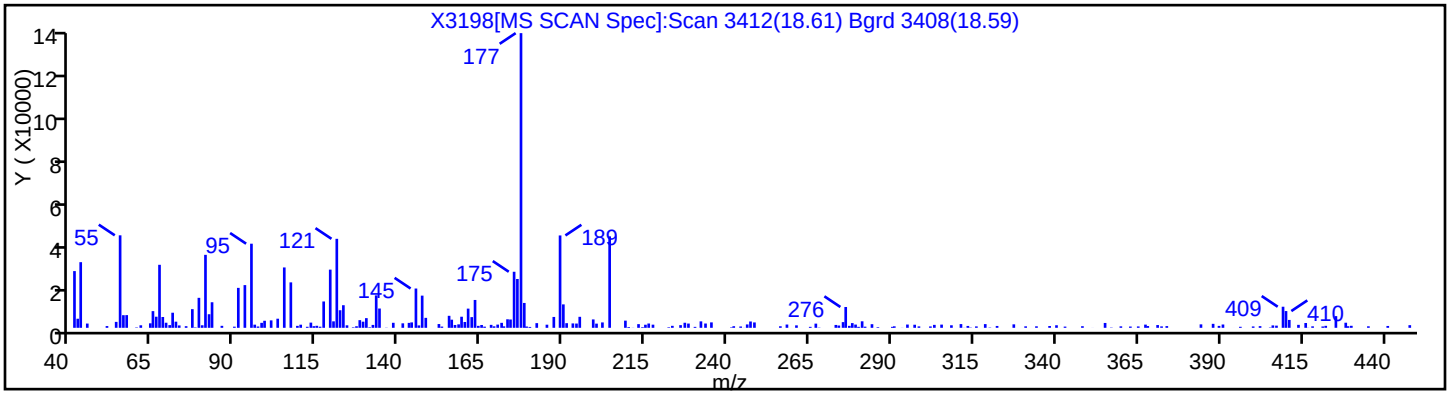


Report Date: 09-Mar-2013 09:55:22 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3198.D		
Injection Date:	20-Dec-2012 13:34:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-522-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	9
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

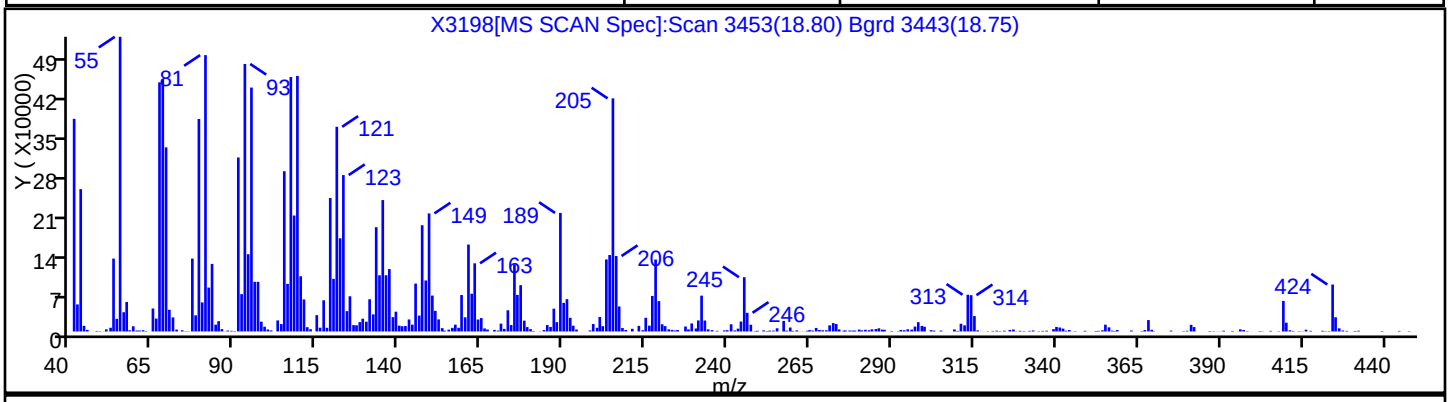


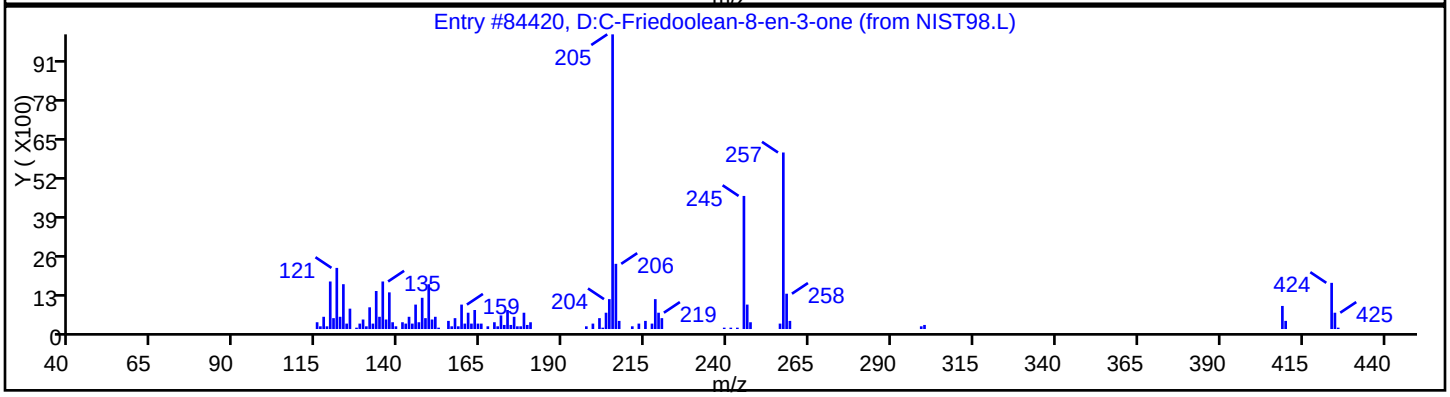
Report Date: 09-Mar-2013 09:55:22 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3198.D		
Injection Date:	20-Dec-2012 13:34:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-522-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	9
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
D:C-Friedoolean-8-en-3-one	22611-26-3	NIST98.L	84420	86





FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30197-1

SDG No.:

Client Sample ID: OC-SB-522-8.0/10-XXX | Lab Sample ID: 480-30197-8

Matrix: Solid | Lab File ID: X3223.D

Analysis Method: 8270D | Date Collected: 12/13/2012 09:40

Extract. Method: 3546 | Date Extracted: 12/18/2012 08:12

Sample wt/vol: 000030.1(g) | Date Analyzed: 12/21/2012 10:38

Con. Extract Vol.: 1(mL) | Dilution Factor: 100

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 18.1 | 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	29000		20000	8200
95-95-4	2,4,5-Trichlorophenol	ND		4100	1300
62-53-3	Aniline	ND		4100	1200
67-72-1	Hexachloroethane	ND		4100	1200
131-11-3	Dimethyl phthalate	ND		4100	1200
105-67-9	2,4-Dimethylphenol	ND	*	4100	1200
78-59-1	Isophorone	ND		4100	1200
86-73-7	Fluorene	ND		4100	1200
132-64-9	Dibenzofuran	ND		4100	1200
208-96-8	Acenaphthylene	ND		4100	1200
120-83-2	2,4-Dichlorophenol	ND		4100	1200
191-24-2	Benzo[g,h,i]perylene	ND		4100	1200
118-74-1	Hexachlorobenzene	ND		4100	1200
117-84-0	Di-n-octyl phthalate	ND		4100	1200
87-68-3	Hexachlorobutadiene	ND		4100	1200
85-01-8	Phenanthrene	ND		4100	1200
88-75-5	2-Nitrophenol	ND	*	4100	1600
207-08-9	Benzo[k]fluoranthene	ND		4100	2100
51-28-5	2,4-Dinitrophenol	ND	*	4100	3300
120-12-7	Anthracene	ND		4100	1200
91-57-6	2-Methylnaphthalene	ND		4100	1200
84-74-2	Di-n-butyl phthalate	ND		20000	6100
120-82-1	1,2,4-Trichlorobenzene	ND		4100	1200
129-00-0	Pyrene	ND		4100	1200
121-14-2	2,4-Dinitrotoluene	ND		4100	1200
53-70-3	Dibenz(a,h)anthracene	ND		4100	1200
541-73-1	1,3-Dichlorobenzene	ND		4100	1200
98-95-3	Nitrobenzene	ND		4100	1200
91-20-3	Naphthalene	ND		4100	1200
88-06-2	2,4,6-Trichlorophenol	ND		4100	1700
87-86-5	Pentachlorophenol	ND		4100	1200
206-44-0	Fluoranthene	ND		4100	1200
91-94-1	3,3'-Dichlorobenzidine	ND		8100	1500
101-55-3	4-Bromophenyl phenyl ether	ND		4100	1200

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30197-1

SDG No.:

Client Sample ID: OC-SB-522-8.0/10-XXX | Lab Sample ID: 480-30197-8

Matrix: Solid | Lab File ID: X3223.D

Analysis Method: 8270D | Date Collected: 12/13/2012 09:40

Extract. Method: 3546 | Date Extracted: 12/18/2012 08:12

Sample wt/vol: 000030.1(g) | Date Analyzed: 12/21/2012 10:38

Con. Extract Vol.: 1(mL) | Dilution Factor: 100

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 18.1 | 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		4100	1300
95-48-7	2-Methylphenol	ND		4100	1200
95-50-1	1,2-Dichlorobenzene	ND		4100	1200
108-60-1	2,2'-oxybis[1-chloropropane]	ND		4100	1200
98-86-2	Acetophenone	ND		4100	1200
111-44-4	Bis(2-chloroethyl)ether	ND		4100	1200
56-55-3	Benzo[a]anthracene	ND		4100	1200
193-39-5	Indeno[1,2,3-cd]pyrene	ND		4100	1200
85-68-7	Butyl benzyl phthalate	ND		4100	1200
218-01-9	Chrysene	ND		4100	1200
83-32-9	Acenaphthene	ND		4100	1200
205-99-2	Benzo[b]fluoranthene	ND		4100	1200
100-02-7	4-Nitrophenol	ND	*	20000	1700
106-47-8	4-Chloroaniline	ND	*	8100	3700
95-57-8	2-Chlorophenol	ND		4100	1200
606-20-2	2,6-Dinitrotoluene	ND	*	4100	3400
108-95-2	Phenol	ND		4100	1200
15831-10-4	3 & 4 Methylphenol	ND		4100	1200
106-46-7	1,4-Dichlorobenzene	ND		4100	1200
111-91-1	Bis(2-chloroethoxy)methane	ND		4100	1200
91-58-7	2-Chloronaphthalene	ND		4100	1200
621-64-7	N-Nitrosodi-n-propylamine	ND		4100	1200
7005-72-3	4-Chlorophenyl phenyl ether	ND		4100	1200
59-50-7	4-Chloro-3-methylphenol	ND		8100	1200
50-32-8	Benzo[a]pyrene	ND		4100	1200
106-44-5	4-Methylphenol	ND		4100	1200
100-01-6	4-Nitroaniline	ND		20000	3400
88-74-4	2-Nitroaniline	ND		20000	5100
105-60-2	Caprolactam	ND		4100	1200
86-74-8	Carbazole	ND		4100	1200
534-52-1	4,6-Dinitro-2-methylphenol	ND		20000	3900
90-12-0	1-Methylnaphthalene	ND		4100	1200
86-30-6	N-Nitrosodiphenylamine	ND		4100	1200
1912-24-9	Atrazine	ND		4100	1200

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30197-1

SDG No.:

Client Sample ID: OC-SB-522-8.0/10-XXX | Lab Sample ID: 480-30197-8

Matrix: Solid | Lab File ID: X3223.D

Analysis Method: 8270D | Date Collected: 12/13/2012 09:40

Extract. Method: 3546 | Date Extracted: 12/18/2012 08:12

Sample wt/vol: 000030.1(g) | Date Analyzed: 12/21/2012 10:38

Con. Extract Vol.: 1(mL) | Dilution Factor: 100

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 18.1 | 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		4100	1200
100-52-7	Benzaldehyde	ND		4100	1200
103-33-3	Azobenzene	ND		4100	1200
77-47-4	Hexachlorocyclopentadiene	ND		8100	1200
99-09-2	3-Nitroaniline	ND		20000	1200
62-75-9	N-Nitrosodimethylamine	ND		4100	1200
100-51-6	Benzyl alcohol	ND		8100	1200
92-52-4	1,1'-Biphenyl	ND		4100	1200
58-90-2	2,3,4,6-Tetrachlorophenol	ND		4100	1200
119-61-9	Benzophenone	ND		4100	1200
65-85-0	Benzoic acid	ND		20000	1800
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		4100	1200

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.: 480-30197-1
SDG No.:
Client Sample ID: OC-SB-522-8.0/10-XXX
Lab Sample ID: 480-30197-8
Matrix: Solid
Lab File ID: X3223.D
Analysis Method: 8270D
Date Collected: 12/13/2012 09:40
Extract. Method: 3546
Date Extracted: 12/18/2012 08:12
Sample wt/vol: 000030.1(g)
Date Analyzed: 12/21/2012 10:38
Con. Extract Vol.: 1(mL)
Dilution Factor: 100
Injection Volume: 1(uL)
Level: (low/med) Low
% Moisture: 18.1
GPC Cleanup:(Y/N) N
Analysis Batch No.: 97046
Units: ug/Kg
Number TICs Found: 4
TIC Result Total: 414400

CAS NO.	COMPOUND NAME	RT	RESULT	Q
75-9-2	Methylene Chloride	3.38	390000	T J N
	Unknown	4.19	5300	T J
	Unknown	15.06	4100	T J
	Unknown	17.00	15000	T J

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973X\20121221-17772.b\X3223.D		
Lims ID:	480-30197-B-8-A	Client ID:	OC-SB-522-8.0/10-XXX
Inject. Date:	21-Dec-2012 10:38:30	Dil. Factor:	100.0000
Sample Type:	Client		
Sample ID:	480-0017772-003		
Misc. Info.:			
Operator:	ANM	Instrument ID:	HP5973X
Injection Vol:	1.0 ul	ALS Bottle#:	4
Lims Batch ID:	97046	Lims Sample ID:	3
Detector:	MS SCAN		

Method:	\\Bufchrom\ChromData\HP5973X\20121221-17772.b\X-8270LL.m		
Last Update:	09-Mar-2013 10:01:23	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 11:03:00

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.580	6.599	-0.019	88	139522	5.00	
* 2 Naphthalene-d8	136	8.482	8.491	-0.009	97	499090	5.00	
* 3 Acenaphthene-d10	164	11.126	11.107	0.019	86	268226	5.00	
* 4 Phenanthrene-d10	188	13.128	13.114	0.014	95	612469	5.00	
* 5 Chrysene-d12	240	15.763	15.767	-0.004	95	510653	5.00	
* 6 Perylene-d12	264	17.051	17.056	-0.005	97	500334	5.00	M
$ 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					
$ 12 p-Terphenyl-d14	244		14.792					9
19 N-Nitrosodimethylamine	42		2.785					
21 Benzaldehyde	77		5.952					14
23 Aniline	93		6.118					19
22 Phenol	94		6.128					
24 Bis(2-chloroethyl)ether	93		6.223					19
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					19
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					19
34 N-Nitrosodi-n-propylamine	70		7.222					19
36 4-Methylphenol	108		7.274					9
37 Hexachloroethane	117		7.336					
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					9
45 Bis(2-chloroethoxy)methane	93		8.173					19
44 Benzoic acid	105		8.235					149
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					
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					
58 Hexachlorocyclopentadiene	237		9.794					
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					39
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					9
70 3-Nitroaniline	138		11.116					
71 Acenaphthene	153		11.154					9
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					19
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	12.191	12.115	0.076	24	6872	0.0482	
16 1,2-Diphenylhydrazine	77		12.153					
85 Azobenzene	77		12.153					
86 Benzophenone	105		12.177					149
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					9
98 Anthracene	178		13.204					
99 Carbazole	167		13.413					
102 Di-n-butyl phthalate	149		13.799					
104 Fluoranthene	202		14.422					9
106 Pyrene	202		14.645					9
108 Butyl benzyl phthalate	149		15.244					
110 Bis(2-ethylhexyl) phthalate	149	15.724	15.739	-0.015	96	754504	7.24	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
109 3,3'-Dichlorobenzidine	252		15.739					19
111 Benzo[a]anthracene	228		15.753					
112 Chrysene	228		15.791					9
113 Di-n-octyl phthalate	149		16.281					9
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					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					
59 1,2,4,5-Tetrachlorobenzene	216		9.813					

QC Flag Legend

Processing Flags
1 - Missing Peaks
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\20121221-17772.b\X3223.D		
Lims ID:	480-30197-B-8-A	Client ID:	OC-SB-522-8.0/10-XXX
Inject. Date:	21-Dec-2012 10:38:30	Dil. Factor:	100.0000
Sample Type:	Client		
Sample ID:	480-0017772-003		
Misc. Info.:			
Operator:	ANM	Instrument ID:	HP5973X
Injection Vol:	1.0 ul	ALS Bottle#:	4
Lims Batch ID:	97046	Lims Sample ID:	3
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973X\20121221-17772.b\X-8270LL.m		
Last Update:	09-Mar-2013 10:01:23	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 11:03:00

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ng/uL	Flags
1,4-Dioxane	2.537	532		
Pyridine	2.865	561	0.0217	
Diphenylamine	12.191	6872	0.0482	

Tentative Identified Compound Results

RT	Response	Amount ng/uL	Quant Cpnd	Qual	Lib Entry	Flags
75-9-2	Methylene Chloride					
3.379	18354191	97.2	1	91	111041	
	Unknown					
4.187	246447	1.31	1			
	Unknown					
15.063	264327	1.00	5			
	Unknown					
16.999	853288	3.72	6			

Quantitation Compounds

Compound	RT	Response	Amount ng/uL
* 1 1,4-Dichlorobenzene-d4	6.580	944188	5.00
* 5 Chrysene-d12	15.763	1319597	5.00
* 6 Perylene-d12	17.056	1147122	5.00

QC Flag Legend

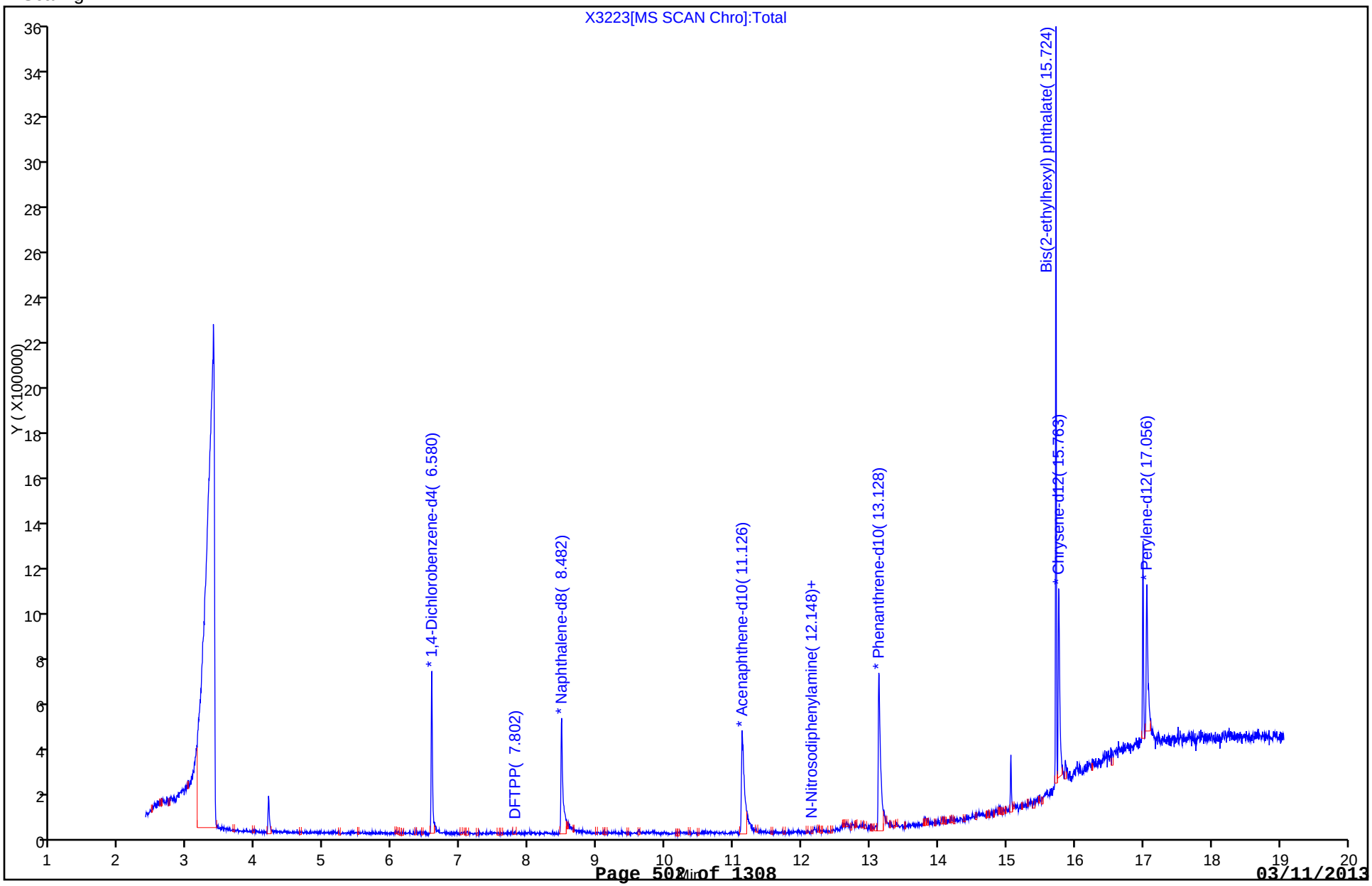
Processing Flags

Report Date: 09-Mar-2013 10:01:24 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121221-17772.b\X3223.D		
Injection Date:	21-Dec-2012 10:38:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-522-8.0/10-XXX	Instrument ID:	HP5973X
Lims Batch ID:	97046	Lims Sample ID:	3
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:

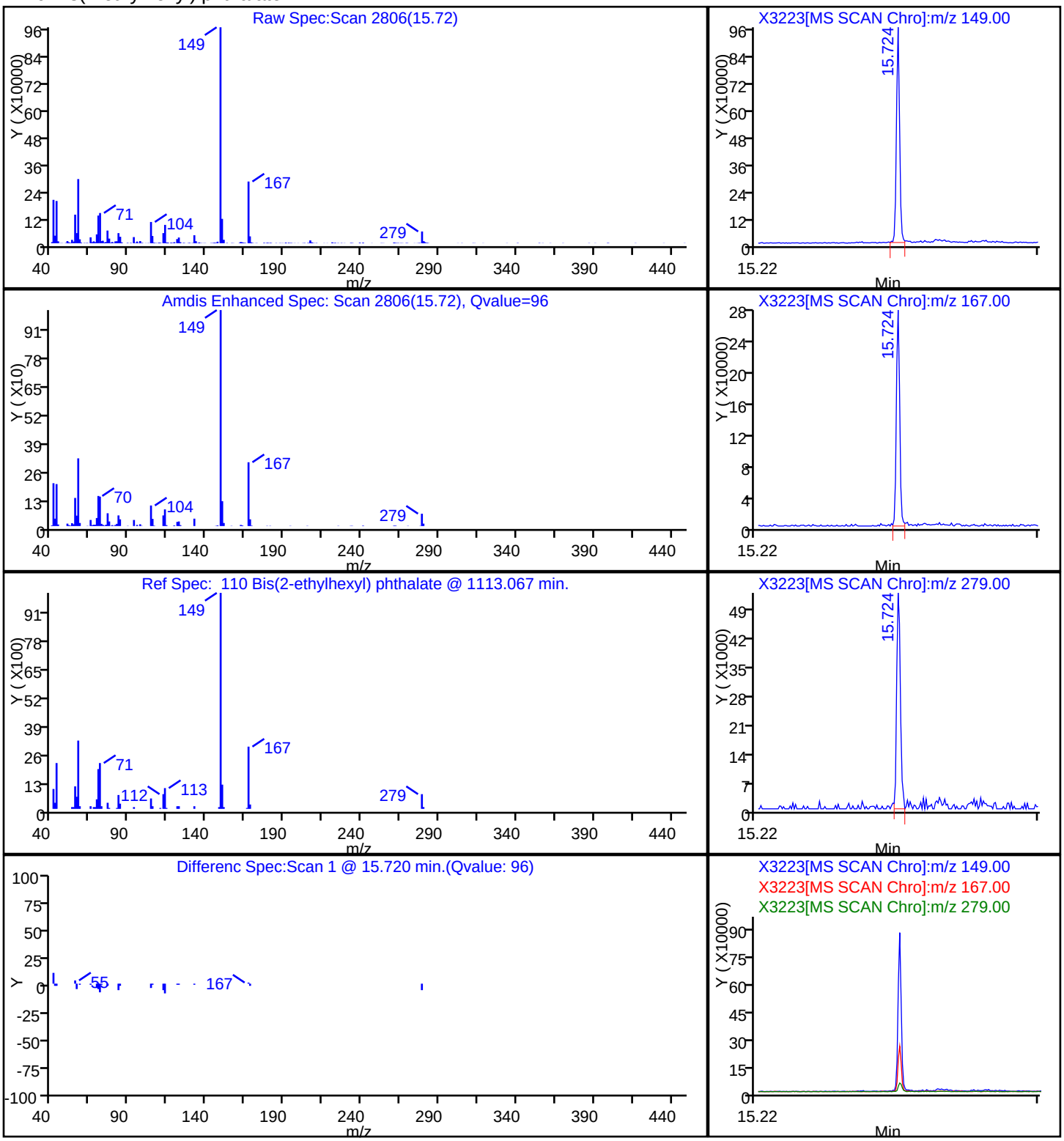


Report Date: 09-Mar-2013 10:01:25 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121221-17772.b\X3223.D		
Injection Date:	21-Dec-2012 10:38:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-522-8.0/10-XXX	Instrument ID:	HP5973X
Lims Batch ID:	97046	Lims Sample ID:	3
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

110 Bis(2-ethylhexyl) phthalate

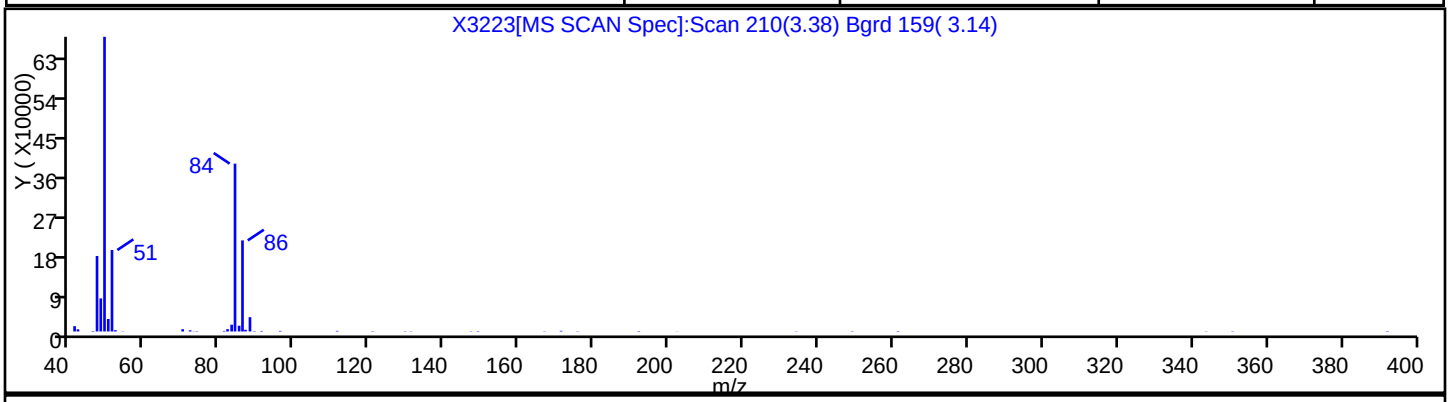


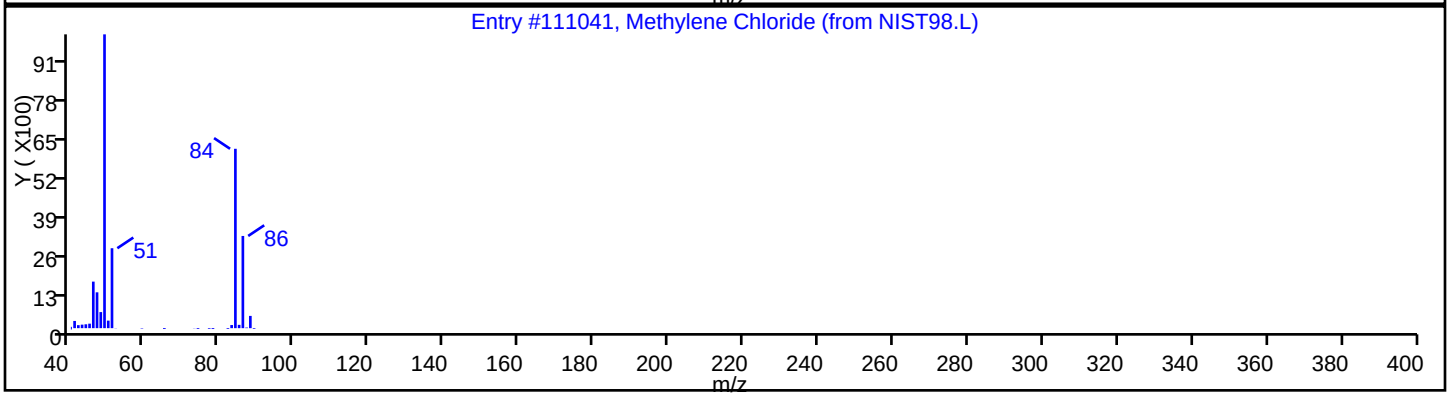
Report Date: 09-Mar-2013 10:01:26 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121221-17772.b\X3223.D		
Injection Date:	21-Dec-2012 10:38:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-522-8.0/10-XXX	Instrument ID:	HP5973X
Lims Batch ID:	97046	Lims Sample ID:	3
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
Methylene Chloride	75-9-2	NIST98.L	111041	91



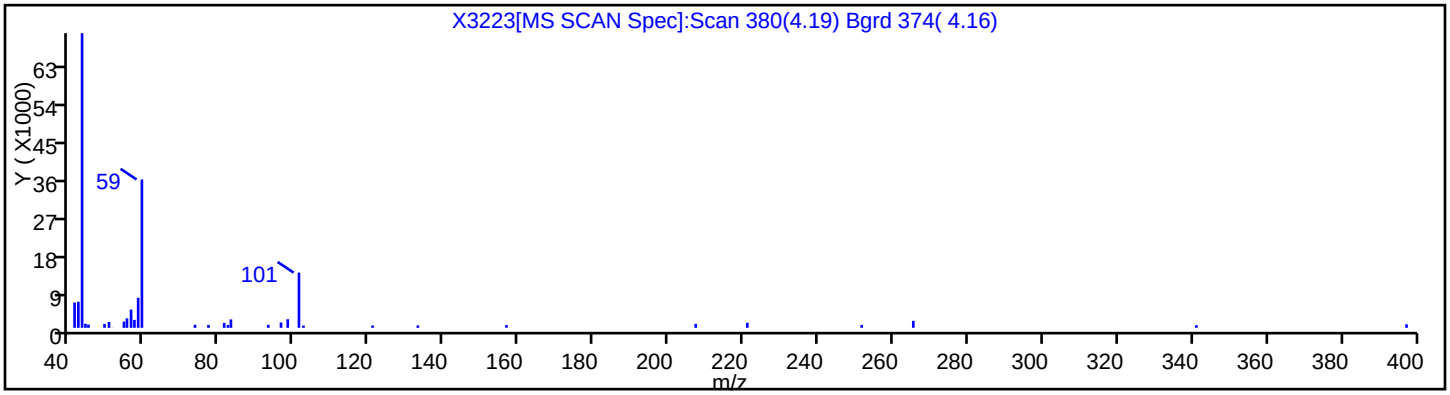


Report Date: 09-Mar-2013 10:01:26 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121221-17772.b\X3223.D		
Injection Date:	21-Dec-2012 10:38:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-522-8.0/10-XXX	Instrument ID:	HP5973X
Lims Batch ID:	97046	Lims Sample ID:	3
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

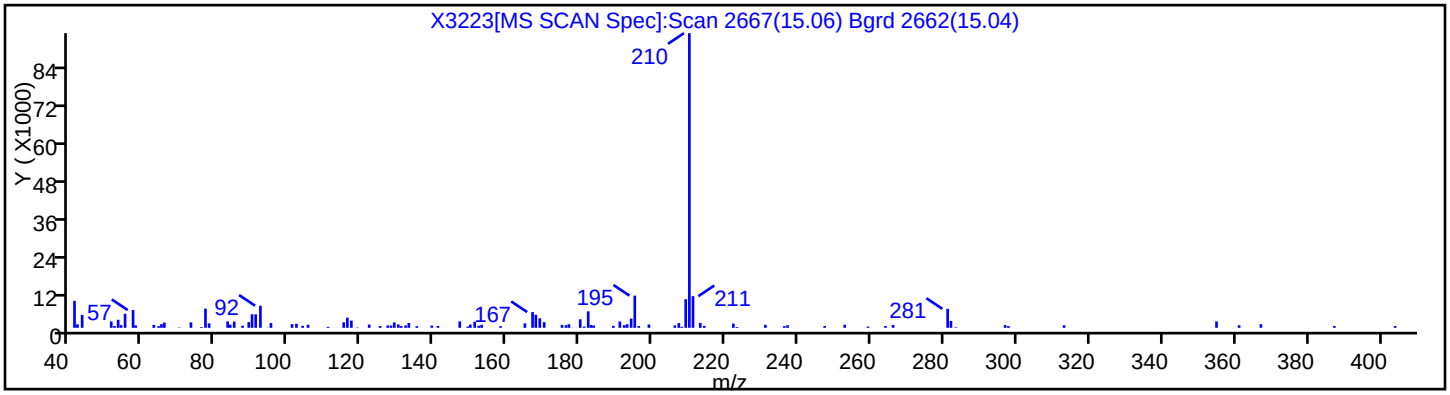


Report Date: 09-Mar-2013 10:01:26 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121221-17772.b\X3223.D		
Injection Date:	21-Dec-2012 10:38:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-522-8.0/10-XXX	Instrument ID:	HP5973X
Lims Batch ID:	97046	Lims Sample ID:	3
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

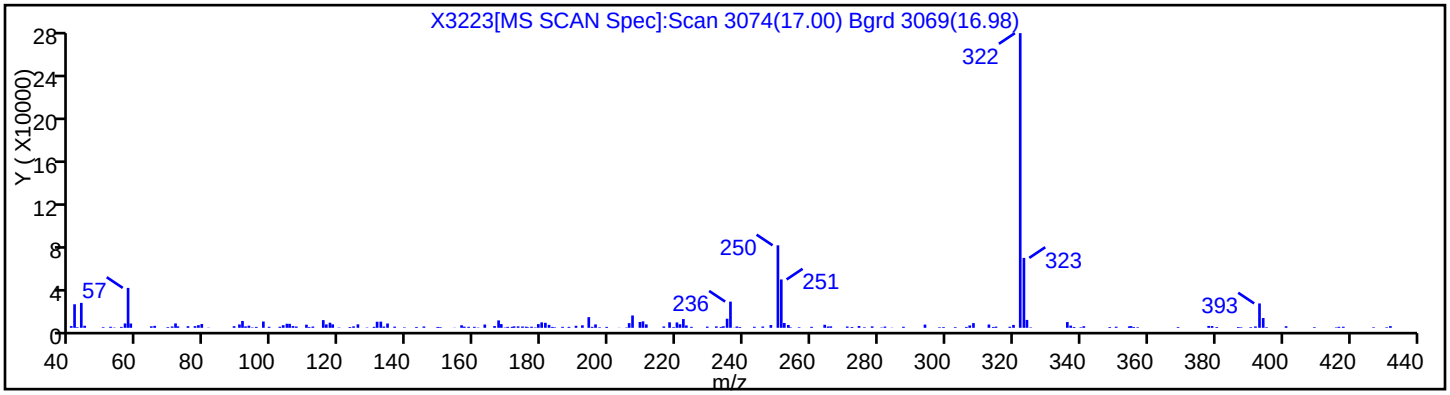


Report Date: 09-Mar-2013 10:01:26 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121221-17772.b\X3223.D		
Injection Date:	21-Dec-2012 10:38:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-522-8.0/10-XXX	Instrument ID:	HP5973X
Lims Batch ID:	97046	Lims Sample ID:	3
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.: 480-30197-1

SDG No.:

Client Sample ID: OC-SB-522-13/15-XXX | Lab Sample ID: 480-30197-9

Matrix: Solid | Lab File ID: X3200.D

Analysis Method: 8270D | Date Collected: 12/13/2012 09:50

Extract. Method: 3546 | Date Extracted: 12/18/2012 08:12

Sample wt/vol: 000030.7(g) | Date Analyzed: 12/20/2012 14:26

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 18.2 | 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		200	80
95-95-4	2,4,5-Trichlorophenol	ND		40	13
62-53-3	Aniline	ND		40	12
67-72-1	Hexachloroethane	ND		40	12
131-11-3	Dimethyl phthalate	ND		40	12
105-67-9	2,4-Dimethylphenol	ND	*	40	12
78-59-1	Isophorone	ND		40	12
86-73-7	Fluorene	ND		40	12
132-64-9	Dibenzofuran	ND		40	12
208-96-8	Acenaphthylene	ND		40	12
120-83-2	2,4-Dichlorophenol	ND		40	12
191-24-2	Benzo[g,h,i]perylene	ND		40	12
118-74-1	Hexachlorobenzene	ND		40	12
117-84-0	Di-n-octyl phthalate	ND		40	12
87-68-3	Hexachlorobutadiene	ND		40	12
85-01-8	Phenanthrene	ND		40	12
88-75-5	2-Nitrophenol	ND	*	40	16
207-08-9	Benzo[k]fluoranthene	ND		40	20
51-28-5	2,4-Dinitrophenol	ND	*	40	32
120-12-7	Anthracene	ND		40	12
91-57-6	2-Methylnaphthalene	ND		40	12
84-74-2	Di-n-butyl phthalate	ND		200	60
120-82-1	1,2,4-Trichlorobenzene	ND		40	12
129-00-0	Pyrene	ND		40	12
121-14-2	2,4-Dinitrotoluene	ND		40	12
53-70-3	Dibenz(a,h)anthracene	ND		40	12
541-73-1	1,3-Dichlorobenzene	ND		40	12
98-95-3	Nitrobenzene	ND		40	12
91-20-3	Naphthalene	ND		40	12
88-06-2	2,4,6-Trichlorophenol	ND		40	17
87-86-5	Pentachlorophenol	ND		40	12
206-44-0	Fluoranthene	ND		40	12
91-94-1	3,3'-Dichlorobenzidine	ND		80	14
101-55-3	4-Bromophenyl phenyl ether	ND		40	12

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30197-1

SDG No.:

Client Sample ID: OC-SB-522-13/15-XXX | Lab Sample ID: 480-30197-9

Matrix: Solid | Lab File ID: X3200.D

Analysis Method: 8270D | Date Collected: 12/13/2012 09:50

Extract. Method: 3546 | Date Extracted: 12/18/2012 08:12

Sample wt/vol: 000030.7(g) | Date Analyzed: 12/20/2012 14:26

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 18.2 | 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		40	13
95-48-7	2-Methylphenol	ND		40	12
95-50-1	1,2-Dichlorobenzene	ND		40	12
108-60-1	2,2'-oxybis[1-chloropropane]	ND		40	12
98-86-2	Acetophenone	ND		40	12
111-44-4	Bis(2-chloroethyl)ether	ND		40	12
56-55-3	Benzo[a]anthracene	ND		40	12
193-39-5	Indeno[1,2,3-cd]pyrene	ND		40	12
85-68-7	Butyl benzyl phthalate	ND		40	12
218-01-9	Chrysene	ND		40	12
83-32-9	Acenaphthene	ND		40	12
205-99-2	Benzo[b]fluoranthene	ND		40	12
100-02-7	4-Nitrophenol	ND	*	200	17
106-47-8	4-Chloroaniline	ND	*	80	36
95-57-8	2-Chlorophenol	ND		40	12
606-20-2	2,6-Dinitrotoluene	ND	*	40	33
108-95-2	Phenol	ND		40	12
15831-10-4	3 & 4 Methylphenol	ND		40	12
106-46-7	1,4-Dichlorobenzene	ND		40	12
111-91-1	Bis(2-chloroethoxy)methane	ND		40	12
91-58-7	2-Chloronaphthalene	ND		40	12
621-64-7	N-Nitrosodi-n-propylamine	ND		40	12
7005-72-3	4-Chlorophenyl phenyl ether	ND		40	12
59-50-7	4-Chloro-3-methylphenol	ND		80	12
50-32-8	Benzo[a]pyrene	ND		40	12
106-44-5	4-Methylphenol	ND		40	12
100-01-6	4-Nitroaniline	ND		200	33
88-74-4	2-Nitroaniline	ND		200	50
105-60-2	Caprolactam	ND		40	12
86-74-8	Carbazole	ND		40	12
534-52-1	4,6-Dinitro-2-methylphenol	ND		200	38
90-12-0	1-Methylnaphthalene	ND		40	12
86-30-6	N-Nitrosodiphenylamine	ND		40	12
1912-24-9	Atrazine	ND		40	12

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30197-1

SDG No.:

Client Sample ID: OC-SB-522-13/15-XXX | Lab Sample ID: 480-30197-9

Matrix: Solid | Lab File ID: X3200.D

Analysis Method: 8270D | Date Collected: 12/13/2012 09:50

Extract. Method: 3546 | Date Extracted: 12/18/2012 08:12

Sample wt/vol: 000030.7(g) | Date Analyzed: 12/20/2012 14:26

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 18.2 | 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		40	12
100-52-7	Benzaldehyde	ND		40	12
103-33-3	Azobenzene	ND		40	12
77-47-4	Hexachlorocyclopentadiene	ND		80	12
99-09-2	3-Nitroaniline	ND		200	12
62-75-9	N-Nitrosodimethylamine	ND		40	12
100-51-6	Benzyl alcohol	ND		80	12
92-52-4	1,1'-Biphenyl	ND		40	12
58-90-2	2,3,4,6-Tetrachlorophenol	ND		40	12
119-61-9	Benzophenone	ND		40	12
65-85-0	Benzoic acid	ND		200	18
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		40	12

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	43		30-130
367-12-4	2-Fluorophenol	81		30-130
4165-60-0	Nitrobenzene-d5	80		30-130
4165-62-2	Phenol-d5	66		30-130
321-60-8	2-Fluorobiphenyl	82		30-130
1718-51-0	p-Terphenyl-d14	71		30-130

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

Lab Name: TestAmerica Buffalo Job No.: 480-30197-1

SDG No.:

Client Sample ID: OC-SB-522-13/15-XXX Lab Sample ID: 480-30197-9

Matrix: Solid Lab File ID: X3200.D

Analysis Method: 8270D Date Collected: 12/13/2012 09:50

Extract. Method: 3546 Date Extracted: 12/18/2012 08:12

Sample wt/vol: 000030.7(g) Date Analyzed: 12/20/2012 14:26

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

Injection Volume: 1(uL) Level: (low/med) Low

% Moisture: 18.2 GPC Cleanup:(Y/N) N

Analysis Batch No.: 96803 Units: ug/Kg

Number TICs Found: 10 TIC Result Total: 4513

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	3.83	38	T J
	Unknown	4.18	4200	T J
	Unknown	4.20	32	T J
2175-91-9	1,3-Cyclopentadiene, 5-(1-methylethylide	4.63	52	T J N
	Unknown	7.47	34	T J
	Unknown	15.87	27	T J
629-94-7	Heneicosane	16.40	30	T J N
593-45-3	Octadecane	16.68	26	T J N
	Unknown	16.97	43	T J
	Unknown	17.28	31	T J

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3200.D		
Lims ID:	480-30197-B-9-A	Client ID:	OC-SB-522-13/15-XXX
Inject. Date:	20-Dec-2012 14:26:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-0017736-004		
Misc. Info.:			
Operator:	ANM	Instrument ID:	HP5973X
Injection Vol:	1.0 ul	ALS Bottle#:	12
Lims Batch ID:	96803	Lims Sample ID:	11
Detector:	MS SCAN		

Method:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X-8270LL.m		
Last Update:	09-Mar-2013 10:42:21	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:	XAWRK026		

First Level Reviewer: WilkesD Date: 09-Mar-2013 09:56:09

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	86	218655	5.00	
* 2 Naphthalene-d8	136	8.444	8.439	0.005	96	787252	5.00	
* 3 Acenaphthene-d10	164	11.088	11.064	0.024	90	439702	5.00	
* 4 Phenanthrene-d10	188	13.114	13.080	0.034	96	655342	5.00	
* 5 Chrysene-d12	240	15.753	15.734	0.019	92	519992	5.00	
* 6 Perylene-d12	264	17.032	17.013	0.019	98	535162	5.00	
$ 7 2-Fluorophenol	112	4.668	4.682	-0.014	0	80841	1.63	M
$ 8 Phenol-d5	99	6.094	6.090	0.004	77	79864	1.32	M
$ 9 Nitrobenzene-d5	82	7.402	7.393	0.009	75	94718	1.60	M
$ 10 2-Fluorobiphenyl	172	10.103	10.075	0.028	88	180502	1.64	M
$ 11 2,4,6-Tribromophenol	330	12.286	12.229	0.057	15	10248	0.8501	
$ 12 p-Terphenyl-d14	244	14.783	14.759	0.024	94	142920	1.43	
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					
25 2-Chlorophenol	128		6.270					
26 1,3-Dichlorobenzene	146		6.484					
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					
32 2,2'-oxybis[1-chloropropane]	45		6.998					
33 Acetophenone	105		7.174					
35 DFTPP								
34 N-Nitrosodi-n-propylamine	70		7.183					14
36 4-Methylphenol	108		7.231					
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					14
43 2,4-Dimethylphenol	107		8.001					
45 Bis(2-chloroethoxy)methane	93		8.125					149
44 Benzoic acid	105		8.177					
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					
56 2-Methylnaphthalene	142		9.509					
57 1-Methylnaphthalene	142		9.656					
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					1
63 2-Chloronaphthalene	162		10.265					9
64 Phenyl ether	170	10.417	10.384	0.033	42	5625	0.0814	
65 2-Nitroaniline	65		10.436					1
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					
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					
75 4-Nitrophenol	109		11.454					149
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					19
81 4-Nitroaniline	138		11.982					
82 4,6-Dinitro-2-methylphenol	198		12.010					
83 N-Nitrosodiphenylamine	169	12.134	12.077	0.057	55	8427	0.0553	
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		13.109					
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					9

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	91	60187	0.5675	
111 Benzo[a]anthracene	228		15.720					
112 Chrysene	228		15.753					9
113 Di-n-octyl phthalate	149		16.248					
114 Benzo[b]fluoranthene	252		16.657					
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					
119 Benzo[g,h,i]perylene	276		18.421					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

Review Flags
M - Manually Integrated

TestAmerica Buffalo
Tentatively Identified Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3200.D		
Lims ID:	480-30197-B-9-A	Client ID:	OC-SB-522-13/15-XXX
Inject. Date:	20-Dec-2012 14:26:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-0017736-004		
Misc. Info.:			
Operator:	ANM	Instrument ID:	HP5973X
Injection Vol:	1.0 ul	ALS Bottle#:	12
Lims Batch ID:	96803	Lims Sample ID:	11
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X-8270LL.m		
Last Update:	09-Mar-2013 10:42:21	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:	XAWRK026		

First Level Reviewer: WilkesD Date: 09-Mar-2013 09:56:09

Tentative Identified Compound Results

RT	Response	Amount ng/uL	Quant Cpnd	Qual	Lib Entry	Flags
		Unknown				
3.826	281012	0.9596	1			
		Unknown				
4.183	31081919	106.1	1			
		Unknown				
4.202	238409	0.8142	1			
2175-91-9	1,3-Cyclopentadiene, 5-(1-methylethylide					
4.630	382599	1.31	1	91	117399	
		Unknown				
7.469	247379	0.8448	1			
		Unknown				
15.867	212650	0.6675	5			
629-94-7	Heneicosane					
16.400	224470	0.7550	6	91	17094	
593-45-3	Octadecane					
16.675	196851	0.6621	6	89	112330	
		Unknown				
16.970	323639	1.09	6			
		Unknown				
17.279	229161	0.7708	6			

Quantitation Compounds

Compound	RT	Response	Amount ng/uL

Report Date: 11-Mar-2013 13:54:25 Chrom Revision: 2.0 01-Feb-2013 10:03:10
Data File: \\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3200.D

Compound	RT	Response	Amount ng/uL
* 1 1,4-Dichlorobenzene-d4	6.551	1464157	5.00
* 5 Chrysene-d12	15.753	1592776	5.00
* 6 Perylene-d12	17.032	1486512	5.00

QC Flag Legend

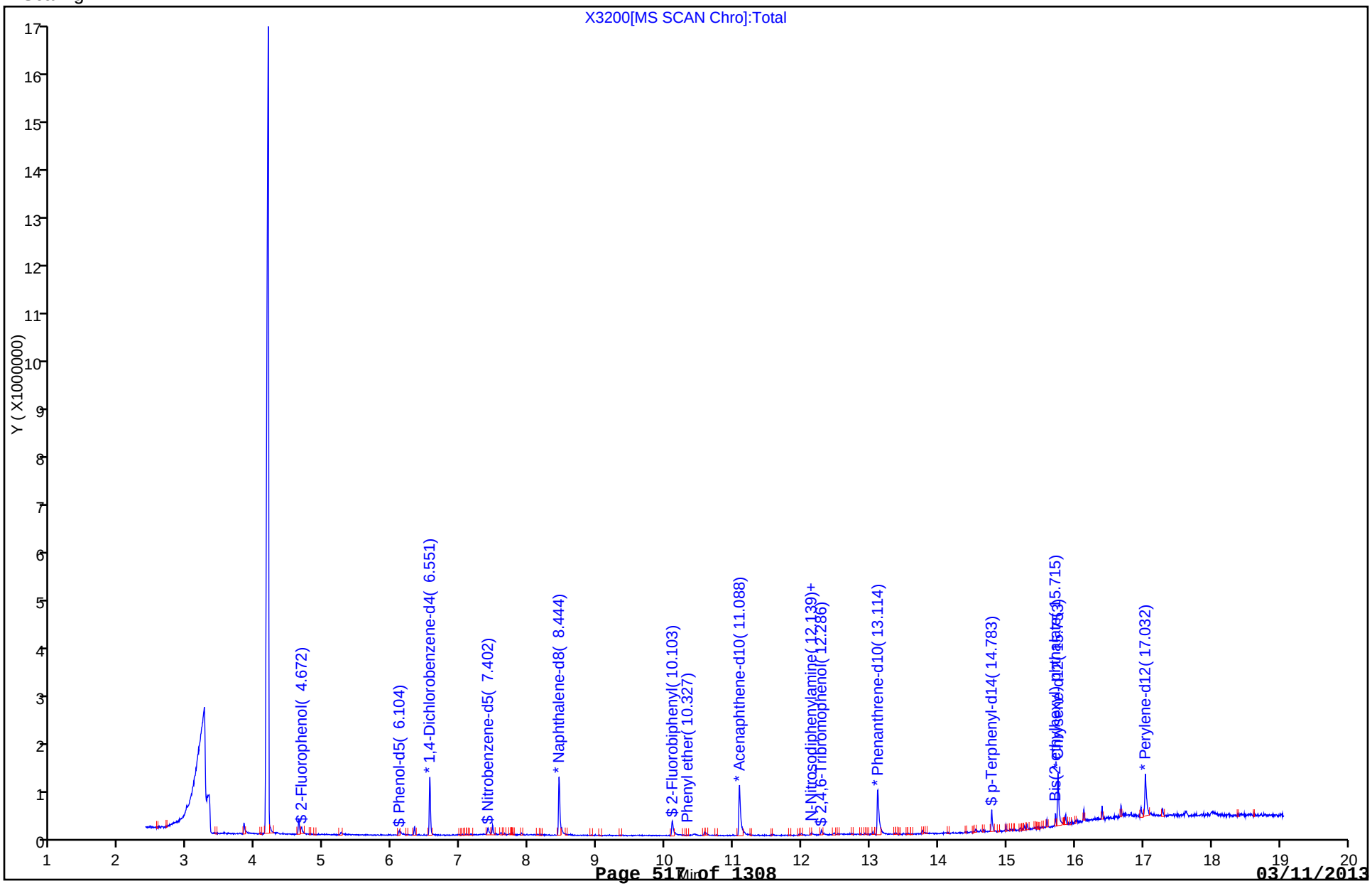
Processing Flags

Report Date: 11-Mar-2013 13:54:25 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3200.D		
Injection Date:	20-Dec-2012 14:26:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-522-13/15-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	11
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

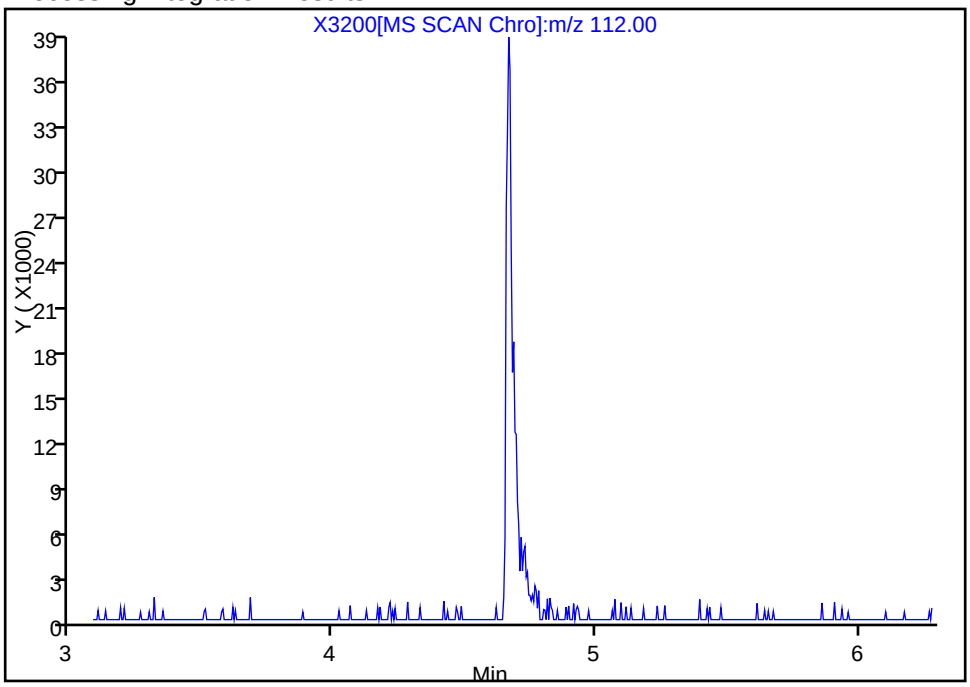
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3200.D		
Injection Date:	20-Dec-2012 14:26:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-522-13/15-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	11
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

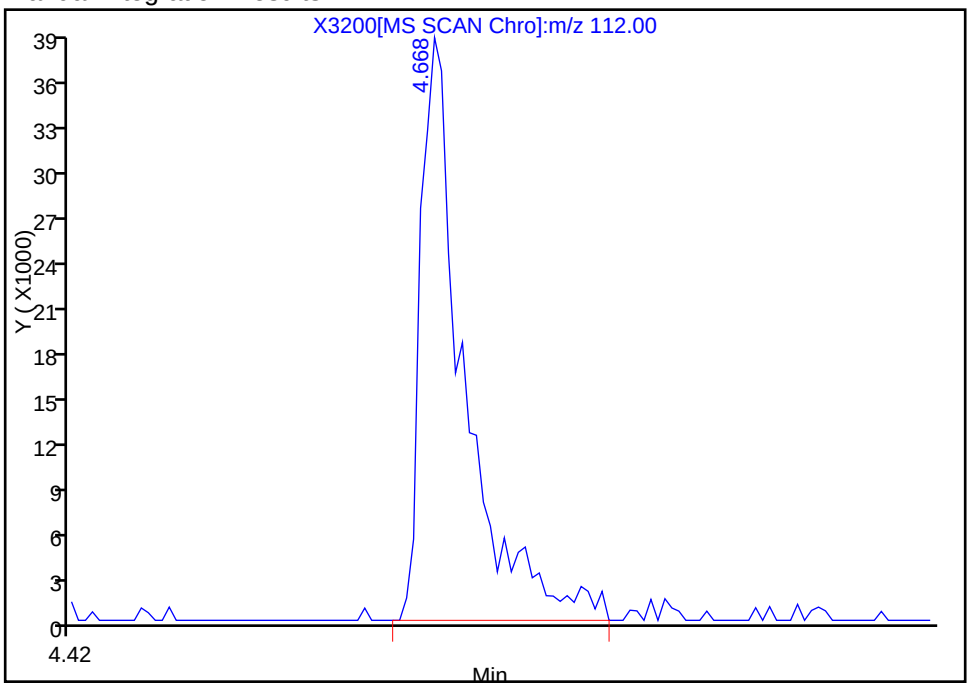
Processing Integration Results

Not Detected
Expected RT: 4.68



Manual Integration Results

RT: 4.67
Response: 80841
Amount: 1.629212



Reviewer: mckernar, 20-Dec-2012 15:08:16
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

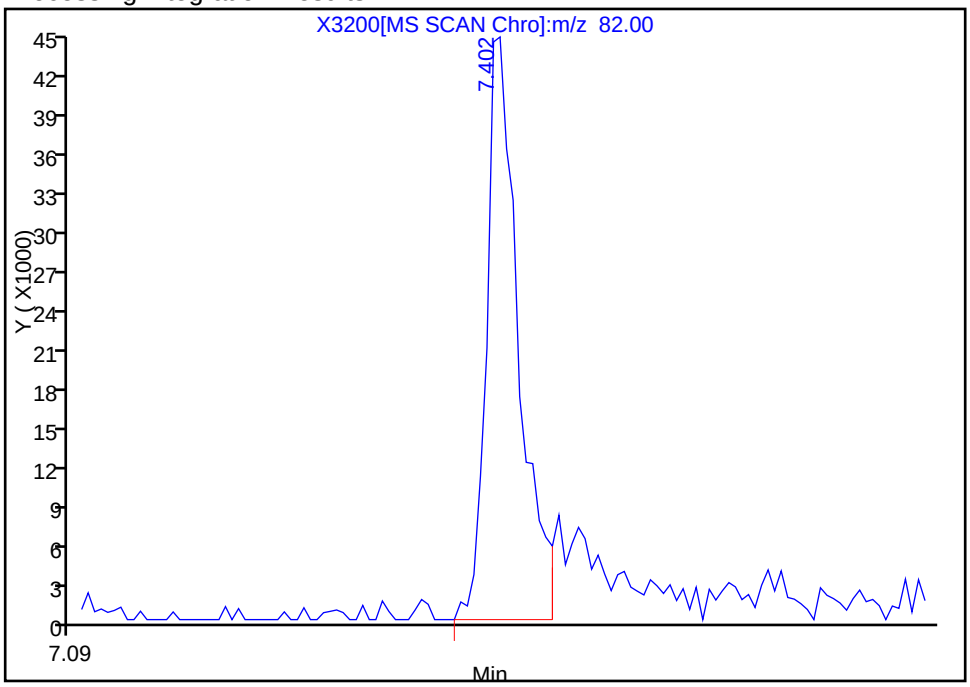
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3200.D		
Injection Date:	20-Dec-2012 14:26:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-522-13/15-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	11
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

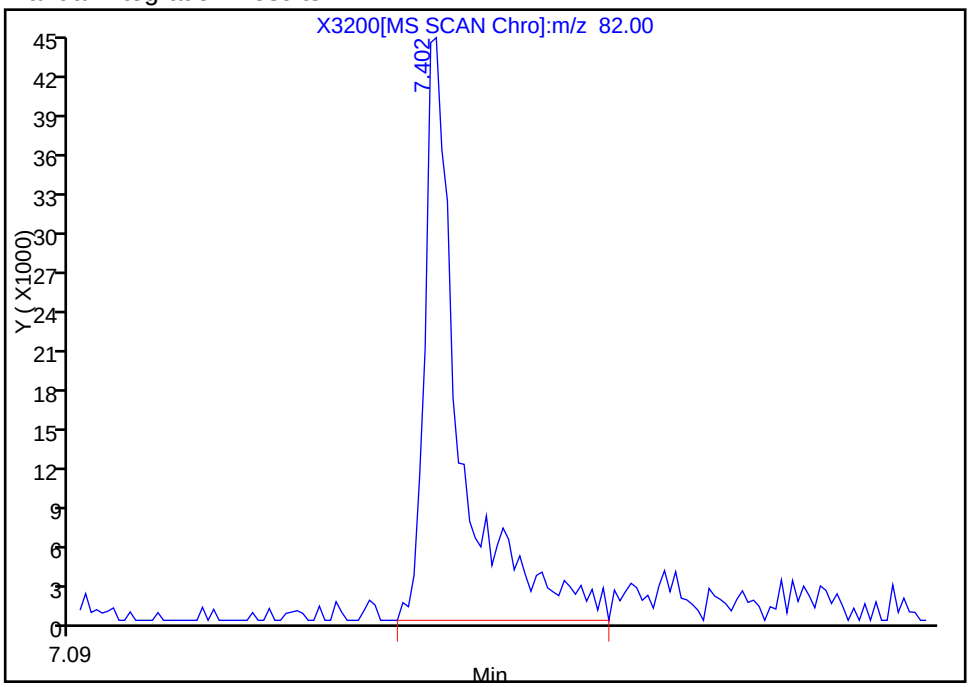
Processing Integration Results

RT: 7.40
Response: 72793
Amount: 1.151980



Manual Integration Results

RT: 7.40
Response: 94718
Amount: 1.604723



Reviewer: mckernar, 20-Dec-2012 15:08:16
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

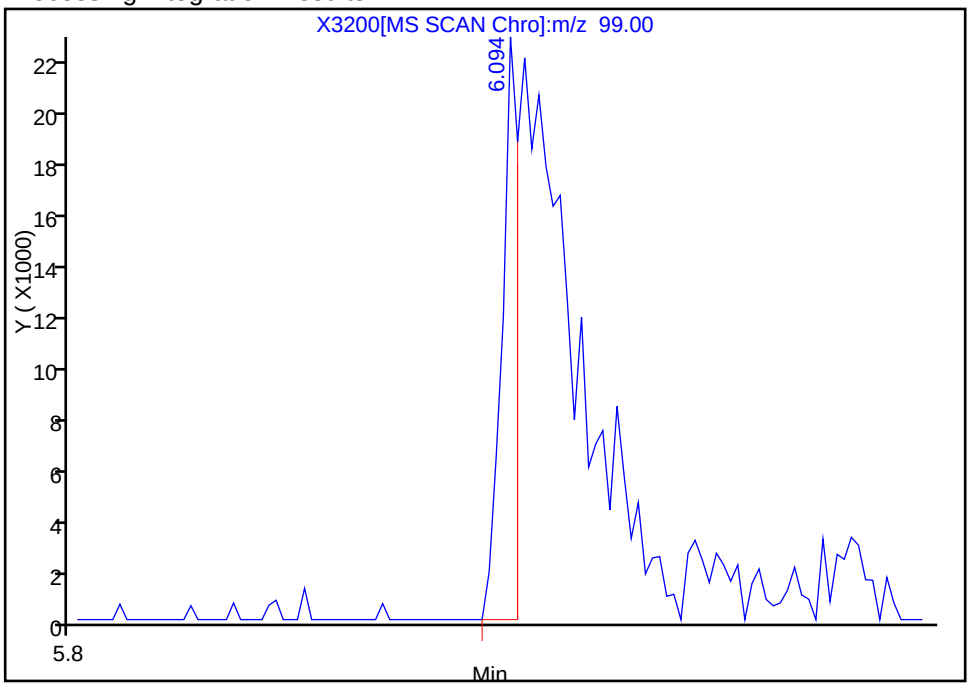
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3200.D		
Injection Date:	20-Dec-2012 14:26:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-522-13/15-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	11
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

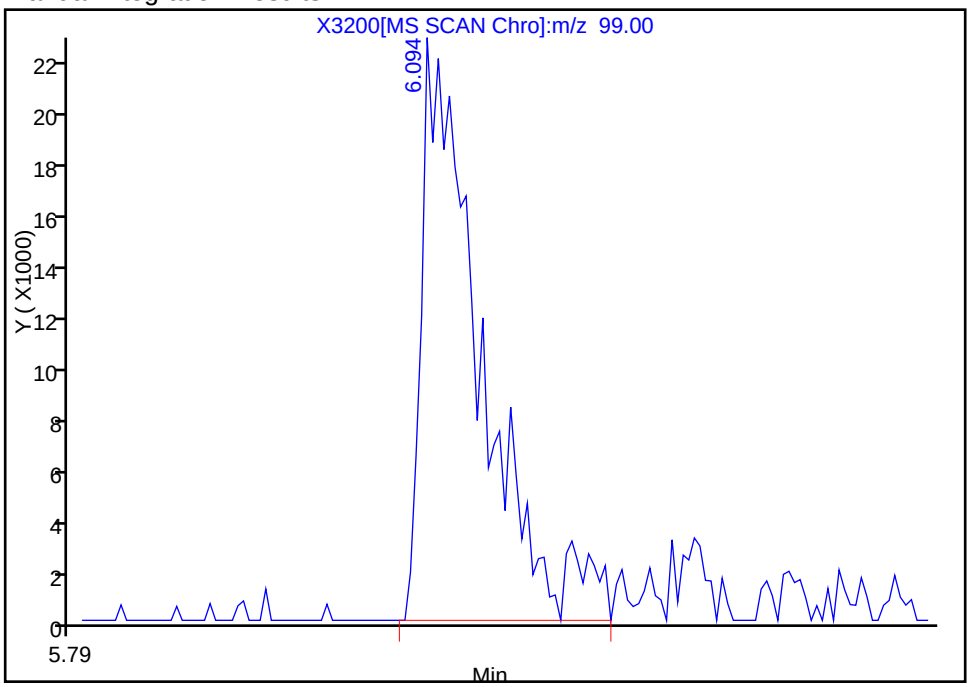
Processing Integration Results

RT: 6.09
Response: 17736
Amount: 0.263633



Manual Integration Results

RT: 6.09
Response: 79864
Amount: 1.322444



Reviewer: mckernar, 20-Dec-2012 15:08:16
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

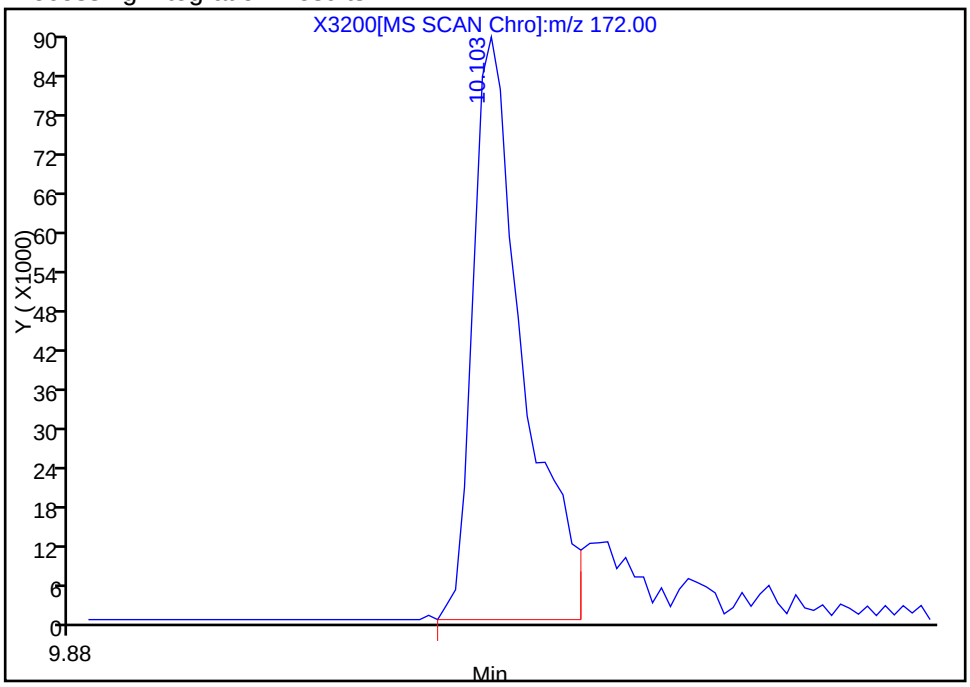
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3200.D		
Injection Date:	20-Dec-2012 14:26:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-522-13/15-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	11
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

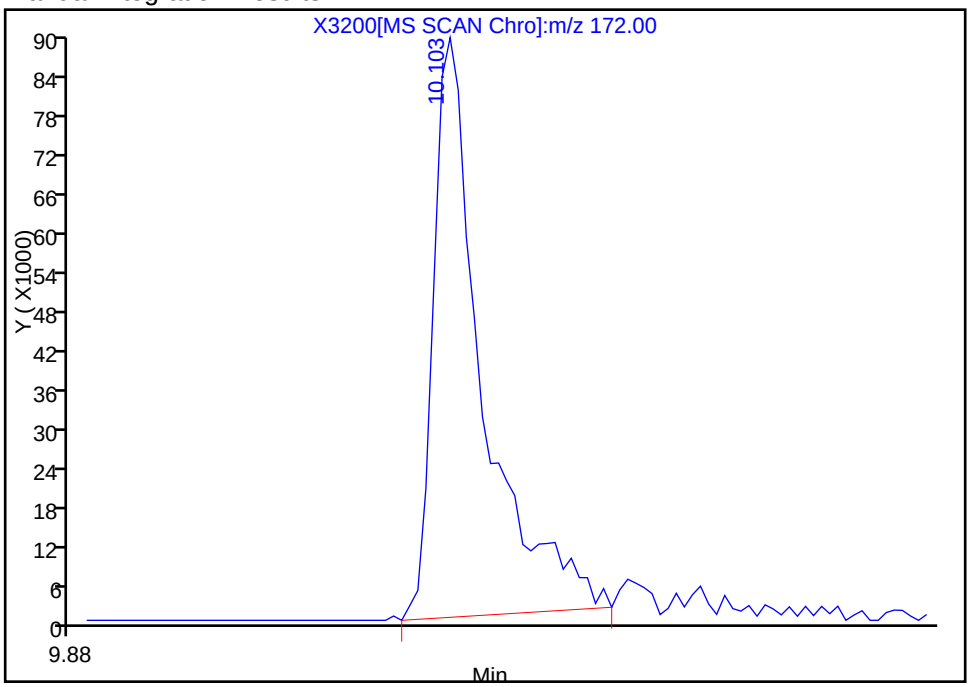
Processing Integration Results

RT: 10.10
Response: 166626
Amount: 1.446415



Manual Integration Results

RT: 10.10
Response: 180502
Amount: 1.635725



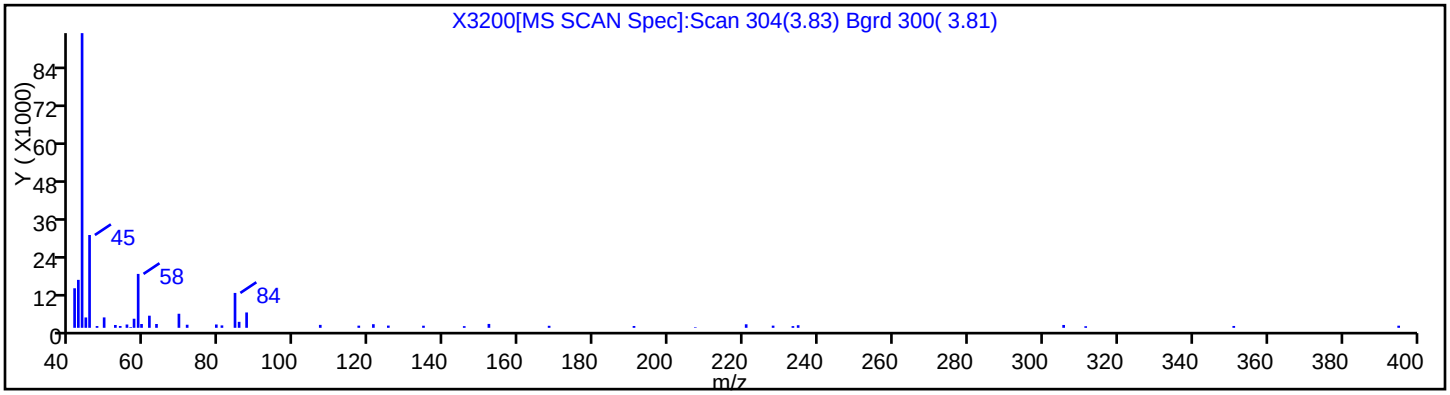
Reviewer: mckernar, 20-Dec-2012 15:08:16
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 11-Mar-2013 13:54:26 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3200.D		
Injection Date:	20-Dec-2012 14:26:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-522-13/15-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	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

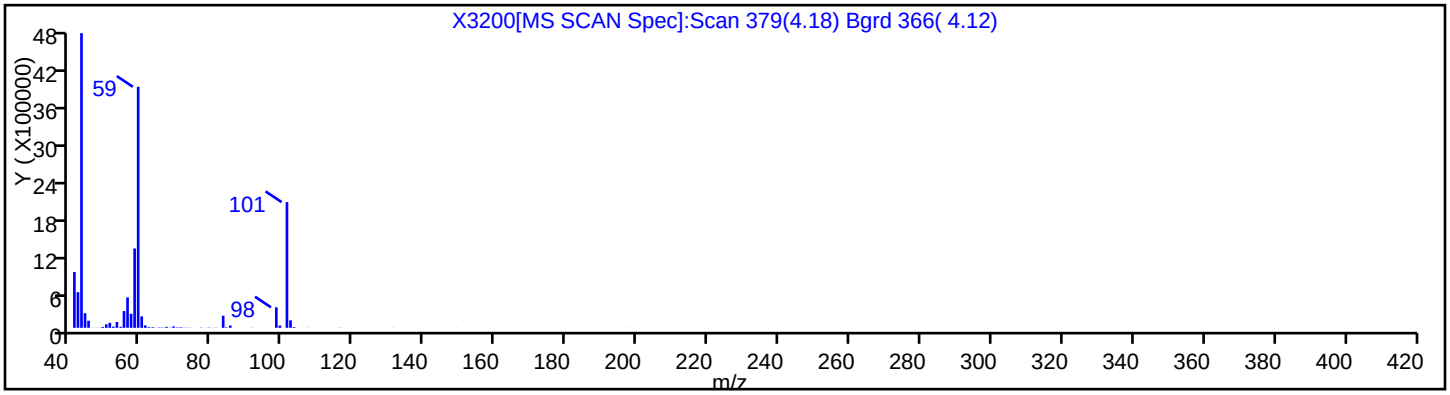


Report Date: 11-Mar-2013 13:54:26 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3200.D		
Injection Date:	20-Dec-2012 14:26:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-522-13/15-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	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

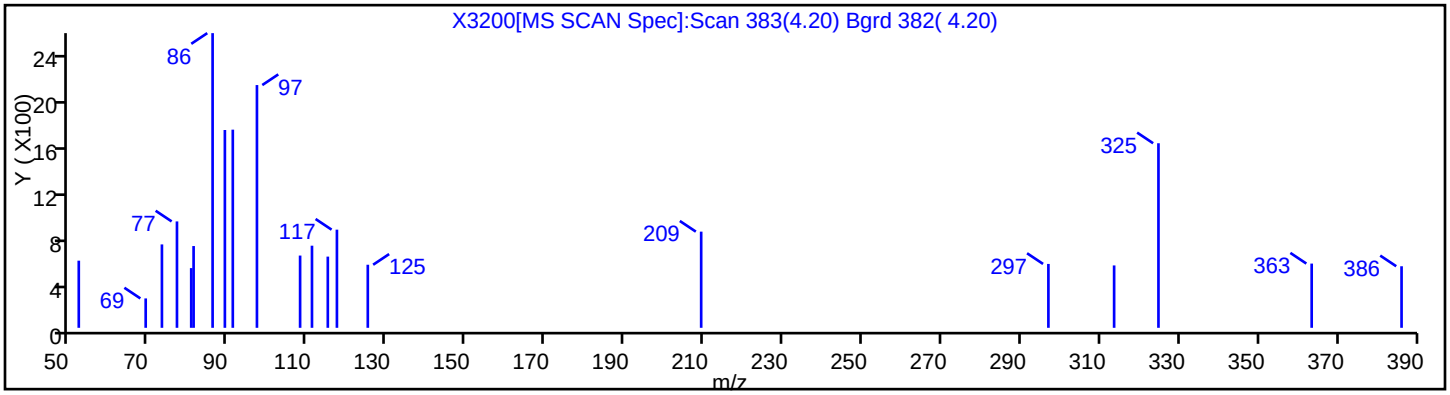


Report Date: 11-Mar-2013 13:54:26 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3200.D		
Injection Date:	20-Dec-2012 14:26:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-522-13/15-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	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

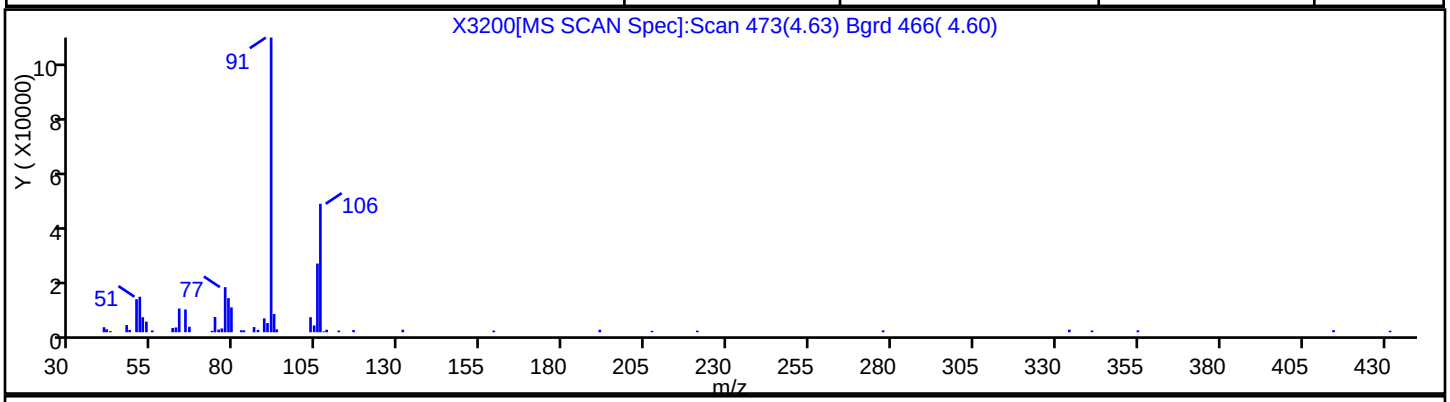


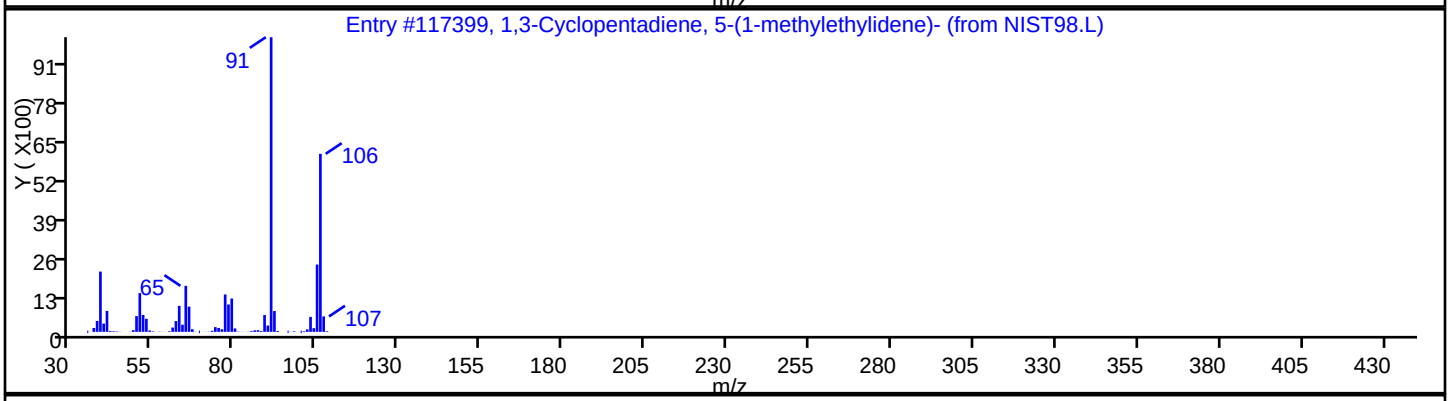
Report Date: 11-Mar-2013 13:54:26 Chrom Revision: 2.0 01-Feb-2013 10:03:10

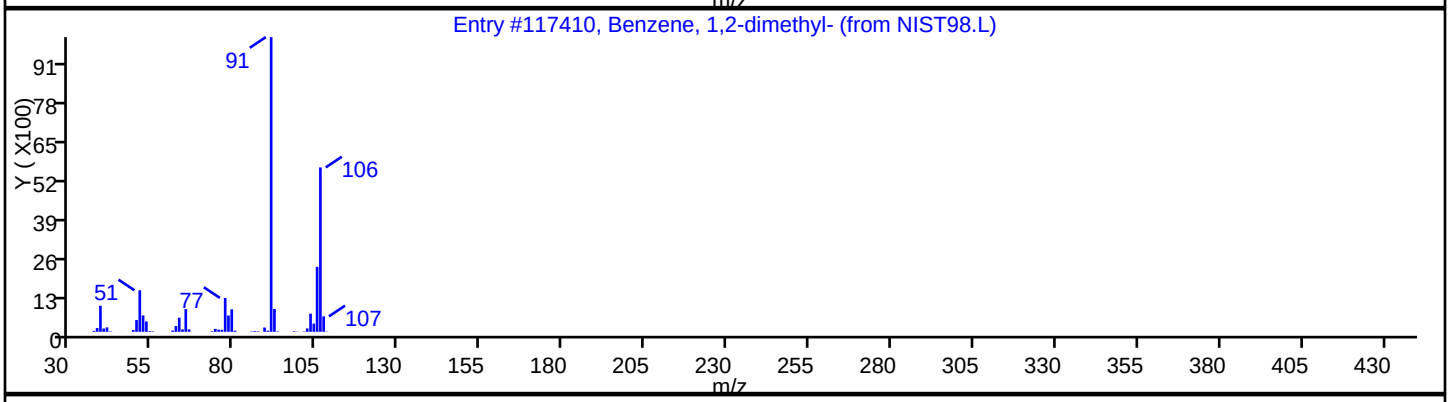
TestAmerica Buffalo

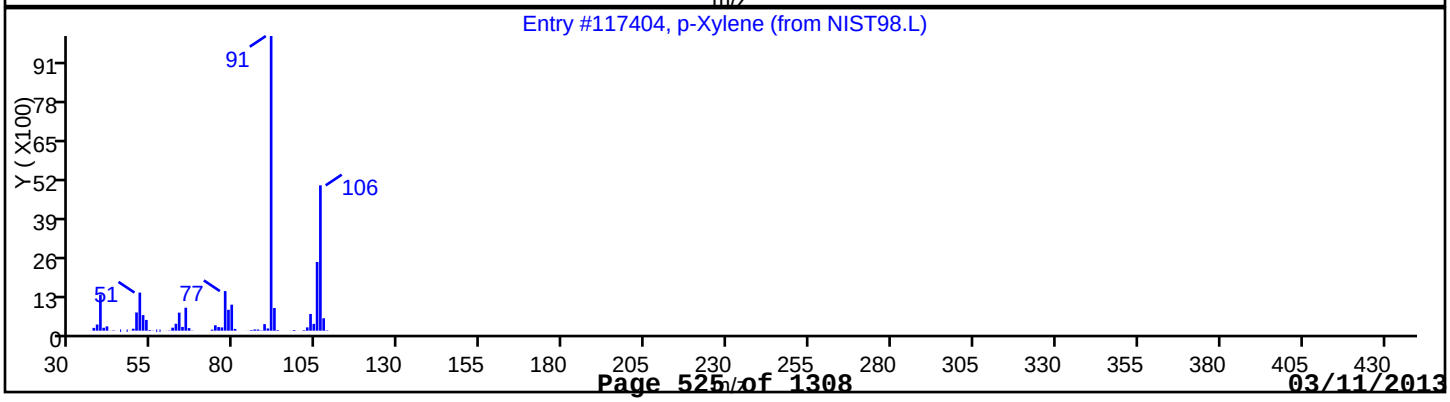
Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3200.D		
Injection Date:	20-Dec-2012 14:26:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-522-13/15-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	11
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
1,3-Cyclopentadiene, 5-(1-methylethylide	2175-91-9	NIST98.L	117399	91
Benzene, 1,2-dimethyl-	95-47-6	NIST98.L	117410	90
p-Xylene	106-42-3	NIST98.L	117404	90







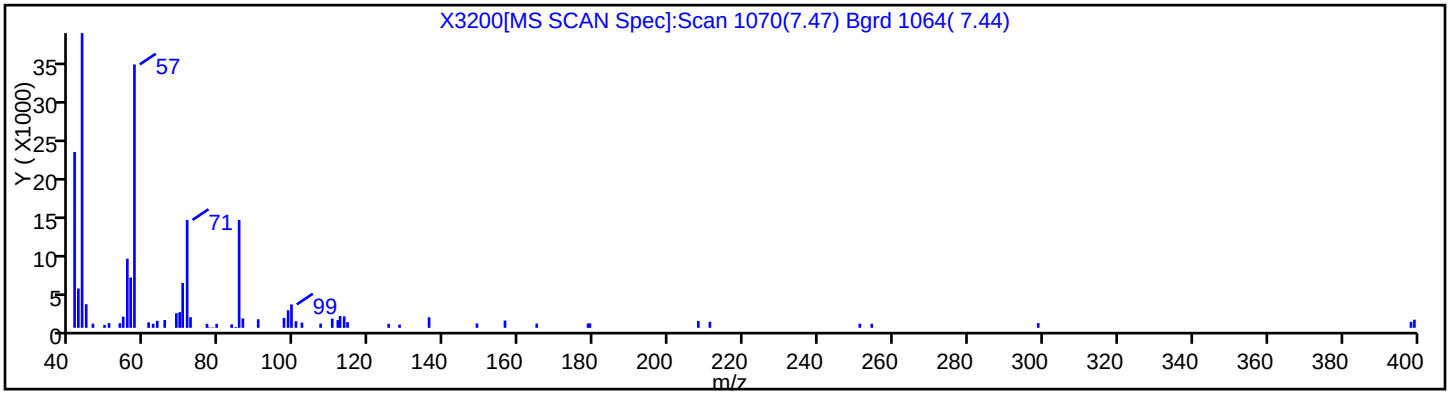


Report Date: 11-Mar-2013 13:54:26 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3200.D		
Injection Date:	20-Dec-2012 14:26:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-522-13/15-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	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

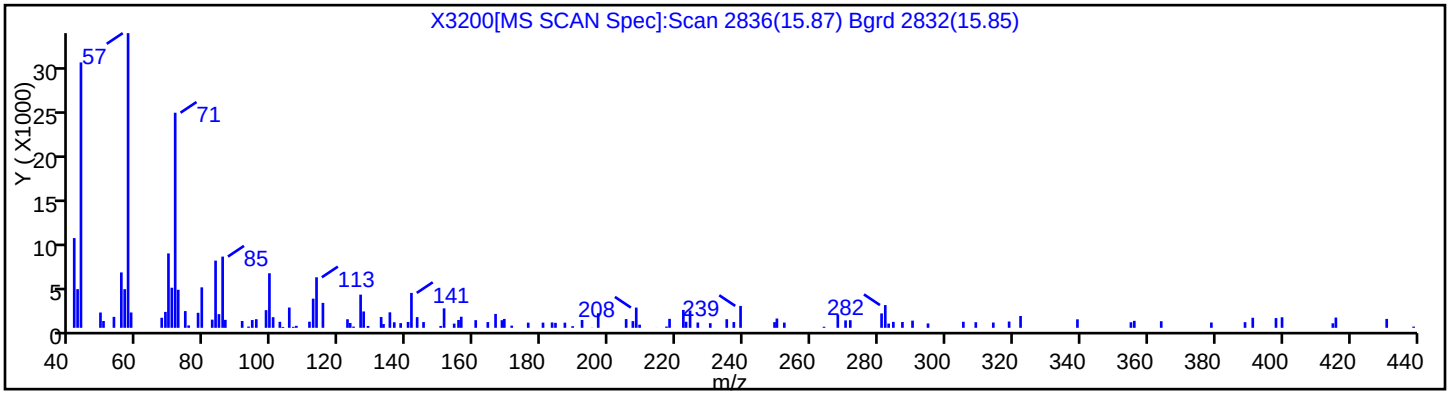


Report Date: 11-Mar-2013 13:54:26 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3200.D		
Injection Date:	20-Dec-2012 14:26:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-522-13/15-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	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

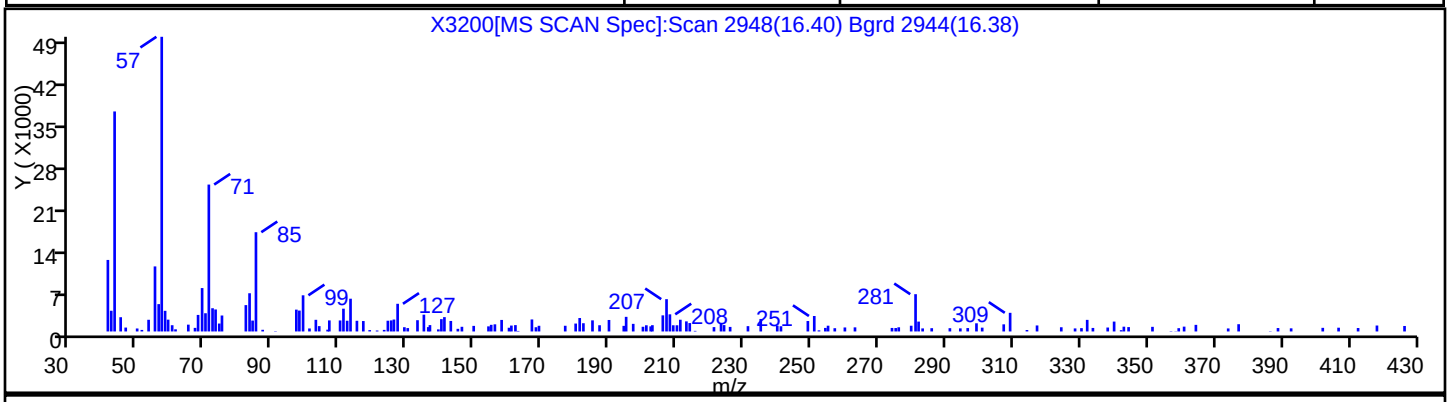


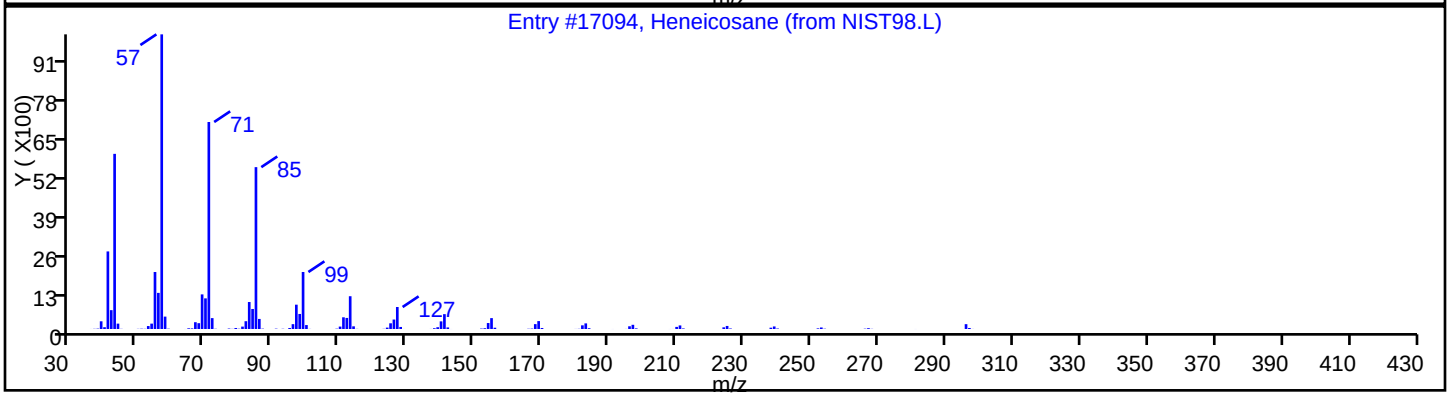
Report Date: 11-Mar-2013 13:54:26 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3200.D		
Injection Date:	20-Dec-2012 14:26:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-522-13/15-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	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
Heneicosane	629-94-7	NIST98.L	17094	91



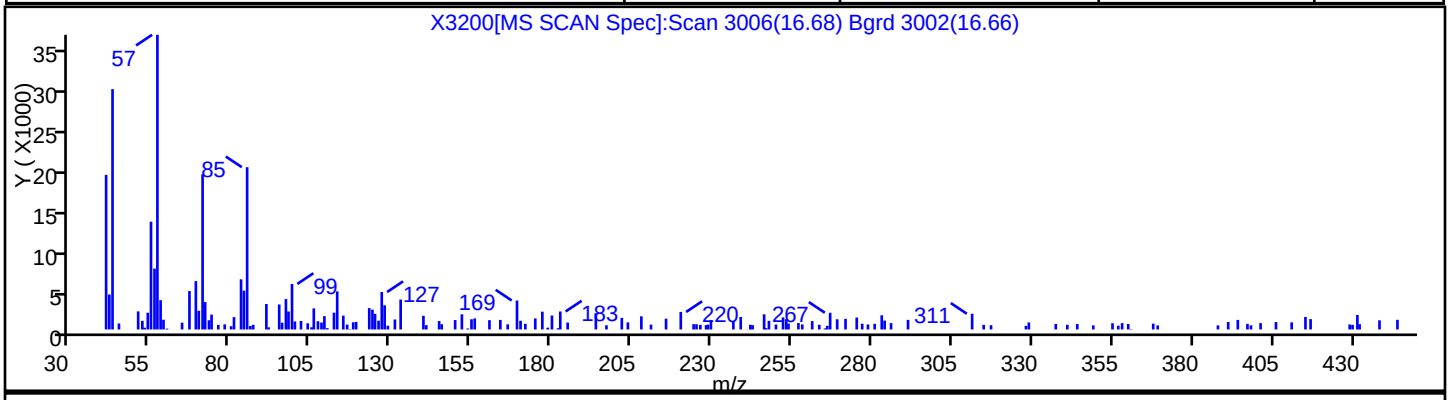


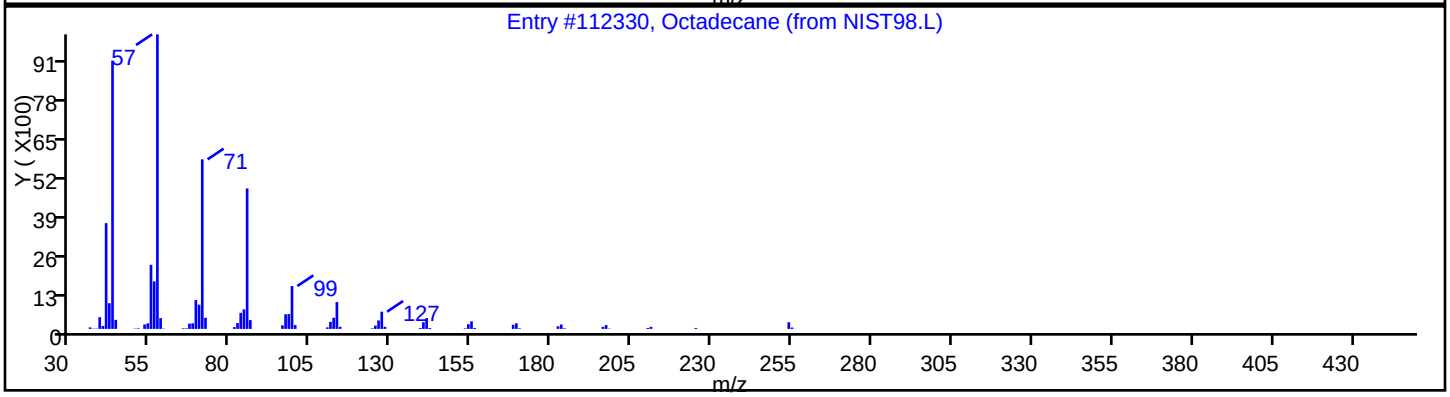
Report Date: 11-Mar-2013 13:54:26 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3200.D		
Injection Date:	20-Dec-2012 14:26:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-522-13/15-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	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
Octadecane	593-45-3	NIST98.L	112330	89



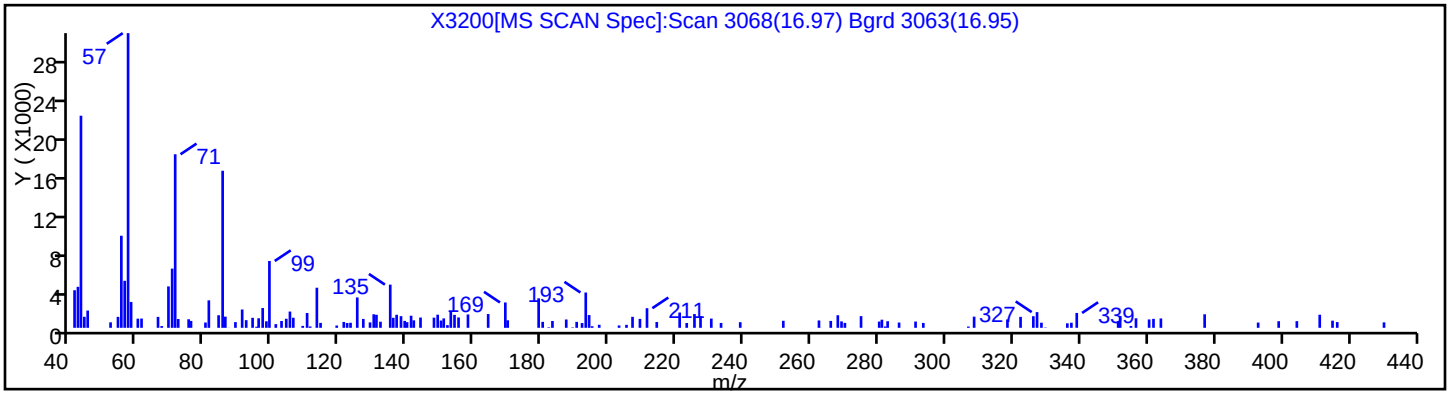


Report Date: 11-Mar-2013 13:54:27 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3200.D		
Injection Date:	20-Dec-2012 14:26:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-522-13/15-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	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

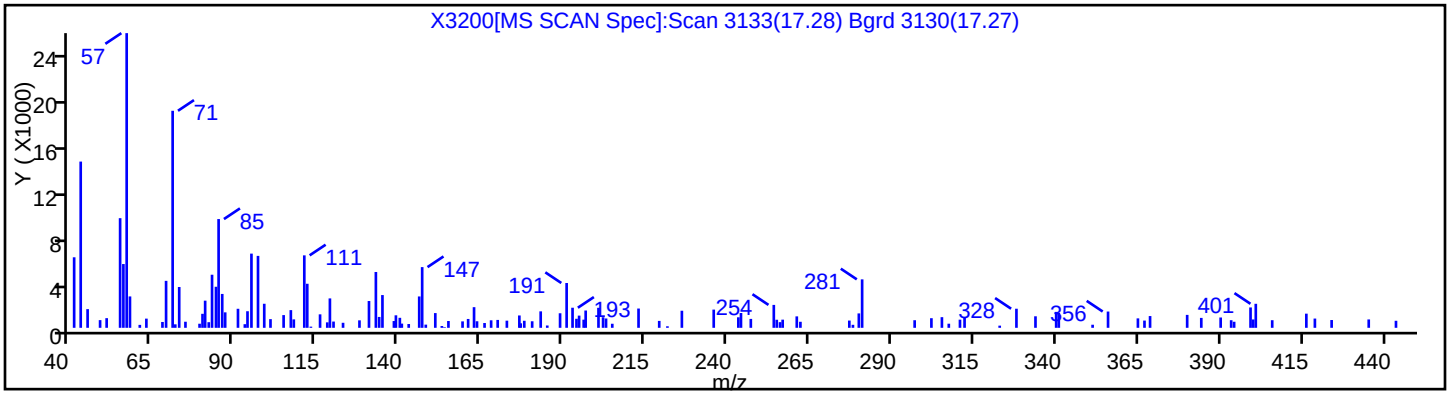


Report Date: 11-Mar-2013 13:54:27 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3200.D		
Injection Date:	20-Dec-2012 14:26:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-522-13/15-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	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 VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-30197-1 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.: 480-30197-1 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.: 480-30197-1 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.: 480-30197-1 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.: 480-30197-1 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.: 480-30197-1 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.: 480-30197-1 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.: 480-30197-1 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	423301	11611 337292	27547 551924	72851 745358	156965	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
2,4,5-Trichlorophenol	ANT	Ave	387150	14692 310061	23950 522303	73198 739930	137551	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
1,1'-Biphenyl	ANT	Ave	1980431	70247 1623648	147932 2539483	378332 3372086	809768	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
2-Chloronaphthalene	ANT	Lin1	1457956	115849 1187040	165356 1959232	323689 2635052	668430	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Phenyl ether	ANT	Ave	1031531	38232 880313	78549 1381412	206565 1925297	449001	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
2-Nitroaniline	ANT	Ave	487023	14515 414625	24342 680120	71533 974942	174954	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Dimethyl phthalate	ANT	Ave	1765594	58407 1466290	131233 2327603	340849 3207926	712993	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
2,6-Dinitrotoluene	ANT	Ave	832086	21625 682331	60374 1103880	146693 1566924	327996	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Acenaphthylene	ANT	Ave	2328468	88280 1934738	189943 3043882	462652 3983727	946253	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
3-Nitroaniline	ANT	Ave	424215	344877	21070 606310	74904 789115	135474	8.00	10.0	1.00 15.0	2.50 20.0	5.00
Acenaphthene	ANT	Ave	17157 1522028	60610 1279309	124892 2009024	302406 2728770	636064	0.100 8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
2,4-Dinitrophenol	ANT	QuaF	362929	263071	7990 495556	35900 846602	117671	16.0	20.0	2.00 30.0	5.00 40.0	10.0
Dibenzofuran	ANT	Ave	9367 2086550	78290 1759046	158117 2713459	406272 3637301	881367	0.100 8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
2,4-Dinitrotoluene	ANT	Ave	556737	13719 434611	40061 751696	82195 1039381	192907	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
4-Nitrophenol	ANT	Ave	742608	599830	35867 1031347	117392 1414081	240901	16.0	20.0	2.00 30.0	5.00 40.0	10.0
2,3,4,6-Tetrachlorophenol	ANT	Ave	354070	7906 265067	25922 363823	68881 525225	104485	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Diethyl phthalate	ANT	Ave	1906615	65968 1570153	157267 2463981	375633 3276872	789783	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
Fluorene	ANT	Ave	1869207	64267 1495486	142510 2378424	356637 3205979	767084	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
4-Chlorophenyl phenyl ether	ANT	Ave	786759	28503 690804	67135 1051673	144079 1460150	343625	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
4-Nitroaniline	ANT	Lin1	429983	571 355912	28981 596014	71047 816043	152208	8.00	0.500 10.0	1.00 15.0	2.50 20.0	5.00
4,6-Dinitro-2-methylphenol	ANT	Lin1	599821	8320 460957	21166 797804	63572 1135498	203339	16.0	1.00 20.0	2.00 30.0	5.00 40.0	10.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-30197-1 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.: 480-30197-1 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

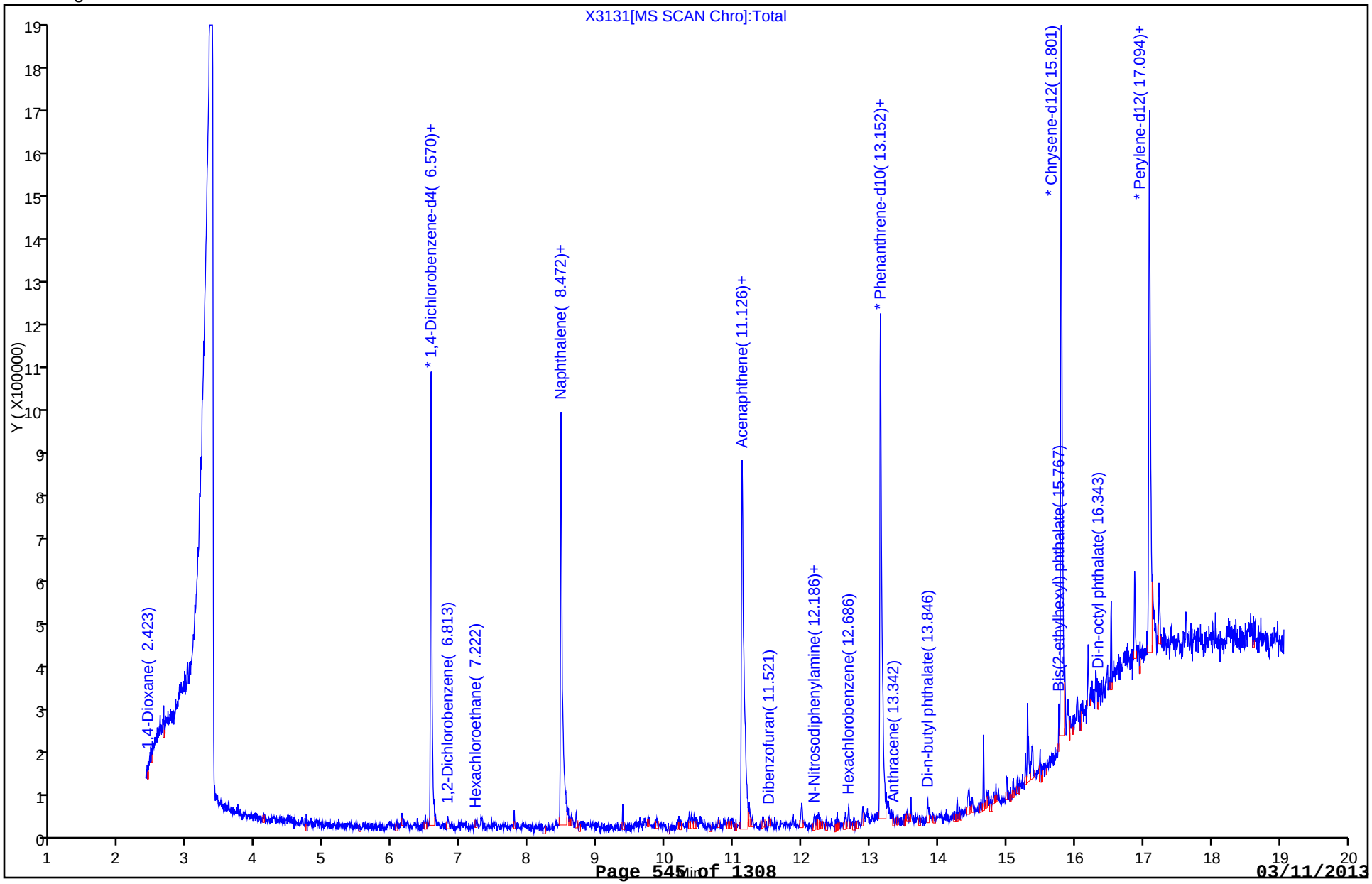
Review Flags
M - Manually Integrated

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:



Report Date: 18-Dec-2012 16:42:57 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

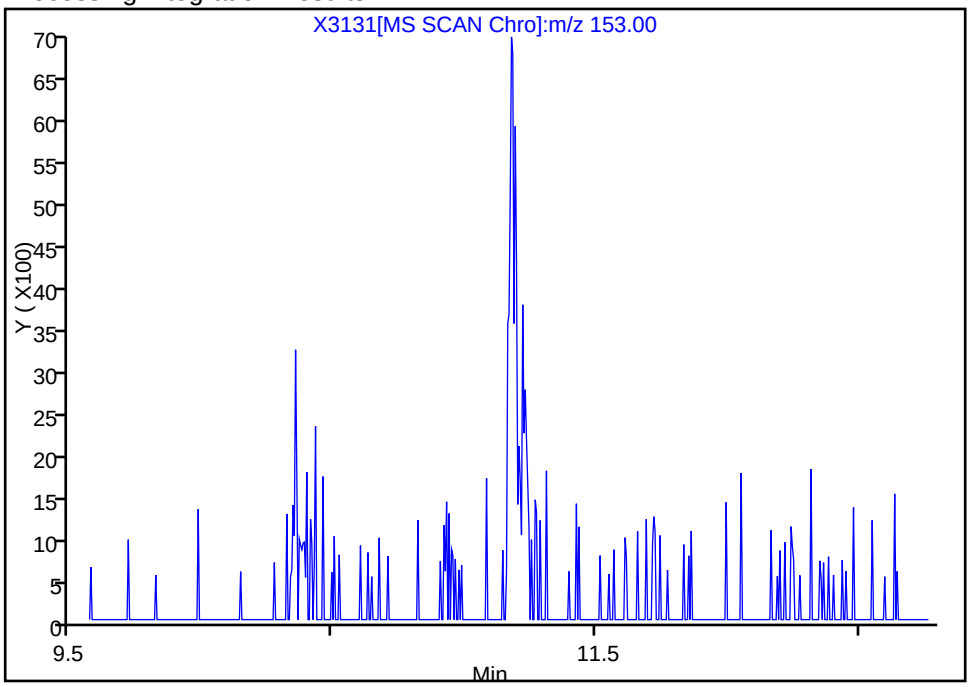
TestAmerica Buffalo

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

71 Acenaphthene, Signal: 1, m/z: 153.0 Type: quant, RT: 11.17

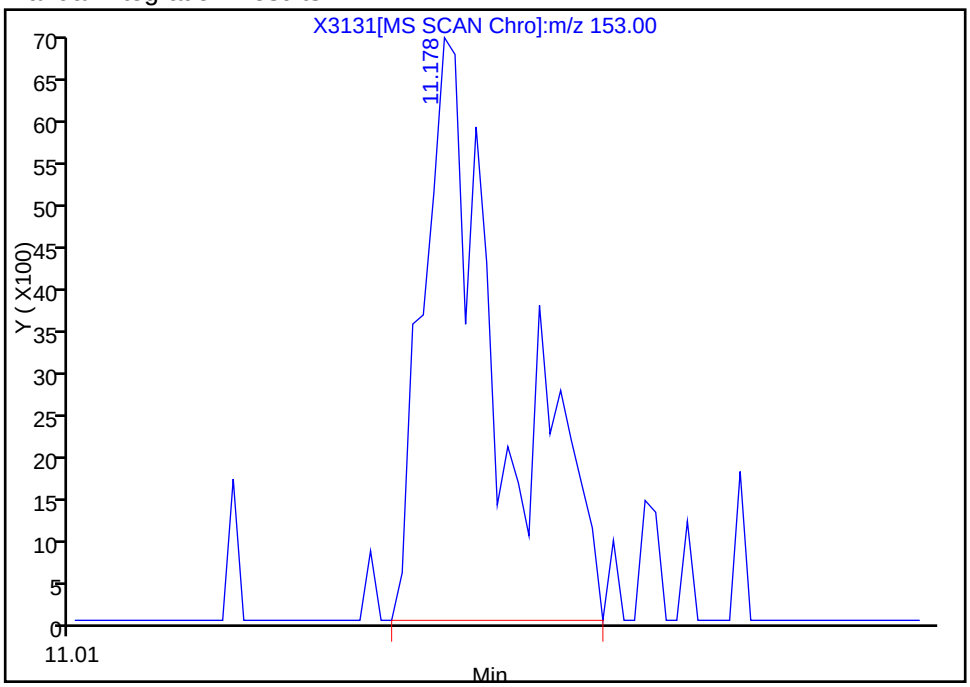
Processing Integration Results

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

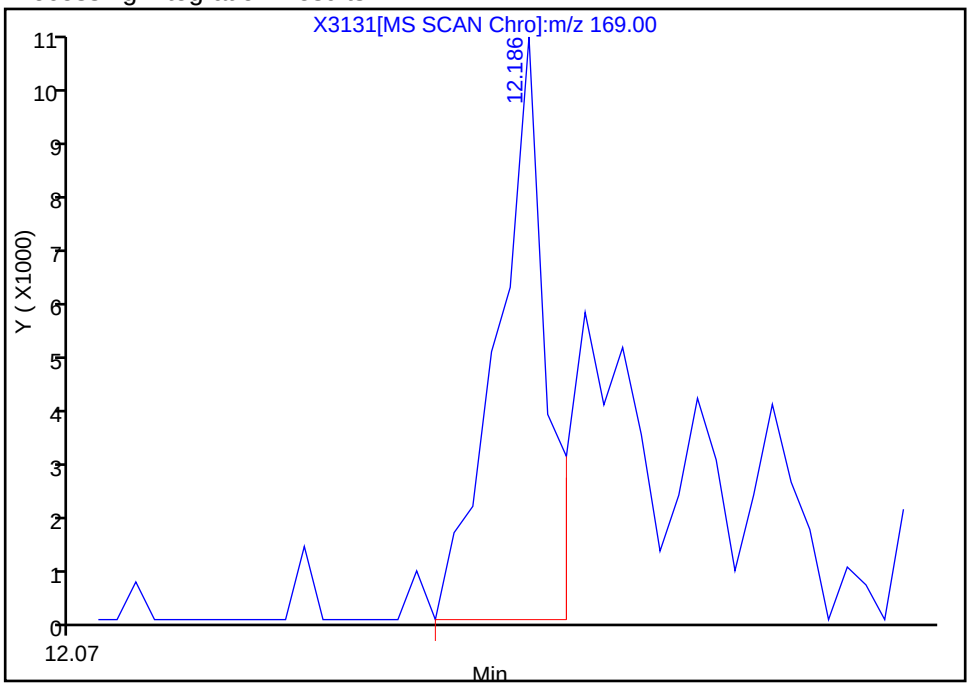
TestAmerica Buffalo

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

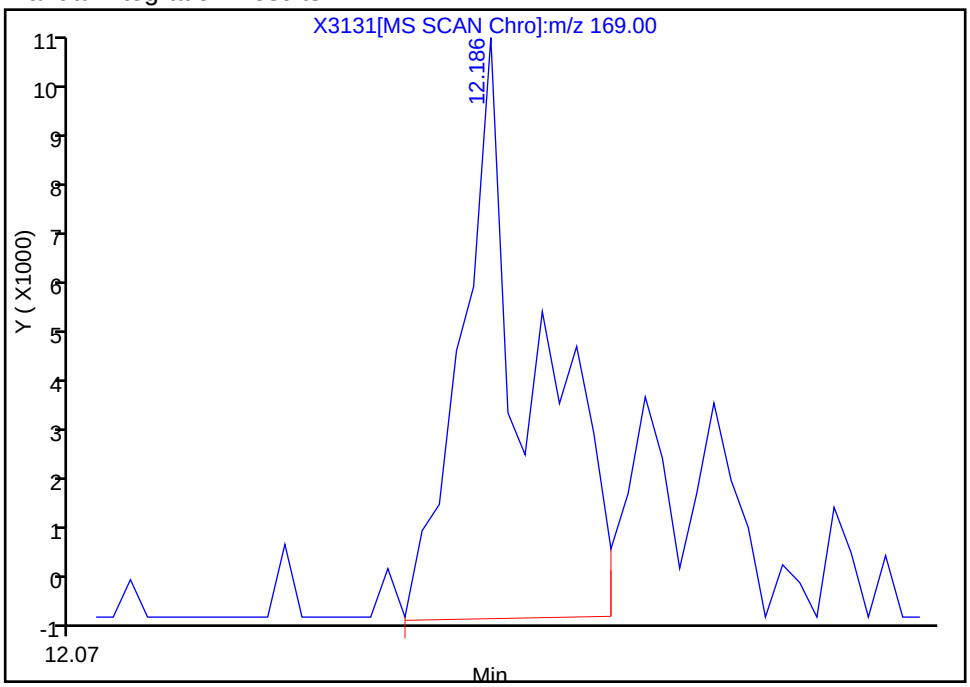
Processing Integration Results

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

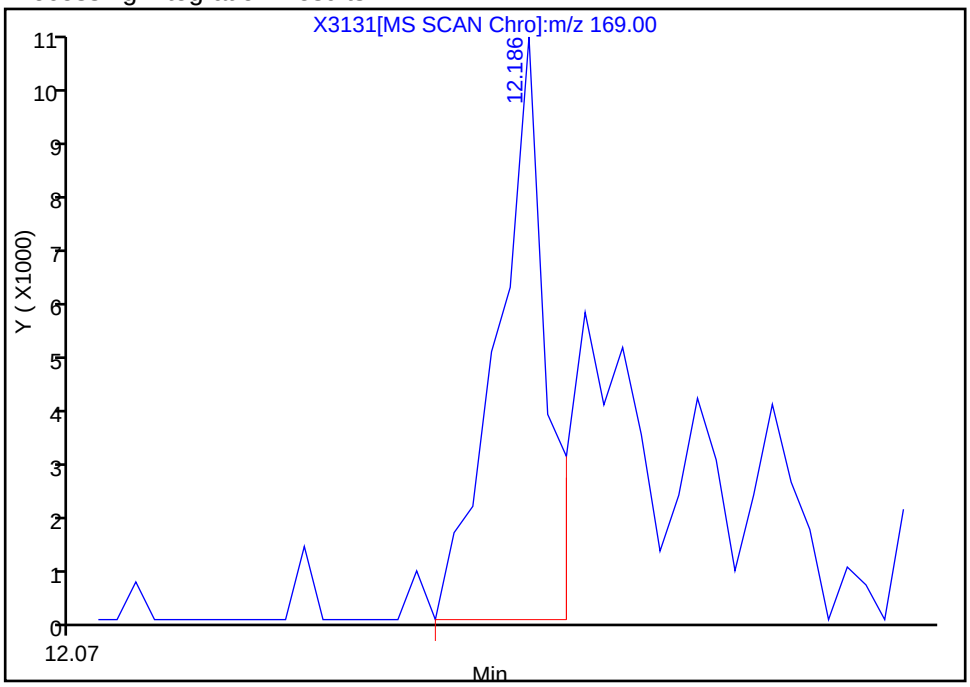
TestAmerica Buffalo

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

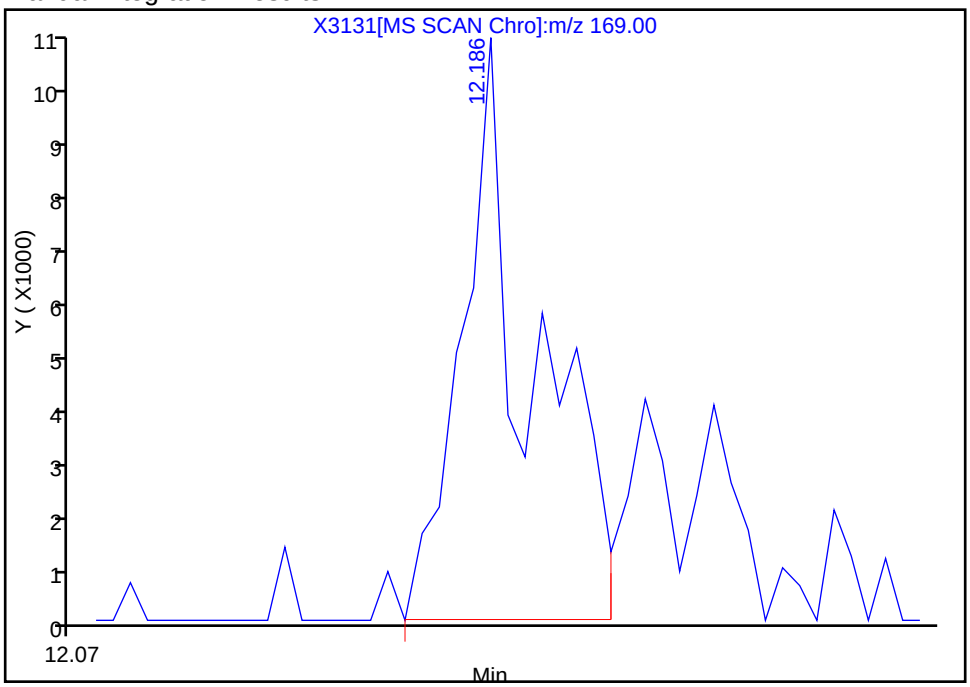
Processing Integration Results

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

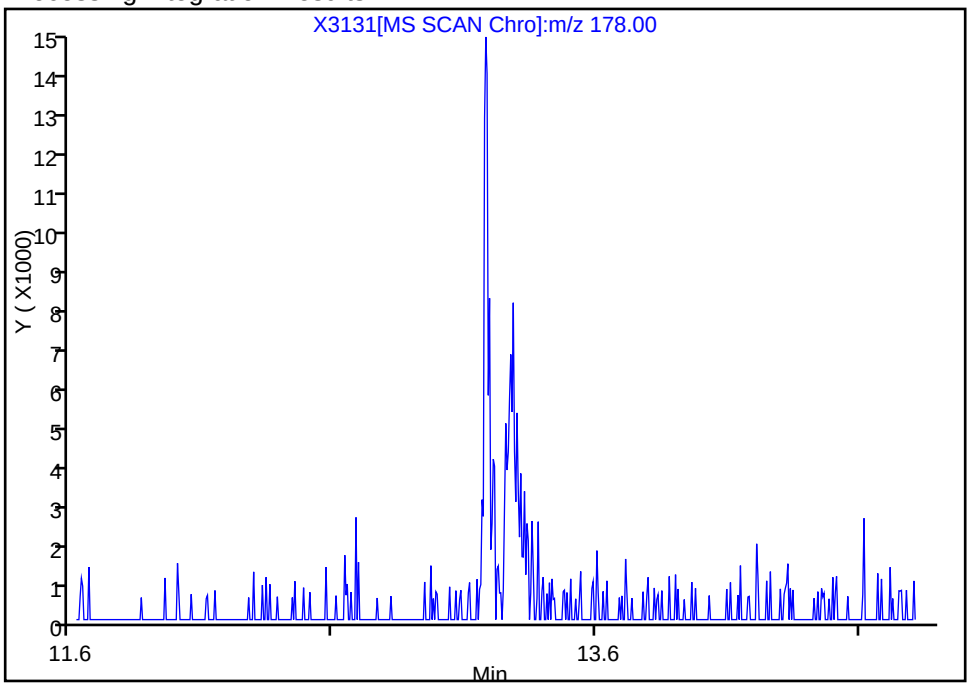
TestAmerica Buffalo

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

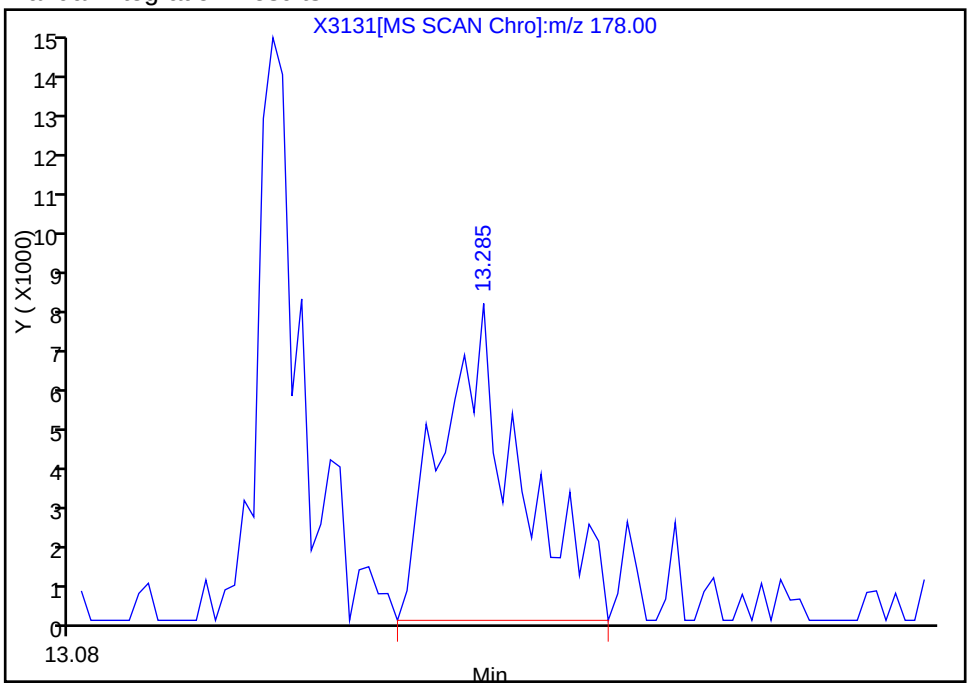
Processing Integration Results

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

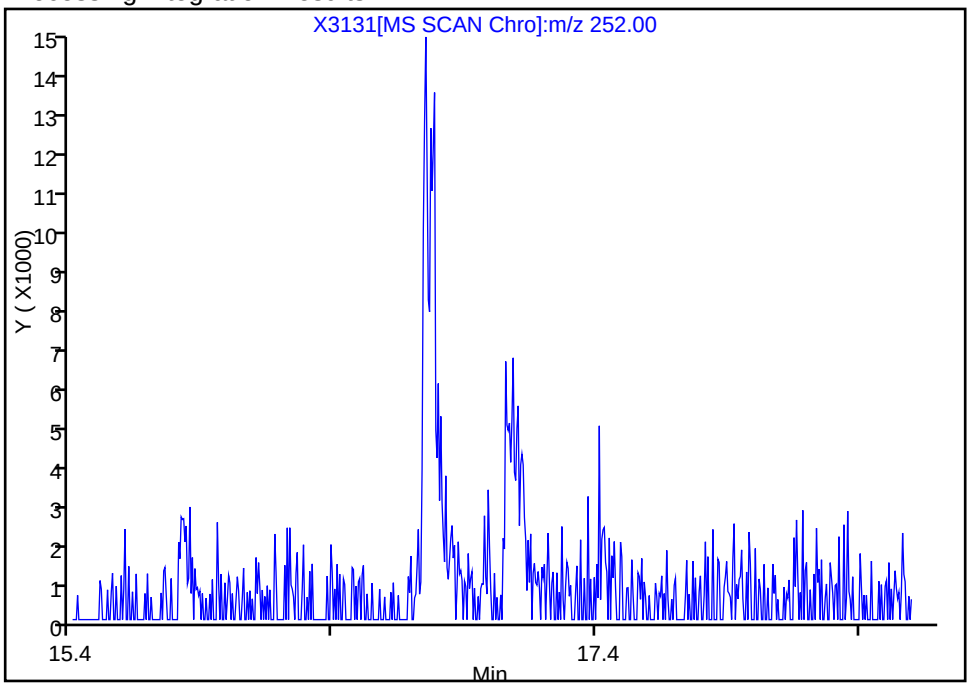
TestAmerica Buffalo

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

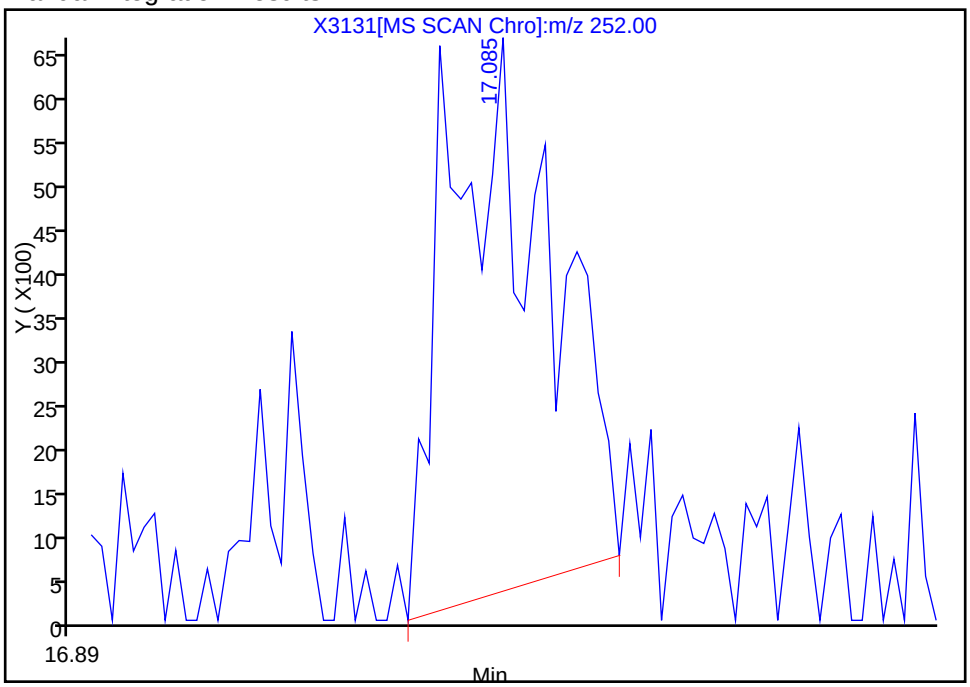
Processing Integration Results

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

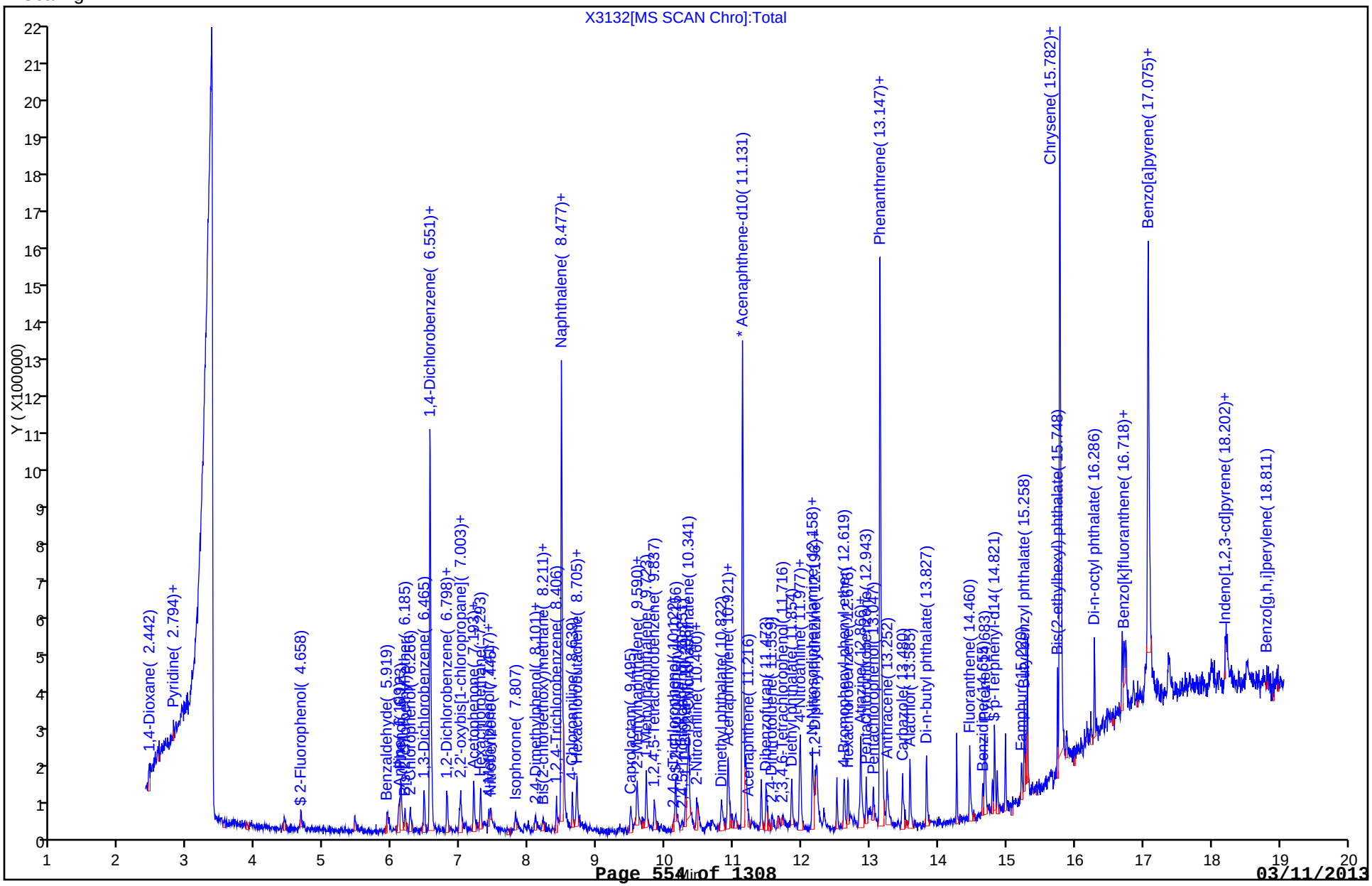
Processing Flags
1 - Missing Peaks
4 - Failed Signal Ratio Test

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

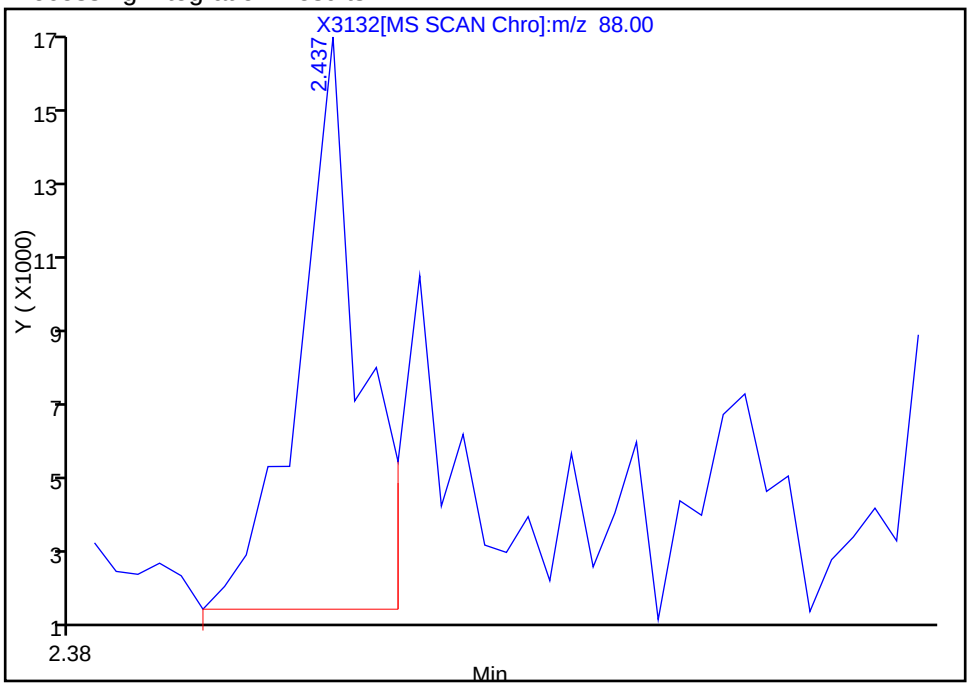
TestAmerica Buffalo

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

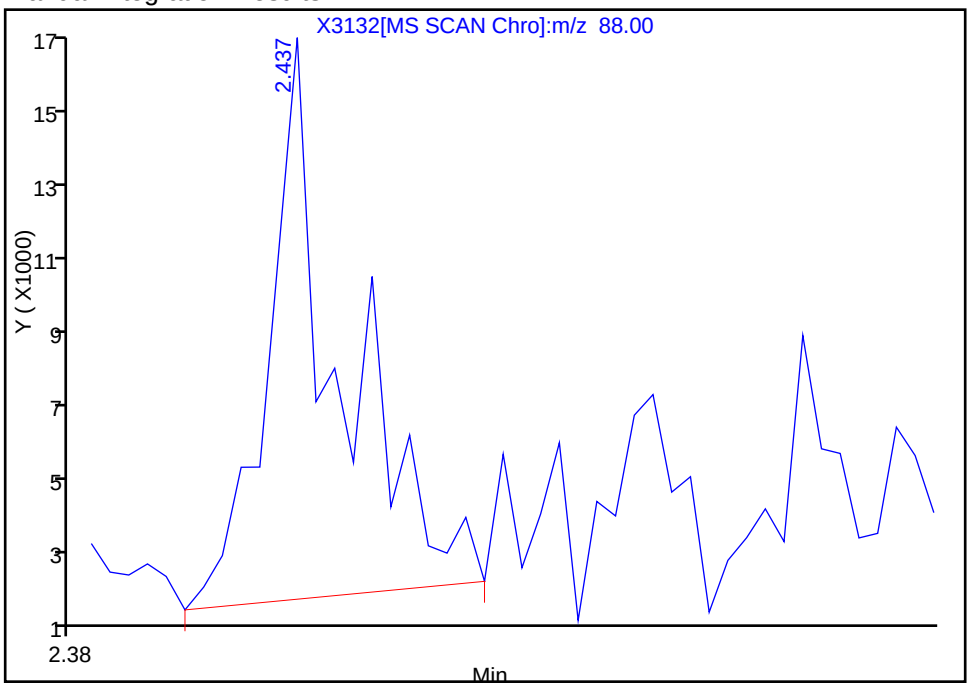
Processing Integration Results

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

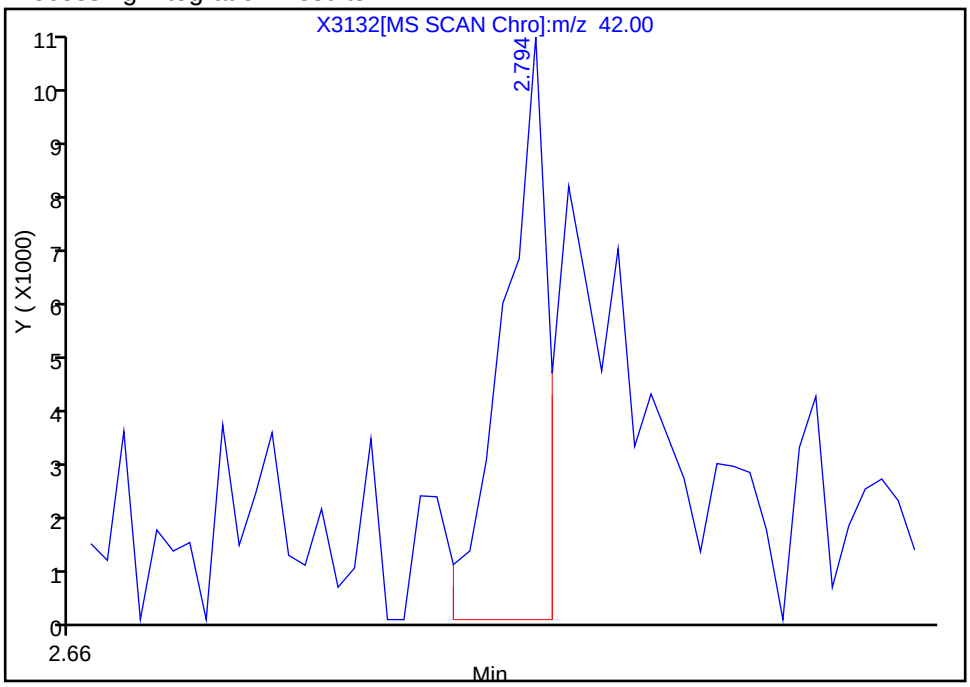
TestAmerica Buffalo

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

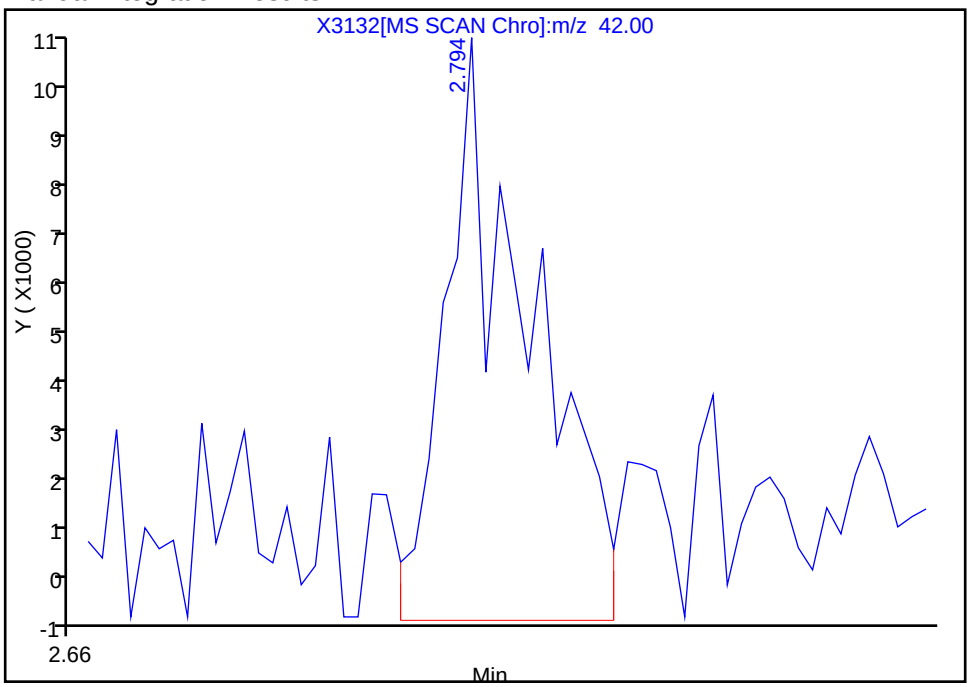
Processing Integration Results

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
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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

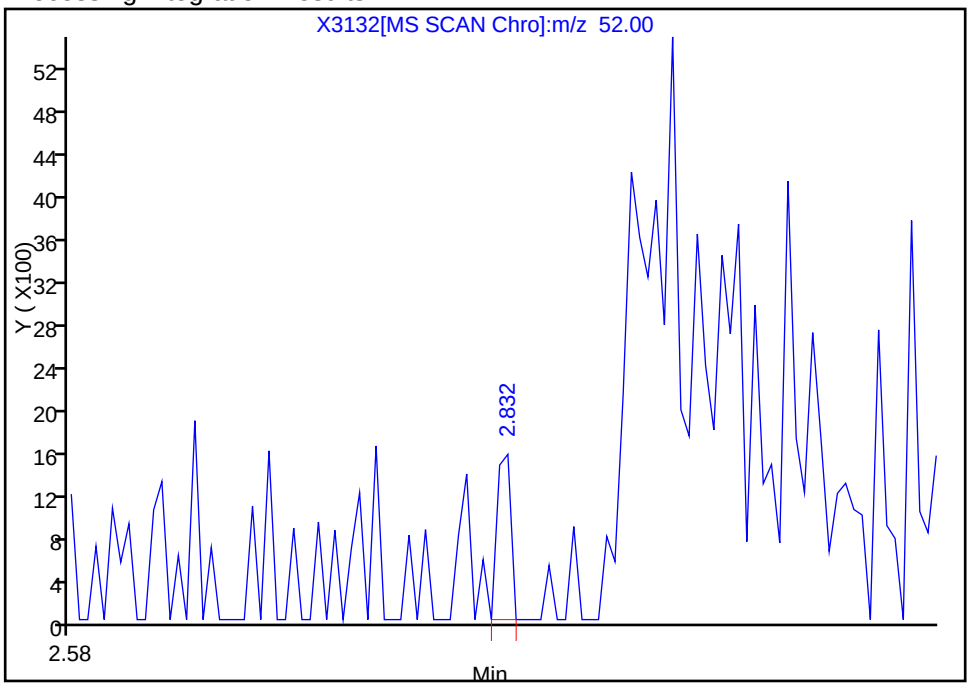
TestAmerica Buffalo

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

20 Pyridine, Signal: 1, m/z: 52.0 Type: quant, RT: 2.91

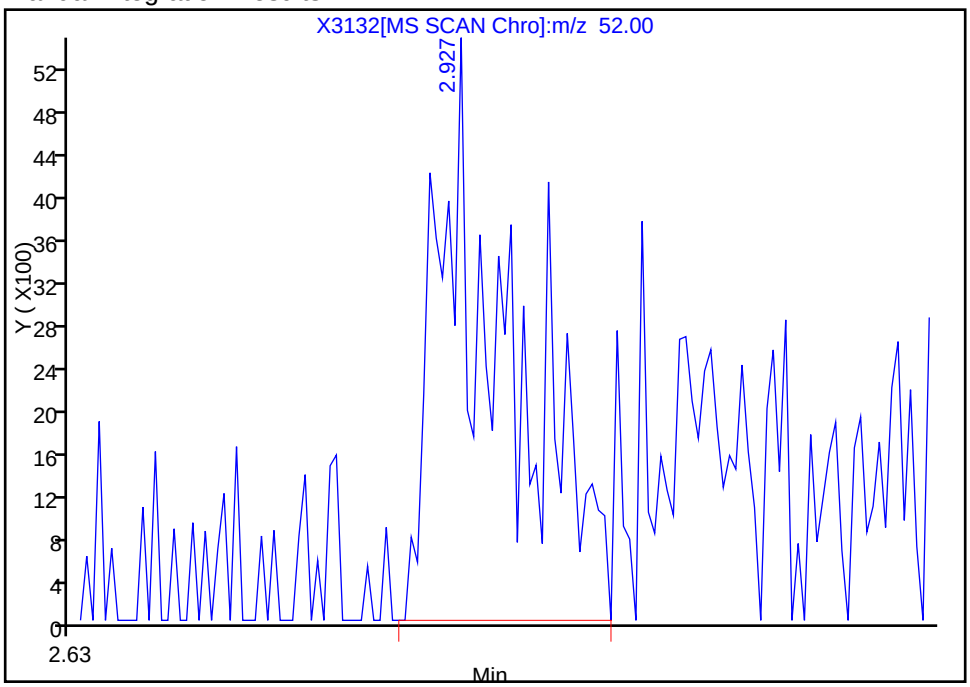
Processing Integration Results

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

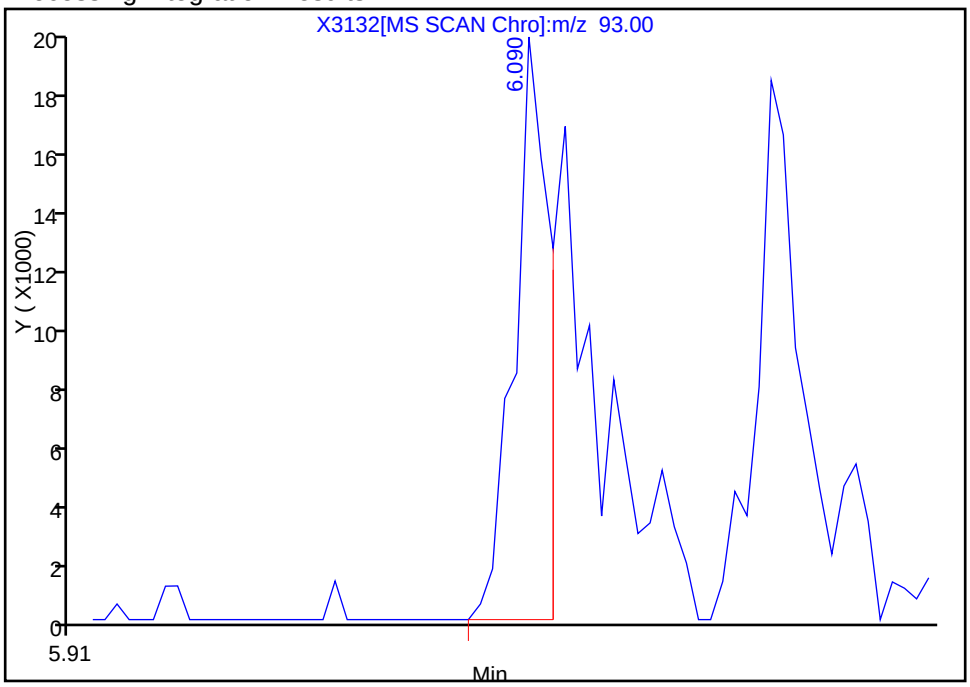
TestAmerica Buffalo

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

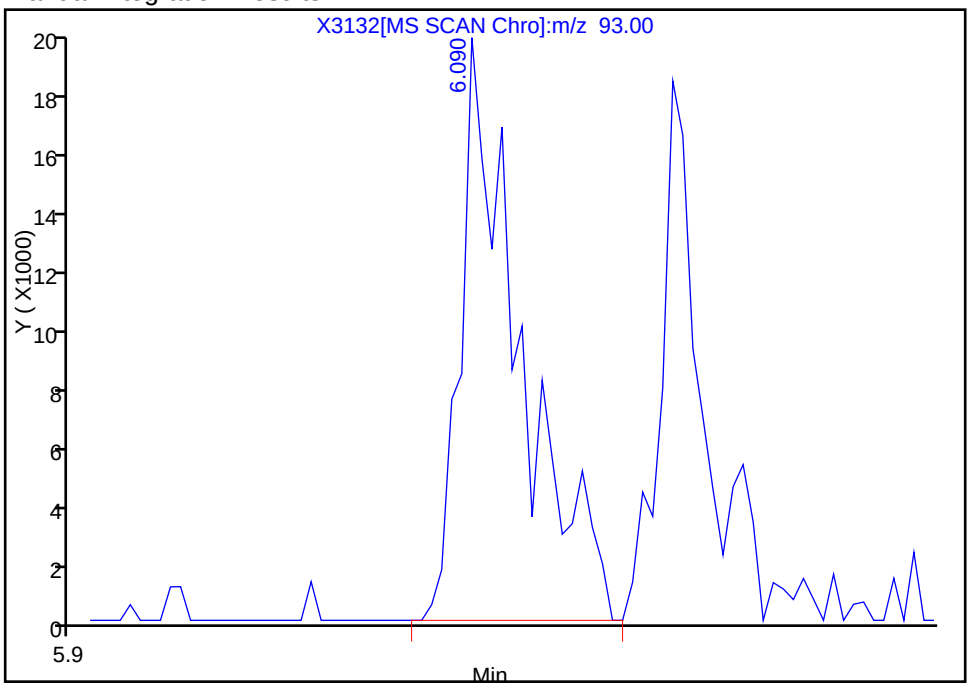
Processing Integration Results

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

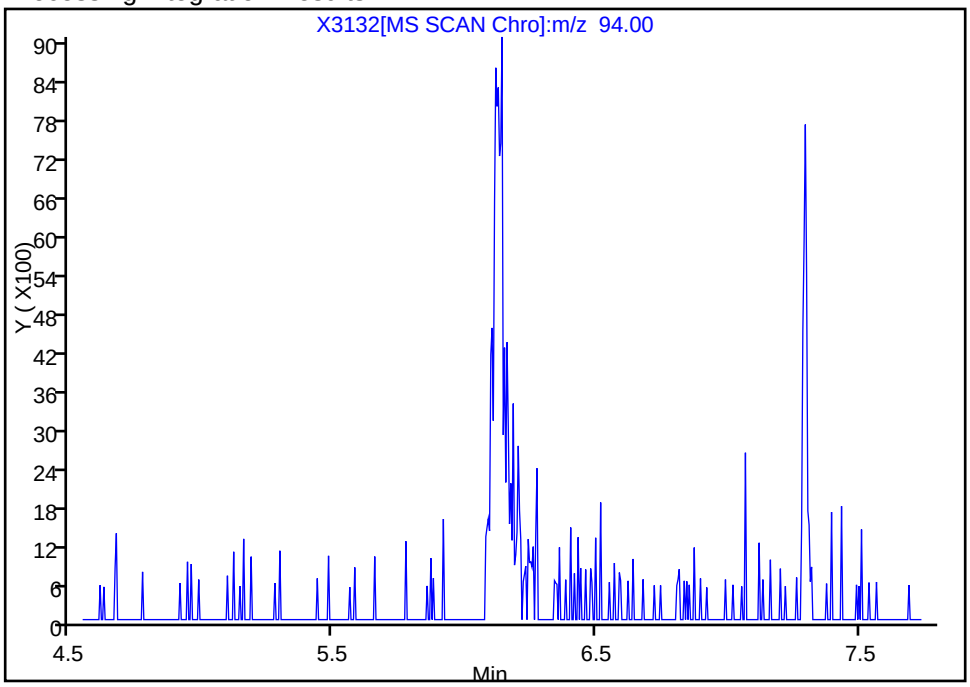
TestAmerica Buffalo

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

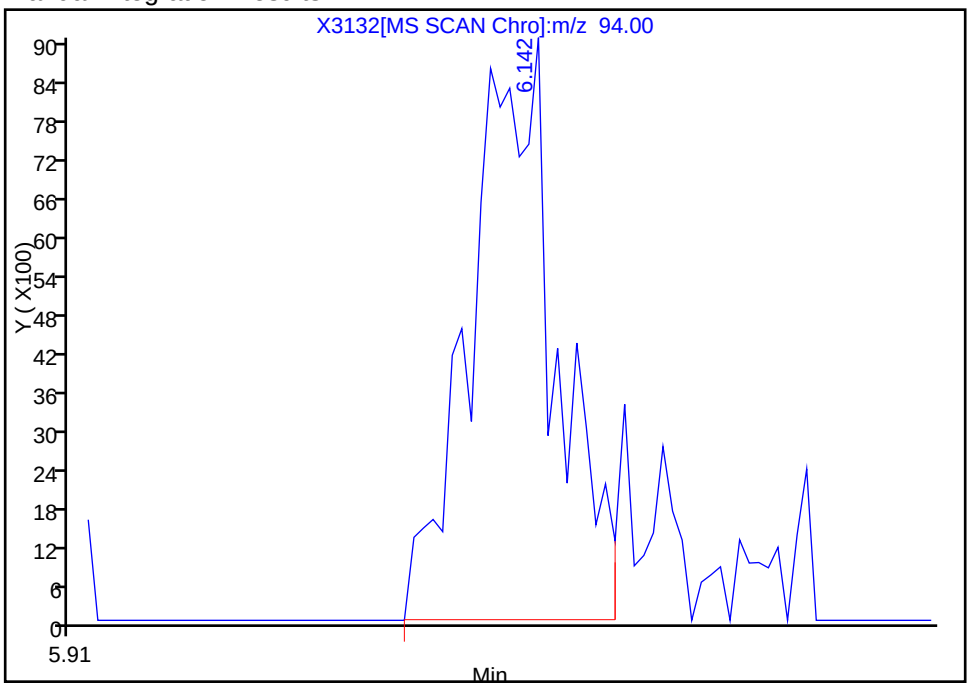
Processing Integration Results

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
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Manual Integration/User Assign Peak Report

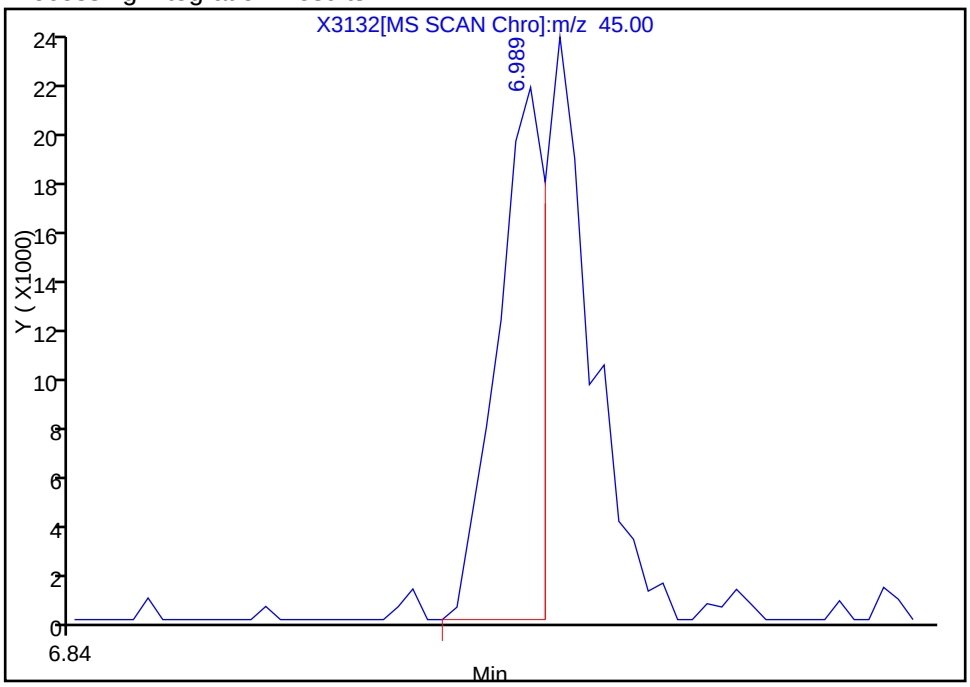
TestAmerica Buffalo

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

32 2,2'-oxybis[1-chloropropane], Signal: 1, m/z: 45.0 Type: quant, RT: 7.02

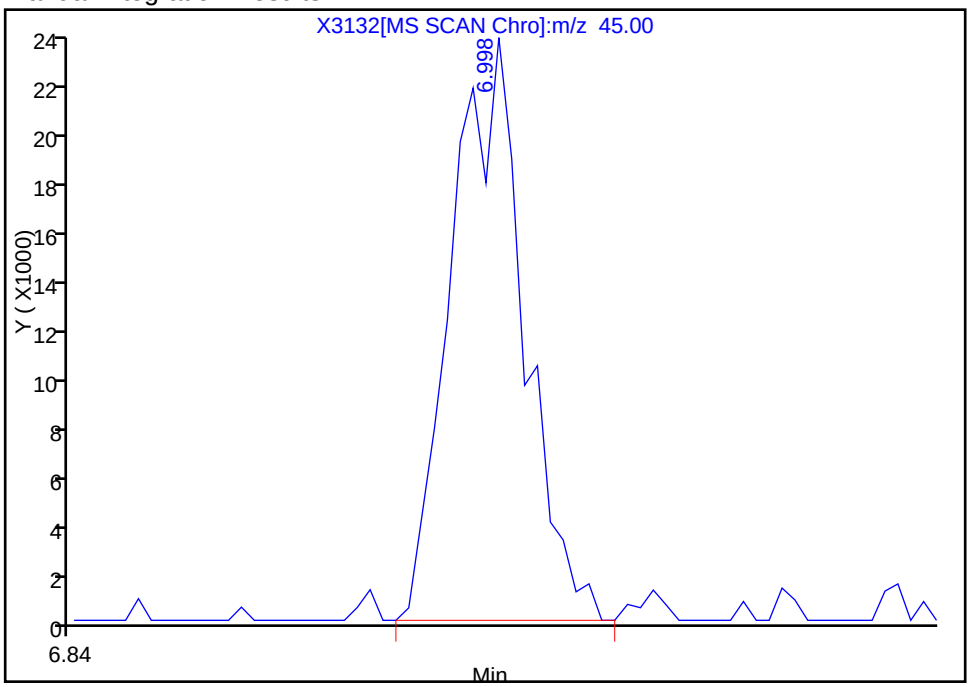
Processing Integration Results

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
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Manual Integration/User Assign Peak Report

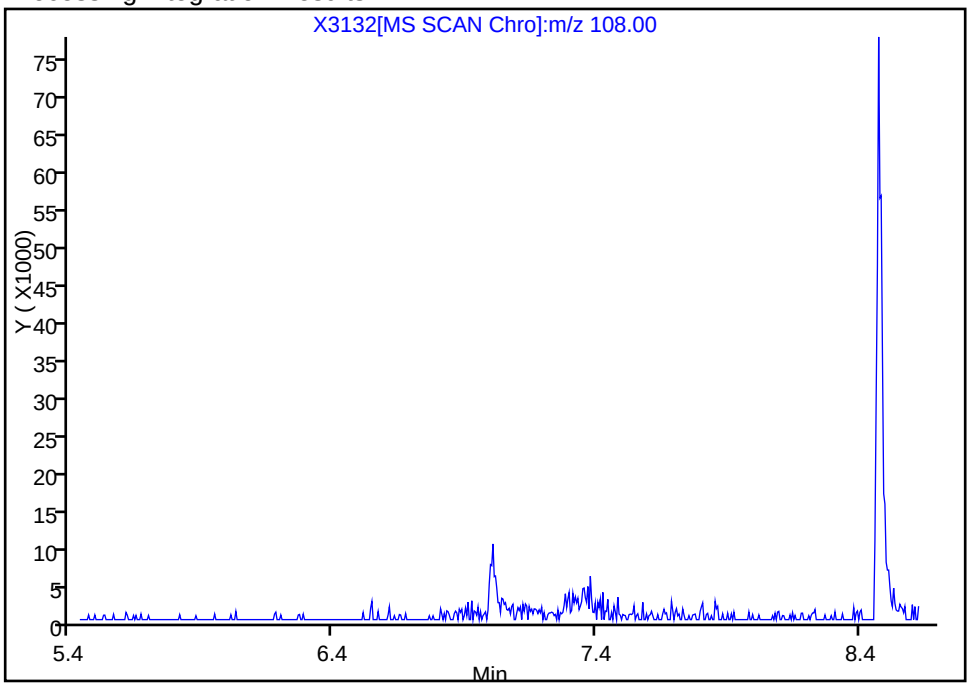
TestAmerica Buffalo

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

31 2-Methylphenol, Signal: 1, m/z: 108.0 Type: quant, RT: 7.03

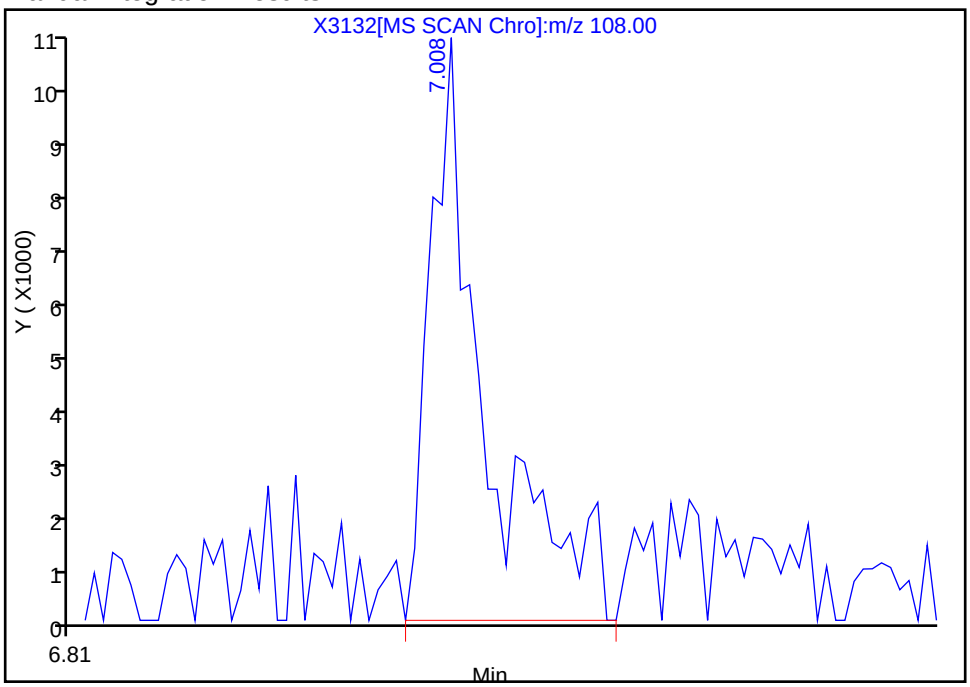
Processing Integration Results

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
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Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

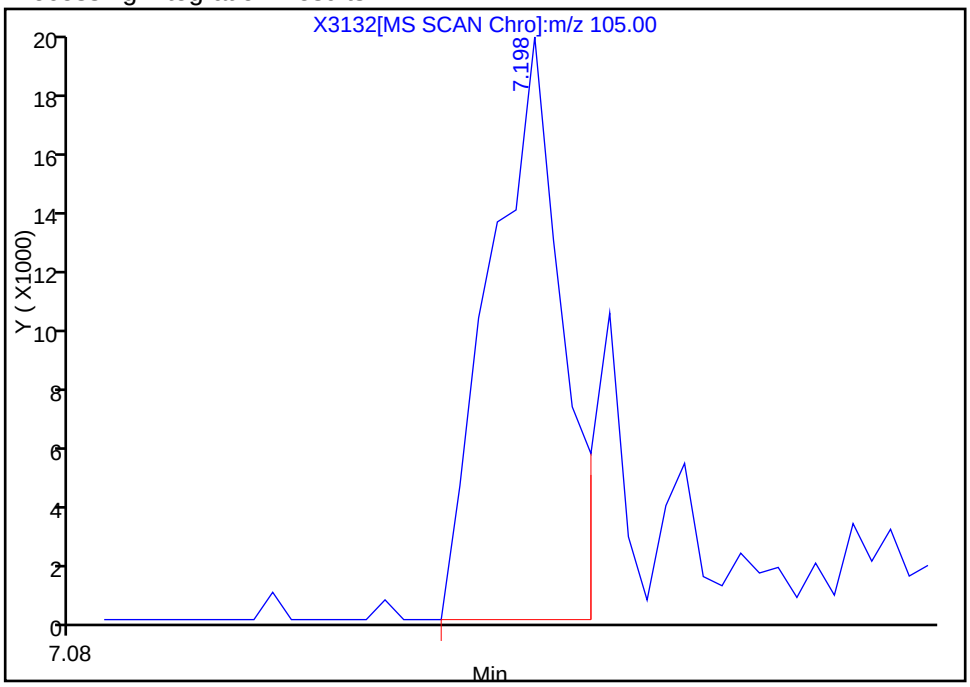
TestAmerica Buffalo

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

33 Acetophenone, Signal: 1, m/z: 105.0 Type: quant, RT: 7.21

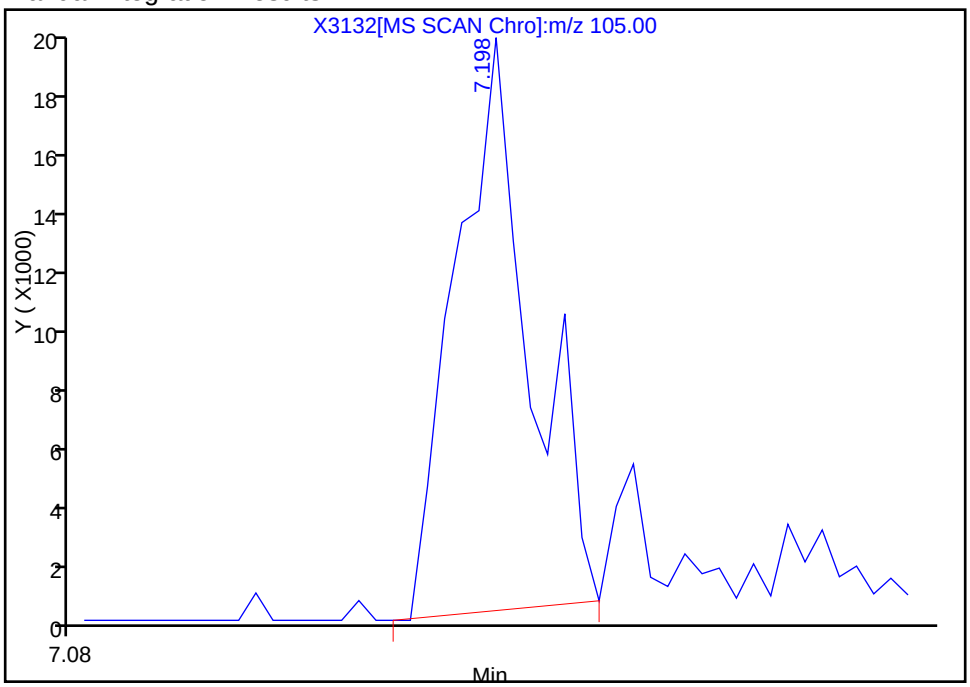
Processing Integration Results

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

Report Date: 18-Dec-2012 16:42:59 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

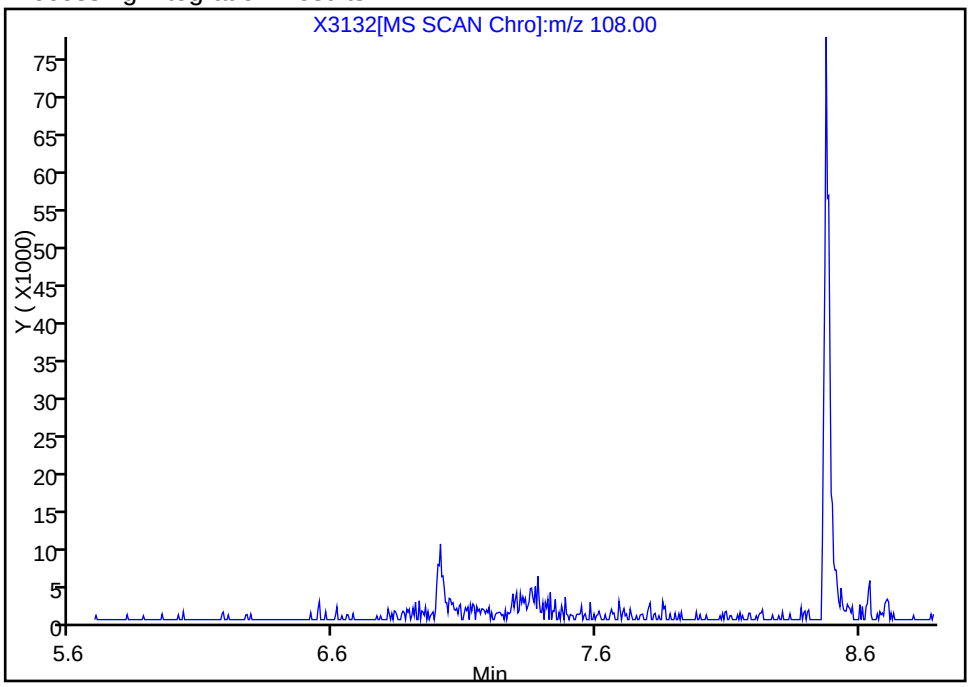
TestAmerica Buffalo

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

36 4-Methylphenol, Signal: 1, m/z: 108.0 Type: quant, RT: 7.29

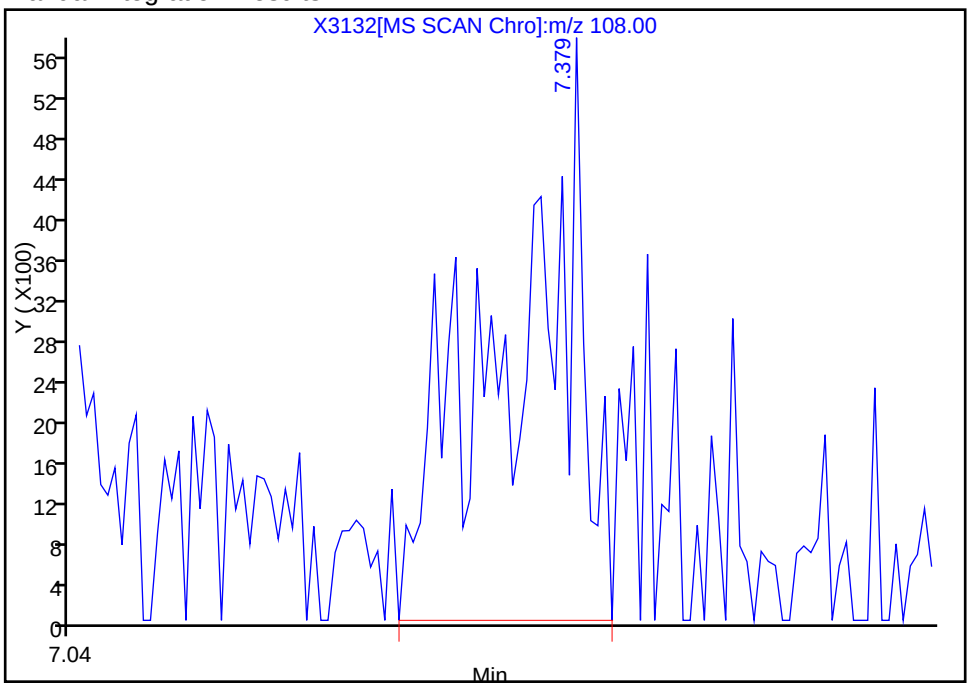
Processing Integration Results

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
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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

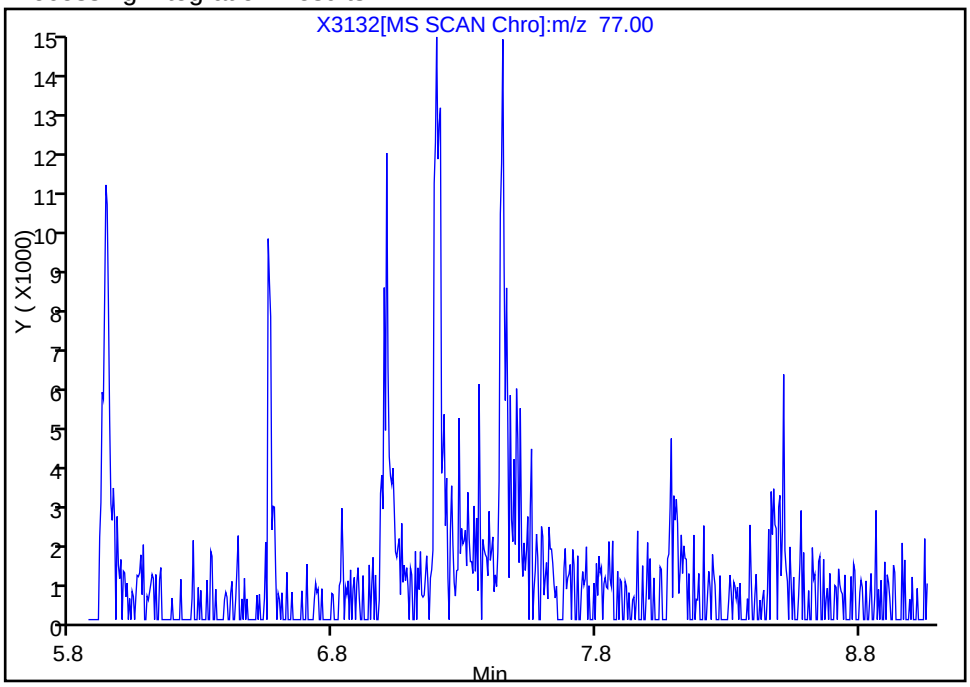
TestAmerica Buffalo

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

38 Nitrobenzene, Signal: 1, m/z: 77.0 Type: quant, RT: 7.46

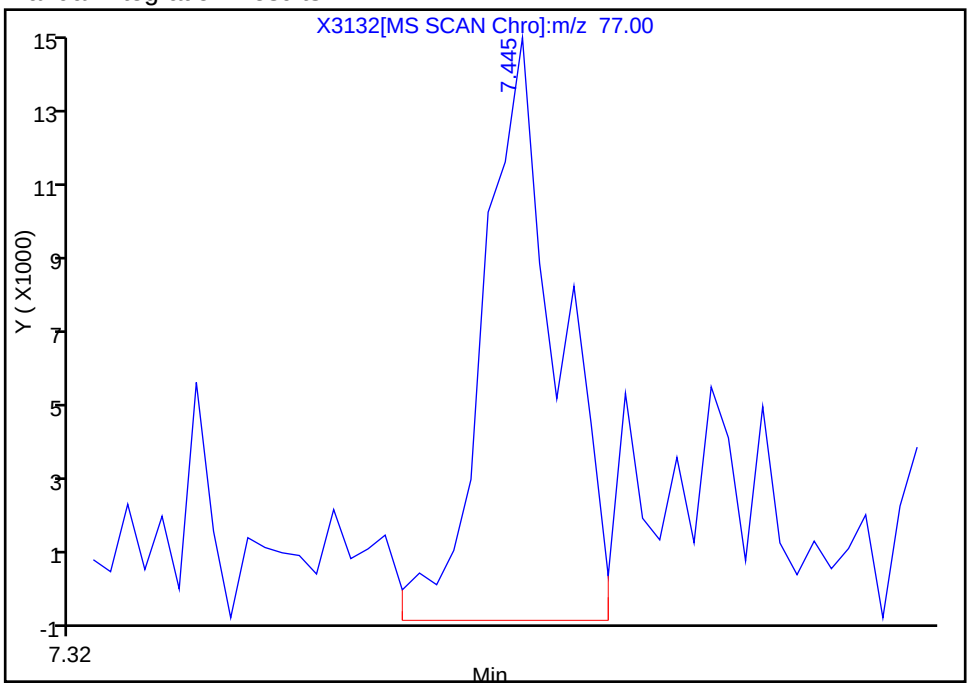
Processing Integration Results

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

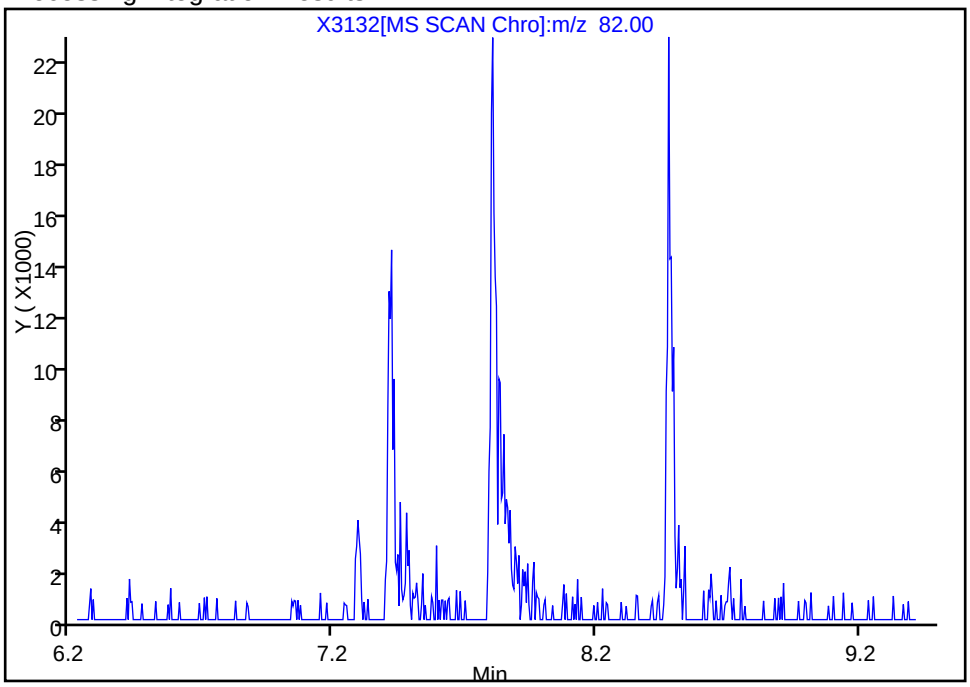
TestAmerica Buffalo

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

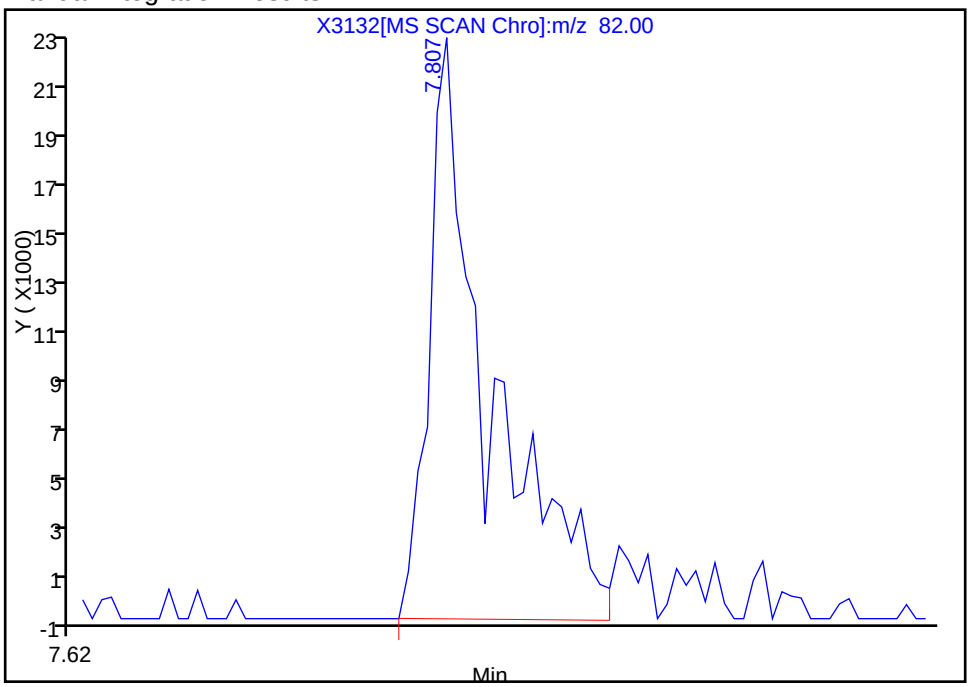
Processing Integration Results

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
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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

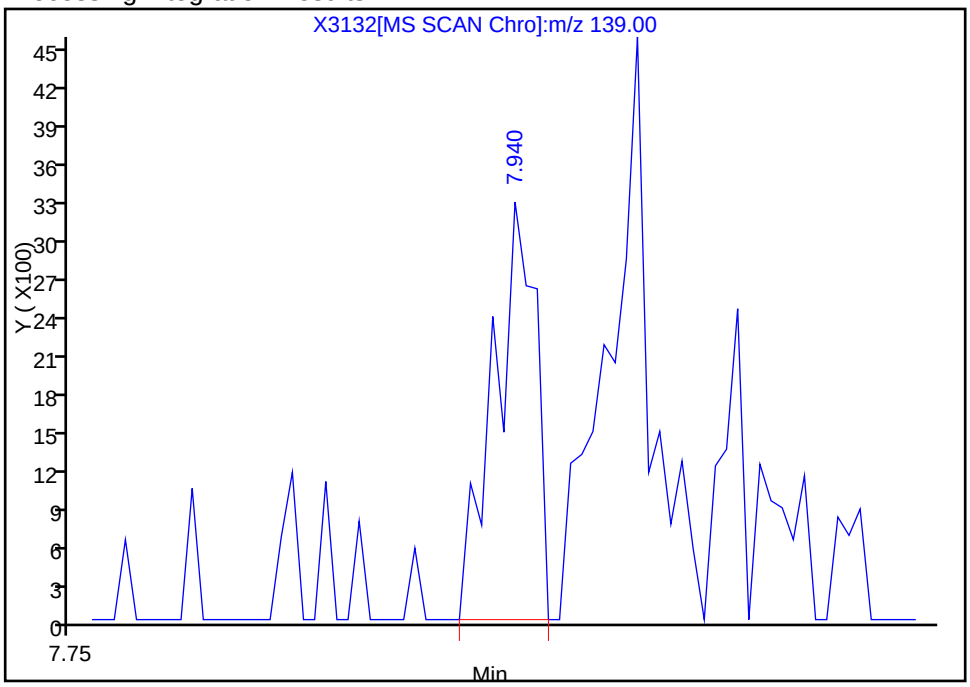
TestAmerica Buffalo

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

41 2-Nitrophenol, Signal: 1, m/z: 139.0 Type: quant, RT: 7.94

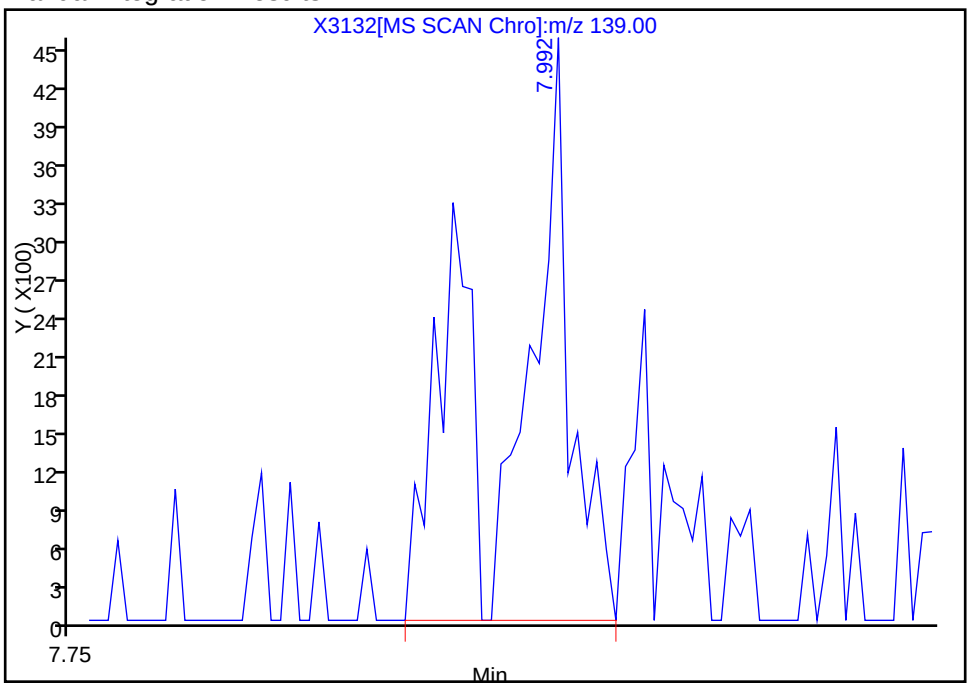
Processing Integration Results

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
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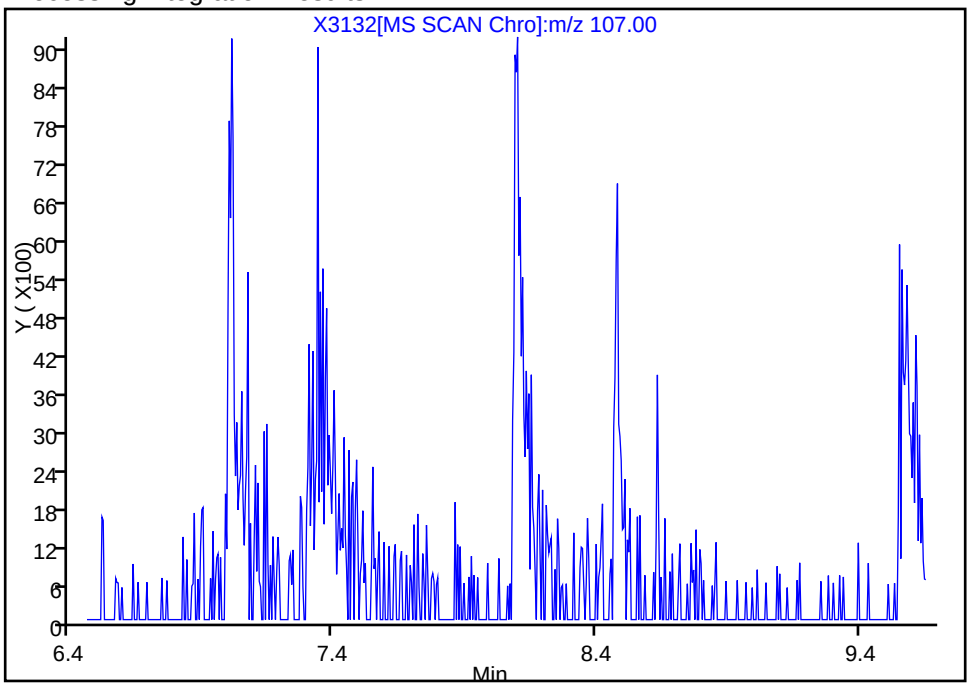
TestAmerica Buffalo

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

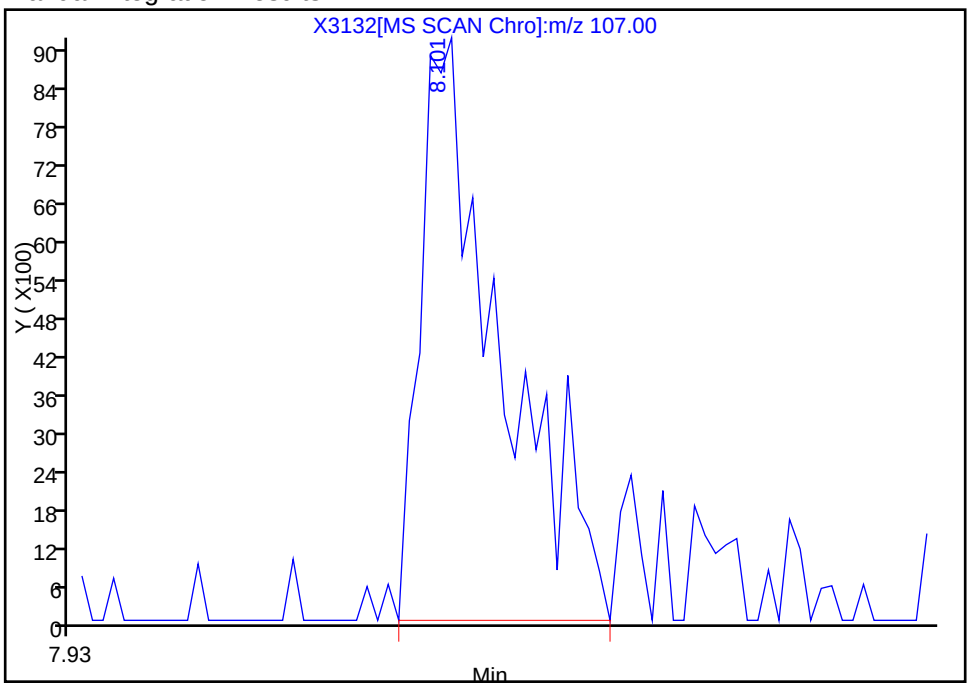
Processing Integration Results

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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Report Date: 18-Dec-2012 16:42:59 Chrom Revision: 2.0 22-Oct-2012 16:30:48

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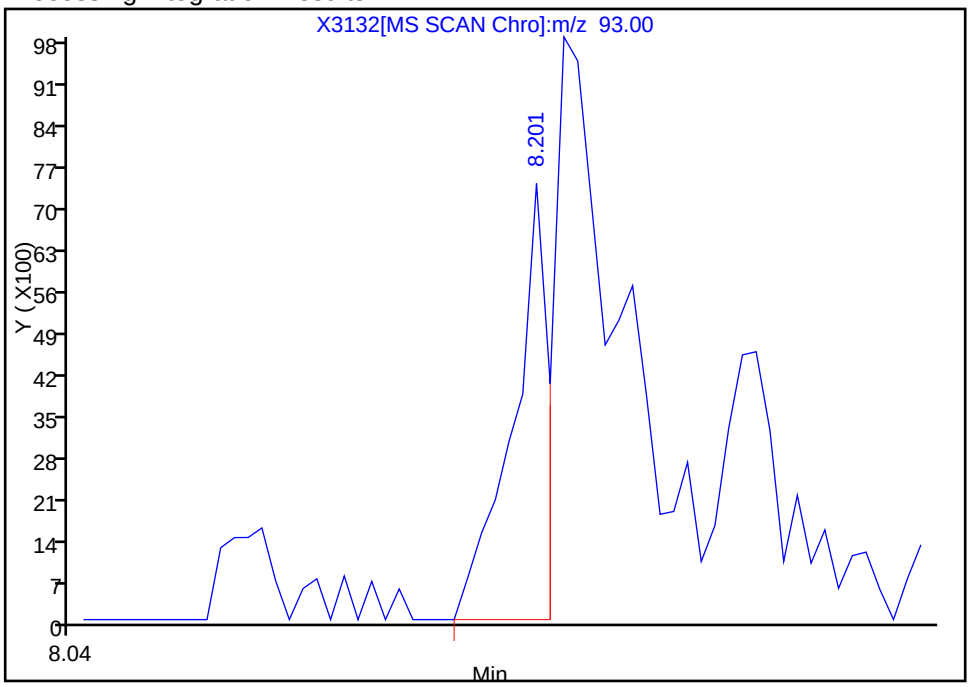
TestAmerica Buffalo

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

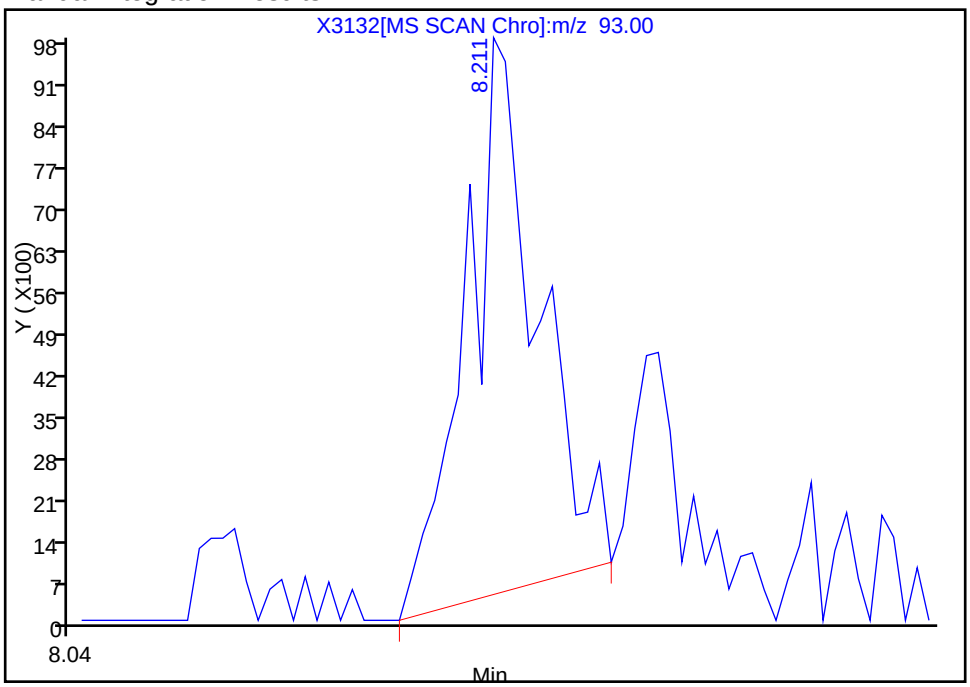
Processing Integration Results

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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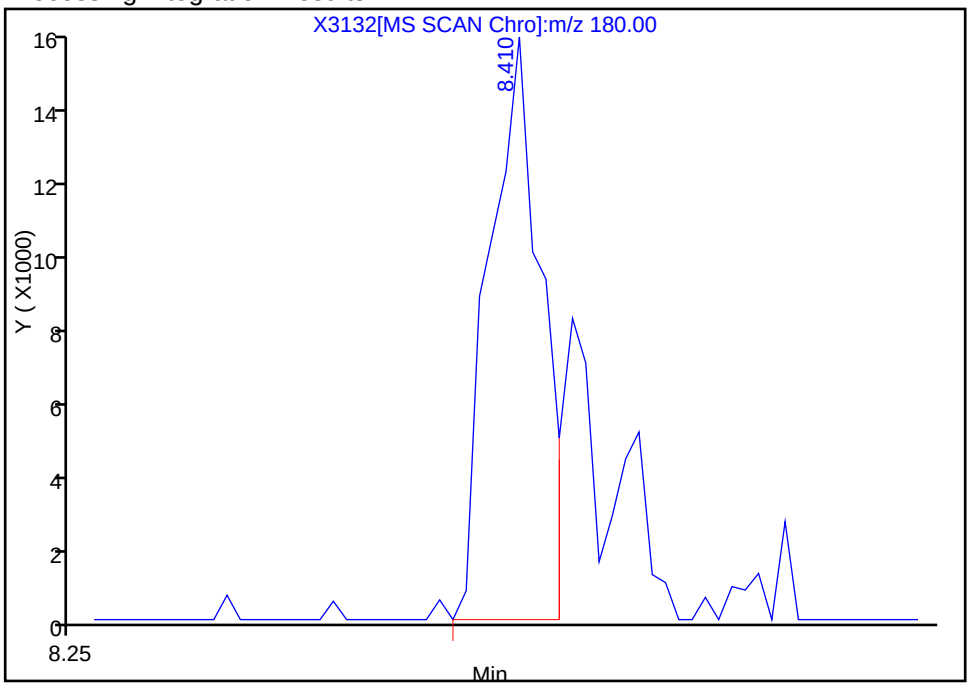
TestAmerica Buffalo

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

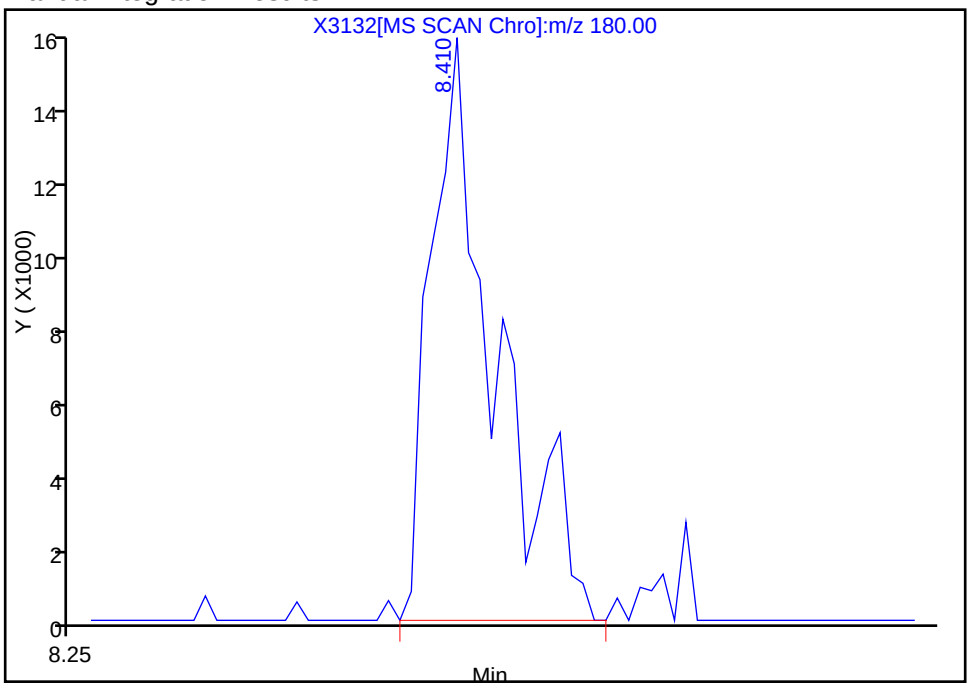
Processing Integration Results

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
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

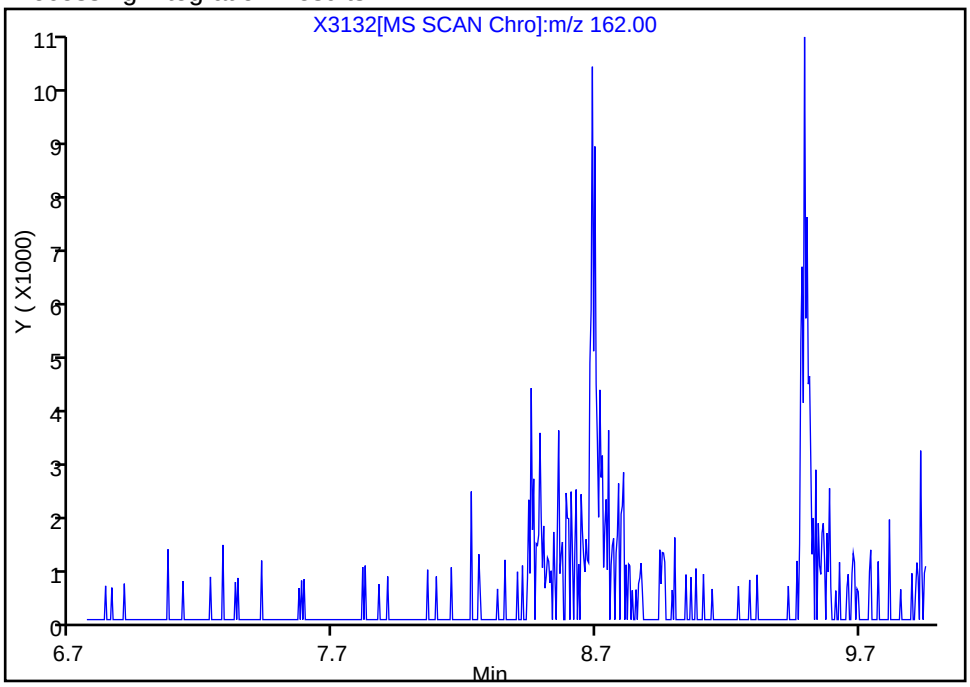
TestAmerica Buffalo

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

47 2,4-Dichlorophenol, Signal: 1, m/z: 162.0 Type: quant, RT: 8.36

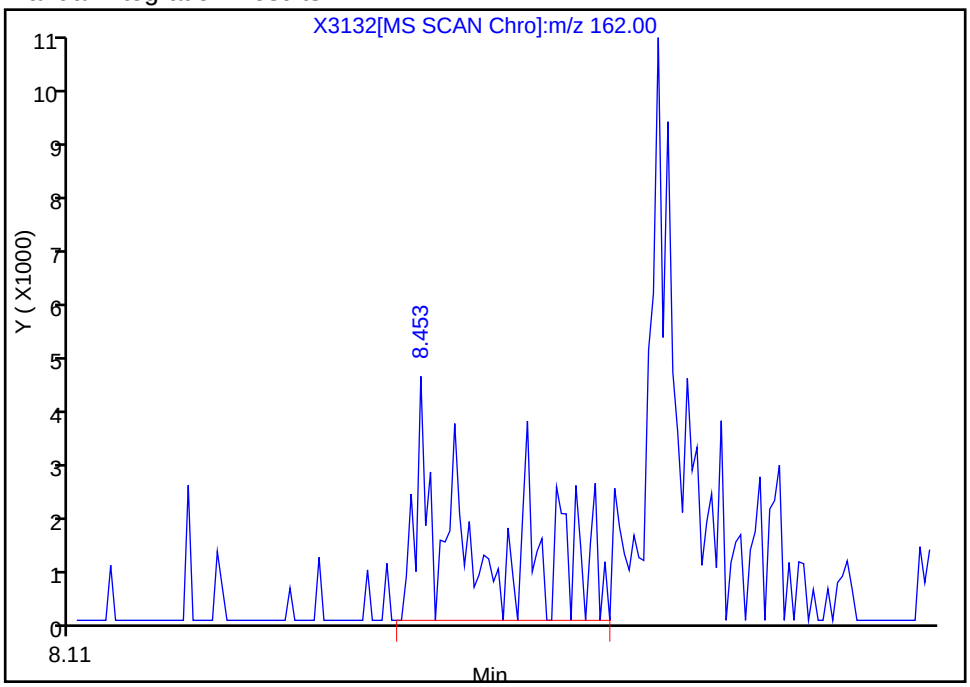
Processing Integration Results

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
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

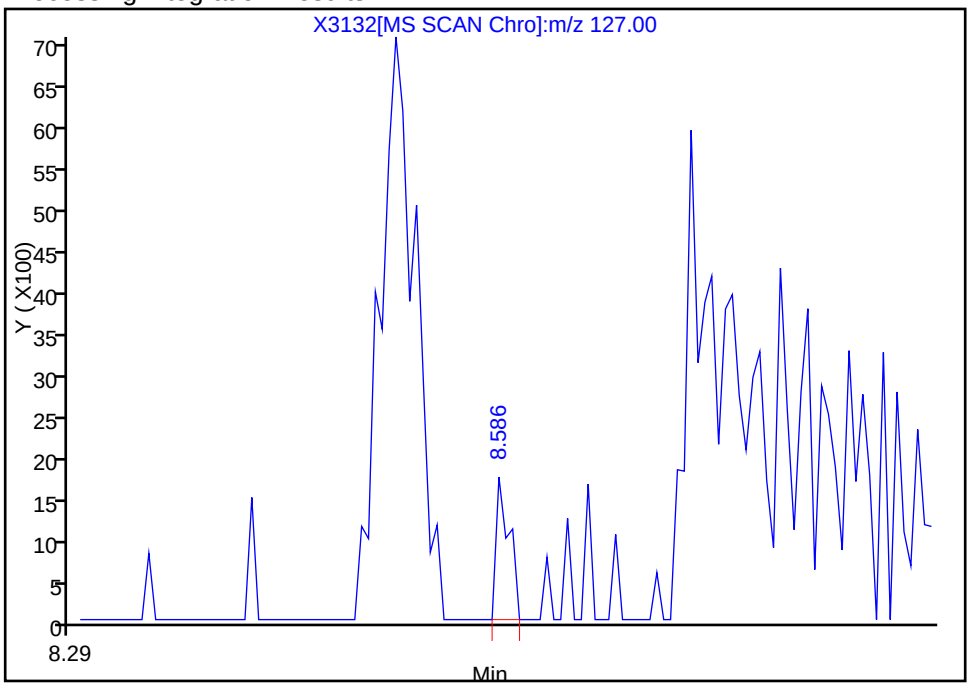
TestAmerica Buffalo

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

51 4-Chloroaniline, Signal: 1, m/z: 127.0 Type: quant, RT: 8.66

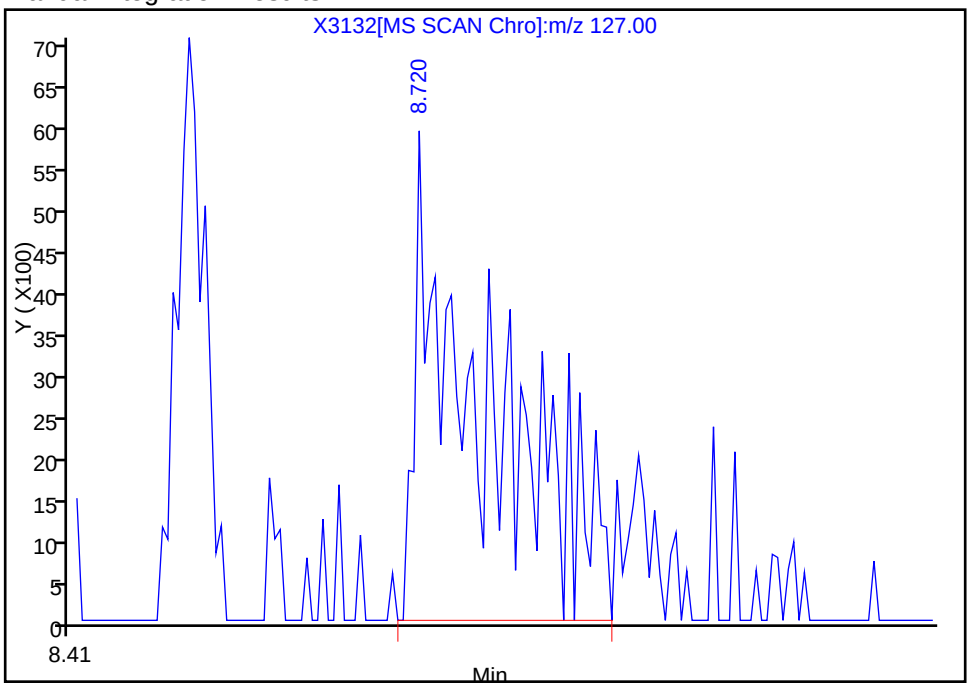
Processing Integration Results

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

Report Date: 18-Dec-2012 16:42:59 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

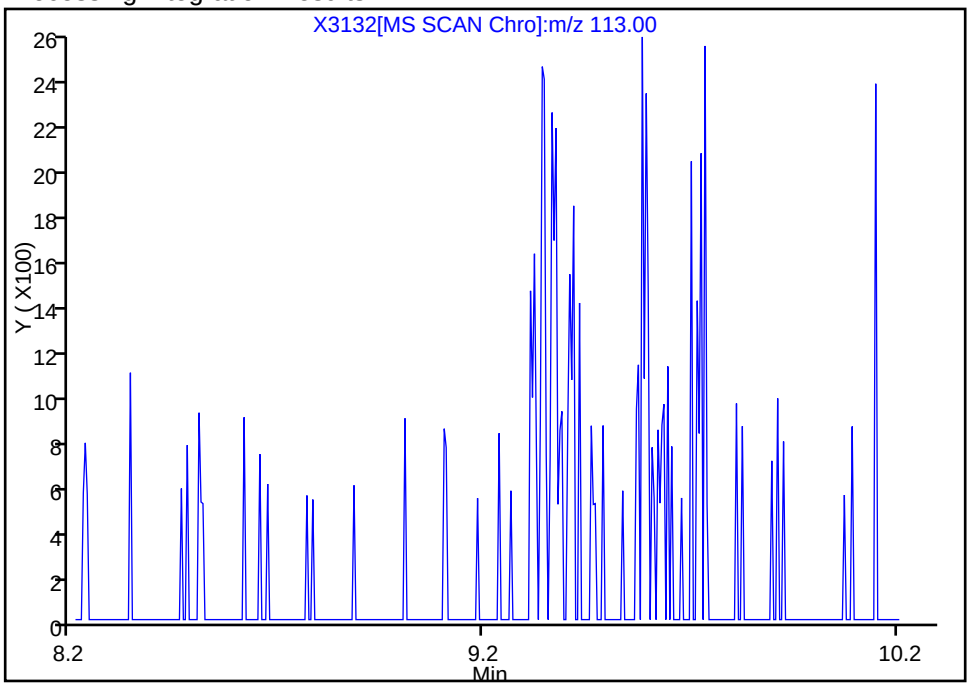
TestAmerica Buffalo

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

54 Caprolactam, Signal: 1, m/z: 113.0 Type: quant, RT: 9.21

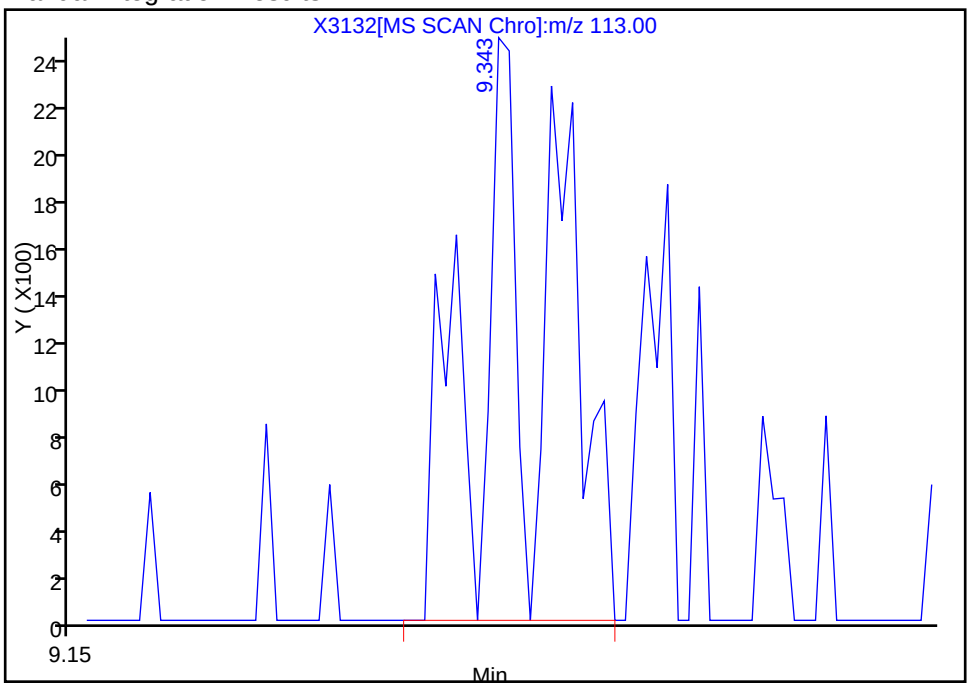
Processing Integration Results

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

Manual Integration/User Assign Peak Report

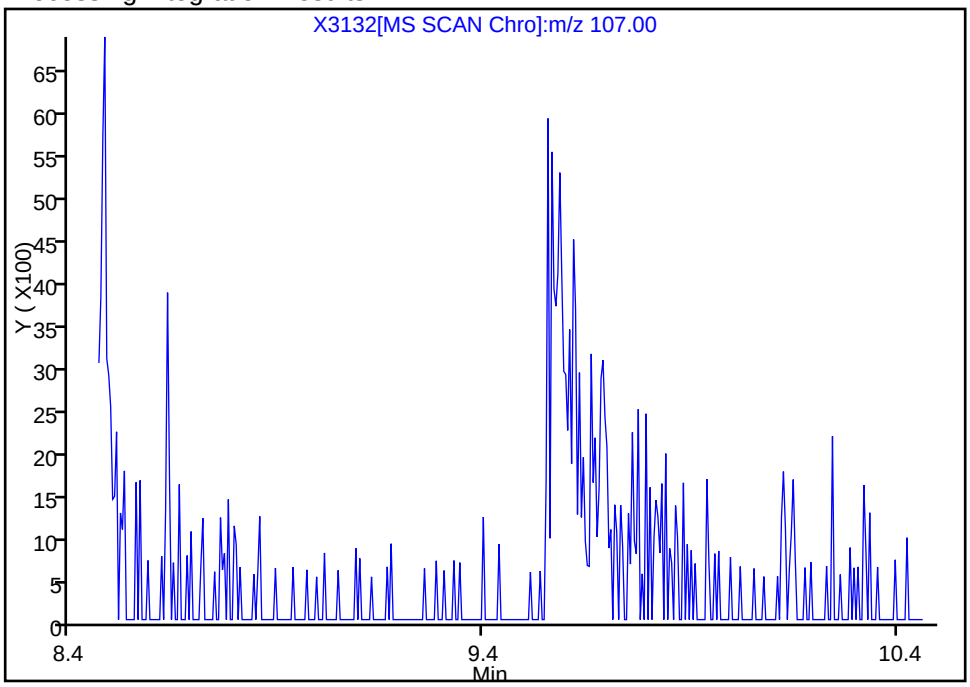
TestAmerica Buffalo

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

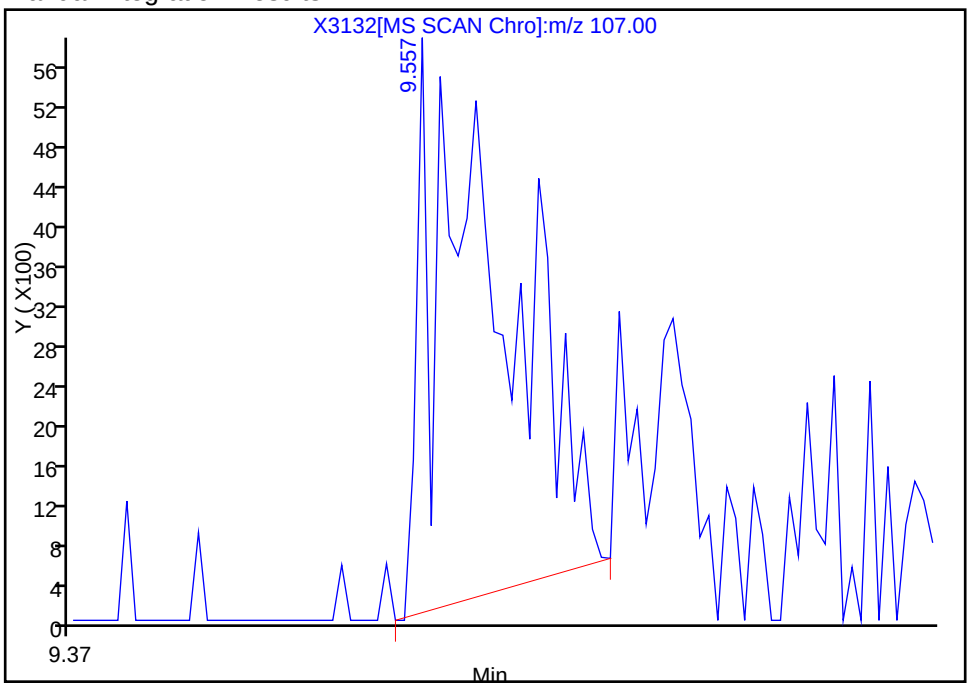
Processing Integration Results

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
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

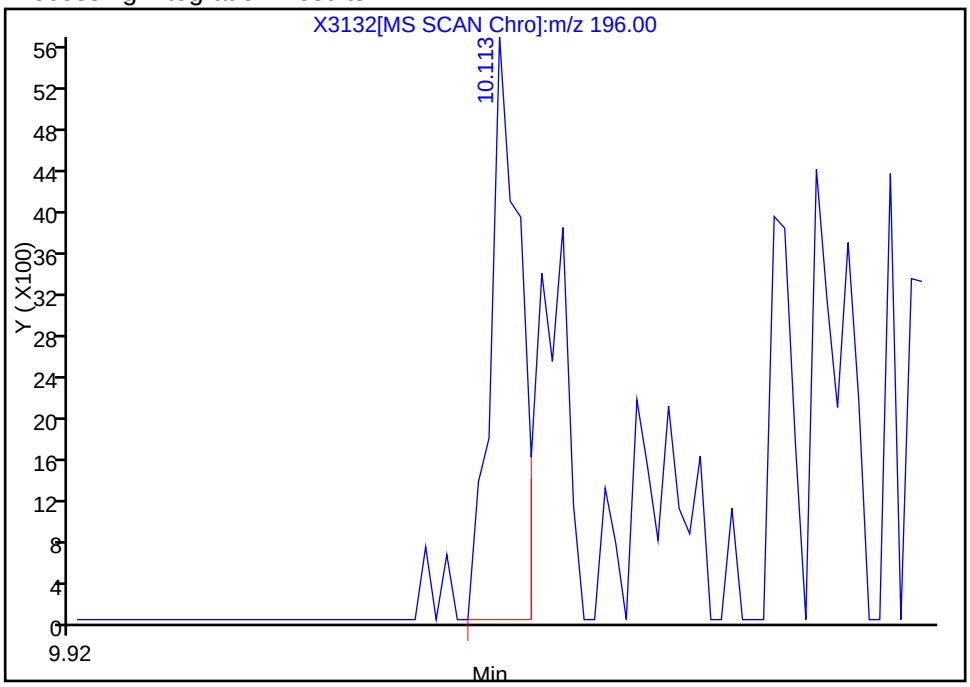
TestAmerica Buffalo

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

60 2,4,6-Trichlorophenol, Signal: 1, m/z: 196.0 Type: quant, RT: 10.04

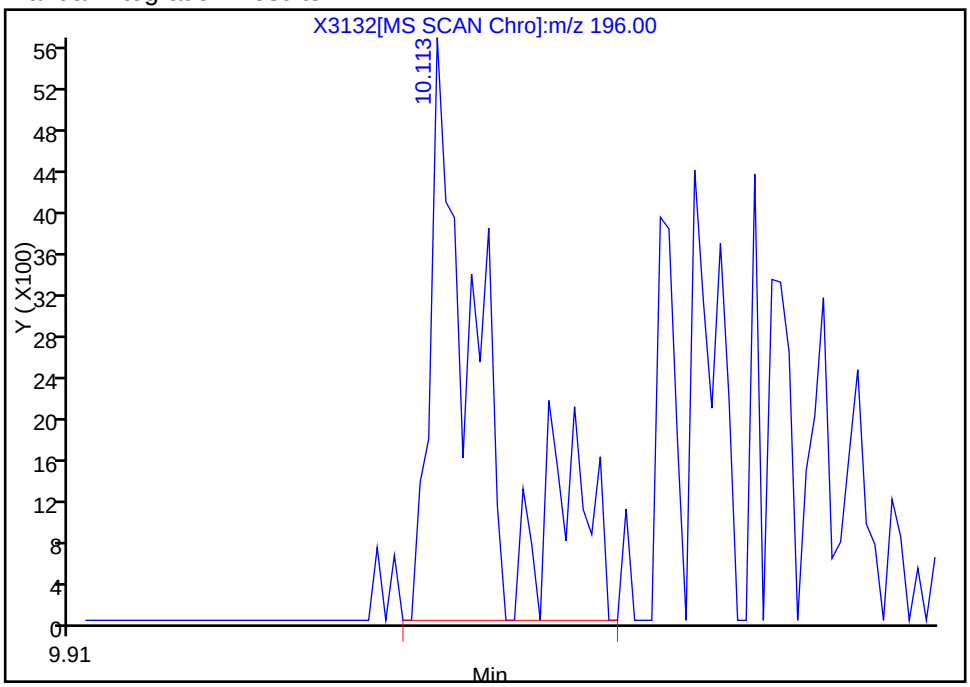
Processing Integration Results

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

Report Date: 18-Dec-2012 16:42:59 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

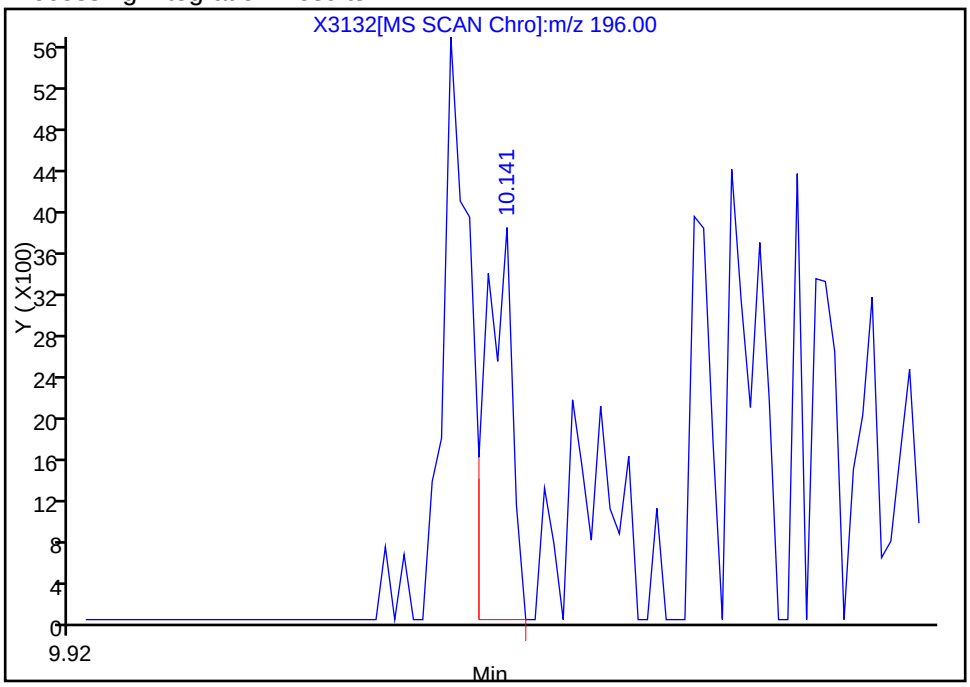
TestAmerica Buffalo

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

61 2,4,5-Trichlorophenol, Signal: 1, m/z: 196.0 Type: quant, RT: 10.15

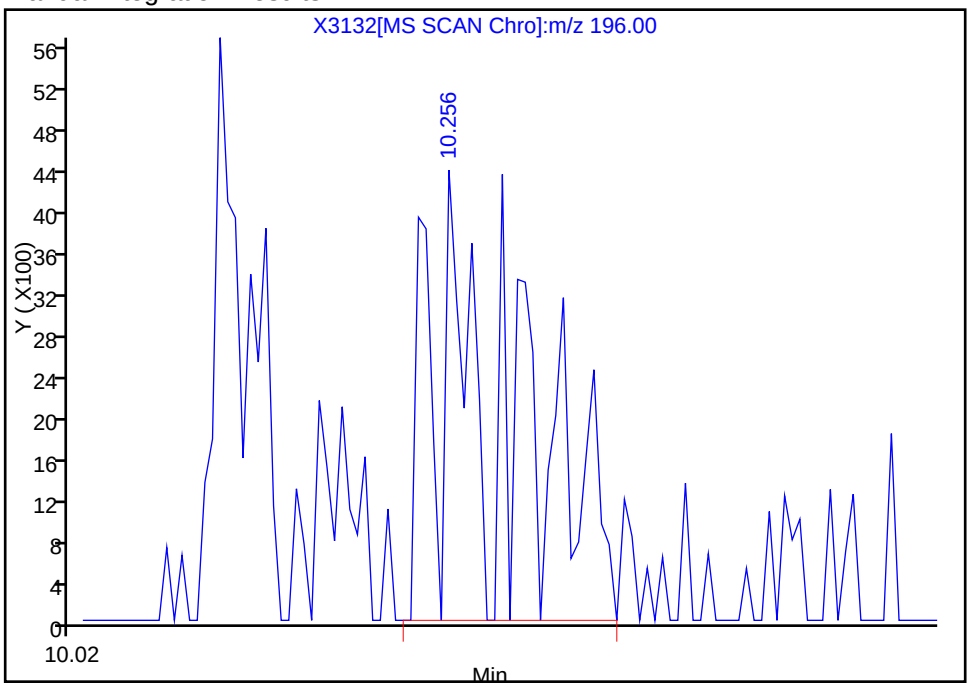
Processing Integration Results

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
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

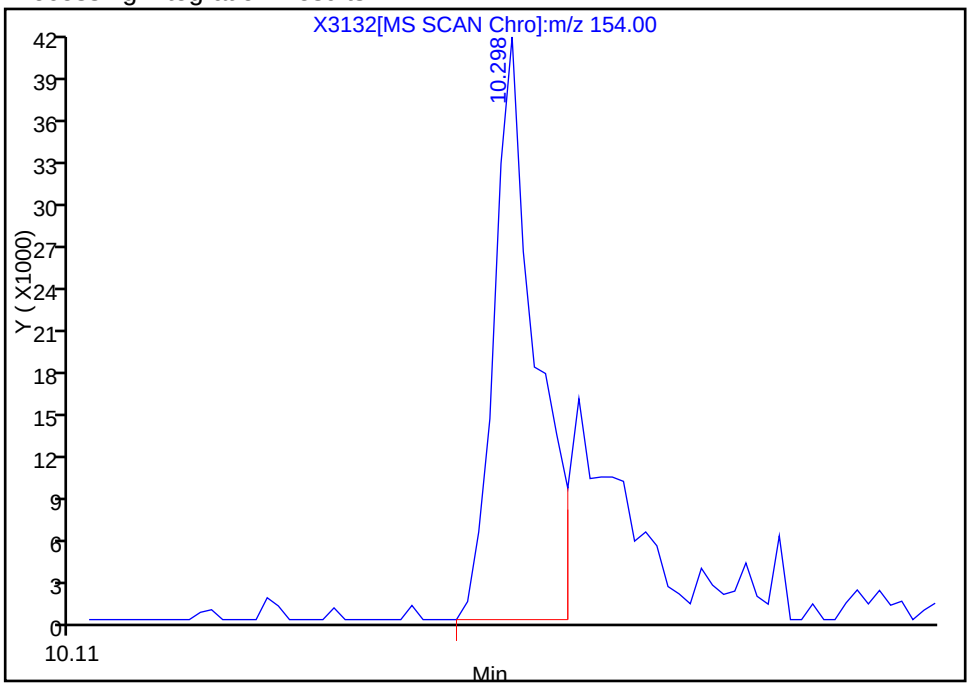
TestAmerica Buffalo

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

62 1,1'-Biphenyl, Signal: 1, m/z: 154.0 Type: quant, RT: 10.27

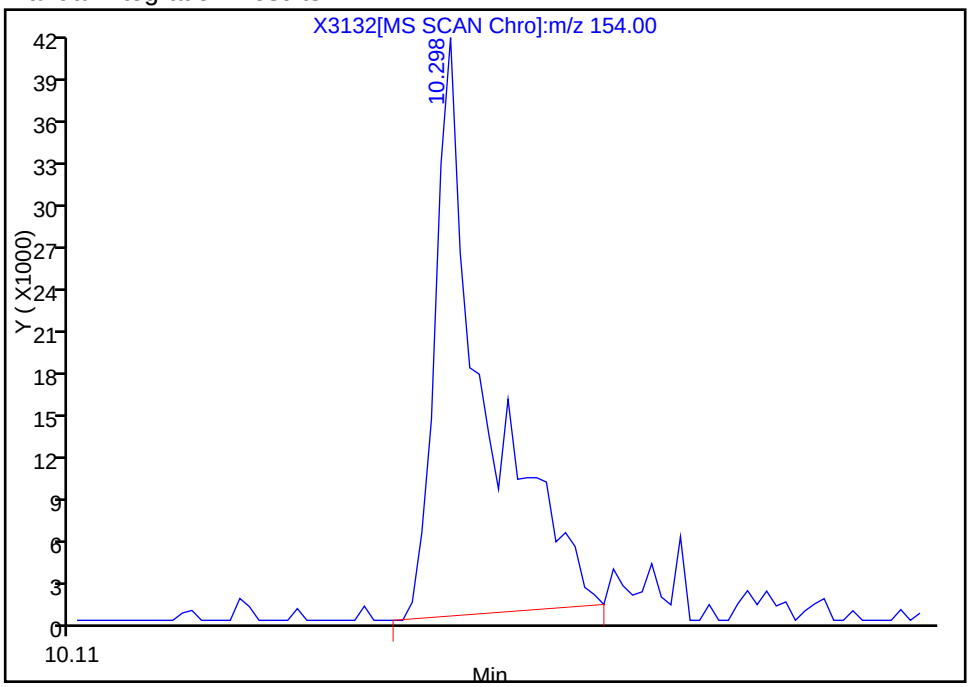
Processing Integration Results

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
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

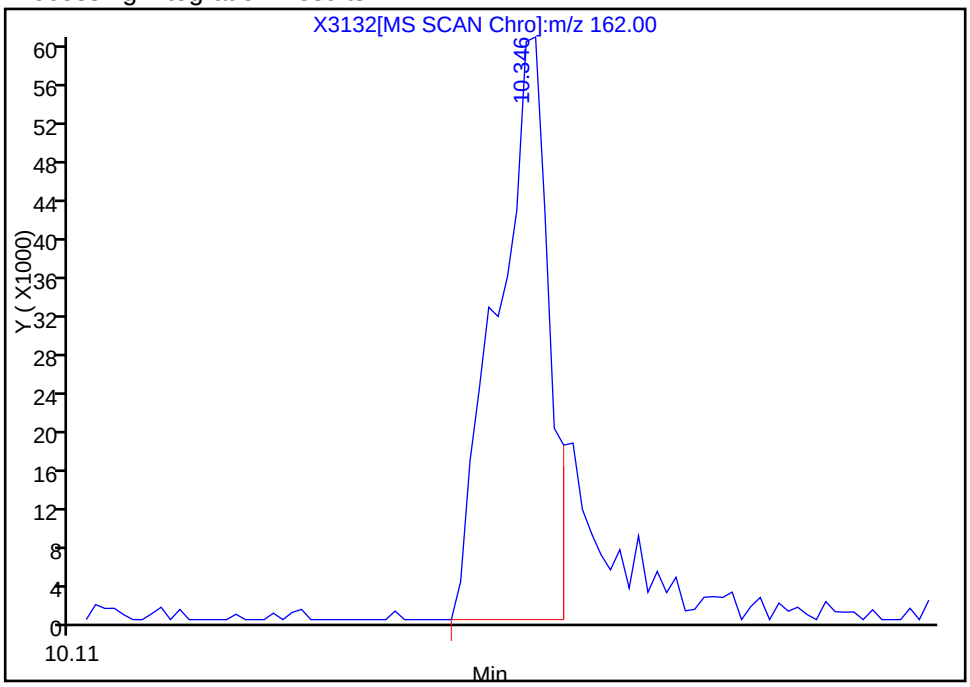
TestAmerica Buffalo

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

63 2-Chloronaphthalene, Signal: 1, m/z: 162.0 Type: quant, RT: 10.32

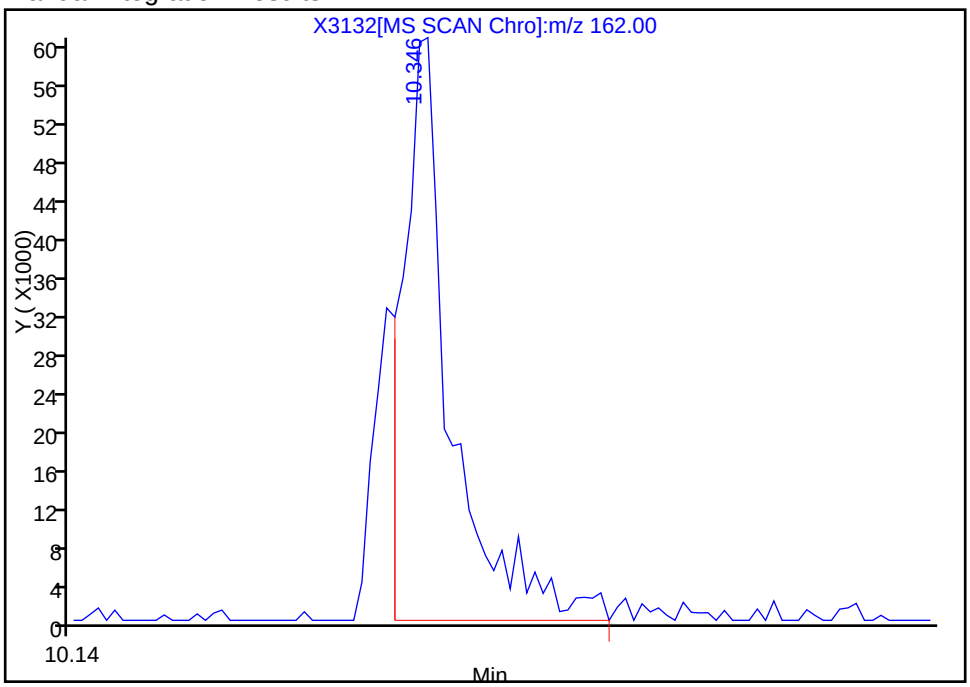
Processing Integration Results

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

Manual Integration/User Assign Peak Report

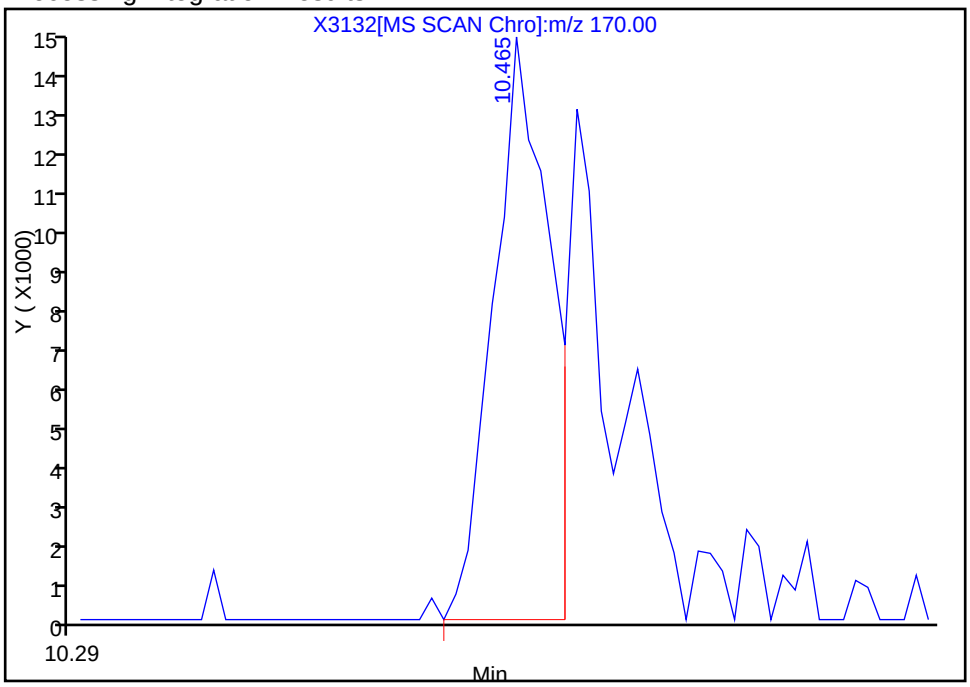
TestAmerica Buffalo

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

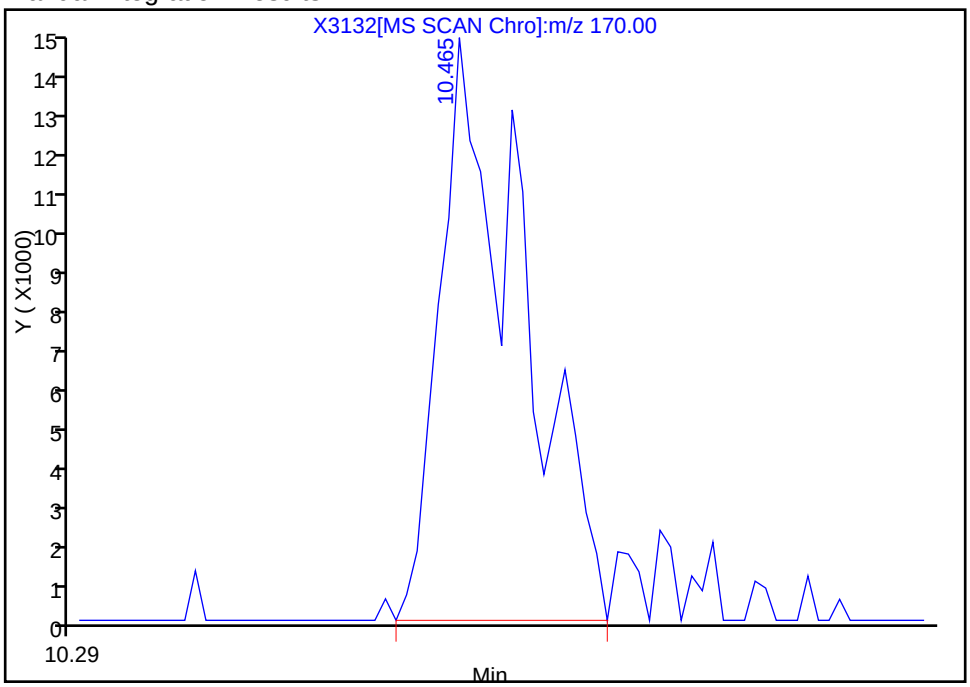
Processing Integration Results

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

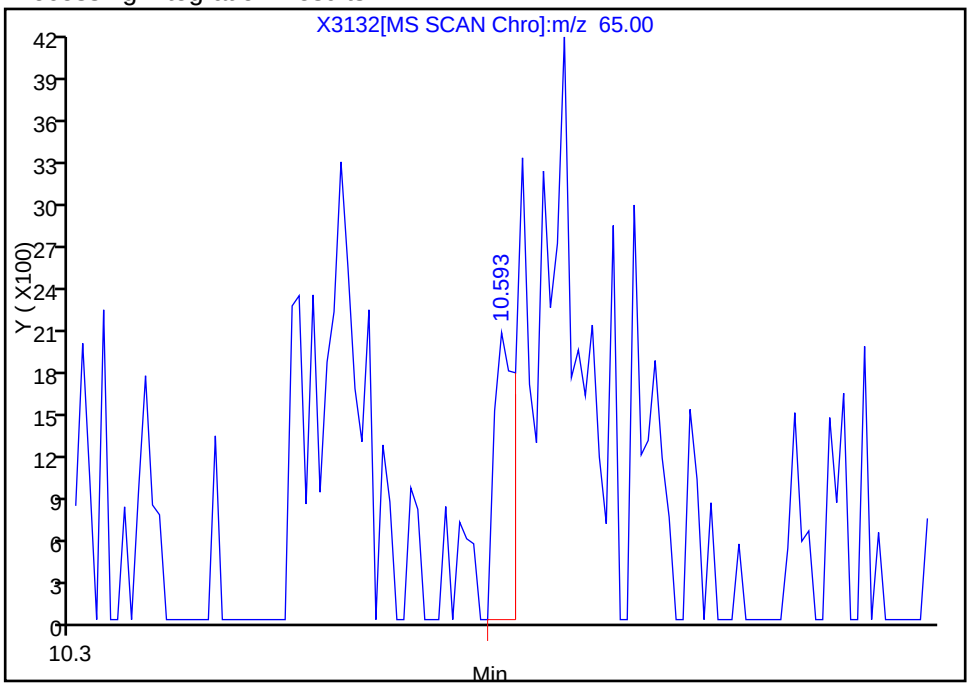
TestAmerica Buffalo

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

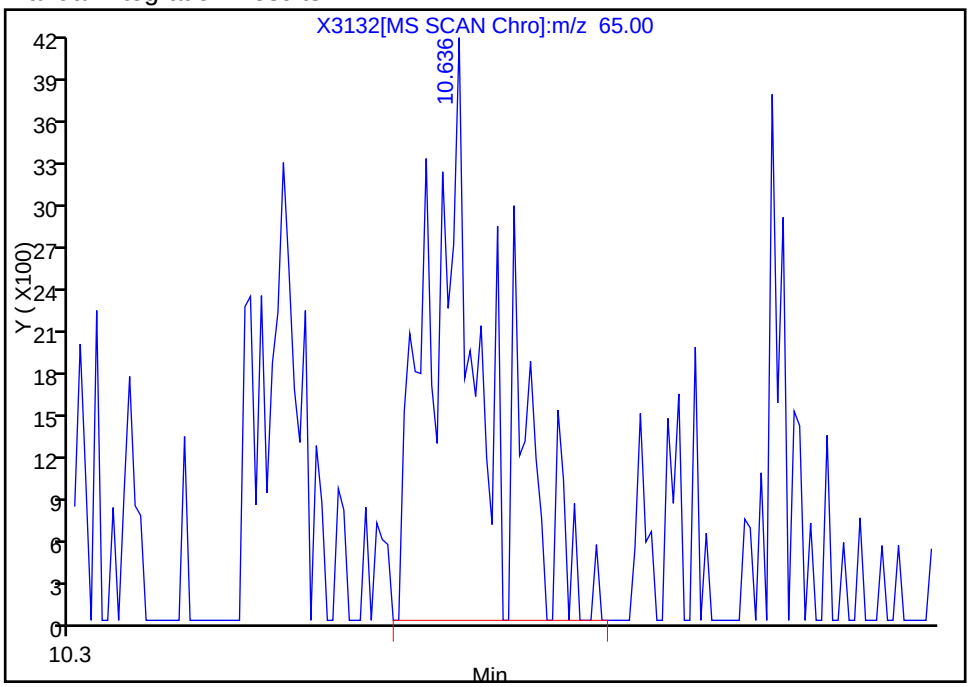
Processing Integration Results

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

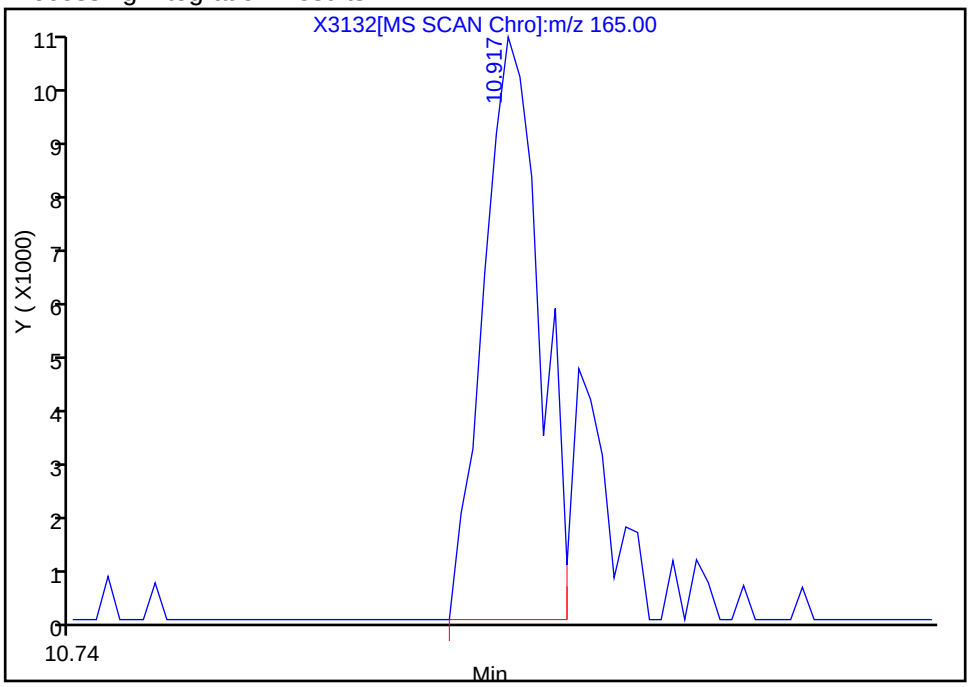
TestAmerica Buffalo

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

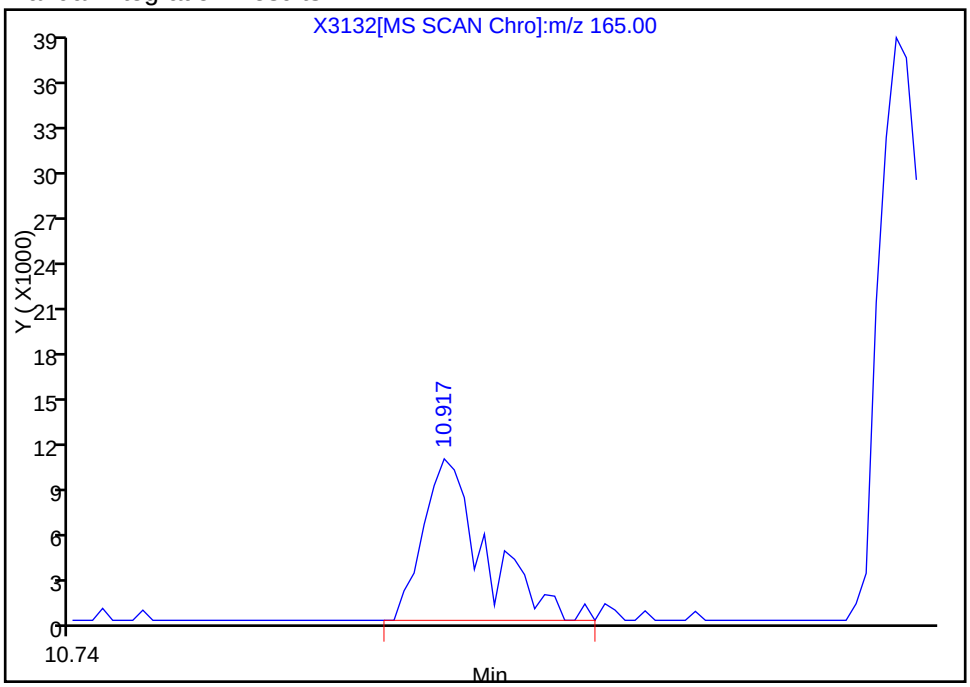
Processing Integration Results

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

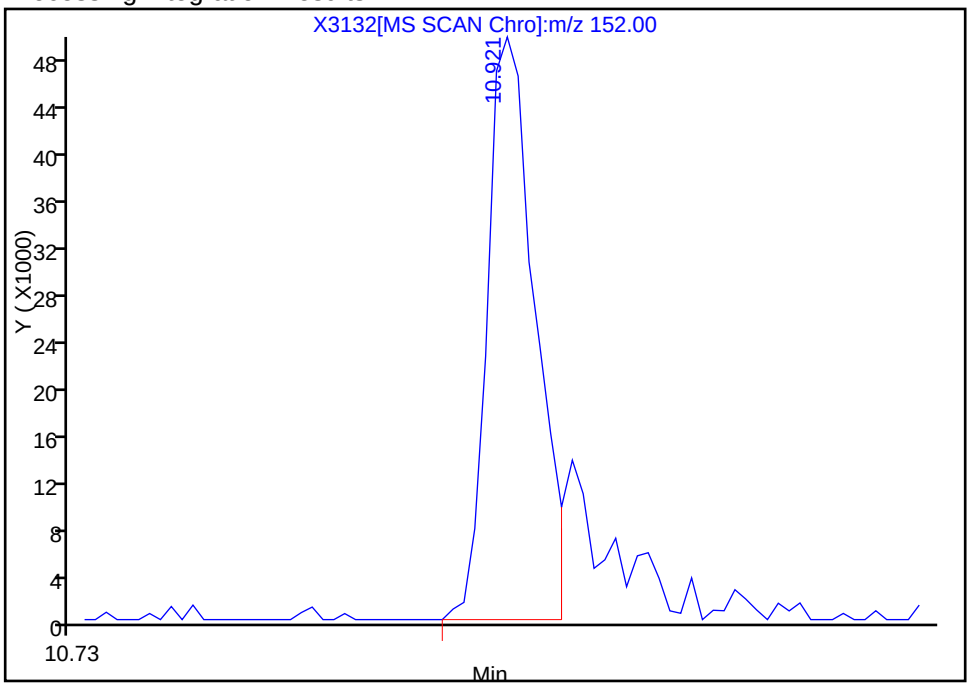
TestAmerica Buffalo

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

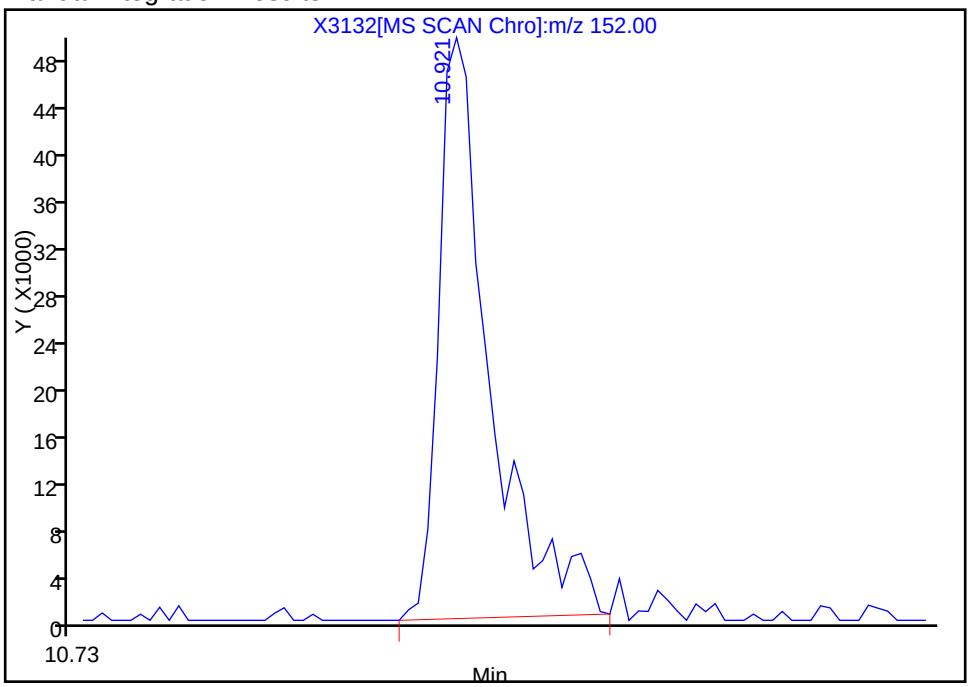
Processing Integration Results

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

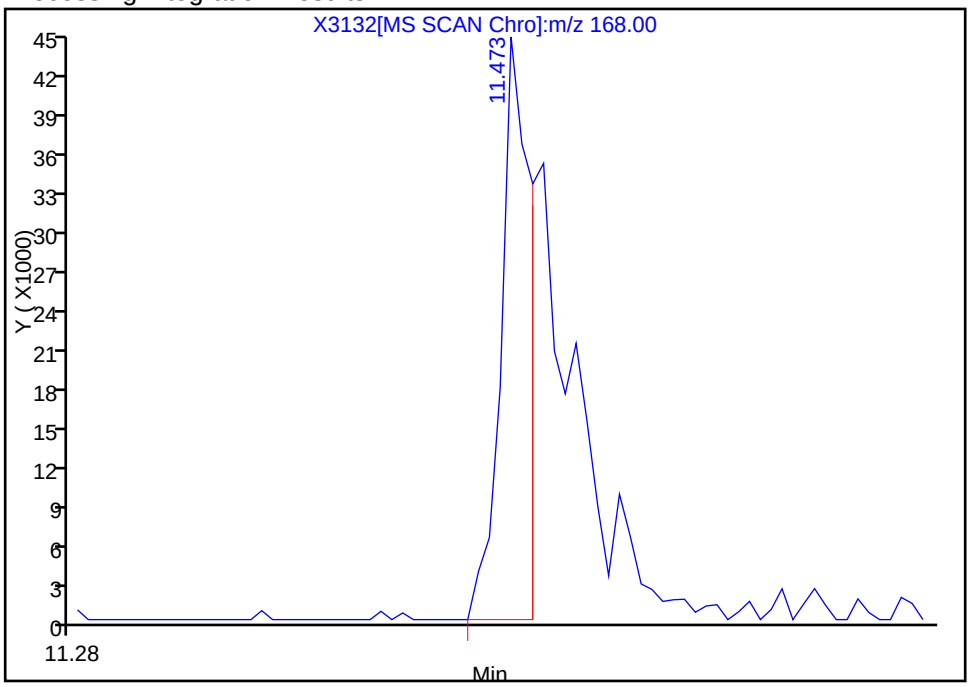
TestAmerica Buffalo

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

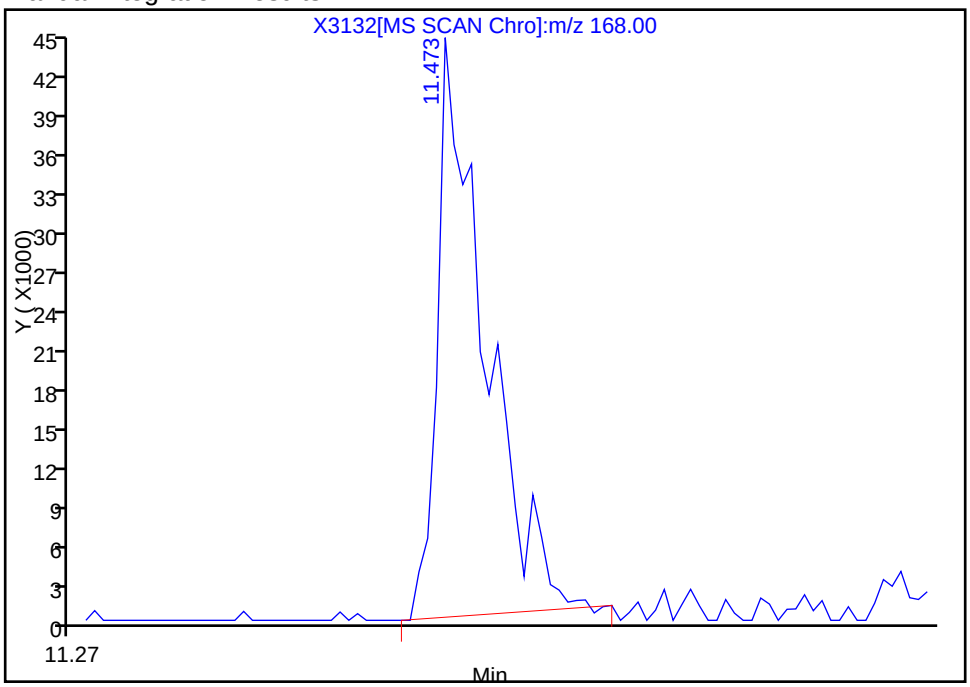
Processing Integration Results

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

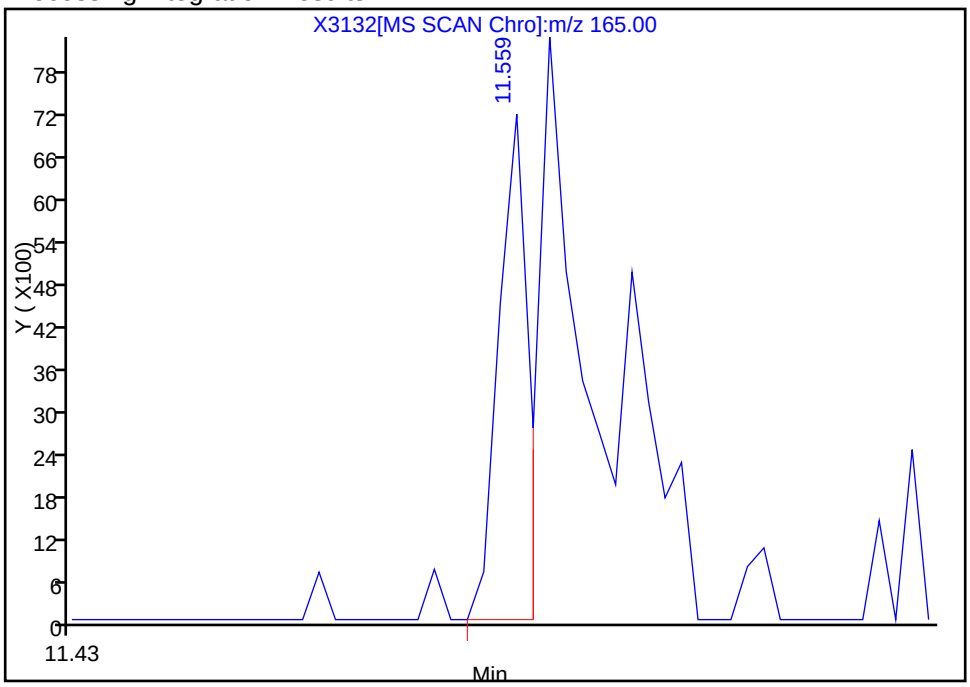
TestAmerica Buffalo

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

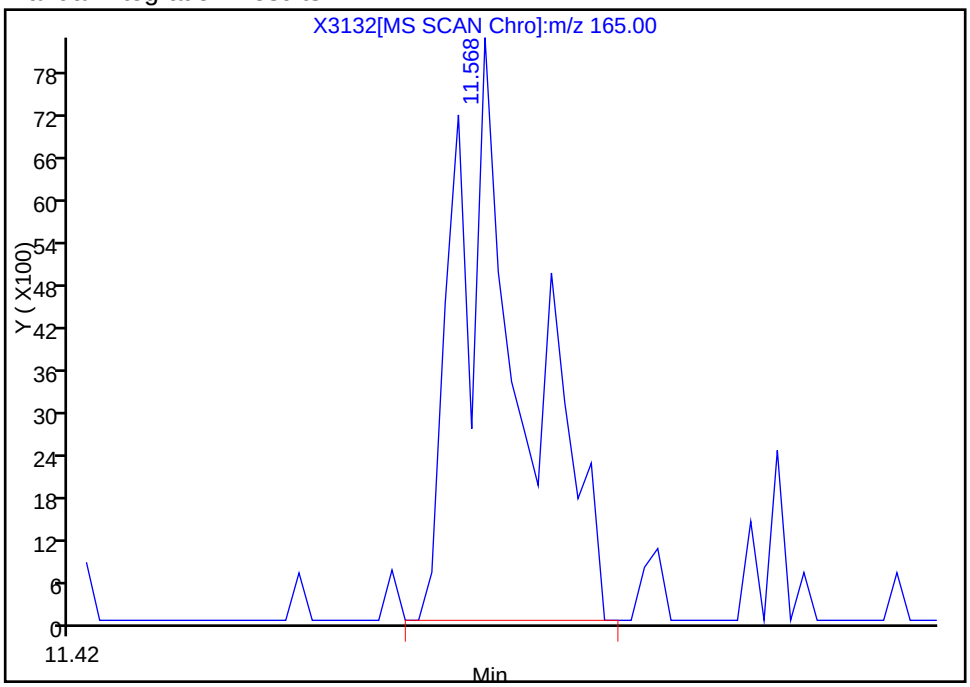
Processing Integration Results

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

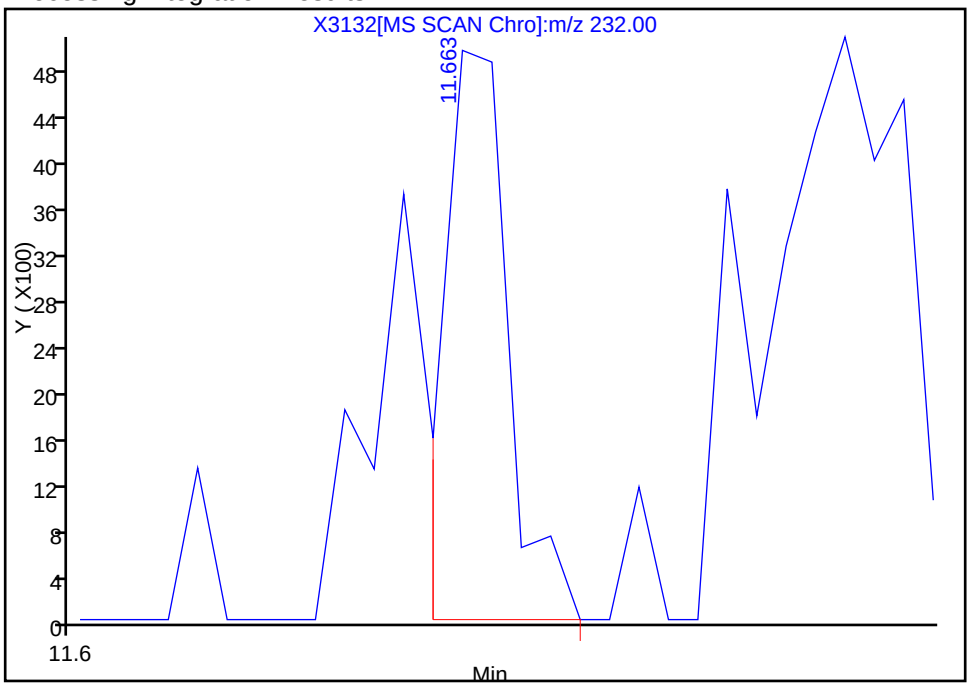
TestAmerica Buffalo

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

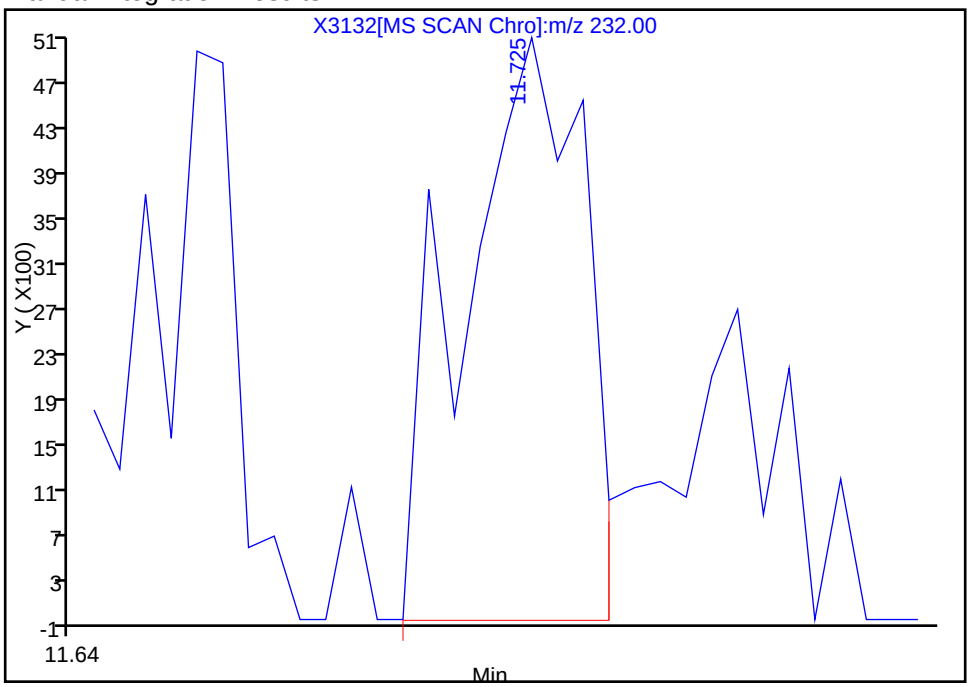
Processing Integration Results

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

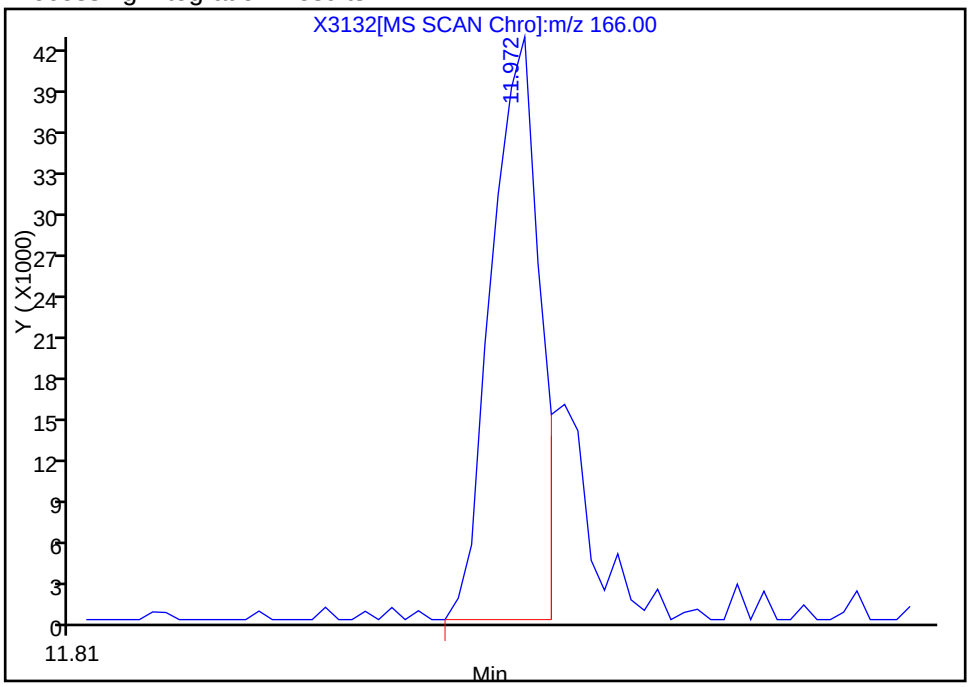
TestAmerica Buffalo

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

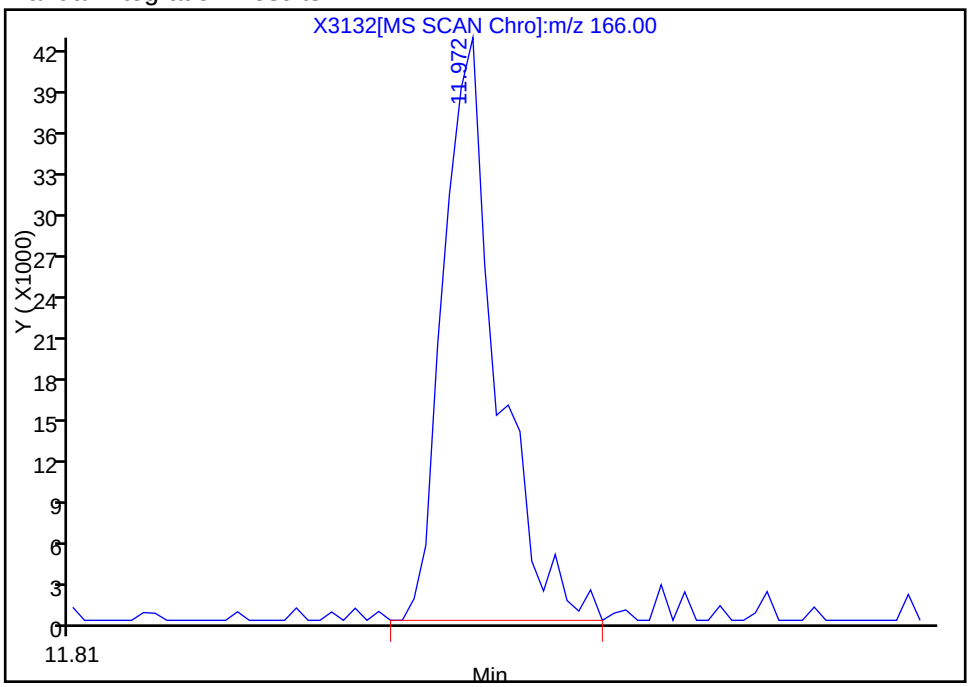
Processing Integration Results

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

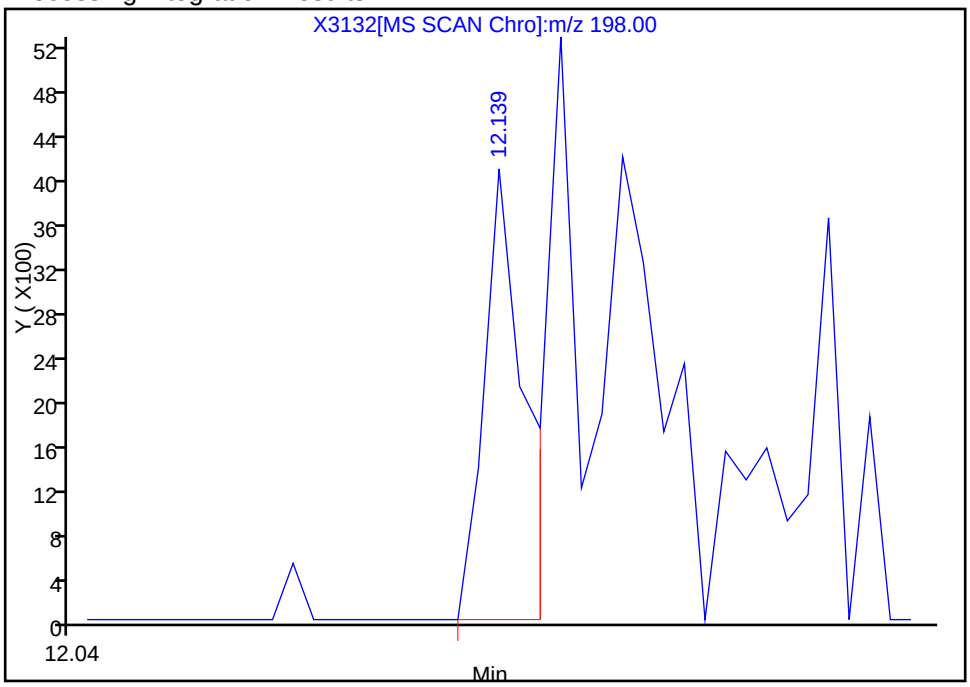
TestAmerica Buffalo

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

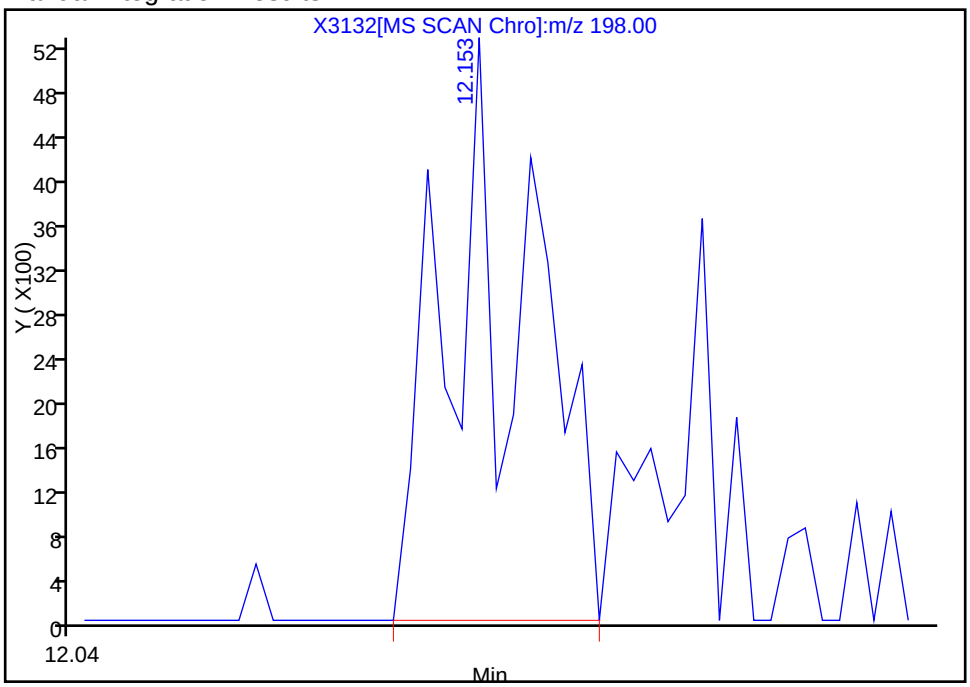
Processing Integration Results

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

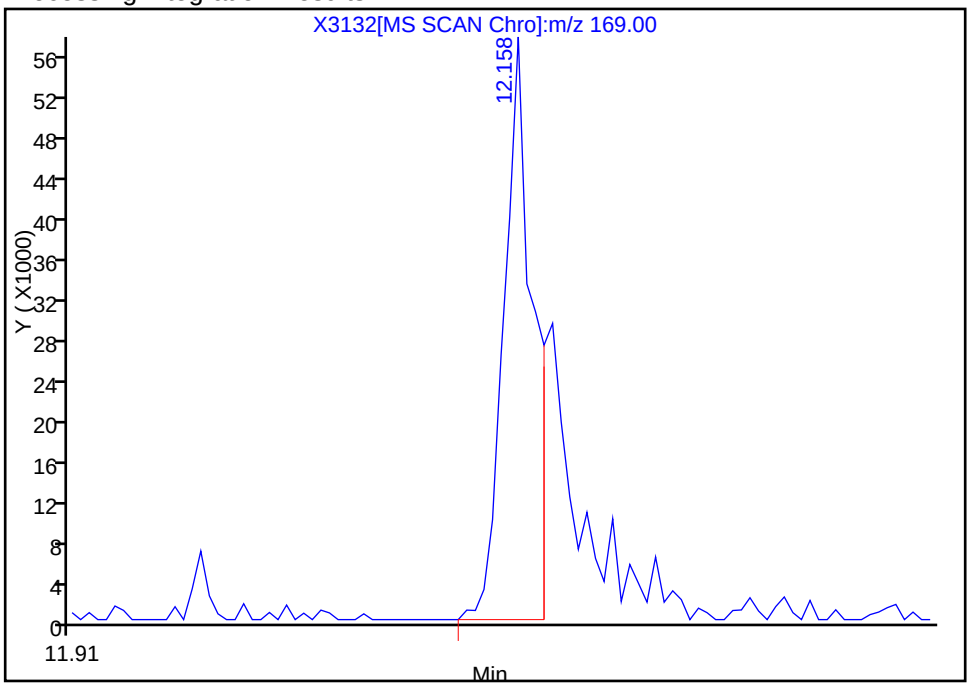
TestAmerica Buffalo

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

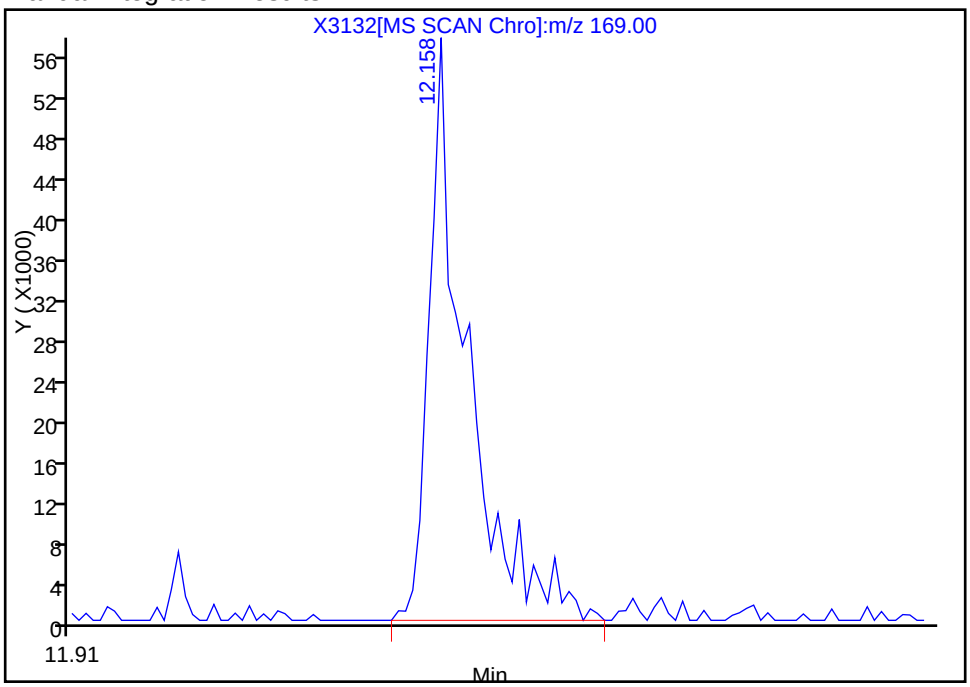
Processing Integration Results

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

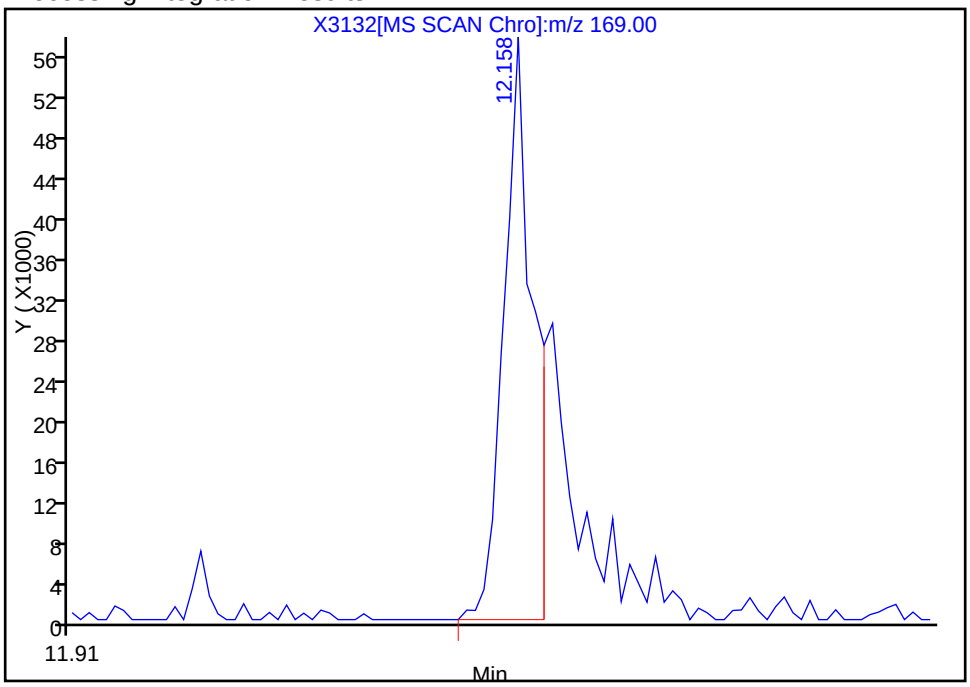
TestAmerica Buffalo

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

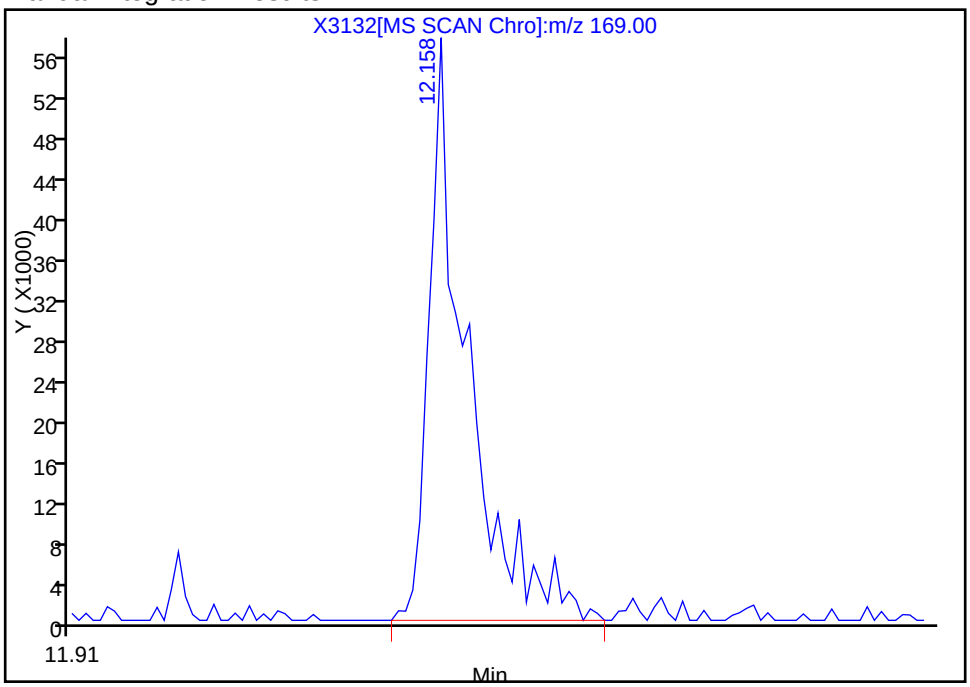
Processing Integration Results

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

Manual Integration/User Assign Peak Report

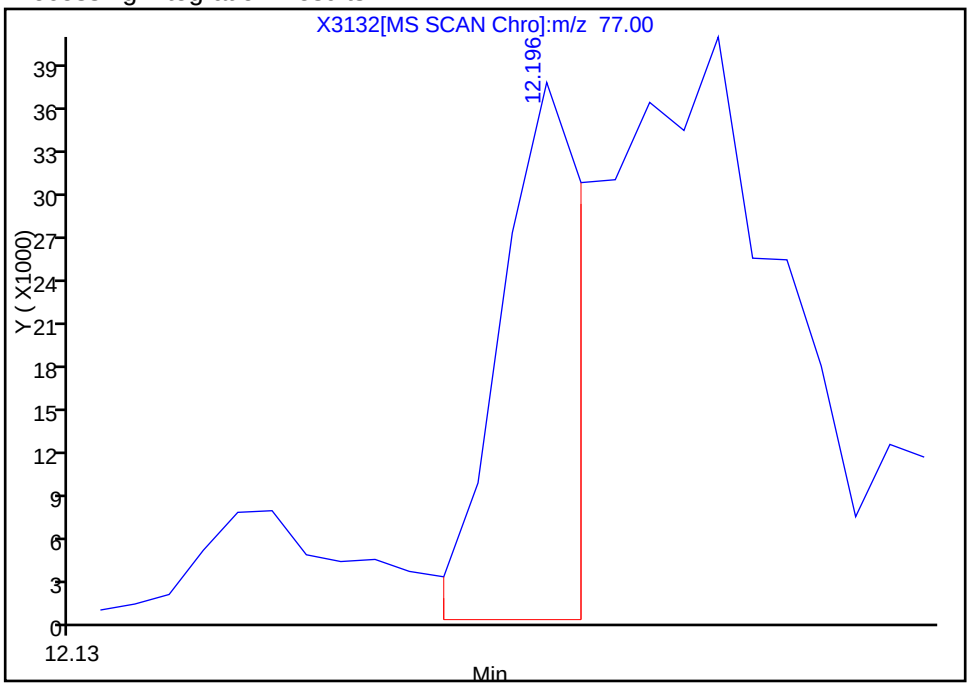
TestAmerica Buffalo

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

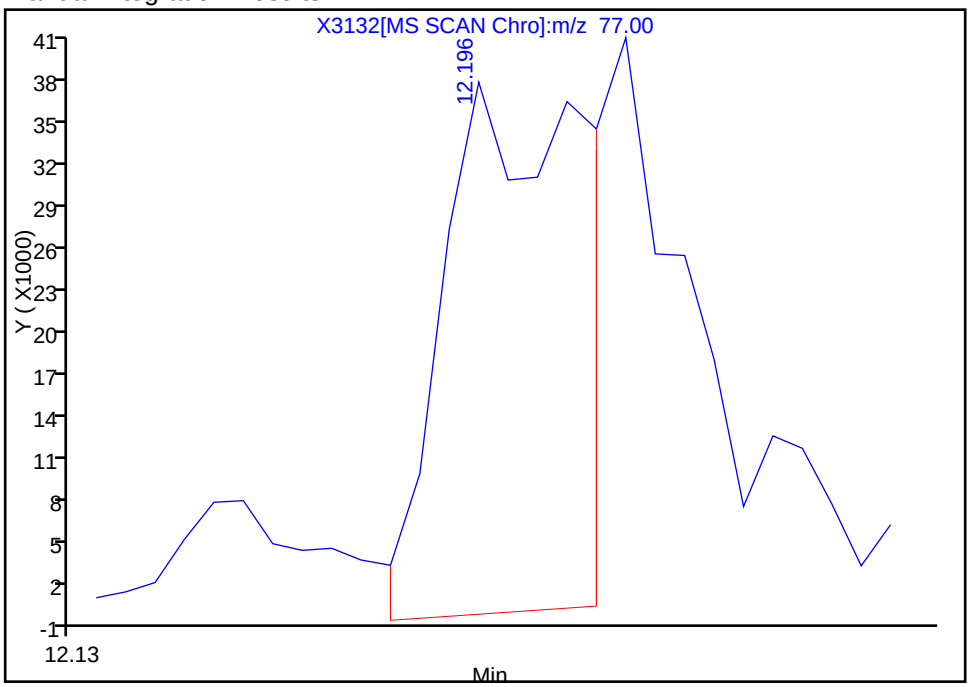
Processing Integration Results

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

Manual Integration/User Assign Peak Report

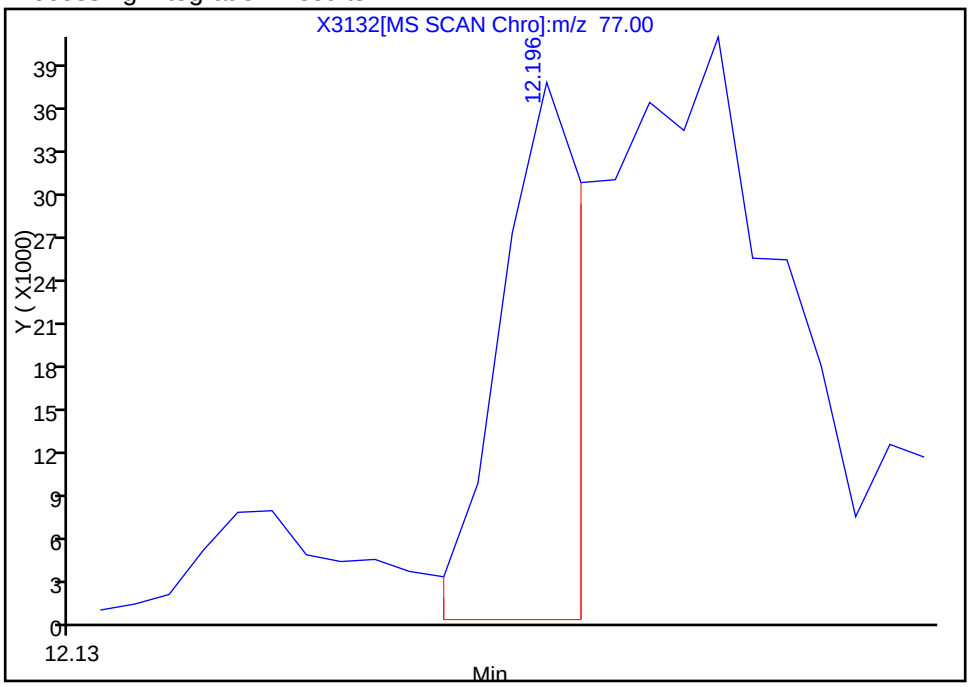
TestAmerica Buffalo

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

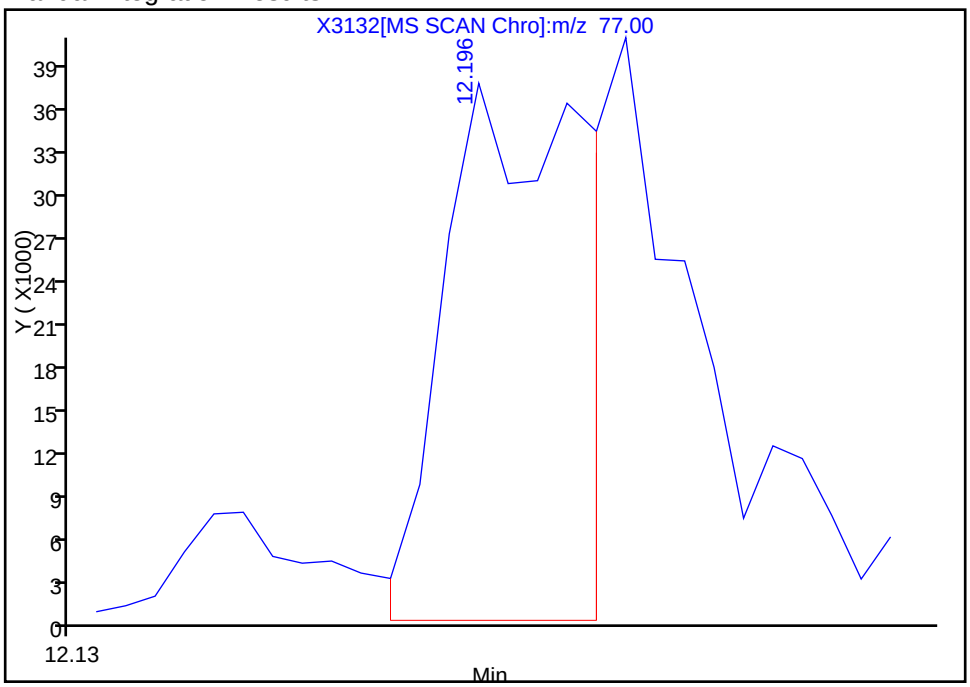
Processing Integration Results

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

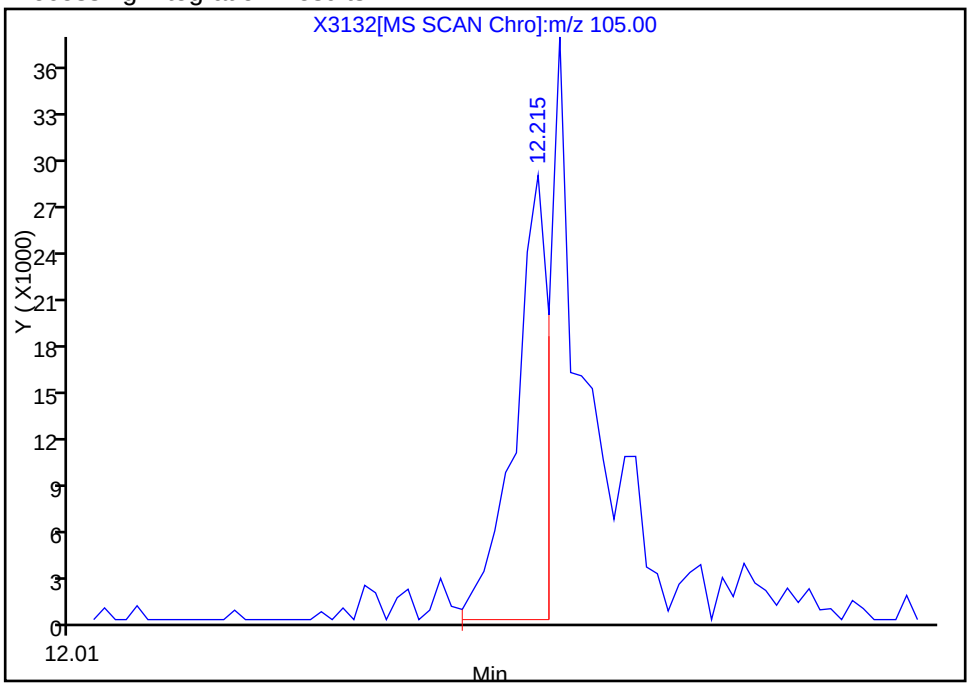
TestAmerica Buffalo

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

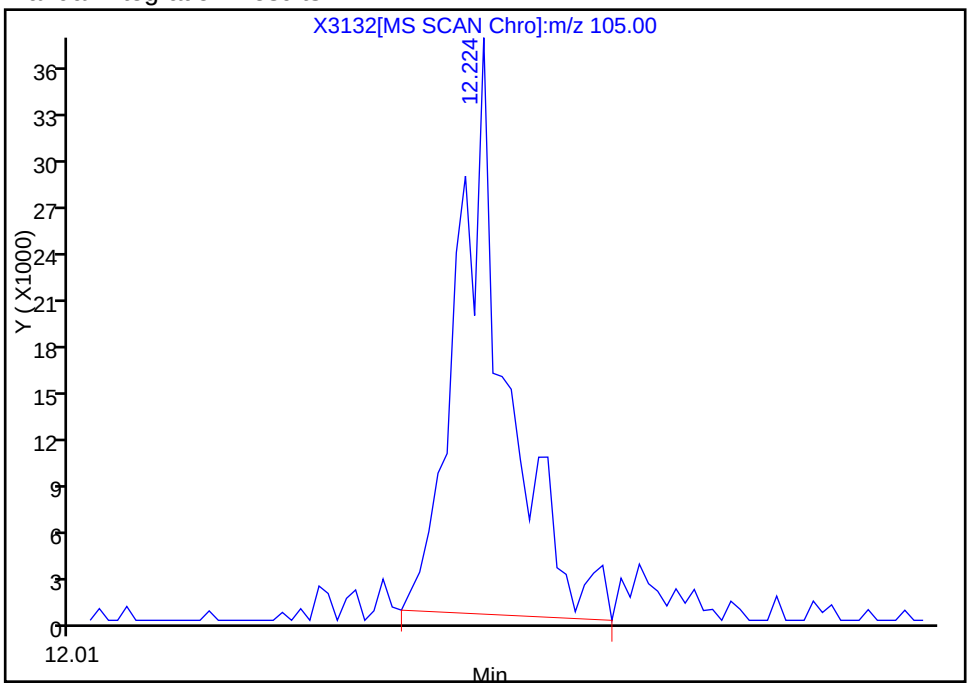
Processing Integration Results

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

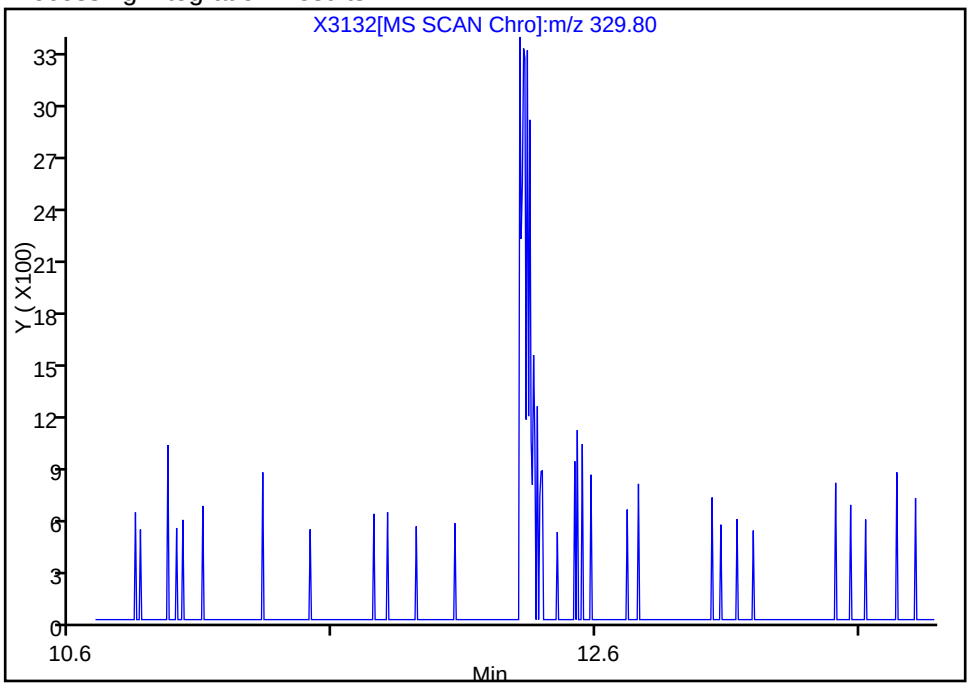
TestAmerica Buffalo

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

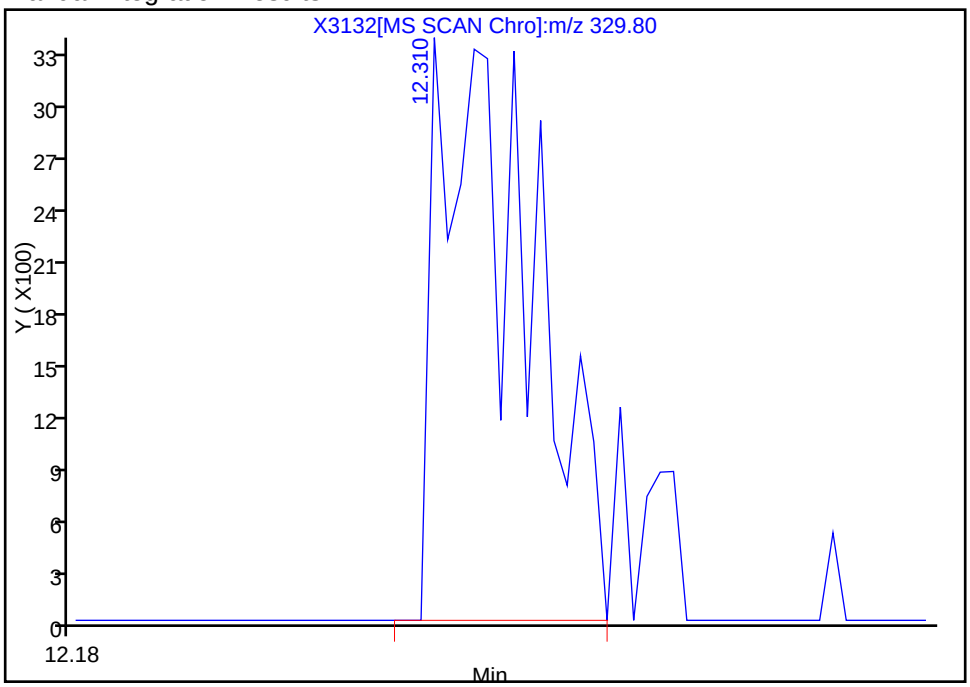
Processing Integration Results

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

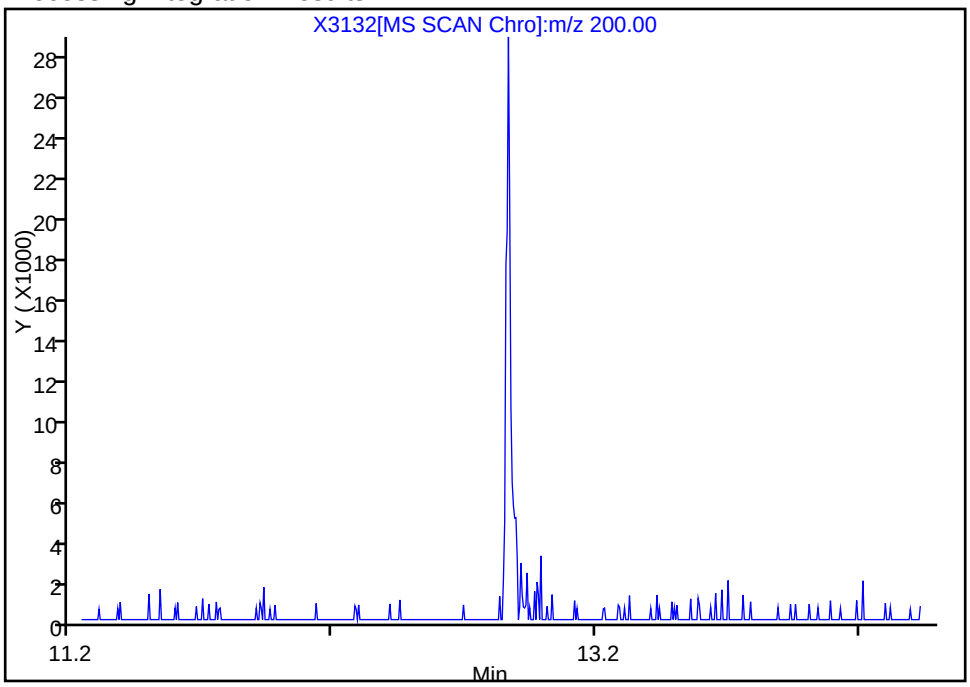
TestAmerica Buffalo

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

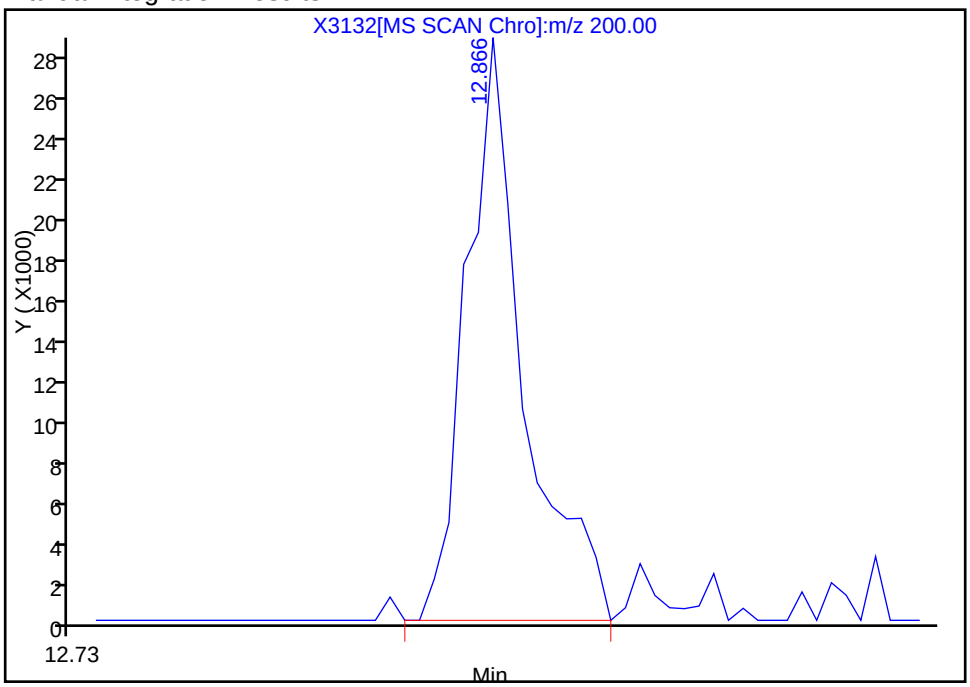
Processing Integration Results

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

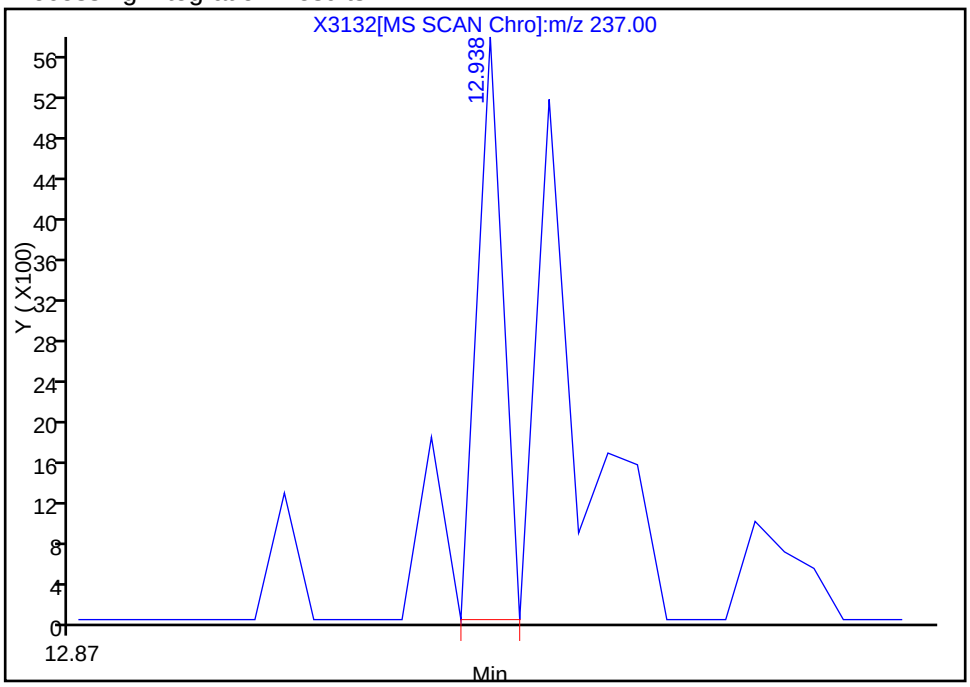
TestAmerica Buffalo

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

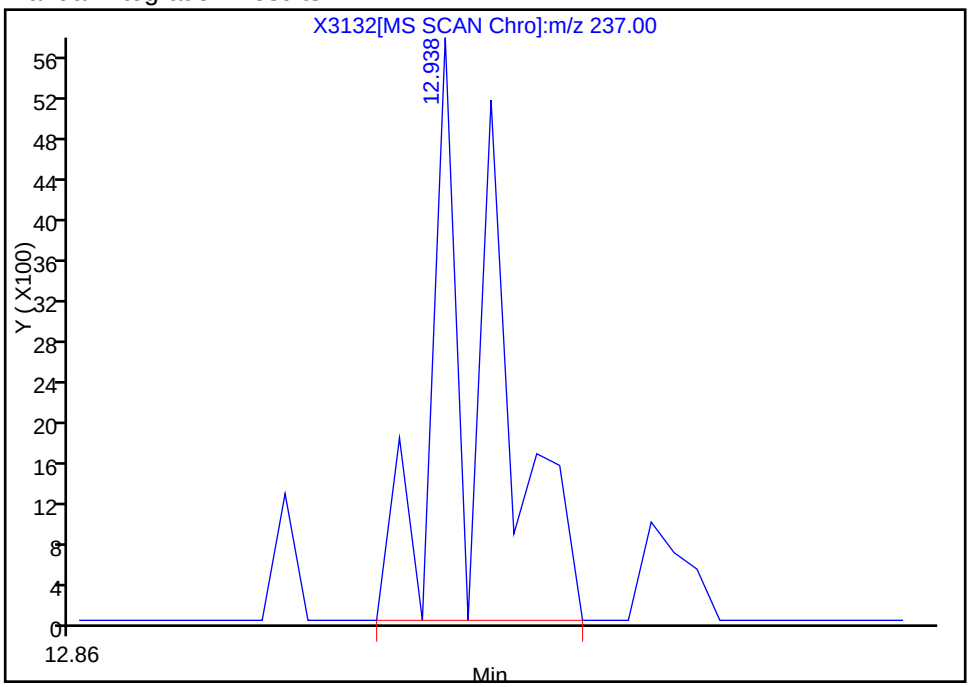
Processing Integration Results

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

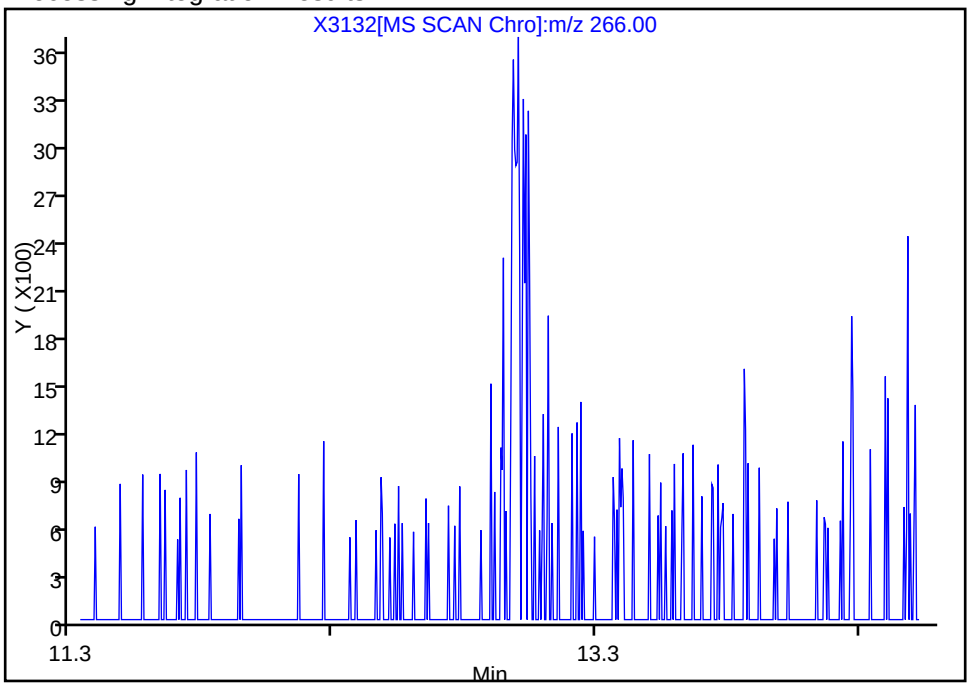
TestAmerica Buffalo

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

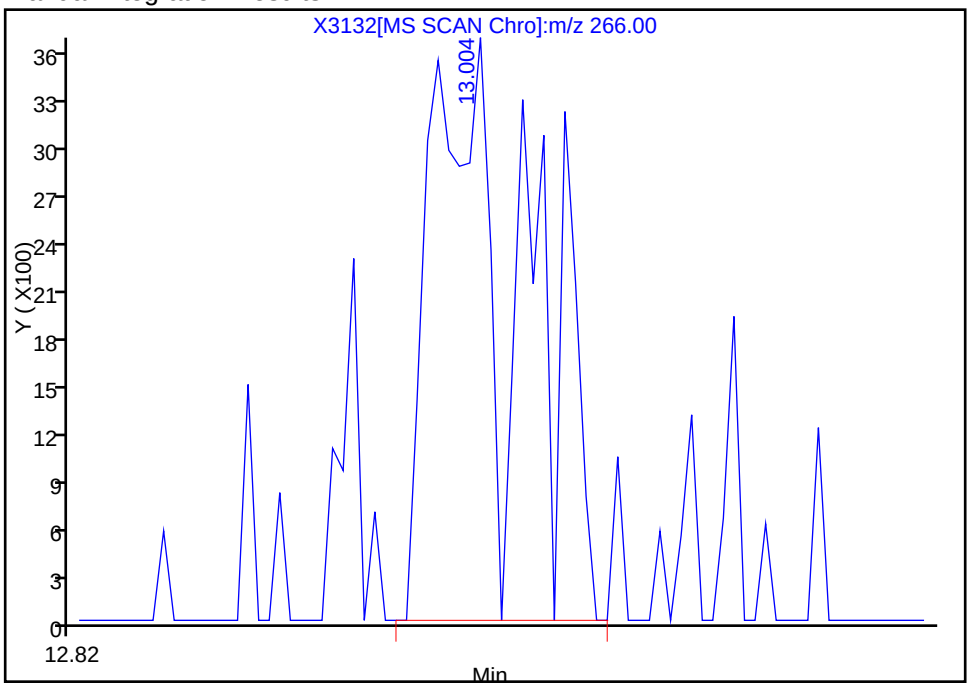
Processing Integration Results

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

Manual Integration/User Assign Peak Report

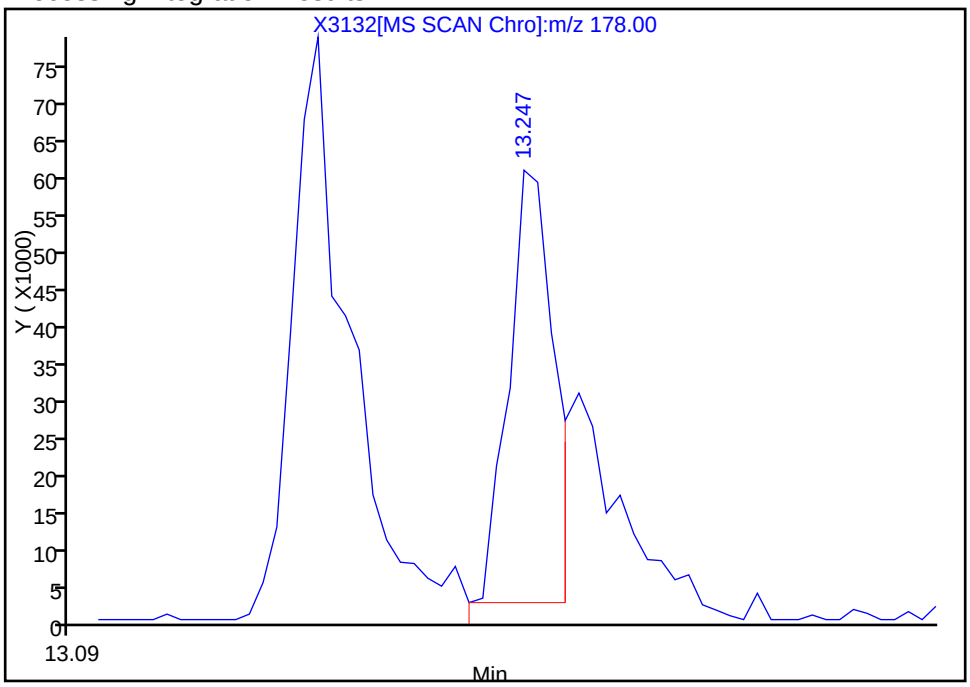
TestAmerica Buffalo

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

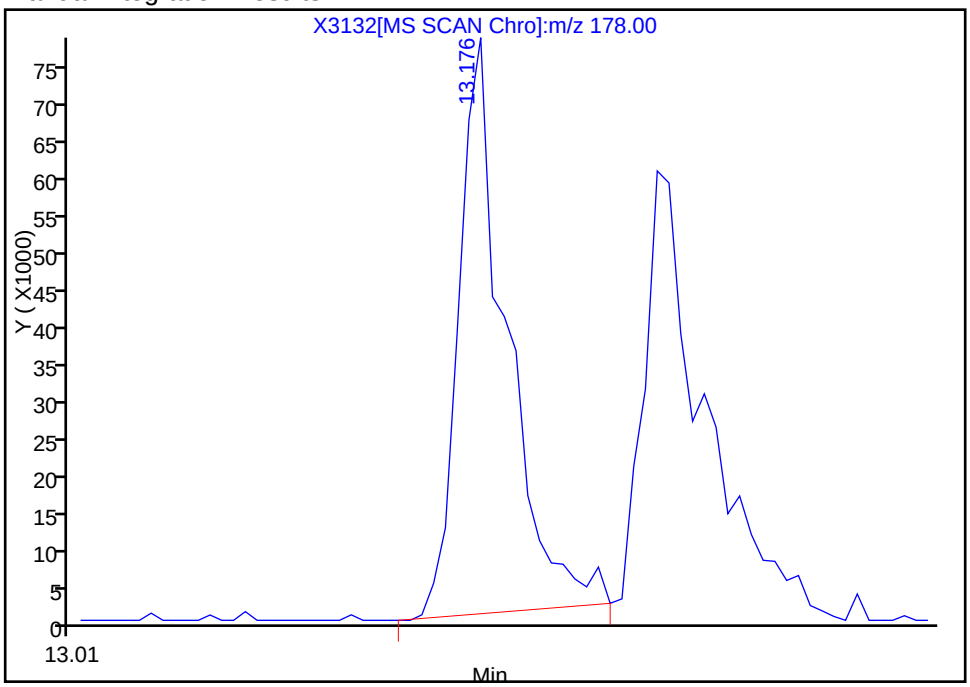
Processing Integration Results

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

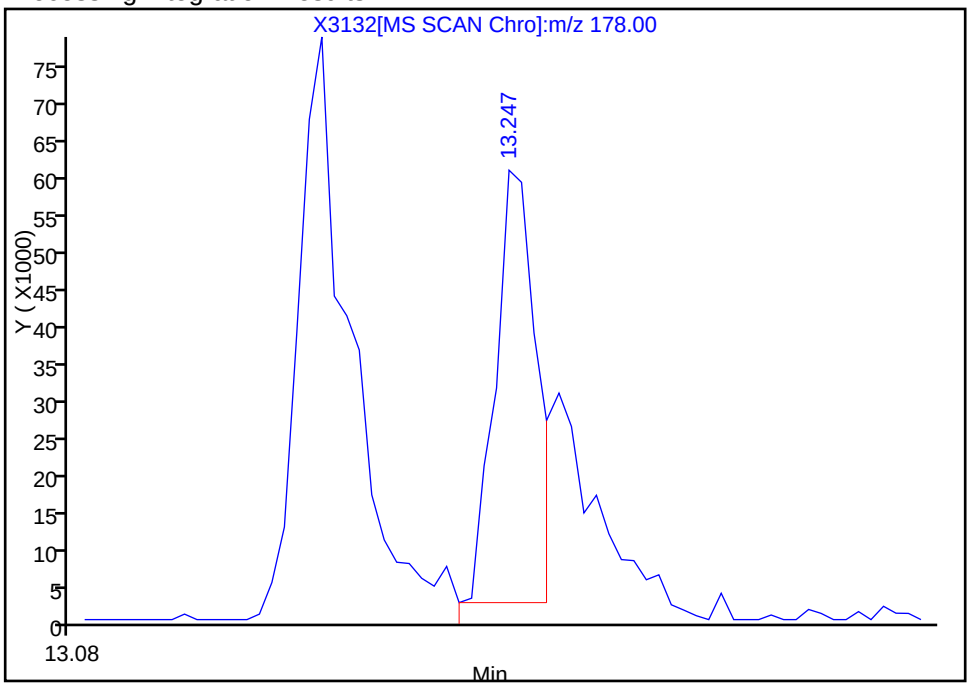
TestAmerica Buffalo

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

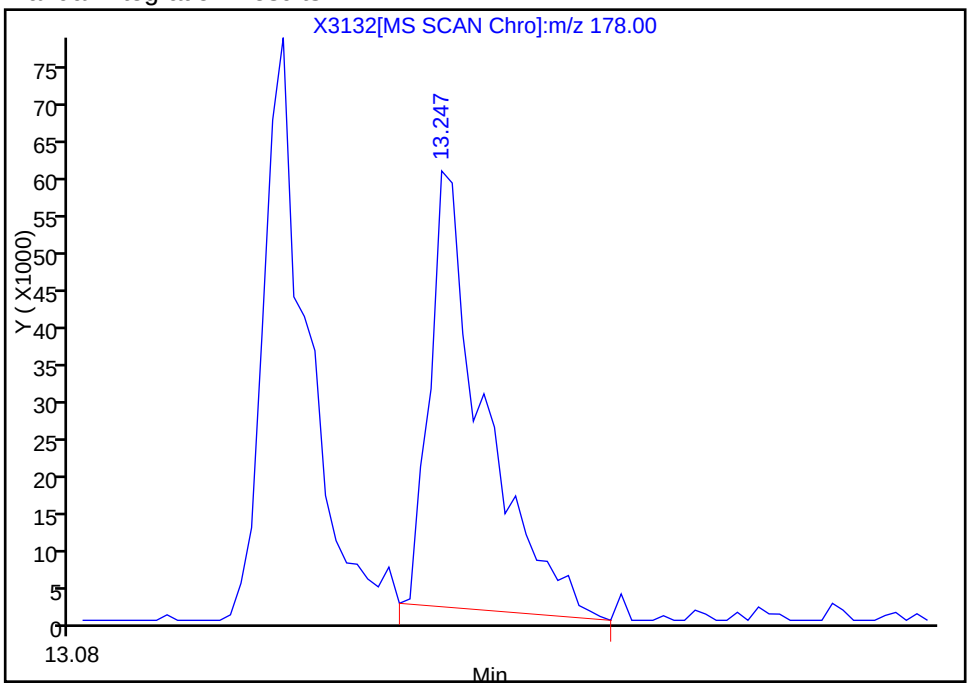
Processing Integration Results

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

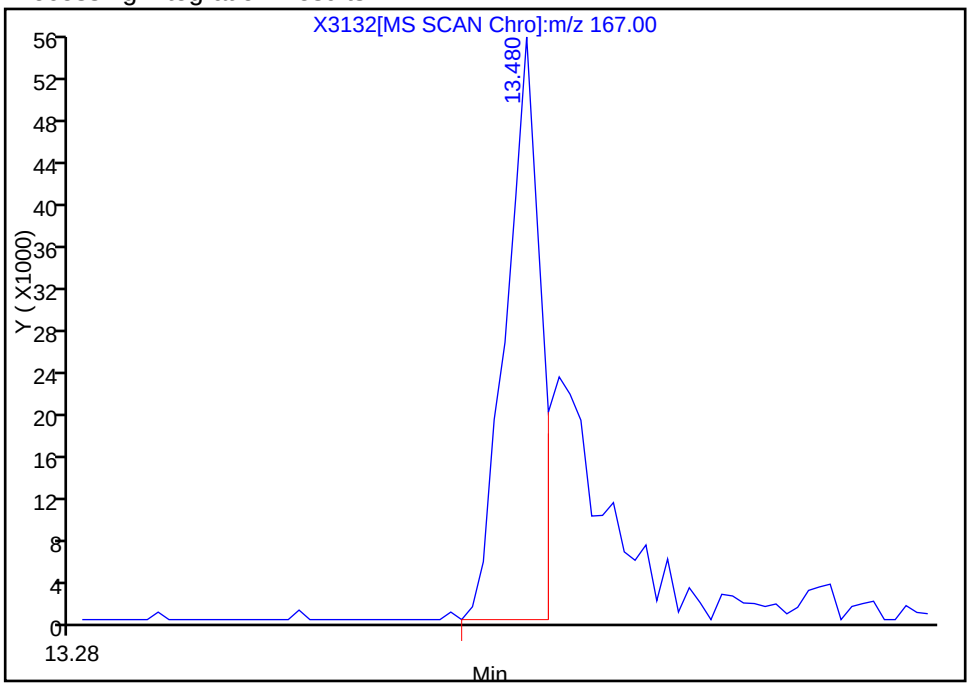
TestAmerica Buffalo

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

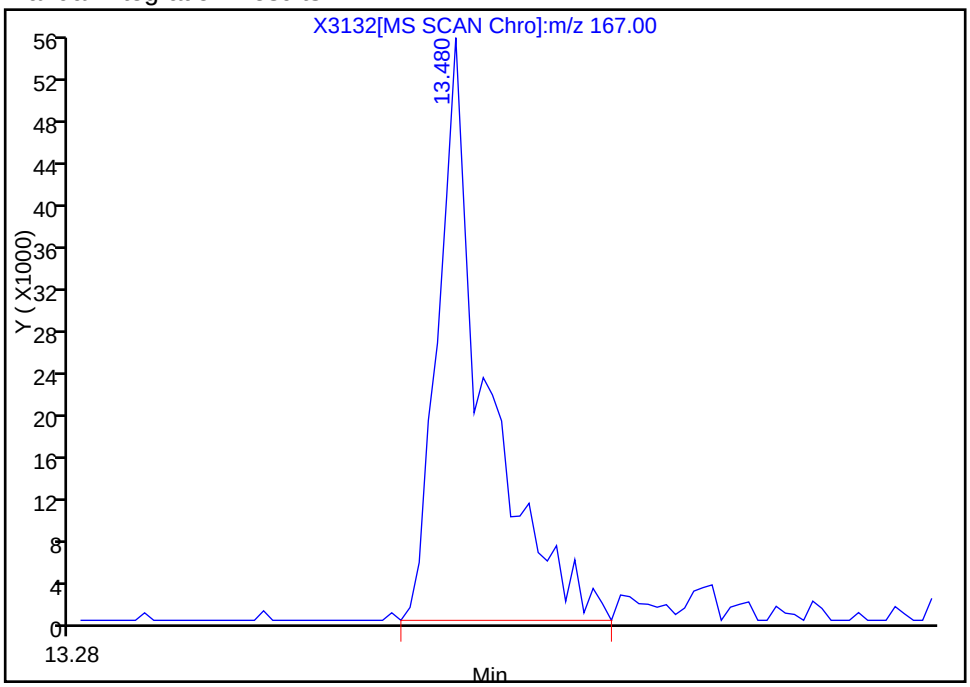
Processing Integration Results

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

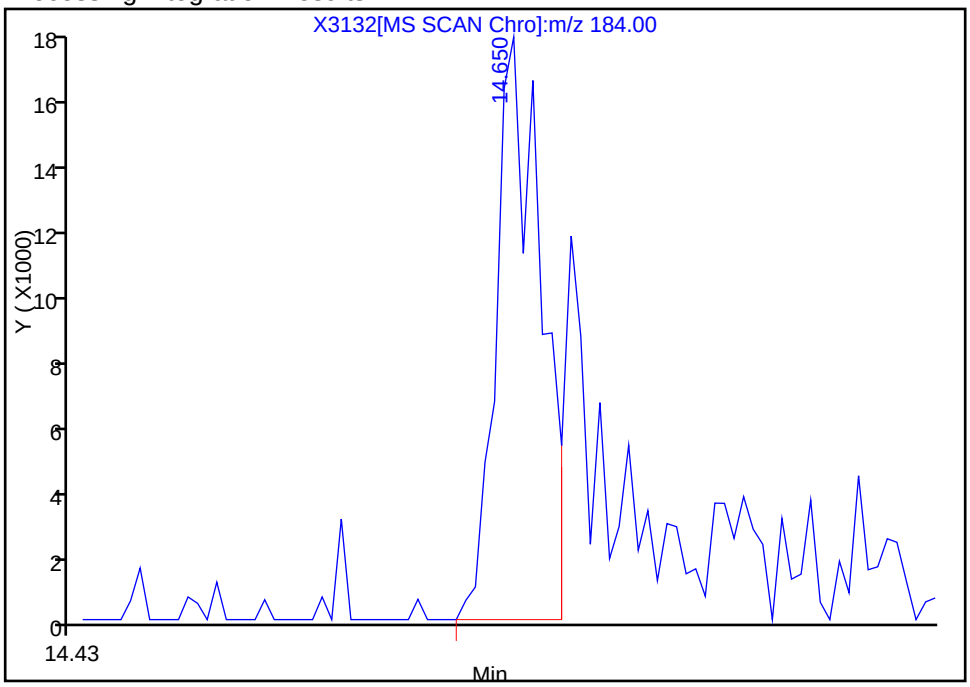
TestAmerica Buffalo

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

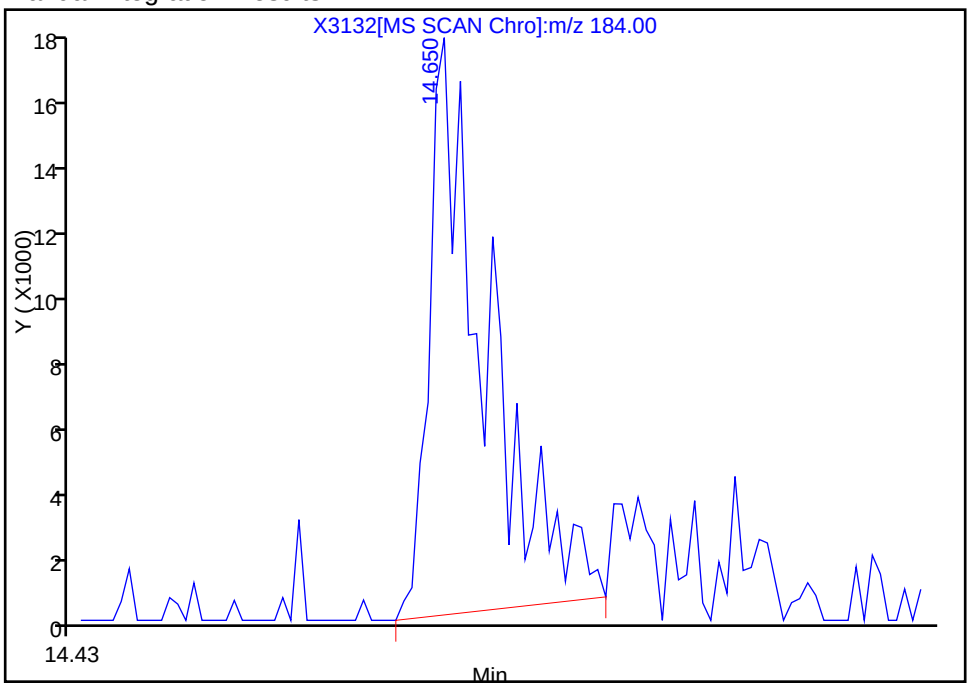
Processing Integration Results

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

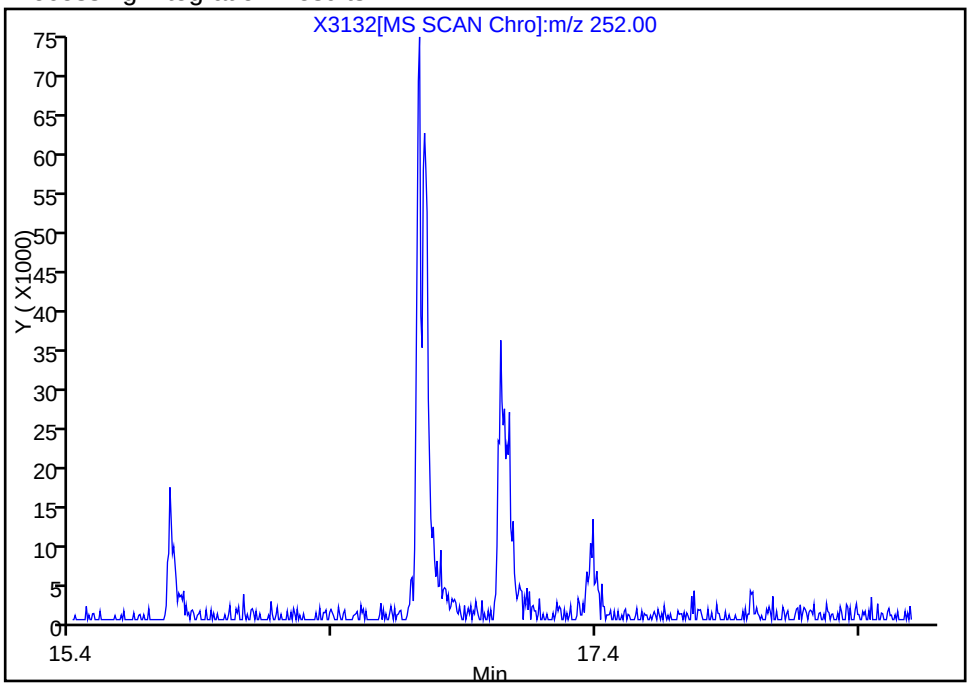
TestAmerica Buffalo

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

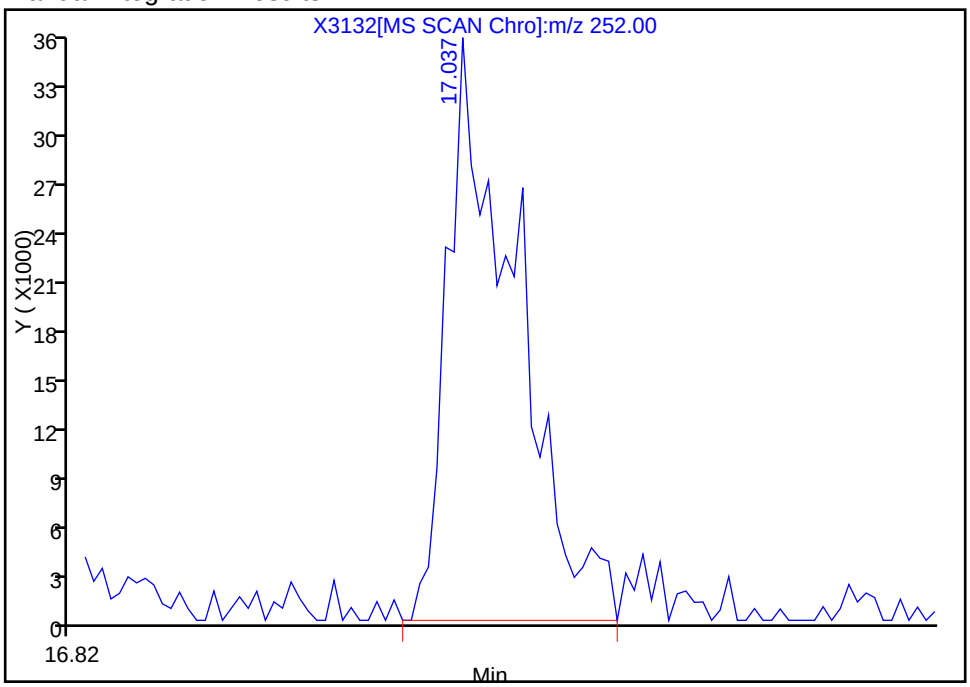
Processing Integration Results

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

Report Date: 18-Dec-2012 16:43:00 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

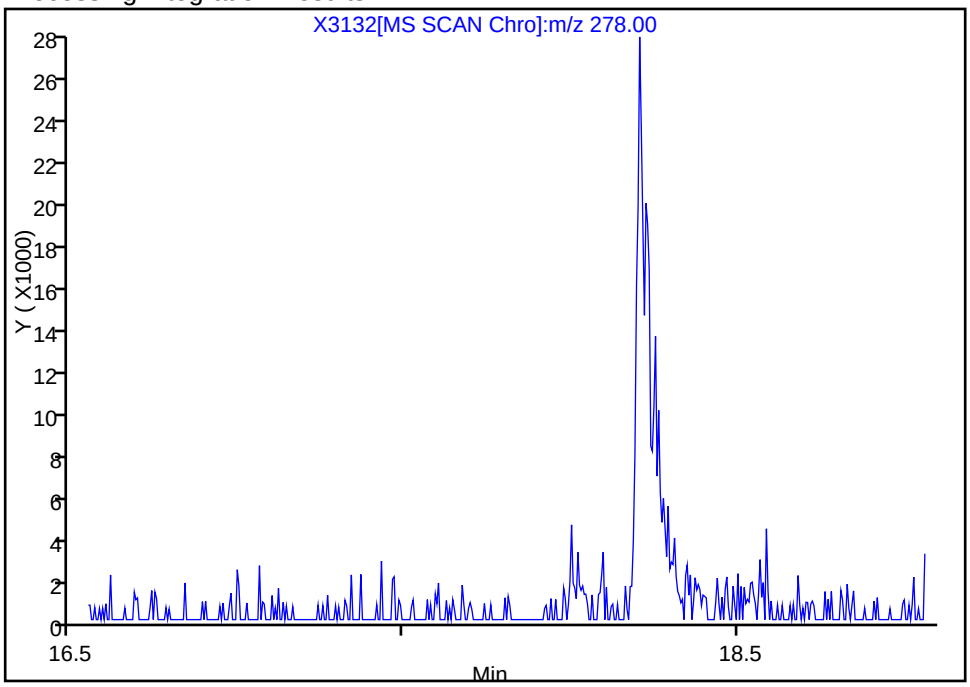
TestAmerica Buffalo

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

118 Dibenz(a,h)anthracene, Signal: 1, m/z: 278.0 Type: quant, RT: 18.15

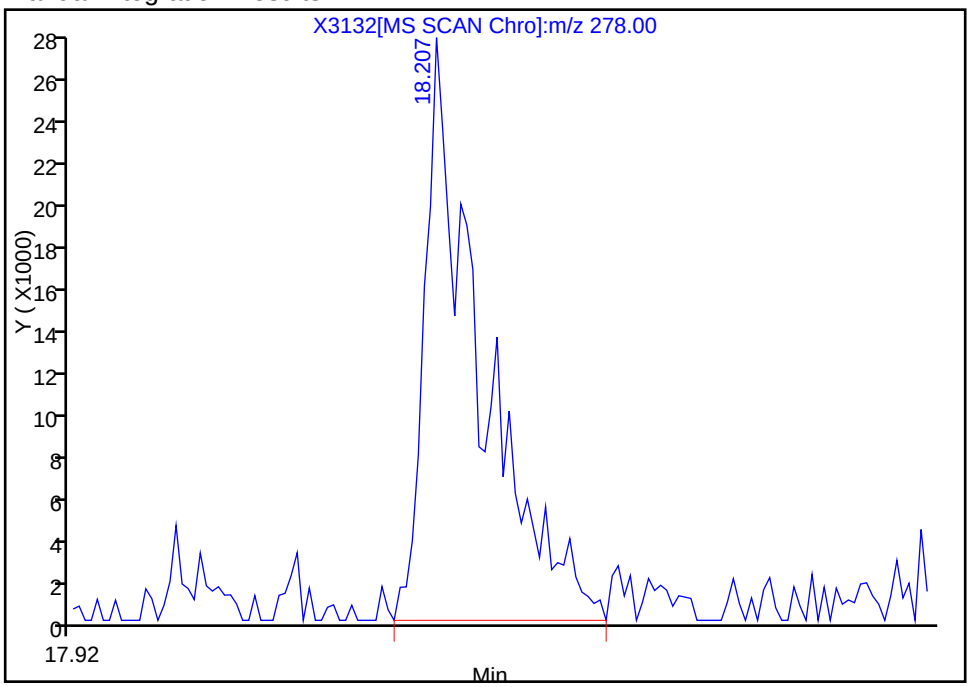
Processing Integration Results

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

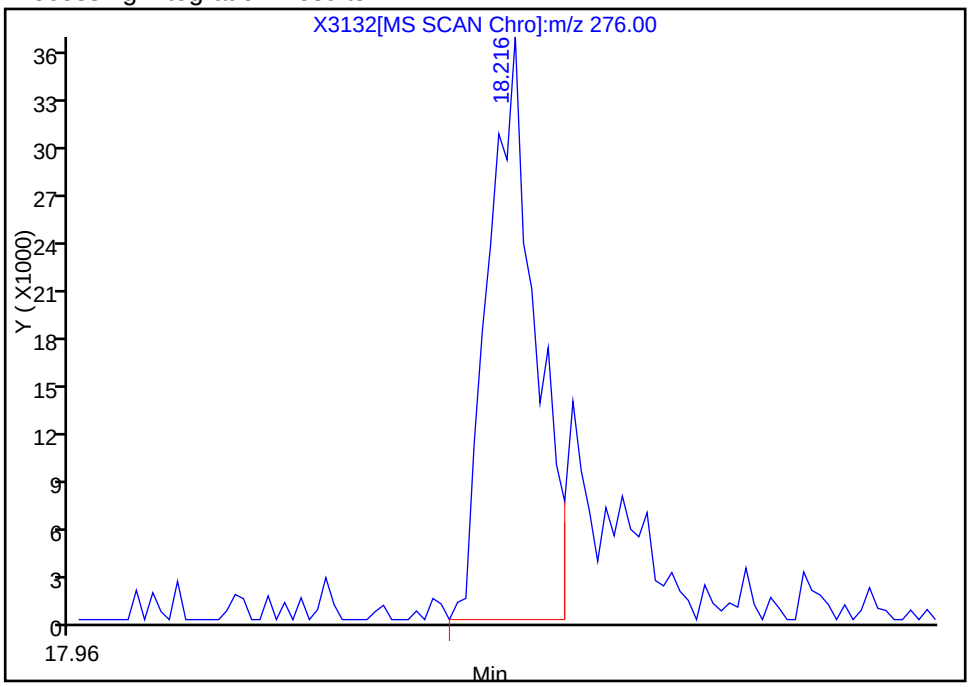
TestAmerica Buffalo

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

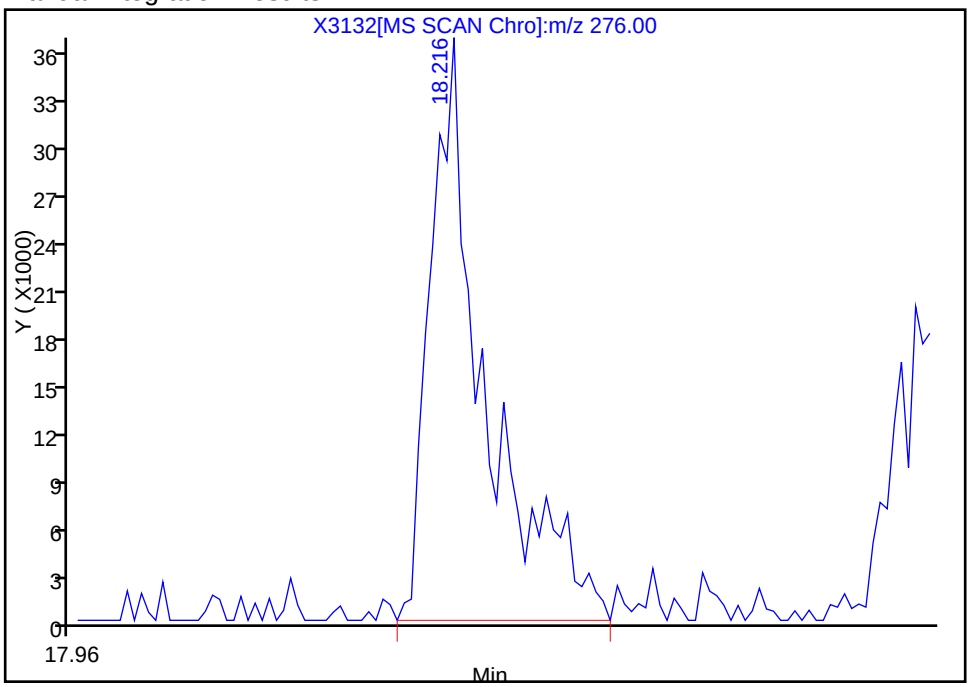
Processing Integration Results

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

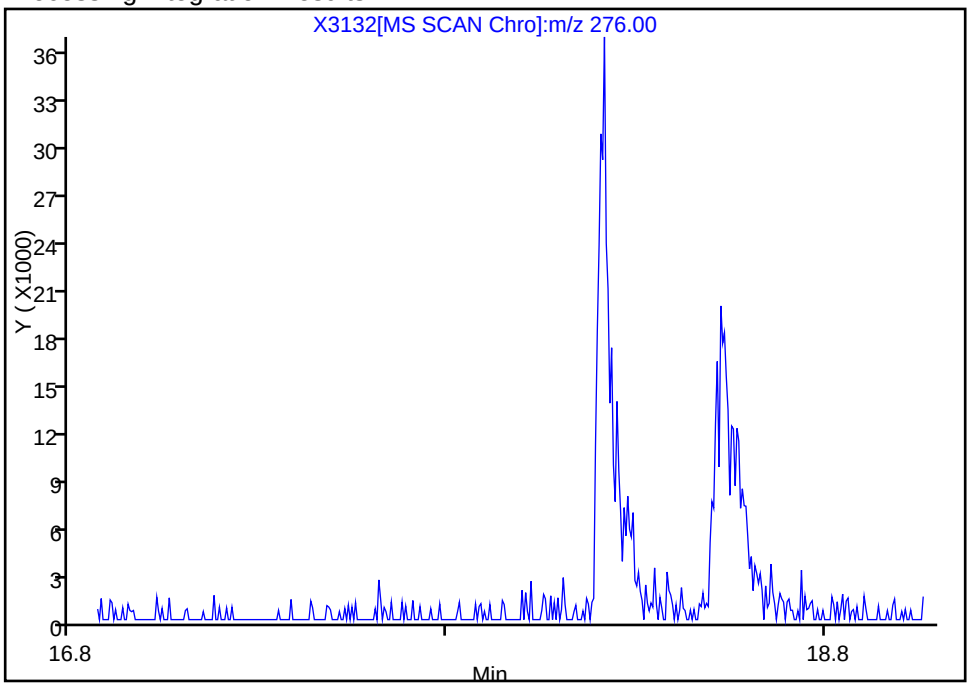
TestAmerica Buffalo

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

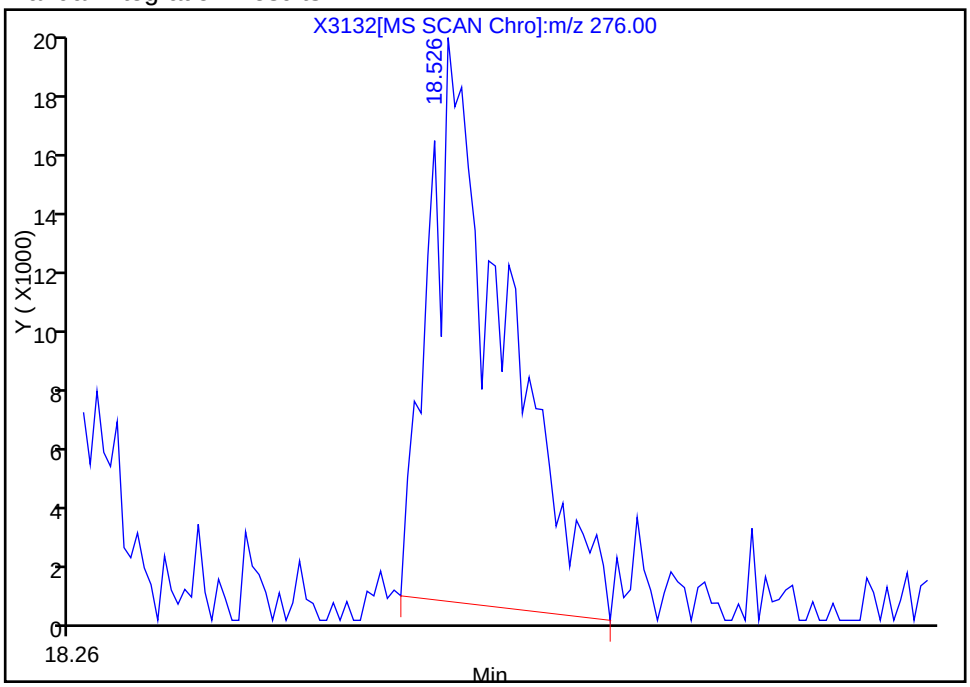
Processing Integration Results

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	

Report Date: 18-Dec-2012 16:43:03 Chrom Revision: 2.0 22-Oct-2012 16:30:48
Data File: \\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3133.D

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

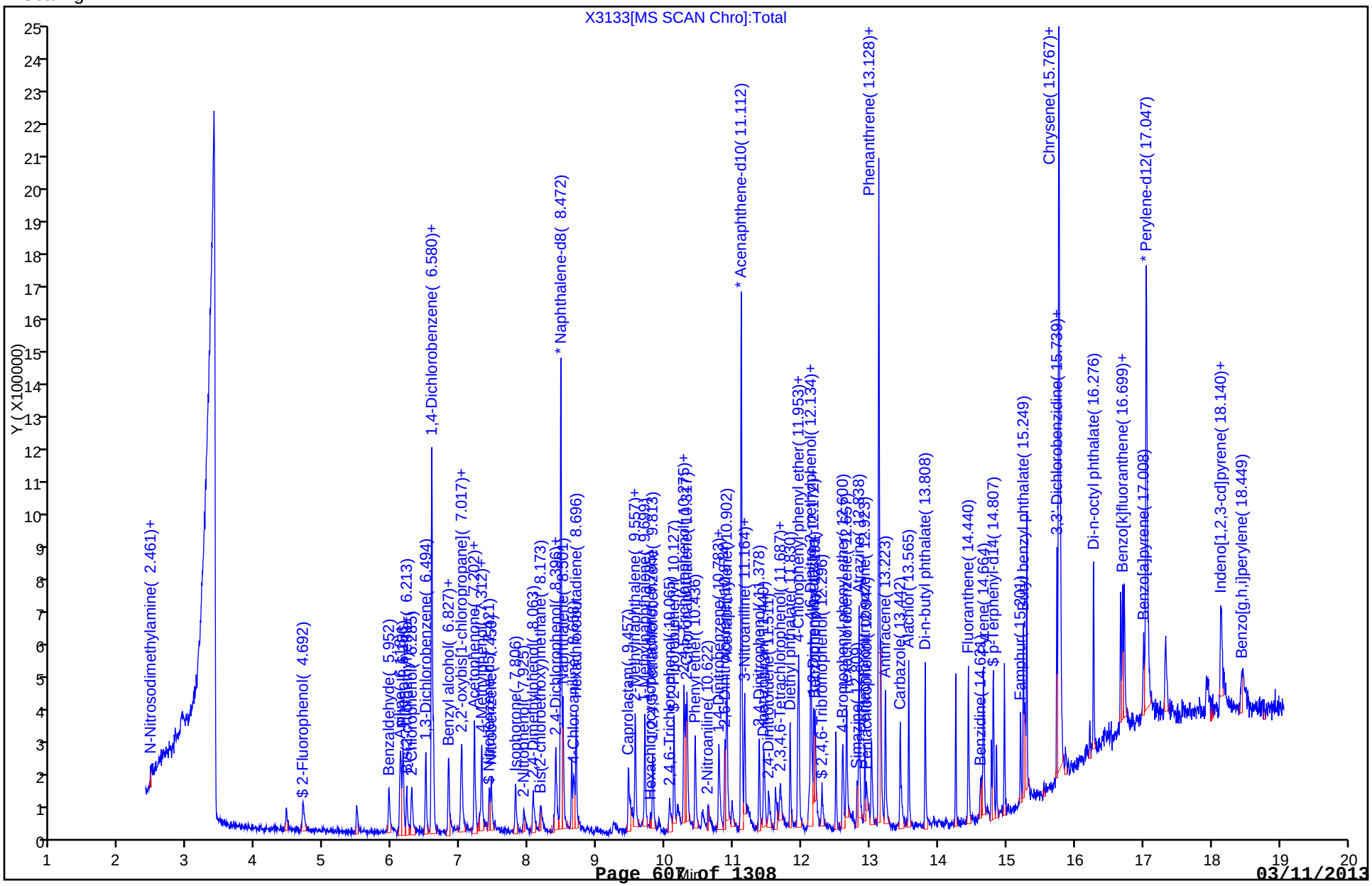
Review Flags
M - Manually Integrated

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:



Manual Integration/User Assign Peak Report

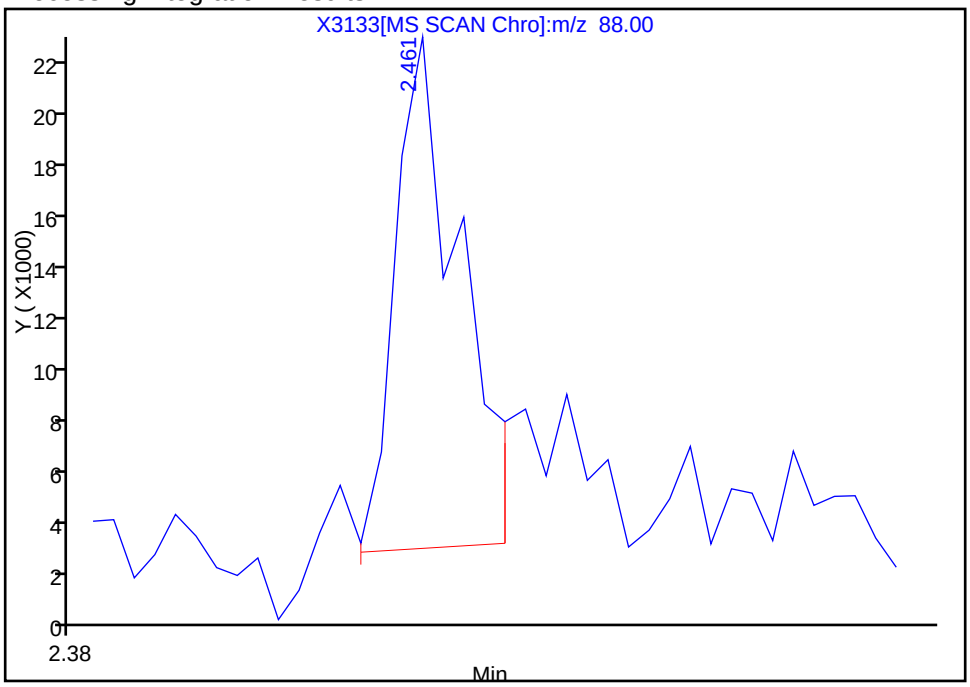
TestAmerica Buffalo

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

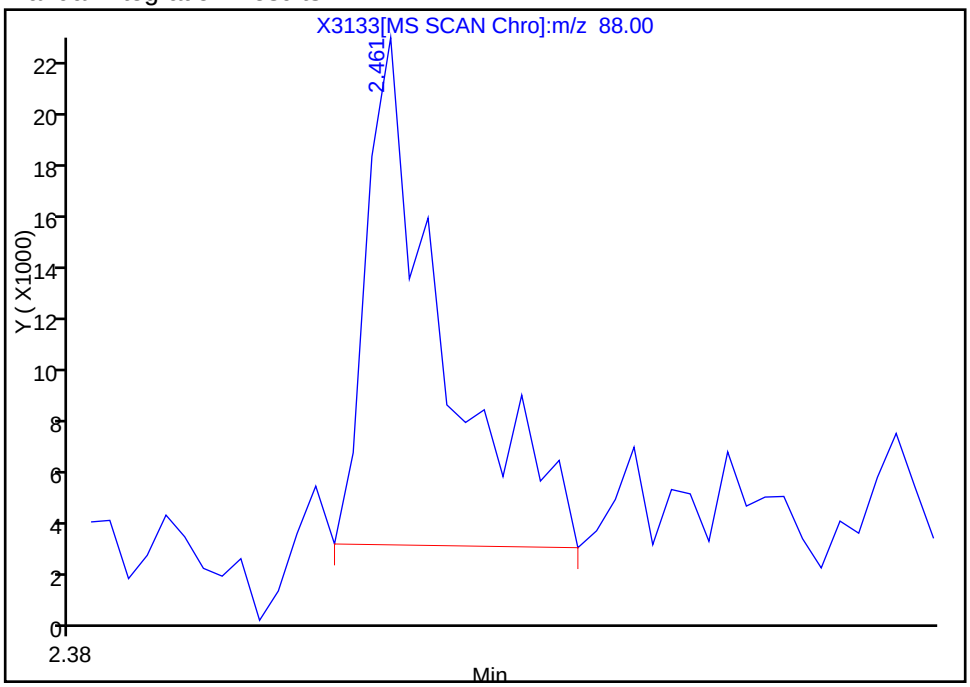
Processing Integration Results

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

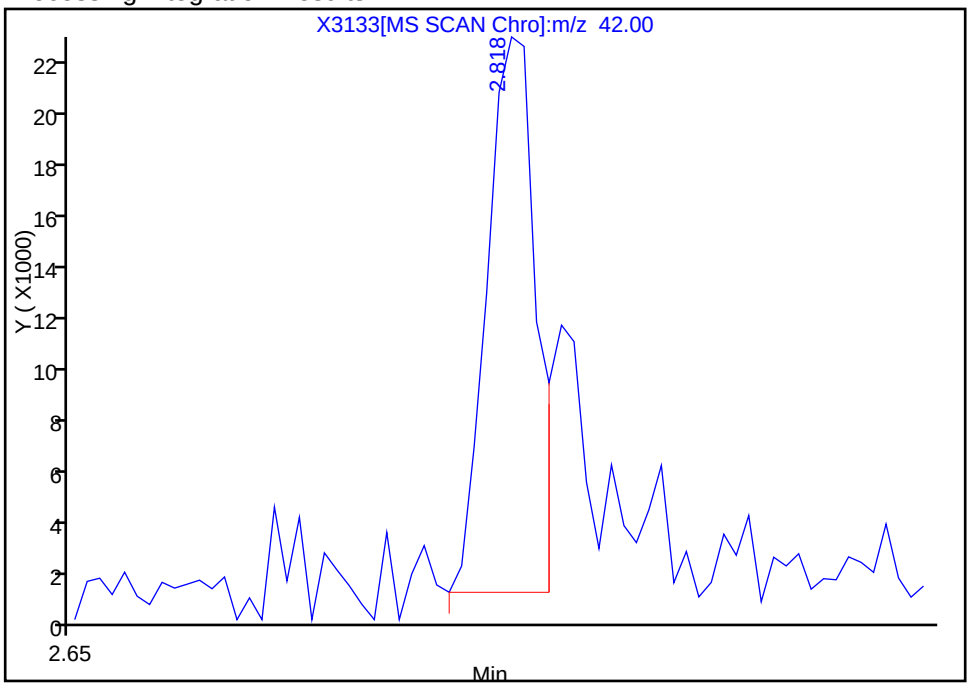
TestAmerica Buffalo

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

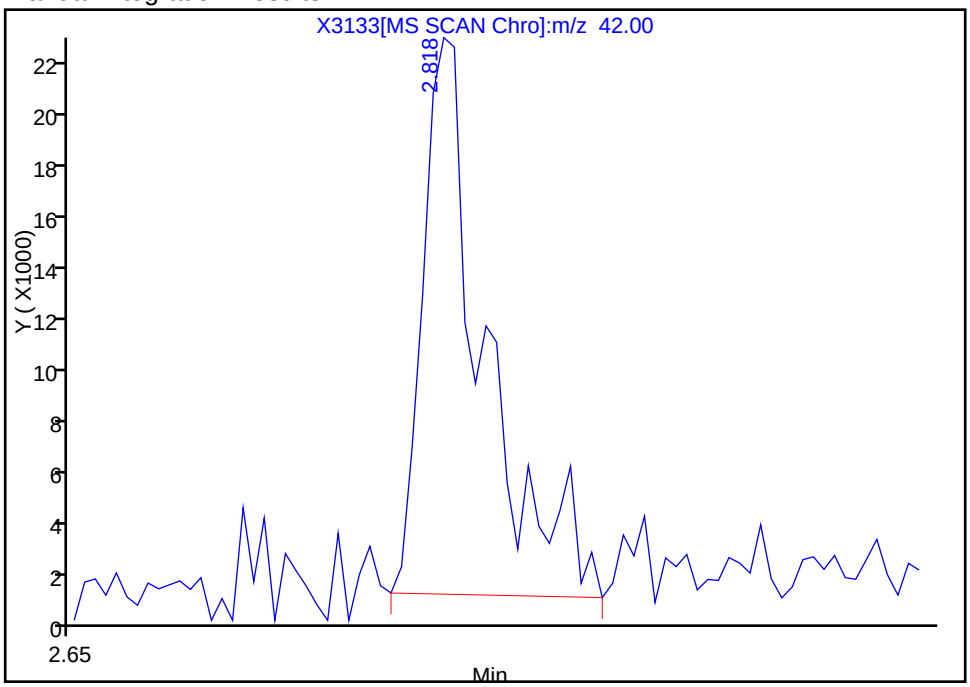
Processing Integration Results

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
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

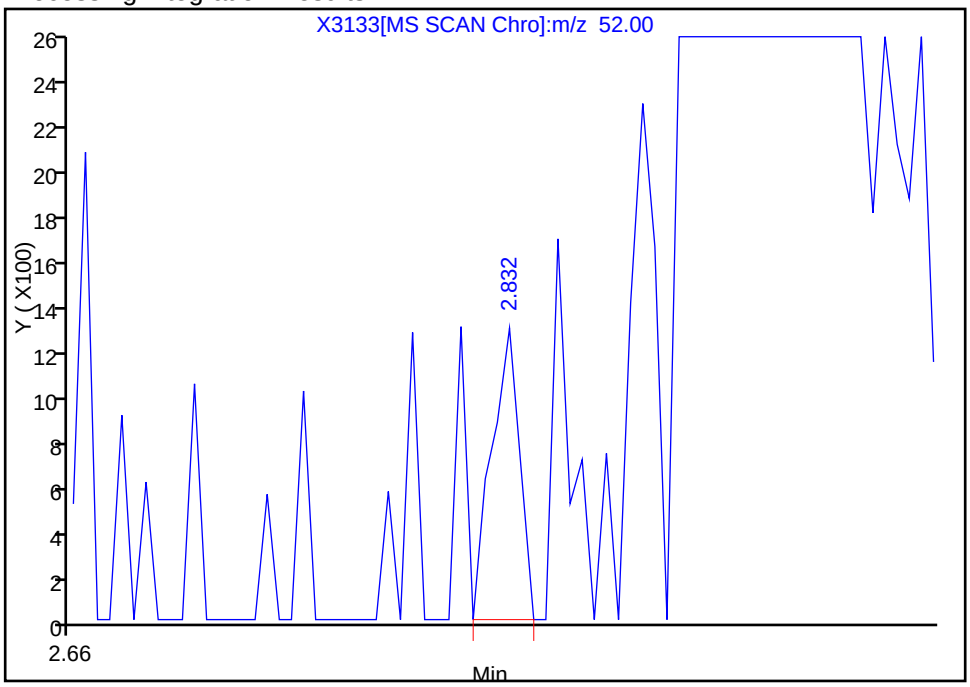
TestAmerica Buffalo

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

20 Pyridine, Signal: 1, m/z: 52.0 Type: quant, RT: 2.91

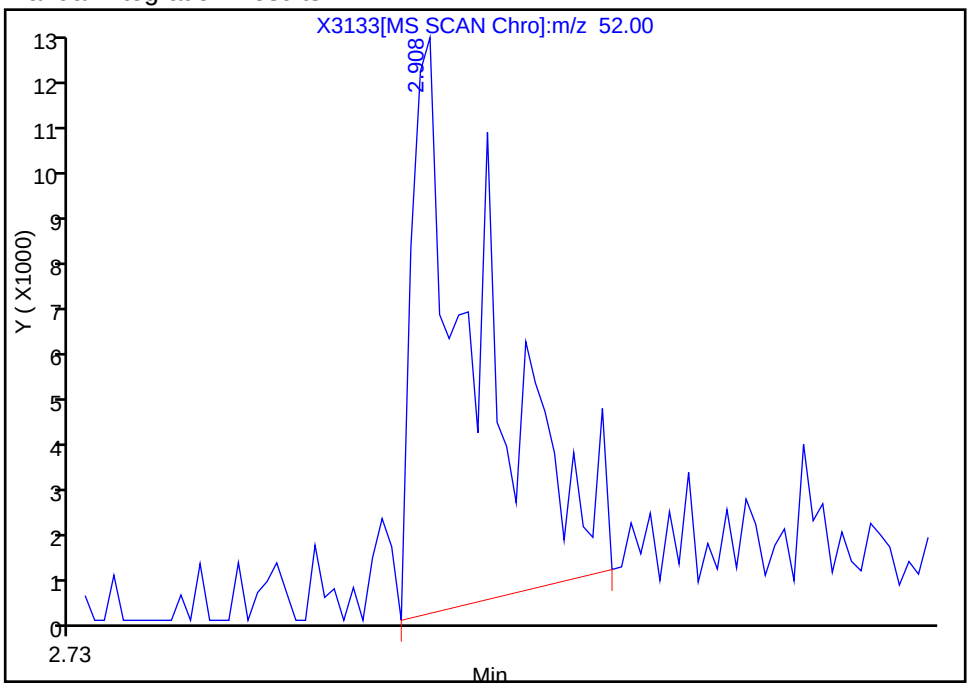
Processing Integration Results

RT: 2.83
Response: 959
Amount: 0.042936



Manual Integration Results

RT: 2.91
Response: 30554
Amount: 0.699412



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

Manual Integration/User Assign Peak Report

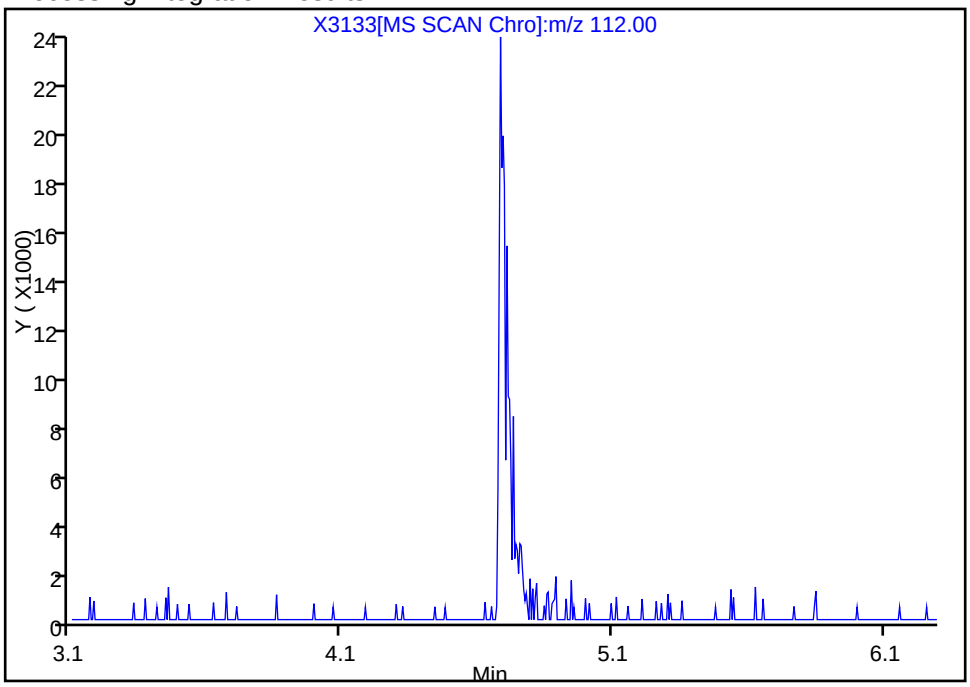
TestAmerica Buffalo

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

$ 7 2-Fluorophenol, Signal: 1, m/z: 112.0 Type: quant, RT: 4.70

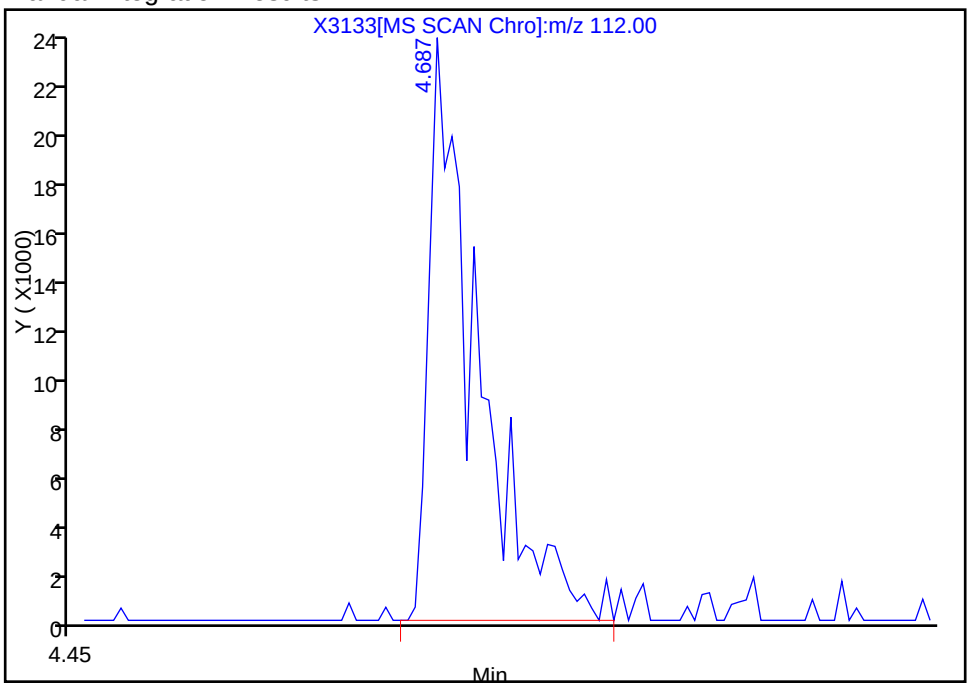
Processing Integration Results

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
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Manual Integration/User Assign Peak Report

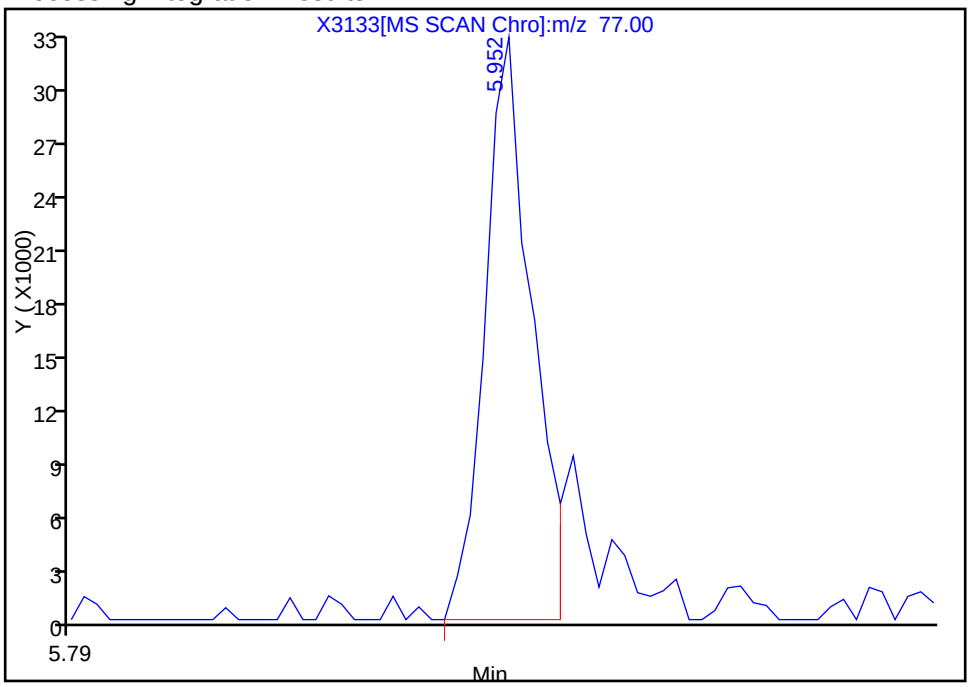
TestAmerica Buffalo

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

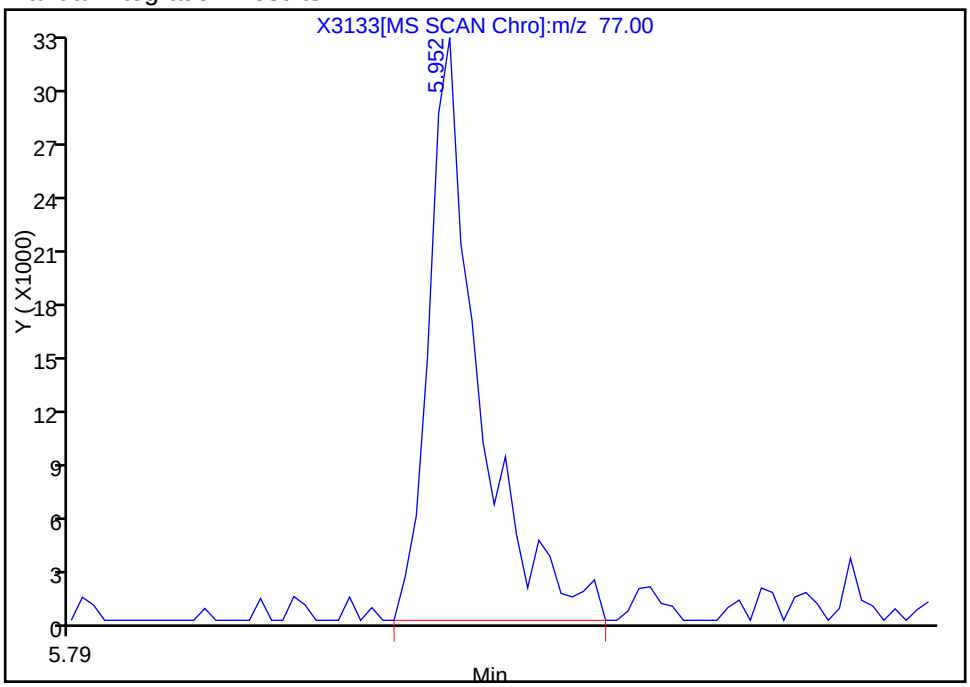
Processing Integration Results

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
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Report Date: 18-Dec-2012 16:43:03 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

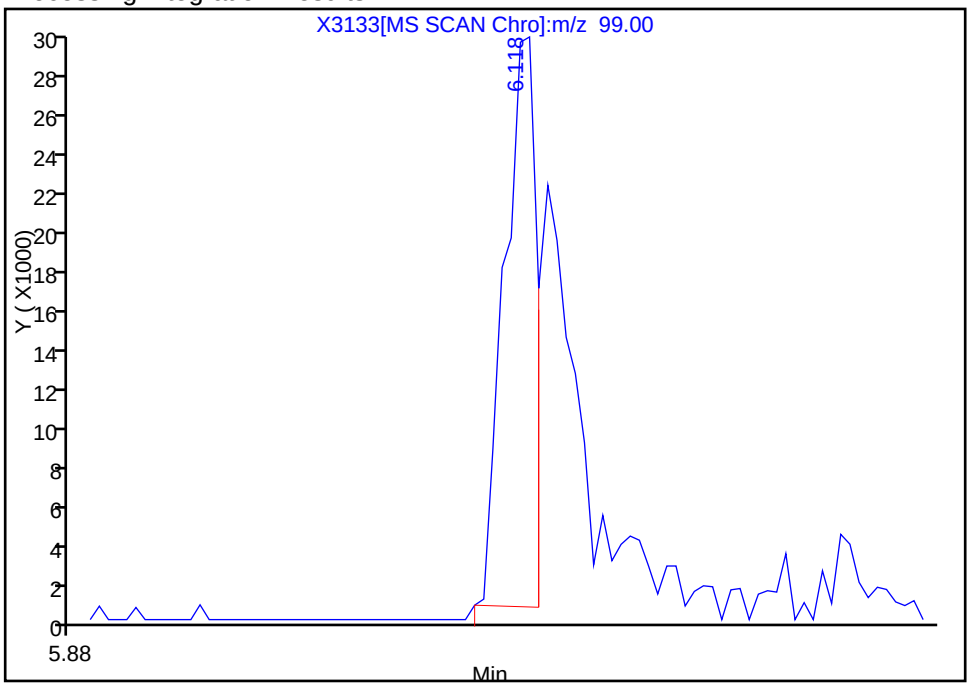
TestAmerica Buffalo

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

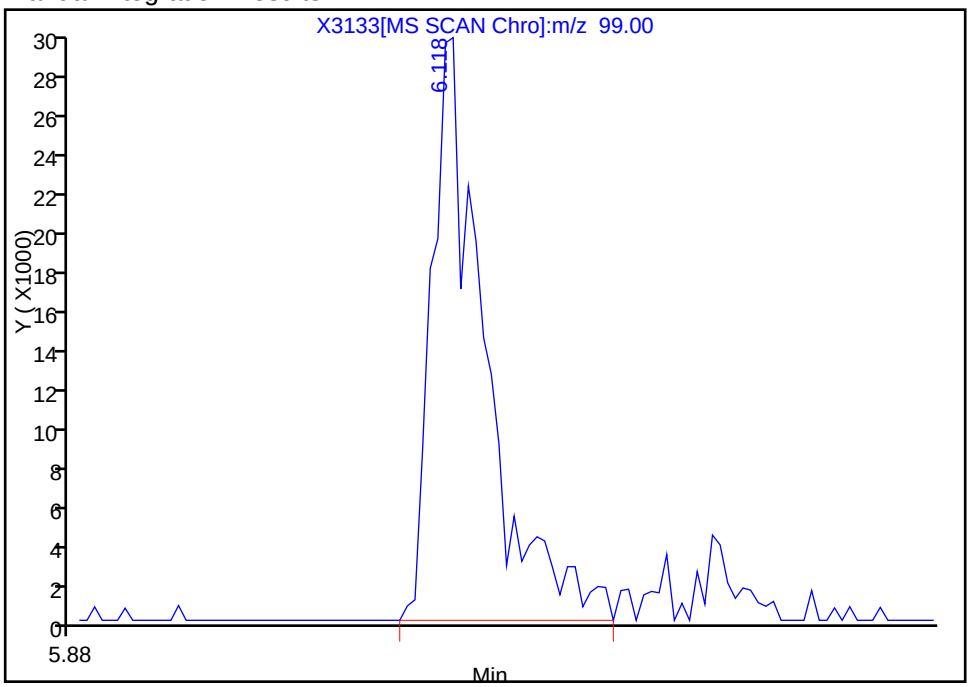
Processing Integration Results

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

Report Date: 18-Dec-2012 16:43:03 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

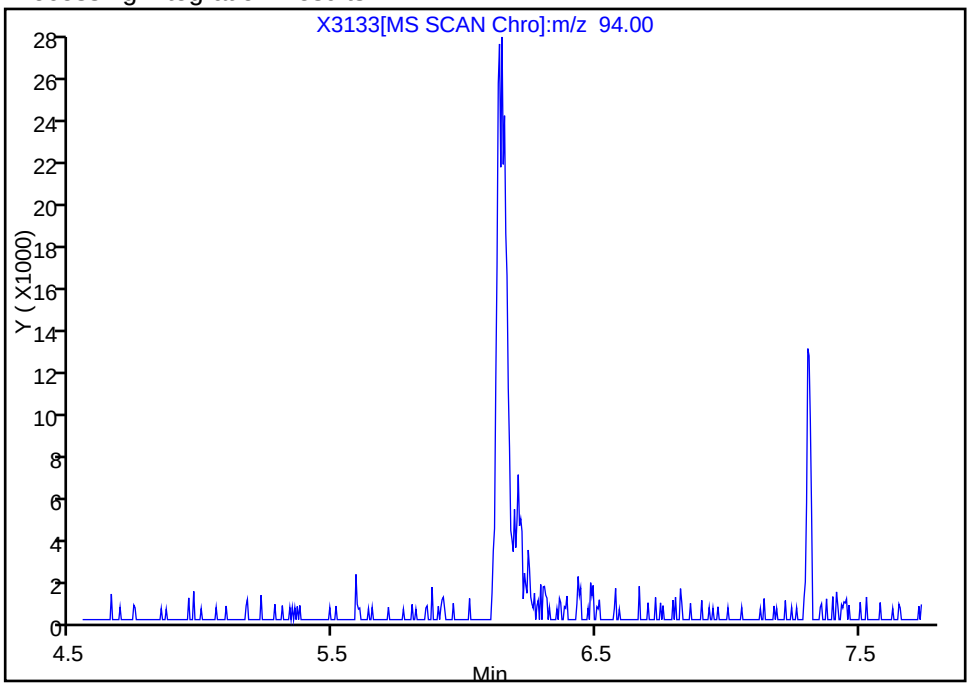
TestAmerica Buffalo

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

22 Phenol, Signal: 1, m/z: 94.0 Type: quant, RT: 6.14

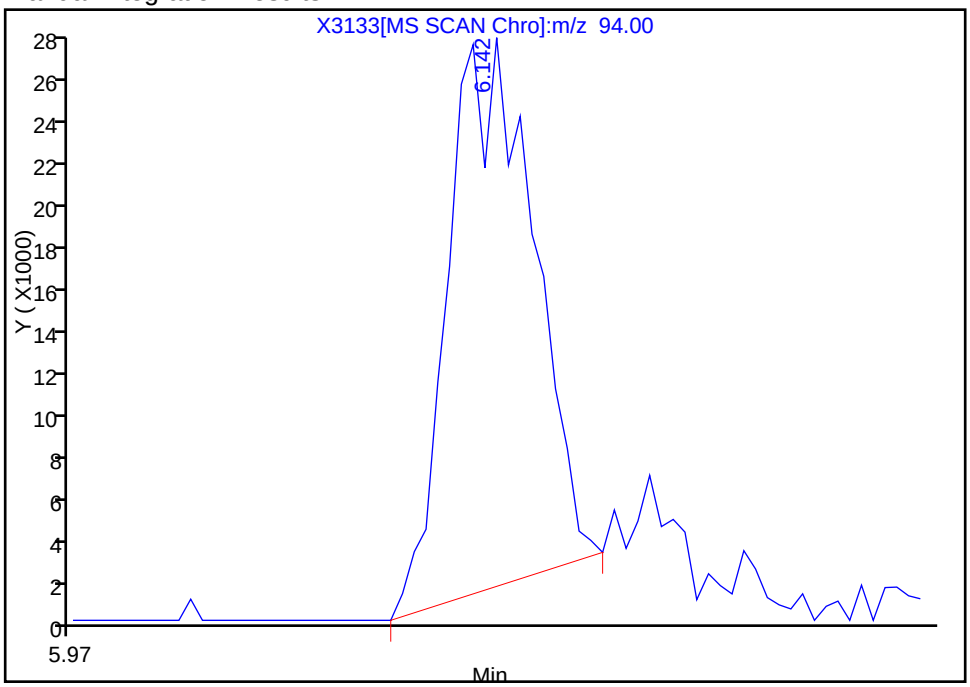
Processing Integration Results

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

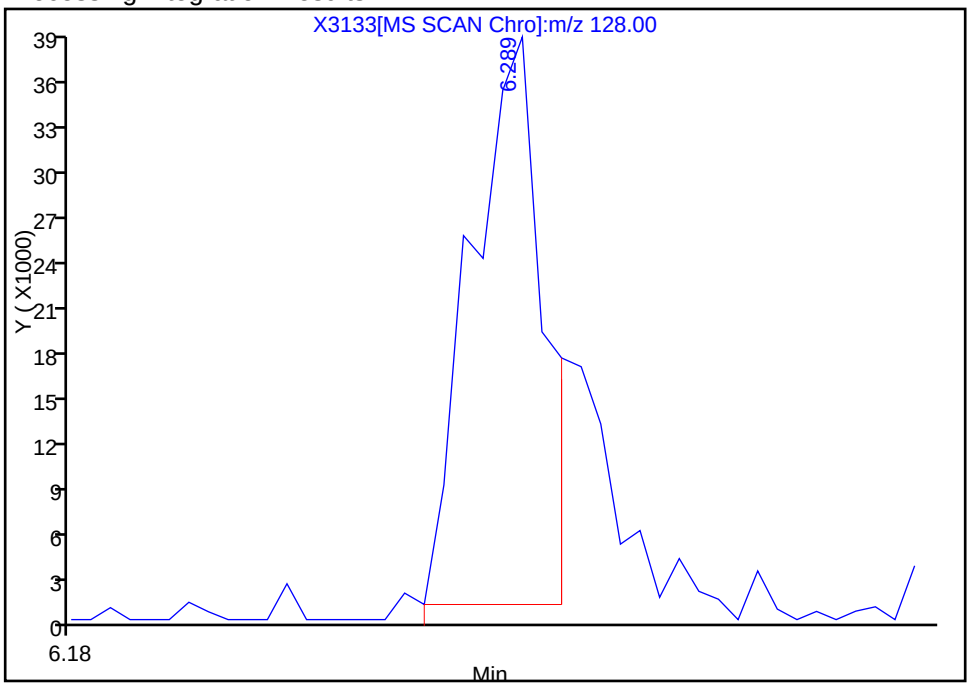
TestAmerica Buffalo

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

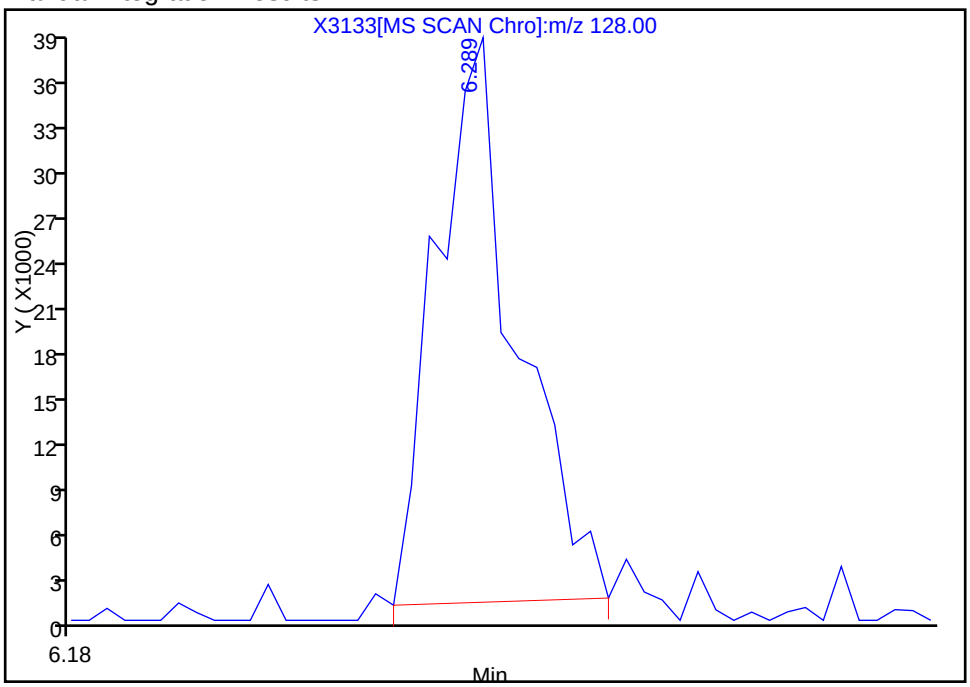
Processing Integration Results

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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Manual Integration/User Assign Peak Report

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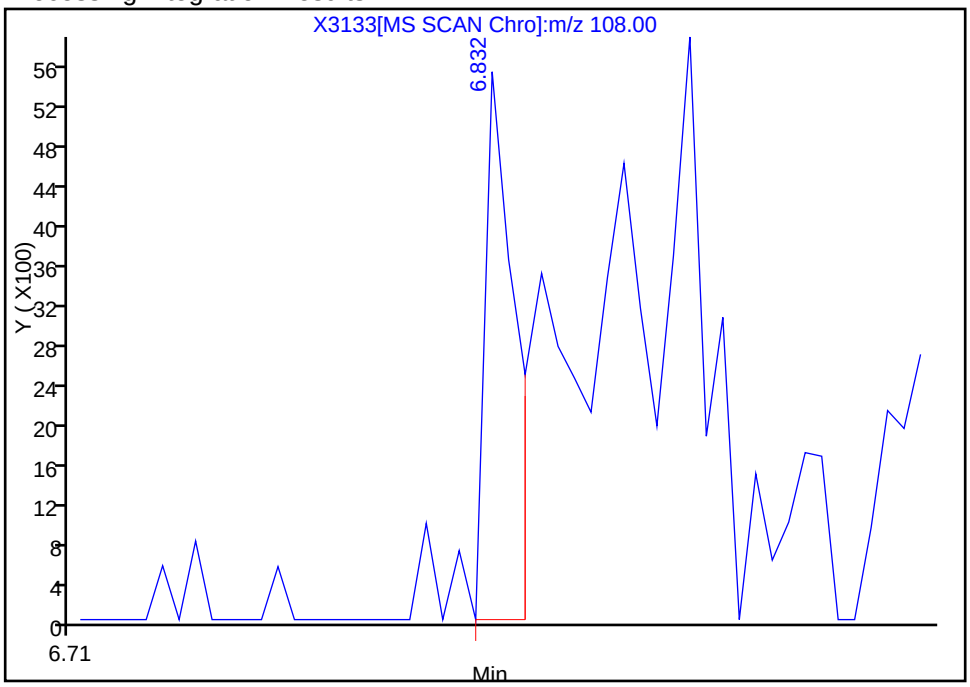
Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3133.D		
Injection Date:	18-Dec-2012 12:11:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	4
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

28 Benzyl alcohol, Signal: 1, m/z: 108.0 Type: quant, RT: 6.85

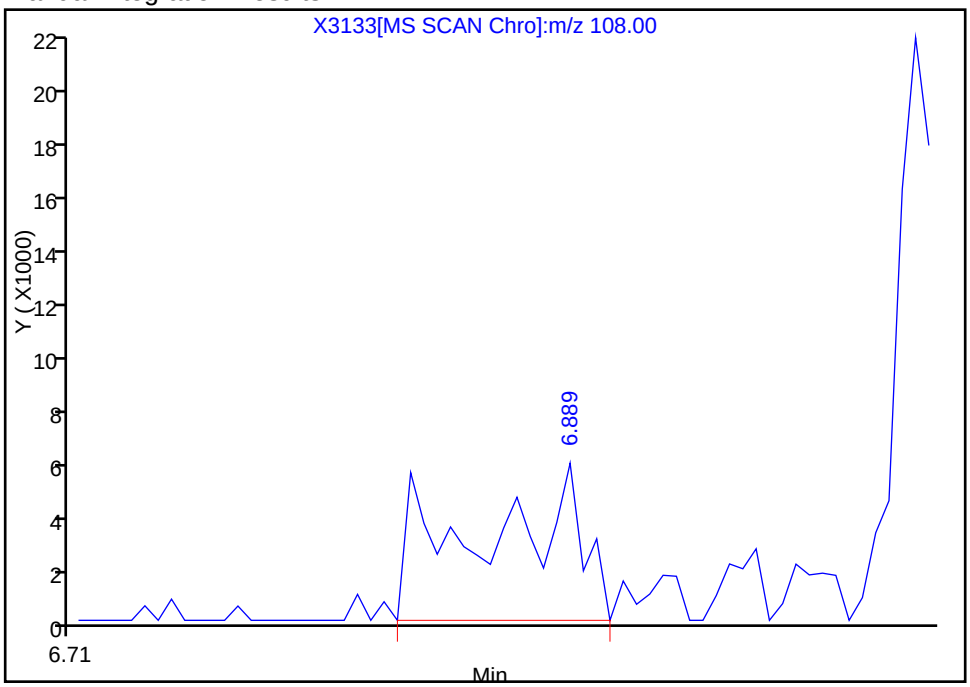
Processing Integration Results

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
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Manual Integration/User Assign Peak Report

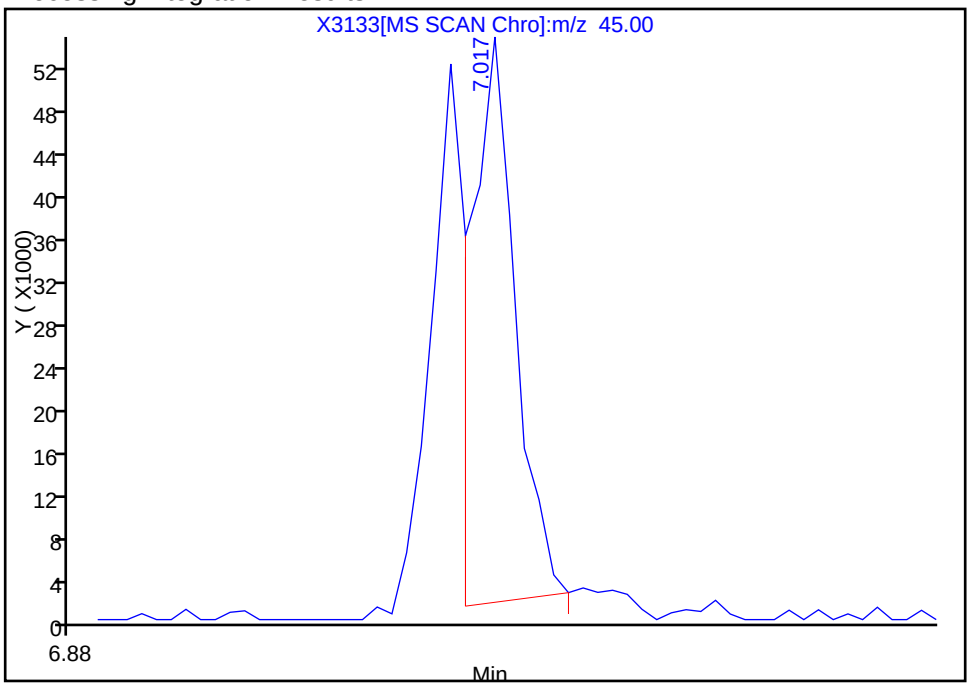
TestAmerica Buffalo

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

32 2,2'-oxybis[1-chloropropane], Signal: 1, m/z: 45.0 Type: quant, RT: 7.02

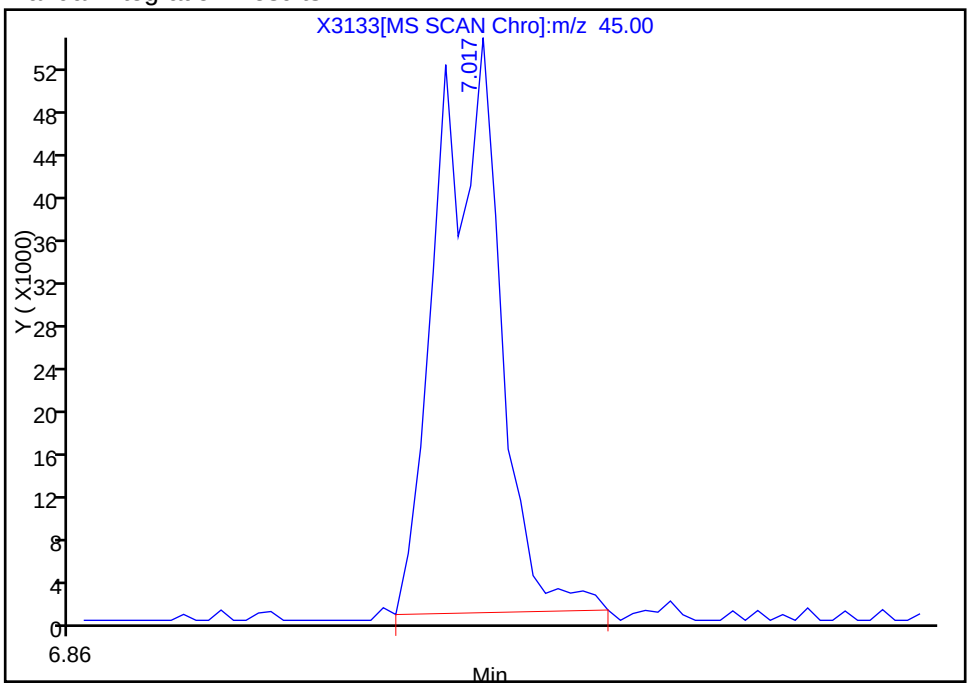
Processing Integration Results

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

Report Date: 18-Dec-2012 16:43:03 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

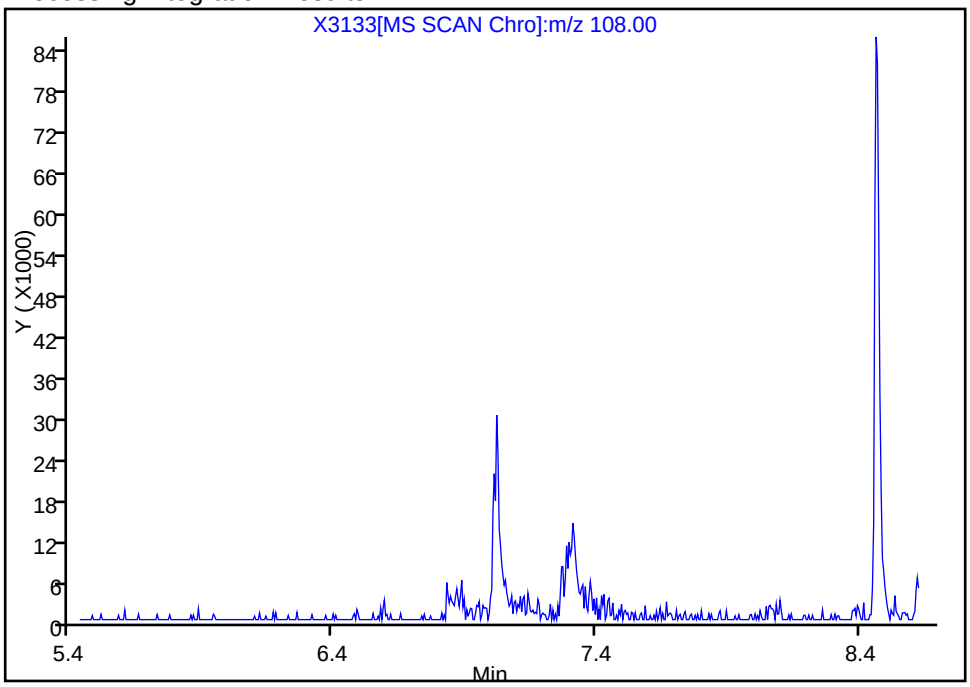
TestAmerica Buffalo

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

31 2-Methylphenol, Signal: 1, m/z: 108.0 Type: quant, RT: 7.03

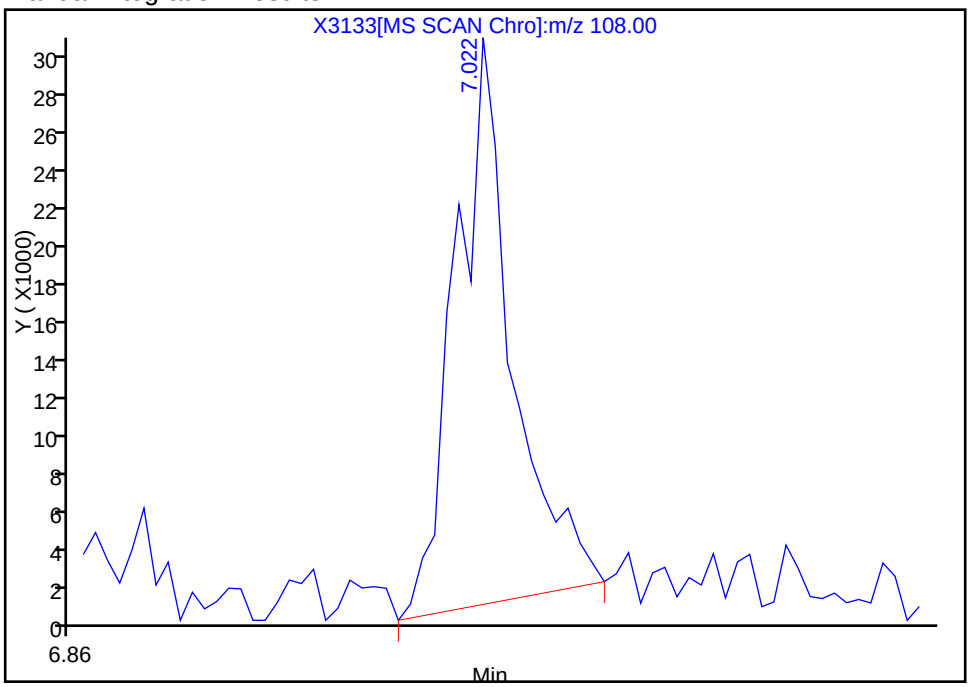
Processing Integration Results

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
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Manual Integration/User Assign Peak Report

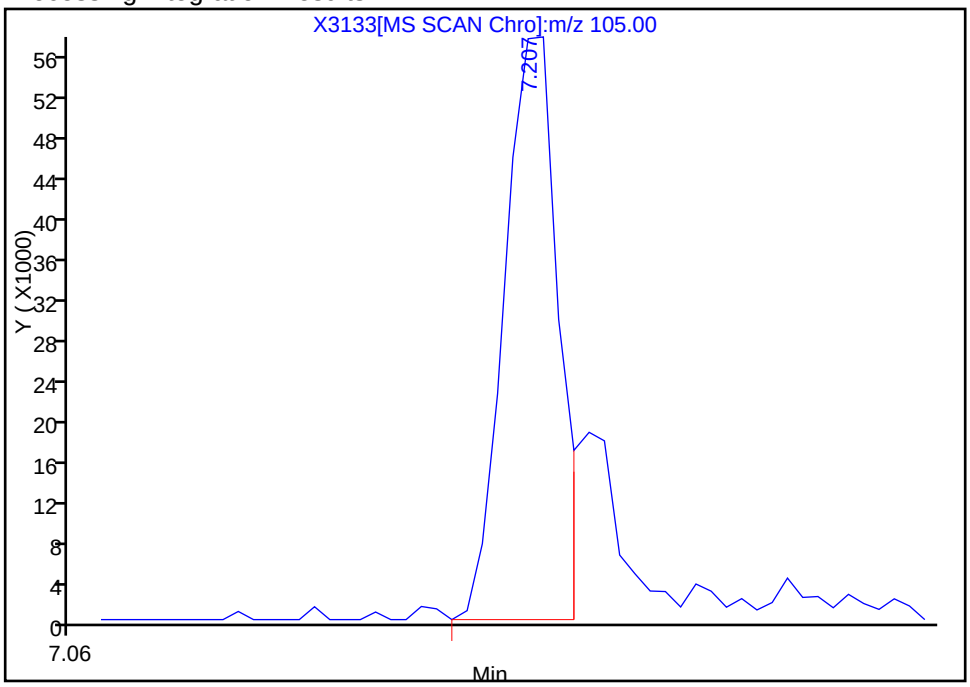
TestAmerica Buffalo

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

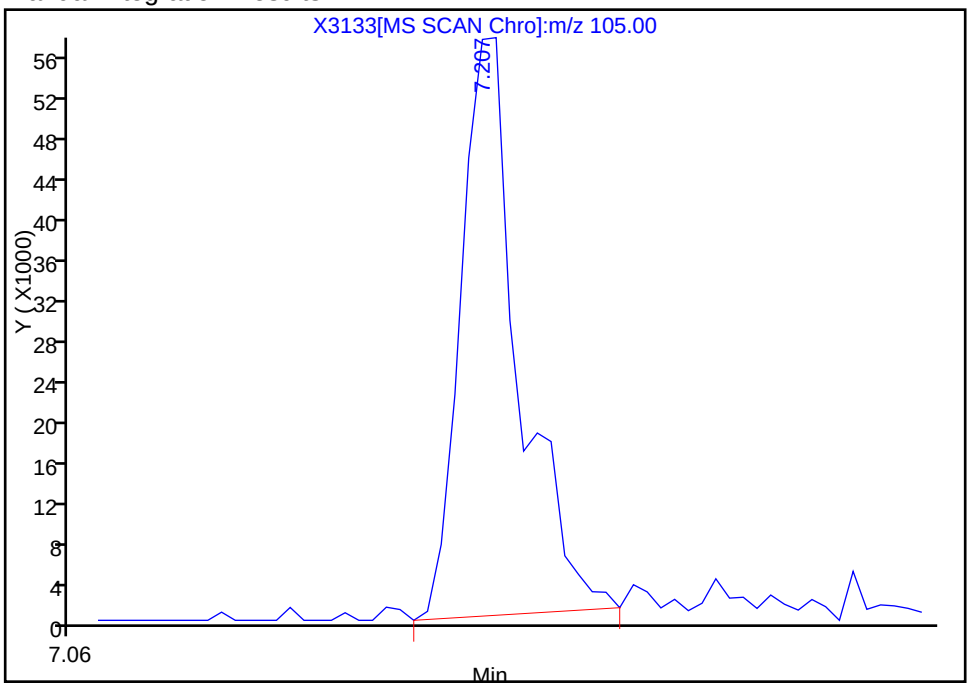
Processing Integration Results

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
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Report Date: 18-Dec-2012 16:43:03 Chrom Revision: 2.0 22-Oct-2012 16:30:48

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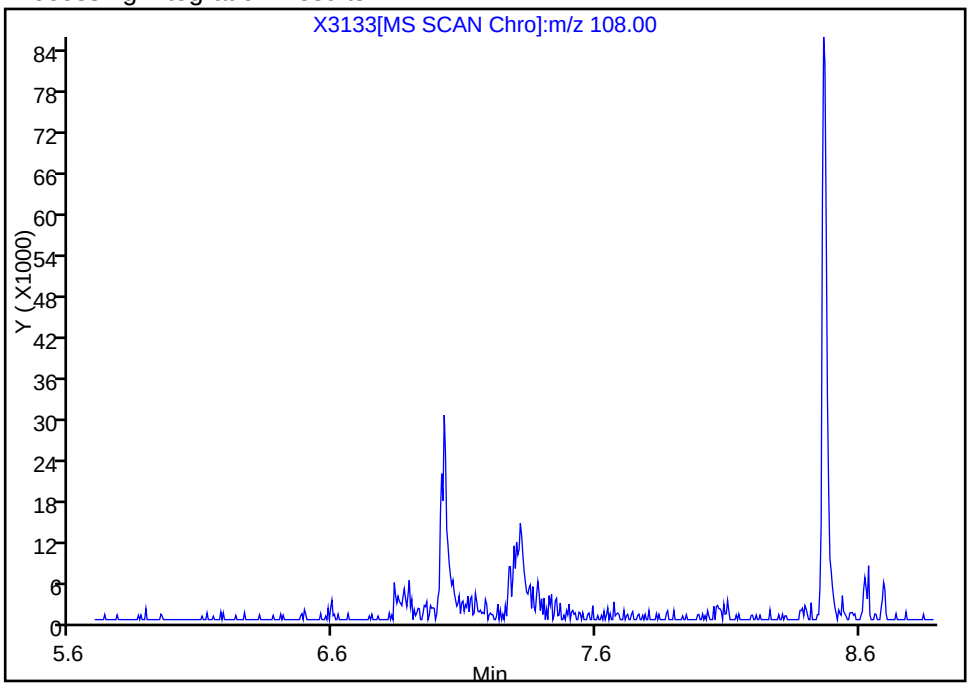
TestAmerica Buffalo

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

36 4-Methylphenol, Signal: 1, m/z: 108.0 Type: quant, RT: 7.29

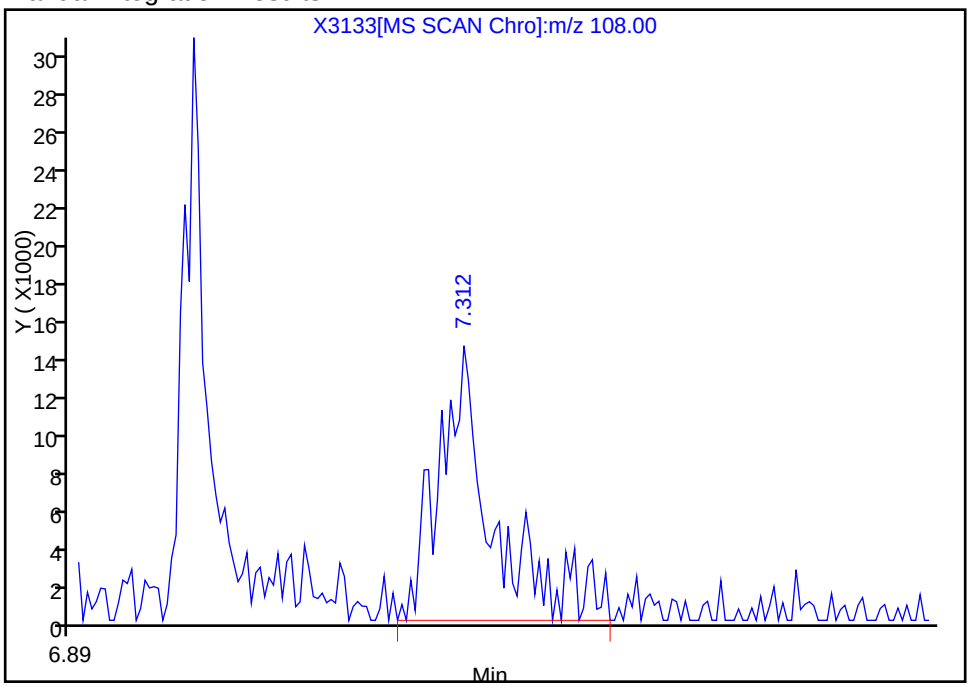
Processing Integration Results

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
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Manual Integration/User Assign Peak Report

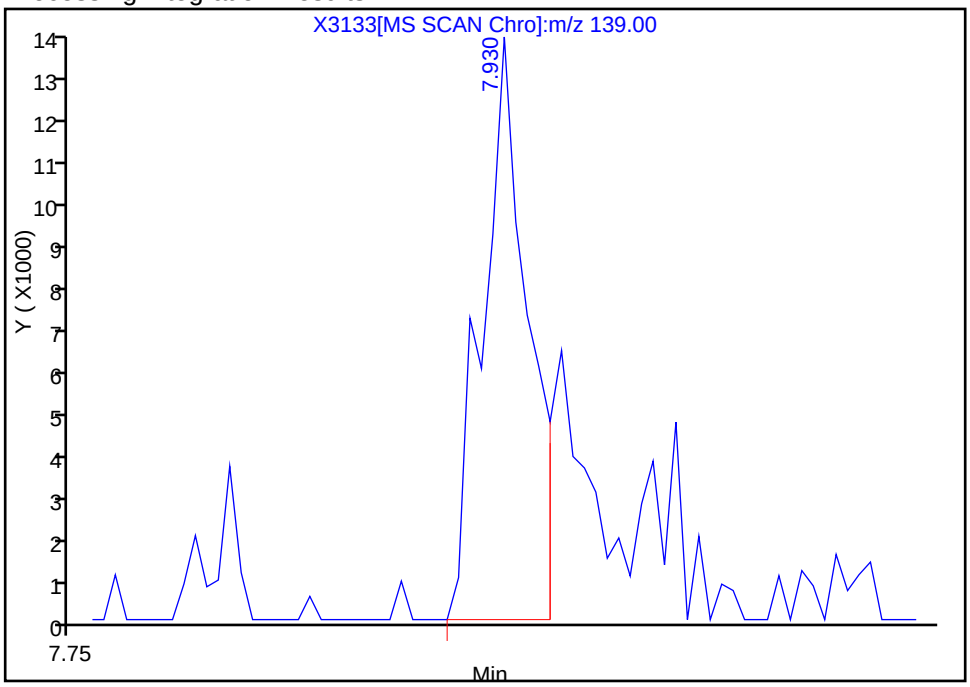
TestAmerica Buffalo

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

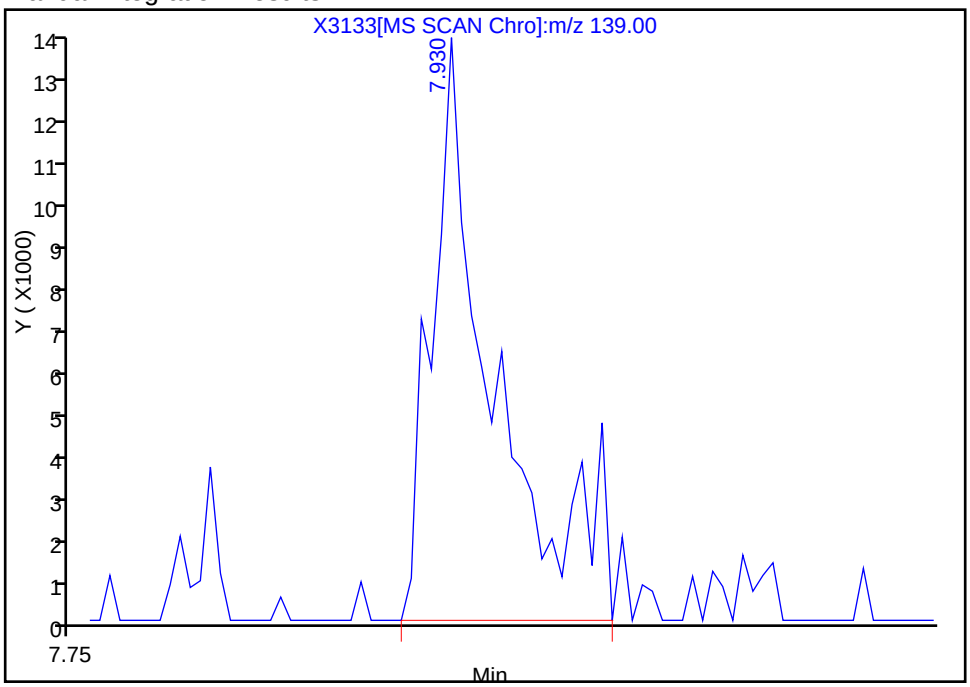
Processing Integration Results

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
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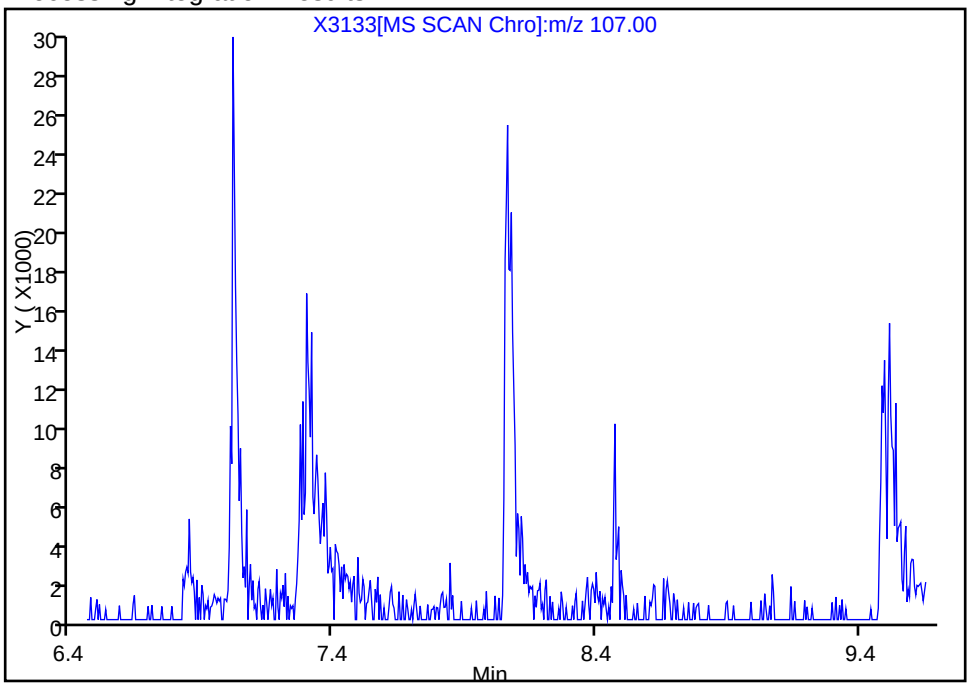
TestAmerica Buffalo

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

43 2,4-Dimethylphenol, Signal: 1, m/z: 107.0 Type: quant, RT: 8.06

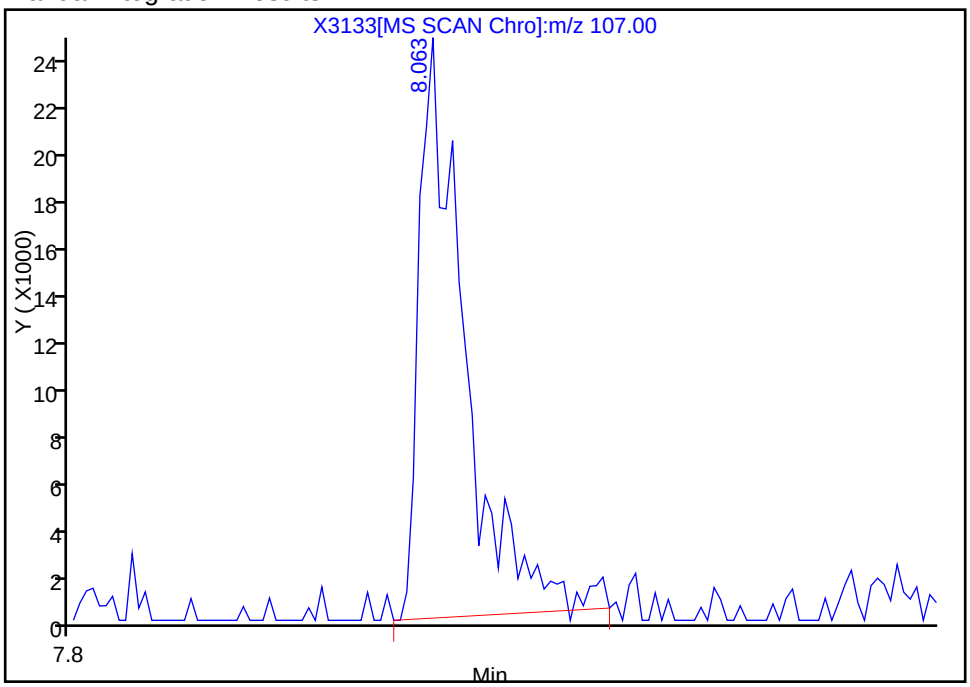
Processing Integration Results

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
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Report Date: 18-Dec-2012 16:43:03 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

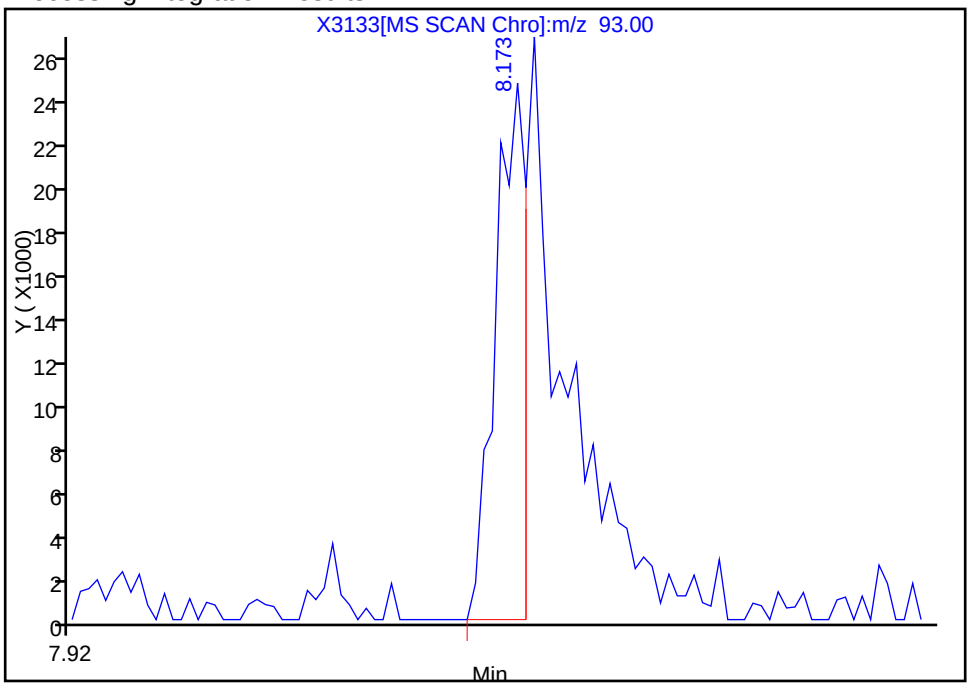
TestAmerica Buffalo

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

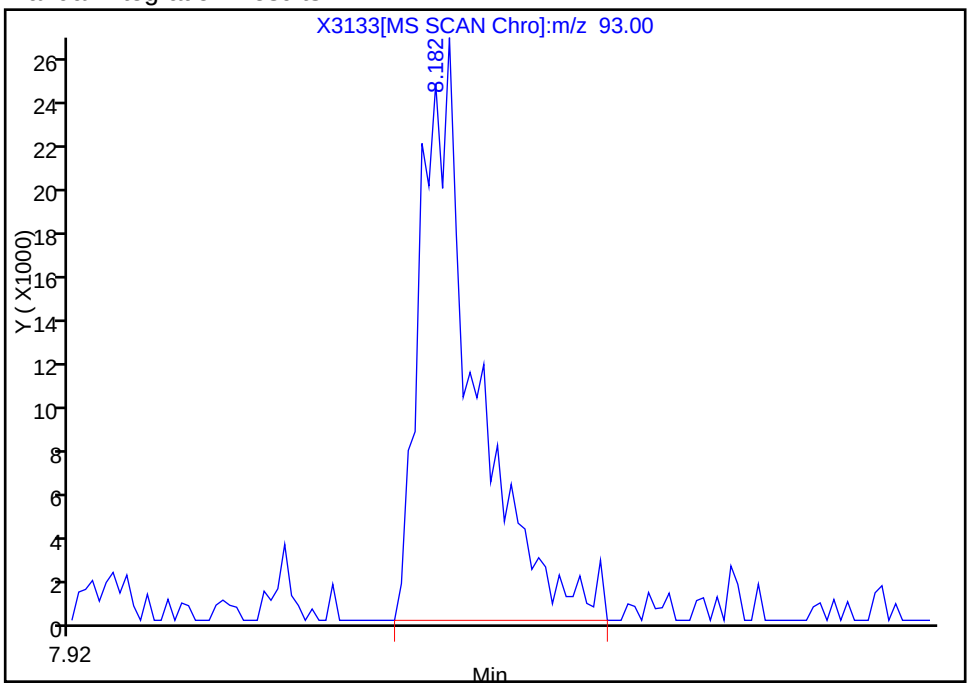
Processing Integration Results

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
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Manual Integration/User Assign Peak Report

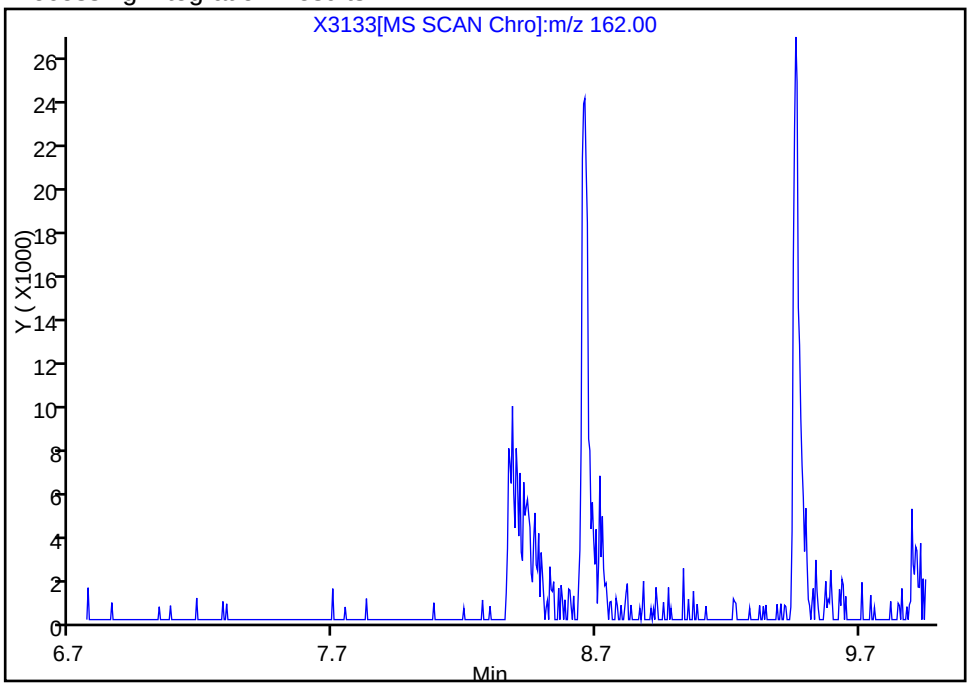
TestAmerica Buffalo

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

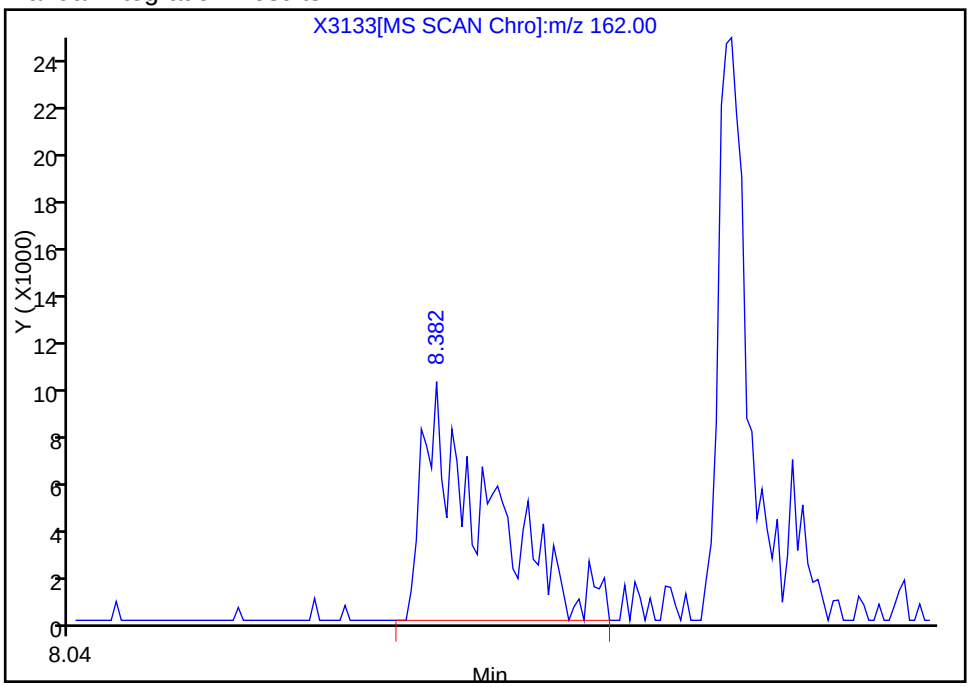
Processing Integration Results

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

Manual Integration/User Assign Peak Report

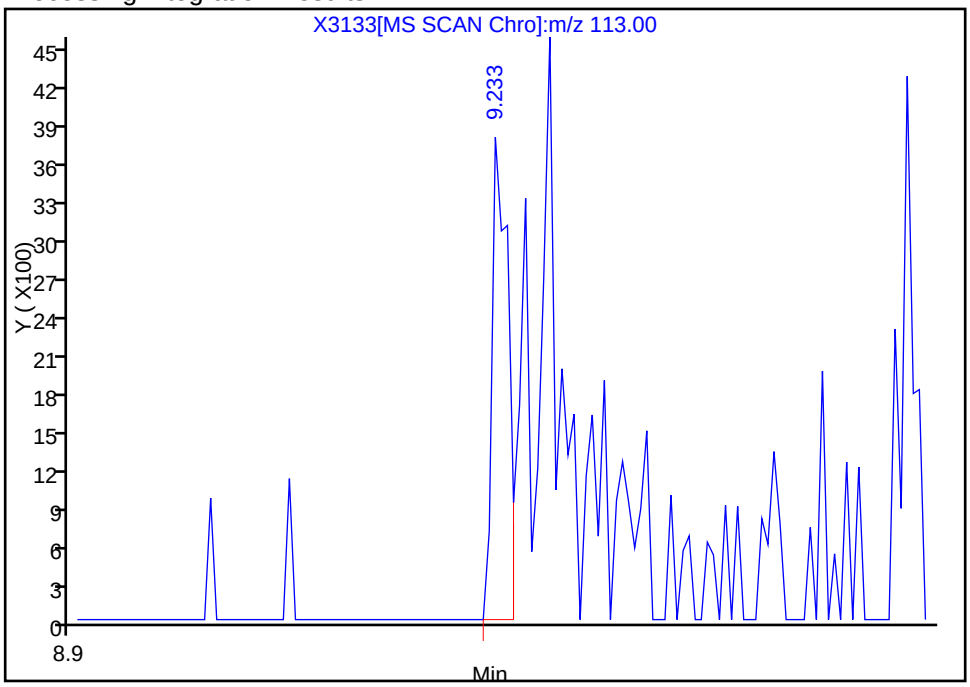
TestAmerica Buffalo

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

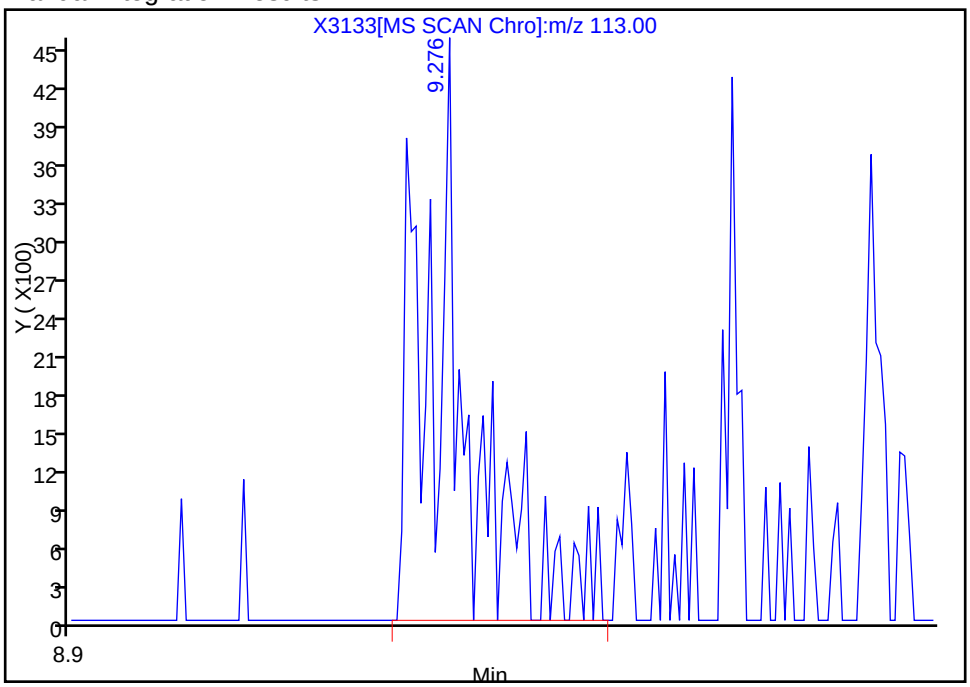
Processing Integration Results

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

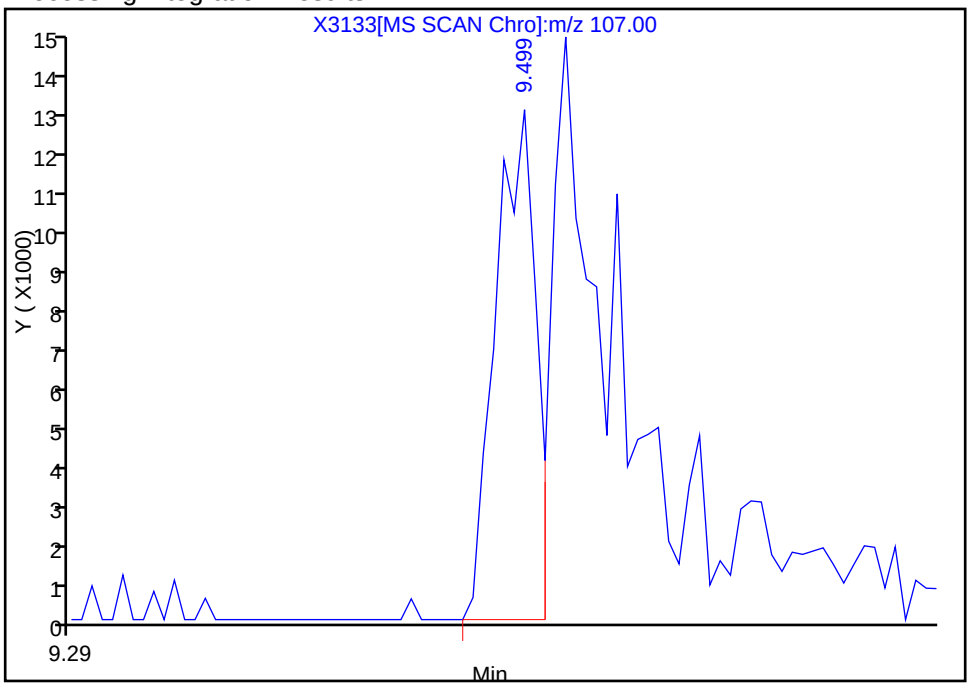
TestAmerica Buffalo

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

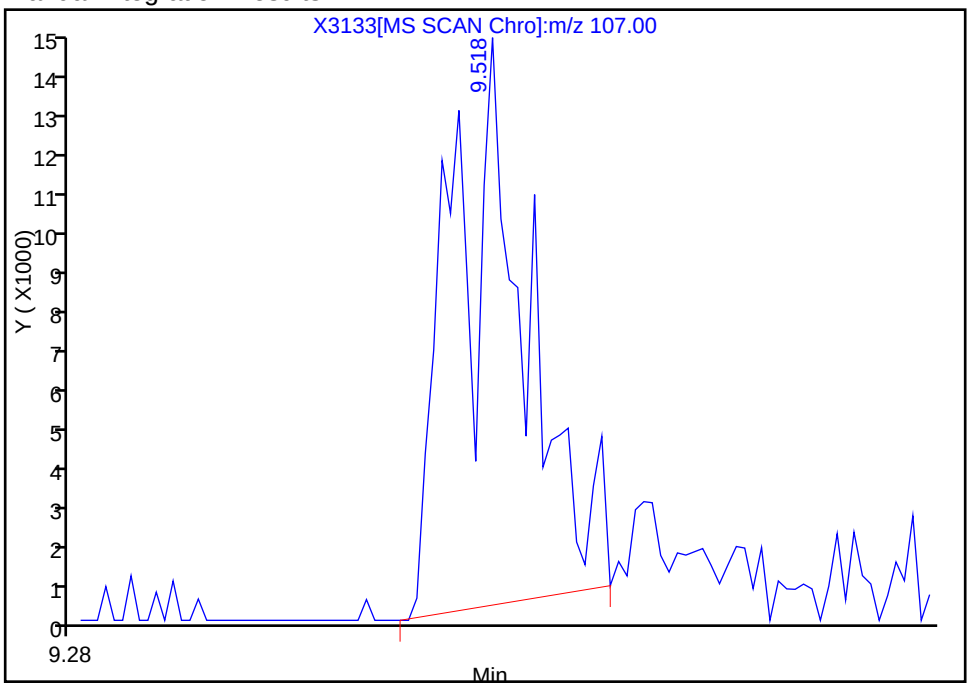
Processing Integration Results

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

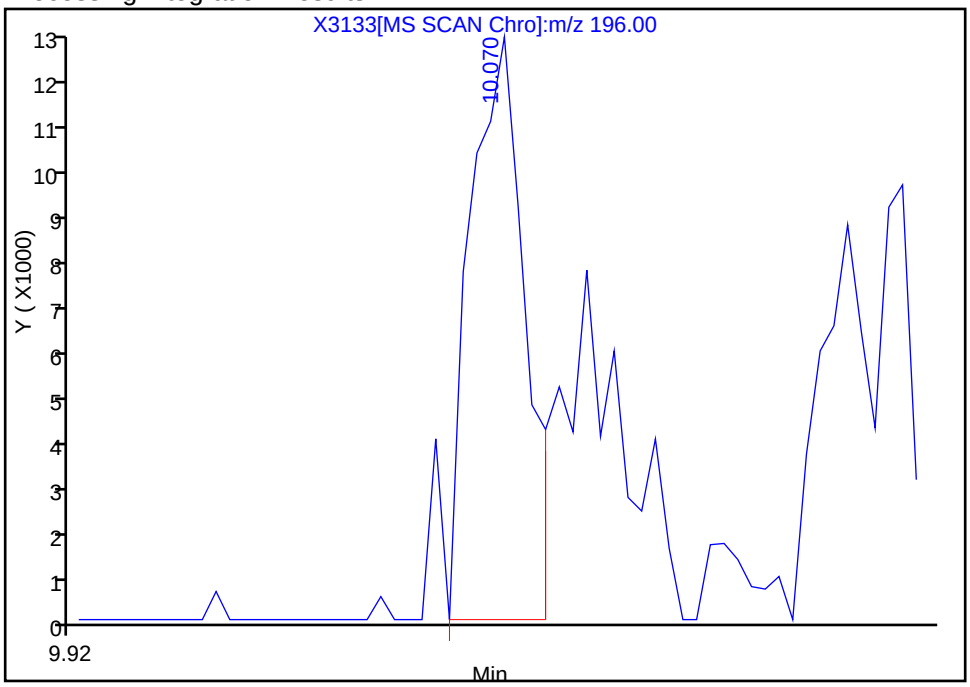
TestAmerica Buffalo

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

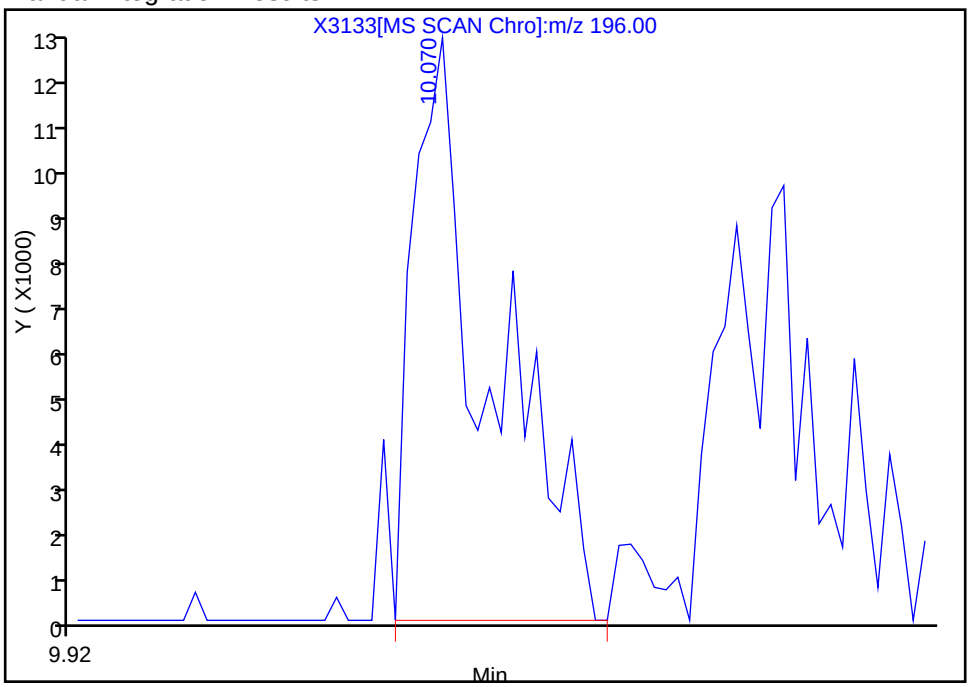
Processing Integration Results

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

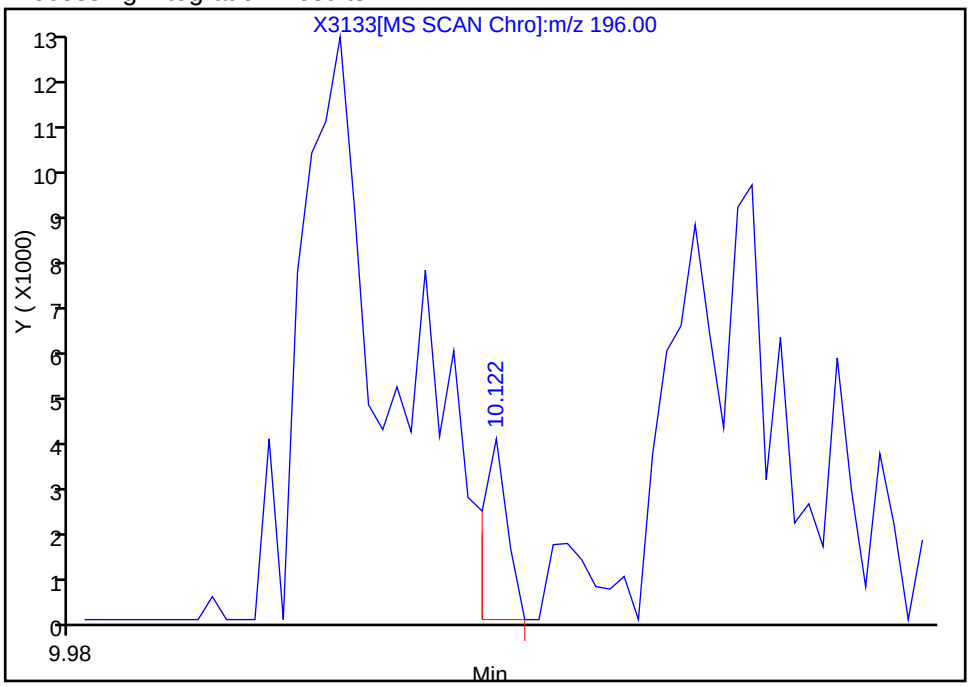
TestAmerica Buffalo

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

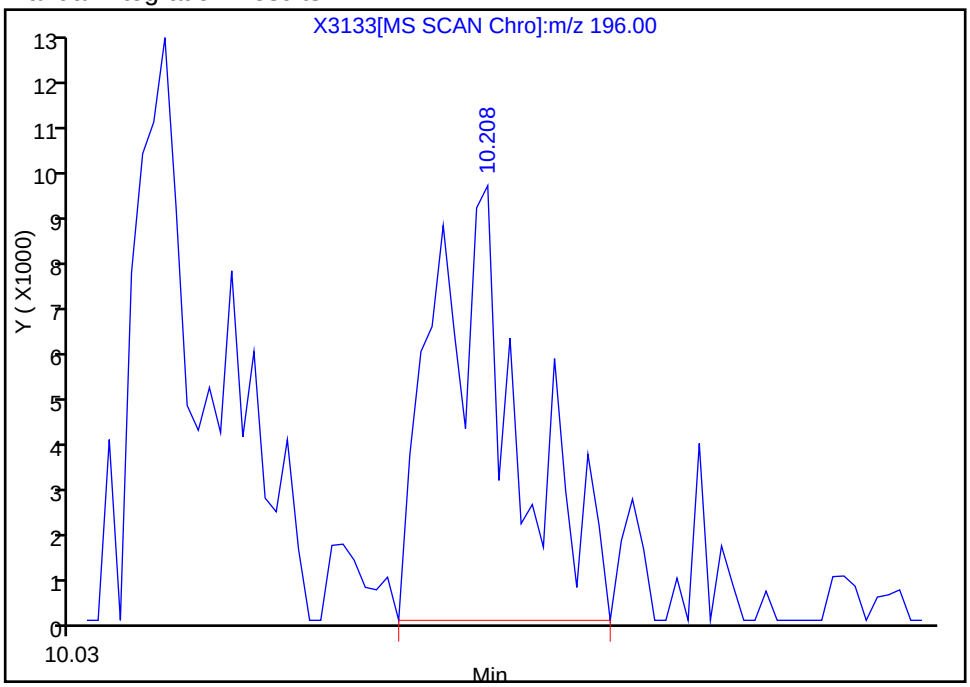
Processing Integration Results

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

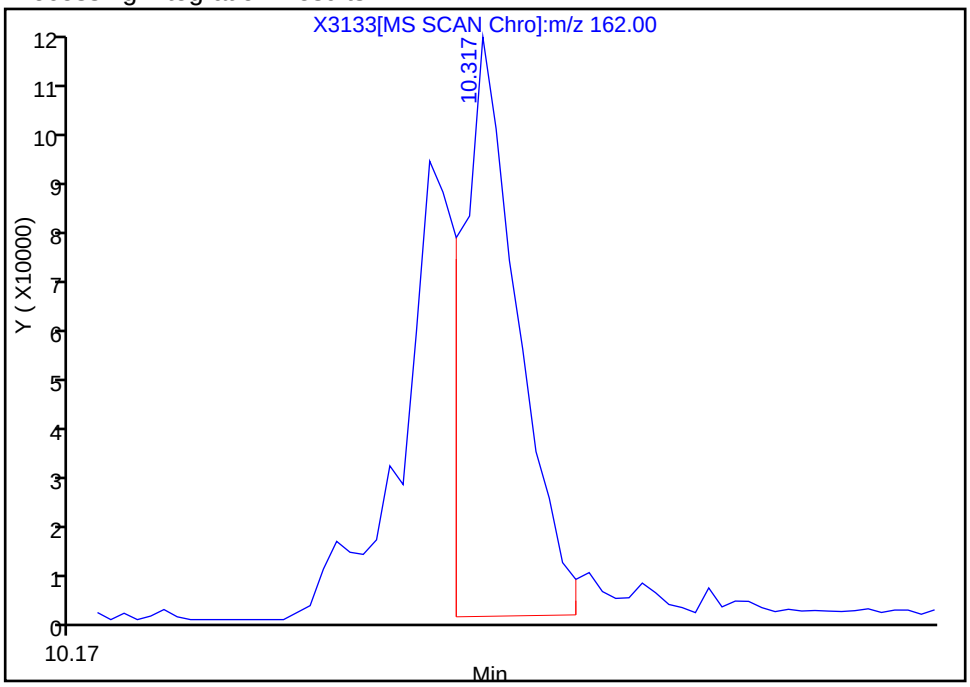
TestAmerica Buffalo

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

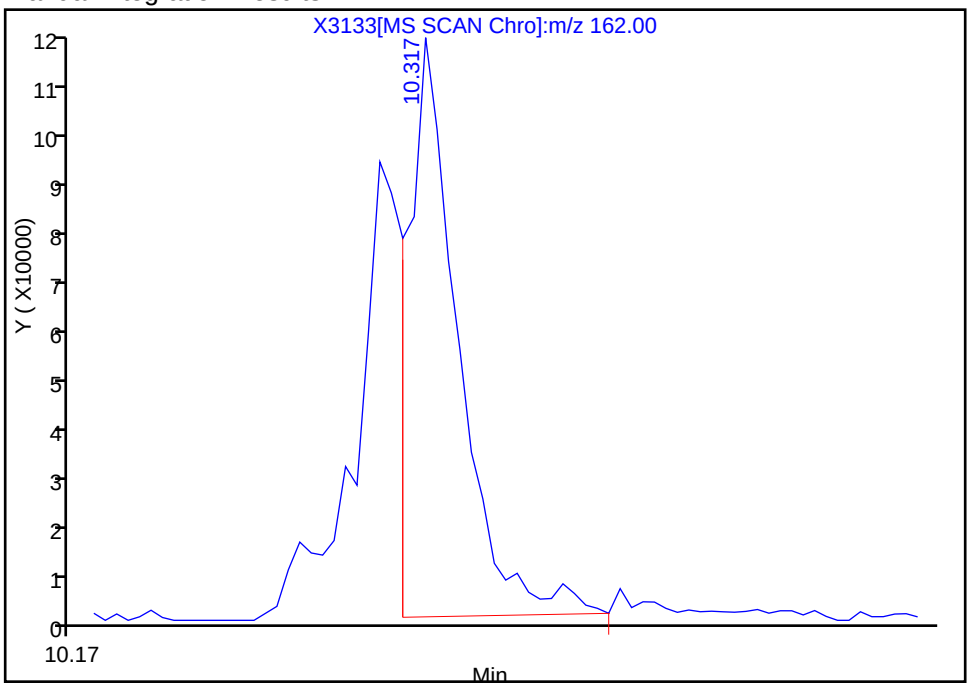
Processing Integration Results

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

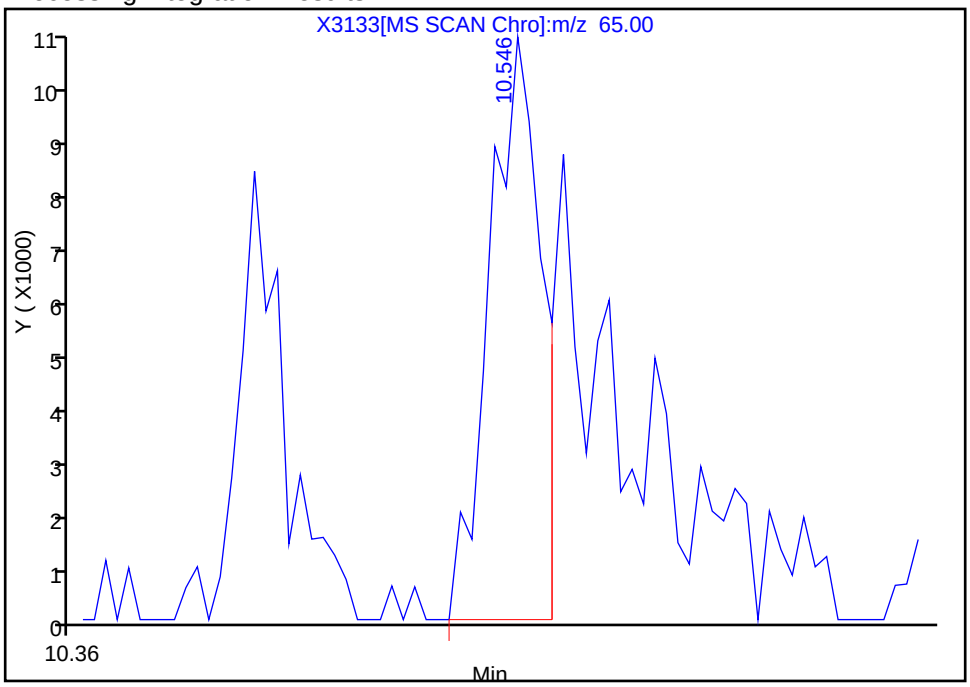
TestAmerica Buffalo

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

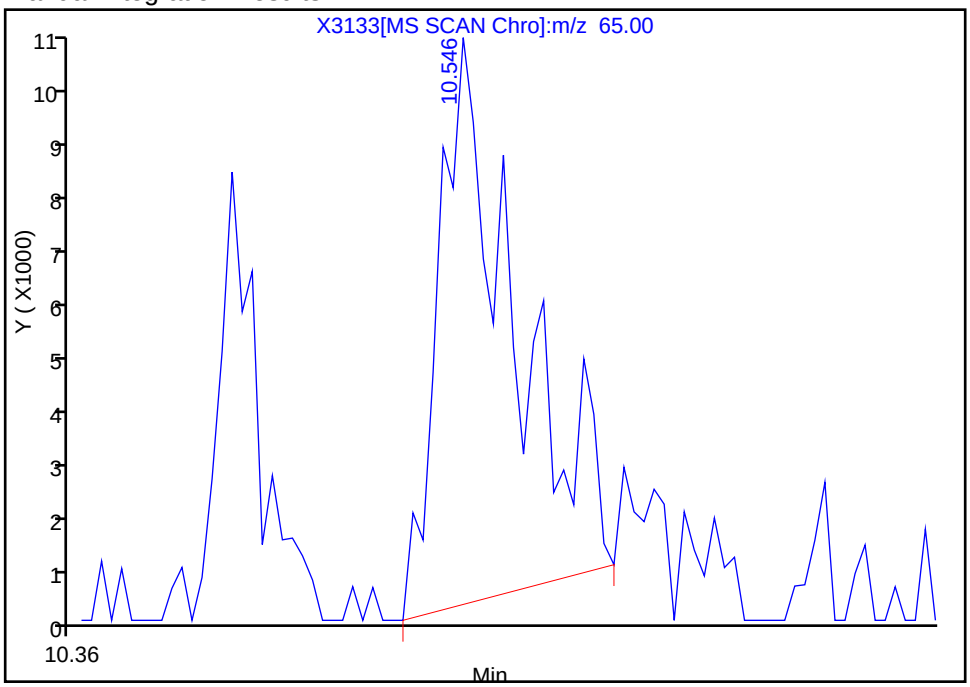
Processing Integration Results

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

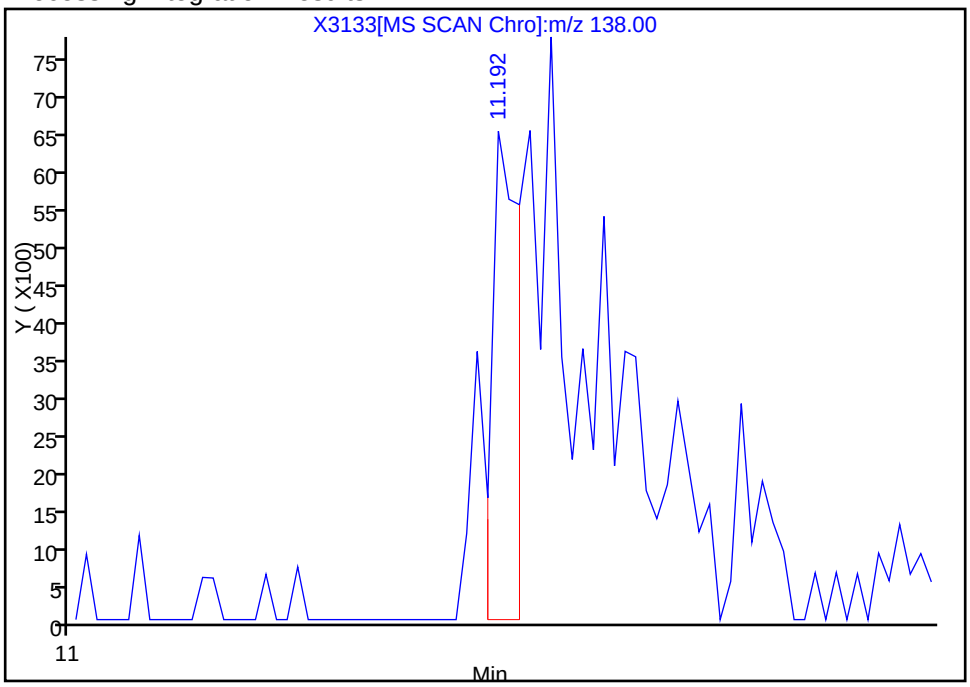
TestAmerica Buffalo

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

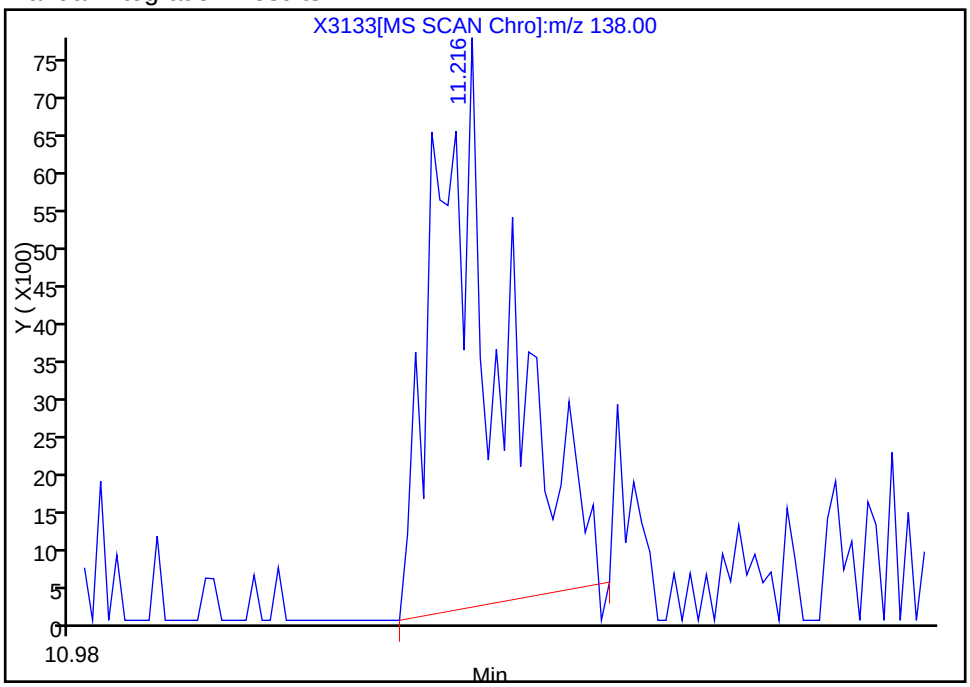
Processing Integration Results

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

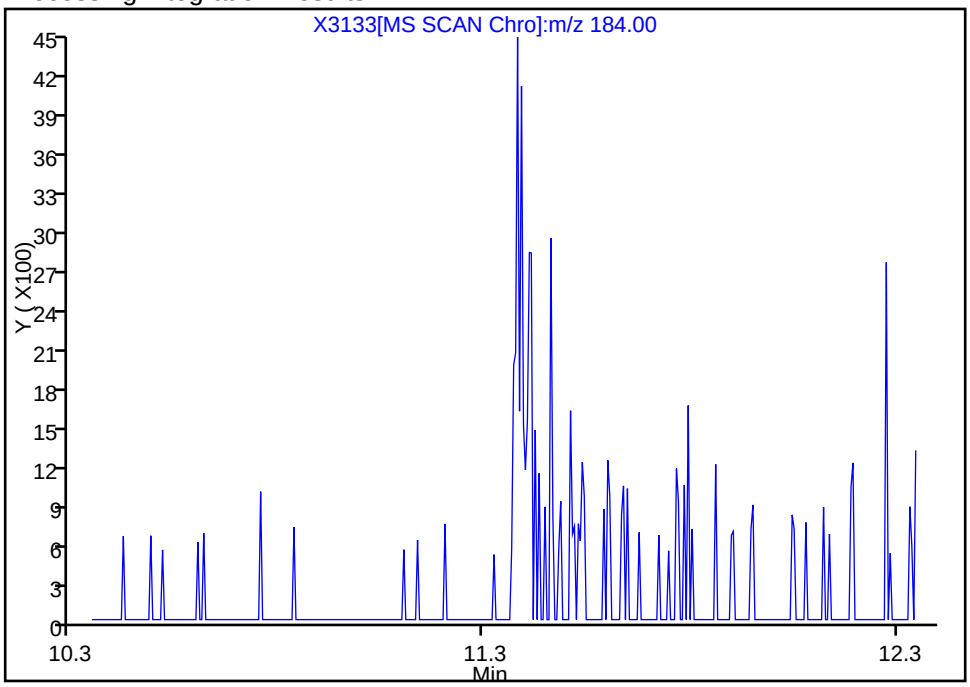
TestAmerica Buffalo

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

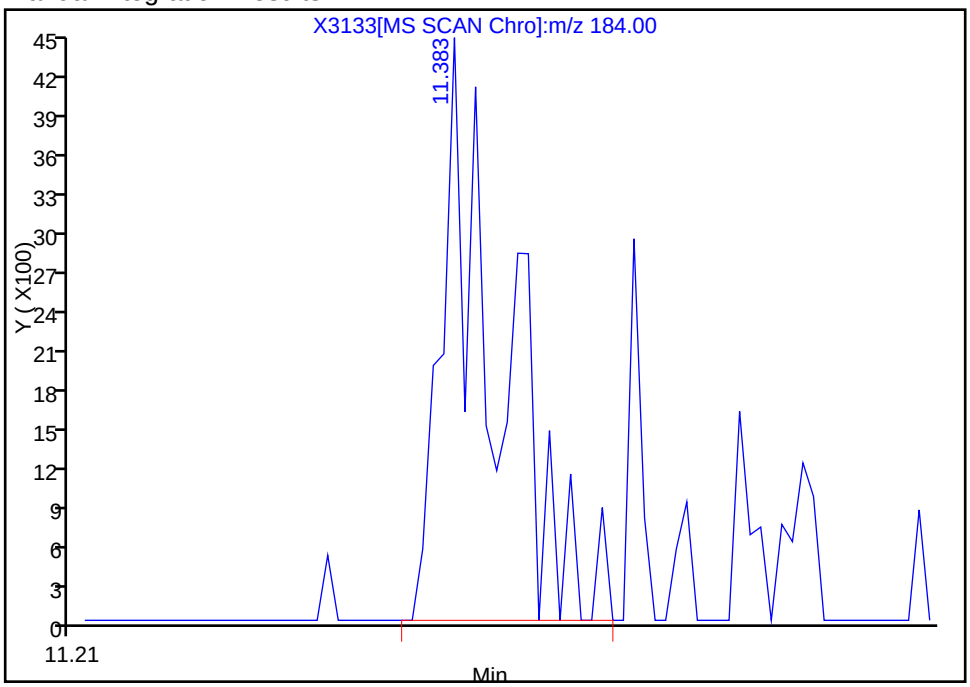
Processing Integration Results

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

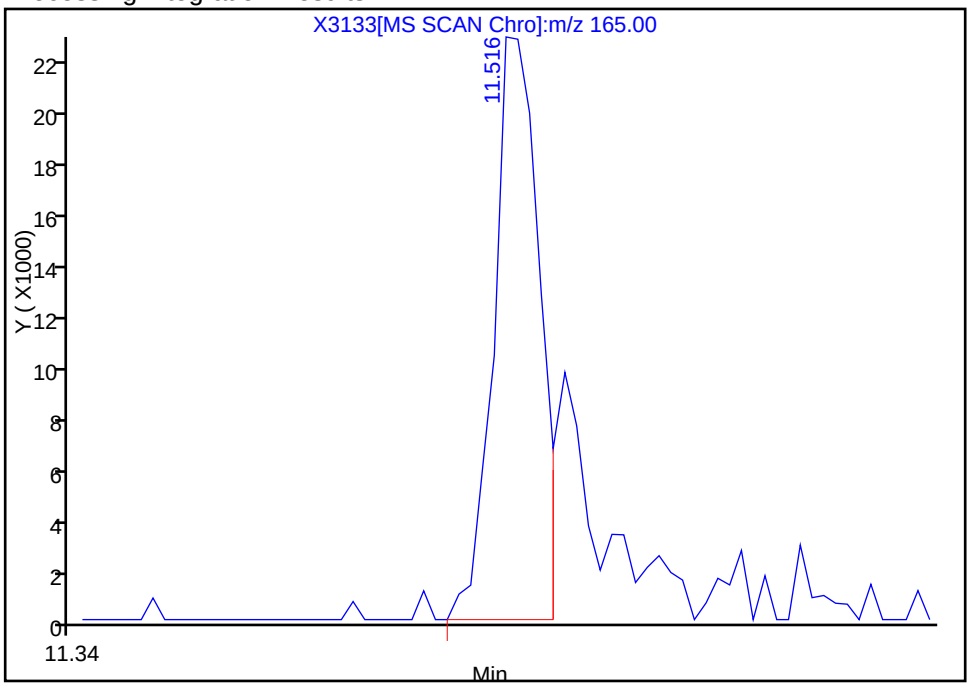
TestAmerica Buffalo

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

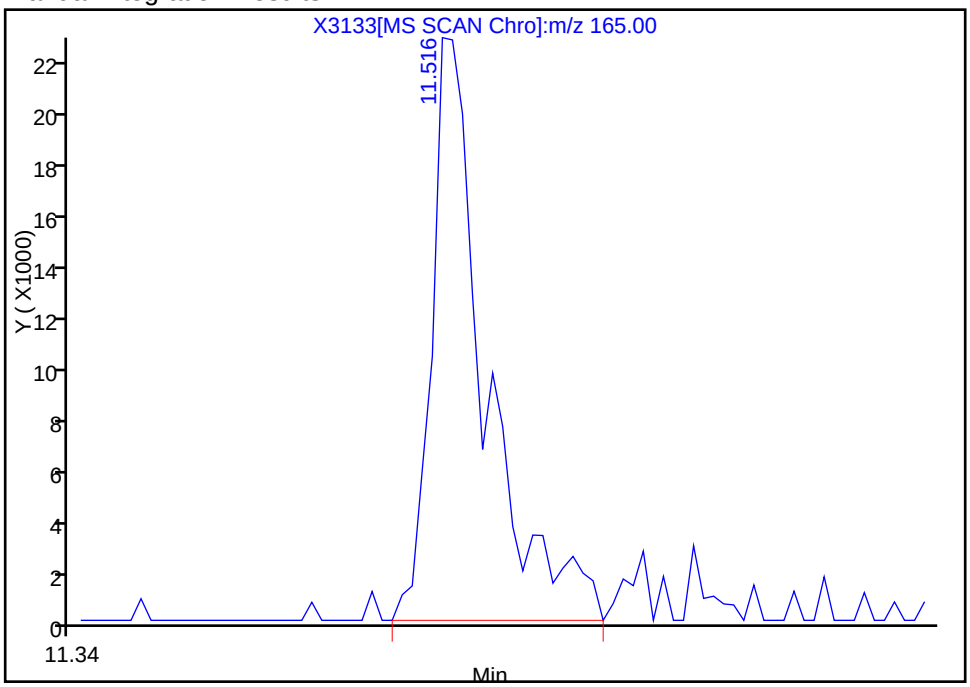
Processing Integration Results

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

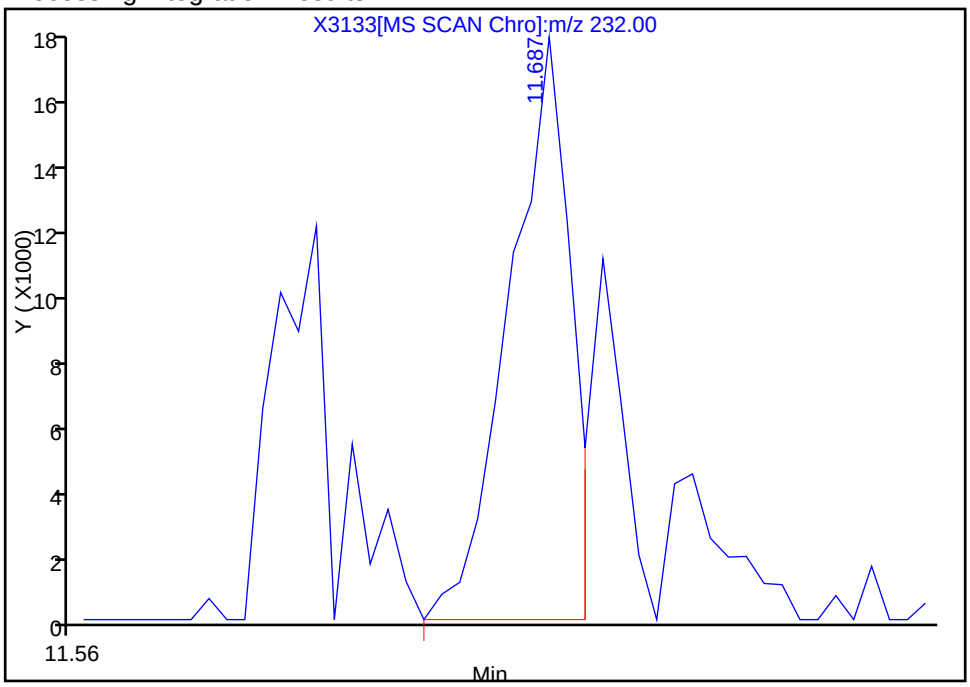
TestAmerica Buffalo

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

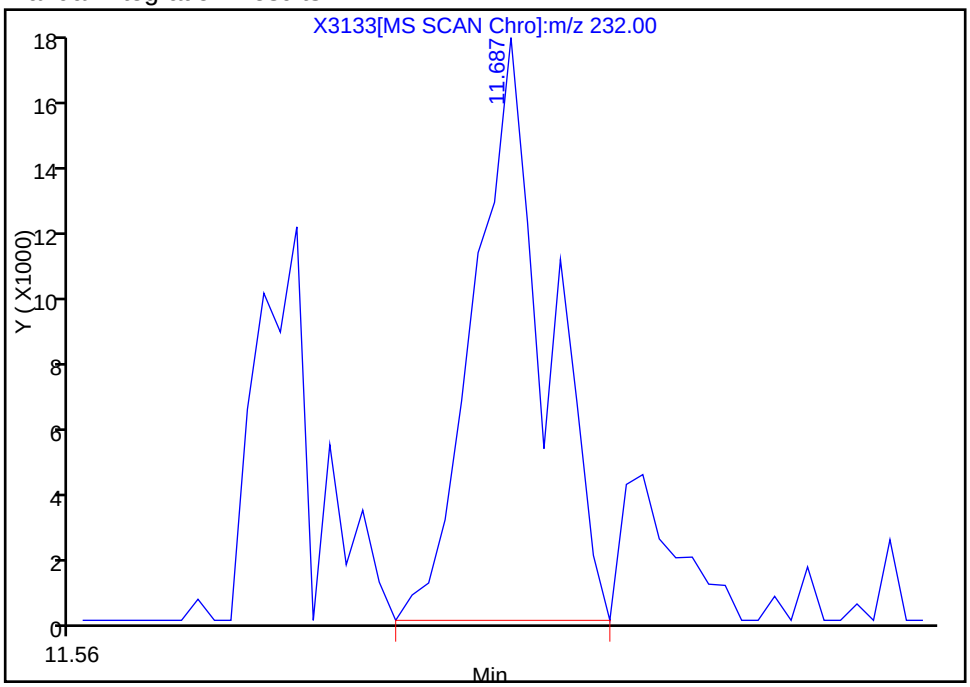
Processing Integration Results

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

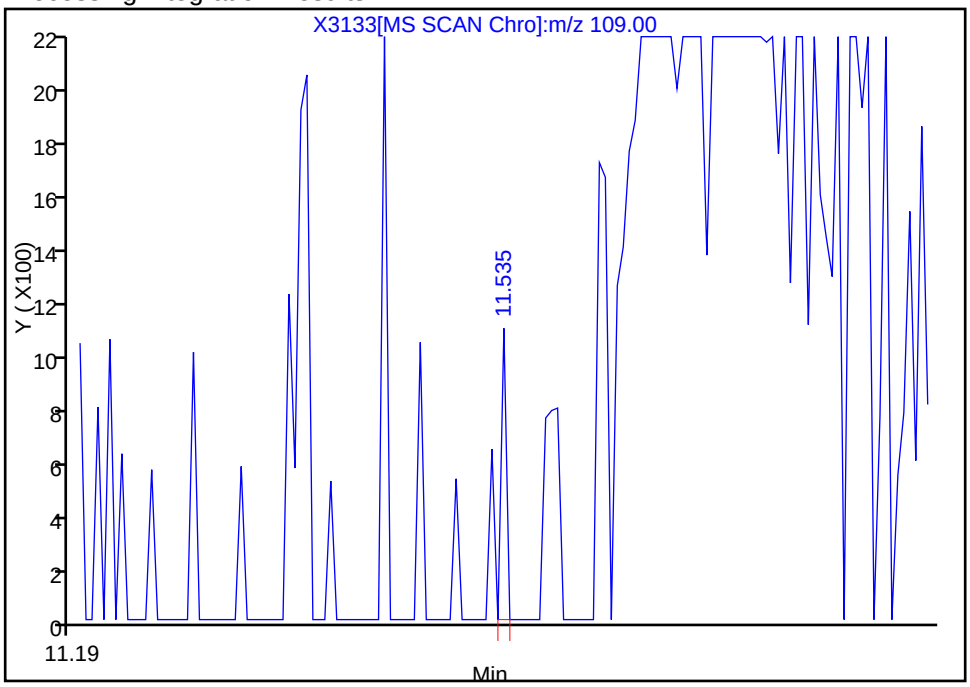
TestAmerica Buffalo

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

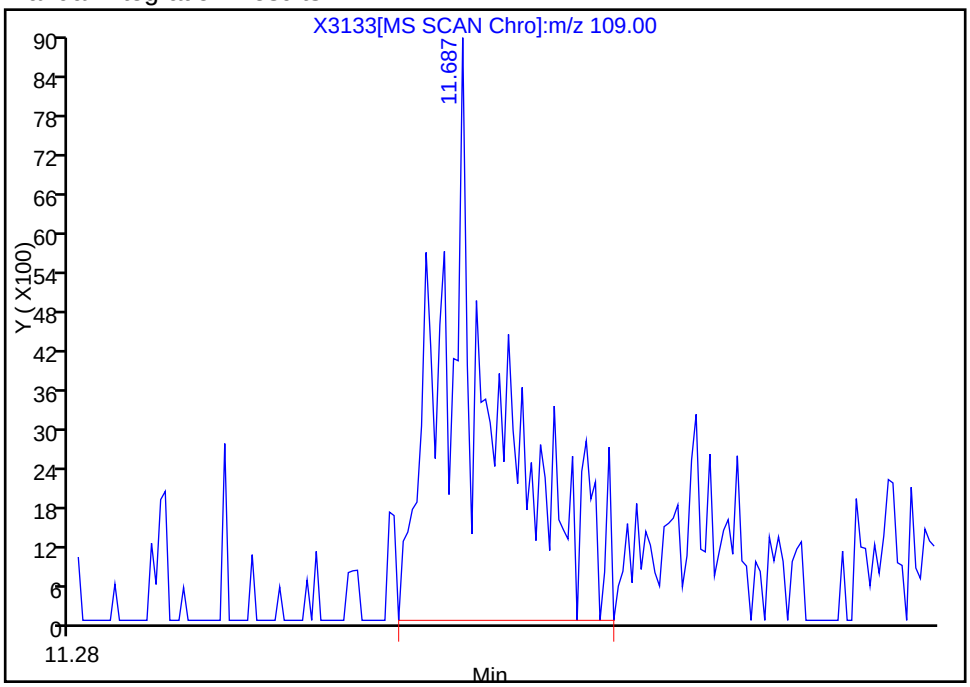
Processing Integration Results

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

Report Date: 18-Dec-2012 16:43:03 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

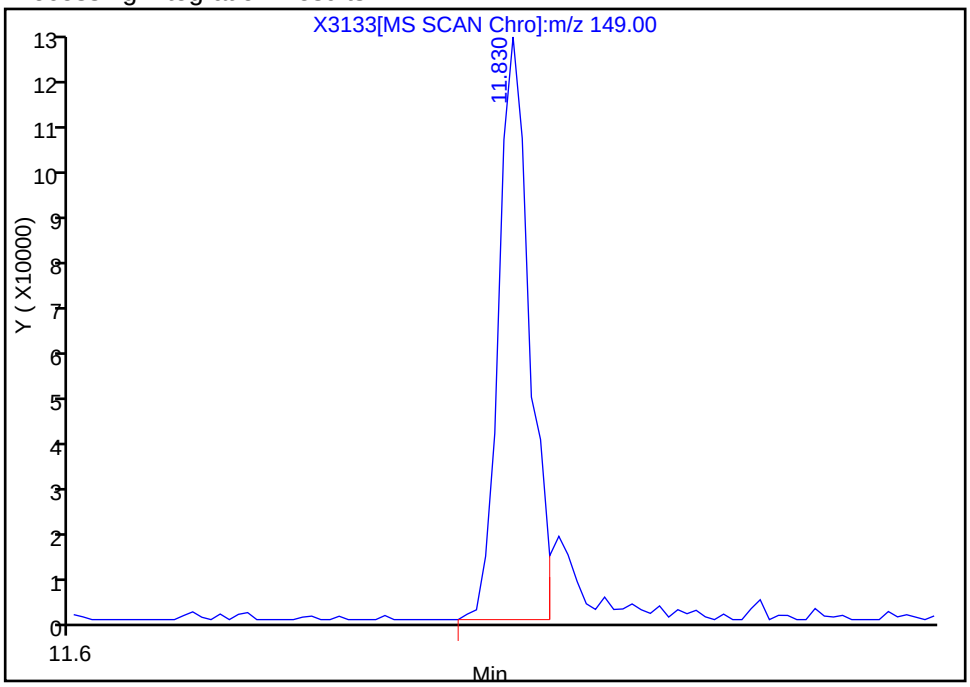
TestAmerica Buffalo

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

78 Diethyl phthalate, Signal: 1, m/z: 149.0 Type: quant, RT: 11.82

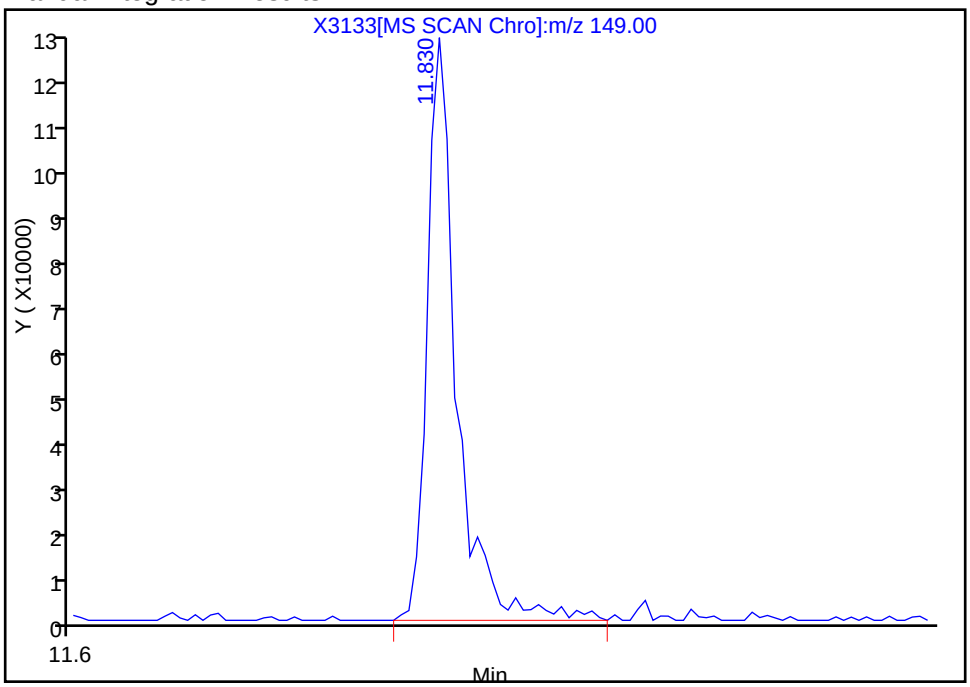
Processing Integration Results

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

Manual Integration/User Assign Peak Report

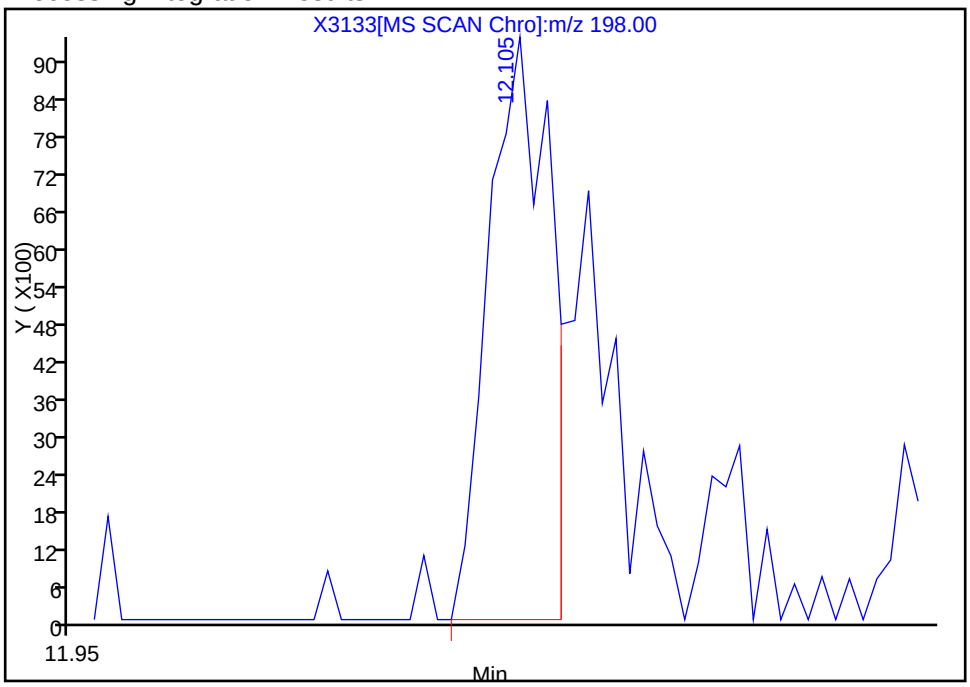
TestAmerica Buffalo

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

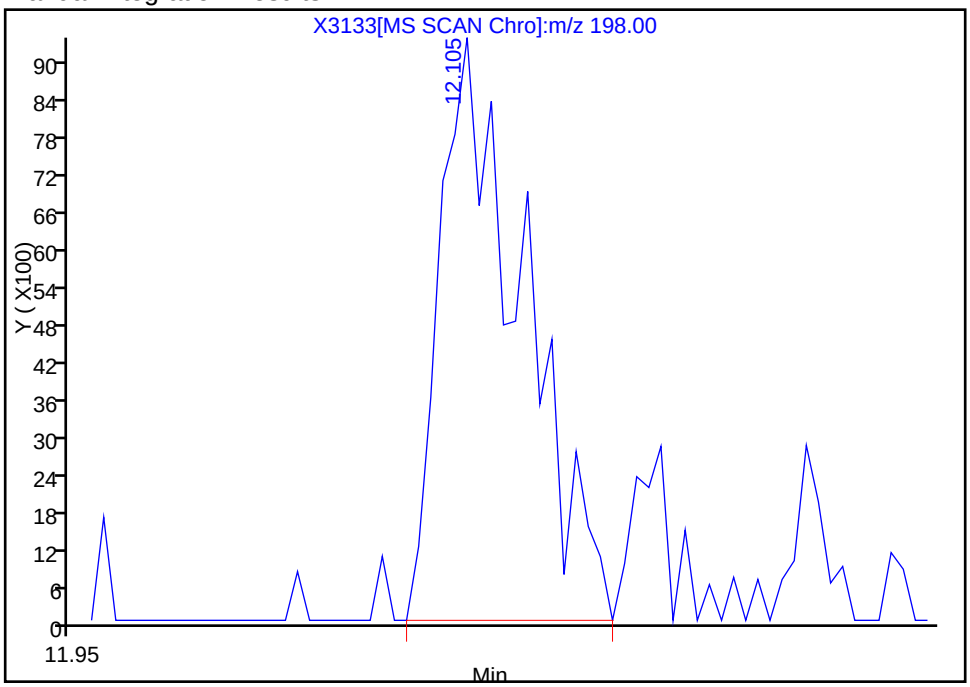
Processing Integration Results

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

Report Date: 18-Dec-2012 16:43:03 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

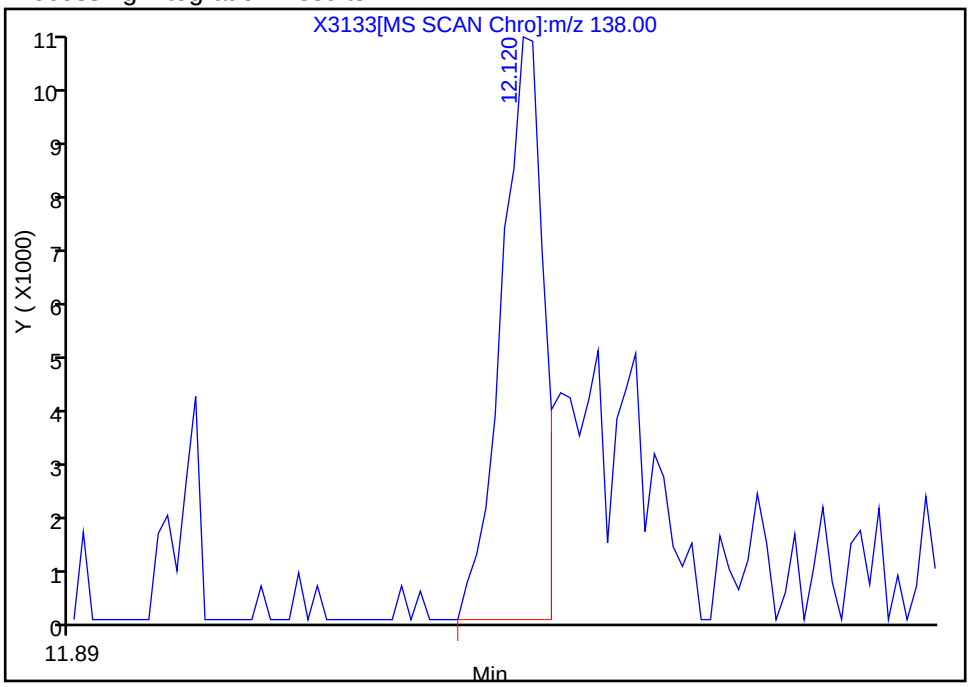
TestAmerica Buffalo

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

81 4-Nitroaniline, Signal: 1, m/z: 138.0 Type: quant, RT: 12.07

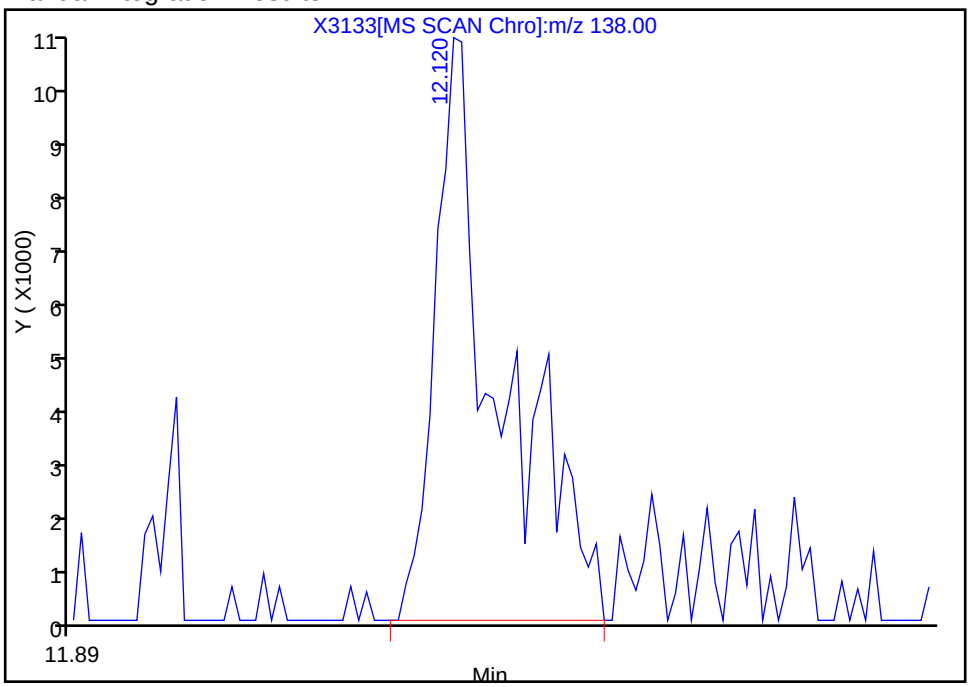
Processing Integration Results

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

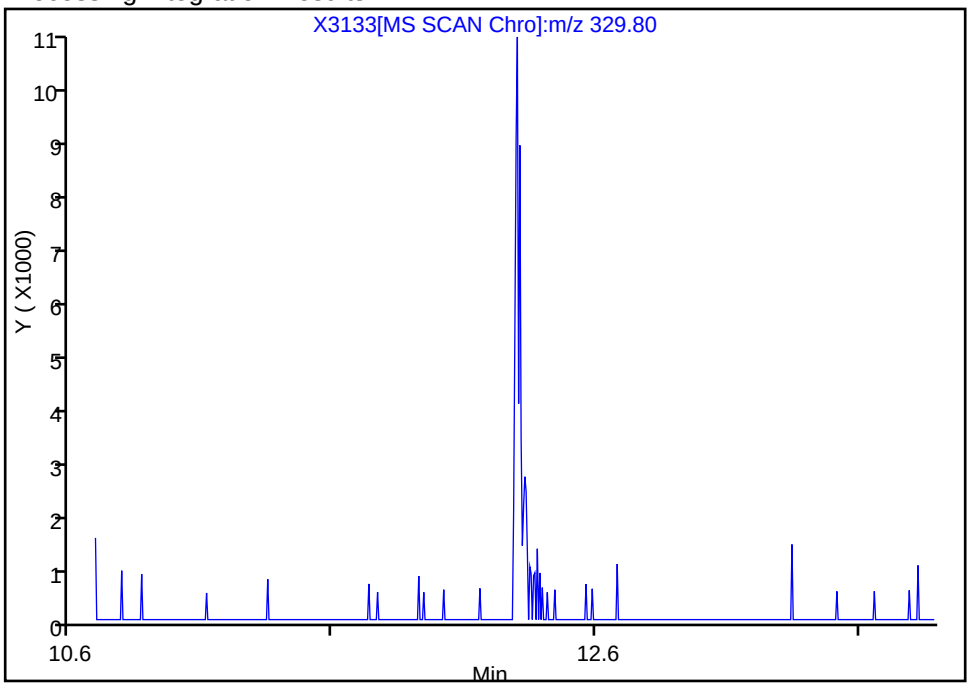
TestAmerica Buffalo

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

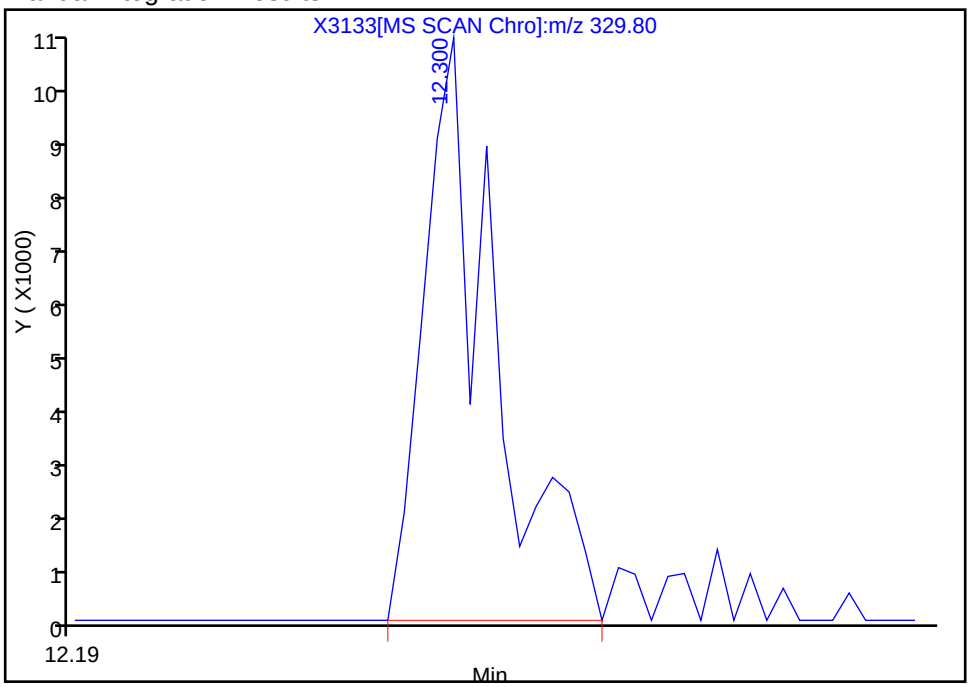
Processing Integration Results

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

Report Date: 18-Dec-2012 16:43:03 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

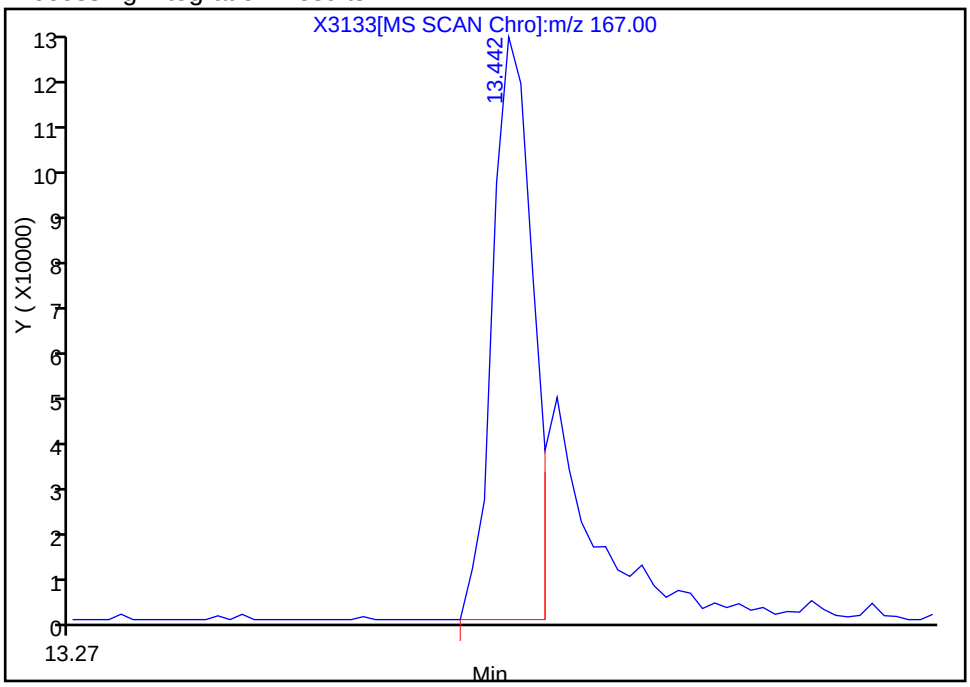
TestAmerica Buffalo

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

99 Carbazole, Signal: 1, m/z: 167.0 Type: quant, RT: 13.43

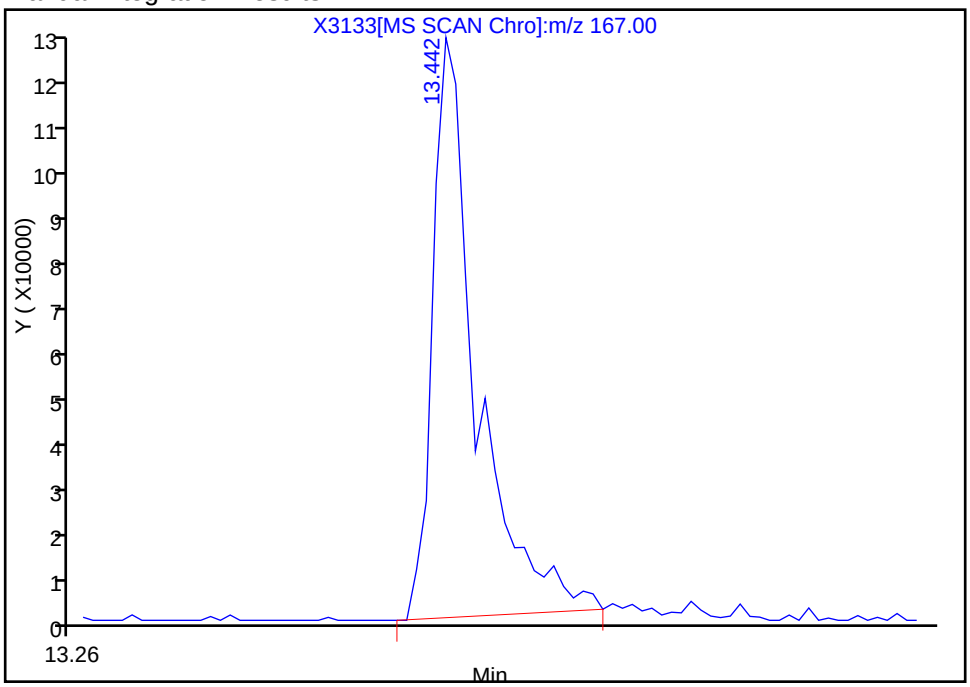
Processing Integration Results

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

Report Date: 18-Dec-2012 16:43:03 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

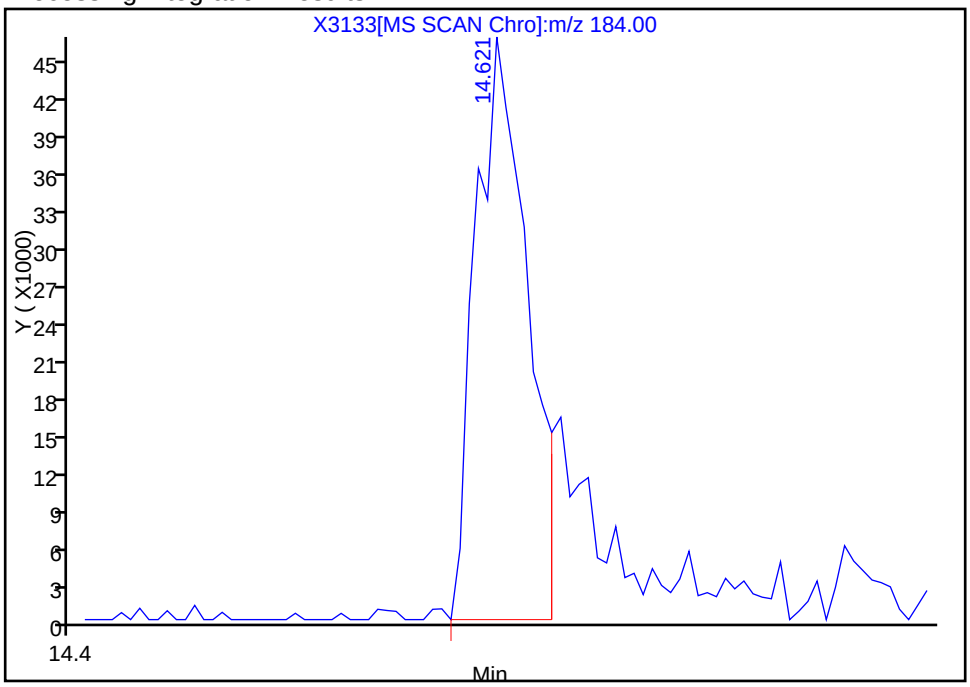
TestAmerica Buffalo

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

105 Benzidine, Signal: 1, m/z: 184.0 Type: quant, RT: 14.60

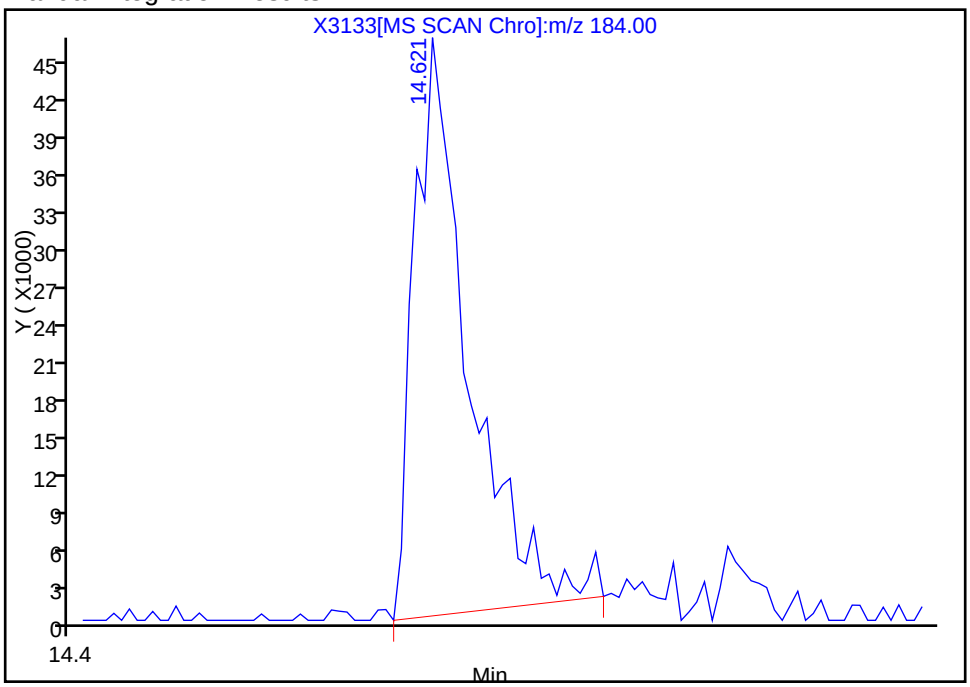
Processing Integration Results

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

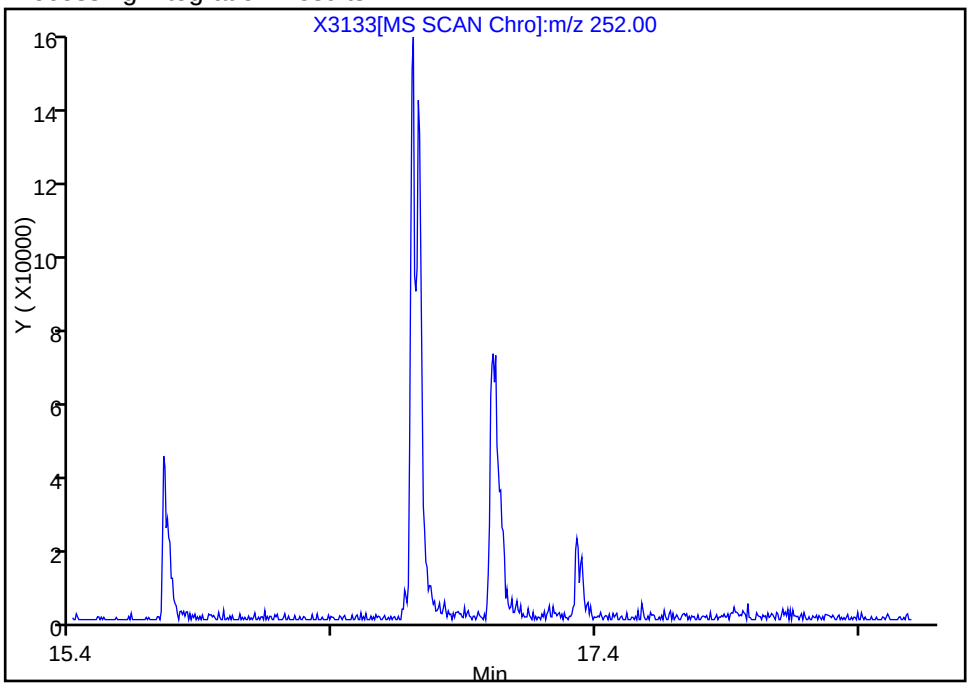
TestAmerica Buffalo

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

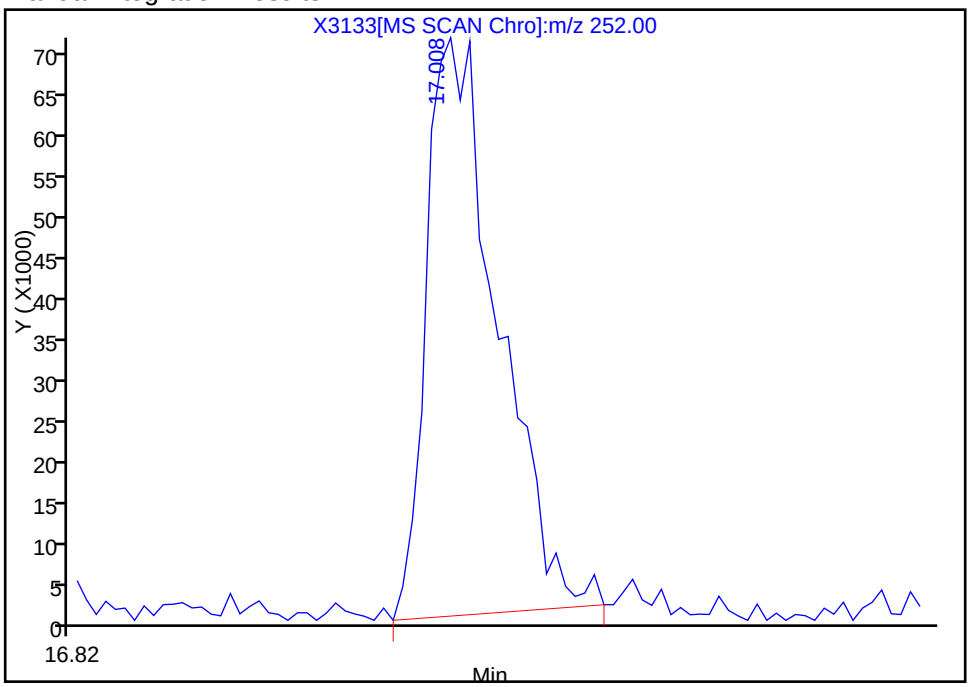
Processing Integration Results

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

Report Date: 18-Dec-2012 16:43:04 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

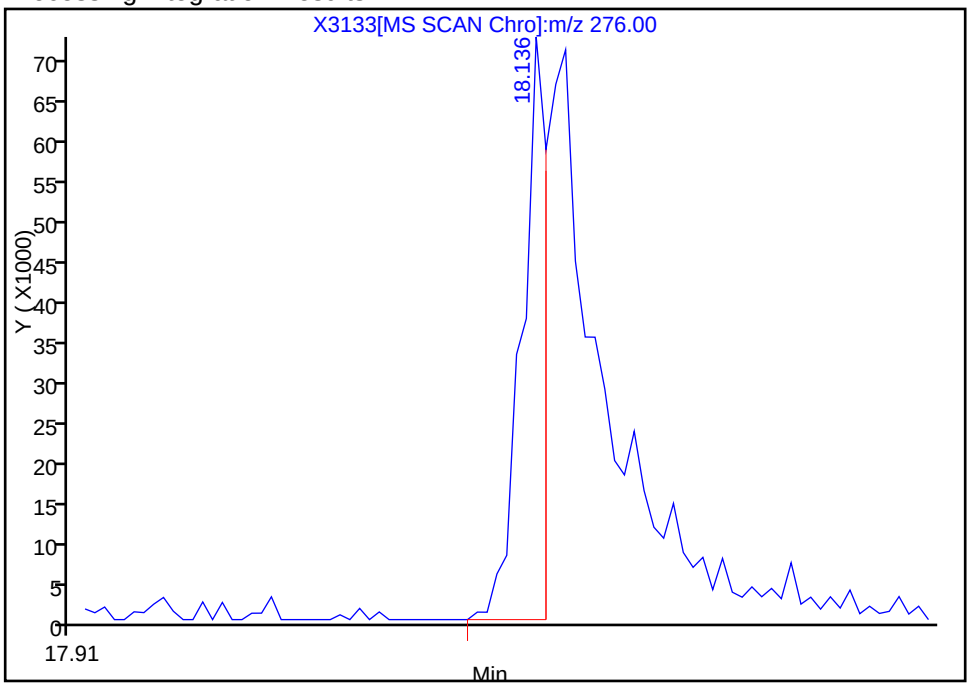
TestAmerica Buffalo

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

117 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 18.15

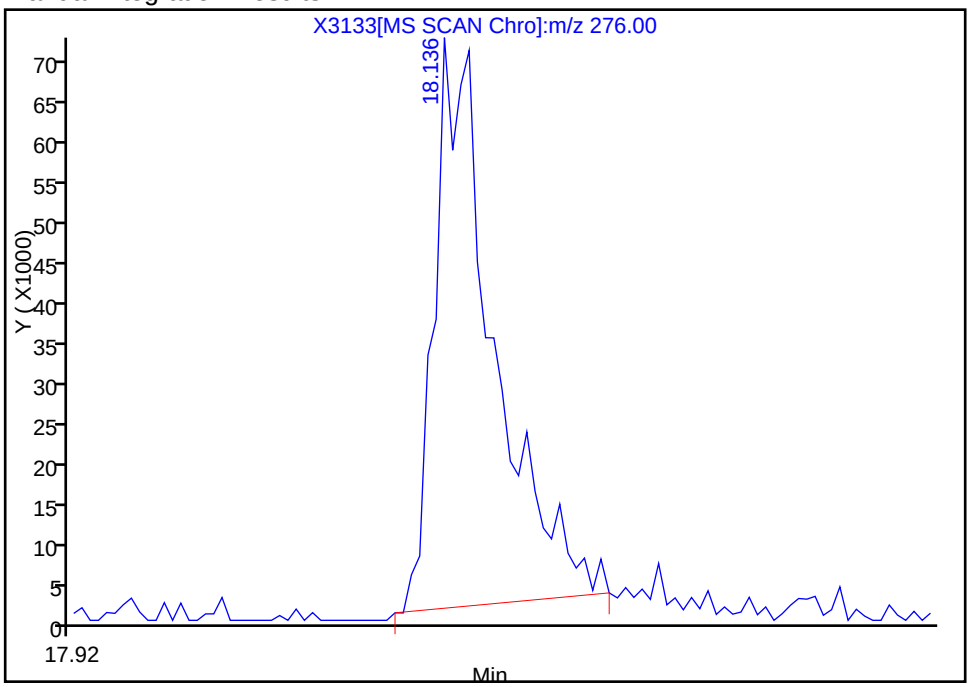
Processing Integration Results

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

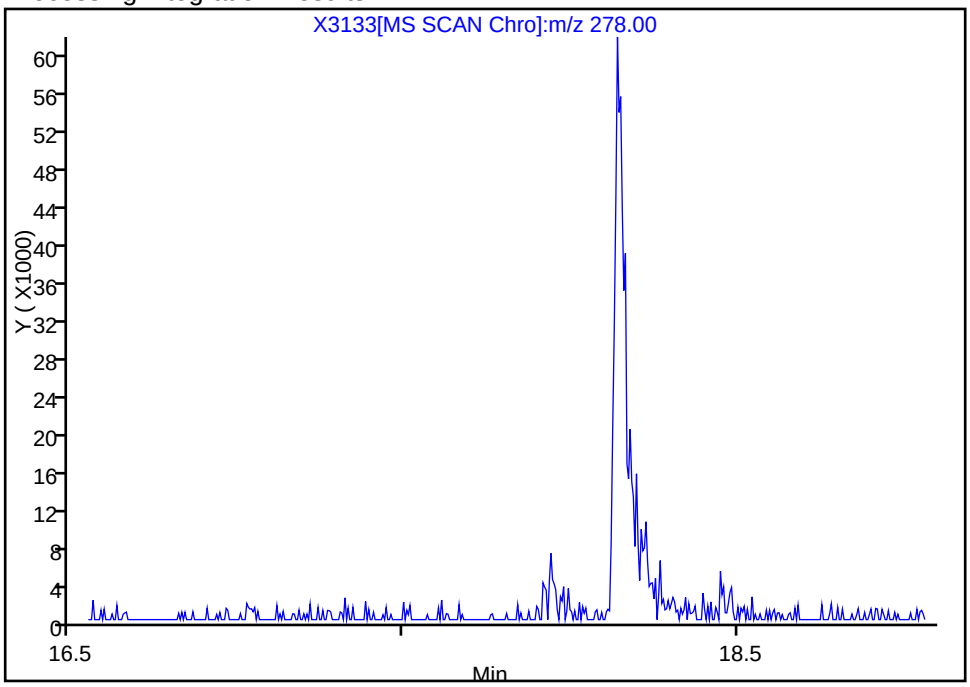
TestAmerica Buffalo

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

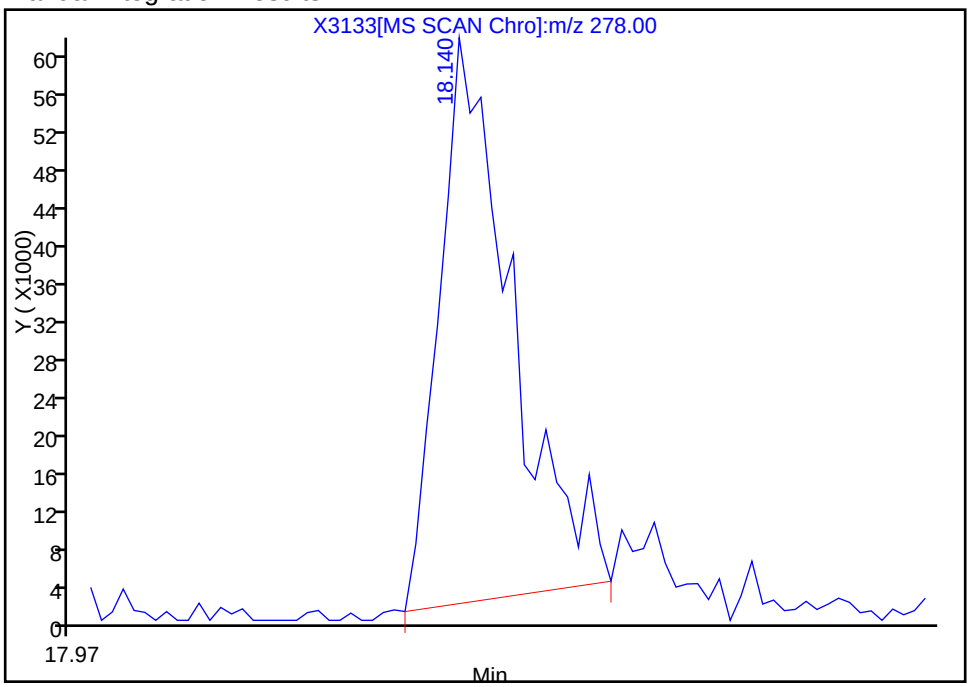
Processing Integration Results

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

Report Date: 18-Dec-2012 16:43:04 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

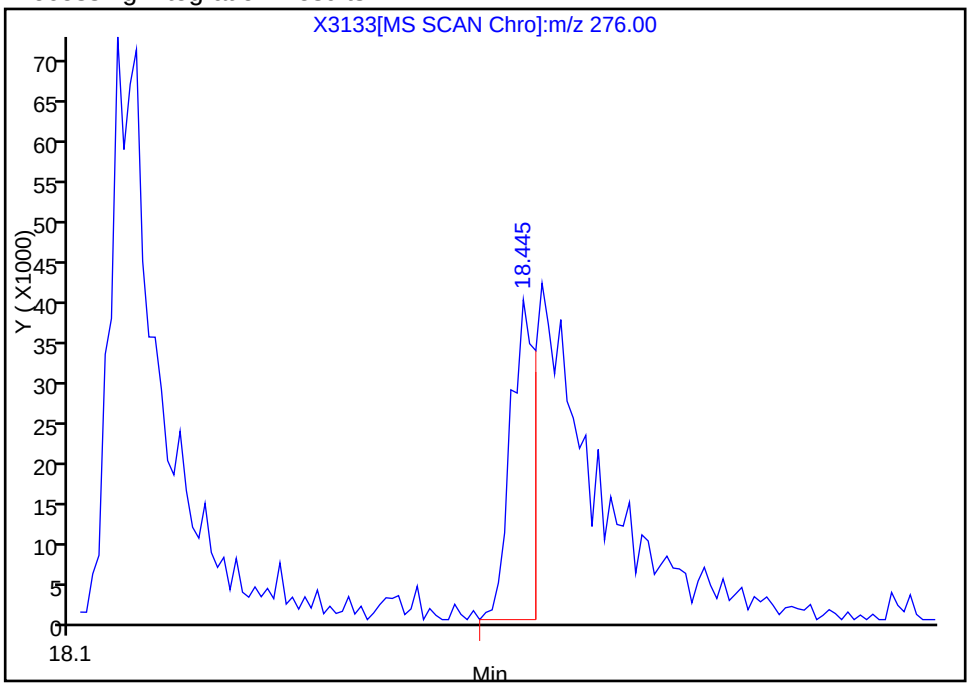
TestAmerica Buffalo

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

119 Benzo[g,h,i]perylene, Signal: 1, m/z: 276.0 Type: quant, RT: 18.47

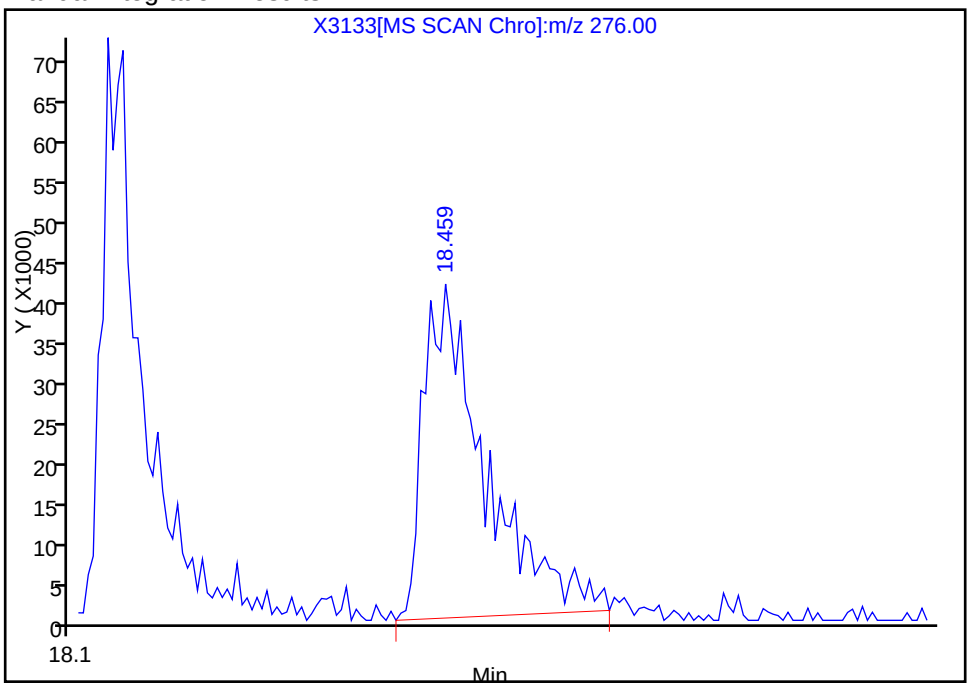
Processing Integration Results

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					

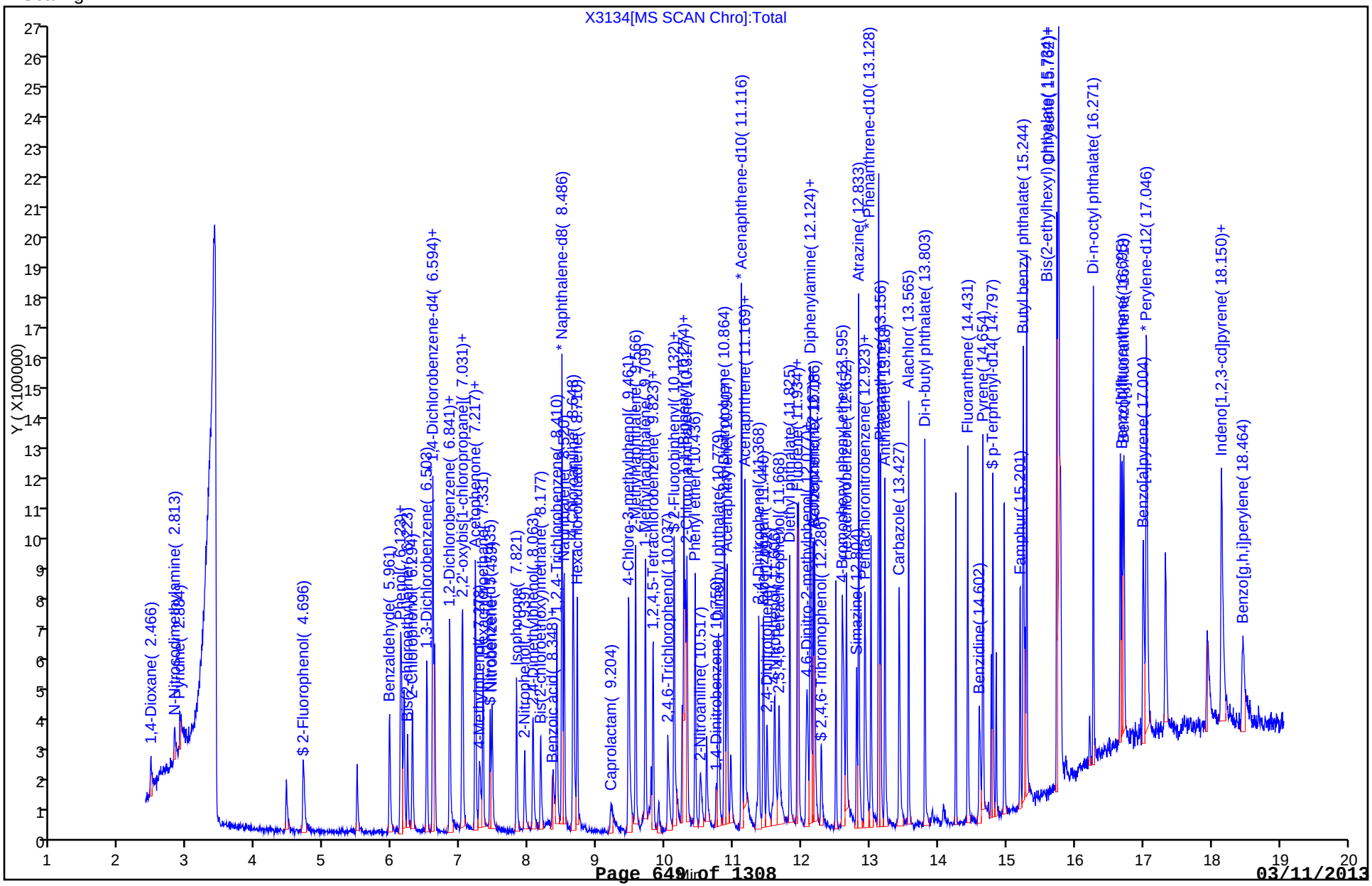
QC Flag Legend

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:			



Manual Integration/User Assign Peak Report

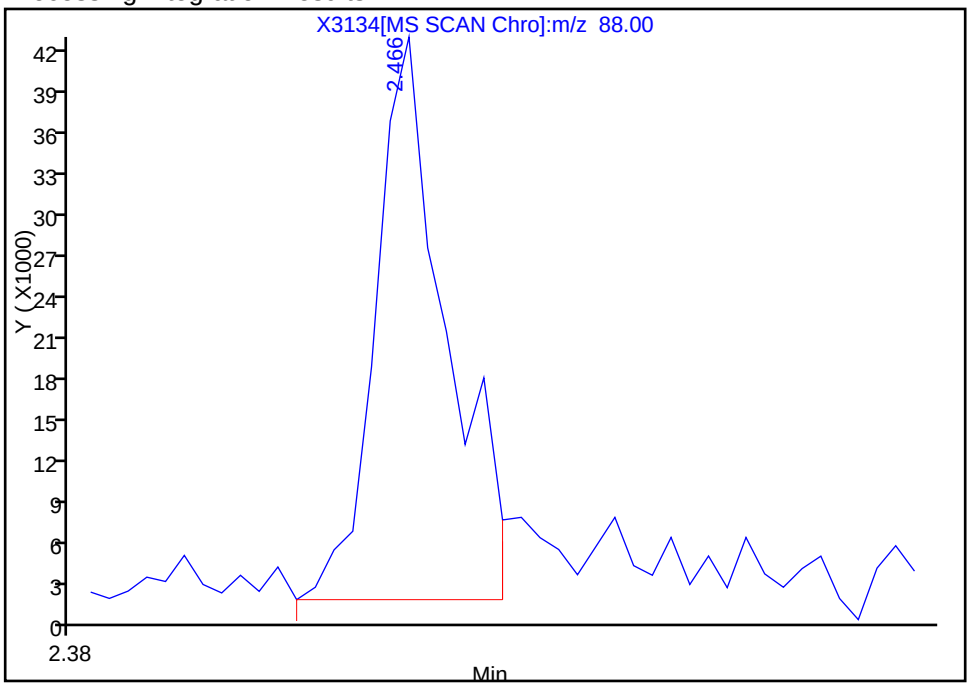
TestAmerica Buffalo

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

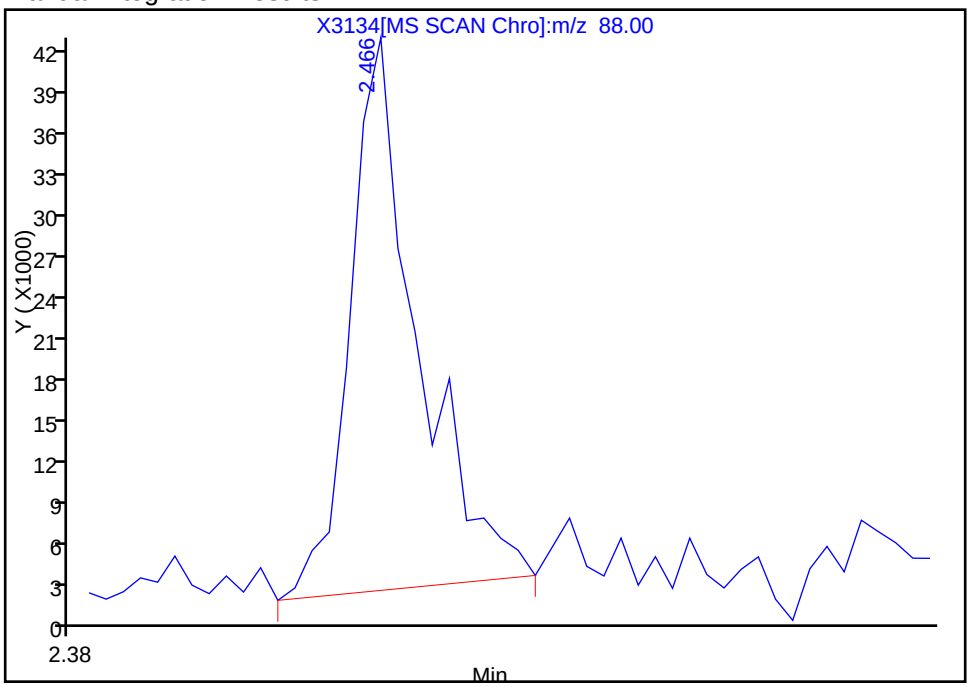
Processing Integration Results

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

Manual Integration/User Assign Peak Report

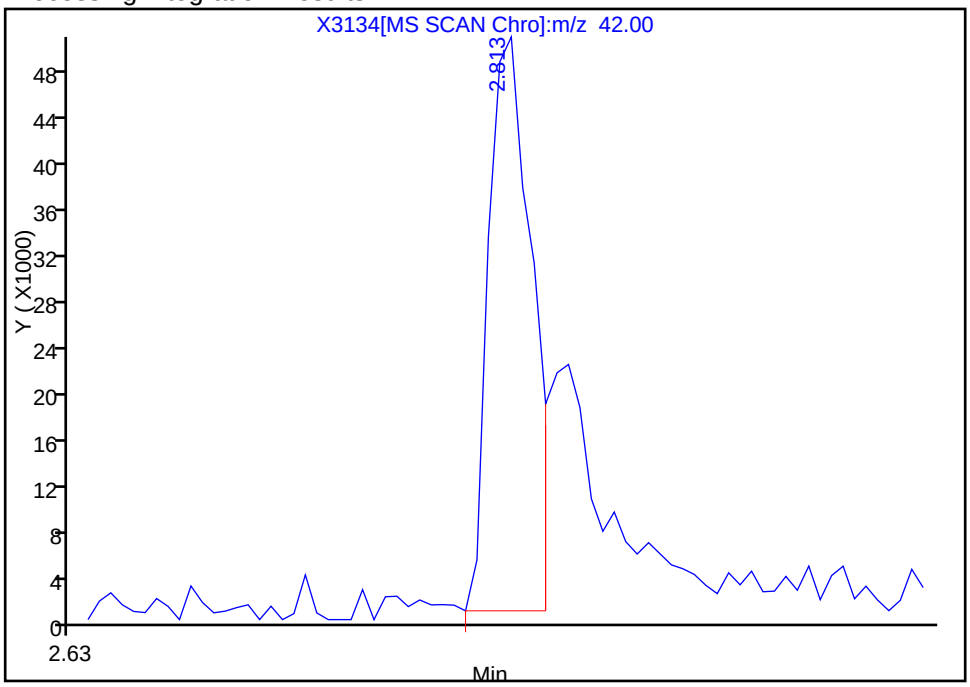
TestAmerica Buffalo

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

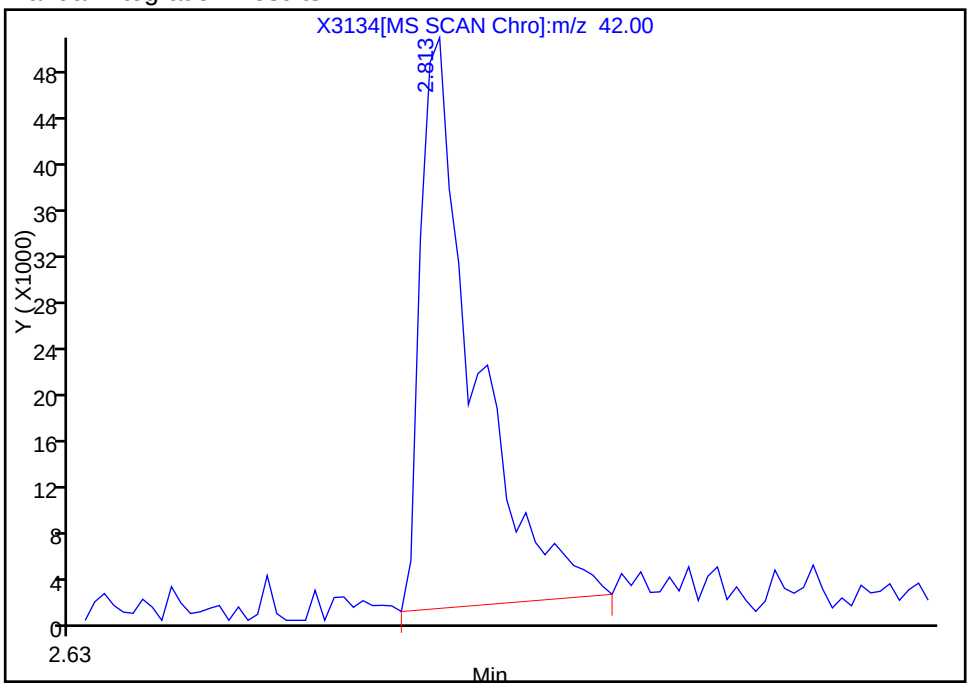
Processing Integration Results

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

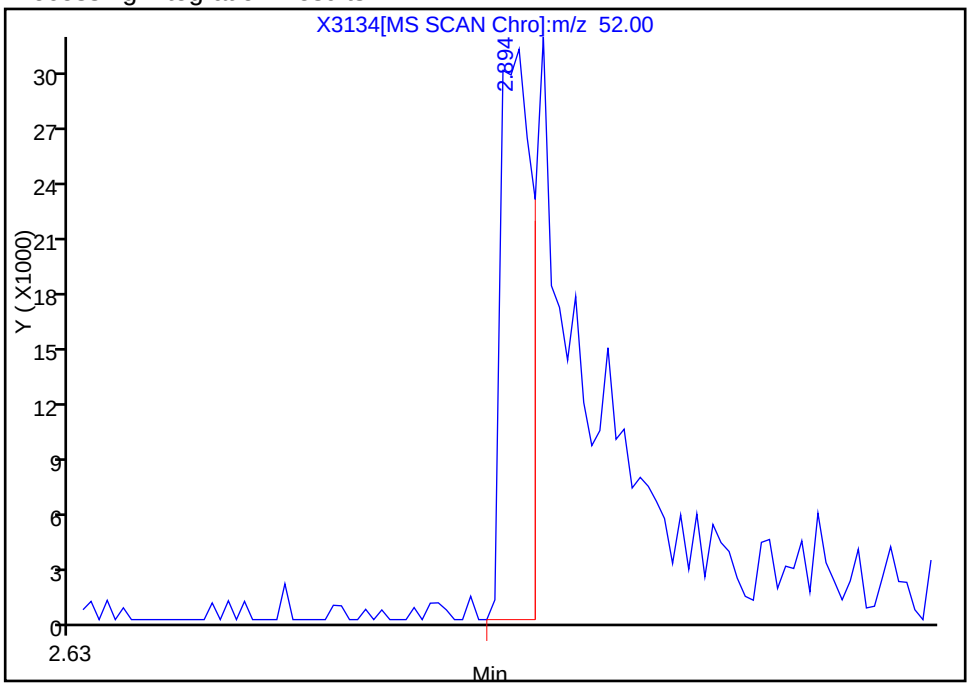
TestAmerica Buffalo

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

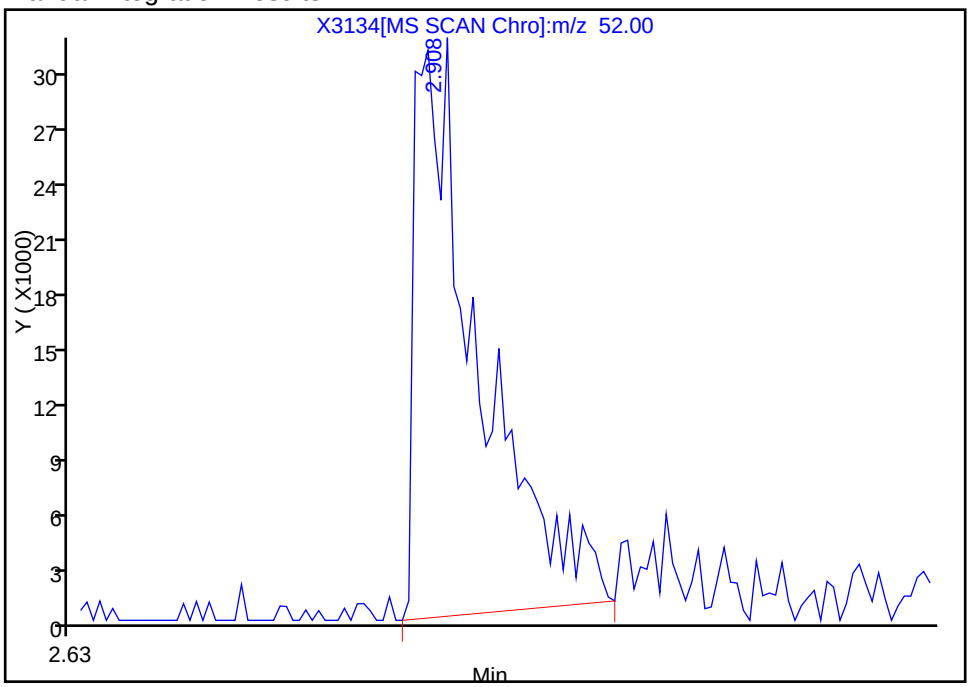
Processing Integration Results

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

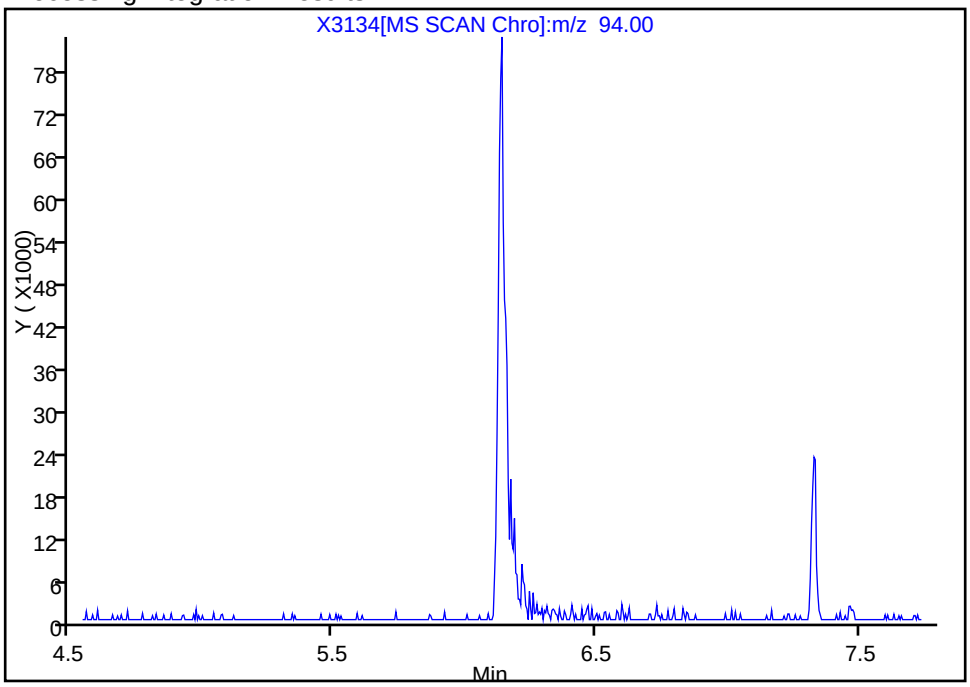
TestAmerica Buffalo

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

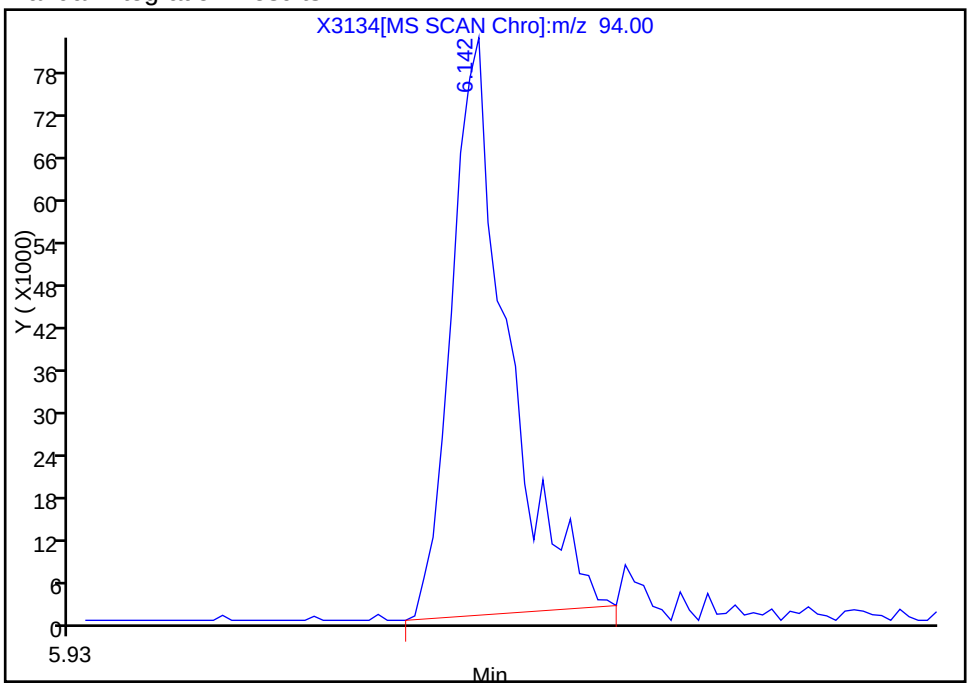
Processing Integration Results

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

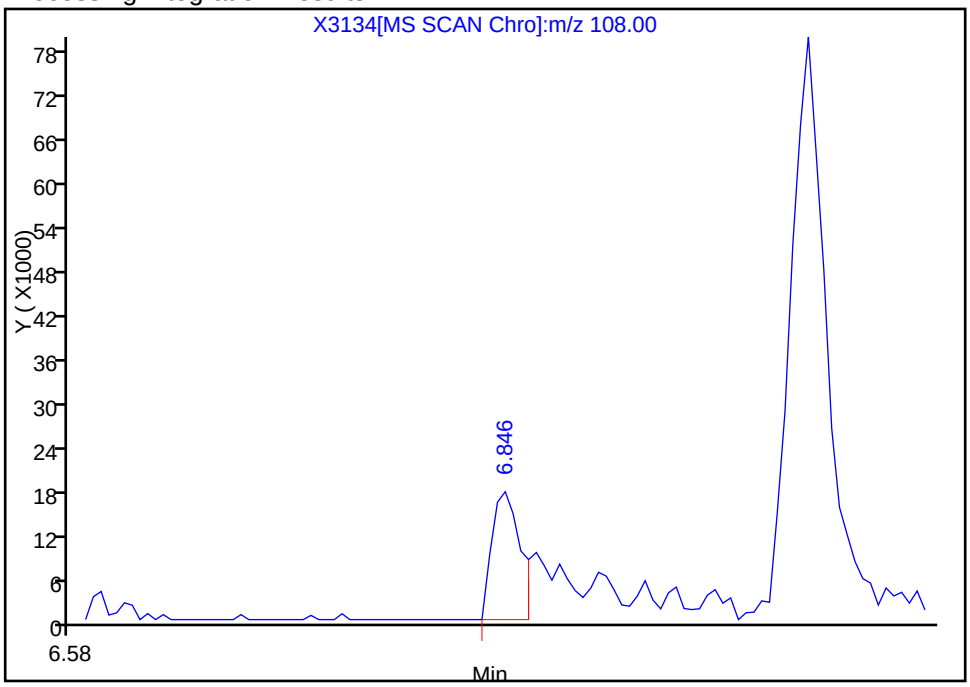
TestAmerica Buffalo

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

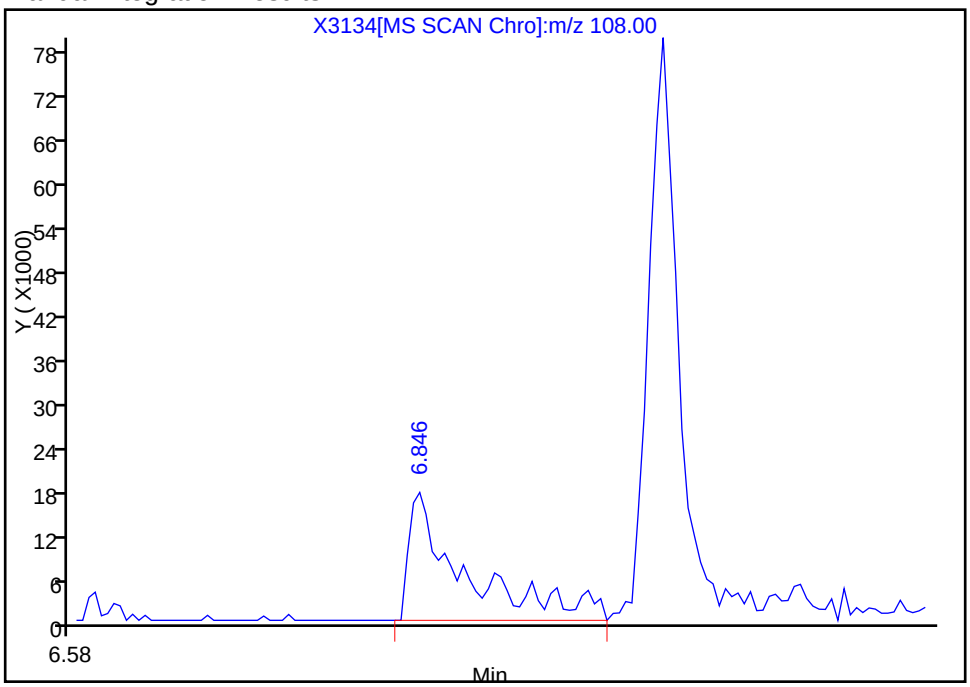
Processing Integration Results

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
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Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

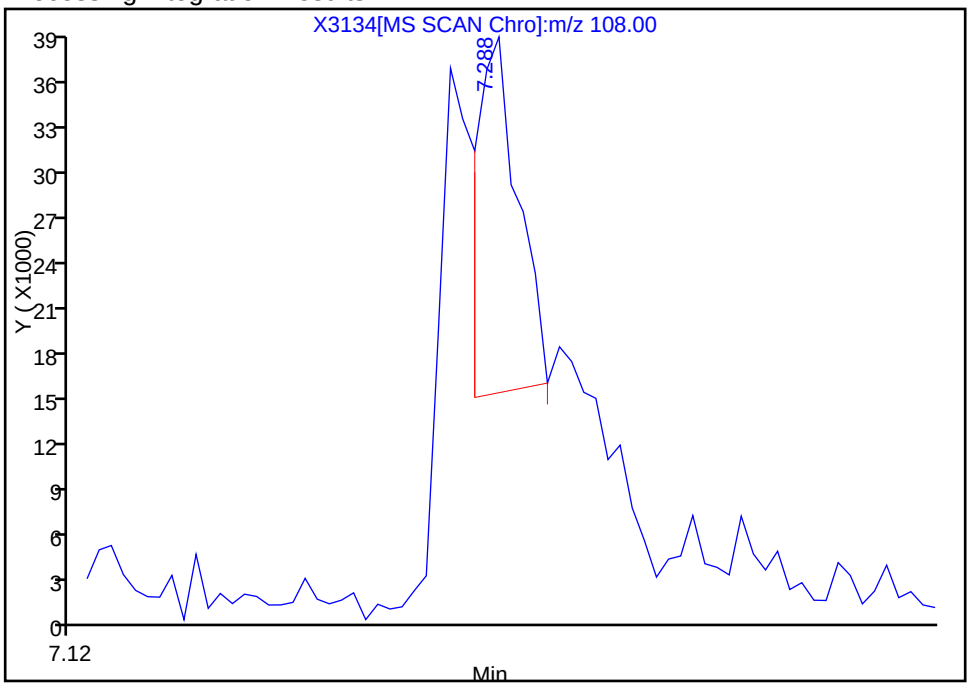
TestAmerica Buffalo

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

36 4-Methylphenol, Signal: 1, m/z: 108.0 Type: quant, RT: 7.29

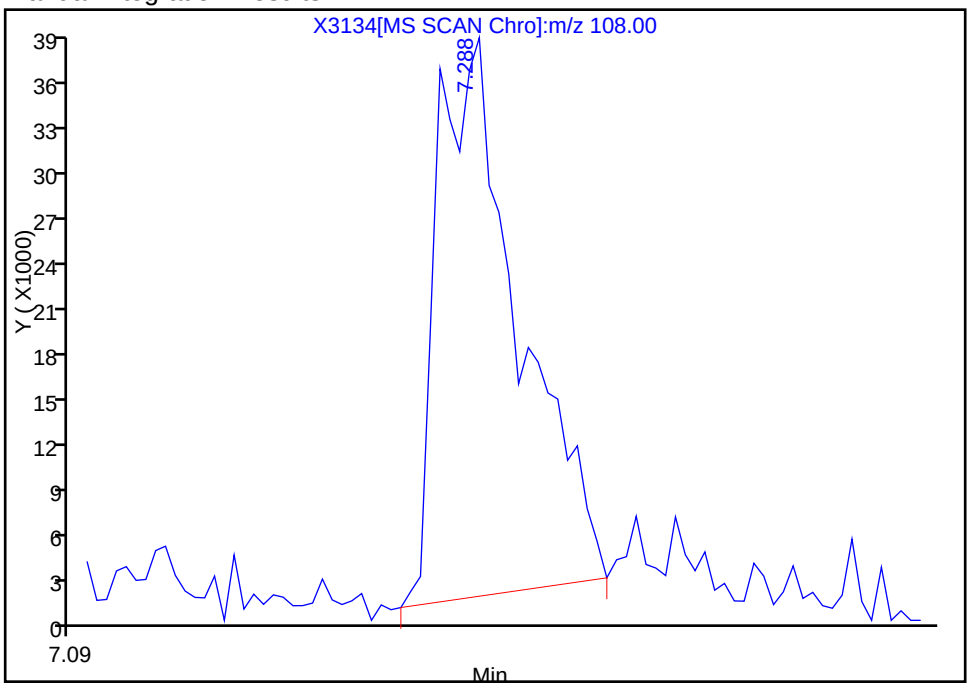
Processing Integration Results

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

Report Date: 18-Dec-2012 16:43:07 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

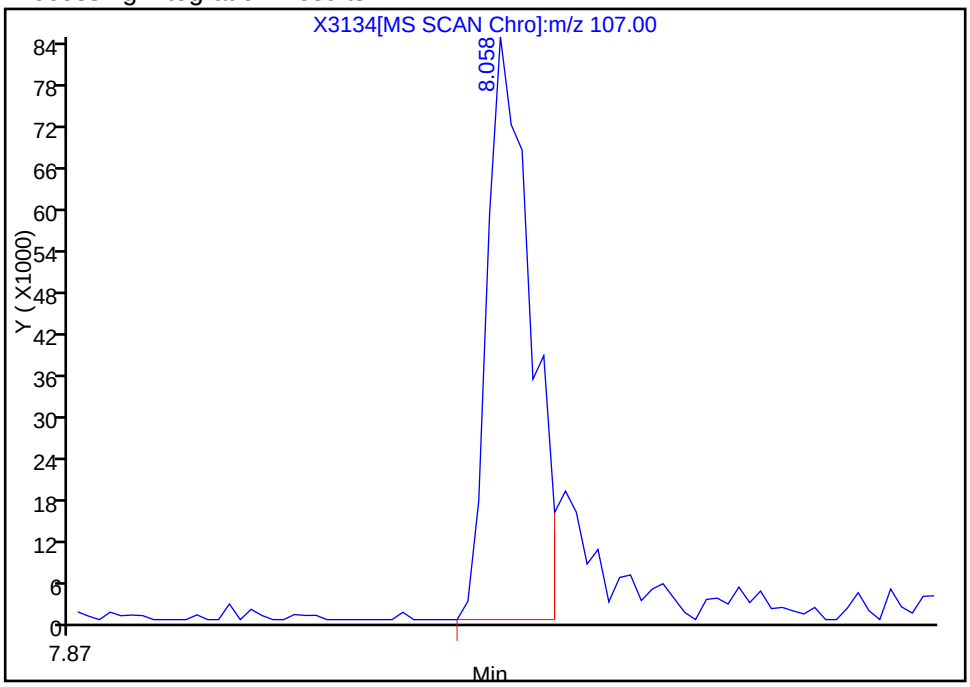
TestAmerica Buffalo

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

43 2,4-Dimethylphenol, Signal: 1, m/z: 107.0 Type: quant, RT: 8.06

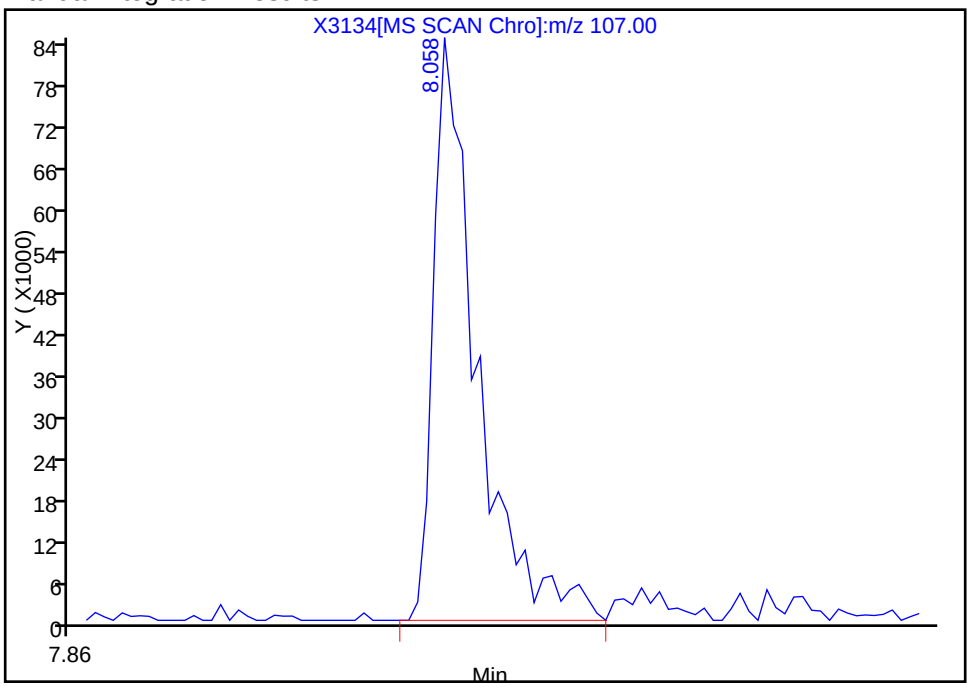
Processing Integration Results

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
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Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

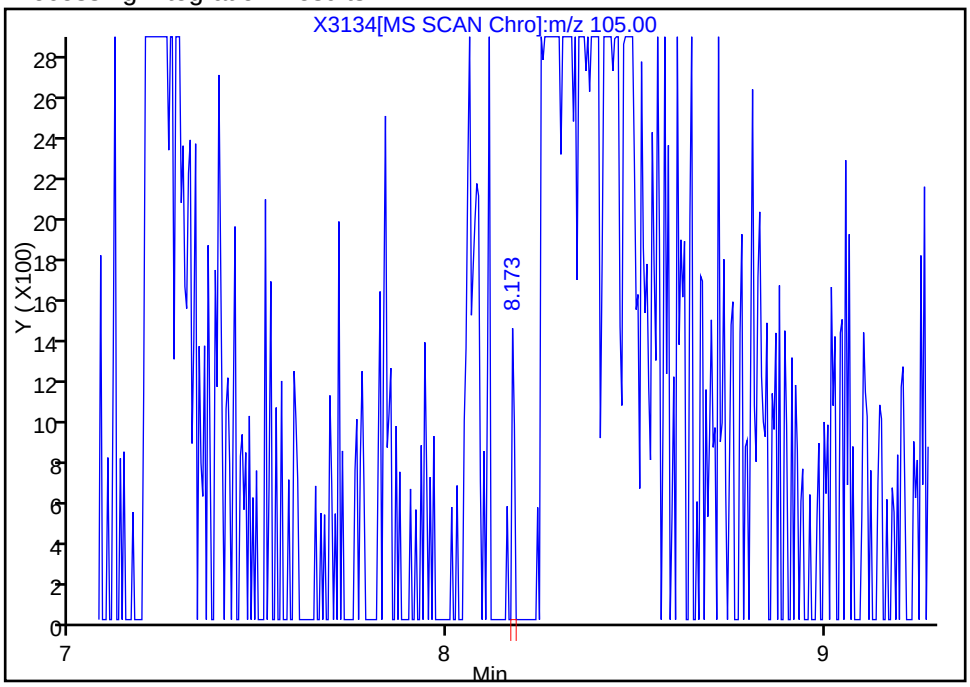
TestAmerica Buffalo

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

44 Benzoic acid, Signal: 1, m/z: 105.0 Type: quant, RT: 8.27

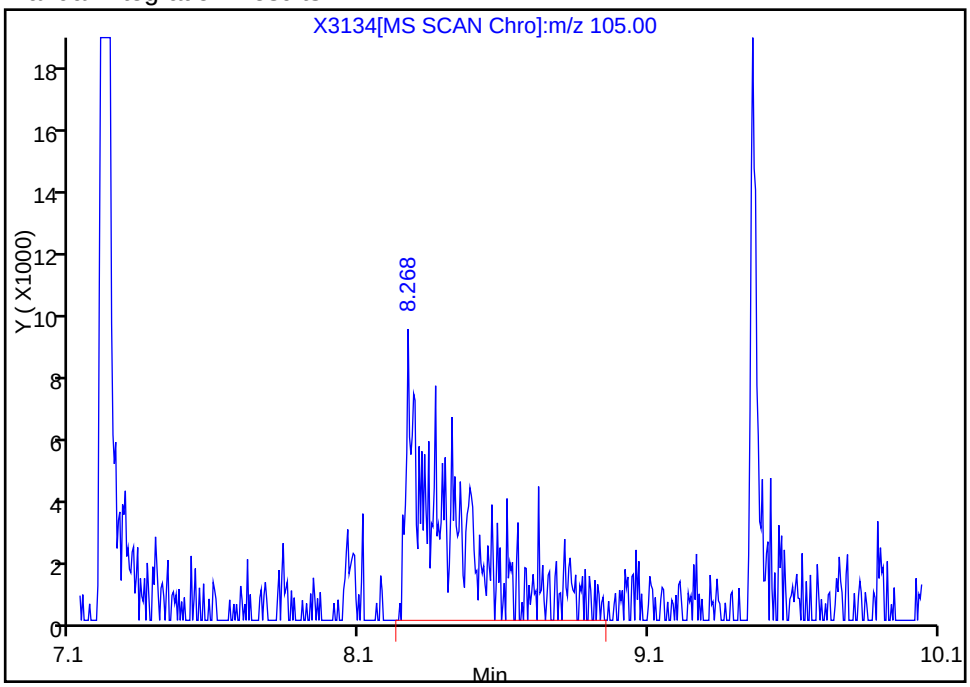
Processing Integration Results

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

Report Date: 18-Dec-2012 16:43:07 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

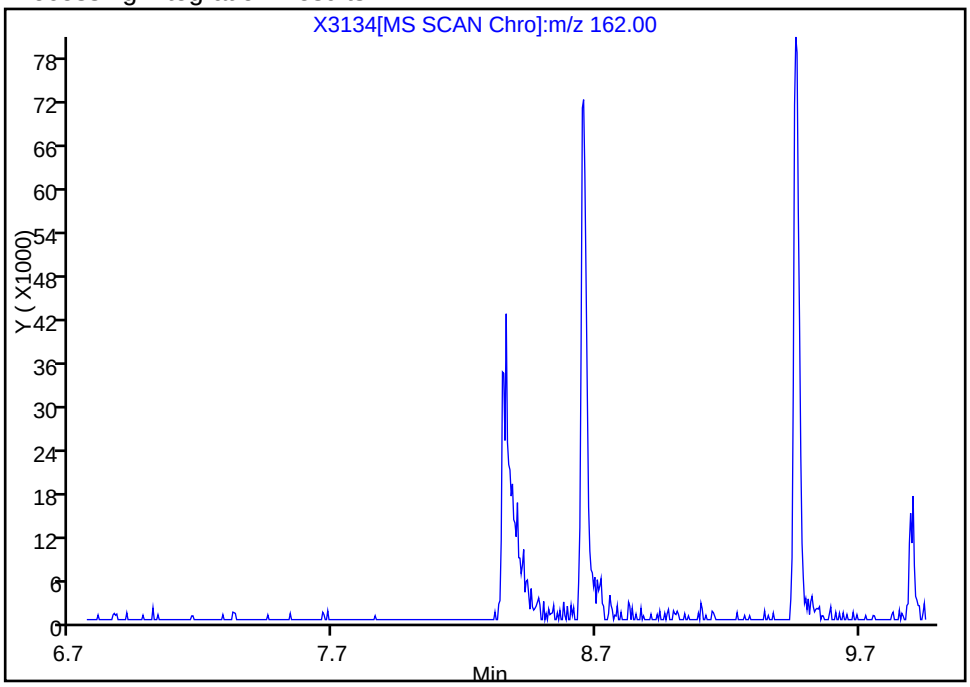
TestAmerica Buffalo

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

47 2,4-Dichlorophenol, Signal: 1, m/z: 162.0 Type: quant, RT: 8.36

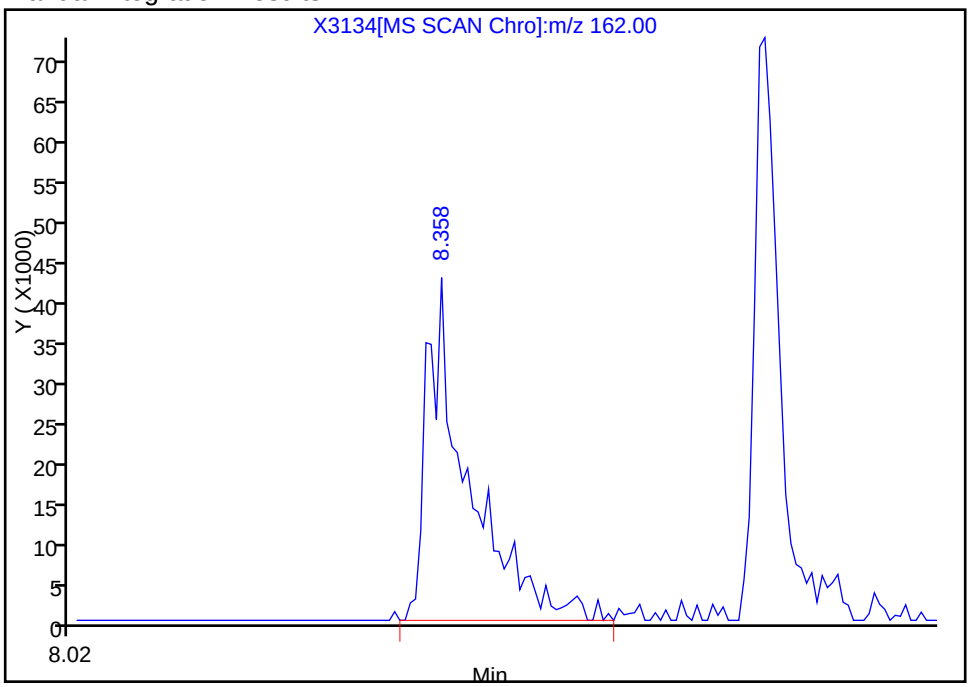
Processing Integration Results

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
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Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

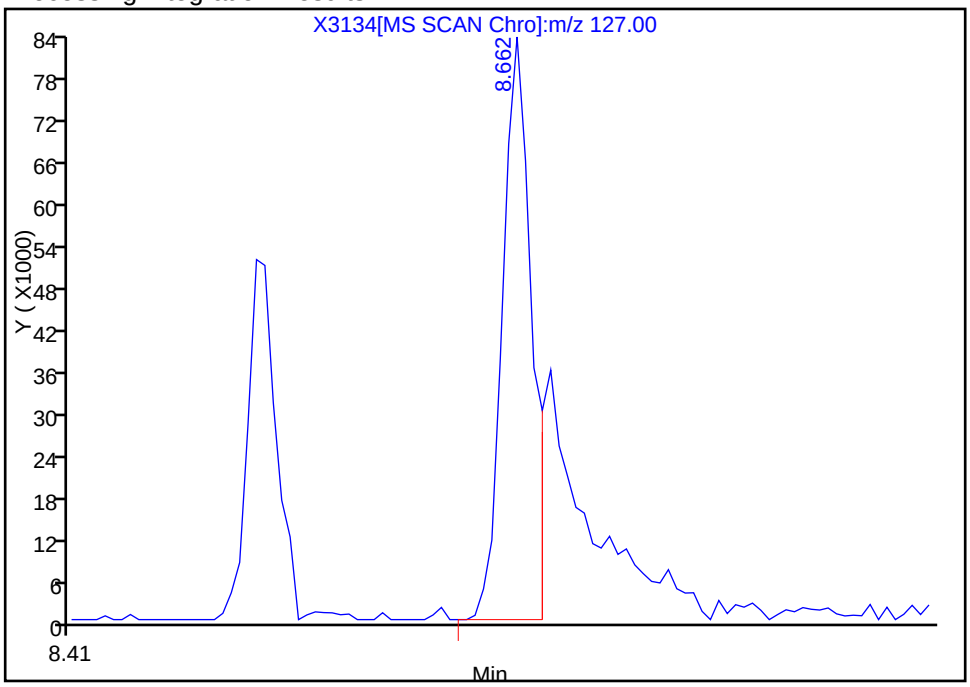
TestAmerica Buffalo

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

51 4-Chloroaniline, Signal: 1, m/z: 127.0 Type: quant, RT: 8.66

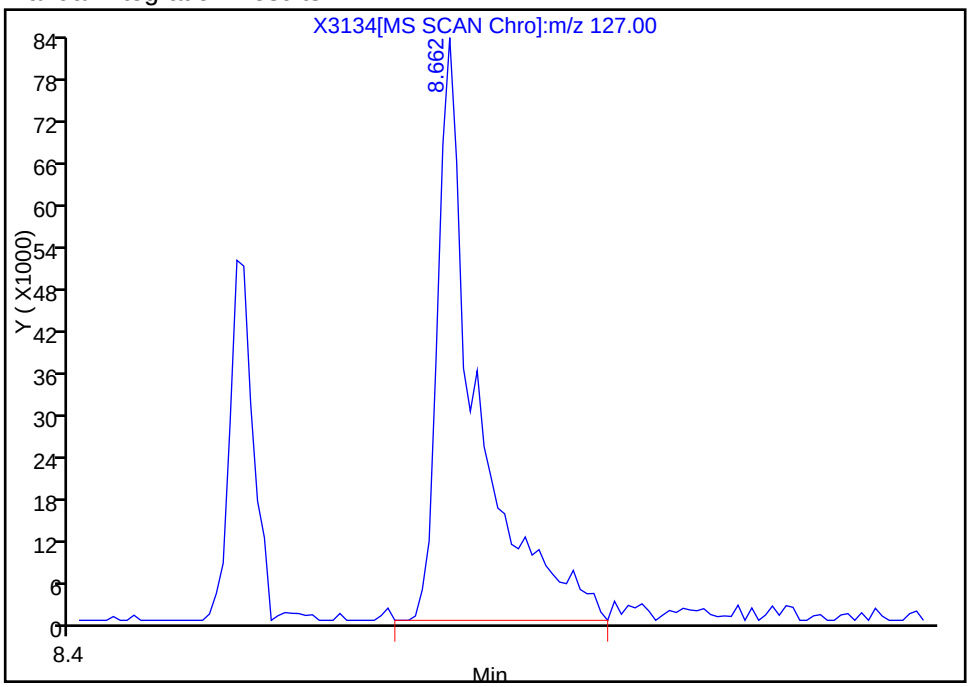
Processing Integration Results

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
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Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

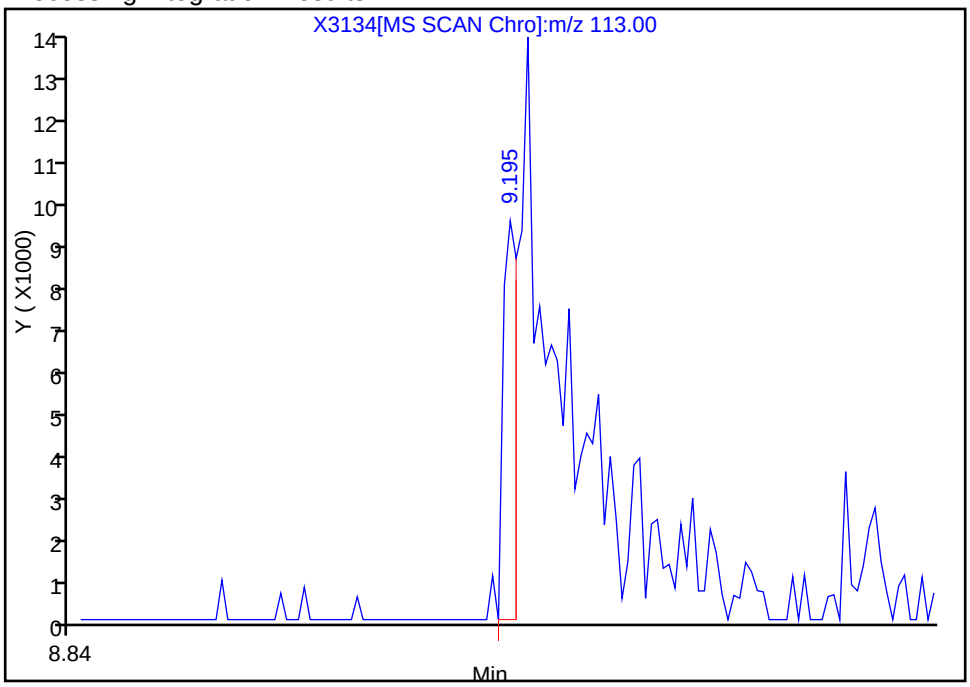
TestAmerica Buffalo

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

54 Caprolactam, Signal: 1, m/z: 113.0 Type: quant, RT: 9.21

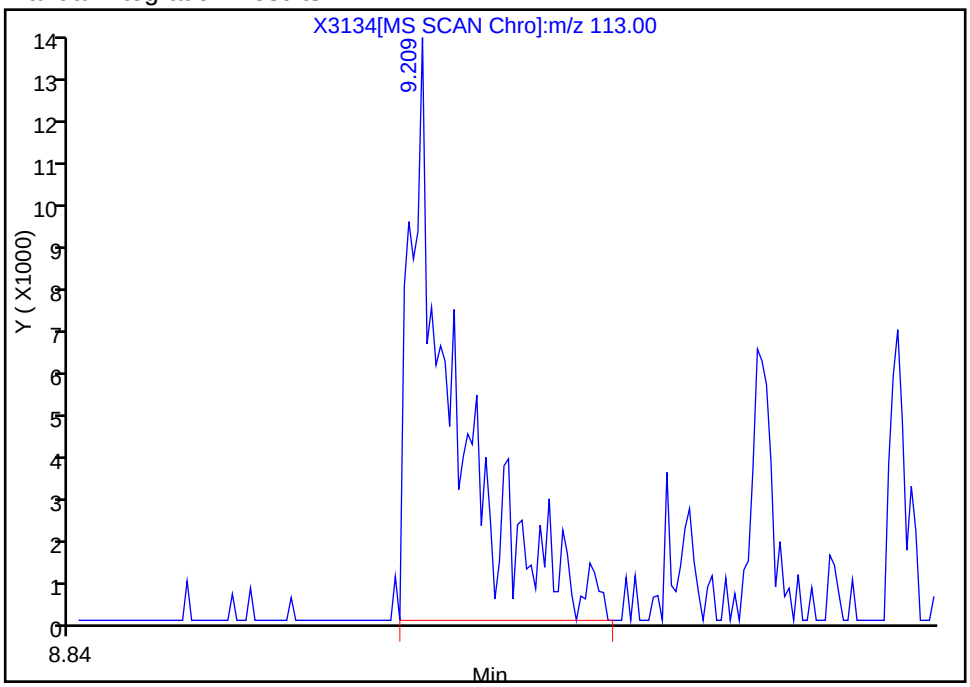
Processing Integration Results

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
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Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

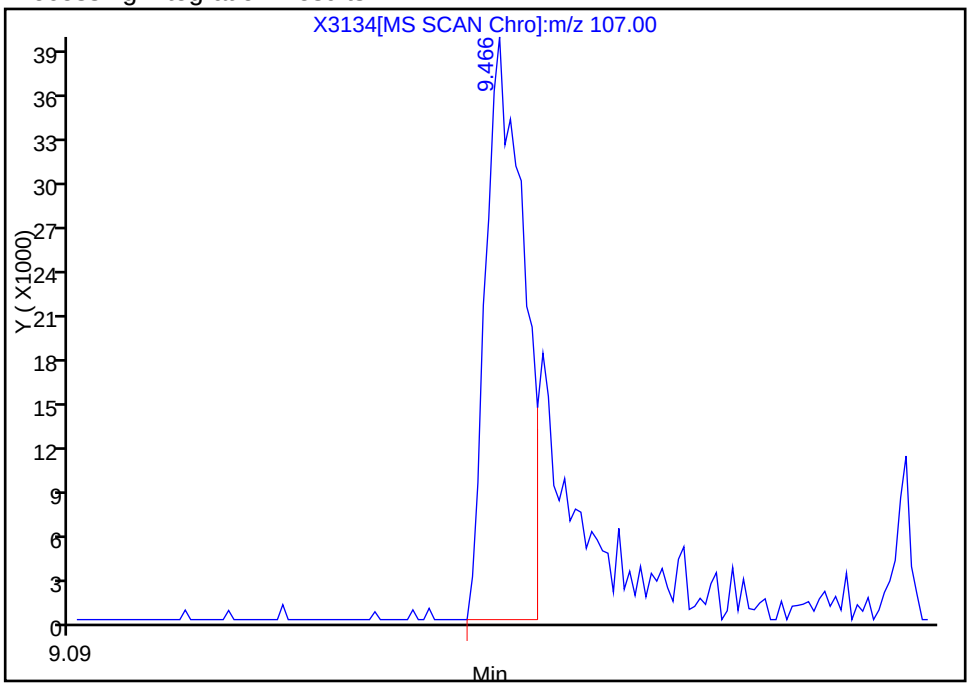
TestAmerica Buffalo

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

55 4-Chloro-3-methylphenol, Signal: 1, m/z: 107.0 Type: quant, RT: 9.47

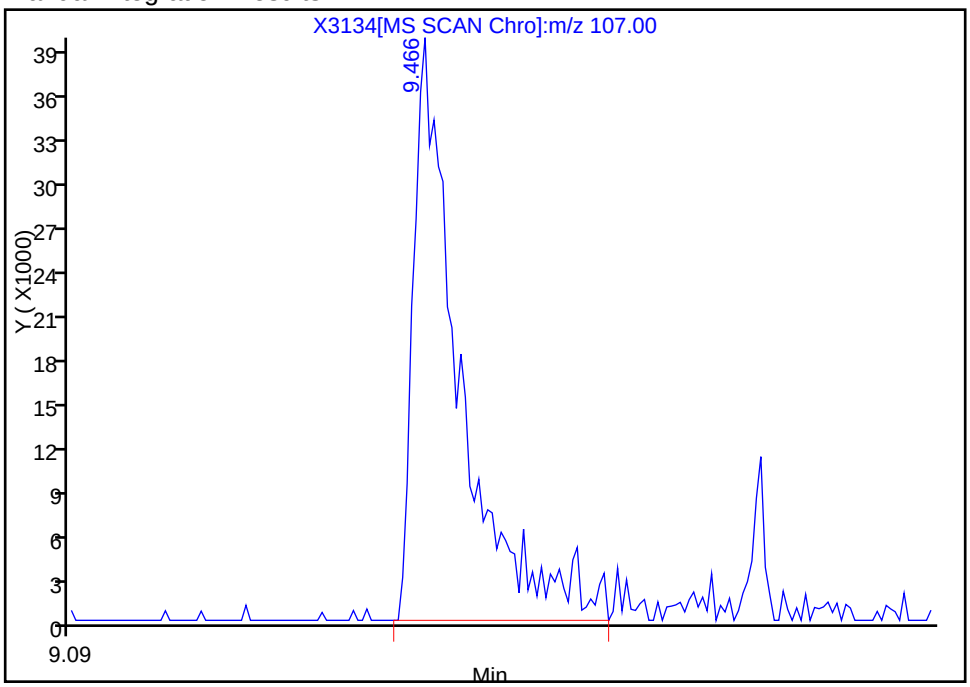
Processing Integration Results

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

Report Date: 18-Dec-2012 16:43:07 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

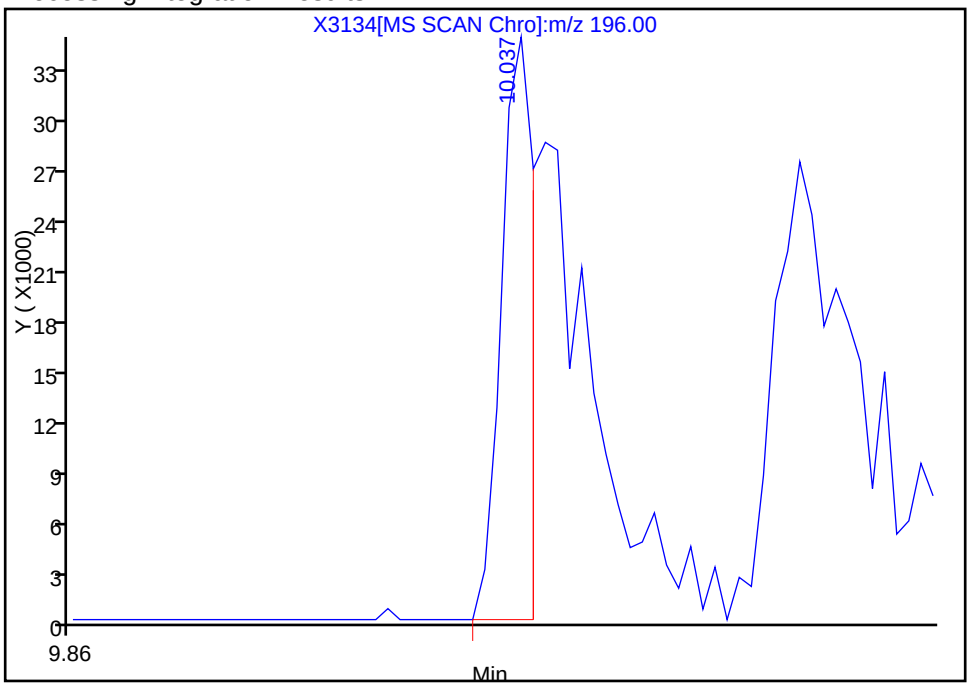
TestAmerica Buffalo

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

60 2,4,6-Trichlorophenol, Signal: 1, m/z: 196.0 Type: quant, RT: 10.04

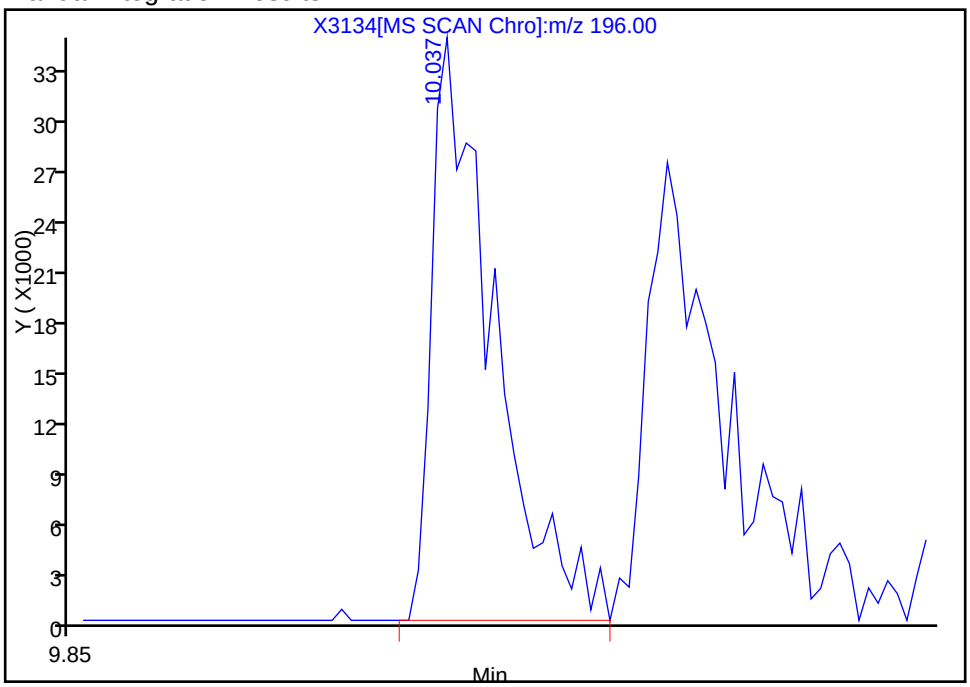
Processing Integration Results

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

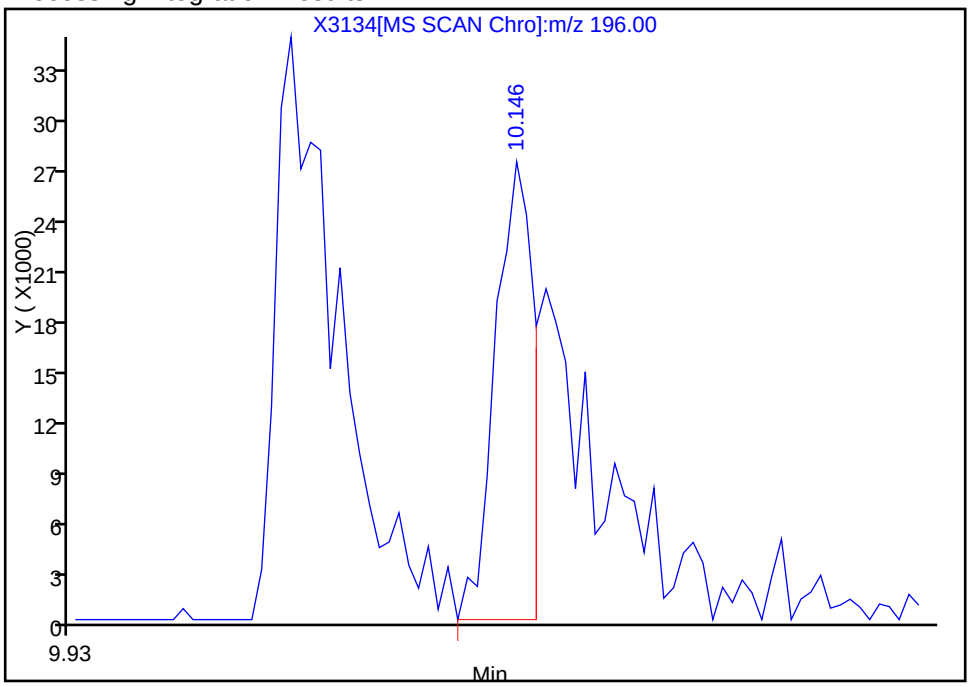
TestAmerica Buffalo

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

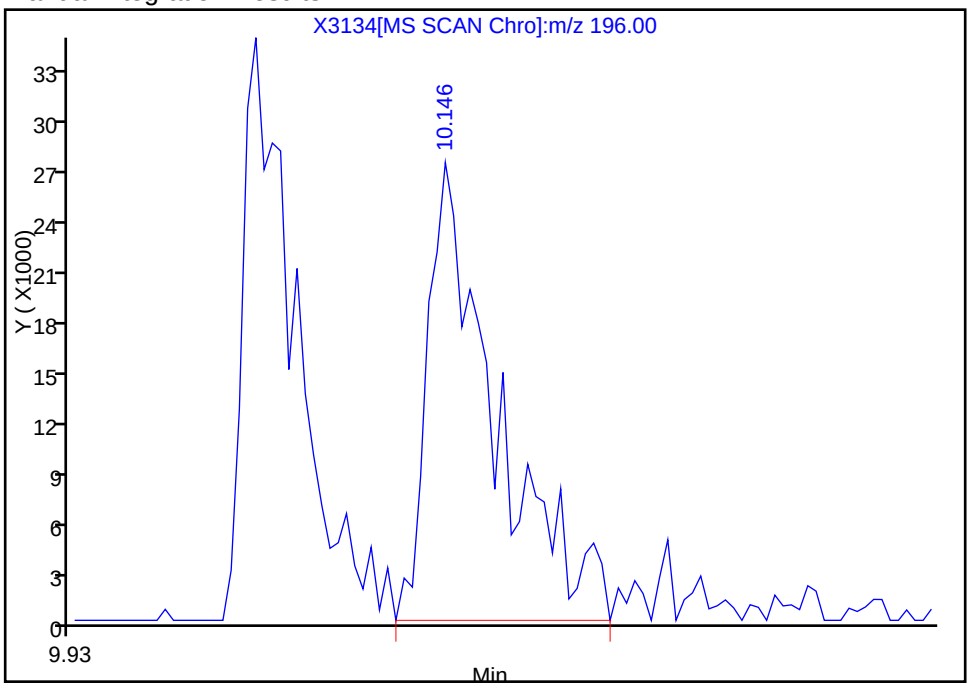
Processing Integration Results

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
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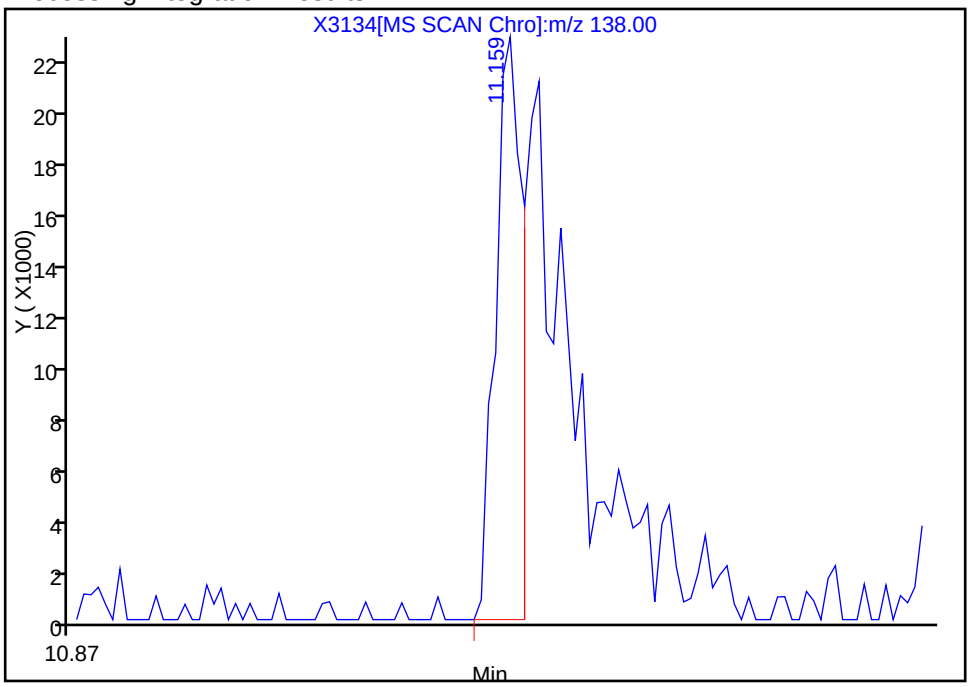
TestAmerica Buffalo

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

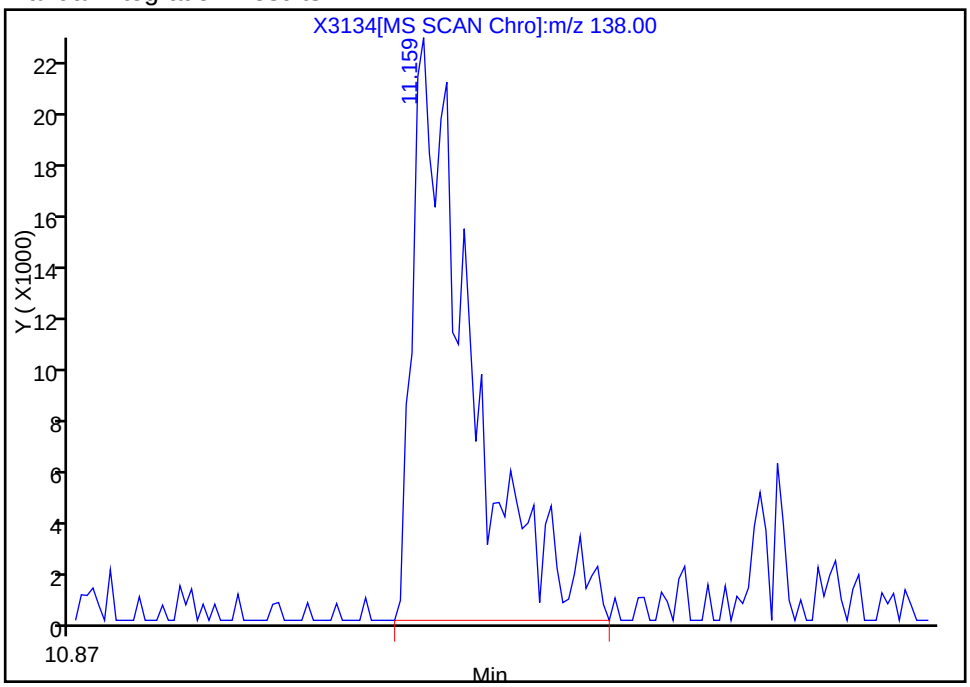
Processing Integration Results

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

Manual Integration/User Assign Peak Report

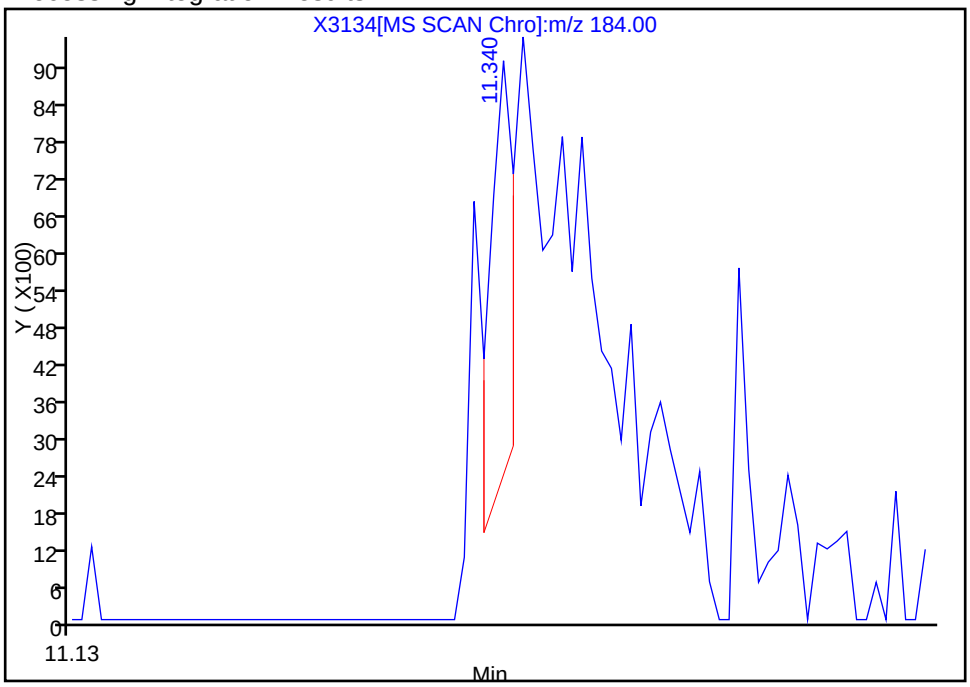
TestAmerica Buffalo

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

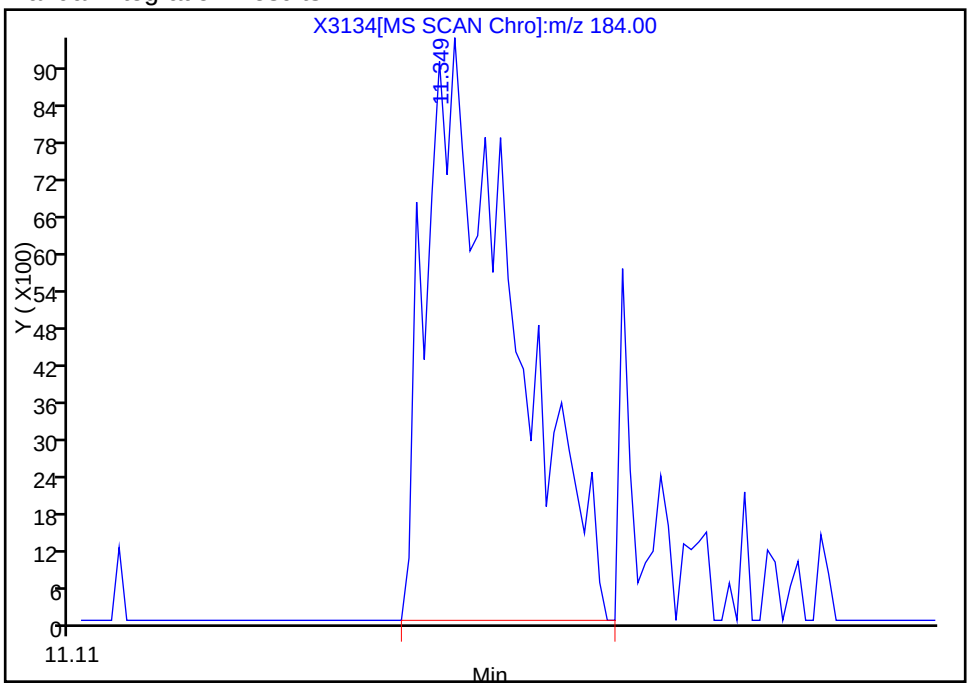
Processing Integration Results

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

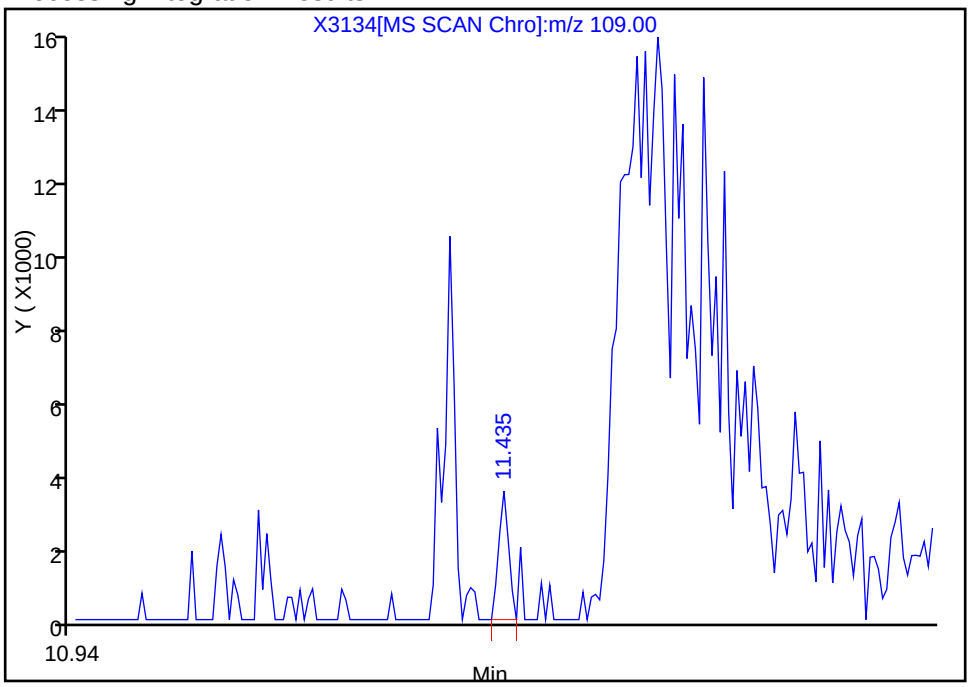
TestAmerica Buffalo

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

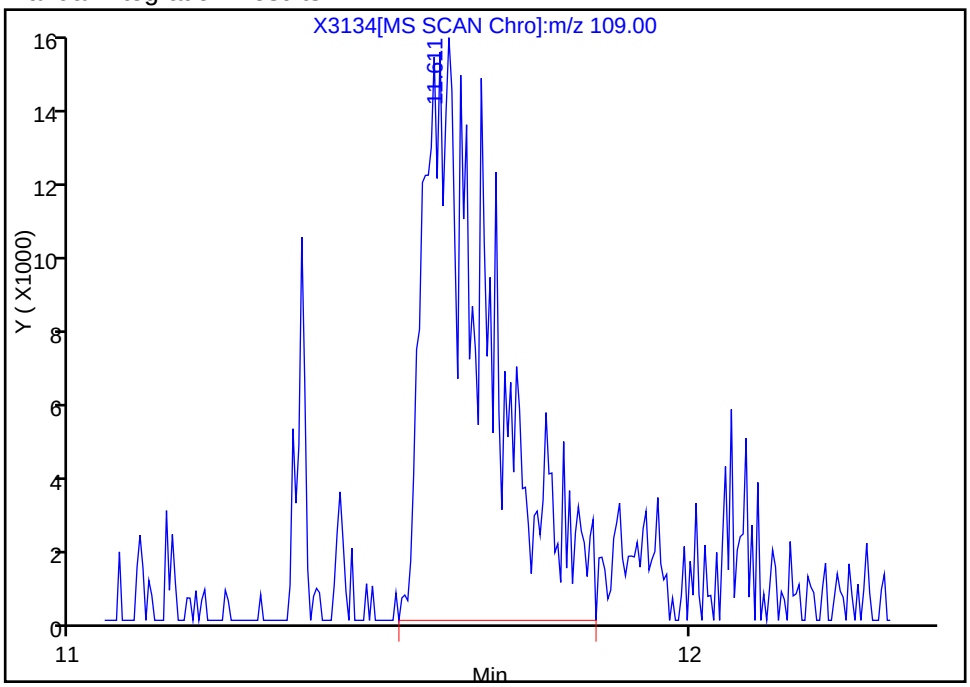
Processing Integration Results

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

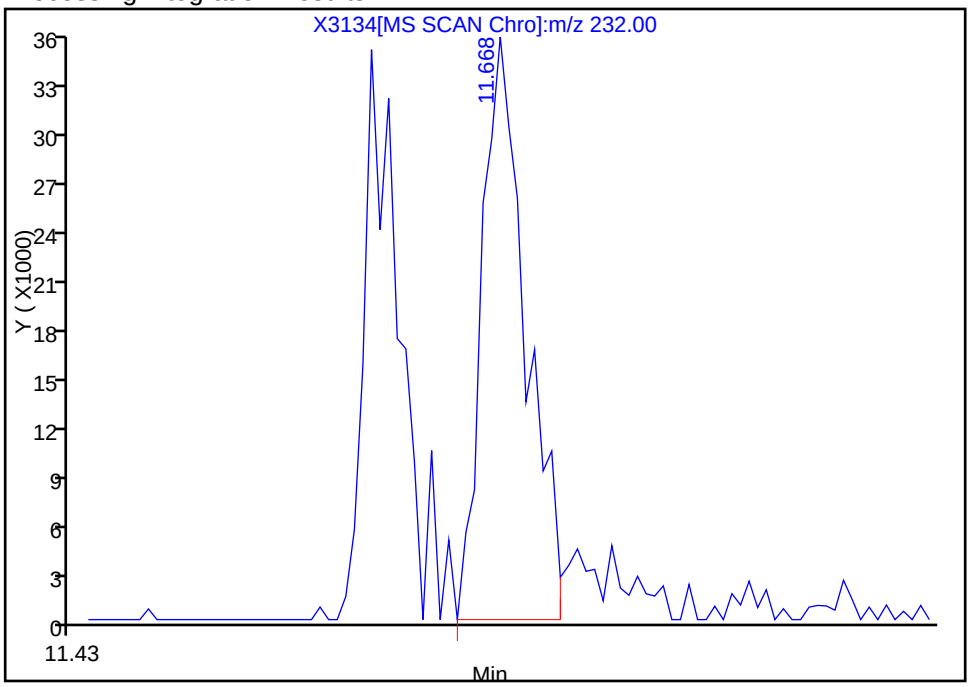
TestAmerica Buffalo

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

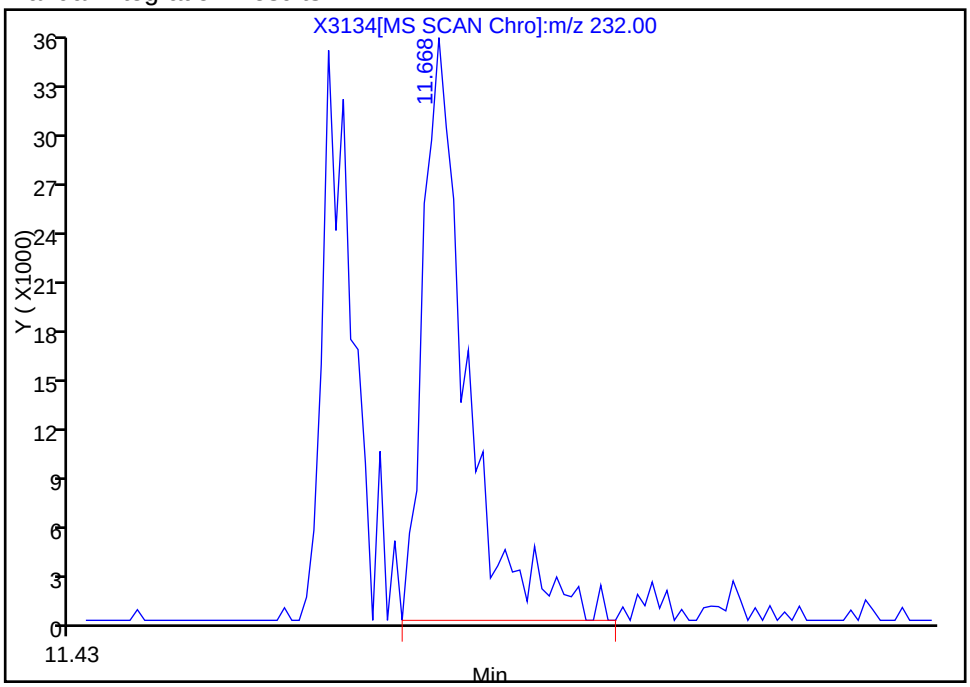
Processing Integration Results

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

Report Date: 18-Dec-2012 16:43:07 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

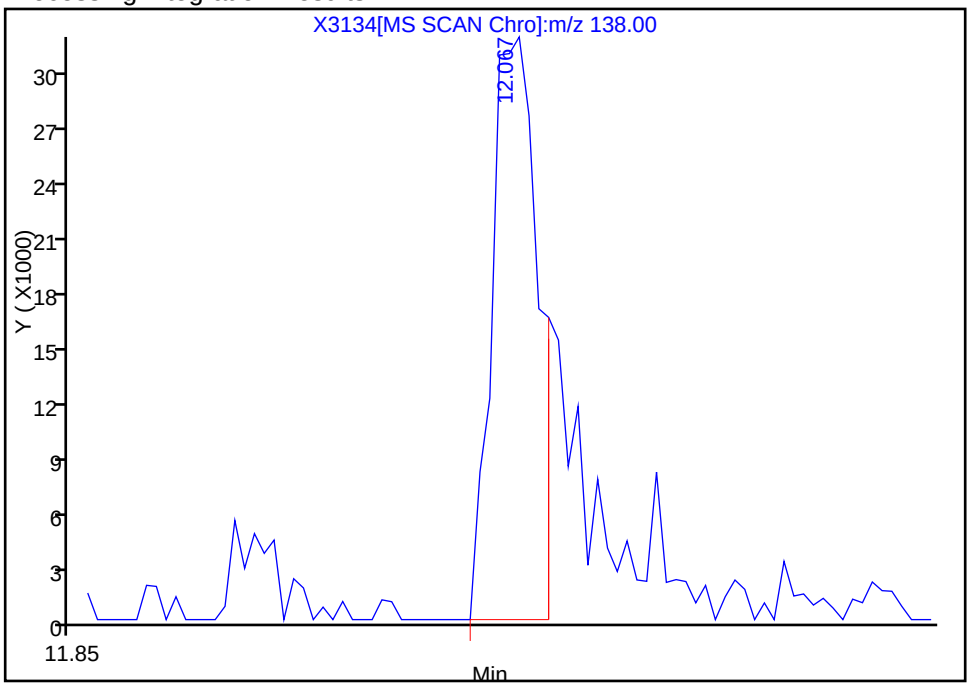
TestAmerica Buffalo

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

81 4-Nitroaniline, Signal: 1, m/z: 138.0 Type: quant, RT: 12.07

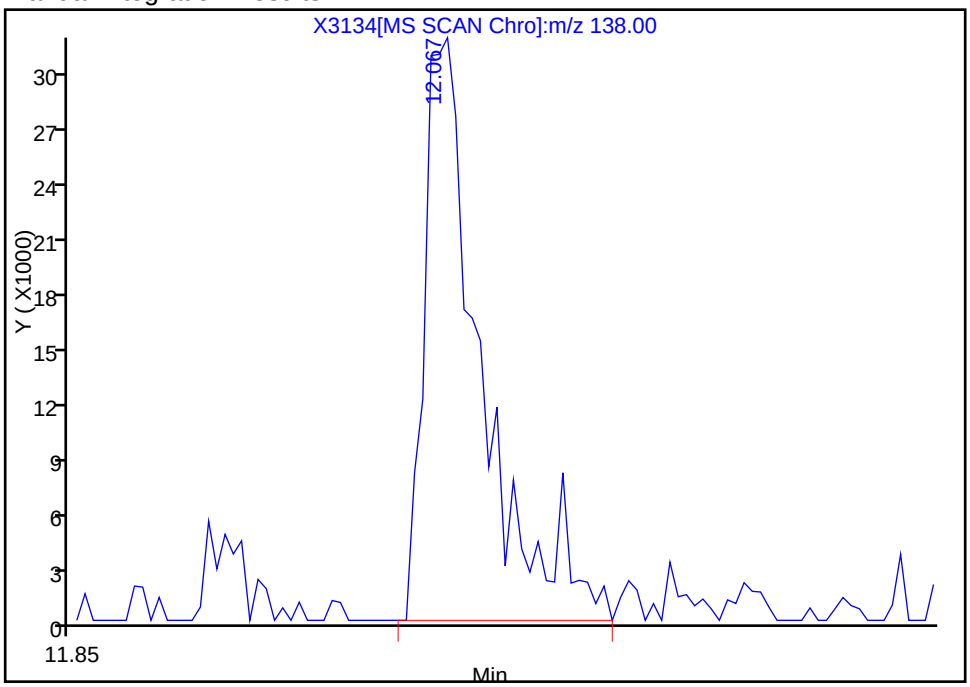
Processing Integration Results

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

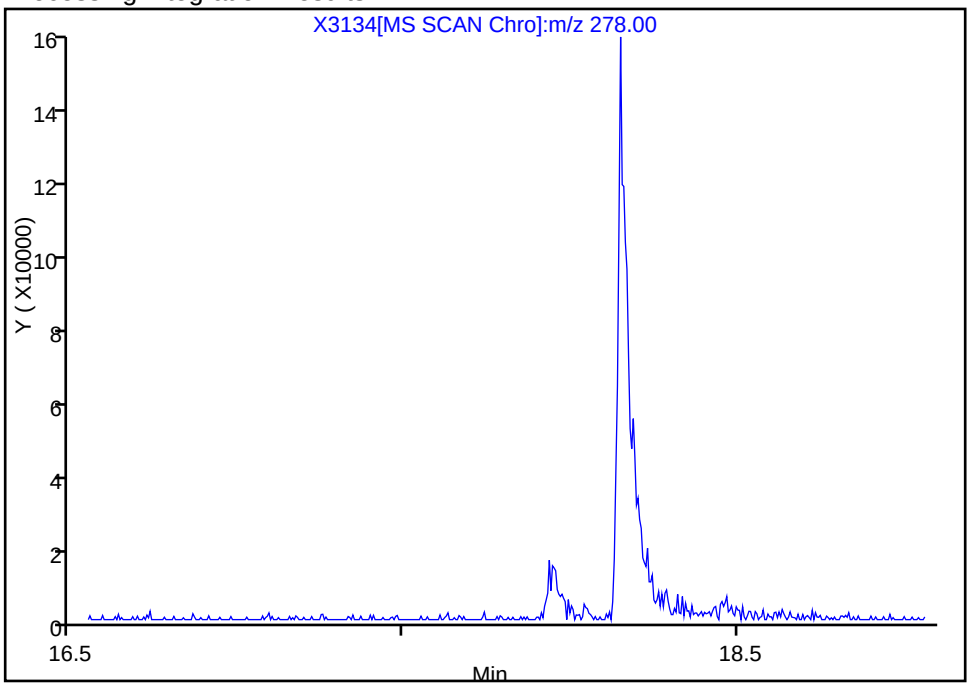
TestAmerica Buffalo

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

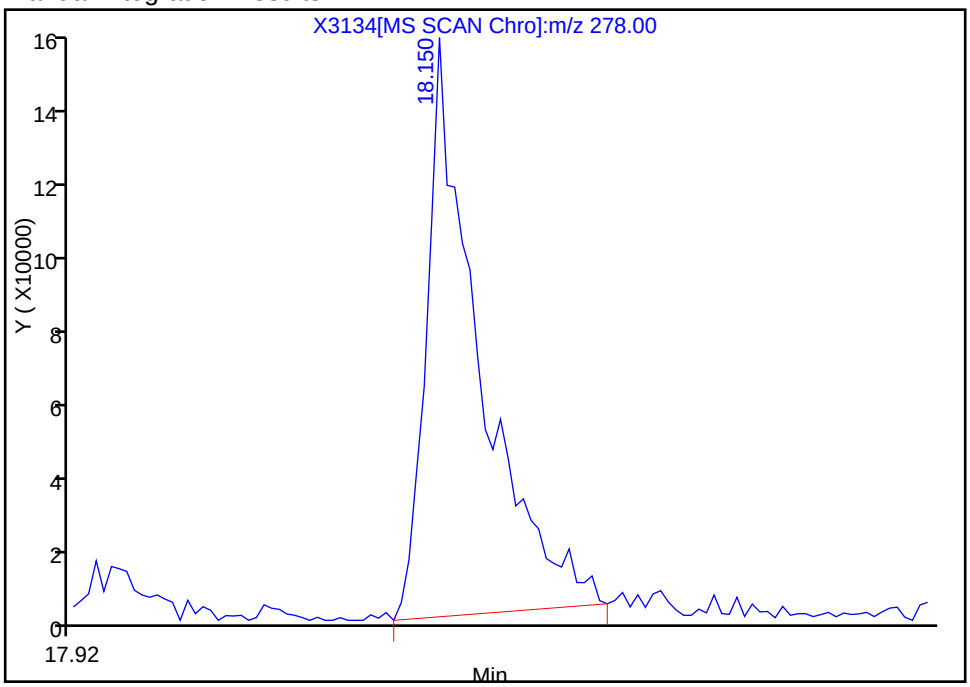
Processing Integration Results

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

Report Date: 18-Dec-2012 16:43:07 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

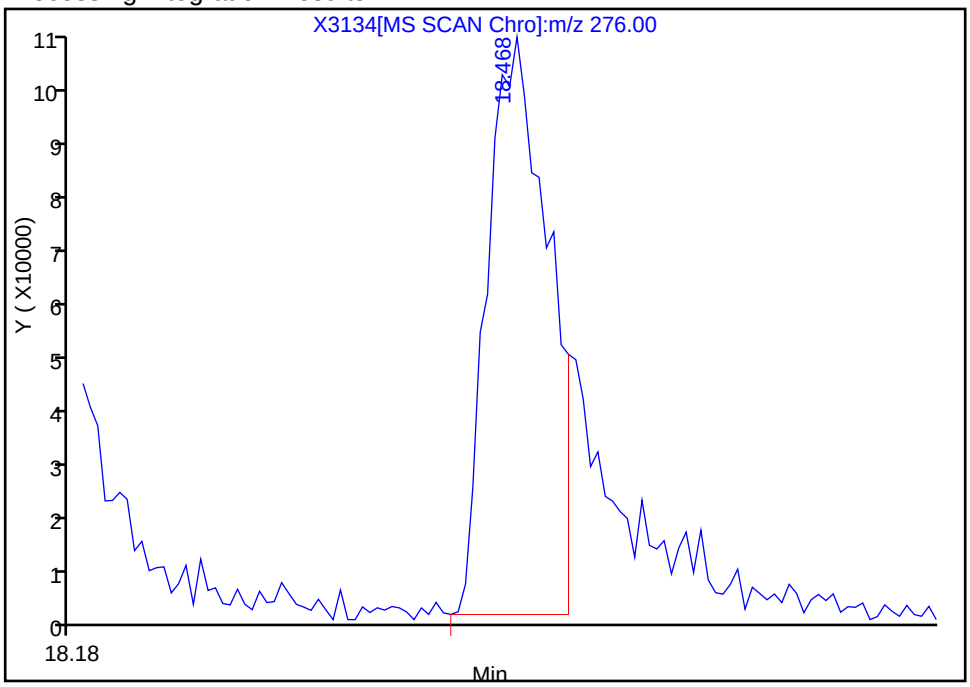
TestAmerica Buffalo

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

119 Benzo[g,h,i]perylene, Signal: 1, m/z: 276.0 Type: quant, RT: 18.47

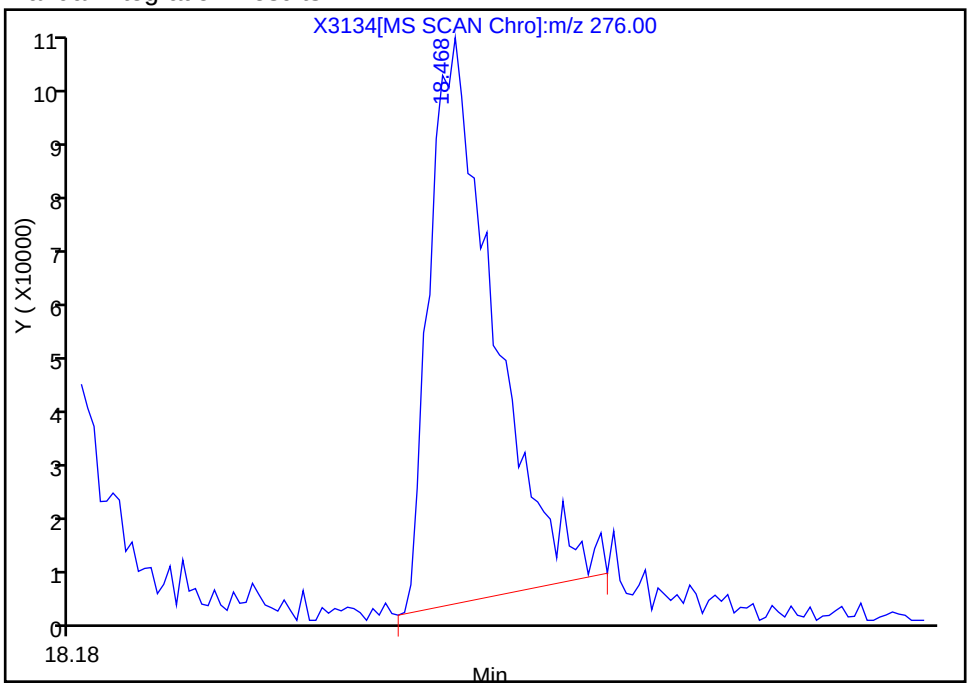
Processing Integration Results

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					

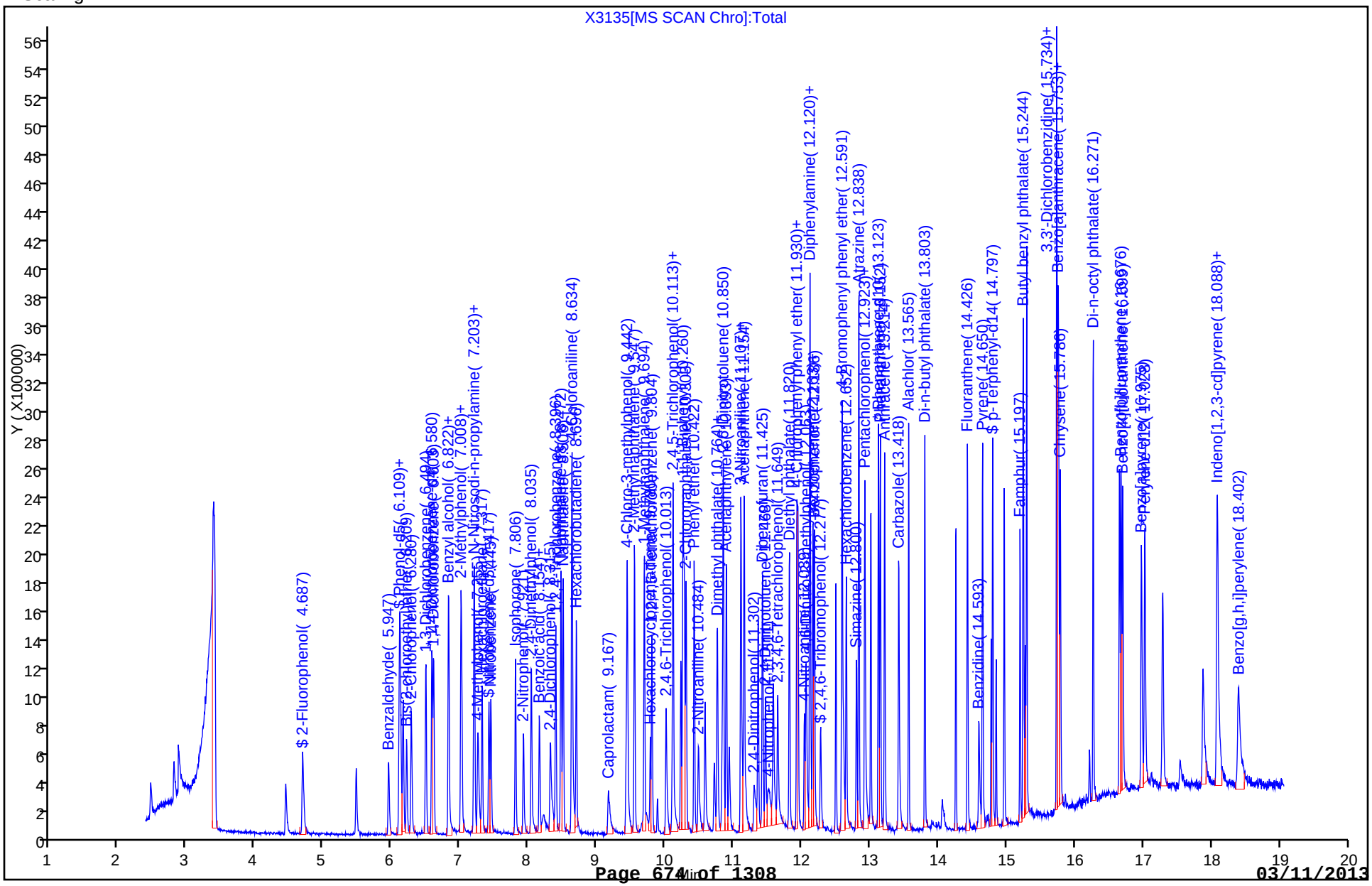
QC Flag Legend

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:			



Report Date: 18-Dec-2012 16:43:10 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

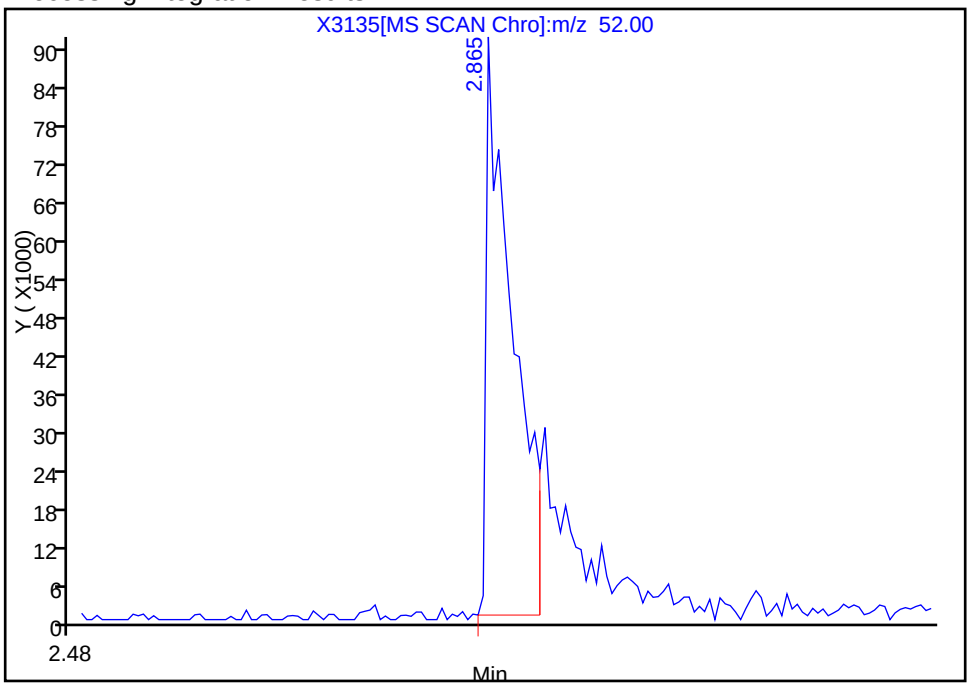
TestAmerica Buffalo

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

20 Pyridine, Signal: 1, m/z: 52.0 Type: quant, RT: 2.87

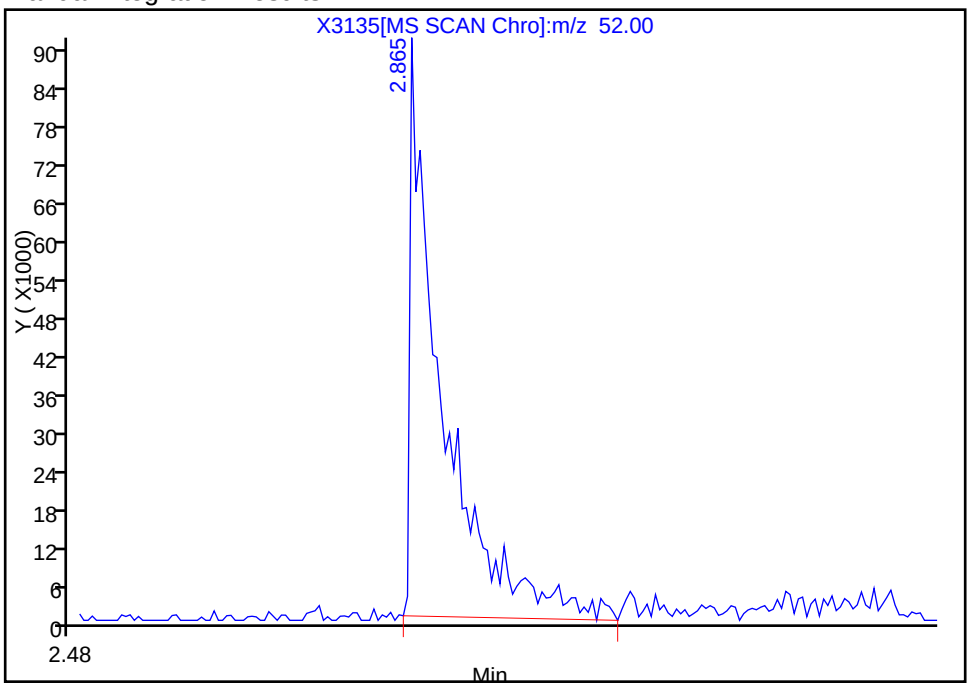
Processing Integration Results

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

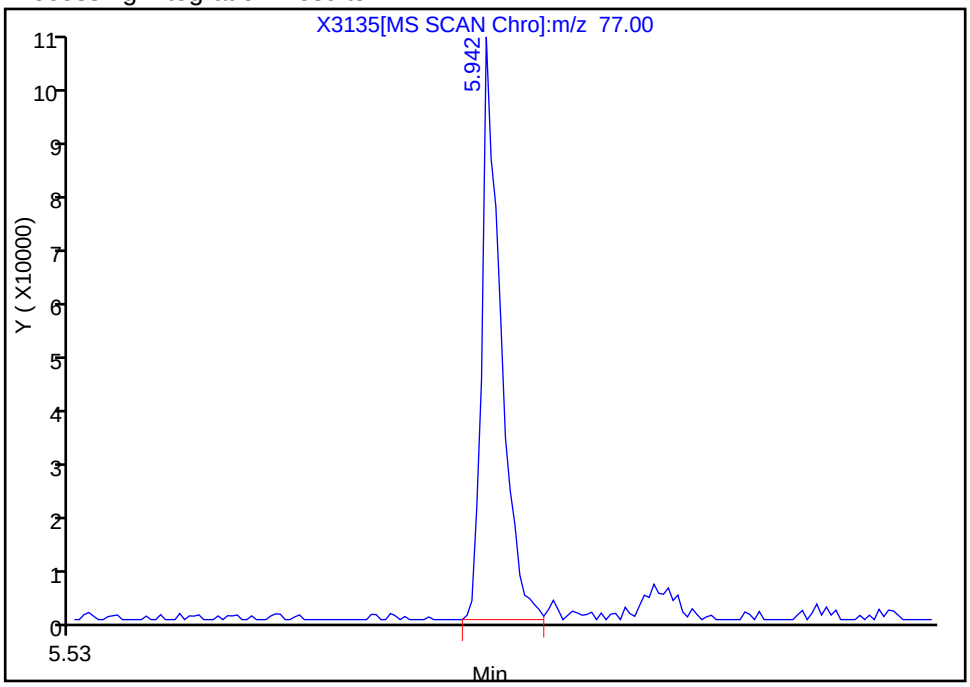
TestAmerica Buffalo

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

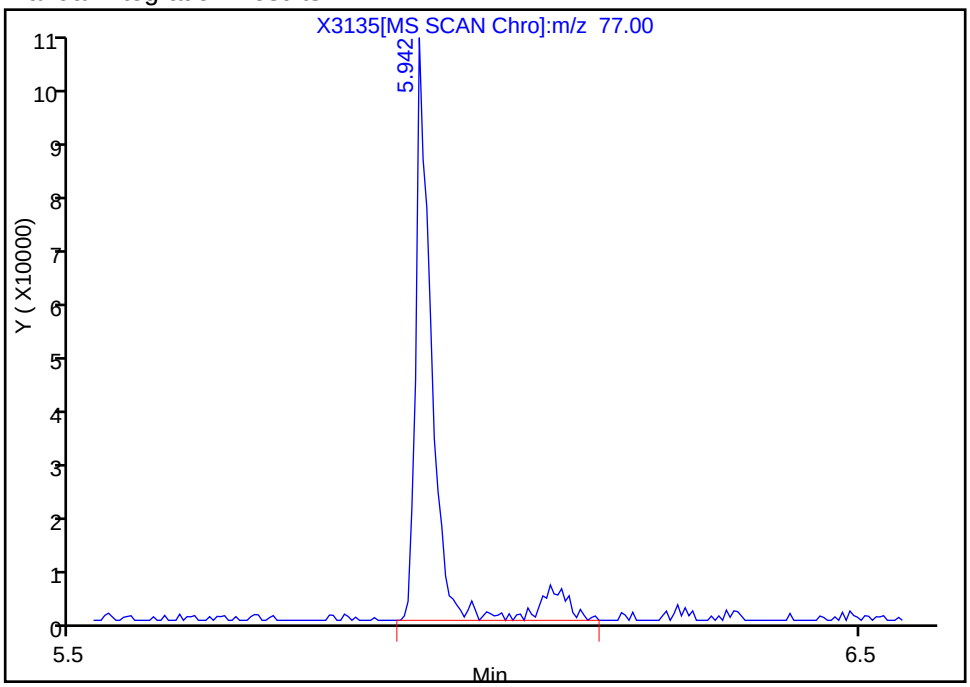
Processing Integration Results

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

Report Date: 18-Dec-2012 16:43:10 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

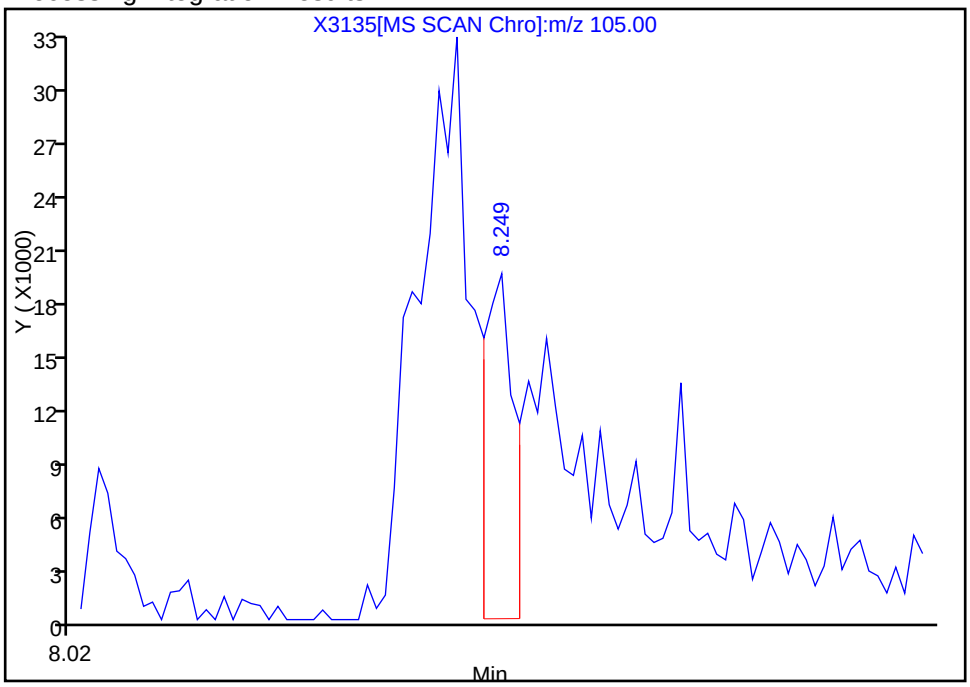
TestAmerica Buffalo

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

44 Benzoic acid, Signal: 1, m/z: 105.0 Type: quant, RT: 8.22

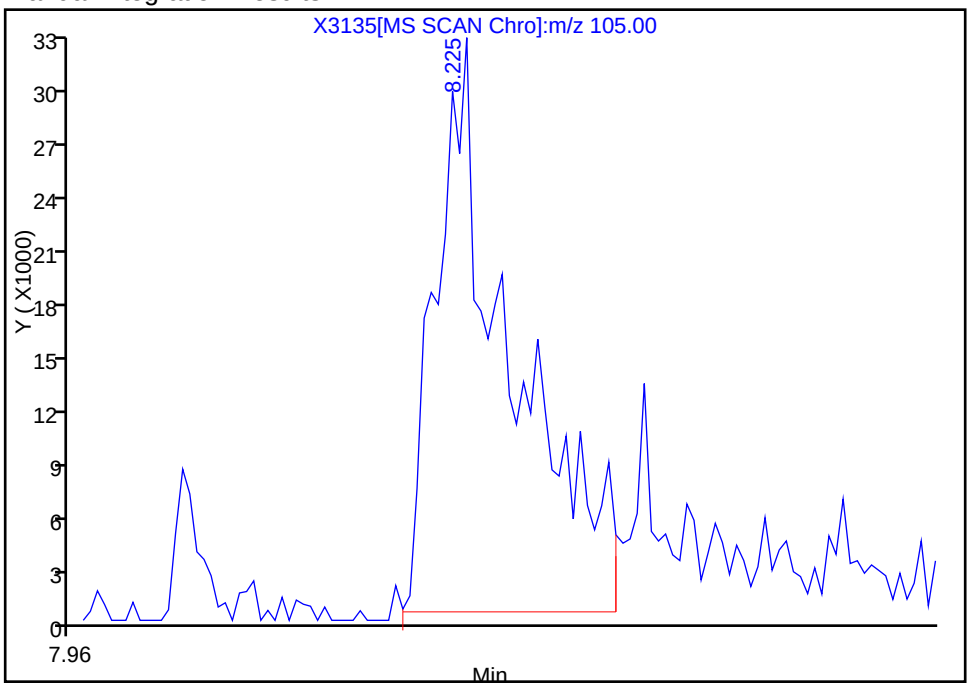
Processing Integration Results

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

Report Date: 18-Dec-2012 16:43:10 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

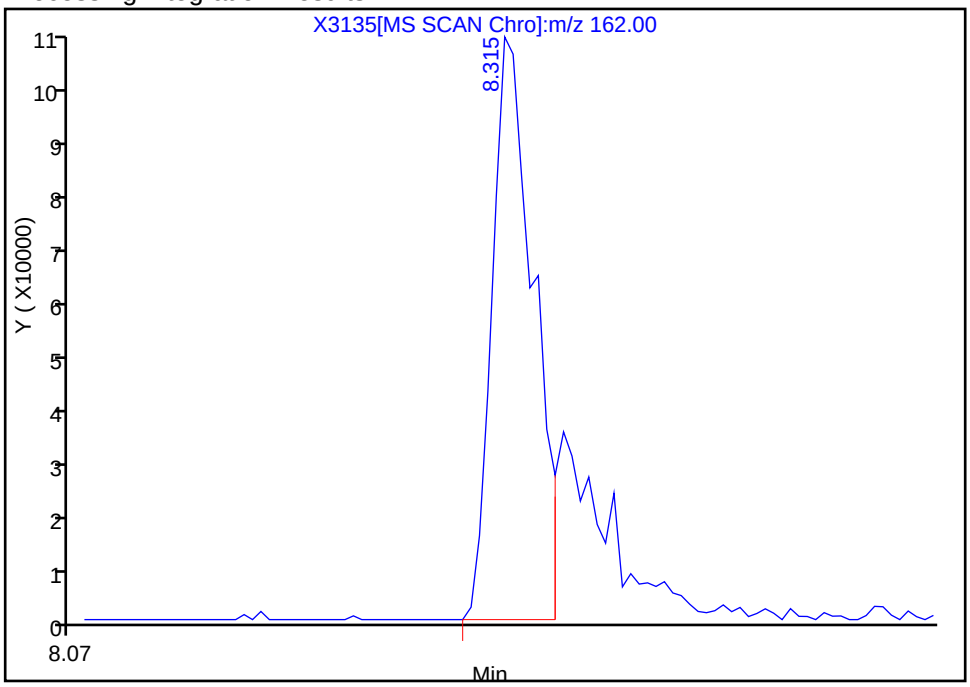
TestAmerica Buffalo

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

47 2,4-Dichlorophenol, Signal: 1, m/z: 162.0 Type: quant, RT: 8.32

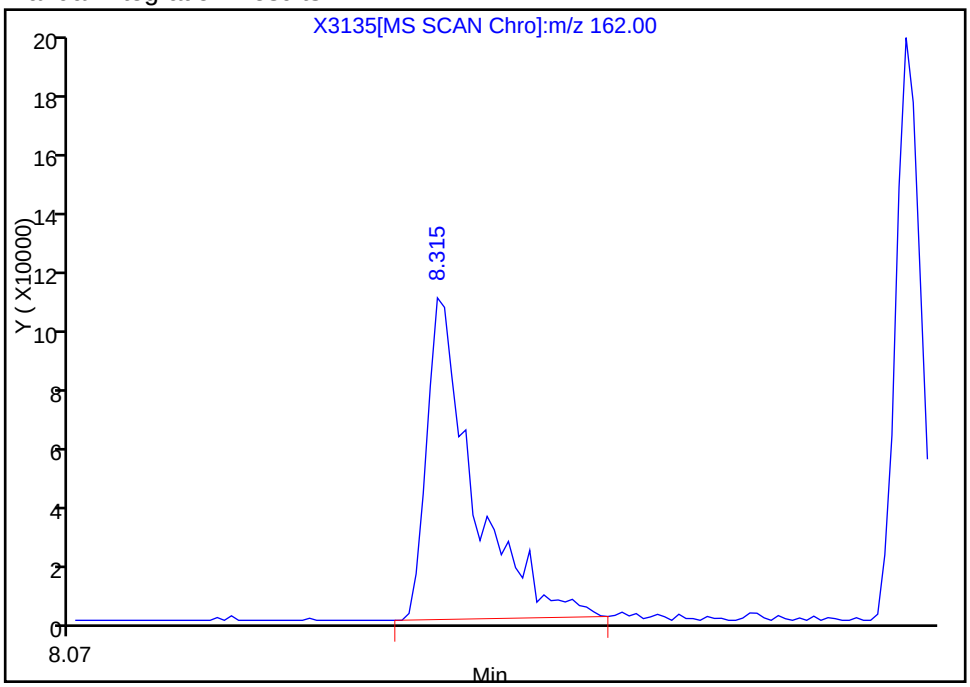
Processing Integration Results

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

Manual Integration/User Assign Peak Report

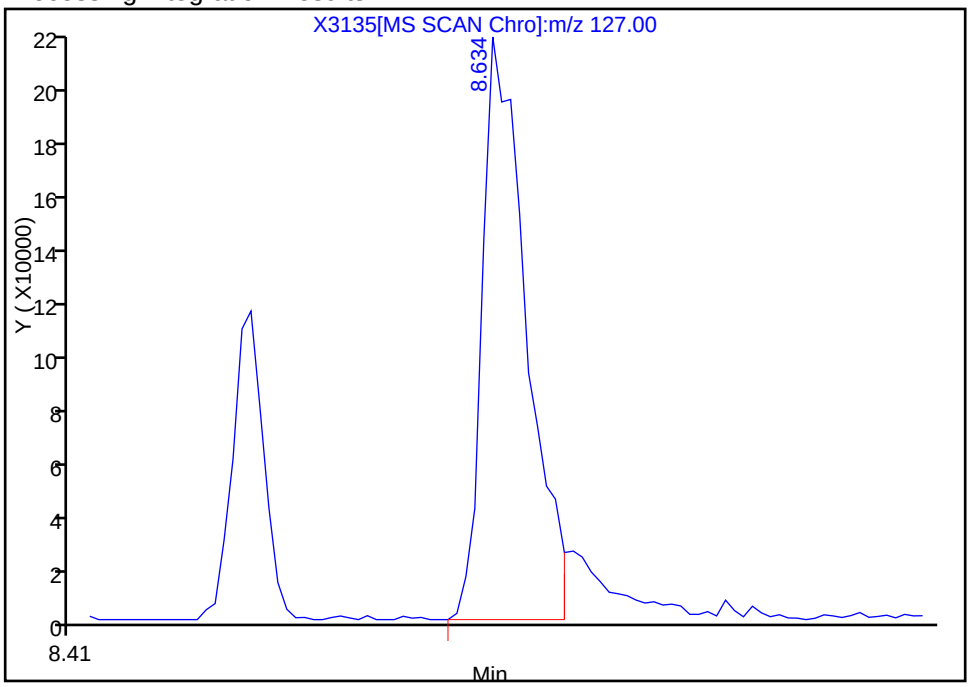
TestAmerica Buffalo

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

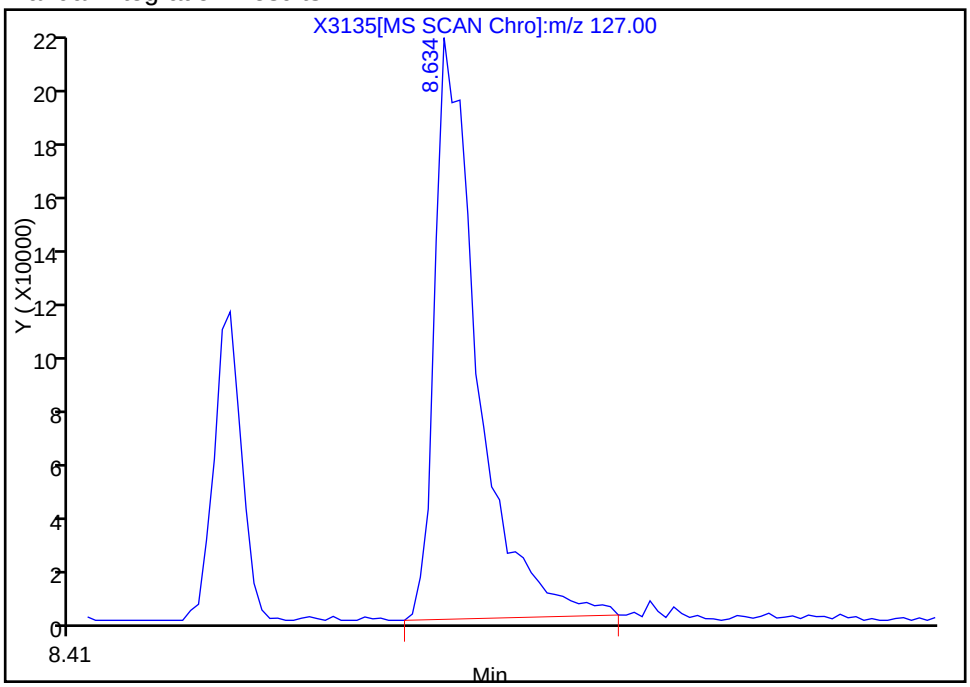
Processing Integration Results

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

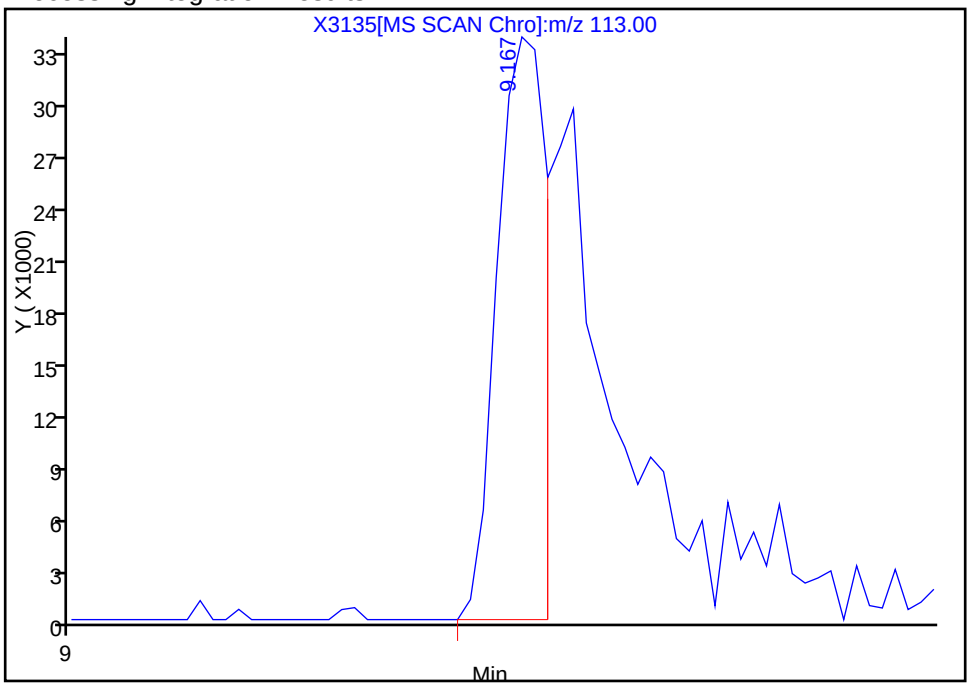
TestAmerica Buffalo

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

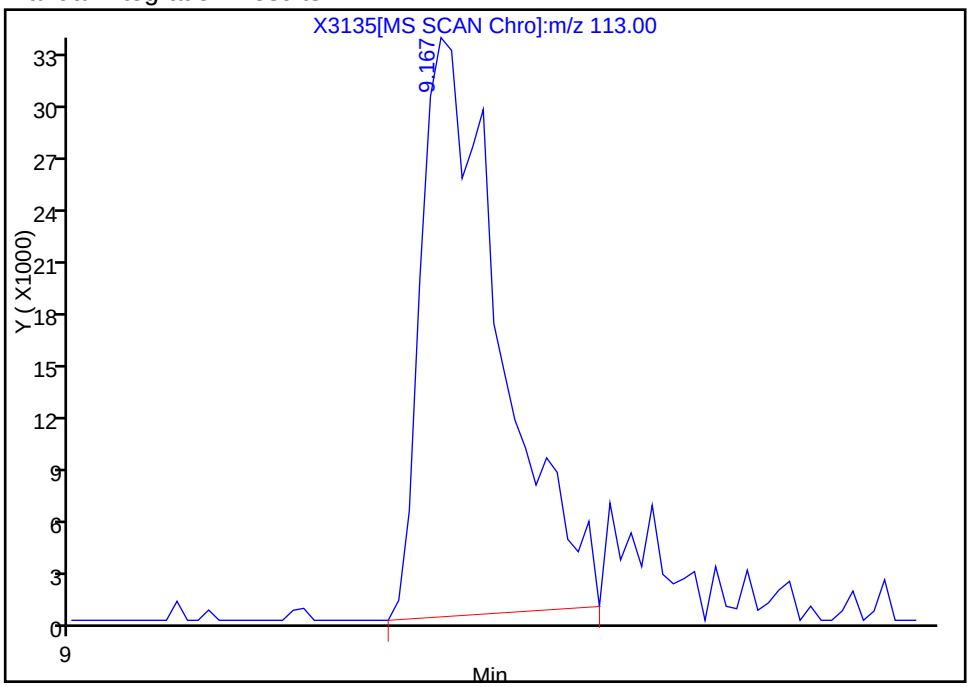
Processing Integration Results

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

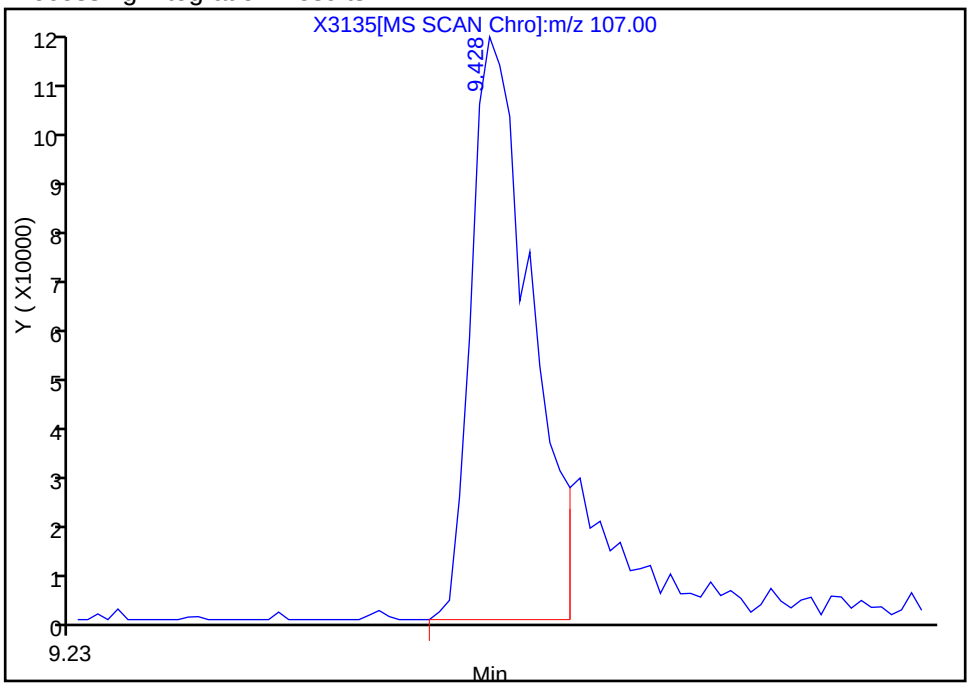
TestAmerica Buffalo

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

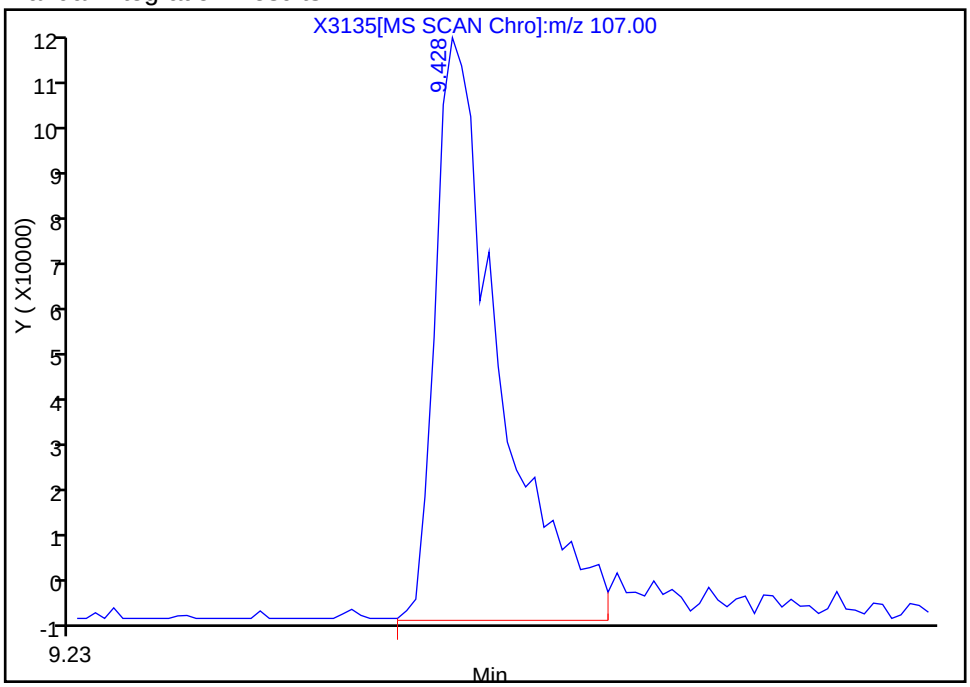
Processing Integration Results

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

Report Date: 18-Dec-2012 16:43:10 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

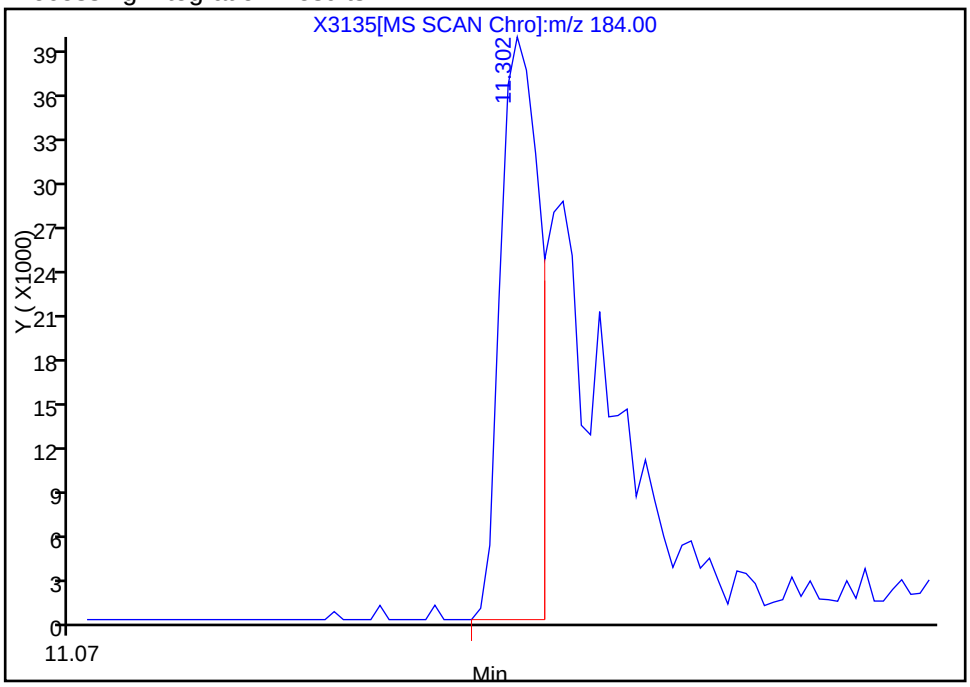
TestAmerica Buffalo

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

72 2,4-Dinitrophenol, Signal: 1, m/z: 184.0 Type: quant, RT: 11.30

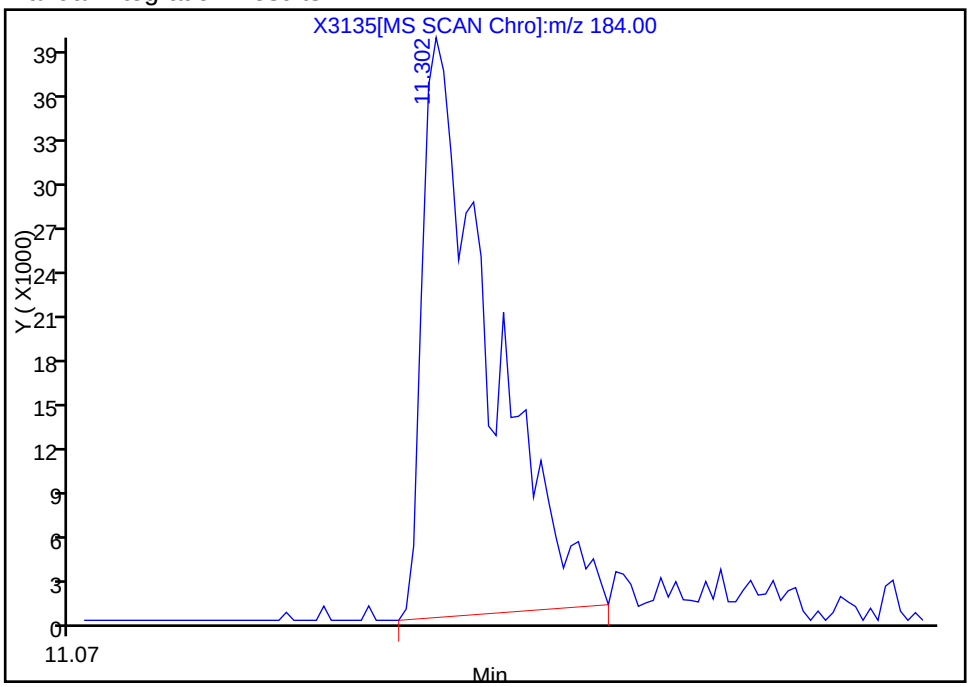
Processing Integration Results

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

Report Date: 18-Dec-2012 16:43:10 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

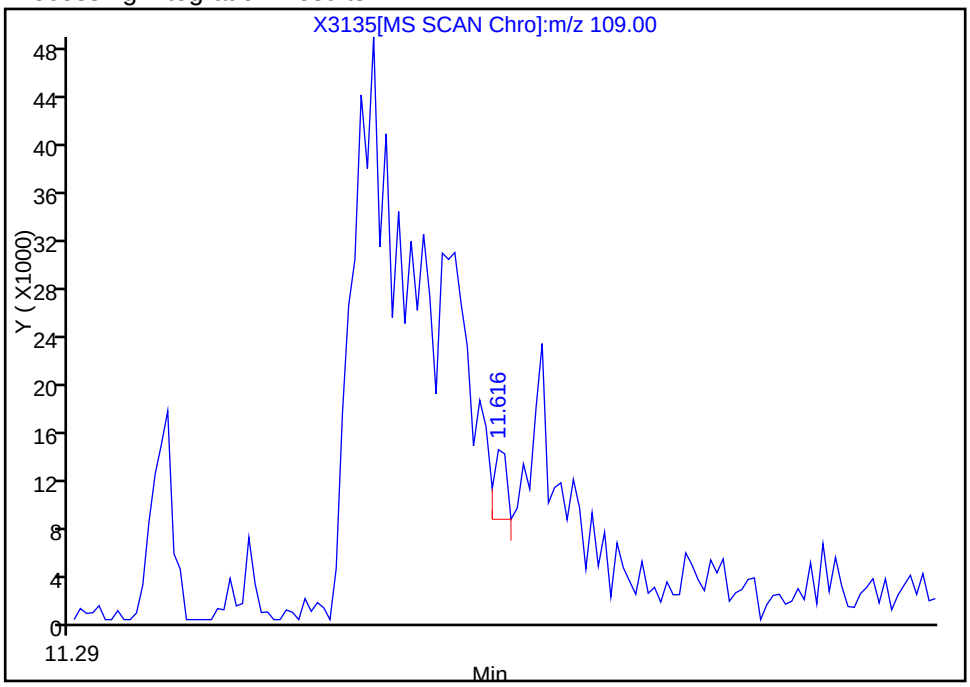
TestAmerica Buffalo

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

75 4-Nitrophenol, Signal: 1, m/z: 109.0 Type: quant, RT: 11.52

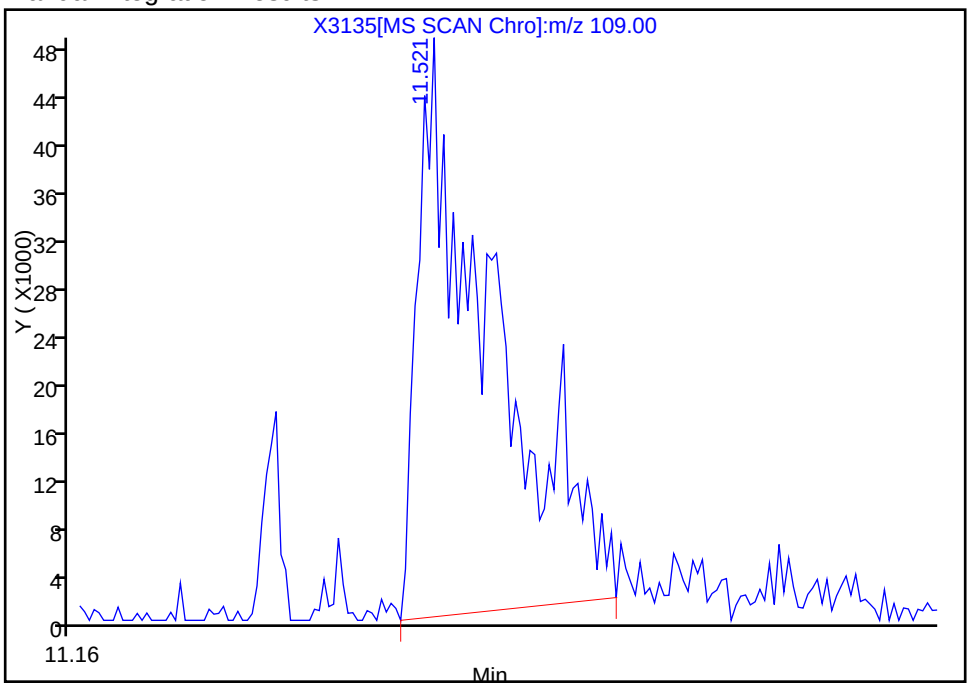
Processing Integration Results

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					

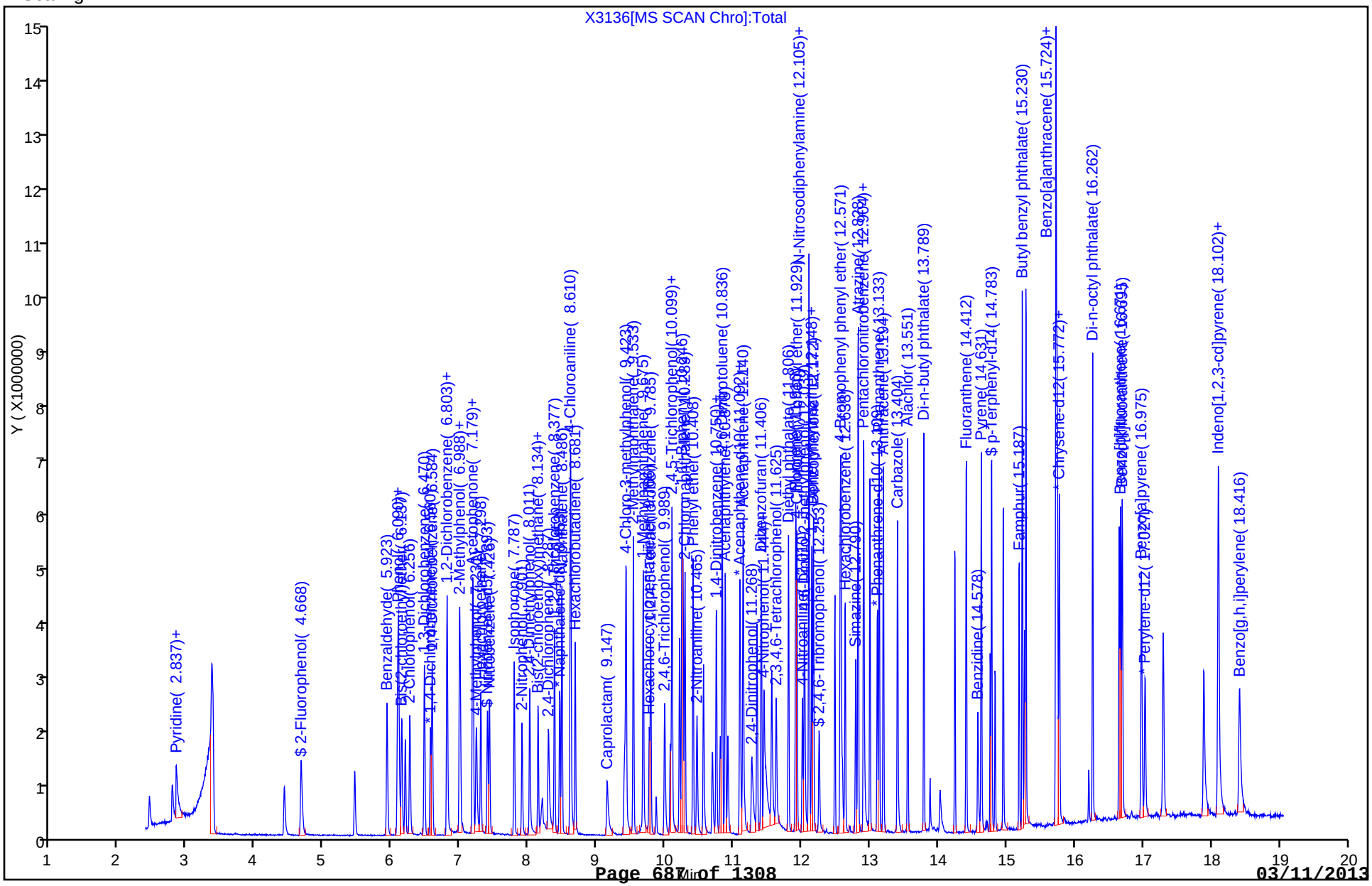
QC Flag Legend

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

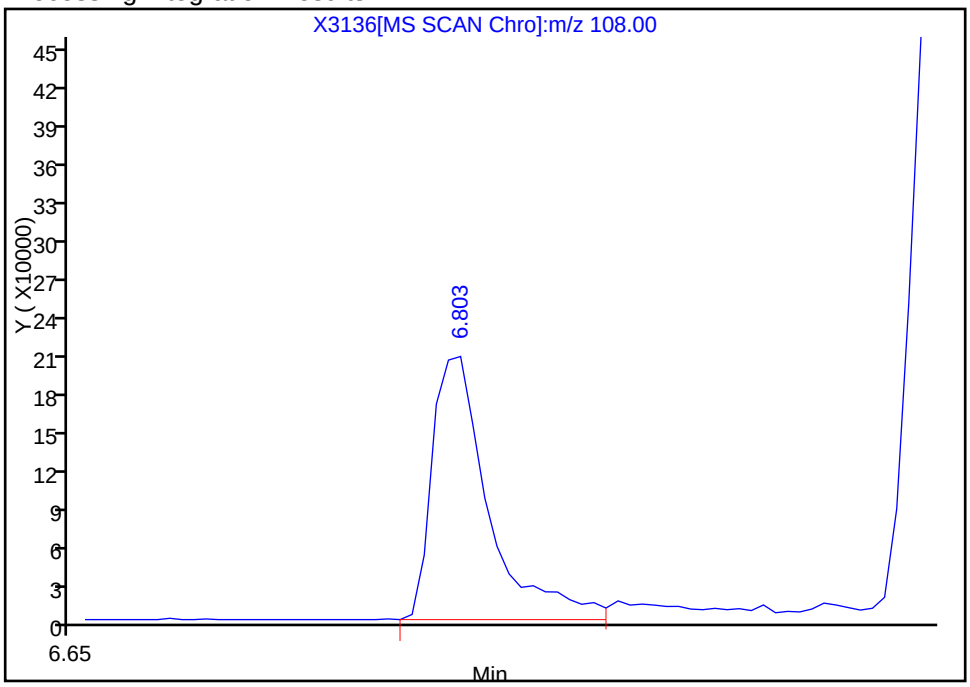
TestAmerica Buffalo

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

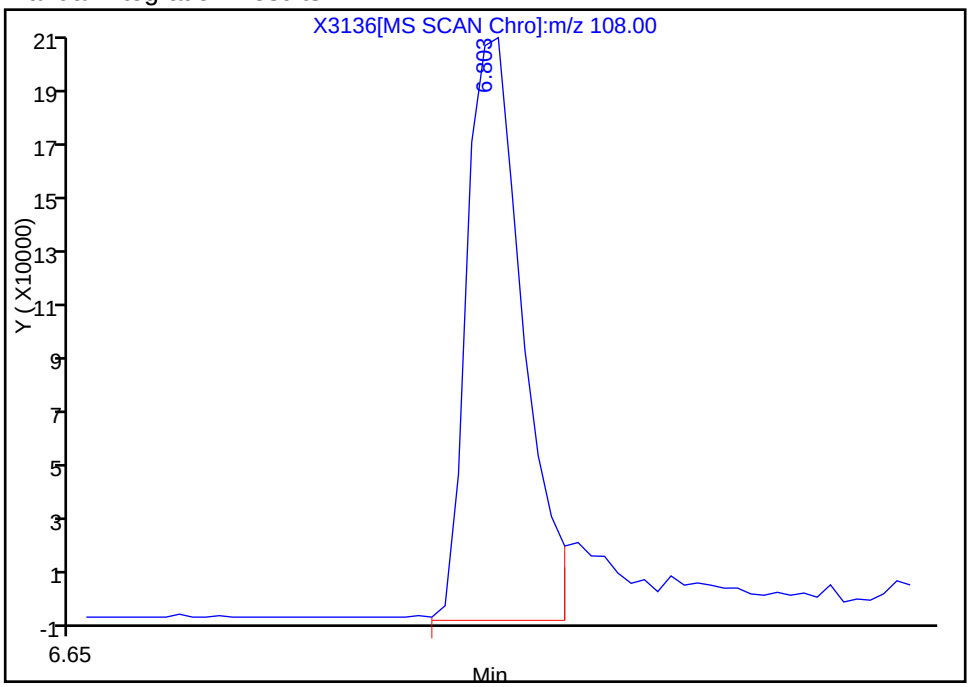
Processing Integration Results

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

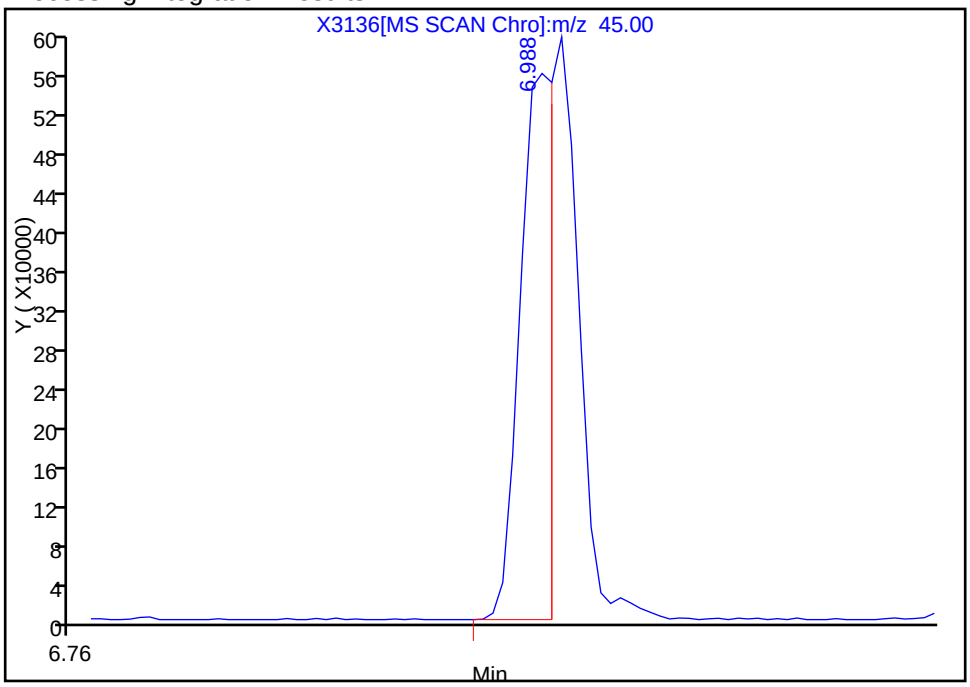
TestAmerica Buffalo

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

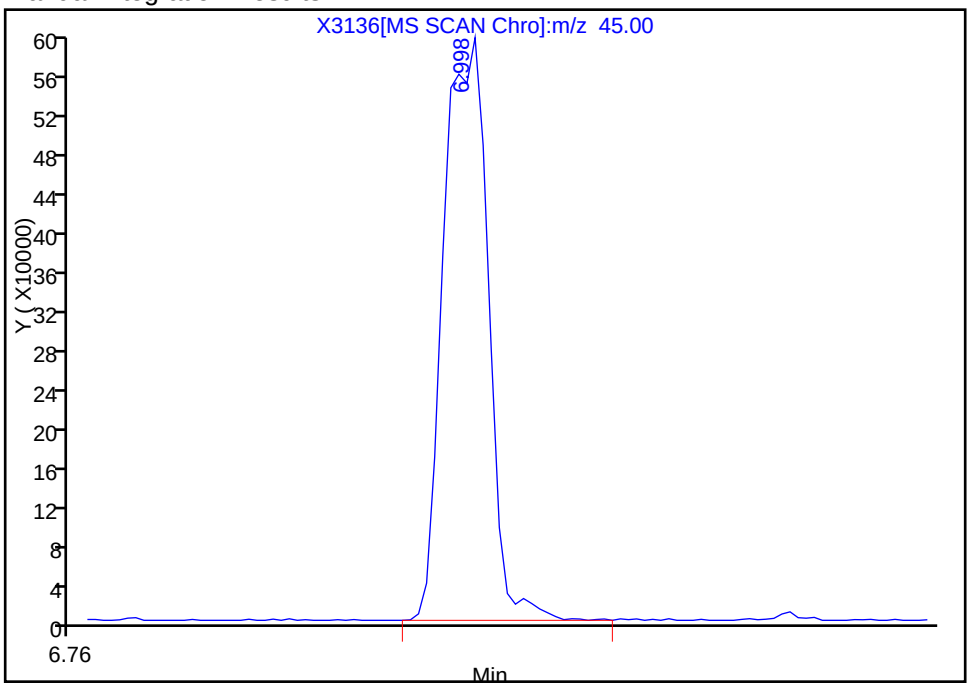
Processing Integration Results

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

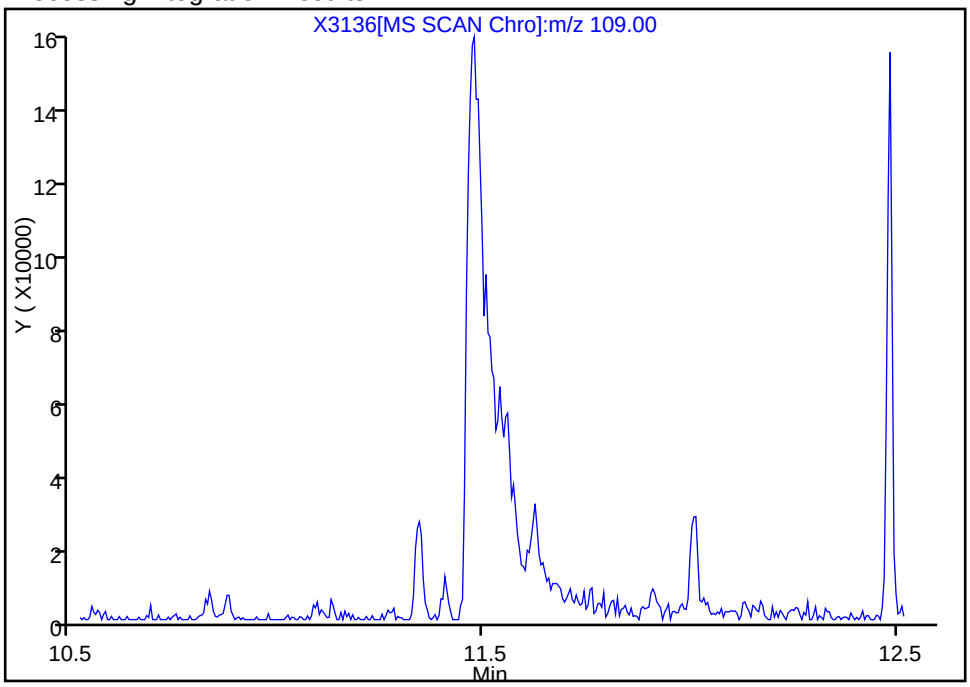
TestAmerica Buffalo

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

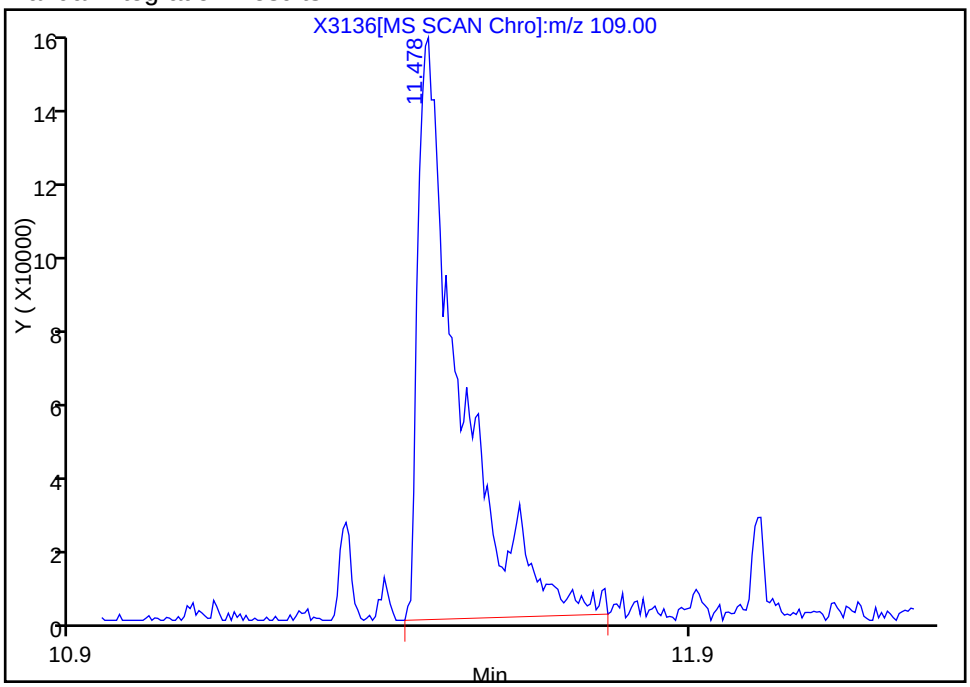
Processing Integration Results

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					

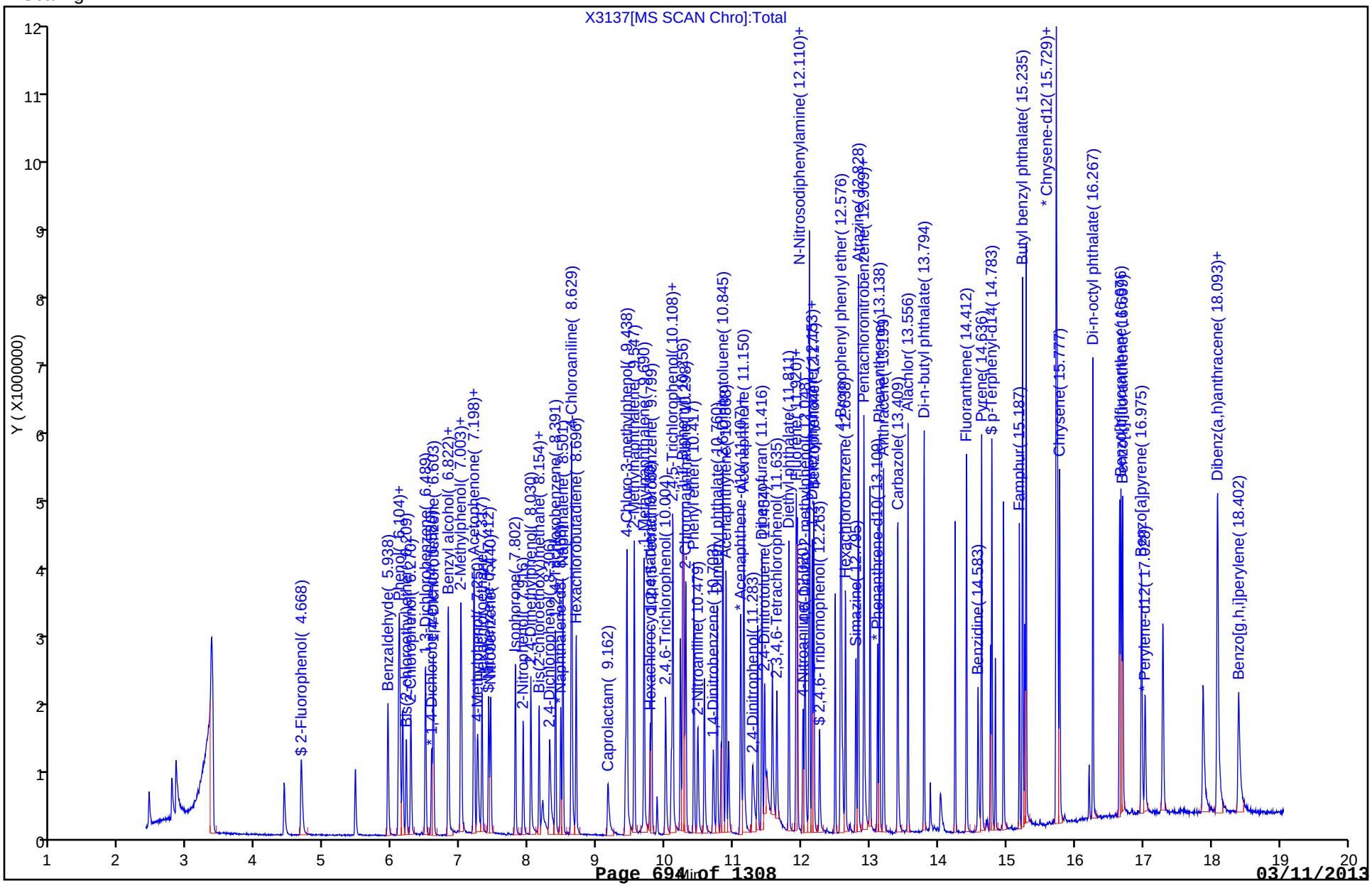
QC Flag Legend

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

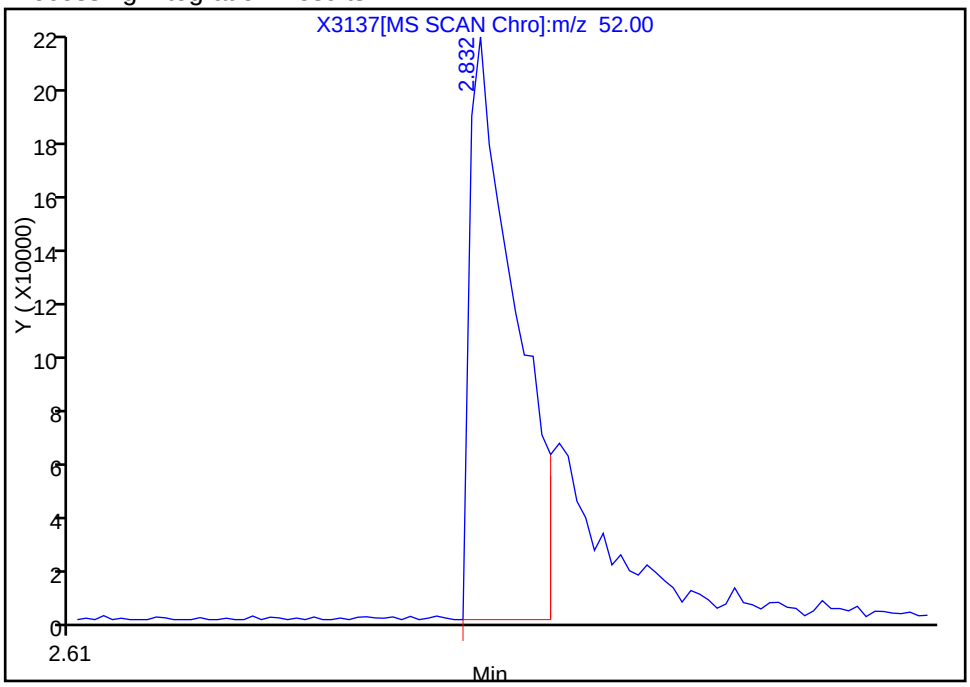
TestAmerica Buffalo

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

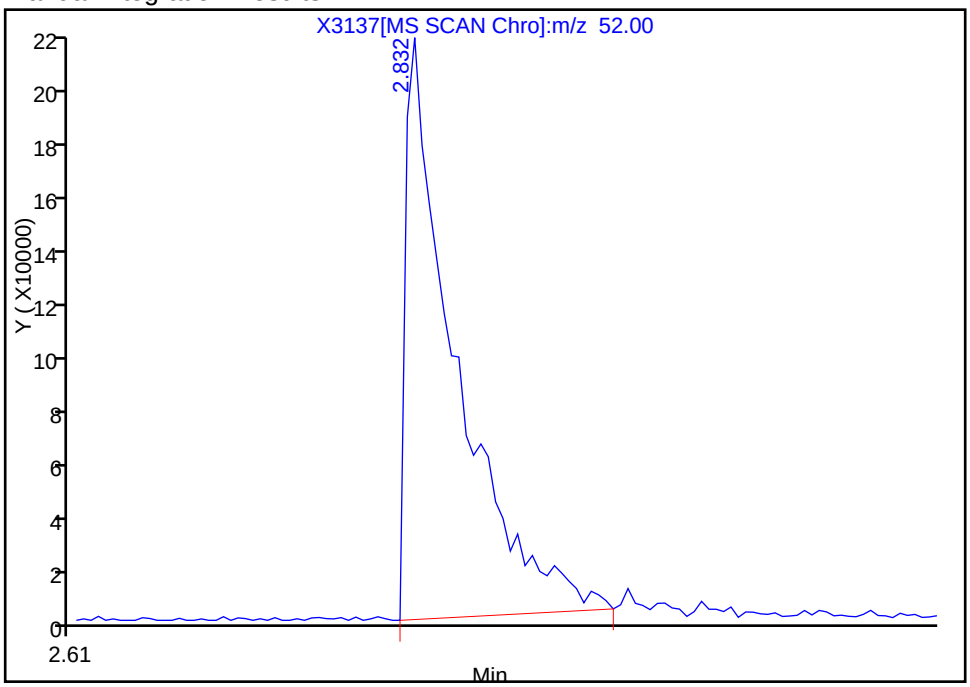
Processing Integration Results

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

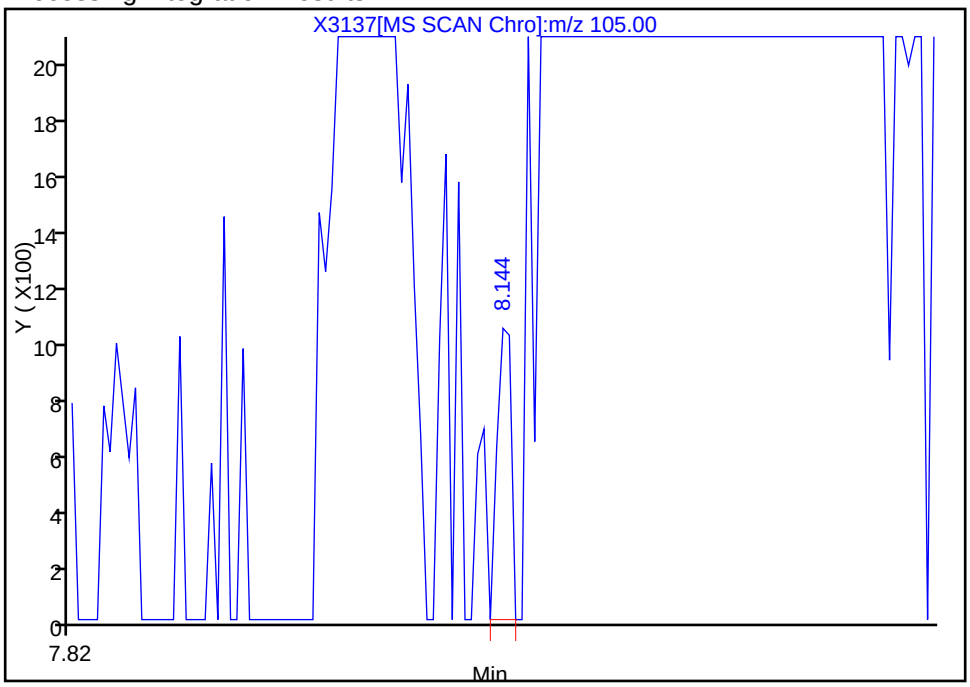
TestAmerica Buffalo

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

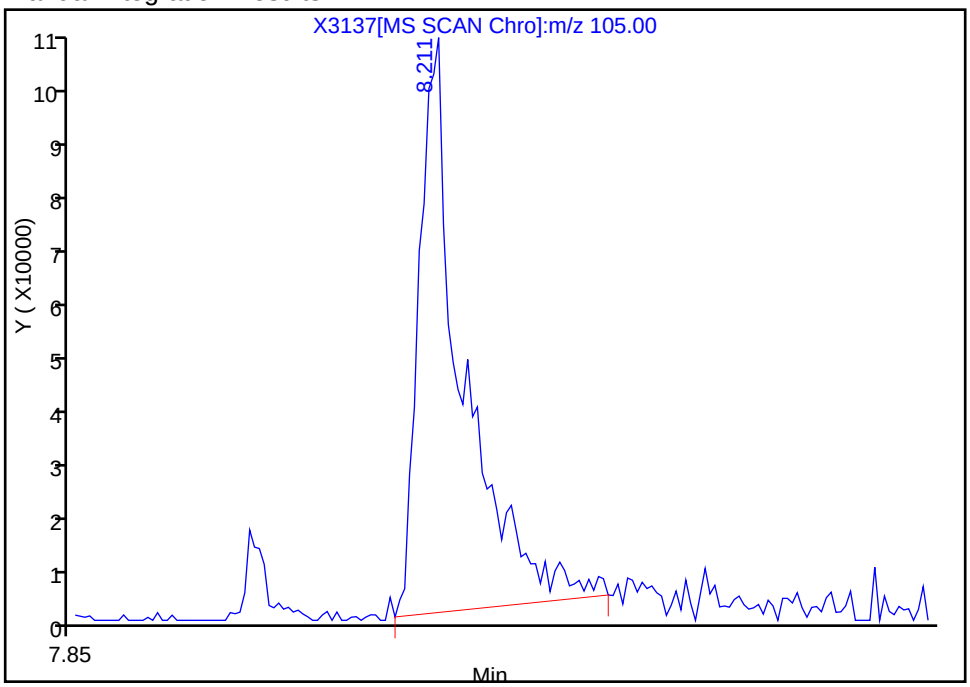
Processing Integration Results

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

Manual Integration/User Assign Peak Report

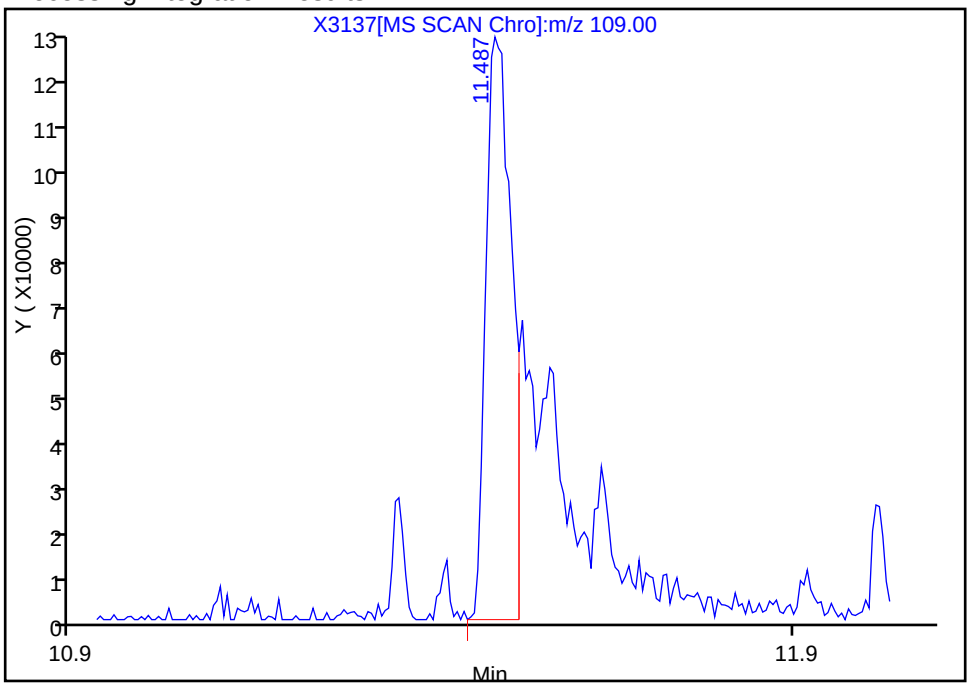
TestAmerica Buffalo

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

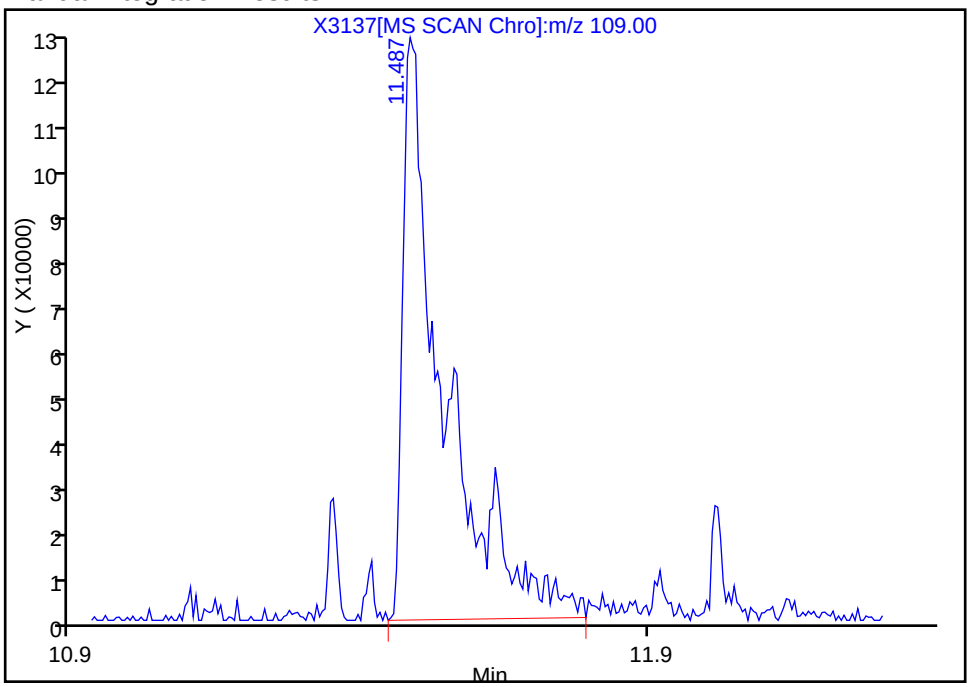
Processing Integration Results

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					

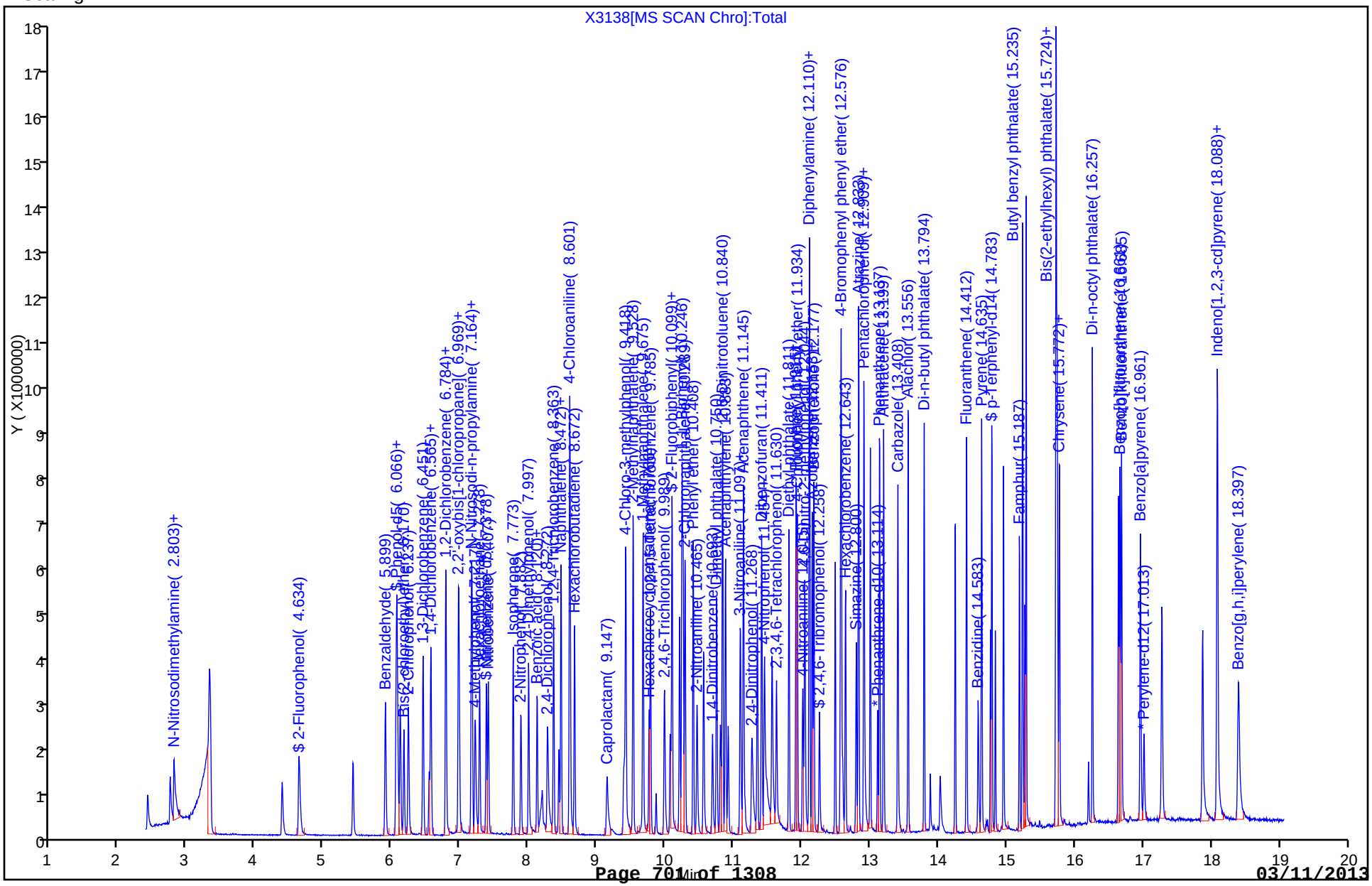
QC Flag Legend

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

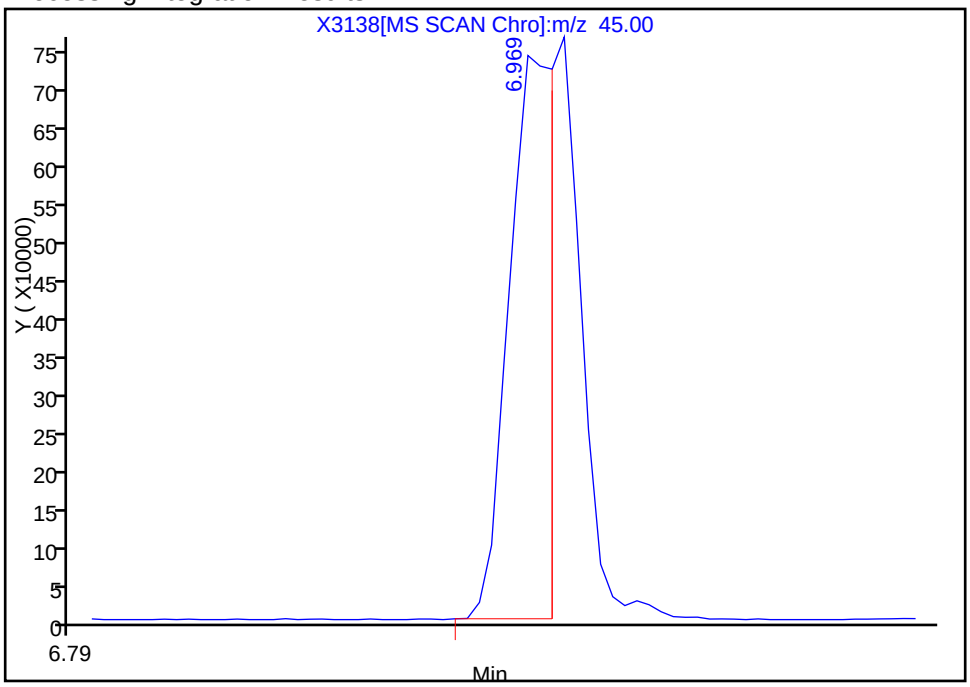
TestAmerica Buffalo

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

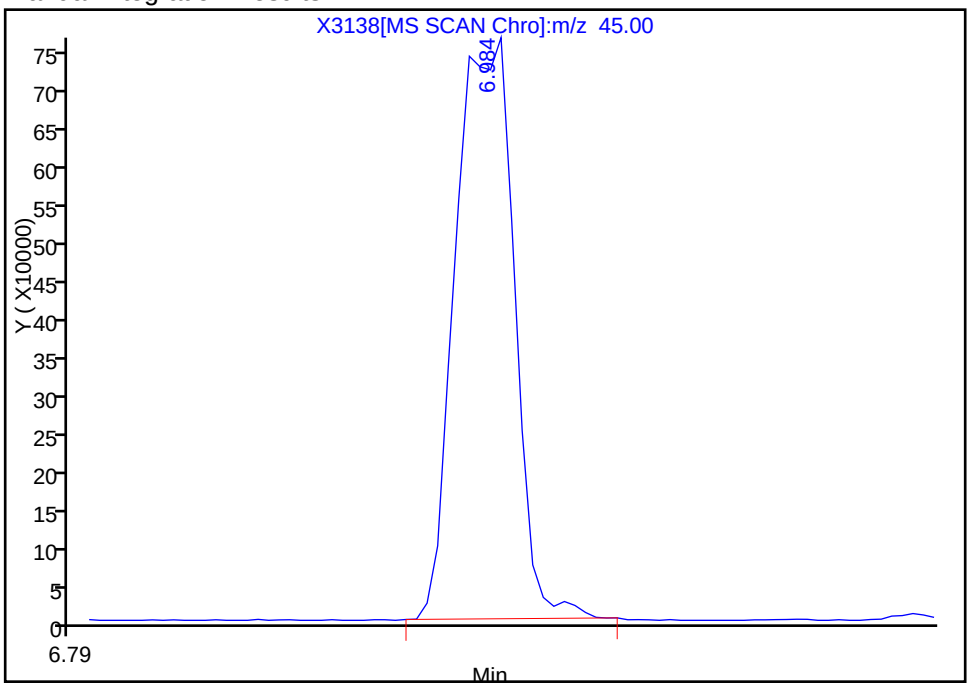
Processing Integration Results

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

Report Date: 18-Dec-2012 16:43:18 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

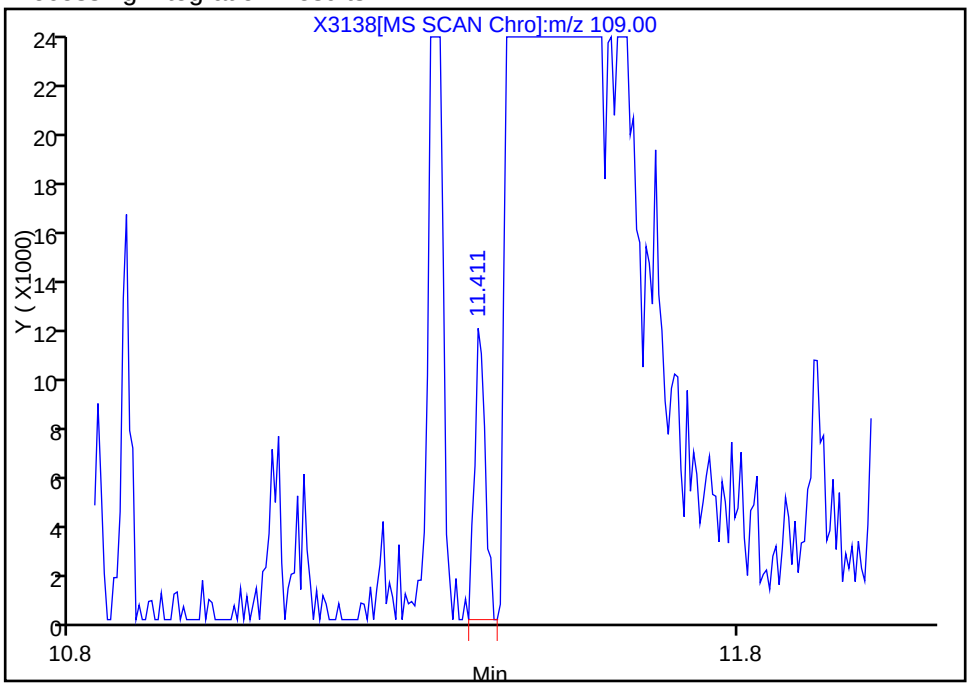
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\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

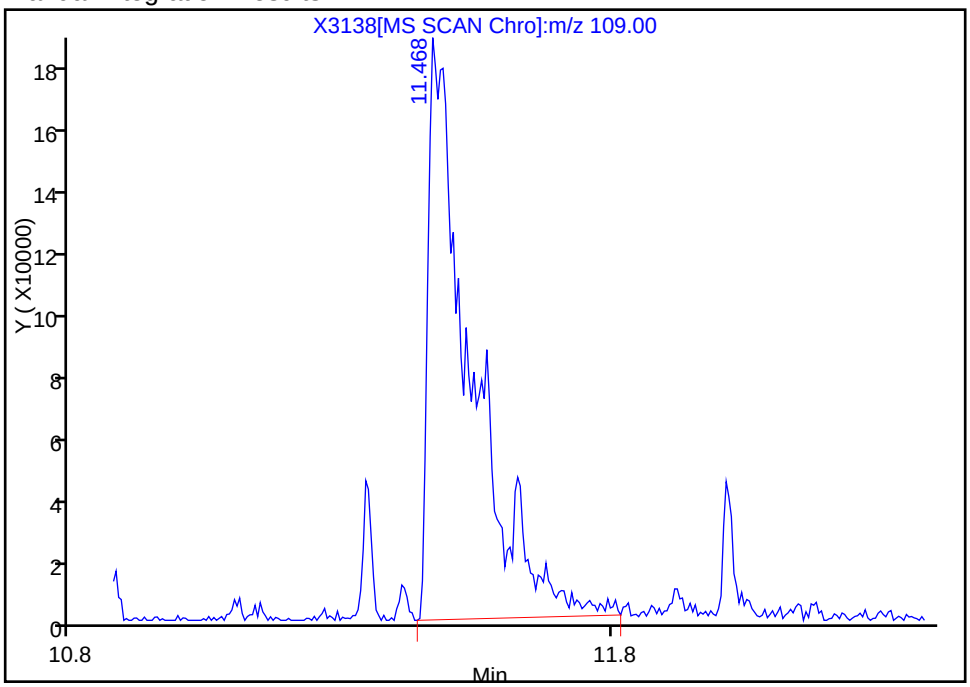
Processing Integration Results

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

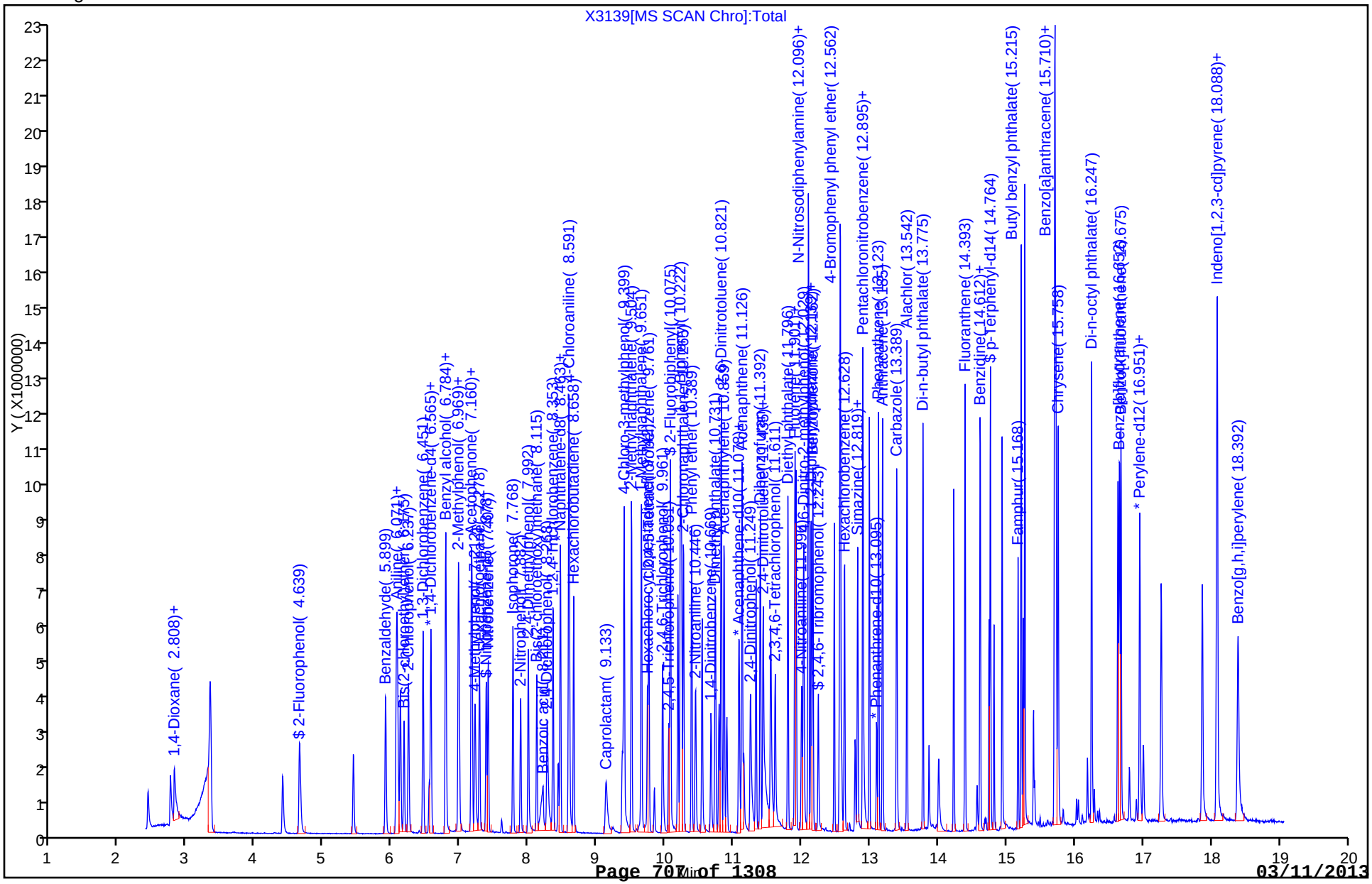
Review Flags
M - Manually Integrated

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

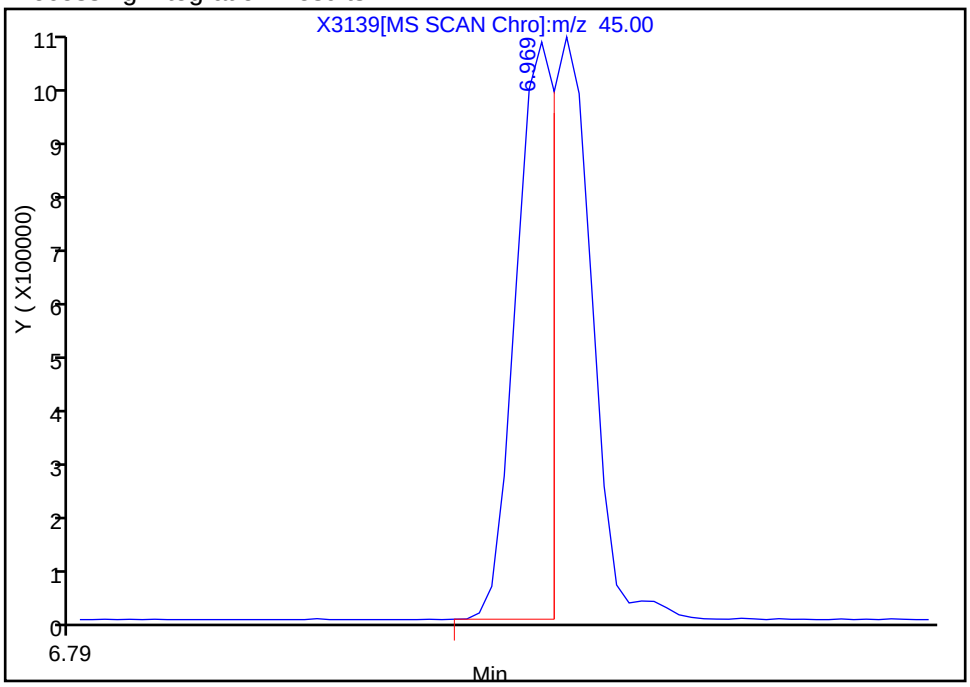
TestAmerica Buffalo

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

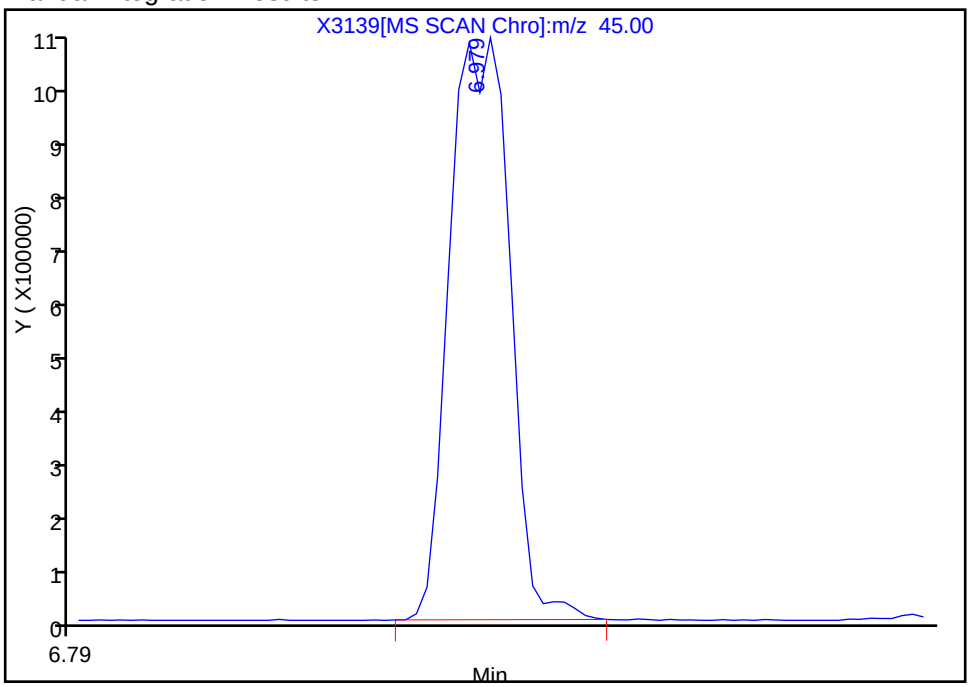
Processing Integration Results

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

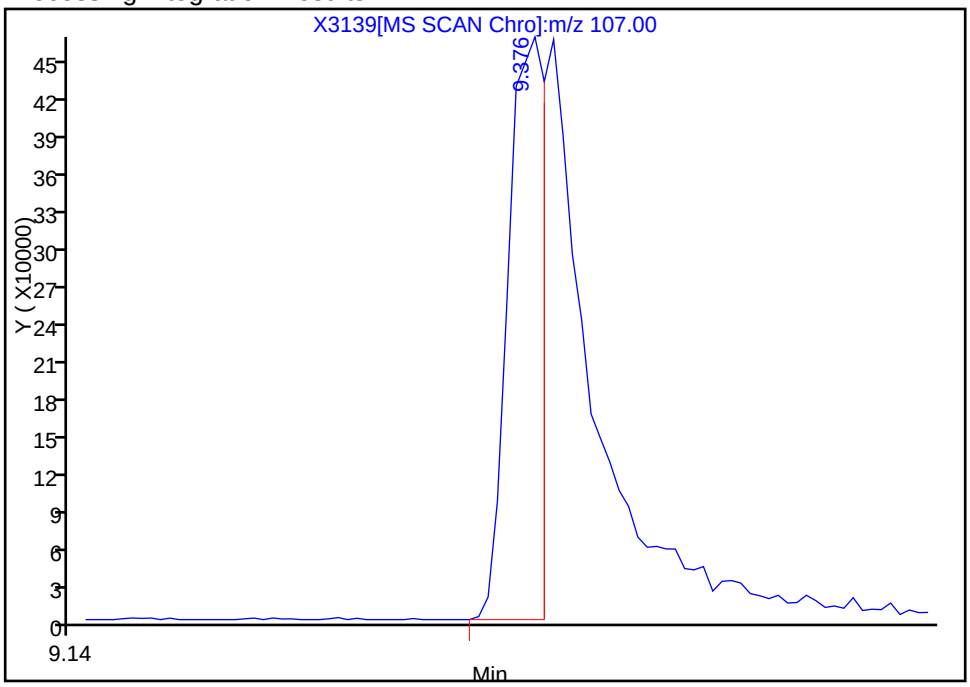
TestAmerica Buffalo

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

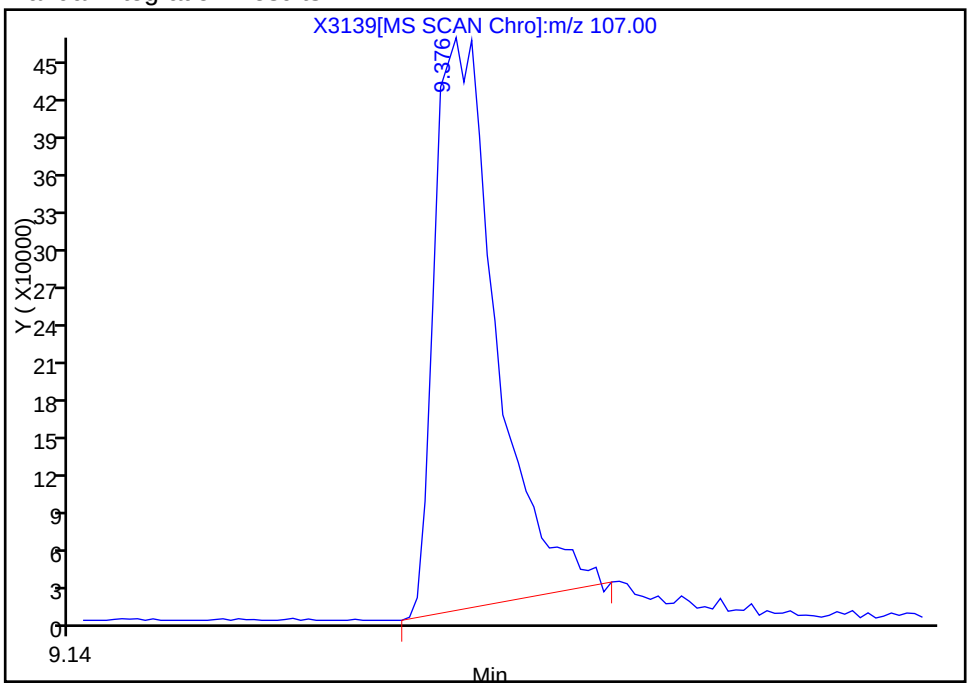
Processing Integration Results

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

Report Date: 18-Dec-2012 16:43:21 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

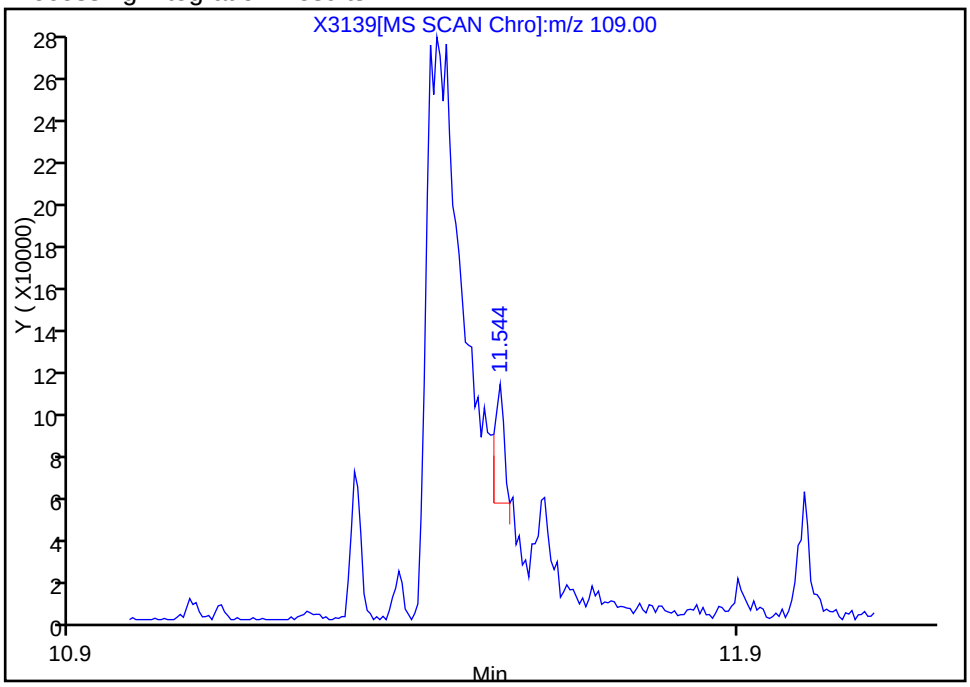
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\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

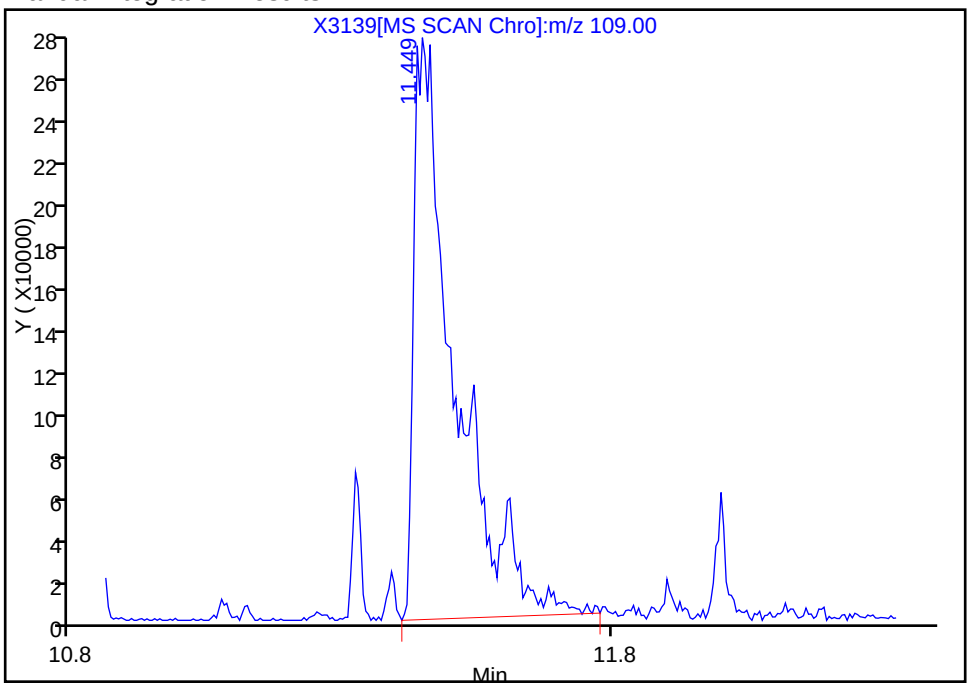
Processing Integration Results

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.: 480-30197-1

SDG No.:

Lab Sample ID: CCVIS 480-96568/2 Calibration Date: 12/19/2012 11:16

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: X3155.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Lin1		0.5232		8180	8000	2.3	20.0
N-Nitrosodimethylamine	Ave	0.9135	1.000		8760	8000	9.4	20.0
Pyridine	Ave	0.9276	0.9874		8520	8000	6.5	20.0
Benzaldehyde	Ave	0.9800	1.090	0.0100	8890	8000	11.2	20.0
Aniline	Ave	1.831	1.901		8310	8000	3.8	20.0
Phenol	Ave	1.523	1.498	0.7000	7870	8000	-1.6	20.0
Bis(2-chloroethyl)ether	Ave	1.199	1.250	0.6000	8340	8000	4.3	20.0
2-Chlorophenol	Ave	1.295	1.385	0.8000	8560	8000	6.9	20.0
1,3-Dichlorobenzene	Ave	1.606	1.554		7740	8000	-3.3	20.0
1,4-Dichlorobenzene	Ave	1.604	1.588		7920	8000	-1.0	20.0
1,2-Dichlorobenzene	Ave	1.496	1.550		8290	8000	3.6	20.0
Benzyl alcohol	QuaF		0.3953		6990	8000	-12.6	20.0
2-Methylphenol	Ave	1.087	1.122	0.6000	8260	8000	3.2	20.0
2,2'-oxybis[1-chloropropane]	Ave	1.949	1.974	0.0100		8000	1.3	20.0
Acetophenone	Ave	1.854	2.018	0.0100	8710	8000	8.8	20.0
N-Nitrosodi-n-propylamine	Ave	0.9313	1.049	0.0500	9010	8000	12.6	20.0
4-Methylphenol	Ave	1.101	1.102	0.6000	8010	8000	0.1	20.0
Hexachloroethane	Lin1		0.6376	0.3000	8010	8000	0.2	20.0
Nitrobenzene	Ave	0.3891	0.4199	0.1000	8630	8000	7.9	20.0
Isophorone	Ave	0.6400	0.6968	0.3000	8710	8000	8.9	20.0
2-Nitrophenol	Ave	0.1771	0.1999	0.0500	9030	8000	12.9	20.0
2,4-Dimethylphenol	Ave	0.3340	0.3395	0.1000	8130	8000	1.6	20.0
Bis(2-chloroethoxy)methane	Ave	0.3791	0.4093	0.2000	8640	8000	8.0	20.0
Benzoic acid	QuaF		0.2299		10200	8000	27.2*	20.0
2,4-Dichlorophenol	Ave	0.2718	0.2680	0.1000	7890	8000	-1.4	20.0
1,2,4-Trichlorobenzene	Ave	0.3341	0.3381		8090	8000	1.2	20.0
Naphthalene	Ave	1.108	1.129	0.6000	8150	8000	1.9	20.0
4-Chloroaniline	Ave	0.4008	0.4569	0.0100	9120	8000	14.0	20.0
Hexachlorobutadiene	Ave	0.1826	0.1871	0.0100	8200	8000	2.5	20.0
Caprolactam	Ave	0.0989	0.1173	0.0100	9490	8000	18.6	20.0
4-Chloro-3-methylphenol	Ave	0.3003	0.3333	0.2000	8880	8000	11.0	20.0
2-Methylnaphthalene	Ave	0.7764	0.8081	0.4000	8330	8000	4.1	20.0
1-Methylnaphthalene	Ave	0.7151	0.7229			8000	1.1	20.0
Hexachlorocyclopentadiene	QuaF		0.1988	0.0500	8570	8000	7.1	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.4691	0.5028	0.0100	8570	8000	7.2	20.0
2,4,6-Trichlorophenol	Ave	0.2887	0.3276	0.2000	9080	8000	13.5	20.0
2,4,5-Trichlorophenol	Ave	0.2793	0.3092	0.2000	8860	8000	10.7	20.0
1,1'-Biphenyl	Ave	1.446	1.552	0.0100	8590	8000	7.3	20.0
2-Chloronaphthalene	Lin1		1.132	0.8000	8100	8000	1.3	20.0
Phenyl ether	Ave	0.7862	0.8161		8300	8000	3.8	20.0
2-Nitroaniline	Ave	0.3311	0.3808	0.0100	9200	8000	15.0	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-30197-1

SDG No.:

Lab Sample ID: CCVIS 480-96568/2 Calibration Date: 12/19/2012 11:16

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: X3155.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	1.424	0.0100	8810	8000	10.1	20.0
2,6-Dinitrotoluene	Ave	0.5865	0.6507	0.1000	8870	8000	10.9	20.0
Acenaphthylene	Ave	1.749	1.872	0.9000	8560	8000	7.1	20.0
3-Nitroaniline	Ave	0.2913	0.2861	0.0100	7860	8000	-1.8	20.0
Acenaphthene	Ave	1.218	1.211	0.9000	7960	8000	-0.5	20.0
2,4-Dinitrophenol	QuaF		0.1474	0.0100	19000	16000	18.8	20.0
Dibenzofuran	Ave	1.486	1.673	0.8000	9010	8000	12.6	20.0
2,4-Dinitrotoluene	Ave	0.3744	0.4302	0.2000	9190	8000	14.9	20.0
4-Nitrophenol	Ave	0.2503	0.2499	0.0500	16000	16000	-0.2	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.2247	0.2716	0.0100	9670	8000	20.9*	20.0
Diethyl phthalate	Ave	1.417	1.521	0.0100	8590	8000	7.4	20.0
Fluorene	Ave	1.359	1.442	0.8000	8490	8000	6.2	20.0
4-Chlorophenyl phenyl ether	Ave	0.6017	0.6195	0.4000	8240	8000	3.0	20.0
4-Nitroaniline	Lin1		0.3444	0.0100	8560	8000	7.0	20.0
4,6-Dinitro-2-methylphenol	Lin1		0.2291	0.0100	17000	16000	6.5	20.0
Diphenylamine	Ave	1.164	1.249		8590	8000	7.3	20.0
N-Nitrosodiphenylamine	Ave	1.163	1.249	0.0100	8590	8000	7.4	20.0
1,2-Diphenylhydrazine	Ave	0.7515	0.8873		9450	8000	18.1	20.0
Azobenzene	Ave	0.7500	0.8873		9470	8000	18.3	20.0
Benzophenone	Ave	1.189	1.276		8590	8000	7.3	20.0
4-Bromophenyl phenyl ether	Ave	0.1874	0.1943	0.1000	8300	8000	3.7	20.0
Hexachlorobenzene	Lin1		0.2010	0.1000	8140	8000	1.8	20.0
Atrazine	Ave	0.3761	0.3841	0.0100	16300	16000	2.1	20.0
Pentachloronitrobenzene	Lin1		0.1046		7960	8000	-0.5	20.0
Pentachlorophenol	Lin1		0.0989	0.0500	16400	16000	2.5	20.0
Phenanthrene	Ave	1.115	1.142	0.6000	8200	8000	2.4	20.0
Anthracene	Ave	1.135	1.150	0.6000	8100	8000	1.3	20.0
Carbazole	Ave	1.052	1.096	0.0100		8000	4.1	20.0
Di-n-butyl phthalate	Ave	1.220	1.303	0.0100	8540	8000	6.8	20.0
Fluoranthene	Ave	1.104	1.144	0.6000	8290	8000	3.7	20.0
Benzidine	Ave	0.5523	0.4795		6950	8000	-13.2	20.0
Pyrene	Ave	1.340	1.350	0.6000	8060	8000	0.8	20.0
Butyl benzyl phthalate	Ave	0.7409	0.7899	0.0100	8530	8000	6.6	20.0
3,3'-Dichlorobenzidine	Ave	0.4492	0.4947	0.0100	8810	8000	10.1	20.0
Bis(2-ethylhexyl) phthalate	Ave	1.020	1.074	0.0100	8430	8000	5.3	20.0
Benzo[a]anthracene	Ave	1.077	1.143	0.6000	8490	8000	6.1	20.0
Chrysene	Ave	1.222	1.102	0.6000	7210	8000	-9.8	20.0
Di-n-octyl phthalate	Ave	1.608	1.649	0.0100	8200	8000	2.5	20.0
Benzo[b]fluoranthene	Ave	1.161	1.219	0.7000	8400	8000	4.9	20.0
Benzo[k]fluoranthene	Ave	1.196	1.295	0.7000	8660	8000	8.3	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.: 480-30197-1

SDG No.:

Lab Sample ID: CCVIS 480-96568/2 Calibration Date: 12/19/2012 11:16

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: X3155.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	1.099	0.4000	8640	8000	8.0	20.0
Indeno[1,2,3-cd]pyrene	Ave	1.198	1.286	0.5000	8580	8000	7.3	20.0
Benzo[g,h,i]perylene	Ave	1.000	0.9637	0.4000	7710	8000	-3.6	20.0
2-Fluorophenol	Ave	1.135	1.214		8560	8000	7.0	20.0
Phenol-d5	Ave	1.381	1.486		8610	8000	7.6	20.0
Nitrobenzene-d5	Ave	0.3749	0.4200		8960	8000	12.0	20.0
2-Fluorobiphenyl	Ave	1.255	1.380		8800	8000	10.0	20.0
2,4,6-Tribromophenol	Ave	0.0920	0.0994		8650	8000	8.1	20.0
p-Terphenyl-d14	Ave	0.9641	0.9942		8250	8000	3.1	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3155.D
Lims ID: CCVIS Client ID:
Inject. Date: 19-Dec-2012 11:16:30 Dil. Factor: 1.0000
Sample Type: CCVIS
Sample ID: 480-0017692-002
Misc. Info.:
Operator: ANM Instrument ID: HP5973X
Injection Vol: 1.0 ul ALS Bottle#: 3
Lims Batch ID: 96568 Lims Sample ID: 2
Sublist: chrom-X-8270LL*sub20
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973X\20121219-17692.b\X-8270LL.m
Last Update: 19-Dec-2012 12:55:45 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: XAWRK011

First Level Reviewer: mckernar Date: 19-Dec-2012 12:55:44

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.546	6.546	0.0	85	274599	5.00	
* 2 Naphthalene-d8	136	8.482	8.482	0.0	97	1016907	5.00	
* 3 Acenaphthene-d10	164	11.107	11.107	0.0	92	649393	5.00	
* 4 Phenanthrene-d10	188	13.104	13.104	0.0	97	1154507	5.00	
* 5 Chrysene-d12	240	15.753	15.753	0.0	85	968241	5.00	
* 6 Perylene-d12	264	17.037	17.037	0.0	94	926885	5.00	
$ 7 2-Fluorophenol	112	4.620	4.620	0.0	73	533512	8.56	
$ 8 Phenol-d5	99	6.056	6.056	0.0	87	652963	8.61	
$ 9 Nitrobenzene-d5	82	7.407	7.407	0.0	82	683295	8.96	
$ 10 2-Fluorobiphenyl	172	10.122	10.122	0.0	95	1433955	8.80	
$ 11 2,4,6-Tribromophenol	330	12.257	12.257	0.0	77	183630	8.65	
$ 12 p-Terphenyl-d14	244	14.778	14.778	0.0	95	1540212	8.25	
18 1,4-Dioxane	88	2.394	2.394	0.0	73	229881	8.18	M
19 N-Nitrosodimethylamine	42	2.718	2.718	0.0	73	439230	8.76	
20 Pyridine	52	2.784	2.784	0.0	92	433840	8.52	
21 Benzaldehyde	77	5.895	5.895	0.0	91	478747	8.89	
23 Aniline	93	6.066	6.066	0.0	94	835002	8.31	
22 Phenol	94	6.075	6.075	0.0	42	658198	7.87	
24 Bis(2-chloroethyl)ether	93	6.170	6.170	0.0	99	549263	8.34	
25 2-Chlorophenol	128	6.237	6.237	0.0	98	608349	8.56	
26 1,3-Dichlorobenzene	146	6.456	6.456	0.0	97	682629	7.74	
27 1,4-Dichlorobenzene	146	6.575	6.575	0.0	70	697564	7.92	
29 1,2-Dichlorobenzene	146	6.798	6.798	0.0	85	681138	8.29	
28 Benzyl alcohol	108	6.803	6.803	0.0	63	173696	6.99	M
32 2,2'-oxybis[1-chloropropane]	45	6.998	6.998	0.0	72	867238	8.10	M
31 2-Methylphenol	108	6.988	6.988	0.0	73	492855	8.26	
33 Acetophenone	105	7.179	7.179	0.0	97	886512	8.71	
34 N-Nitrosodi-n-propylamine	70	7.193	7.193	0.0	81	460733	9.01	
36 4-Methylphenol	108	7.245	7.245	0.0	79	484104	8.01	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
37 Hexachloroethane	117	7.302	7.302	0.0	93	280124	8.01	
38 Nitrobenzene	77	7.435	7.435	0.0	79	683239	8.63	
40 Isophorone	82	7.806	7.806	0.0	74	1133747	8.71	
41 2-Nitrophenol	139	7.925	7.925	0.0	93	325253	9.03	
43 2,4-Dimethylphenol	107	8.039	8.039	0.0	86	552357	8.13	
44 Benzoic acid	105	8.220	8.220	0.0	1	374103	10.2	M
45 Bis(2-chloroethoxy)methane	93	8.163	8.163	0.0	99	665953	8.64	
47 2,4-Dichlorophenol	162	8.315	8.315	0.0	83	436077	7.89	
48 1,2,4-Trichlorobenzene	180	8.405	8.405	0.0	97	550083	8.09	
49 Naphthalene	128	8.515	8.515	0.0	93	1836567	8.15	
51 4-Chloroaniline	127	8.643	8.643	0.0	88	743399	9.12	
52 Hexachlorobutadiene	225	8.715	8.715	0.0	87	304489	8.20	
54 Caprolactam	113	9.185	9.185	0.0	77	190905	9.49	
55 4-Chloro-3-methylphenol	107	9.442	9.442	0.0	93	542251	8.88	
56 2-Methylnaphthalene	142	9.566	9.566	0.0	78	1314878	8.33	
57 1-Methylnaphthalene	142	9.704	9.704	0.0	91	1176115	8.09	
58 Hexachlorocyclopentadiene	237	9.794	9.794	0.0	83	206566	8.57	
59 1,2,4,5-Tetrachlorobenzene	216	9.813	9.813	0.0	90	522420	8.57	
60 2,4,6-Trichlorophenol	196	10.018	10.018	0.0	96	340394	9.08	
61 2,4,5-Trichlorophenol	196	10.103	10.103	0.0	92	321314	8.86	
62 1,1'-Biphenyl	154	10.265	10.265	0.0	98	1612307	8.59	
63 2-Chloronaphthalene	162	10.312	10.312	0.0	95	1175858	8.10	
64 Phenyl ether	170	10.427	10.427	0.0	92	847913	8.30	
65 2-Nitroaniline	65	10.484	10.484	0.0	85	395683	9.20	
66 1,4-Dinitrobenzene	75	10.707	10.707	0.0	85	238765	0	
67 Dimethyl phthalate	163	10.764	10.764	0.0	94	1480071	8.81	
68 2,6-Dinitrotoluene	165	10.850	10.850	0.0	91	676085	8.87	
69 Acenaphthylene	152	10.893	10.893	0.0	90	1945520	8.56	
70 3-Nitroaniline	138	11.111	11.111	0.0	88	297260	7.86	
71 Acenaphthene	153	11.154	11.154	0.0	90	1258682	7.96	
72 2,4-Dinitrophenol	184	11.283	11.283	0.0	91	306272	19.0	M
73 Dibenzofuran	168	11.416	11.416	0.0	98	1738334	9.01	
74 2,4-Dinitrotoluene	165	11.459	11.459	0.0	98	447034	9.19	
75 4-Nitrophenol	109	11.487	11.487	0.0	43	519259	16.0	M
76 2,3,4,6-Tetrachlorophenol	232	11.635	11.635	0.0	86	282235	9.67	
78 Diethyl phthalate	149	11.810	11.810	0.0	93	1580296	8.59	
79 Fluorene	166	11.915	11.915	0.0	79	1498485	8.49	
80 4-Chlorophenyl phenyl ether	204	11.934	11.934	0.0	90	643704	8.24	
81 4-Nitroaniline	138	12.015	12.015	0.0	86	357790	8.56	
82 4,6-Dinitro-2-methylphenol	198	12.043	12.043	0.0	62	476093	17.0	
84 Diphenylamine	169	12.105	12.105	0.0	98	2307036	8.59	
83 N-Nitrosodiphenylamine	169	12.105	12.105	0.0	98	2307036	8.59	
16 1,2-Diphenylhydrazine	77	12.148	12.148	0.0	95	1639086	9.45	
85 Azobenzene	77	12.148	12.148	0.0	96	1639086	9.47	
86 Benzophenone	105	12.172	12.172	0.0	97	1326004	8.59	
89 4-Bromophenyl phenyl ether	248	12.571	12.571	0.0	82	358961	8.30	
91 Hexachlorobenzene	284	12.633	12.633	0.0	80	371273	8.14	
92 Simazine	201	12.785	12.785	0.0	83	219057	0	
93 Atrazine	200	12.823	12.823	0.0	86	798125	16.3	
95 Pentachloronitrobenzene	237	12.899	12.899	0.0	84	193203	7.96	
94 Pentachlorophenol	266	12.904	12.904	0.0	75	365446	16.4	
97 Phenanthrene	178	13.128	13.128	0.0	95	2109052	8.20	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
98 Anthracene	178	13.190	13.190	0.0	95	2123505	8.10	
99 Carbazole	167	13.399	13.399	0.0	99	2024565	8.33	
101 Alachlor	160	13.546	13.546	0.0	93	422544	0	
102 Di-n-butyl phthalate	149	13.784	13.784	0.0	96	2406128	8.54	
104 Fluoranthene	202	14.407	14.407	0.0	96	2113254	8.29	
105 Benzidine	184	14.573	14.573	0.0	99	742855	6.95	
106 Pyrene	202	14.631	14.631	0.0	98	2092050	8.06	
107 Famphur	218	15.187	15.187	0.0	82	847609	0	
108 Butyl benzyl phthalate	149	15.230	15.230	0.0	93	1223771	8.53	
109 3,3'-Dichlorobenzidine	252	15.724	15.724	0.0	75	766438	8.81	
110 Bis(2-ethylhexyl) phthalate	149	15.729	15.729	0.0	96	1664012	8.43	
111 Benzo[a]anthracene	228	15.743	15.743	0.0	96	1770835	8.49	
112 Chrysene	228	15.777	15.777	0.0	92	1706716	7.21	
113 Di-n-octyl phthalate	149	16.266	16.266	0.0	97	2554008	8.20	
114 Benzo[b]fluoranthene	252	16.680	16.680	0.0	94	1807176	8.40	
115 Benzo[k]fluoranthene	252	16.704	16.704	0.0	98	1921204	8.66	
116 Benzo[a]pyrene	252	16.985	16.985	0.0	76	1603533	7.70	
118 Dibenz(a,h)anthracene	278	18.126	18.126	0.0	66	1629733	8.64	
117 Indeno[1,2,3-cd]pyrene	276	18.126	18.126	0.0	95	1906990	8.58	
119 Benzo[g,h,i]perylene	276	18.444	18.444	0.0	96	1429166	7.71	
S 121 3-Methylphenol	1		0.000					

QC Flag Legend

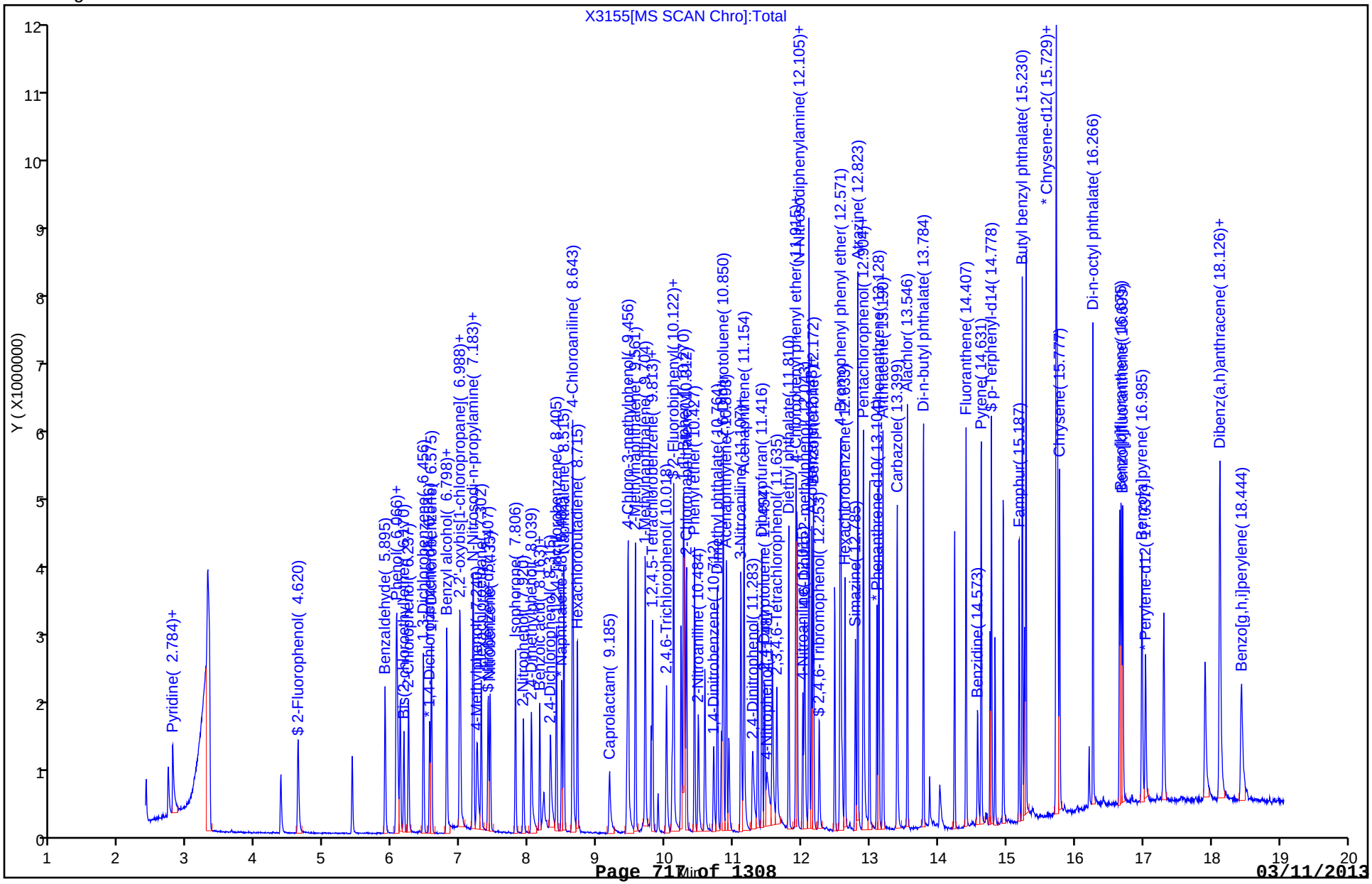
Review Flags
M - Manually Integrated

Report Date: 19-Dec-2012 12:55:45 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3155.D		
Injection Date:	19-Dec-2012 11:16:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	2
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:



Report Date: 19-Dec-2012 12:55:45 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

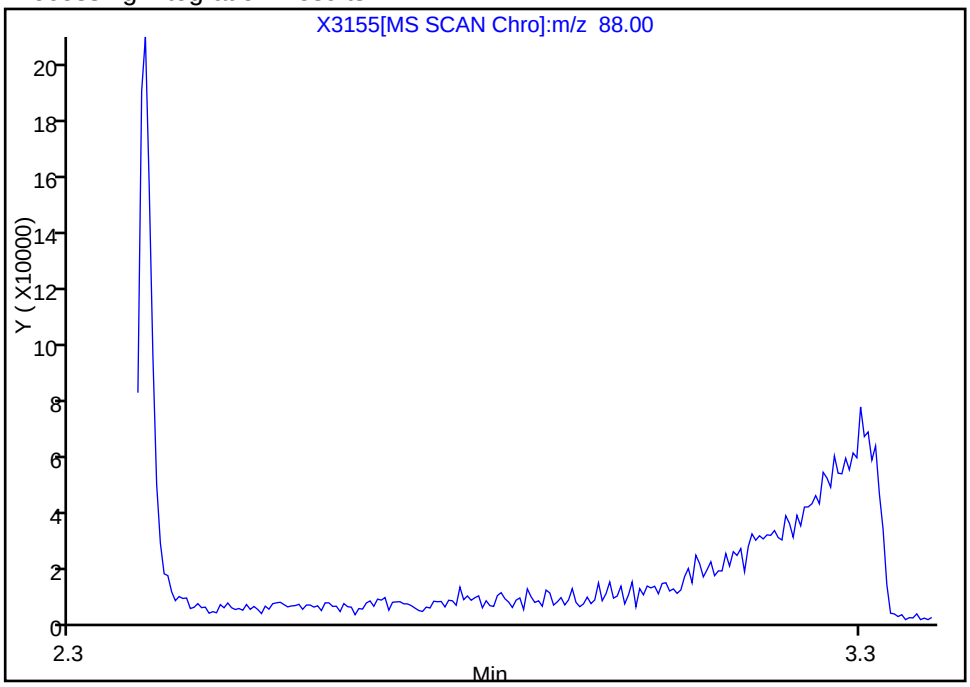
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3155.D		
Injection Date:	19-Dec-2012 11:16:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	2
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: 2.39

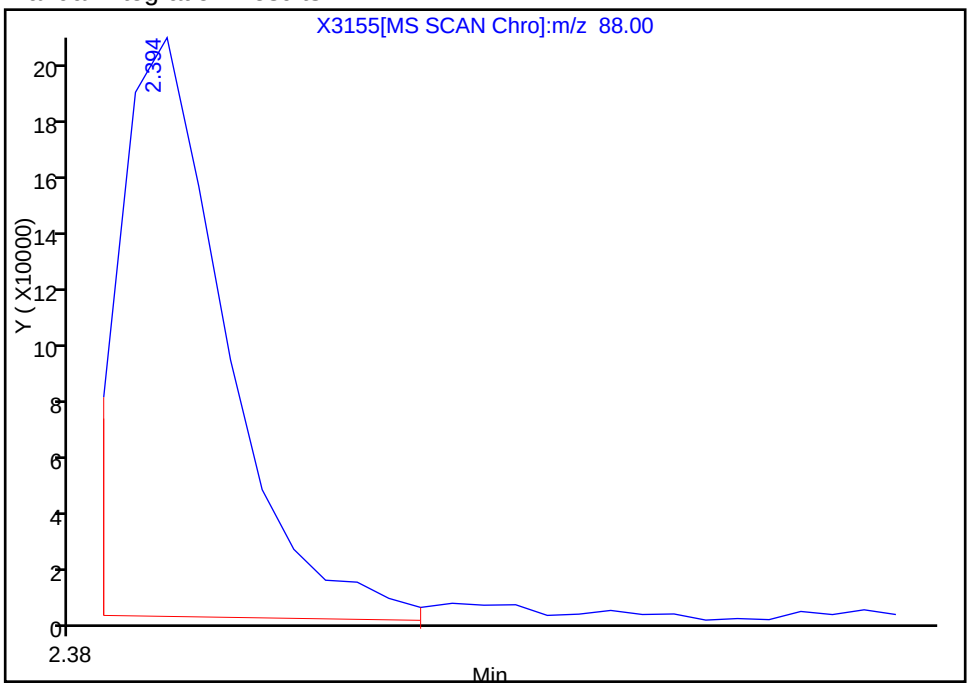
Processing Integration Results

Not Detected
Expected RT: 2.39



Manual Integration Results

RT: 2.39
Response: 229881
Amount: 8.184130



Reviewer: mckernar, 19-Dec-2012 12:55:44
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Dec-2012 12:55:45 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

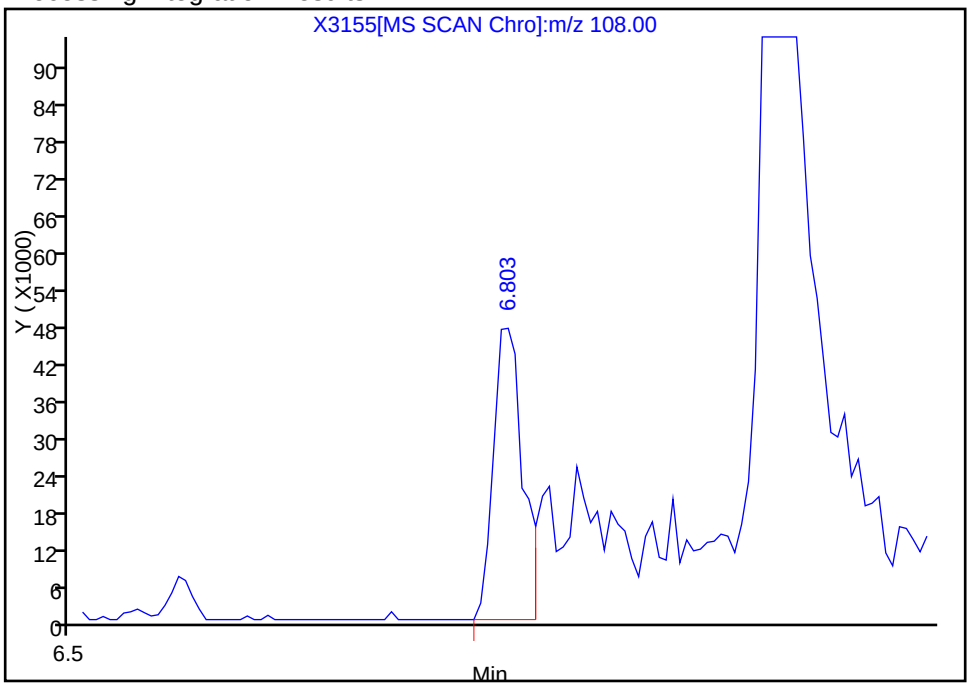
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3155.D		
Injection Date:	19-Dec-2012 11:16:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96568	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: 6.80

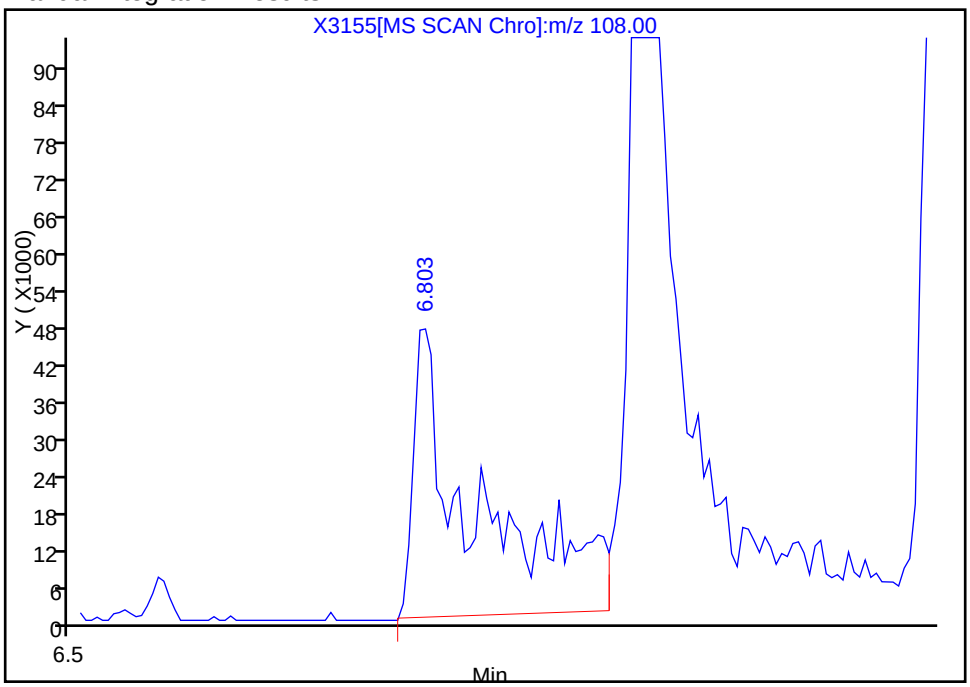
Processing Integration Results

RT: 6.80
Response: 67891
Amount: 3.061430



Manual Integration Results

RT: 6.80
Response: 173696
Amount: 6.994829



Reviewer: mckernar, 19-Dec-2012 12:55:44
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Dec-2012 12:55:45 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

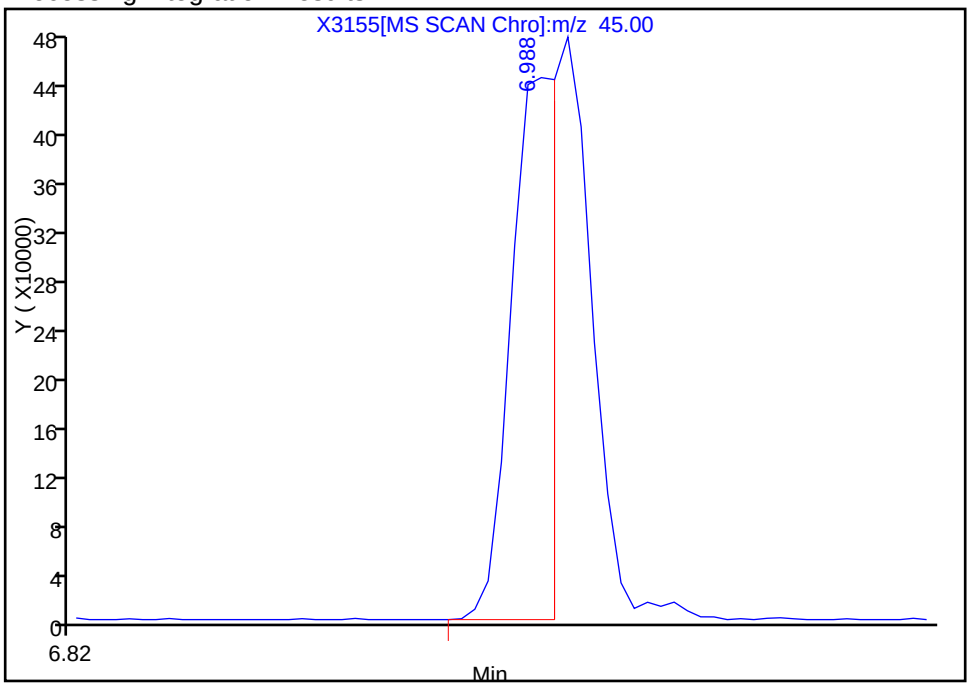
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3155.D		
Injection Date:	19-Dec-2012 11:16:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96568	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: 7.00

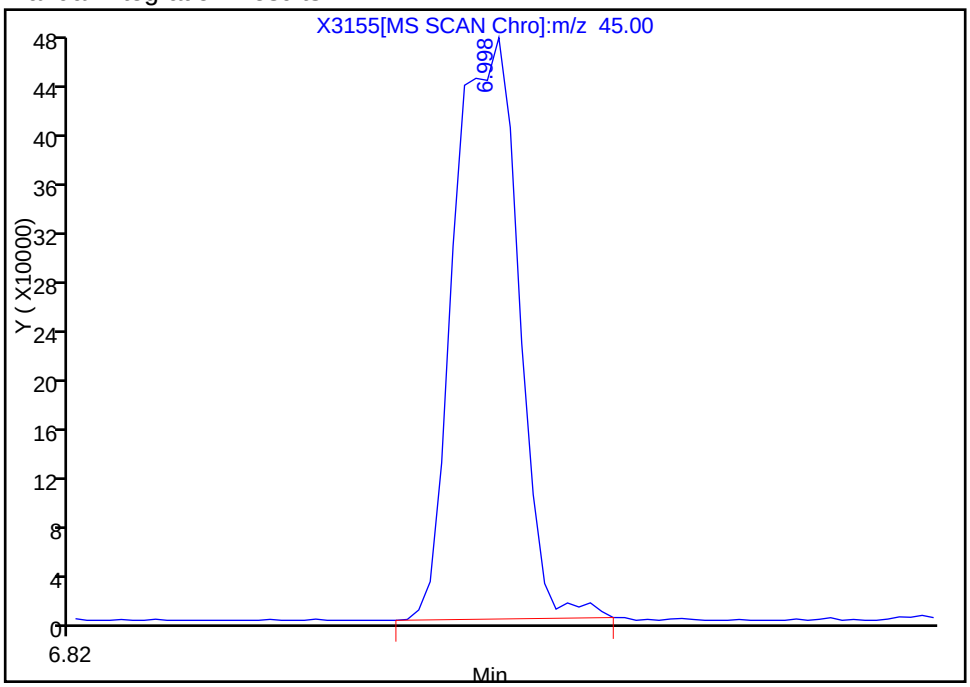
Processing Integration Results

RT: 6.99
Response: 507415
Amount: 4.740091



Manual Integration Results

RT: 7.00
Response: 867238
Amount: 8.101430



Reviewer: mckernar, 19-Dec-2012 12:55:44
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Dec-2012 12:55:45 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

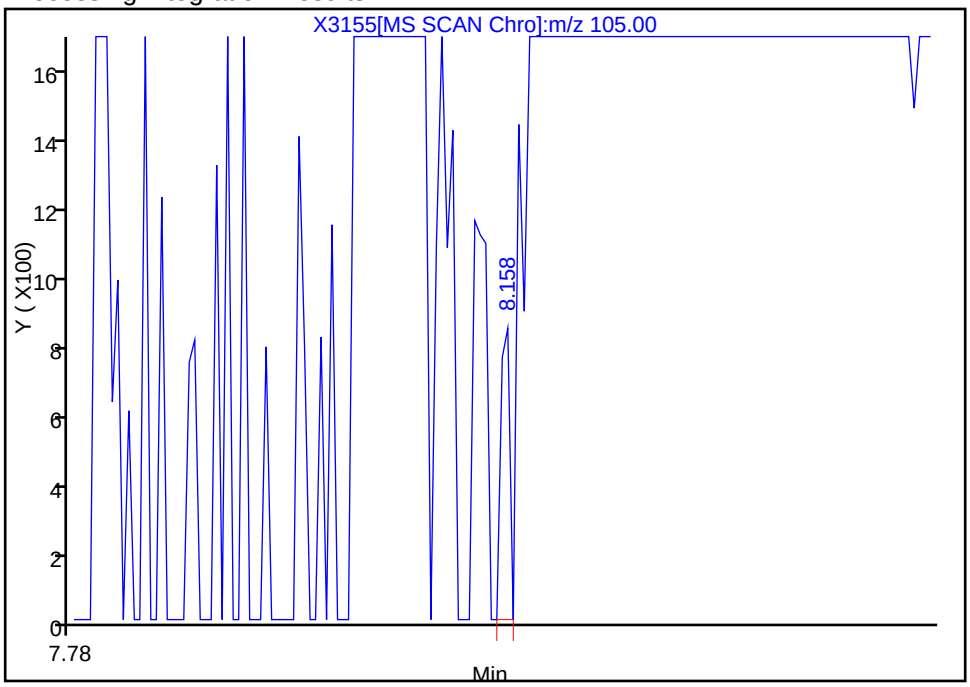
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3155.D		
Injection Date:	19-Dec-2012 11:16:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96568	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: 8.22

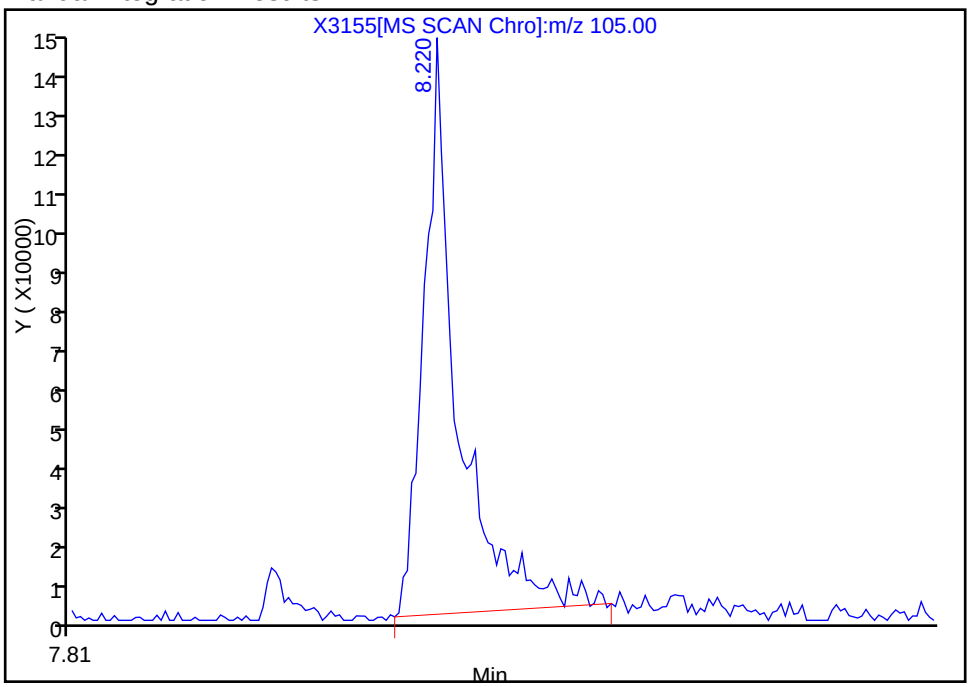
Processing Integration Results

RT: 8.16
Response: 435
Amount: 0.016424



Manual Integration Results

RT: 8.22
Response: 374103
Amount: 10.172588



Reviewer: mckernar, 19-Dec-2012 12:55:44
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Dec-2012 12:55:45 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

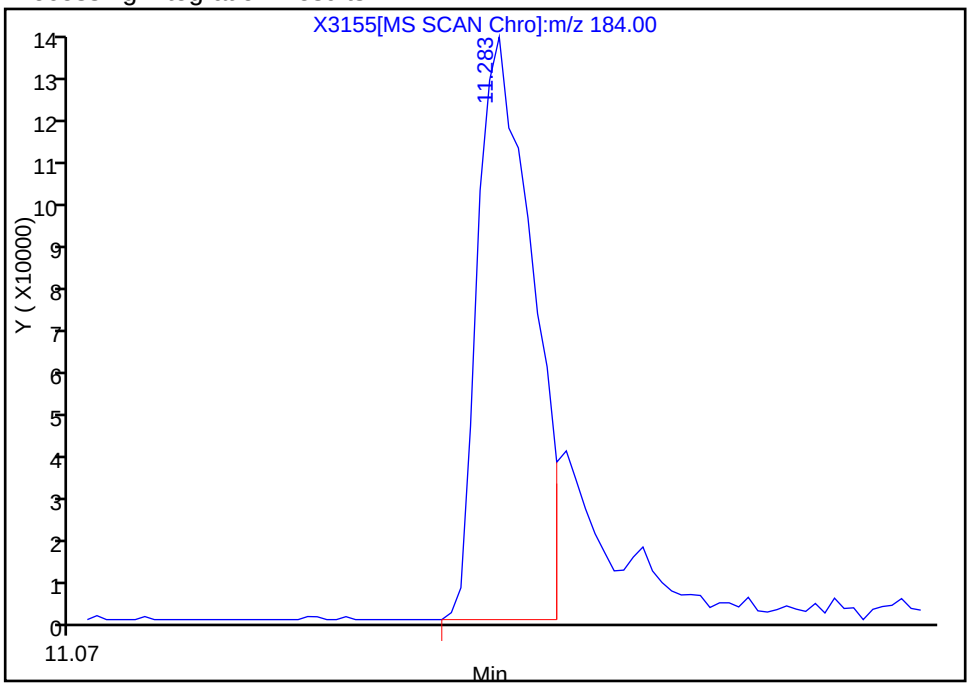
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3155.D		
Injection Date:	19-Dec-2012 11:16:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	2
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: 11.28

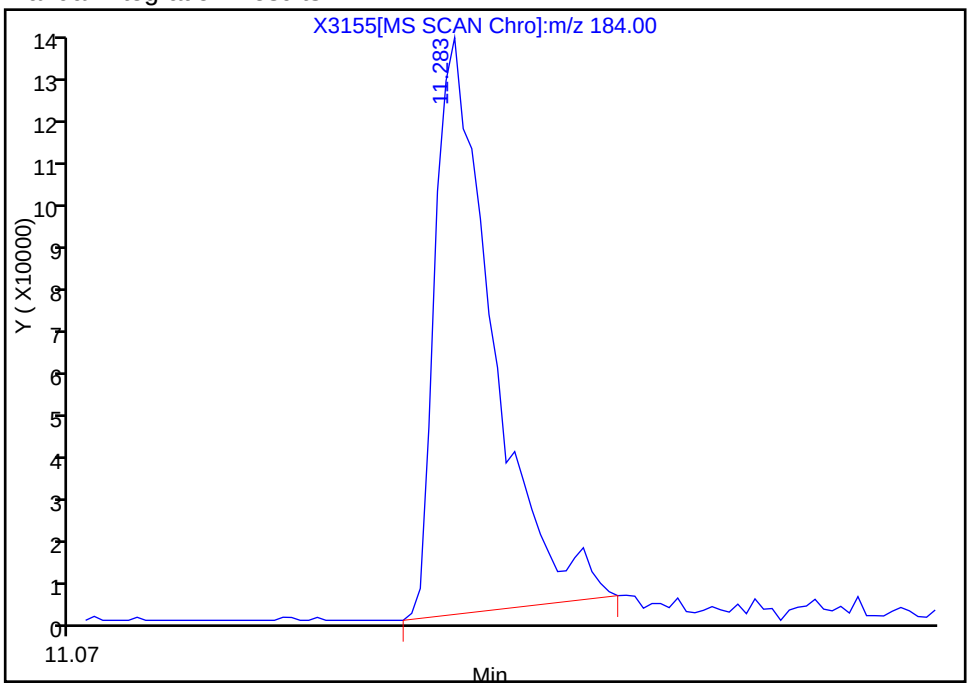
Processing Integration Results

RT: 11.28
Response: 263662
Amount: 16.945068



Manual Integration Results

RT: 11.28
Response: 306272
Amount: 19.003691



Reviewer: mckernar, 19-Dec-2012 12:55:44
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Dec-2012 12:55:45 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

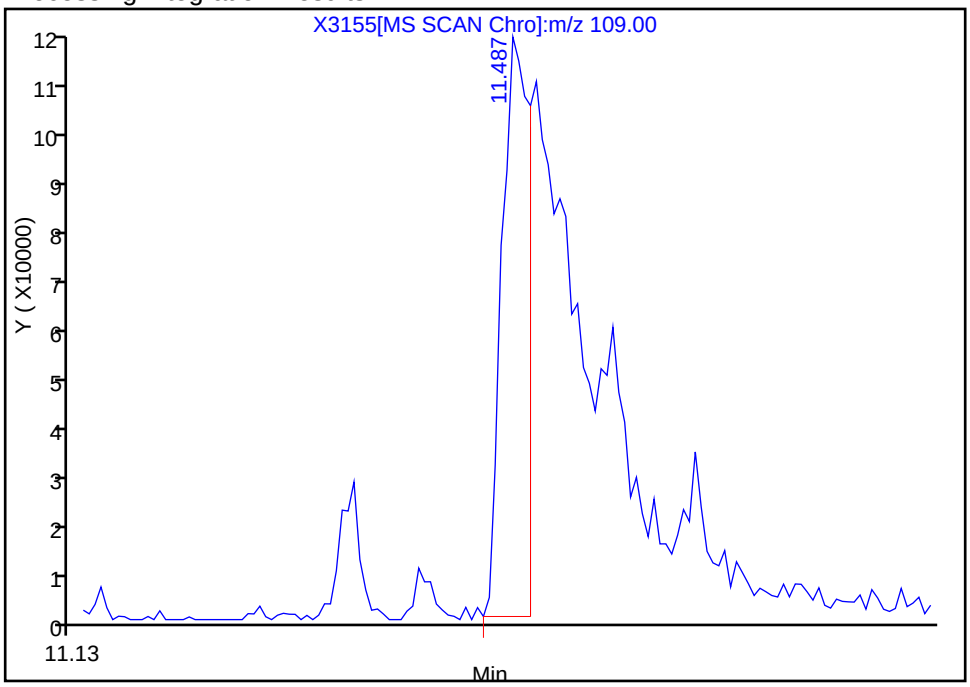
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3155.D		
Injection Date:	19-Dec-2012 11:16:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96568	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

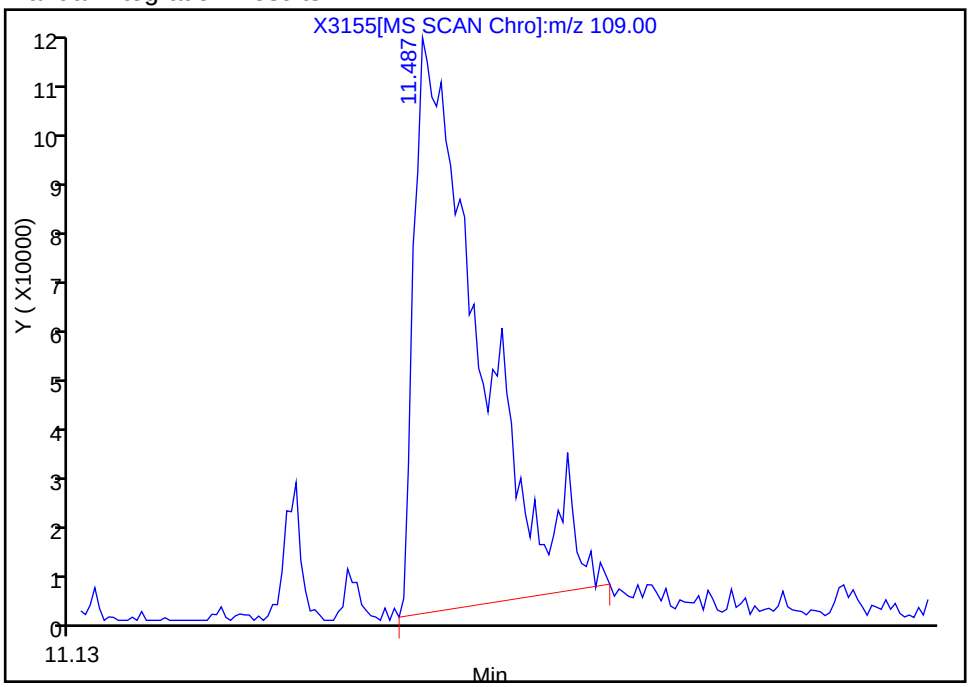
Processing Integration Results

RT: 11.49
Response: 176139
Amount: 5.418990



Manual Integration Results

RT: 11.49
Response: 519259
Amount: 15.975221



Reviewer: mckernar, 19-Dec-2012 12:55:44
Audit Action: Manually Integrated
Audit Reason: Assign Peak

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-30197-1

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.: 480-30197-1

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.: 480-30197-1

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

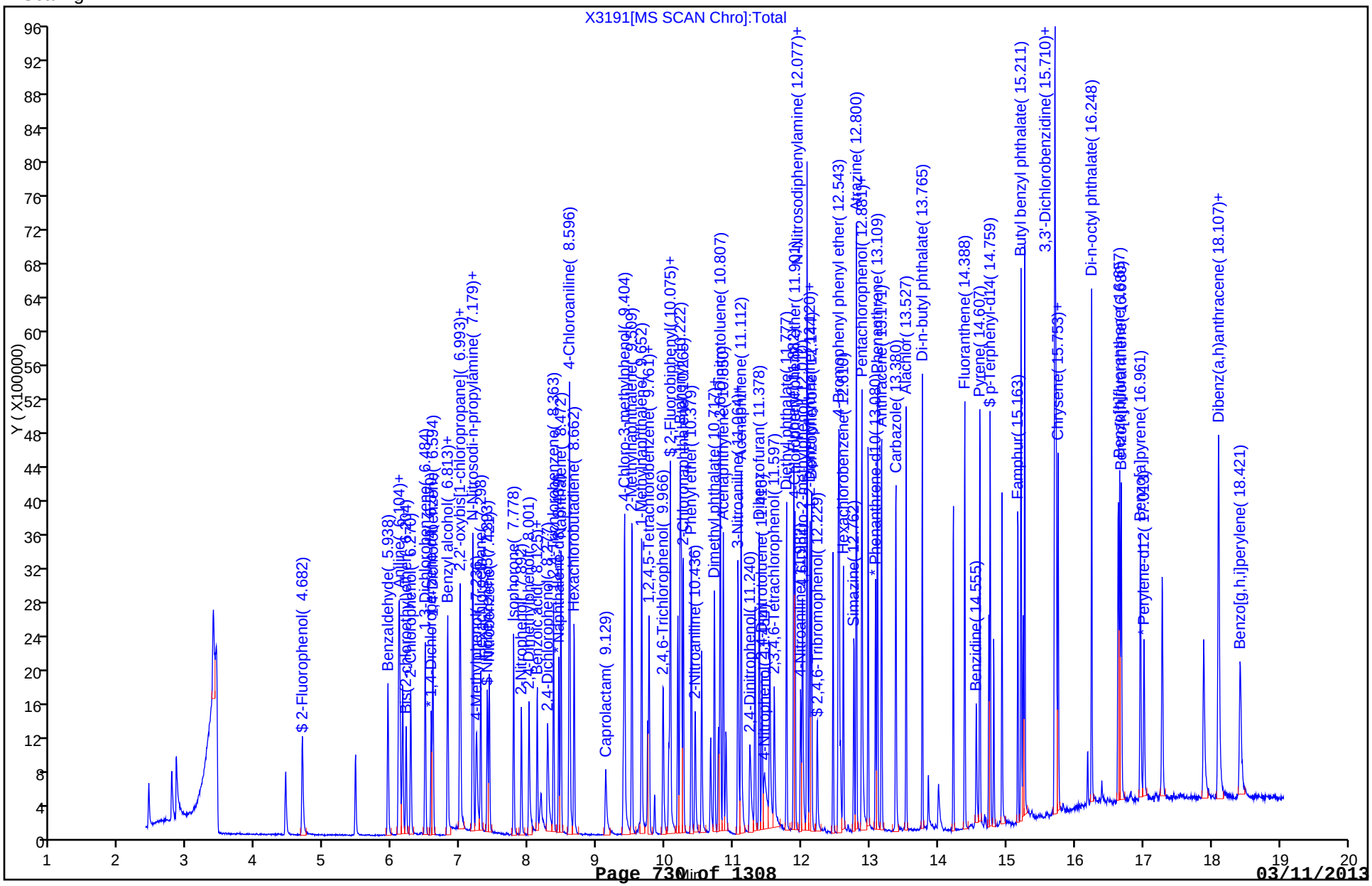
Review Flags
M - Manually Integrated

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

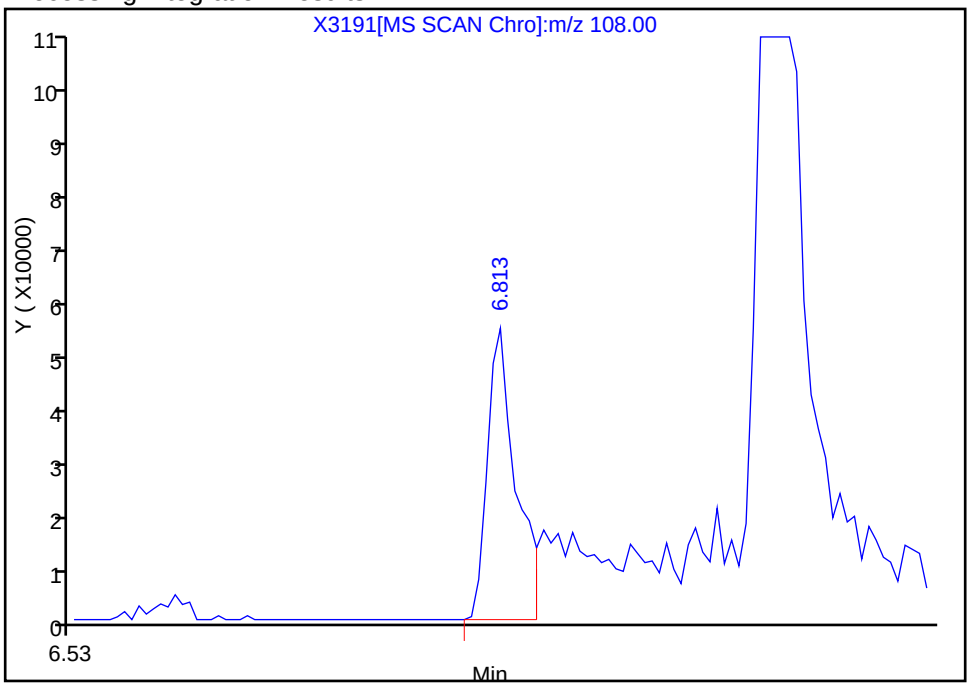
TestAmerica Buffalo

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

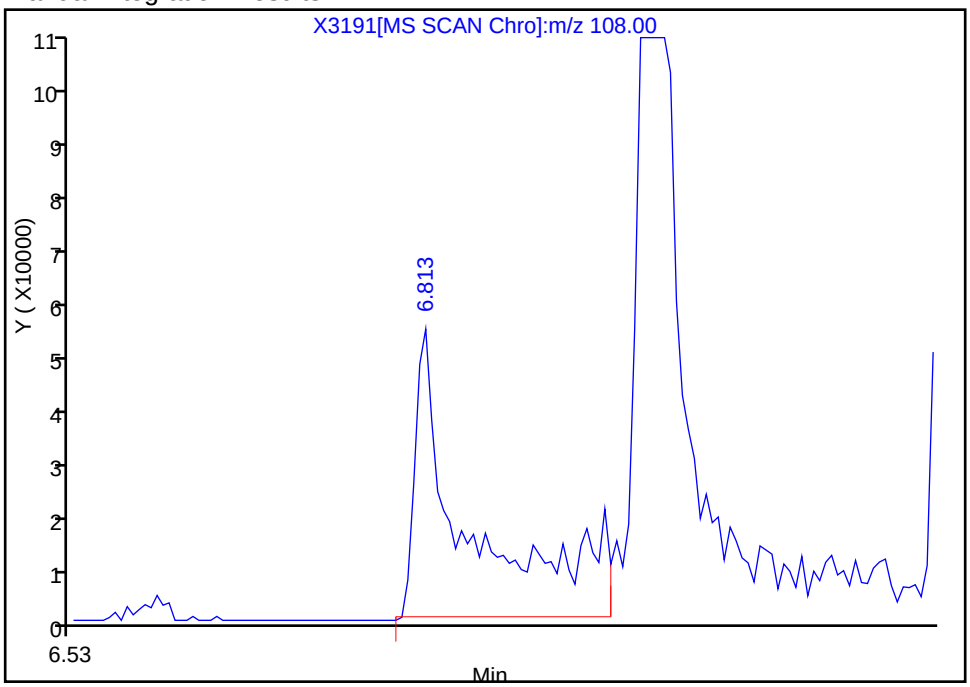
Processing Integration Results

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

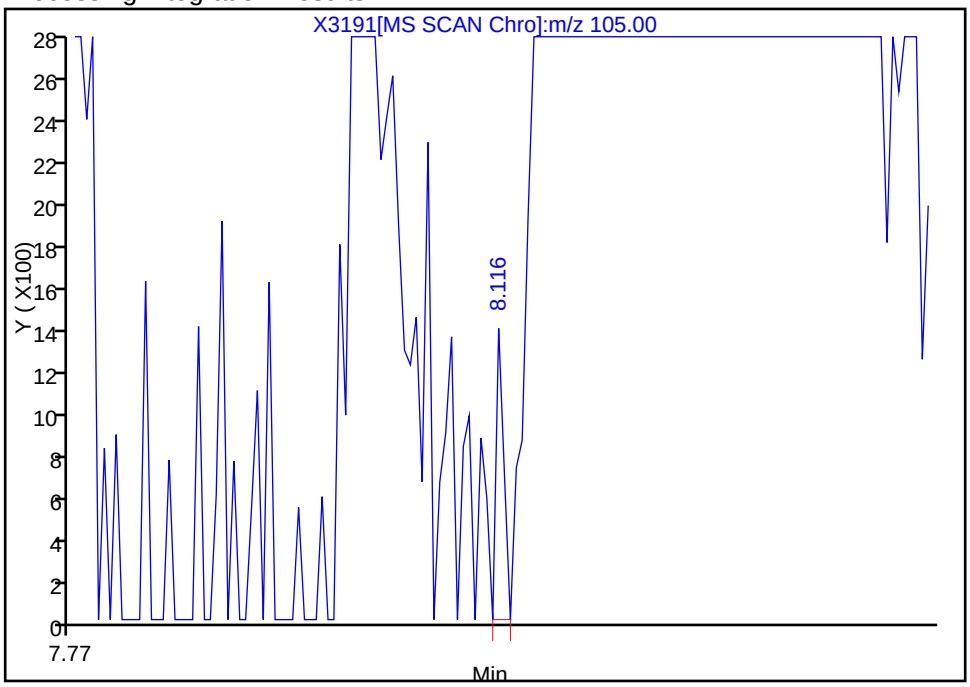
TestAmerica Buffalo

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

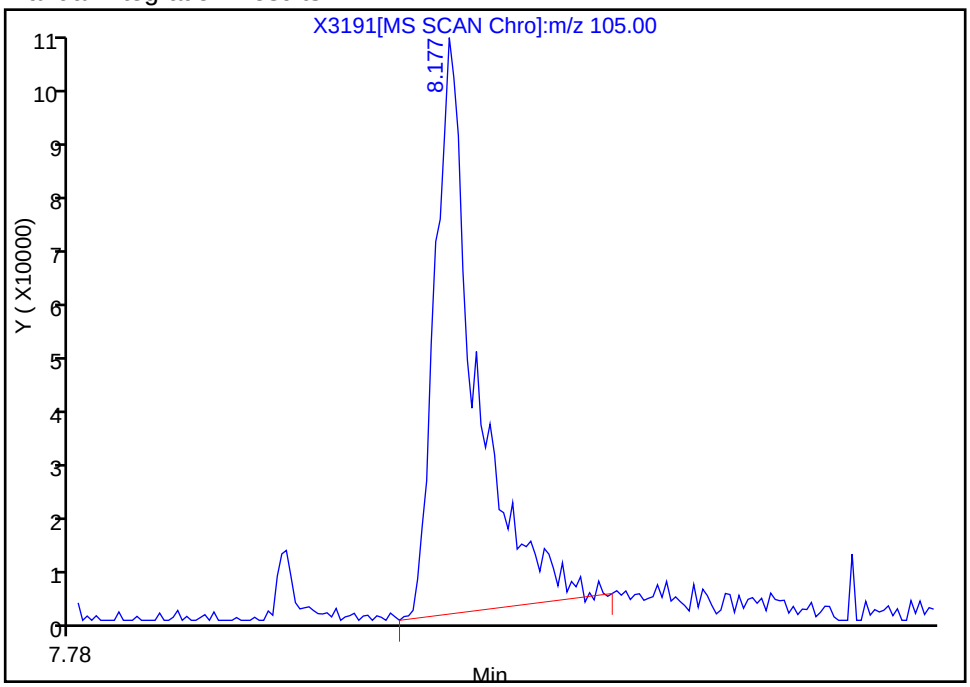
Processing Integration Results

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

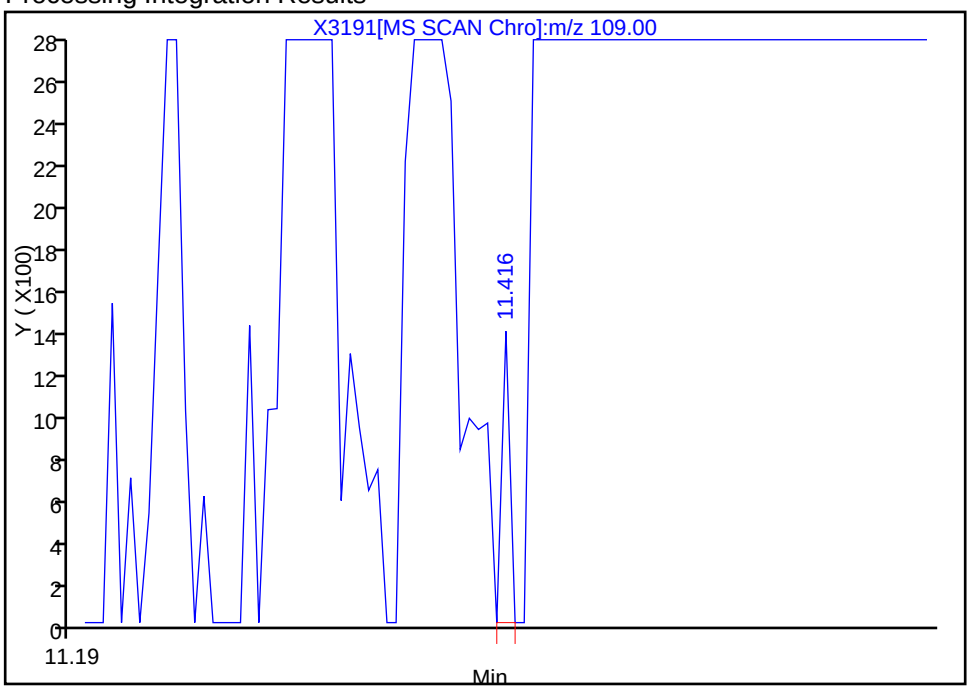
TestAmerica Buffalo

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

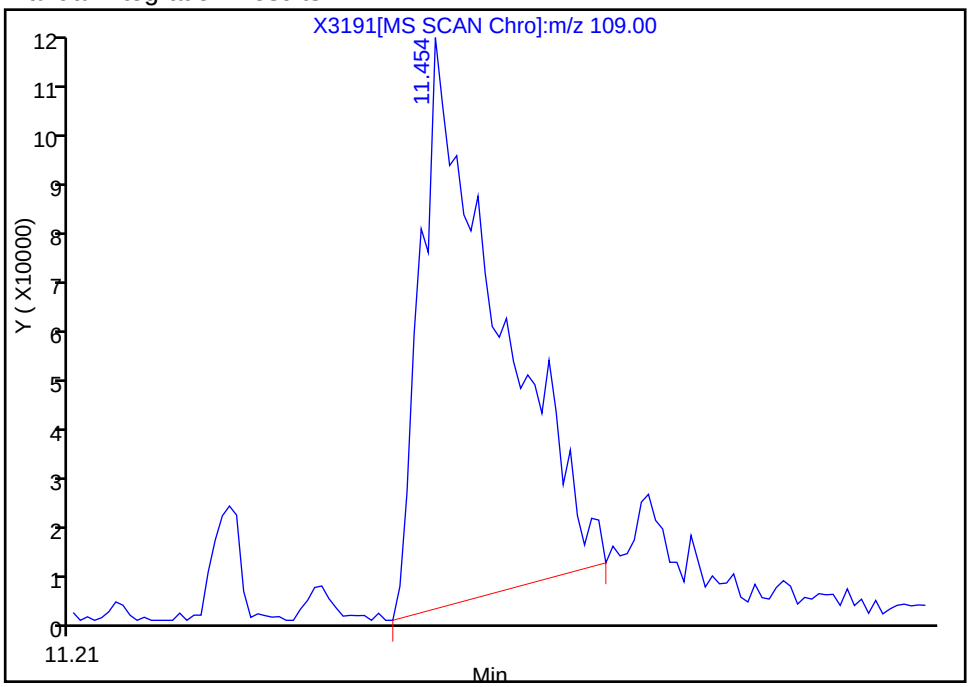
Processing Integration Results

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.: 480-30197-1

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.: 480-30197-1

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.: 480-30197-1

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	

Report Date: 28-Feb-2013 08:54:58 Chrom Revision: 2.0 01-Feb-2013 10:03:10
Data File: \\Bufchrom\ChromData\HP5973X\20121221-17772.b\X3222.D

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

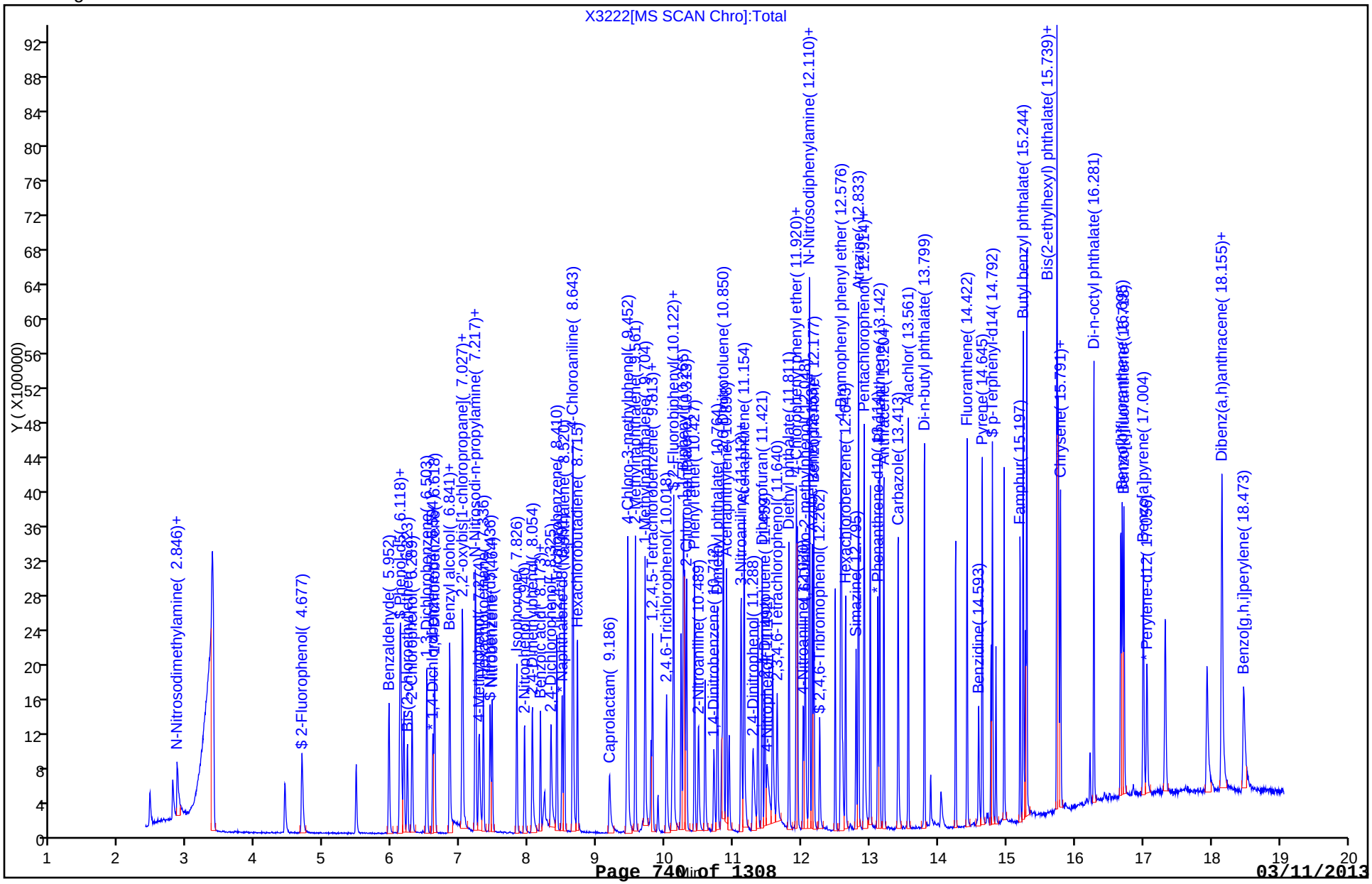
Review Flags
M - Manually Integrated

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:



Report Date: 28-Feb-2013 08:54:58 Chrom Revision: 2.0 01-Feb-2013 10:03:10

Manual Integration/User Assign Peak Report

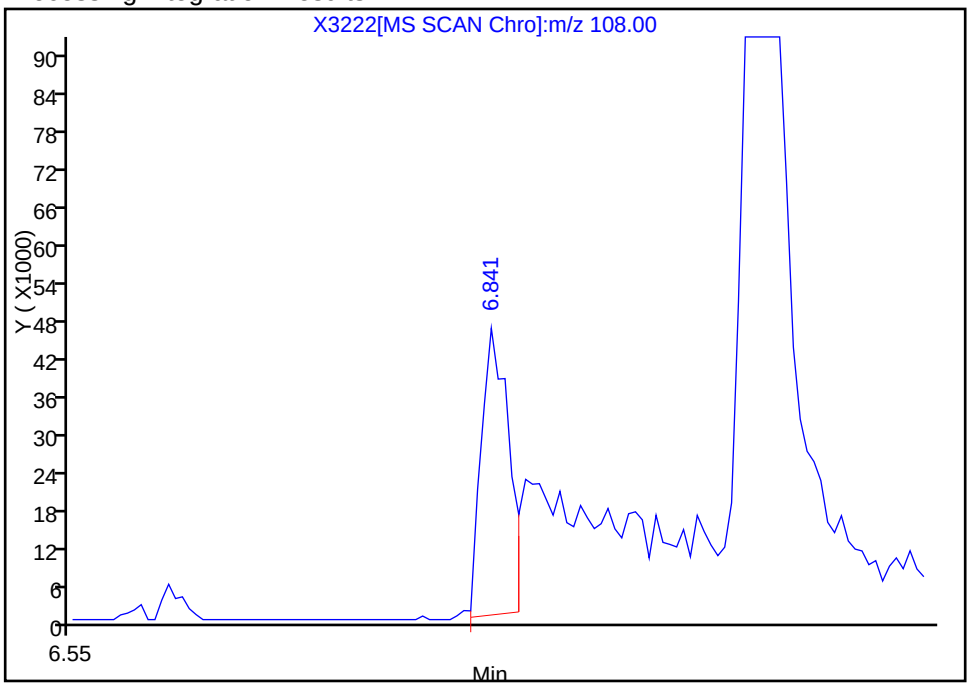
TestAmerica Buffalo

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

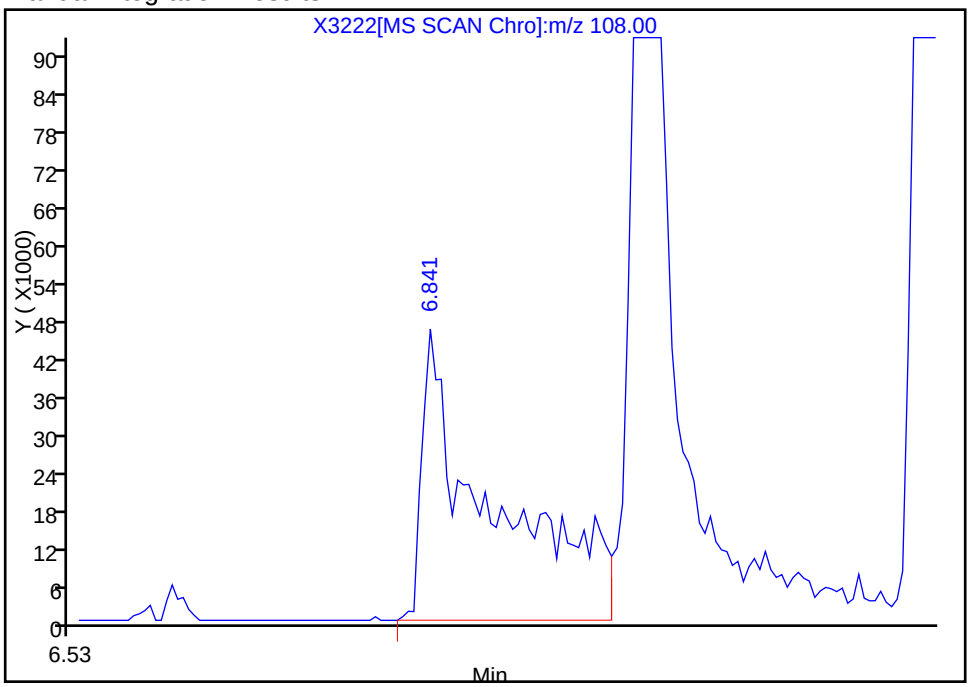
Processing Integration Results

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

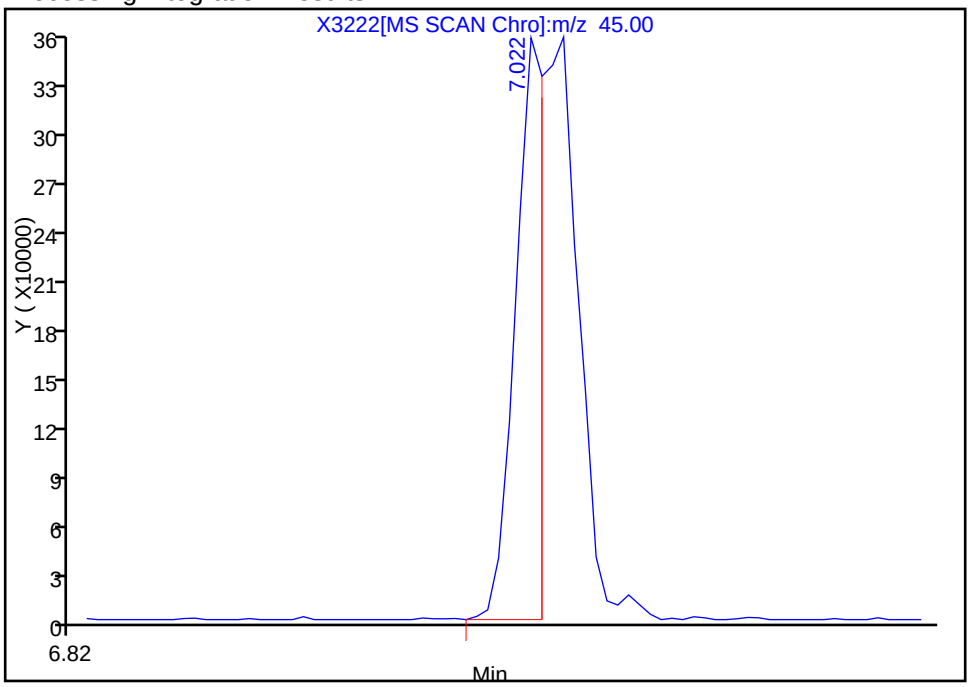
TestAmerica Buffalo

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

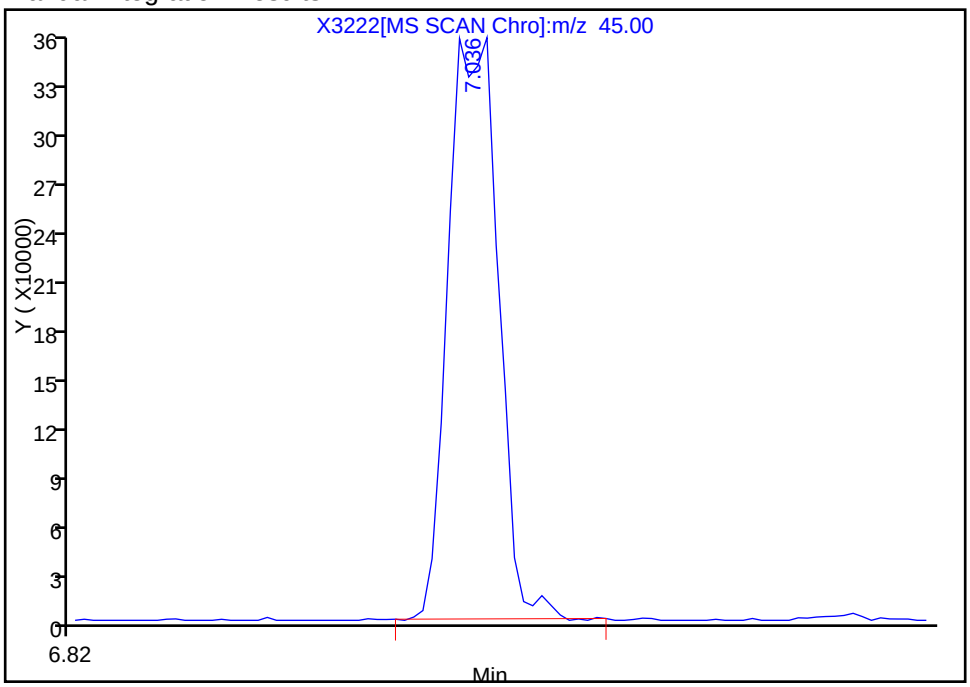
Processing Integration Results

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

Report Date: 28-Feb-2013 08:54:58 Chrom Revision: 2.0 01-Feb-2013 10:03:10

Manual Integration/User Assign Peak Report

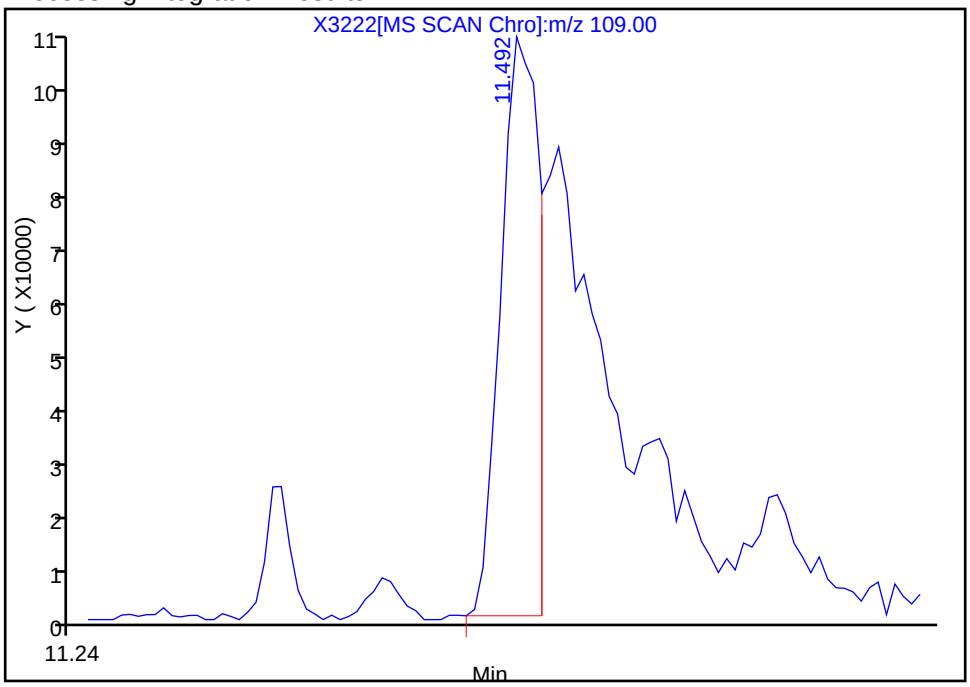
TestAmerica Buffalo

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

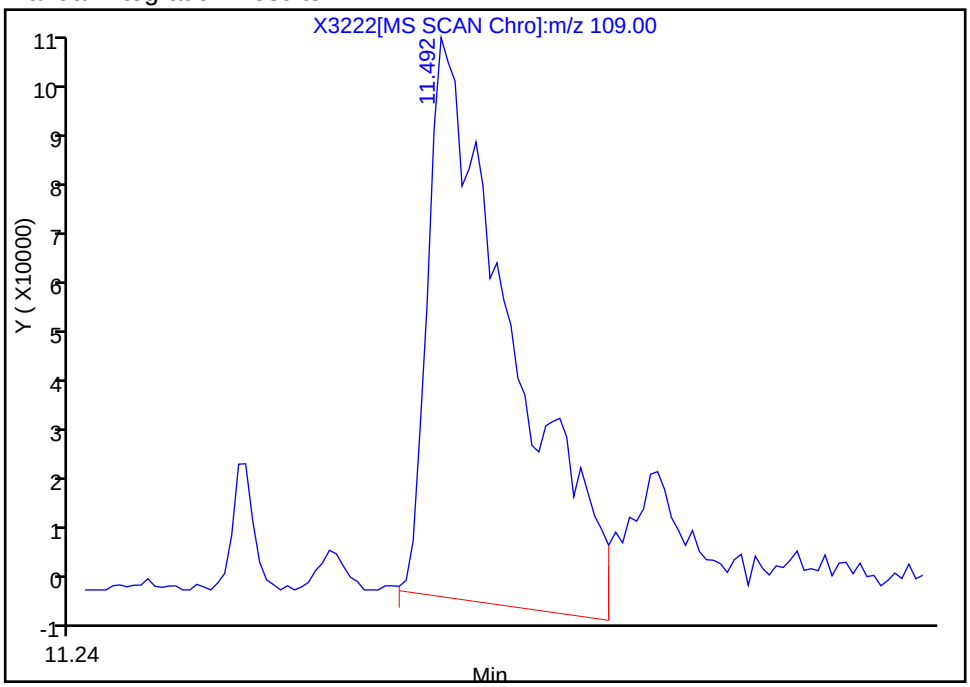
Processing Integration Results

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	

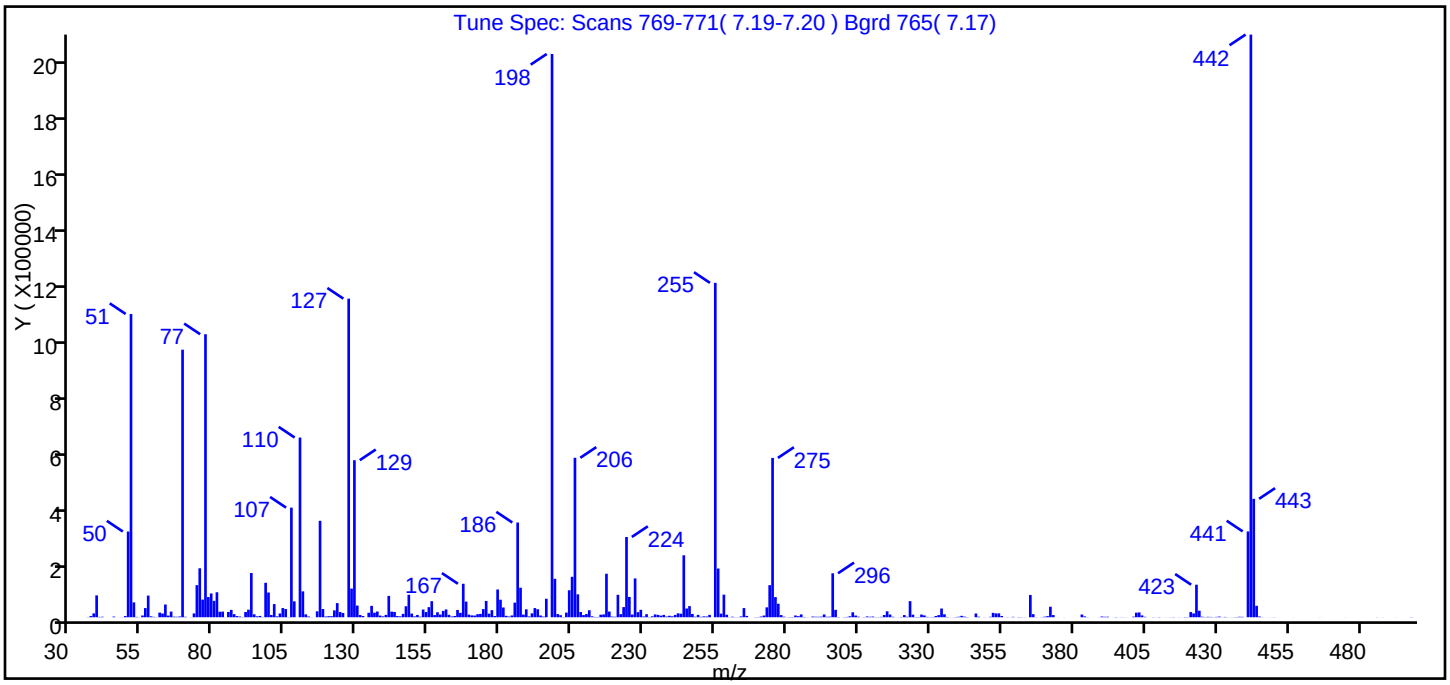
Report Date: 18-Dec-2012 16:42:54 Chrom Revision: 2.0 22-Oct-2012 16:30:48

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

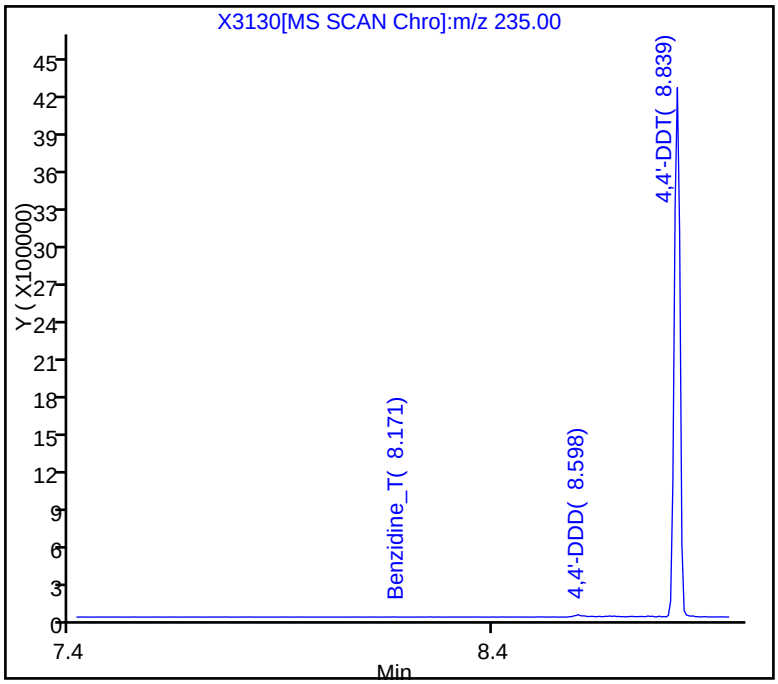
m/z	Y	m/z	Y	m/z	Y	m/z	Y
108.00	56360	209.00	7797	309.00	1700	429.00	544
110.00	635968	210.00	11285	310.00	2578	430.00	1308
111.00	91656	211.00	24832	311.00	609	431.00	2439
112.00	10233	212.00	3280	312.00	630	432.00	365
113.00	2786	213.00	1136	313.00	1487	433.00	1204
114.00	341	214.00	1108	314.00	7896	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\20121219-17692.b\X3154.D		
Lims ID:	DFTPP	Client ID:	
Inject. Date:	19-Dec-2012 11:00:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	480-0017692-001		
Misc. Info.:			
Operator:	ANM	Instrument ID:	HP5973X
Injection Vol:	1.0 ul	ALS Bottle#:	2
Lims Batch ID:	96568	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X-8270LL.m		
Last Update:	19-Dec-2012 13:36:02	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:	XAWRK011		

First Level Reviewer: mckernar Date: 19-Dec-2012 13:36:02

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
30 Pentachlorophenol_T	266	6.809	6.809	0.0	81	1247711	0	
35 DFTPP								
39 4,4'-DDE	246		7.713					
46 Benzidine_T	184	8.182	8.182	0.0	94	7371193	0	
50 4,4'-DDD	235	8.609	8.609	0.0	39	11510	0	
53 4,4'-DDT	235	8.855	8.855	0.0	91	3500115	0	

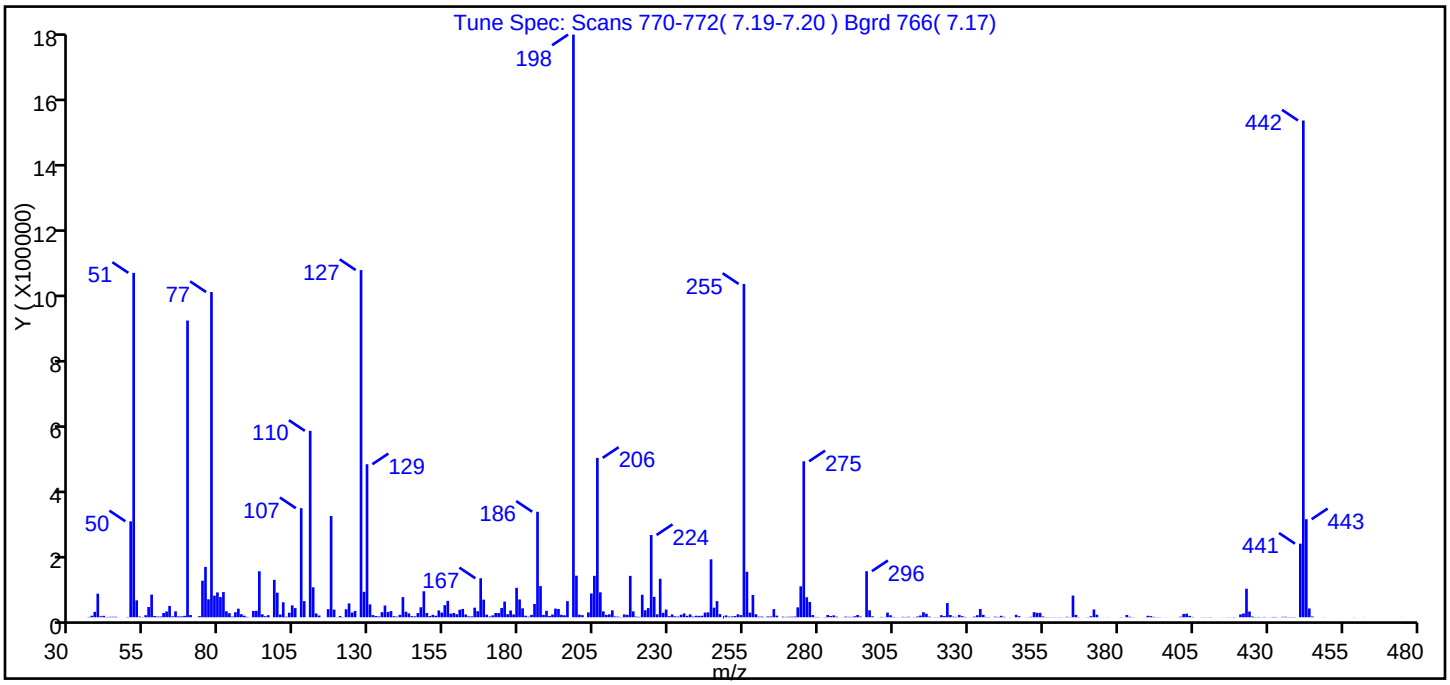
Report Date: 19-Dec-2012 13:36:03 Chrom Revision: 2.0 22-Oct-2012 16:30:48

MS Tune Report

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3154.D		
Injection Date:	19-Dec-2012 11:00:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96568	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	59.11
68	Less than 2.00% of mass 69	0.24 (0.47)
69	Present	50.93
70	Less than 2.00% of mass 69	0.38 (0.74)
127	40.00 - 60.00% of mass 198	59.59
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	7.13
275	10.00 - 30.00% of mass 198	26.77
365	Greater than 1.00% of mass 198	3.72
441	Present, but less than mass 443%	12.63 (75.06)
442	Greater than 40.00% of mass 198	85.26
443	17.00 - 23.00% of mass 442	16.83 (19.73)

Data File: \\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3154.D\X-8270LL.rslt\spectra.d
Injection Date: 19-Dec-2012 11:00:30
Spectrum: Tune Spec: Scans 770-772(7.19-7.20) Bgrd 766(7.17)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 374

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1015	141.00	61040	237.00	8720	337.00	788
37.00	4626	142.00	16800	238.00	2090	339.00	1862
38.00	16416	143.00	11607	239.00	4664	340.00	1012
39.00	71440	144.00	3396	240.00	4266	341.00	4338
40.00	3076	145.00	2803	241.00	4663	342.00	1360
41.00	4384	146.00	12651	242.00	14216	344.00	490
42.00	662	147.00	30304	243.00	14873	346.00	7420
43.00	1361	148.00	78664	244.00	175488	347.00	3158
44.00	1499	149.00	12956	245.00	29016	349.00	187
45.00	1526	150.00	3699	246.00	48816	350.00	661
49.00	828	151.00	7340	247.00	9466	351.00	1397
50.00	290688	152.00	4469	248.00	4	352.00	15382
51.00	1043136	153.00	20560	249.00	5599	353.00	13441
52.00	51248	154.00	14137	250.00	2162	354.00	13382
53.00	2253	155.00	36560	251.00	2468	355.00	2308
54.00	616	156.00	49640	252.00	3648	356.00	551
55.00	6149	157.00	11163	253.00	8942	357.00	457
56.00	30992	158.00	13016	254.00	6512	358.00	445
57.00	68568	159.00	9230	255.00	1009664	359.00	587
58.00	3912	160.00	22880	256.00	137856	360.00	410
59.00	2183	161.00	25376	257.00	14088	361.00	547
60.00	2333	162.00	8363	258.00	67400	362.00	169
61.00	13008	163.00	2768	259.00	9197	363.00	1494
62.00	17440	164.00	2675	260.00	1873	364.00	616
63.00	34296	165.00	29000	261.00	2092	365.00	65648
64.00	2734	166.00	18384	262.00	540	366.00	7152
65.00	17872	167.00	118064	263.00	2435	367.00	563
66.00	2722	168.00	53296	264.00	2431	369.00	177
67.00	2798	169.00	8024	265.00	24680	370.00	682
68.00	4259	170.00	2432	266.00	4872	371.00	3232
69.00	898816	171.00	5750	268.00	1798	372.00	23544
70.00	6684	172.00	12804	269.00	1064	373.00	7658
72.00	335	173.00	12698	270.00	1653	374.00	183

Report Date: 19-Dec-2012 13:36:03 Chrom Revision: 2.0 22-Oct-2012 16:30:48
Data File: \\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3154.D\X-8270LL.rslt\spectra.d
Injection Date: 19-Dec-2012 11:00:30
Spectrum: Tune Spec: Scans 770-772(7.19-7.20) Bgrd 766(7.17)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 374

m/z	Y	m/z	Y	m/z	Y	m/z	Y
73.00	3377	174.00	28184	271.00	1713	375.00	180
74.00	110848	175.00	47584	272.00	2101	376.00	247
75.00	152448	176.00	9274	273.00	30088	377.00	300
76.00	54368	177.00	20464	274.00	93688	381.00	727
77.00	985024	178.00	8390	275.00	472384	382.00	248
78.00	65328	179.00	89200	276.00	60536	383.00	6953
79.00	75304	180.00	53848	277.00	46304	384.00	1710
80.00	61056	181.00	27080	278.00	6666	385.00	639
81.00	76232	182.00	4669	279.00	1095	386.00	205
82.00	18064	183.00	1755	280.00	769	389.00	240
83.00	12278	184.00	7230	282.00	625	390.00	4507
84.00	2203	185.00	40296	283.00	6899	391.00	3508
85.00	15236	186.00	319552	284.00	3775	392.00	1357
86.00	25872	187.00	94416	285.00	5742	393.00	519
87.00	9261	188.00	7188	286.00	1815	394.00	525
88.00	4687	189.00	19480	287.00	235	396.00	261
89.00	1254	190.00	3987	288.00	190	397.00	198
91.00	19264	191.00	8257	289.00	2012	400.00	228
92.00	19568	192.00	26144	290.00	1329	401.00	1873
93.00	139200	193.00	24912	291.00	1179	402.00	10070
94.00	8883	194.00	7360	292.00	3011	403.00	10973
95.00	3217	195.00	5930	293.00	6865	404.00	4139
96.00	6328	196.00	48880	294.00	2136	405.00	1056
98.00	113280	198.00	1764864	296.00	139584	408.00	342
99.00	74464	199.00	125880	297.00	21008	409.00	545
100.00	8203	200.00	7836	298.00	2739	410.00	372
101.00	45296	201.00	6383	300.00	238	411.00	744
102.00	1706	203.00	14694	301.00	1153	414.00	218
103.00	13810	204.00	72200	302.00	518	415.00	285
104.00	35960	205.00	125520	303.00	14154	417.00	539
105.00	27664	206.00	482752	304.00	6072	418.00	210
107.00	330368	207.00	75552	305.00	1173	419.00	770
108.00	48864	208.00	17832	306.00	392	421.00	8845
110.00	564608	209.00	7145	307.00	210	422.00	11406

Report Date: 19-Dec-2012 13:36:03 Chrom Revision: 2.0 22-Oct-2012 16:30:48
Data File: \\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3154.D\X-8270LL.rslt\spectra.d
Injection Date: 19-Dec-2012 11:00:30
Spectrum: Tune Spec: Scans 770-772(7.19-7.20) Bgrd 766(7.17)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 374

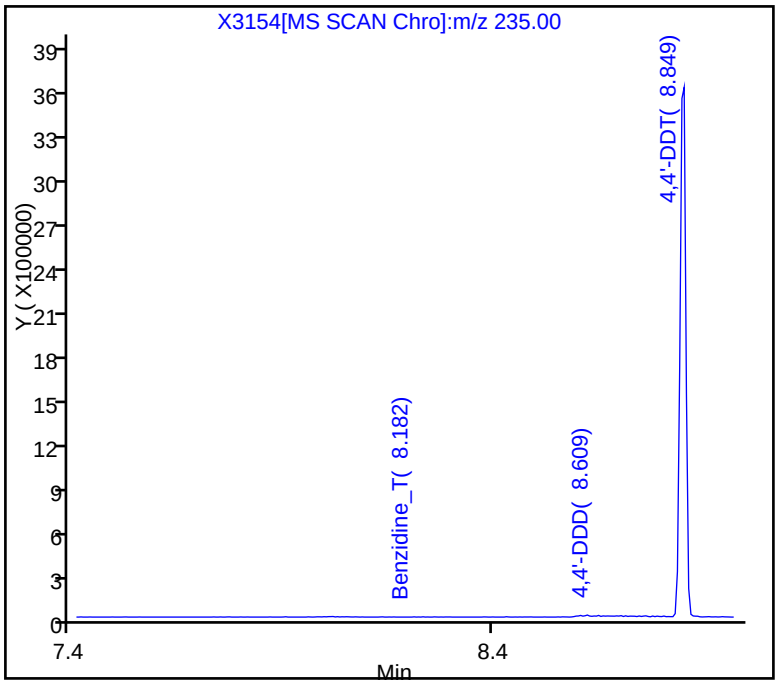
m/z	Y	m/z	Y	m/z	Y	m/z	Y
111.00	90728	210.00	8851	308.00	1293	423.00	86512
112.00	11511	211.00	20960	309.00	934	424.00	17416
113.00	5199	212.00	2445	310.00	1633	425.00	2364
116.00	24456	213.00	1815	311.00	174	426.00	814
117.00	306688	214.00	672	312.00	739	427.00	986
118.00	23256	215.00	8576	313.00	2338	428.00	470
119.00	477	216.00	7482	314.00	5137	429.00	1030
120.00	3982	217.00	125384	315.00	15349	431.00	357
121.00	626	218.00	17808	316.00	10675	432.00	1028
122.00	24256	219.00	2011	317.00	1925	433.00	734
123.00	41968	220.00	1339	319.00	626	435.00	1366
124.00	14199	221.00	68088	320.00	516	436.00	1466
125.00	19072	222.00	21176	321.00	6254	437.00	765
127.00	1051648	223.00	27736	322.00	3688	438.00	867
128.00	77048	224.00	249152	323.00	42960	439.00	705
129.00	463488	225.00	61800	324.00	6875	441.00	222912
130.00	38920	226.00	8924	325.00	1764	442.00	1504768
131.00	6585	227.00	116640	326.00	1186	443.00	296960
132.00	3774	228.00	13461	327.00	7143	444.00	26688
133.00	2582	229.00	23264	328.00	3221	445.00	2363
134.00	15452	230.00	3394	329.00	1083	446.00	190
135.00	35440	231.00	8394	331.00	477	449.00	458
136.00	15709	232.00	2854	332.00	2005	459.00	409
137.00	18784	233.00	2153	333.00	6140	462.00	255
138.00	3176	234.00	7541	334.00	25120	475.00	212
139.00	2021	235.00	11528	335.00	7383		
140.00	7341	236.00	4394	336.00	1018		

Breakdown Report

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3154.D		
Injection Date:	19-Dec-2012 11:00:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96568	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 = 3500115
50 4,4'-DDD, Area = 11510
39 4,4'-DDE, Area = 0

%Breakdown: 0.33%, 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

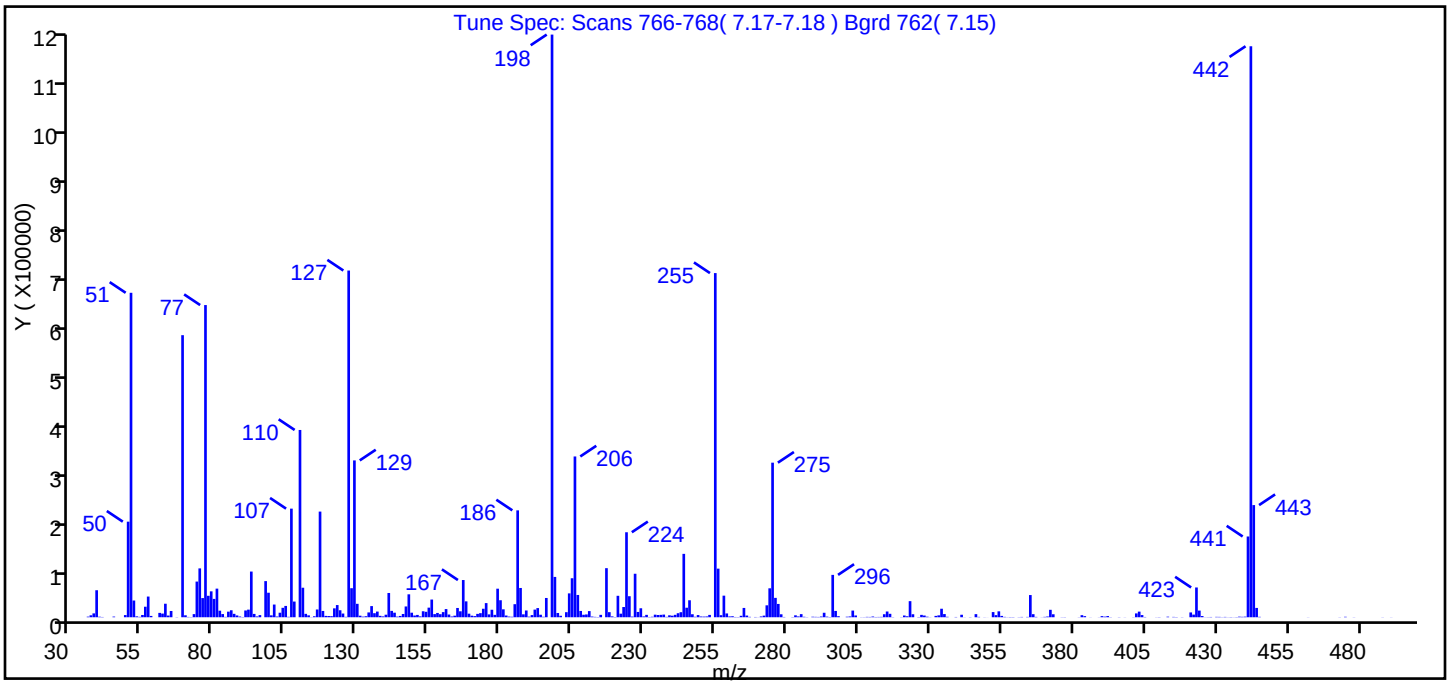
Report Date: 20-Dec-2012 11:00:50 Chrom Revision: 2.0 22-Oct-2012 16:30:48

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

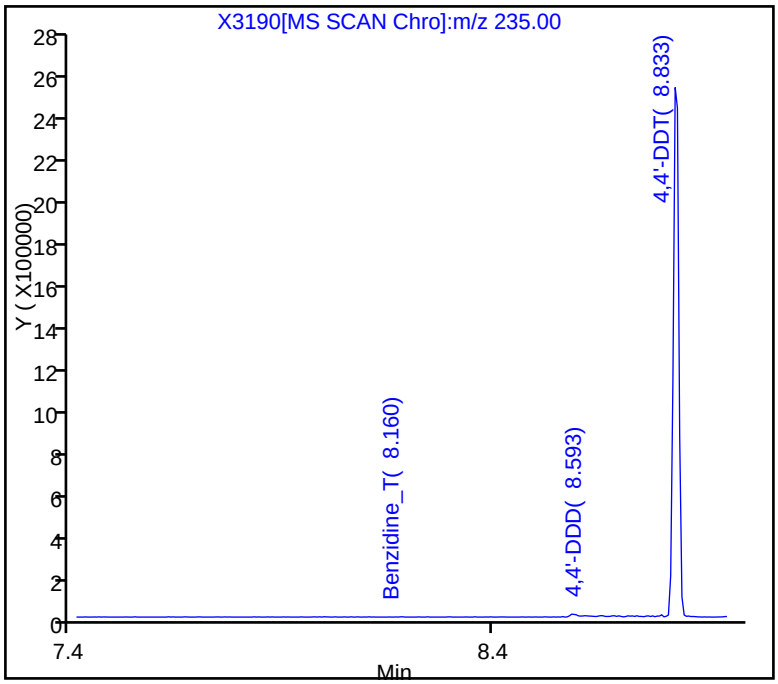
m/z	Y	m/z	Y	m/z	Y	m/z	Y
114.00	289	205.00	75272	302.00	1496	430.00	768
115.00	1896	206.00	310272	303.00	12910	431.00	709
116.00	14994	207.00	43008	304.00	3417	432.00	296
117.00	203904	208.00	12172	306.00	260	433.00	667
118.00	12157	209.00	4833	307.00	317	434.00	232
119.00	2632	210.00	5421	308.00	742	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	

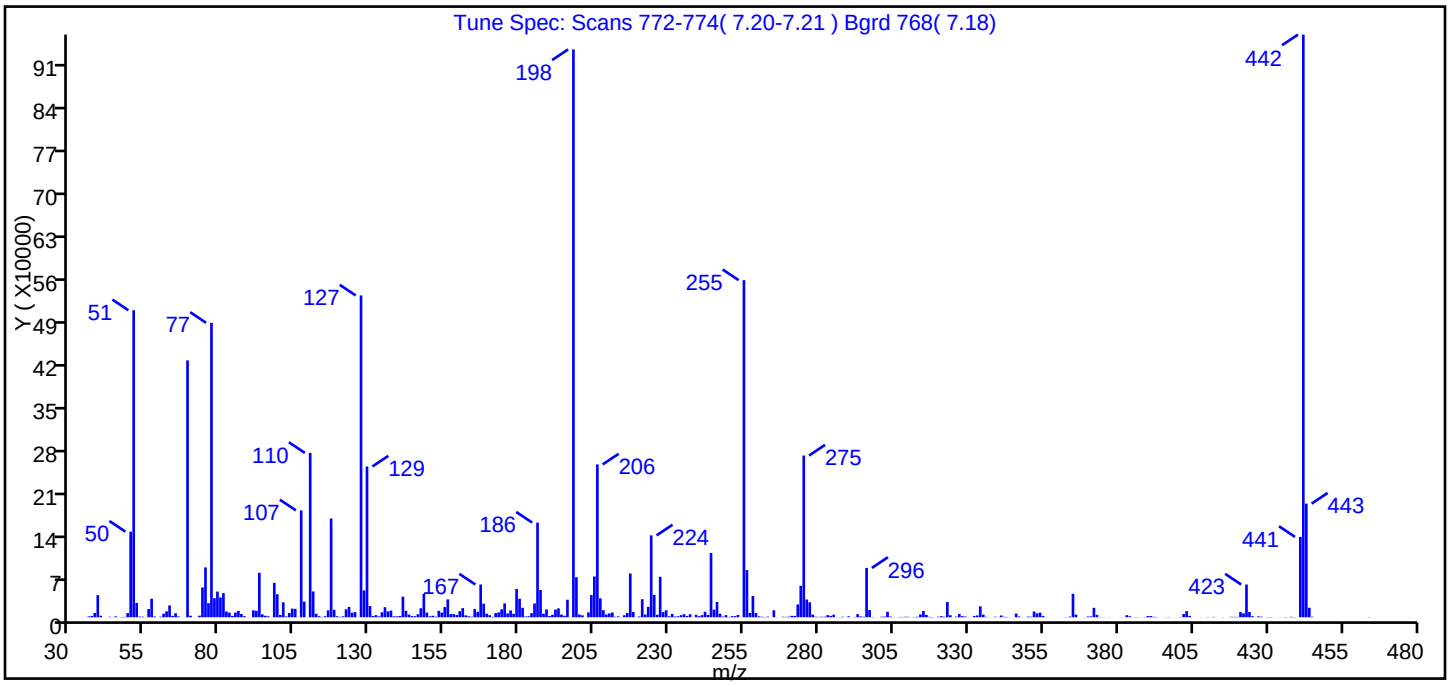
Report Date: 28-Feb-2013 08:54:57 Chrom Revision: 2.0 01-Feb-2013 10:03:10

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

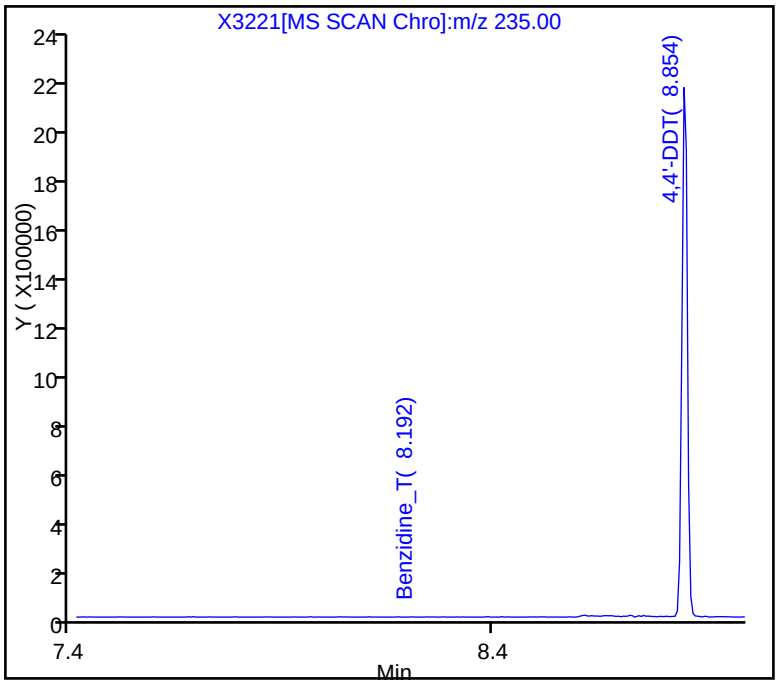
m/z	Y	m/z	Y	m/z	Y	m/z	Y
116.00	11264	206.00	249280	301.00	895	423.00	53408
117.00	161152	207.00	30792	302.00	1176	424.00	8626
118.00	12211	208.00	11439	303.00	8975	425.00	1752
119.00	1703	209.00	4585	304.00	1112	427.00	1460
120.00	628	210.00	6291	305.00	256	428.00	941
121.00	1505	211.00	7724	307.00	562	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.: 480-30197-1
SDG No.:
Client Sample ID:
Lab Sample ID: MB 480-96302/1-A
Matrix: Solid
Lab File ID: X3169.D
Analysis Method: 8270D
Date Collected:
Extract. Method: 3546
Date Extracted: 12/18/2012 08:12
Sample wt/vol: 000030.2(g)
Date Analyzed: 12/19/2012 17:13
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.: 96568
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
117-81-7	Bis(2-ethylhexyl) phthalate	ND		170	67
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		170	50
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.: 480-30197-1
SDG No.:
Client Sample ID:
Lab Sample ID: MB 480-96302/1-A
Matrix: Solid
Lab File ID: X3169.D
Analysis Method: 8270D
Date Collected:
Extract. Method: 3546
Date Extracted: 12/18/2012 08:12
Sample wt/vol: 000030.2(g)
Date Analyzed: 12/19/2012 17:13
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.: 96568
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		170	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		170	28
88-74-4	2-Nitroaniline	ND		170	42
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		170	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.: 480-30197-1
SDG No.:
Client Sample ID:
Lab Sample ID: MB 480-96302/1-A
Matrix: Solid
Lab File ID: X3169.D
Analysis Method: 8270D
Date Collected:
Extract. Method: 3546
Date Extracted: 12/18/2012 08:12
Sample wt/vol: 000030.2(g)
Date Analyzed: 12/19/2012 17:13
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.: 96568
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		170	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		170	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	77		30-130
367-12-4	2-Fluorophenol	78		30-130
4165-60-0	Nitrobenzene-d5	50		30-130
4165-62-2	Phenol-d5	71		30-130
321-60-8	2-Fluorobiphenyl	77		30-130
1718-51-0	p-Terphenyl-d14	97		30-130

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

Lab Name: TestAmerica Buffalo
Job No.: 480-30197-1
SDG No.:
Client Sample ID:
Lab Sample ID: MB 480-96302/1-A
Matrix: Solid
Lab File ID: X3169.D
Analysis Method: 8270D
Date Collected:
Extract. Method: 3546
Date Extracted: 12/18/2012 08:12
Sample wt/vol: 000030.2(g)
Date Analyzed: 12/19/2012 17:13
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.: 96568
Units: ug/Kg
Number TICs Found: 1
TIC Result Total: 3460

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	4.21	3460	T J

FORM I-TIC 8270D

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3169.D		
Lims ID:	MB 480-96302/1-A	Client ID:	
Inject. Date:	19-Dec-2012 17:13:30	Dil. Factor:	1.0000
Sample Type:	MB		
Sample ID:	480-0017692-016		
Misc. Info.:			
Operator:	ANM	Instrument ID:	HP5973X
Injection Vol:	1.0 ul	ALS Bottle#:	17
Lims Batch ID:	96568	Lims Sample ID:	16
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X-8270LL.m		
Last Update:	09-Mar-2013 09:48:24	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 09:27:24

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.556	6.546	0.010	86	253504	5.00	
* 2 Naphthalene-d8	136	8.448	8.482	-0.034	97	938206	5.00	
* 3 Acenaphthene-d10	164	11.102	11.107	-0.005	89	566202	5.00	
* 4 Phenanthrene-d10	188	13.113	13.104	0.009	93	814600	5.00	
* 5 Chrysene-d12	240	15.758	15.753	0.005	92	553136	5.00	
* 6 Perylene-d12	264	17.037	17.037	0.0	92	516163	5.00	M
$ 7 2-Fluorophenol	112	4.696	4.620	0.076	0	89285	1.55	M
$ 8 Phenol-d5	99	6.113	6.056	0.057	90	98888	1.41	M
$ 9 Nitrobenzene-d5	82	7.402	7.407	-0.005	77	70608	1.00	
$ 10 2-Fluorobiphenyl	172	10.122	10.122	0.0	88	217732	1.53	M
$ 11 2,4,6-Tribromophenol	330	12.305	12.257	0.048	0	23007	1.54	M
$ 12 p-Terphenyl-d14	244	14.787	14.778	0.009	94	206438	1.94	
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		2.394					
19 N-Nitrosodimethylamine	42		2.718					
20 Pyridine	52		2.784					
21 Benzaldehyde	77		5.895					
23 Aniline	93		6.066					19
22 Phenol	94		6.075					9
24 Bis(2-chloroethyl)ether	93		6.170					19
25 2-Chlorophenol	128		6.237					19
26 1,3-Dichlorobenzene	146		6.456					9
27 1,4-Dichlorobenzene	146		6.575					9
29 1,2-Dichlorobenzene	146		6.798					
28 Benzyl alcohol	108		6.803					
30 Pentachlorophenol_T	266		6.809					9
31 2-Methylphenol	108		6.988					9

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		7.179					
34 N-Nitrosodi-n-propylamine	70		7.193					
36 4-Methylphenol	108		7.245					
37 Hexachloroethane	117		7.302					19
38 Nitrobenzene	77		7.435					
39 4,4'-DDE	246		7.713					
40 Isophorone	82		7.806					
41 2-Nitrophenol	139		7.925					
43 2,4-Dimethylphenol	107		8.039					
42 o,o',o''-Triethylphosphorothioat	198		8.055					
45 Bis(2-chloroethoxy)methane	93		8.163					
46 Benzidine_T	184		8.182					
44 Benzoic acid	105		8.220					149
47 2,4-Dichlorophenol	162		8.315					9
48 1,2,4-Trichlorobenzene	180		8.405					19
49 Naphthalene	128		8.515					
50 4,4'-DDD	235		8.609					
51 4-Chloroaniline	127		8.643					
52 Hexachlorobutadiene	225		8.715					
53 4,4'-DDT	235		8.855					9
54 Caprolactam	113		9.185					
55 4-Chloro-3-methylphenol	107		9.442					19
56 2-Methylnaphthalene	142		9.566					
57 1-Methylnaphthalene	142		9.704					
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		10.103					
62 1,1'-Biphenyl	154		10.265					19
63 2-Chloronaphthalene	162		10.312					
64 Phenyl ether	170		10.427					
65 2-Nitroaniline	65		10.484					19
66 1,4-Dinitrobenzene	75		10.707					19
67 Dimethyl phthalate	163		10.764					9
68 2,6-Dinitrotoluene	165		10.850					
69 Acenaphthylene	152		10.893					9
70 3-Nitroaniline	138		11.111					149
71 Acenaphthene	153		11.154					9
72 2,4-Dinitrophenol	184		11.283					
73 Dibenzofuran	168		11.416					19
74 2,4-Dinitrotoluene	165		11.459					19
75 4-Nitrophenol	109		11.487					19
76 2,3,4,6-Tetrachlorophenol	232		11.635					19
78 Diethyl phthalate	149		11.810					
77 Thionazin	97		11.826					9
79 Fluorene	166		11.915					9
80 4-Chlorophenyl phenyl ether	204		11.934					19
81 4-Nitroaniline	138		12.015					
82 4,6-Dinitro-2-methylphenol	198		12.043					
84 Diphenylamine	169		12.105					19
83 N-Nitrosodiphenylamine	169		12.105					19

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
16 1,2-Diphenylhydrazine	77		12.148					
85 Azobenzene	77		12.148					
86 Benzophenone	105		12.172					
87 Sulfotepp	322		12.297					9
88 Phorate	75		12.454					
89 4-Bromophenyl phenyl ether	248		12.571					
91 Hexachlorobenzene	284		12.633					9
90 Dimethoate	87		12.668					9
92 Simazine	201		12.785					9
93 Atrazine	200		12.823					
95 Pentachloronitrobenzene	237		12.899					
94 Pentachlorophenol	266		12.904					9
96 Disulfoton	88		13.120					
97 Phenanthrene	178		13.128					9
98 Anthracene	178		13.190					
99 Carbazole	167		13.399					19
100 Methyl parathion	109		13.543					
101 Alachlor	160		13.546					
102 Di-n-butyl phthalate	149		13.784					
103 Ethyl Parathion	97		14.003					
104 Fluoranthene	202		14.407					9
105 Benzidine	184		14.573					19
106 Pyrene	202		14.631					
107 Famphur	218		15.187					9
108 Butyl benzyl phthalate	149		15.230					
109 3,3'-Dichlorobenzidine	252		15.724					14
110 Bis(2-ethylhexyl) phthalate	149		15.729					
111 Benzo[a]anthracene	228		15.743					9
112 Chrysene	228		15.777					
113 Di-n-octyl phthalate	149		16.266					
114 Benzo[b]fluoranthene	252		16.680					
115 Benzo[k]fluoranthene	252		16.704					
116 Benzo[a]pyrene	252		16.985					
117 Indeno[1,2,3-cd]pyrene	276		18.126					
118 Dibenz(a,h)anthracene	278		18.126					9
119 Benzo[g,h,i]perylene	276		18.444					9
S 121 3-Methylphenol	1		0.000					
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

Review Flags
M - Manually Integrated

TestAmerica Buffalo
Tentatively Identified Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3169.D		
Lims ID:	MB 480-96302/1-A	Client ID:	
Inject. Date:	19-Dec-2012 17:13:30	Dil. Factor:	1.0000
Sample Type:	MB		
Sample ID:	480-0017692-016		
Misc. Info.:			
Operator:	ANM	Instrument ID:	HP5973X
Injection Vol:	1.0 ul	ALS Bottle#:	17
Lims Batch ID:	96568	Lims Sample ID:	16
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X-8270LL.m		
Last Update:	09-Mar-2013 09:48:24	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 09:27:24

Tentative Identified Compound Results

RT	Response	Amount ng/uL	Quant Cpnd	Qual	Lib Entry	Flags
		Unknown				
4.206	37164334	104.4	1			

Quantitation Compounds

Compound	RT	Response	Amount ng/uL
* 1 1,4-Dichlorobenzene-d4	6.556	1779326	5.00

QC Flag Legend

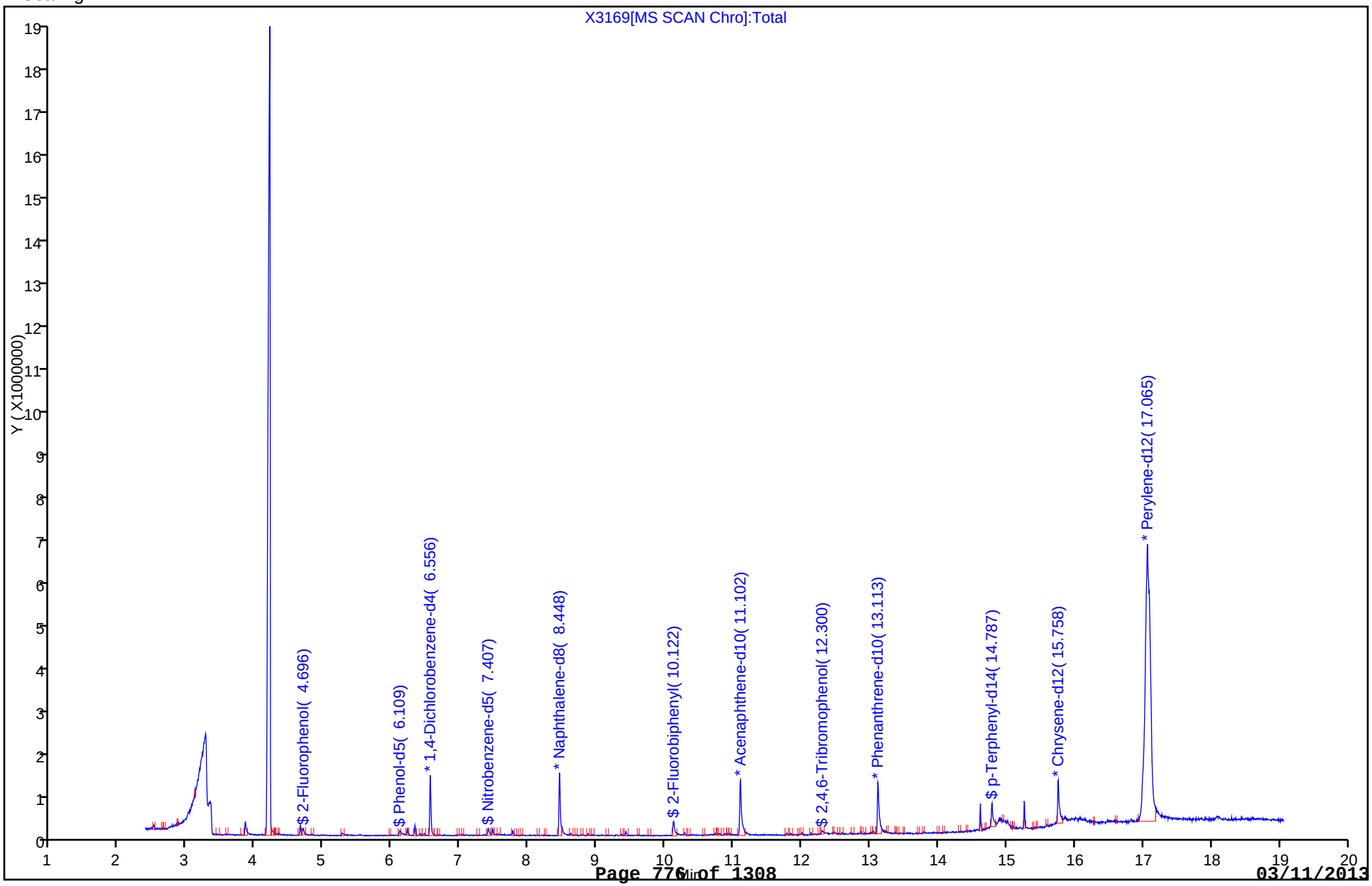
Processing Flags

Report Date: 09-Mar-2013 09:48:25 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3169.D		
Injection Date:	19-Dec-2012 17:13:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96568	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 09:48:25 Chrom Revision: 2.0 01-Feb-2013 10:03:10

Manual Integration/User Assign Peak Report

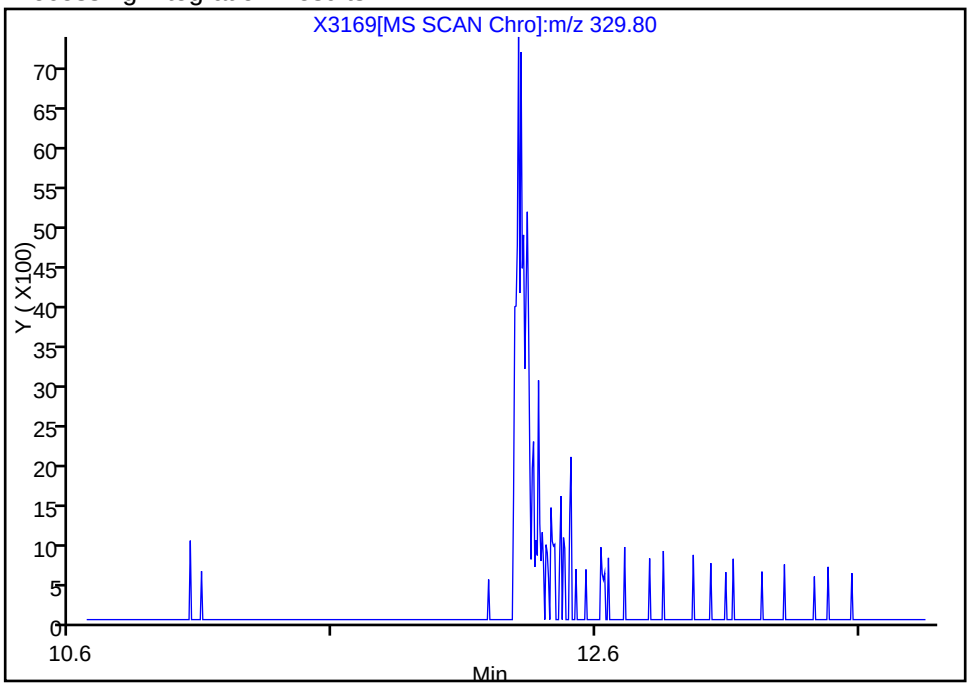
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3169.D		
Injection Date:	19-Dec-2012 17:13:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	16
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: 12.26

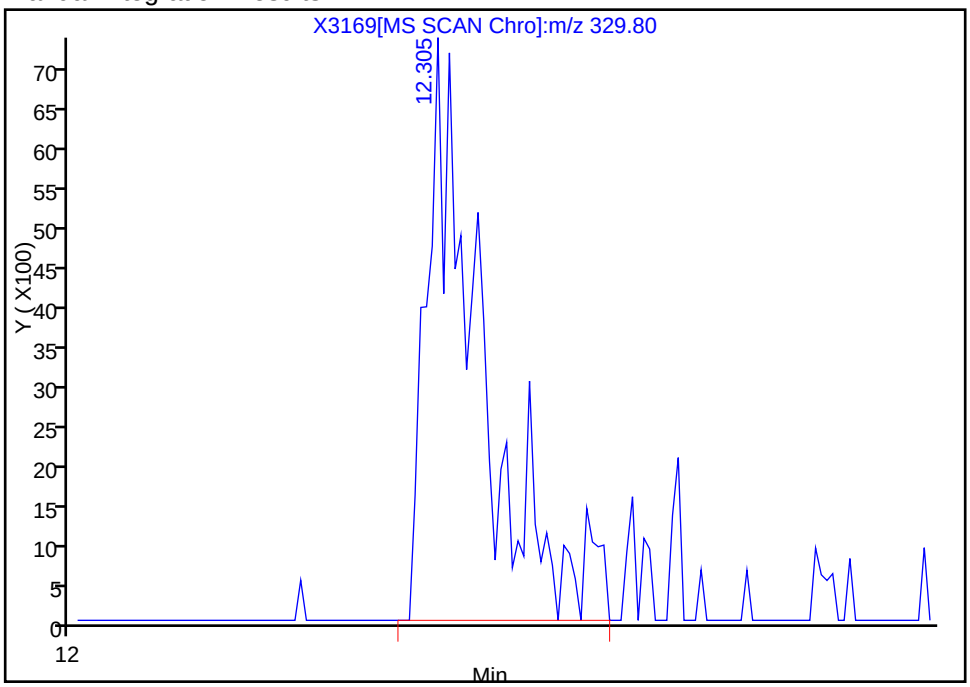
Processing Integration Results

Not Detected
Expected RT: 12.26



Manual Integration Results

RT: 12.31
Response: 23007
Amount: 1.535291



Reviewer: mckernar, 20-Dec-2012 09:27:24
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 09-Mar-2013 09:48:25 Chrom Revision: 2.0 01-Feb-2013 10:03:10

Manual Integration/User Assign Peak Report

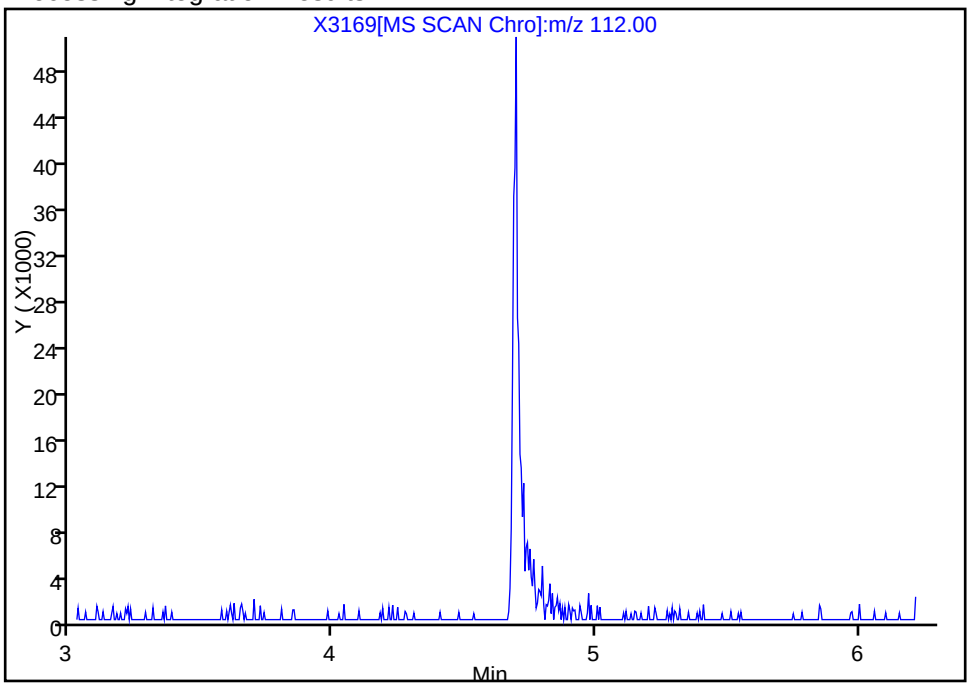
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3169.D		
Injection Date:	19-Dec-2012 17:13:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	16
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: 4.62

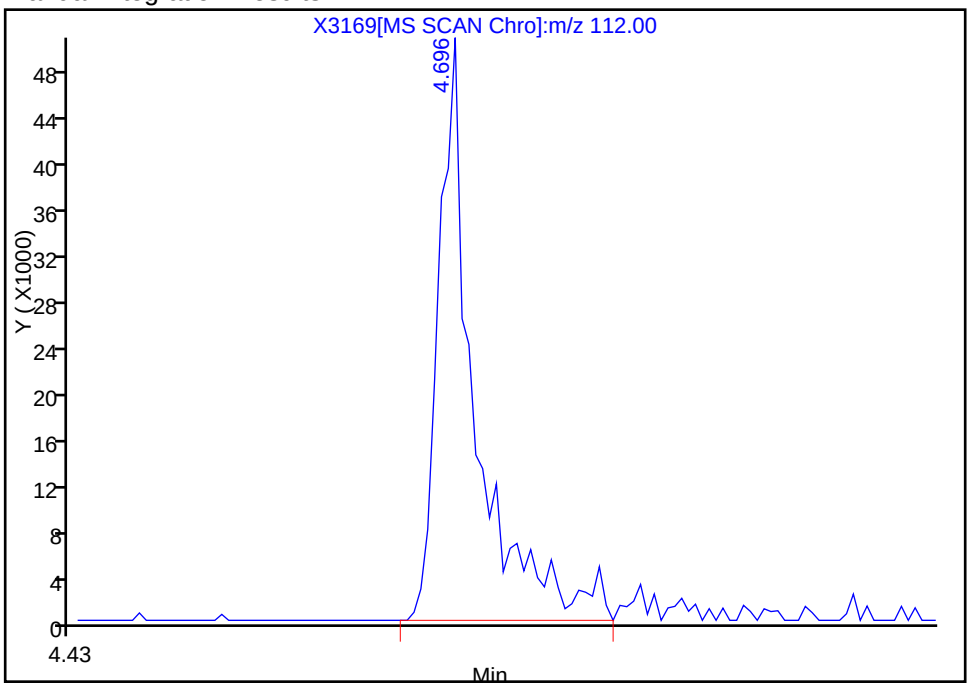
Processing Integration Results

Not Detected
Expected RT: 4.62



Manual Integration Results

RT: 4.70
Response: 89285
Amount: 1.552026



Reviewer: mckernar, 20-Dec-2012 09:27:24
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 09-Mar-2013 09:48:25 Chrom Revision: 2.0 01-Feb-2013 10:03:10

Manual Integration/User Assign Peak Report

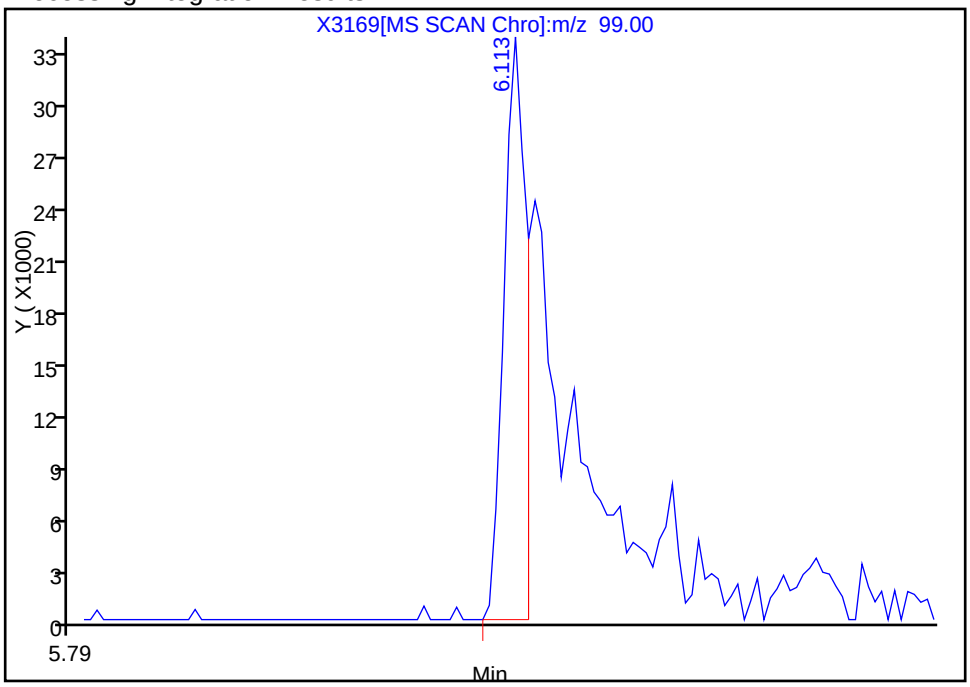
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3169.D		
Injection Date:	19-Dec-2012 17:13:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	16
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: 6.06

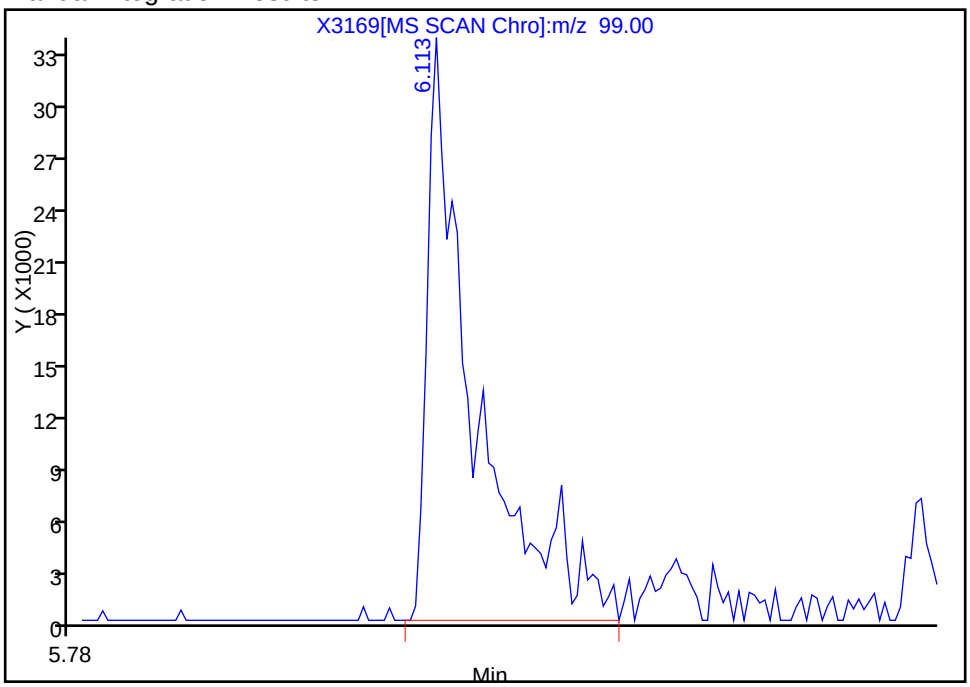
Processing Integration Results

RT: 6.11
Response: 37639
Amount: 0.499521



Manual Integration Results

RT: 6.11
Response: 98888
Amount: 1.412357



Reviewer: mckernar, 20-Dec-2012 09:27:24
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 09-Mar-2013 09:48:25 Chrom Revision: 2.0 01-Feb-2013 10:03:10

Manual Integration/User Assign Peak Report

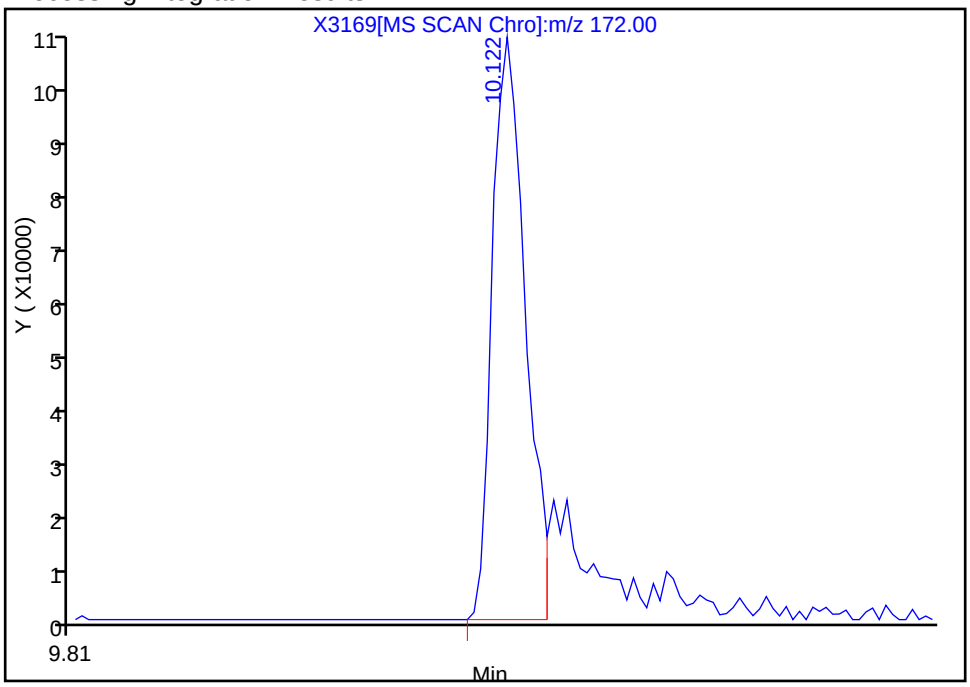
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3169.D		
Injection Date:	19-Dec-2012 17:13:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	16
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: 10.12

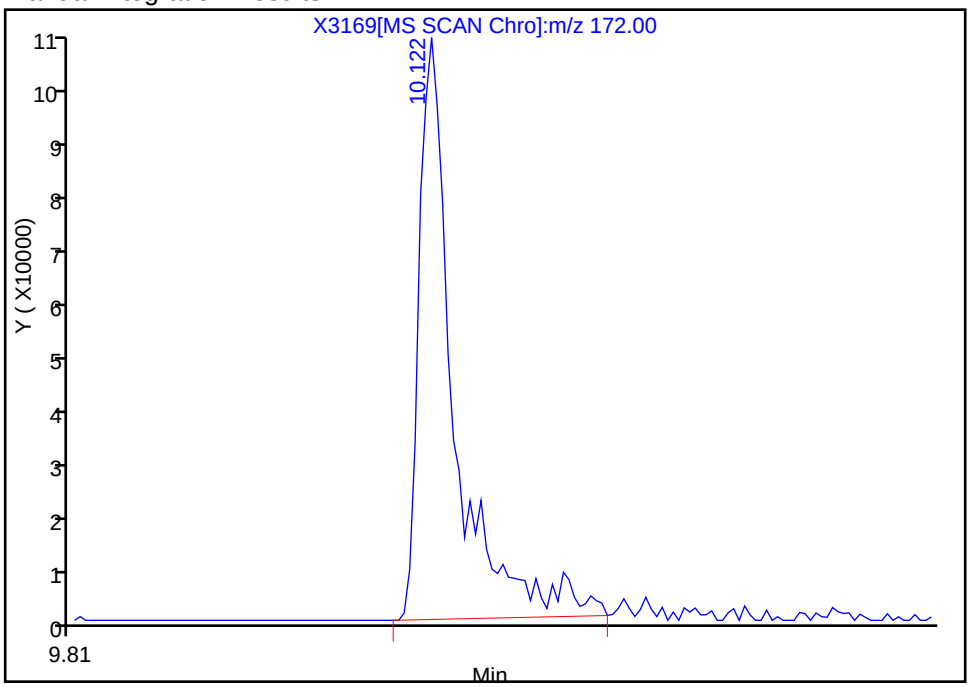
Processing Integration Results

RT: 10.12
Response: 168854
Amount: 1.080443



Manual Integration Results

RT: 10.12
Response: 217732
Amount: 1.532278



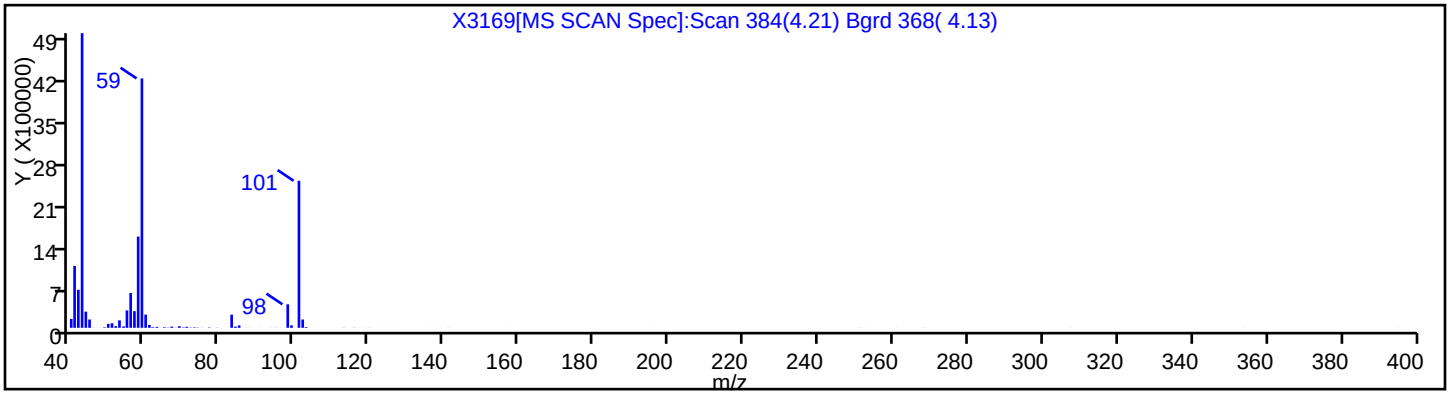
Reviewer: mckernar, 20-Dec-2012 09:27:24
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 09-Mar-2013 09:48:25 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3169.D		
Injection Date:	19-Dec-2012 17:13:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96568	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



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo
Job No.: 480-30197-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCS 480-96302/2-A
Matrix: Solid
Lab File ID: X3170.D
Analysis Method: 8270D
Date Collected:
Extract. Method: 3546
Date Extracted: 12/18/2012 08:12
Sample wt/vol: 000030.5(g)
Date Analyzed: 12/19/2012 17:38
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.: 96568
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	60.3		33	11
62-53-3	Aniline	32.4	J	33	9.8
67-72-1	Hexachloroethane	46.1		33	9.8
131-11-3	Dimethyl phthalate	49.6		33	9.8
105-67-9	2,4-Dimethylphenol	41.5		33	9.8
78-59-1	Isophorone	50.7		33	9.8
86-73-7	Fluorene	46.6		33	9.8
132-64-9	Dibenzofuran	49.9		33	9.8
208-96-8	Acenaphthylene	49.6		33	9.8
120-83-2	2,4-Dichlorophenol	49.9		33	9.8
191-24-2	Benzo[g,h,i]perylene	62.8		33	9.8
118-74-1	Hexachlorobenzene	57.2		33	9.8
117-84-0	Di-n-octyl phthalate	50.6		33	9.8
87-68-3	Hexachlorobutadiene	50.5		33	9.8
85-01-8	Phenanthrene	53.5		33	9.8
88-75-5	2-Nitrophenol	35.9		33	13
207-08-9	Benzo[k]fluoranthene	52.1		33	17
51-28-5	2,4-Dinitrophenol	ND		33	27
120-12-7	Anthracene	50.7		33	9.8
91-57-6	2-Methylnaphthalene	52.5		33	9.8
84-74-2	Di-n-butyl phthalate	54.8	J	160	49
120-82-1	1,2,4-Trichlorobenzene	50.2		33	9.8
129-00-0	Pyrene	60.8		33	9.8
121-14-2	2,4-Dinitrotoluene	43.3		33	9.8
53-70-3	Dibenz(a,h)anthracene	54.5		33	9.8
541-73-1	1,3-Dichlorobenzene	45.0		33	9.8
98-95-3	Nitrobenzene	47.6		33	9.8
91-20-3	Naphthalene	48.9		33	9.8
88-06-2	2,4,6-Trichlorophenol	53.9		33	14
87-86-5	Pentachlorophenol	56.2		33	9.8
206-44-0	Fluoranthene	46.2		33	9.8
91-94-1	3,3'-Dichlorobenzidine	29.8	J	66	12
101-55-3	4-Bromophenyl phenyl ether	54.1		33	9.8

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo
Job No.: 480-30197-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCS 480-96302/2-A
Matrix: Solid
Lab File ID: X3170.D
Analysis Method: 8270D
Date Collected:
Extract. Method: 3546
Date Extracted: 12/18/2012 08:12
Sample wt/vol: 000030.5(g)
Date Analyzed: 12/19/2012 17:38
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.: 96568
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
84-66-2	Diethyl phthalate	51.0		33	11
95-48-7	2-Methylphenol	44.5		33	9.8
95-50-1	1,2-Dichlorobenzene	44.1		33	9.8
108-60-1	2,2'-oxybis[1-chloropropane]	46.8		33	9.8
111-44-4	Bis(2-chloroethyl)ether	48.4		33	9.8
56-55-3	Benzo[a]anthracene	49.5		33	9.8
193-39-5	Indeno[1,2,3-cd]pyrene	57.5		33	9.8
85-68-7	Butyl benzyl phthalate	54.0		33	9.8
218-01-9	Chrysene	62.4		33	9.8
83-32-9	Acenaphthene	49.0		33	9.8
205-99-2	Benzo[b]fluoranthene	49.3		33	9.8
100-02-7	4-Nitrophenol	ND		160	14
106-47-8	4-Chloroaniline	ND		66	30
95-57-8	2-Chlorophenol	43.5		33	9.8
606-20-2	2,6-Dinitrotoluene	ND		33	28
108-95-2	Phenol	46.2		33	9.8
106-46-7	1,4-Dichlorobenzene	45.1		33	9.8
111-91-1	Bis(2-chloroethoxy)methane	43.3		33	9.8
91-58-7	2-Chloronaphthalene	31.5	J	33	9.8
621-64-7	N-Nitrosodi-n-propylamine	45.3		33	9.8
7005-72-3	4-Chlorophenyl phenyl ether	47.8		33	9.8
59-50-7	4-Chloro-3-methylphenol	52.6	J	66	9.8
50-32-8	Benzo[a]pyrene	51.3		33	9.8
106-44-5	4-Methylphenol	48.7		33	9.8
100-01-6	4-Nitroaniline	48.3	J	160	28
88-74-4	2-Nitroaniline	54.4	J	160	41
534-52-1	4,6-Dinitro-2-methylphenol	55.7	J	160	31
86-30-6	N-Nitrosodiphenylamine	24.5	J	33	9.8
103-33-3	Azobenzene	62.2		33	9.8
77-47-4	Hexachlorocyclopentadiene	35.3	J	66	9.8
99-09-2	3-Nitroaniline	35.7	J	160	9.8
62-75-9	N-Nitrosodimethylamine	31.1	J	33	9.8
100-51-6	Benzyl alcohol	ND		66	9.8
65-85-0	Benzoic acid	70.6	J	160	15

FORM I

GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30197-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-96302/2-A

Matrix: Solid | Lab File ID: X3170.D

Analysis Method: 8270D | Date Collected:

Extract. Method: 3546 | Date Extracted: 12/18/2012 08:12

Sample wt/vol: 000030.5(g) | Date Analyzed: 12/19/2012 17:38

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.: 96568 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	75		30-130
367-12-4	2-Fluorophenol	72		30-130
4165-60-0	Nitrobenzene-d5	68		30-130
4165-62-2	Phenol-d5	68		30-130
321-60-8	2-Fluorobiphenyl	82		30-130
1718-51-0	p-Terphenyl-d14	96		30-130

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3170.D
Lims ID: LCS 480-96302/2-A Client ID:
Inject. Date: 19-Dec-2012 17:38:30 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: 480-0017692-017
Misc. Info.:
Operator: ANM Instrument ID: HP5973X
Injection Vol: 1.0 ul ALS Bottle#: 18
Lims Batch ID: 96568 Lims Sample ID: 17
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973X\20121219-17692.b\X-8270LL.m
Last Update: 09-Mar-2013 09:48:24 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 09:32:42

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.561	6.546	0.015	83	275259	5.00	
* 2 Naphthalene-d8	136	8.453	8.482	-0.029	98	1002018	5.00	
* 3 Acenaphthene-d10	164	11.088	11.107	-0.019	91	591190	5.00	
* 4 Phenanthrene-d10	188	13.099	13.104	-0.005	96	889842	5.00	
* 5 Chrysene-d12	240	15.744	15.753	-0.009	97	568208	5.00	
* 6 Perylene-d12	264	17.032	17.037	-0.005	96	559649	5.00	
$ 7 2-Fluorophenol	112	4.696	4.620	0.076	0	89451	1.43	M
$ 8 Phenol-d5	99	6.099	6.056	0.043	82	102994	1.35	M
$ 9 Nitrobenzene-d5	82	7.398	7.407	-0.009	83	101670	1.35	
$ 10 2-Fluorobiphenyl	172	10.103	10.122	-0.019	93	243686	1.64	
$ 11 2,4,6-Tribromophenol	330	12.277	12.257	0.020	0	24416	1.49	M
$ 12 p-Terphenyl-d14	244	14.783	14.778	0.005	95	211214	1.93	
19 N-Nitrosodimethylamine	42	2.818	2.718	0.100	39	47648	0.9475	
23 Aniline	93	6.099	6.066	0.033	92	99675	0.9890	
22 Phenol	94	6.114	6.075	0.039	0	118274	1.41	M
24 Bis(2-chloroethyl)ether	93	6.194	6.170	0.024	94	97525	1.48	
25 2-Chlorophenol	128	6.270	6.237	0.033	95	94510	1.33	
26 1,3-Dichlorobenzene	146	6.470	6.456	0.014	93	121376	1.37	
27 1,4-Dichlorobenzene	146	6.584	6.575	0.009	58	121458	1.38	
29 1,2-Dichlorobenzene	146	6.803	6.798	0.005	83	110819	1.35	
28 Benzyl alcohol	108	6.798	6.803	-0.005	0	1226	0.0607	M
31 2-Methylphenol	108	6.998	6.988	0.010	54	81179	1.36	
32 2,2'-oxybis[1-chloropropane]	45	6.998	6.998	0.0	76	153120	1.43	
34 N-Nitrosodi-n-propylamine	70	7.184	7.193	-0.009	52	70818	1.38	
36 4-Methylphenol	108	7.255	7.245	0.010	79	89938	1.48	M
37 Hexachloroethane	117	7.293	7.302	-0.009	92	50958	1.40	
38 Nitrobenzene	77	7.426	7.435	-0.009	72	113122	1.45	
40 Isophorone	82	7.788	7.806	-0.018	72	198166	1.54	
41 2-Nitrophenol	139	7.906	7.925	-0.019	80	38825	1.09	
43 2,4-Dimethylphenol	107	8.044	8.039	0.005	79	84641	1.26	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
45 Bis(2-chloroethoxy)methane	93	8.139	8.163	-0.024	86	100254	1.32	
44 Benzoic acid	105	8.344	8.220	0.124	69	60816	2.15	M
47 2,4-Dichlorophenol	162	8.339	8.315	0.024	0	82859	1.52	M
48 1,2,4-Trichlorobenzene	180	8.377	8.405	-0.028	91	102530	1.53	
49 Naphthalene	128	8.487	8.515	-0.028	92	331292	1.49	
51 4-Chloroaniline	127	8.653	8.643	0.010	64	60158	0.7490	M
52 Hexachlorobutadiene	225	8.677	8.715	-0.038	70	56358	1.54	
55 4-Chloro-3-methylphenol	107	9.466	9.442	0.024	72	96609	1.61	M
56 2-Methylnaphthalene	142	9.542	9.566	-0.024	76	249241	1.60	
58 Hexachlorocyclopentadiene	237	9.761	9.794	-0.033	40	20550	1.08	
60 2,4,6-Trichlorophenol	196	10.027	10.018	0.009	73	56167	1.65	M
61 2,4,5-Trichlorophenol	196	10.165	10.103	0.062	72	60740	1.84	M
63 2-Chloronaphthalene	162	10.270	10.312	-0.042	89	191329	0.9597	
65 2-Nitroaniline	65	10.512	10.484	0.028	65	65022	1.66	M
67 Dimethyl phthalate	163	10.755	10.764	-0.009	90	231617	1.51	
68 2,6-Dinitrotoluene	165	10.860	10.850	0.010	83	42794	0.6171	
69 Acenaphthylene	152	10.879	10.893	-0.014	85	313007	1.51	
70 3-Nitroaniline	138	11.197	11.111	0.086	90	37470	1.09	M
71 Acenaphthene	153	11.135	11.154	-0.019	87	214994	1.49	
72 2,4-Dinitrophenol	184	11.378	11.283	0.095	0	2251	0.2240	M
73 Dibenzofuran	168	11.416	11.416	0.0	99	267524	1.52	
74 2,4-Dinitrotoluene	165	11.492	11.459	0.033	87	58478	1.32	M
75 4-Nitrophenol	109		11.487					
78 Diethyl phthalate	149	11.801	11.810	-0.009	91	260587	1.56	
79 Fluorene	166	11.915	11.915	0.0	84	228404	1.42	
80 4-Chlorophenyl phenyl ether	204	11.930	11.934	-0.004	87	103673	1.46	
81 4-Nitroaniline	138	12.129	12.015	0.114	0	42553	1.47	M
82 4,6-Dinitro-2-methylphenol	198	12.101	12.043	0.058	39	19378	1.70	M
83 N-Nitrosodiphenylamine	169	12.110	12.105	0.005	94	154569	0.7470	
85 Azobenzene	77	12.148	12.148	0.0	93	253274	1.90	
89 4-Bromophenyl phenyl ether	248	12.572	12.571	0.001	86	55006	1.65	
91 Hexachlorobenzene	284	12.633	12.633	0.0	63	59391	1.74	
94 Pentachlorophenol	266	12.952	12.904	0.048	0	14972	1.71	M
97 Phenanthrene	178	13.128	13.128	0.0	92	323597	1.63	
98 Anthracene	178	13.195	13.190	0.005	92	312607	1.55	
102 Di-n-butyl phthalate	149	13.780	13.784	-0.004	96	363166	1.67	
104 Fluoranthene	202	14.412	14.407	0.005	95	276929	1.41	
105 Benzidine	184		14.573					
106 Pyrene	202	14.636	14.631	0.006	96	282252	1.85	
108 Butyl benzyl phthalate	149	15.225	15.230	-0.005	89	138706	1.65	
109 3,3'-Dichlorobenzidine	252	15.744	15.724	0.020	1	46333	0.9076	
110 Bis(2-ethylhexyl) phthalate	149	15.715	15.729	-0.014	94	198384	1.71	
111 Benzo[a]anthracene	228	15.744	15.743	0.001	49	184963	1.51	
112 Chrysene	228	15.772	15.777	-0.005	75	264107	1.90	
113 Di-n-octyl phthalate	149	16.252	16.266	-0.014	95	282173	1.54	
114 Benzo[b]fluoranthene	252	16.685	16.680	0.005	89	195536	1.50	
115 Benzo[k]fluoranthene	252	16.704	16.704	0.0	85	212746	1.59	
116 Benzo[a]pyrene	252	16.994	16.985	0.009	1	196736	1.57	M
117 Indeno[1,2,3-cd]pyrene	276	18.150	18.126	0.024	90	235074	1.75	M
118 Dibenz(a,h)anthracene	278	18.145	18.126	0.019	0	189169	1.66	M
119 Benzo[g,h,i]perylene	276	18.469	18.444	0.025	78	214357	1.92	M

QC Flag Legend

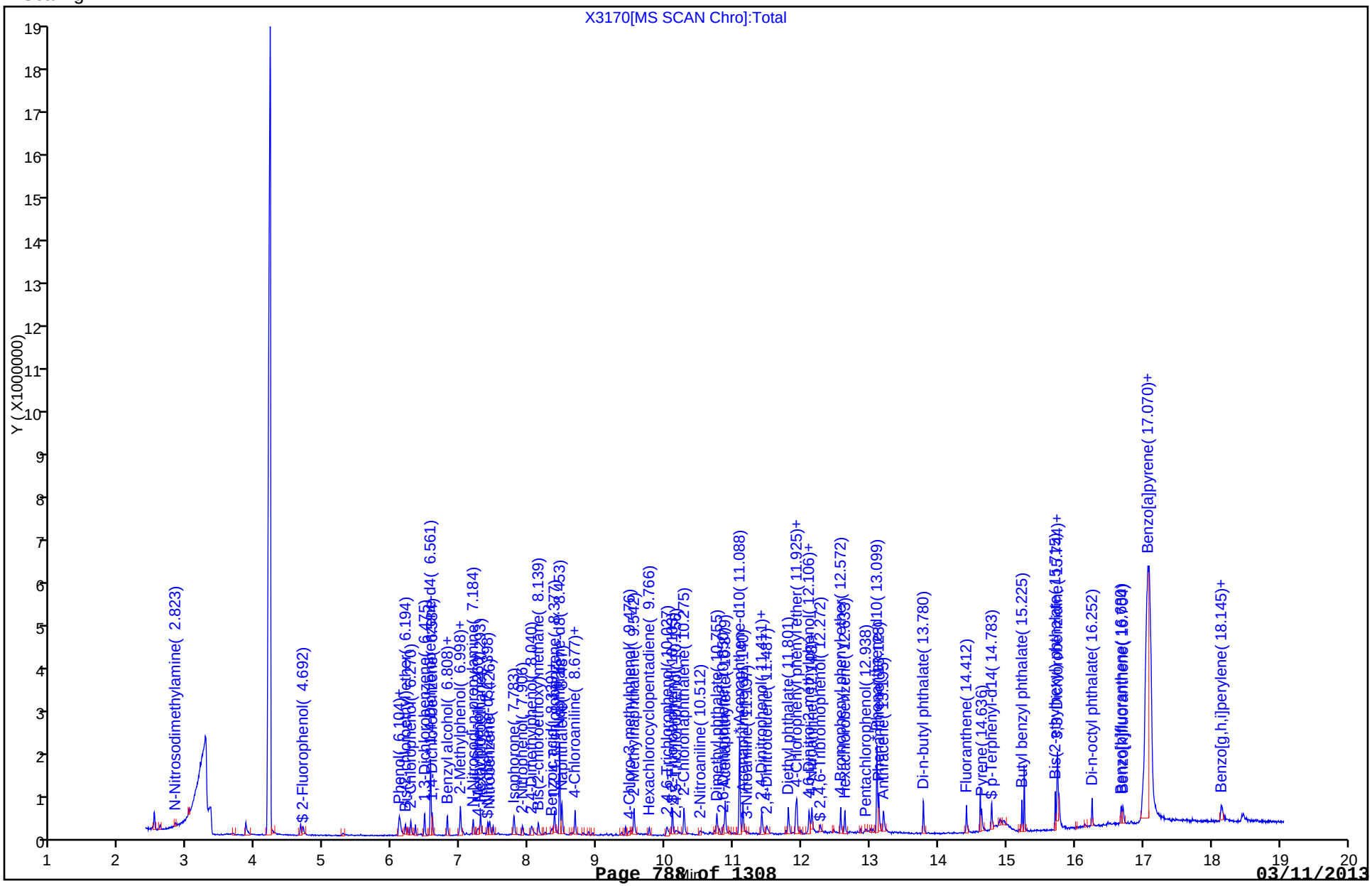
Review Flags
M - Manually Integrated

Report Date: 09-Mar-2013 09:48:25 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3170.D		
Injection Date:	19-Dec-2012 17:38:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96568	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 09:48:25 Chrom Revision: 2.0 01-Feb-2013 10:03:10

Manual Integration/User Assign Peak Report

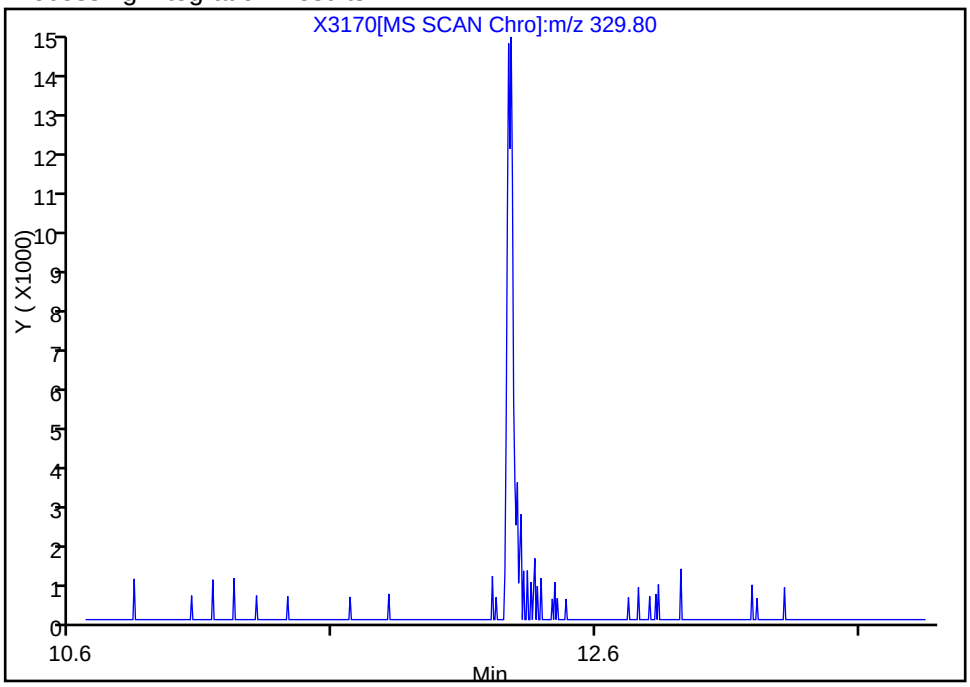
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3170.D		
Injection Date:	19-Dec-2012 17:38:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96568	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: 12.26

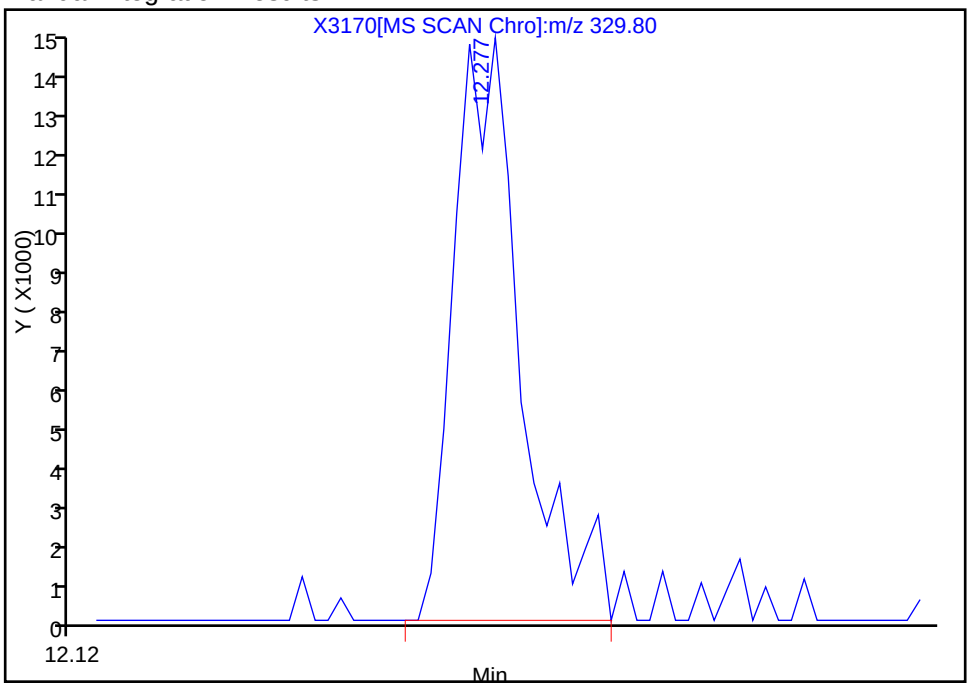
Processing Integration Results

Not Detected
Expected RT: 12.26



Manual Integration Results

RT: 12.28
Response: 24416
Amount: 1.491546



Reviewer: mckernar, 20-Dec-2012 09:32:42
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 09-Mar-2013 09:48:25 Chrom Revision: 2.0 01-Feb-2013 10:03:10

Manual Integration/User Assign Peak Report

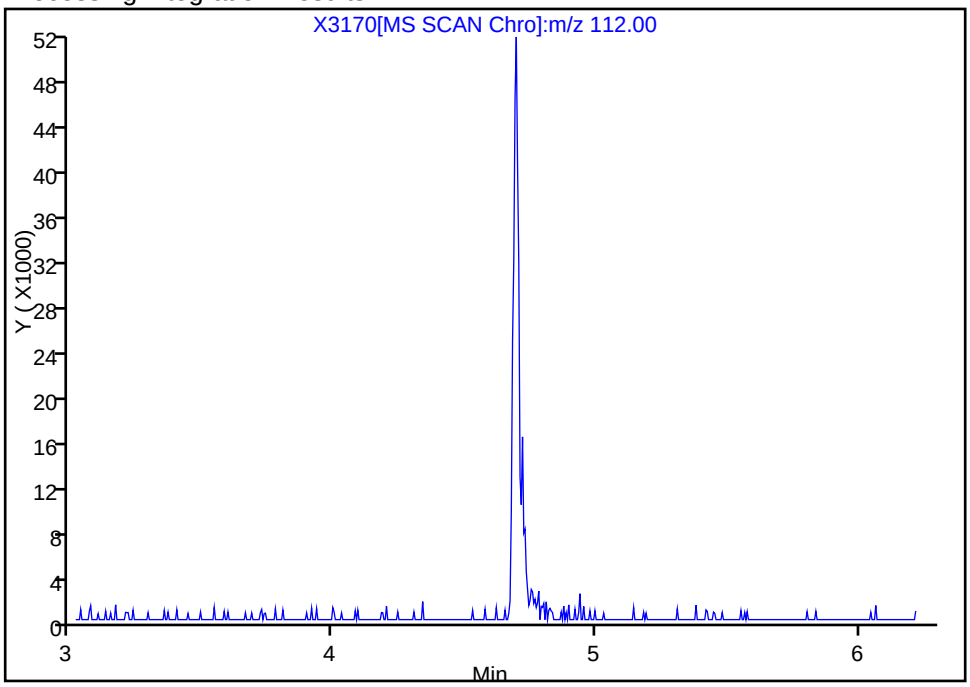
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3170.D		
Injection Date:	19-Dec-2012 17:38:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96568	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: 4.62

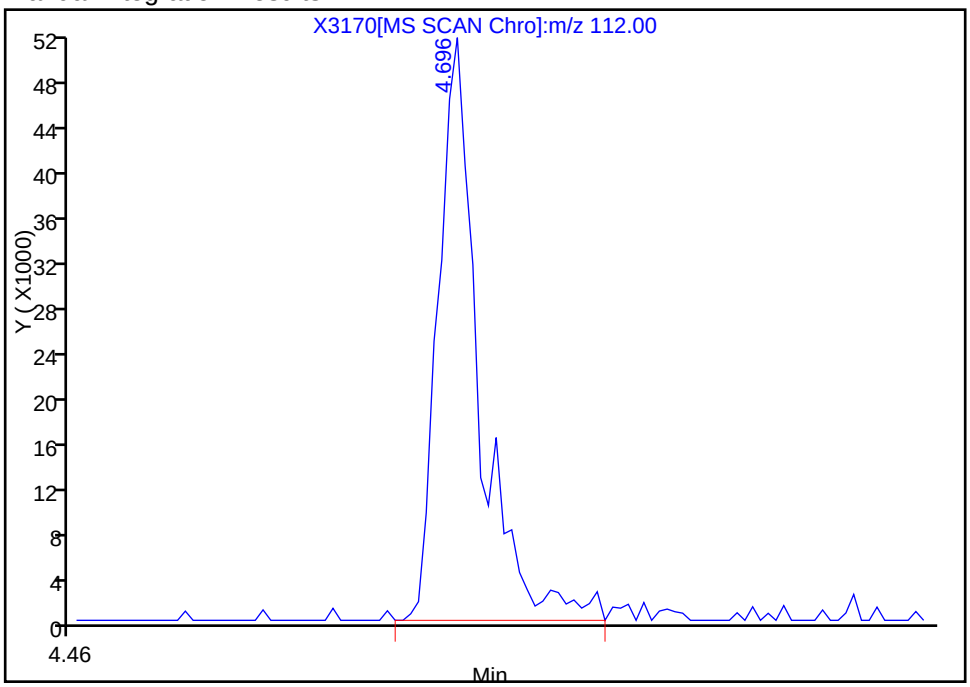
Processing Integration Results

Not Detected
Expected RT: 4.62



Manual Integration Results

RT: 4.70
Response: 89451
Amount: 1.432020



Reviewer: mckernar, 20-Dec-2012 09:32:42
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

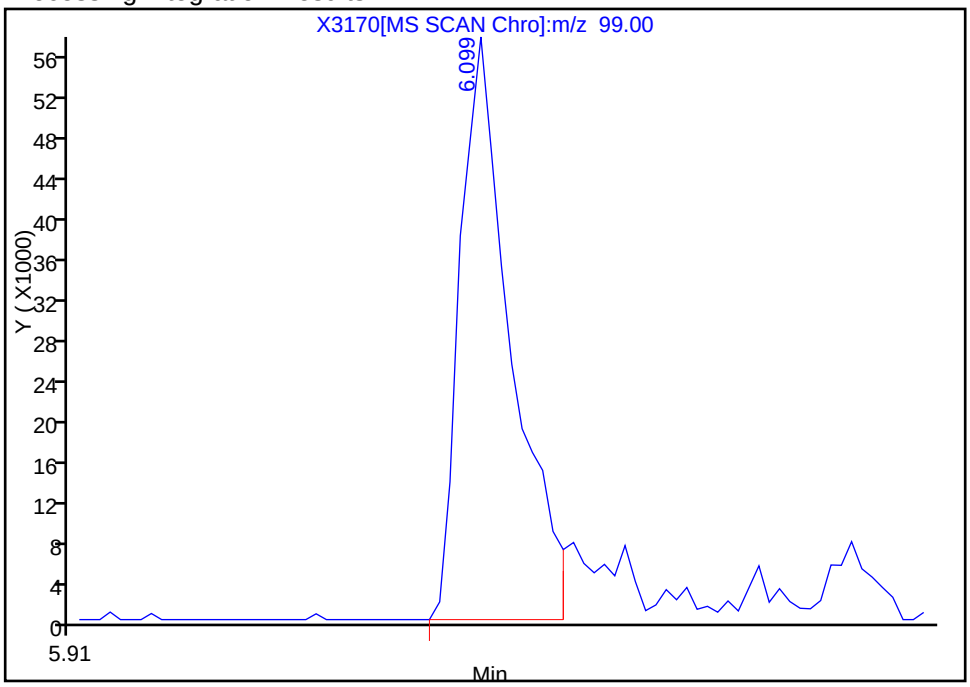
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3170.D		
Injection Date:	19-Dec-2012 17:38:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96568	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: 6.06

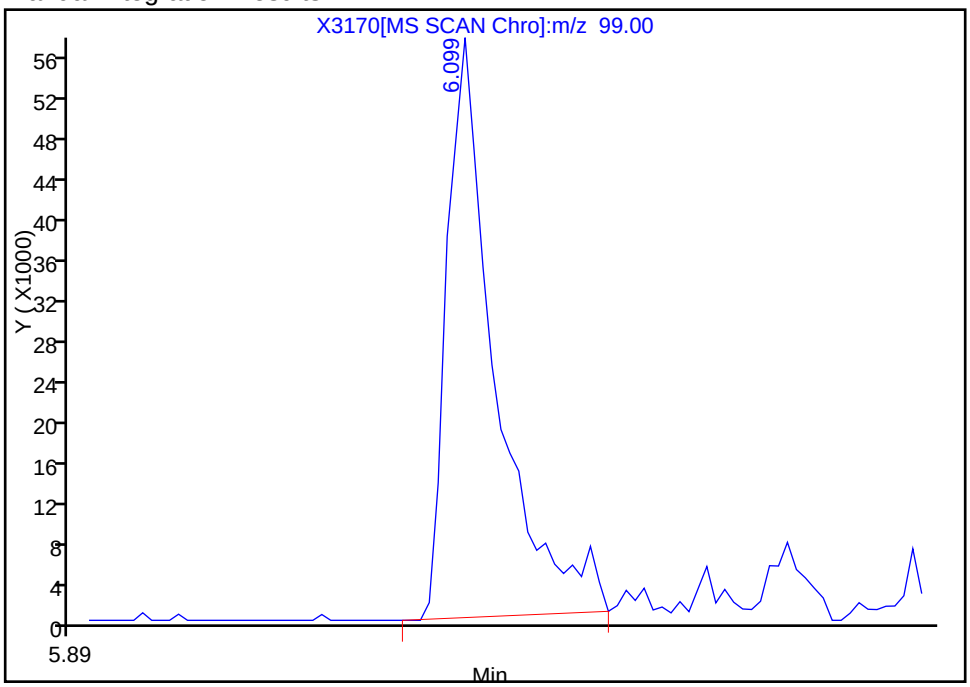
Processing Integration Results

RT: 6.10
Response: 94718
Amount: 1.157688



Manual Integration Results

RT: 6.10
Response: 102994
Amount: 1.354740



Reviewer: mckernar, 20-Dec-2012 09:32:42
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

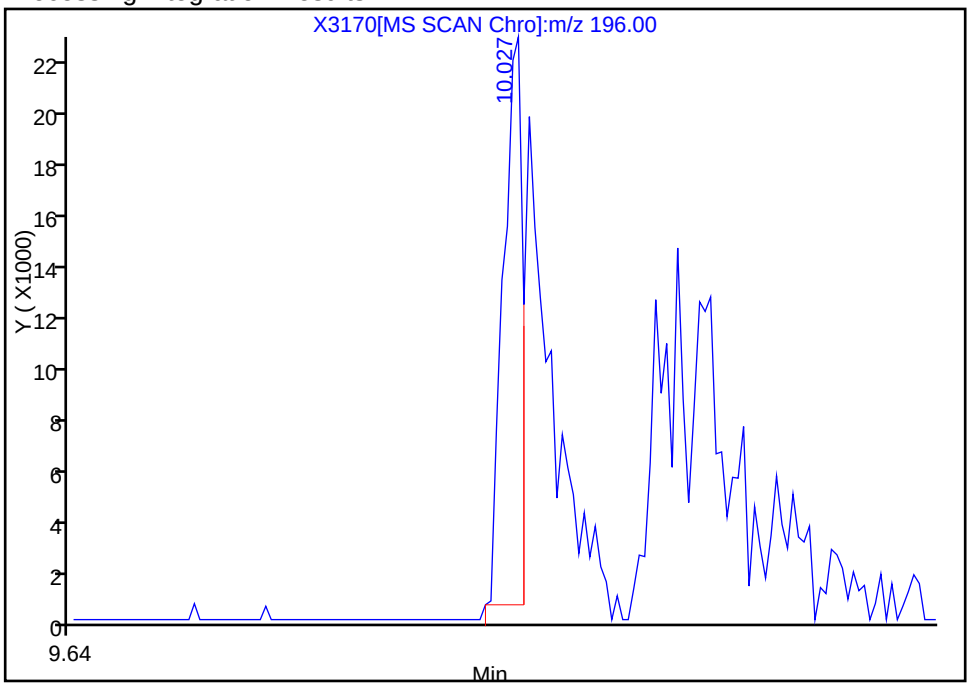
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3170.D		
Injection Date:	19-Dec-2012 17:38:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	17
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: 10.10

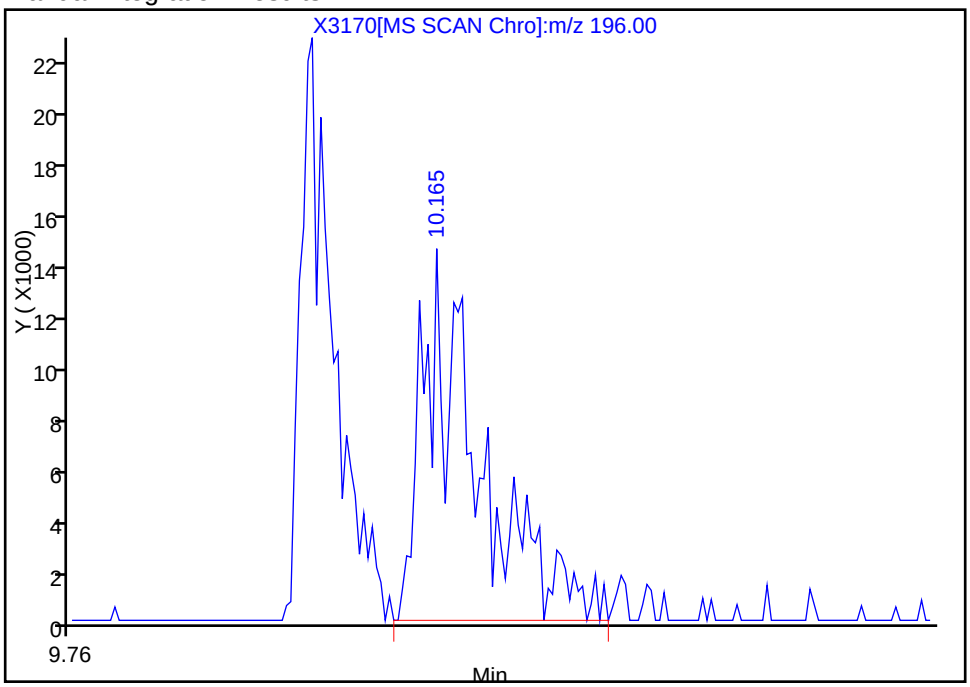
Processing Integration Results

RT: 10.03
Response: 24988
Amount: 0.683396



Manual Integration Results

RT: 10.17
Response: 60740
Amount: 1.839217



Reviewer: mckernar, 20-Dec-2012 09:32:42
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

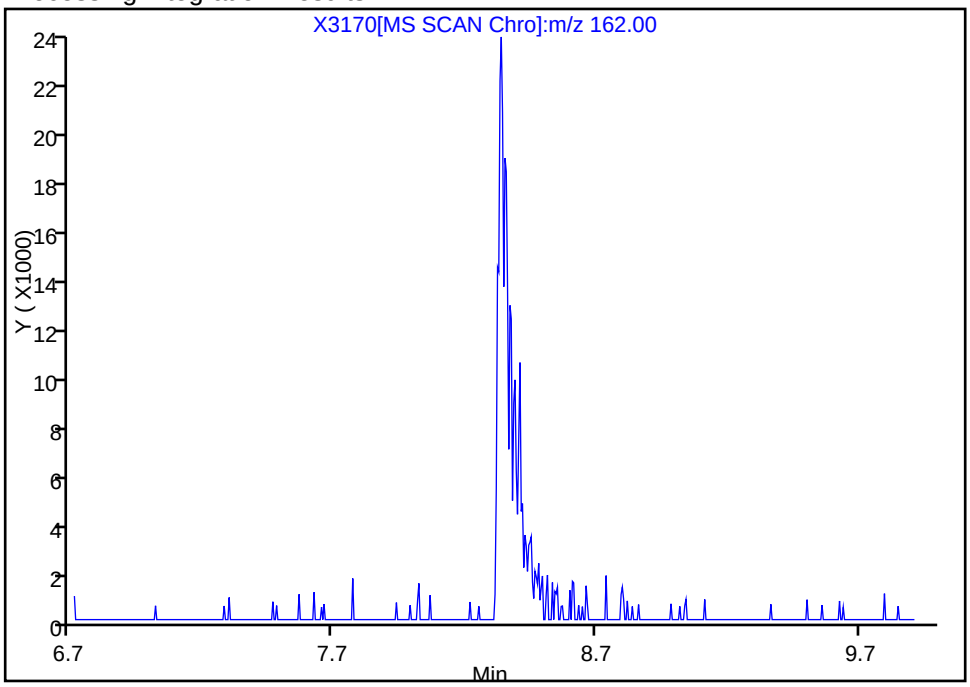
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3170.D		
Injection Date:	19-Dec-2012 17:38:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	17
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

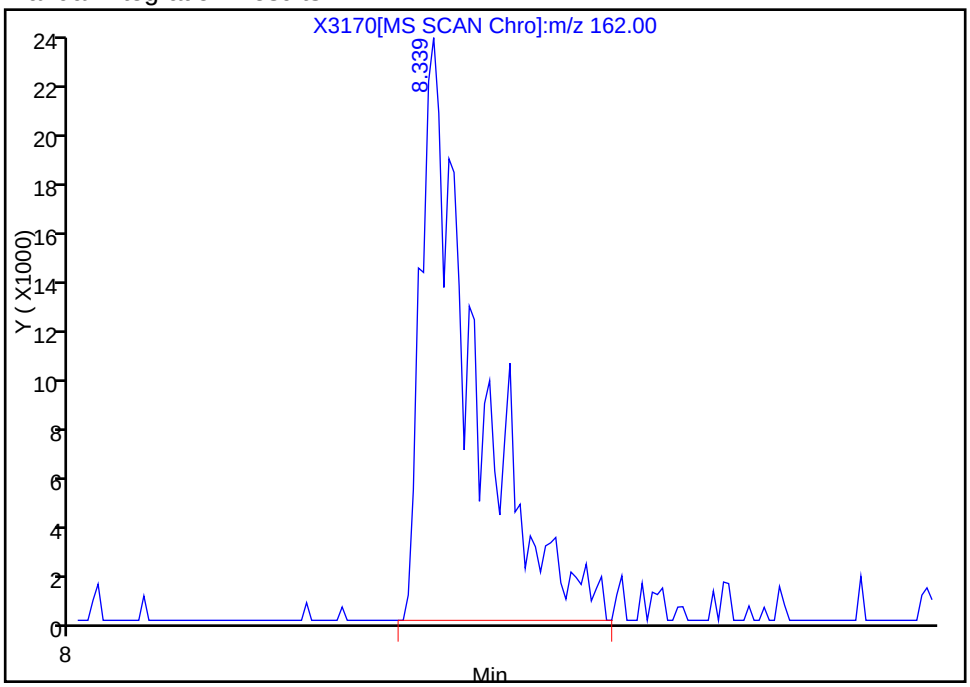
Processing Integration Results

Not Detected
Expected RT: 8.32



Manual Integration Results

RT: 8.34
Response: 82859
Amount: 1.521120



Reviewer: mckernar, 20-Dec-2012 09:32:42
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 09-Mar-2013 09:48:27 Chrom Revision: 2.0 01-Feb-2013 10:03:10

Manual Integration/User Assign Peak Report

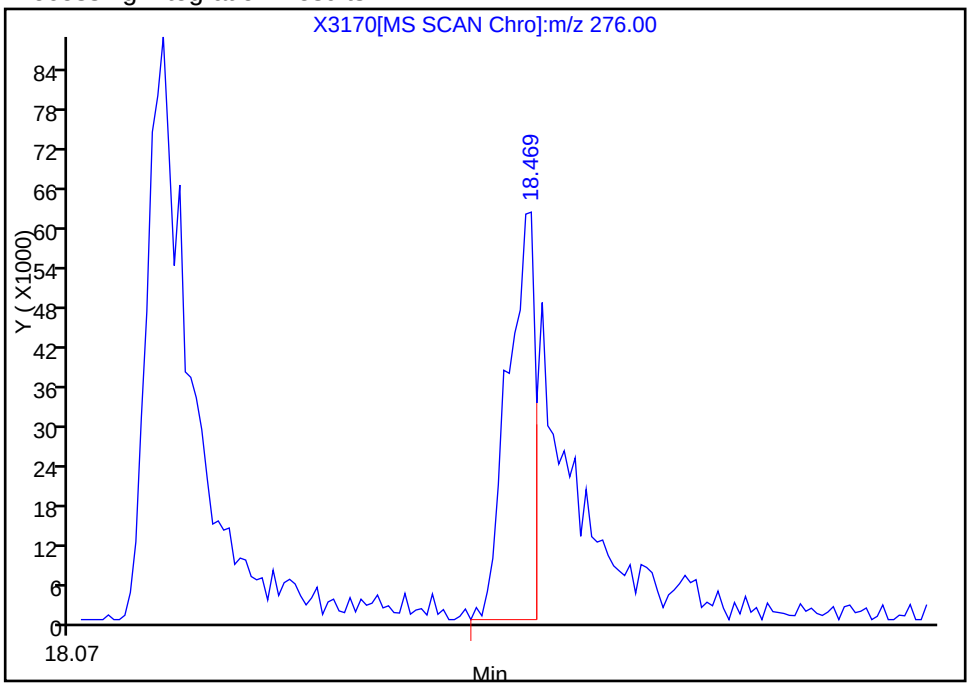
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3170.D		
Injection Date:	19-Dec-2012 17:38:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	17
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: 18.44

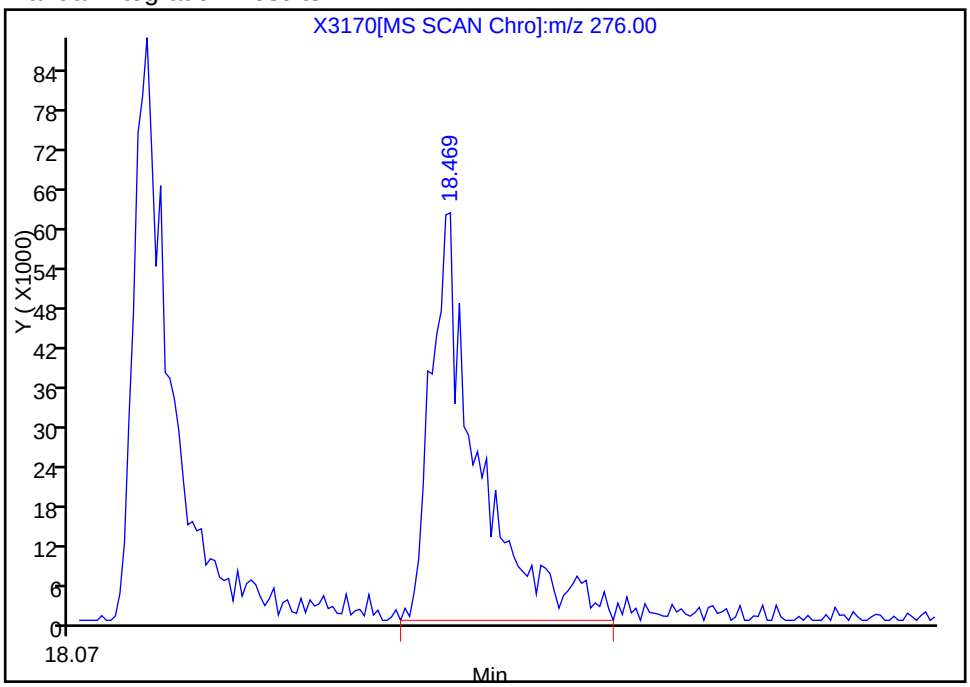
Processing Integration Results

RT: 18.47
Response: 102838
Amount: 0.953391



Manual Integration Results

RT: 18.47
Response: 214357
Amount: 1.915158



Reviewer: mckernar, 20-Dec-2012 09:32:42
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

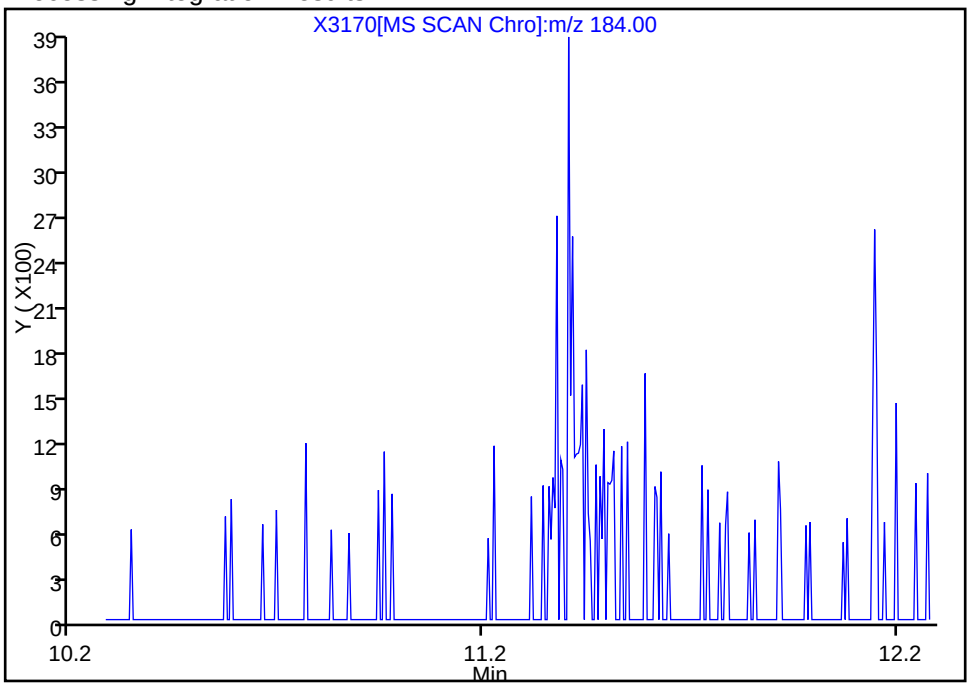
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3170.D		
Injection Date:	19-Dec-2012 17:38:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	17
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: 11.28

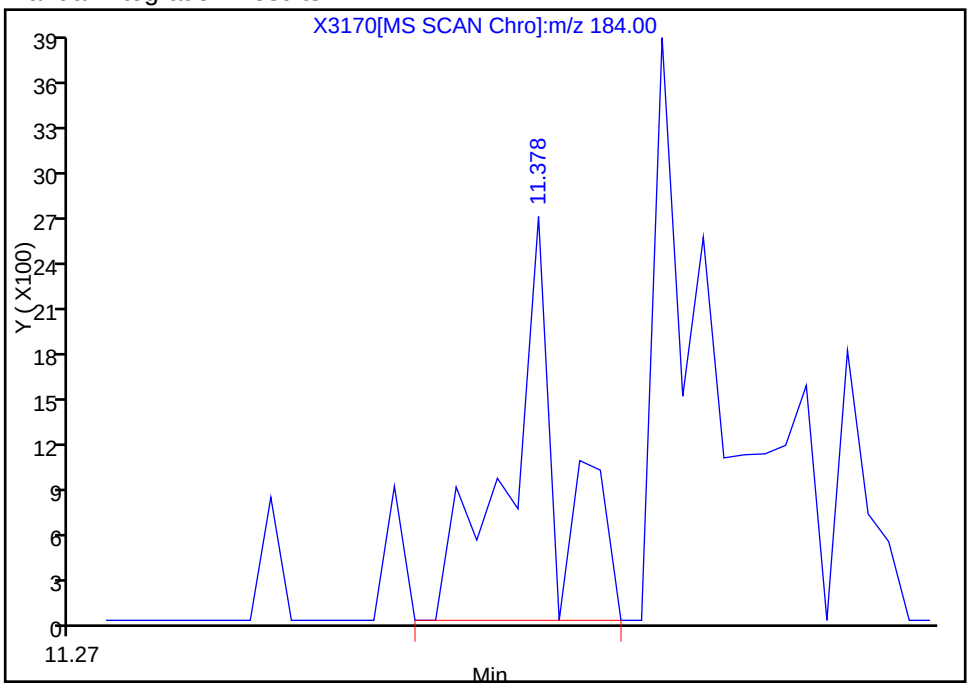
Processing Integration Results

Not Detected
Expected RT: 11.28



Manual Integration Results

RT: 11.38
Response: 2251
Amount: 0.223998



Reviewer: mckernar, 20-Dec-2012 09:32:42
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 09-Mar-2013 09:48:26 Chrom Revision: 2.0 01-Feb-2013 10:03:10

Manual Integration/User Assign Peak Report

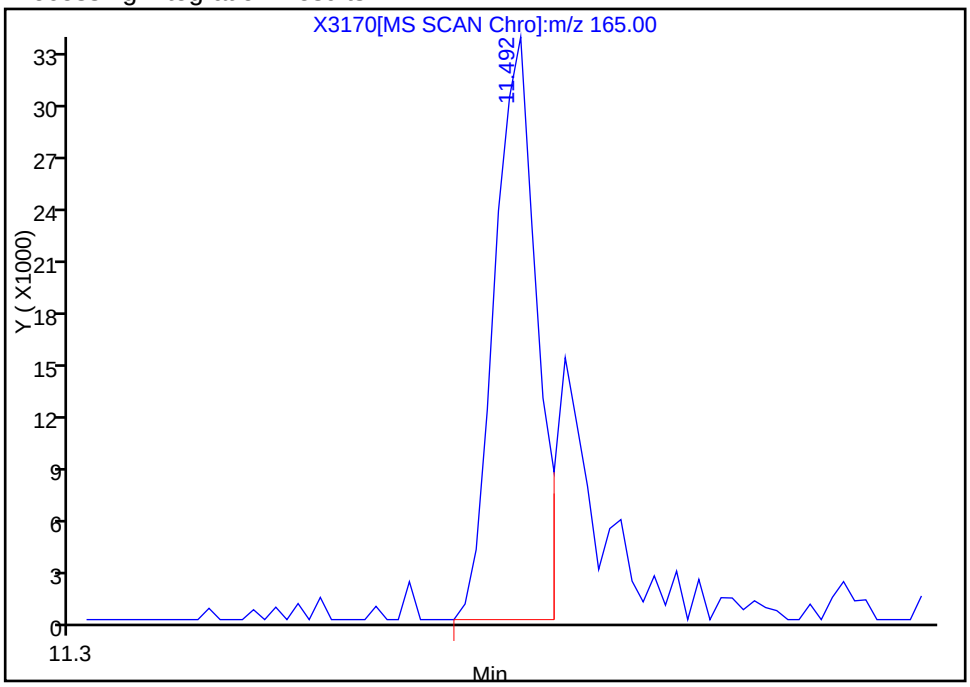
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3170.D		
Injection Date:	19-Dec-2012 17:38:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	17
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: 11.46

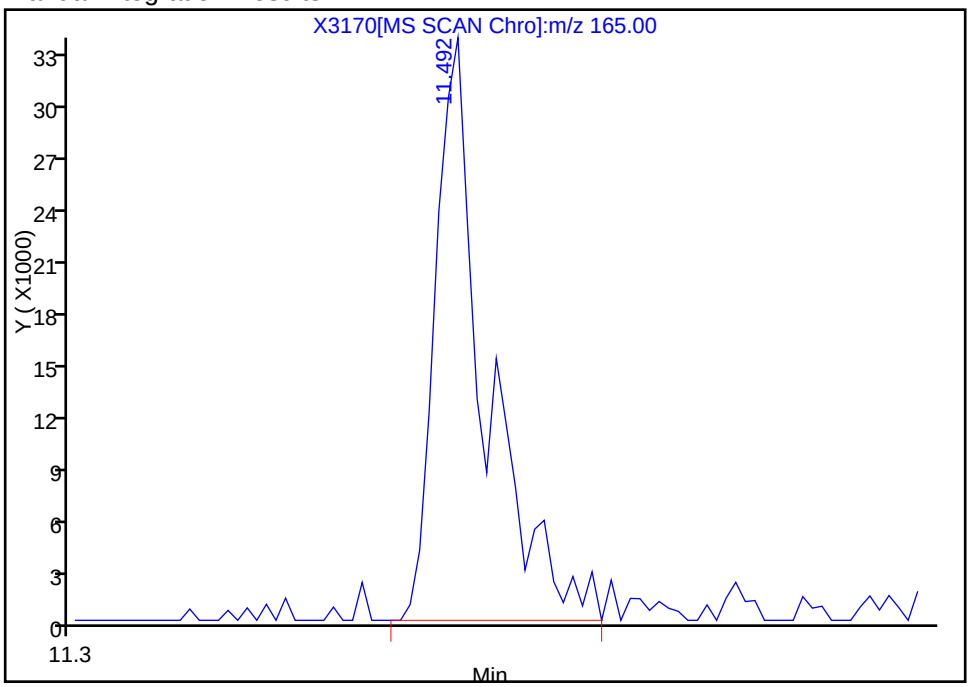
Processing Integration Results

RT: 11.49
Response: 42141
Amount: 0.828390



Manual Integration Results

RT: 11.49
Response: 58478
Amount: 1.321040



Reviewer: mckernar, 20-Dec-2012 09:32:42
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 09-Mar-2013 09:48:26 Chrom Revision: 2.0 01-Feb-2013 10:03:10

Manual Integration/User Assign Peak Report

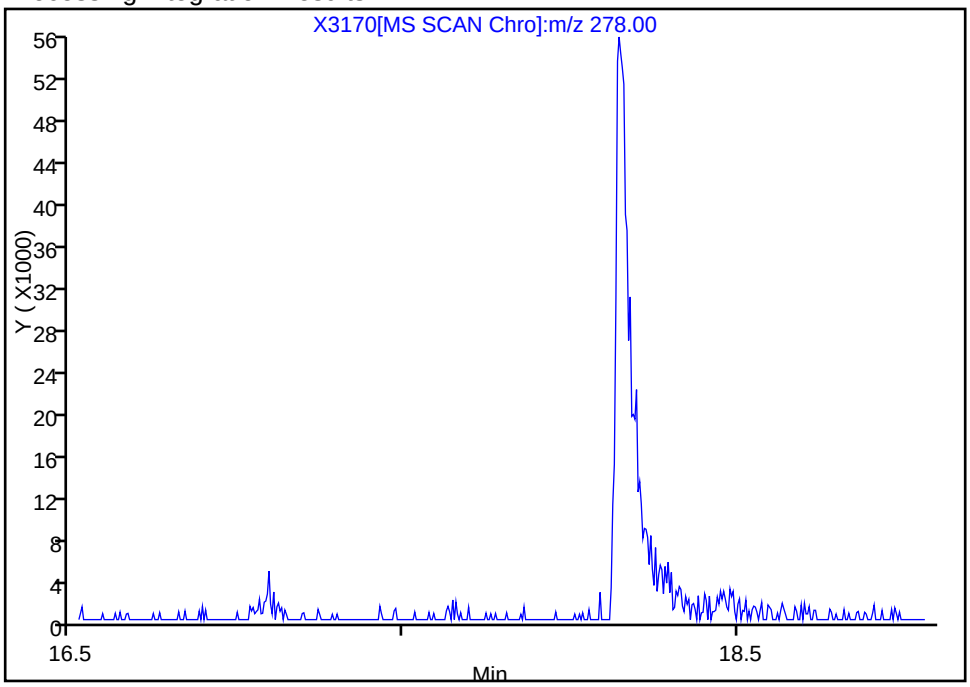
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3170.D		
Injection Date:	19-Dec-2012 17:38:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	17
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: 18.13

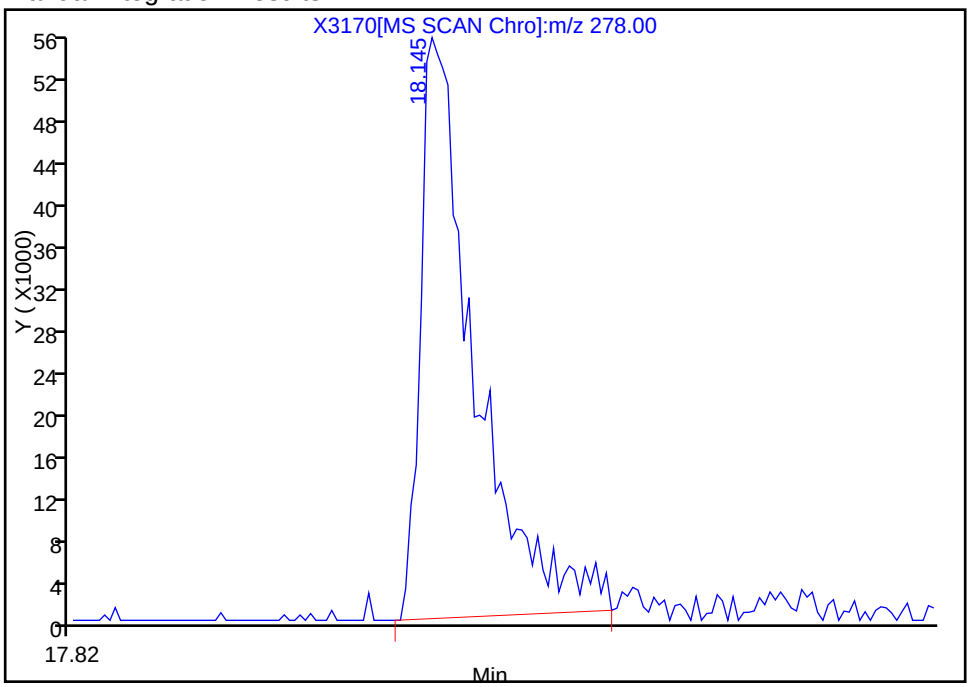
Processing Integration Results

Not Detected
Expected RT: 18.13



Manual Integration Results

RT: 18.15
Response: 189169
Amount: 1.661701



Reviewer: mckernar, 20-Dec-2012 09:32:42
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 09-Mar-2013 09:48:26 Chrom Revision: 2.0 01-Feb-2013 10:03:10

Manual Integration/User Assign Peak Report

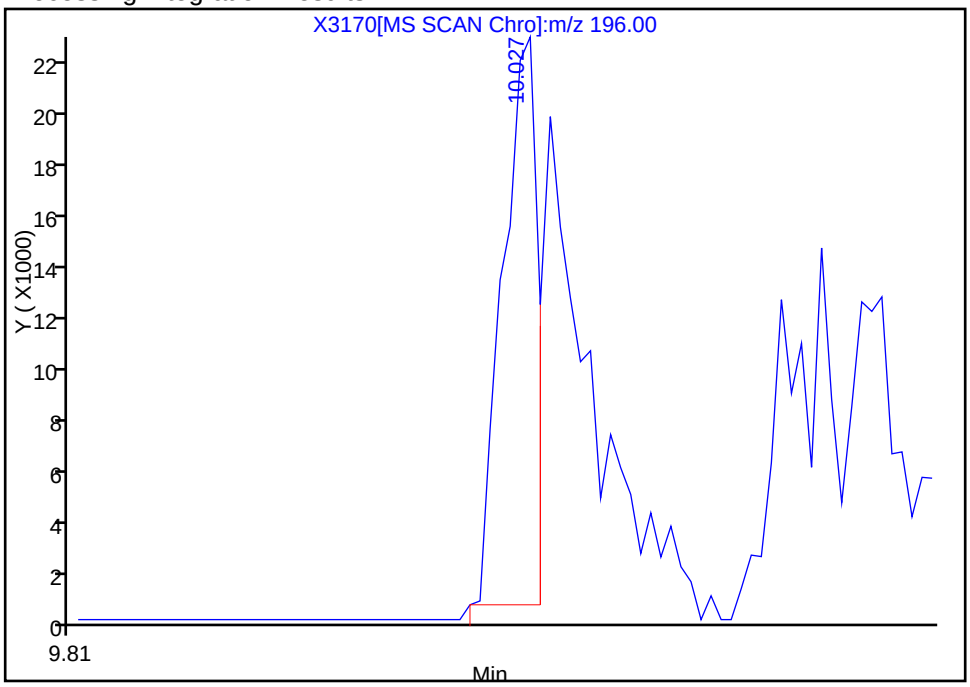
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3170.D		
Injection Date:	19-Dec-2012 17:38:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	17
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: 10.02

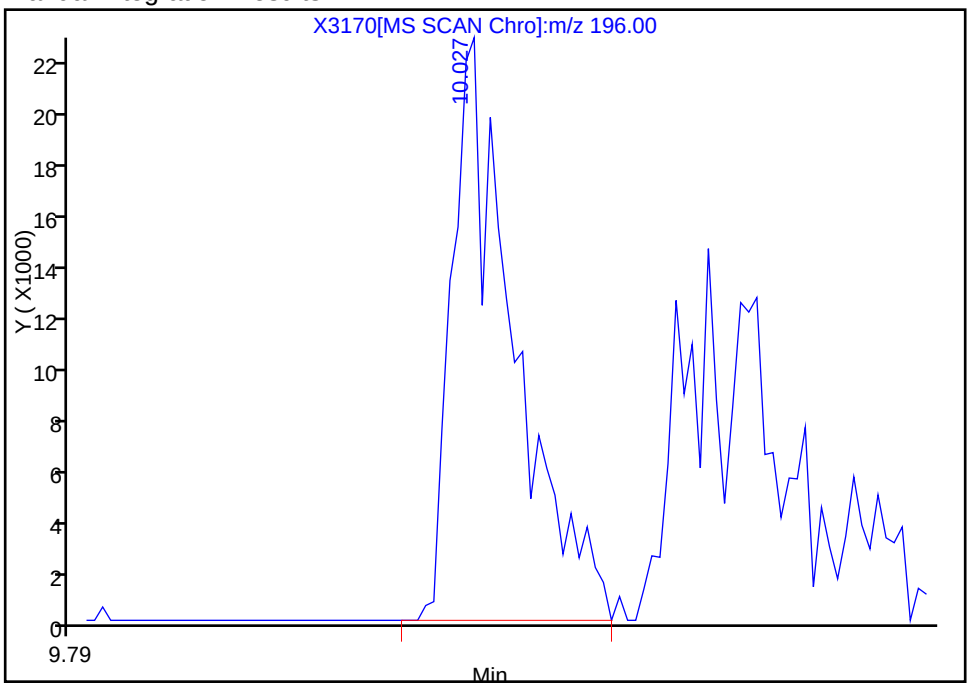
Processing Integration Results

RT: 10.03
Response: 24988
Amount: 0.645090



Manual Integration Results

RT: 10.03
Response: 56167
Amount: 1.645217



Reviewer: mckernar, 20-Dec-2012 09:32:42
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 09-Mar-2013 09:48:26 Chrom Revision: 2.0 01-Feb-2013 10:03:10

Manual Integration/User Assign Peak Report

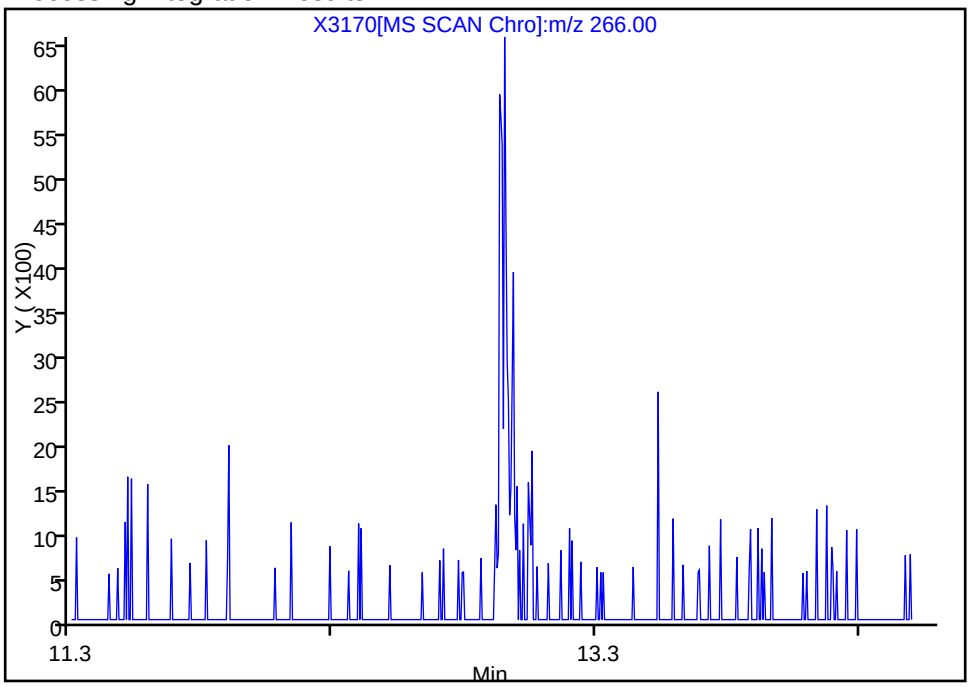
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3170.D		
Injection Date:	19-Dec-2012 17:38:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	17
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: 12.90

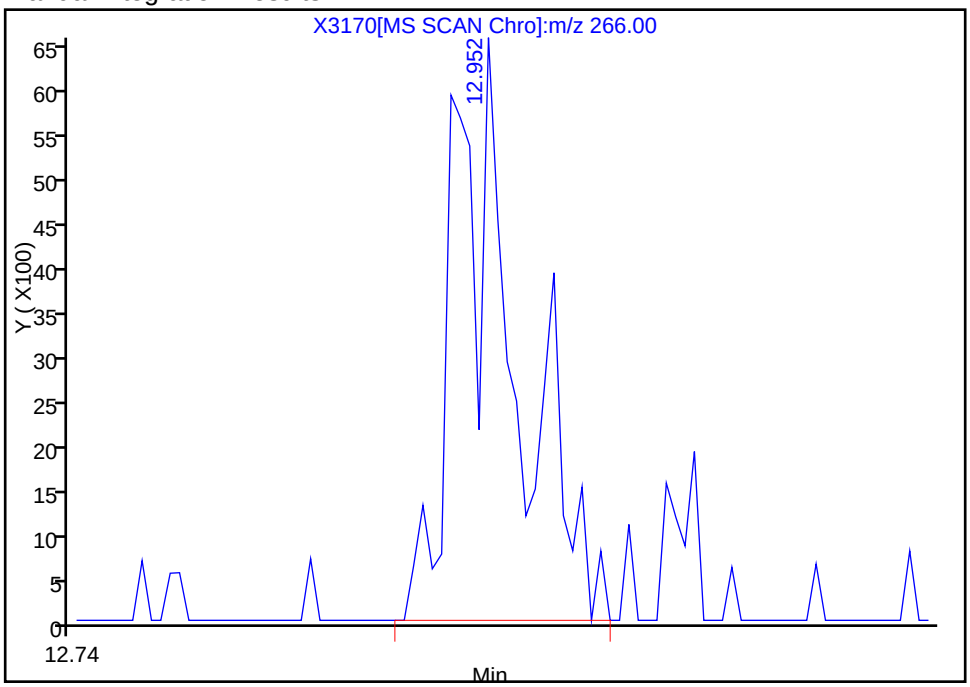
Processing Integration Results

Not Detected
Expected RT: 12.90



Manual Integration Results

RT: 12.95
Response: 14972
Amount: 1.714745



Reviewer: mckernar, 20-Dec-2012 09:32:42
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 09-Mar-2013 09:48:26 Chrom Revision: 2.0 01-Feb-2013 10:03:10

Manual Integration/User Assign Peak Report

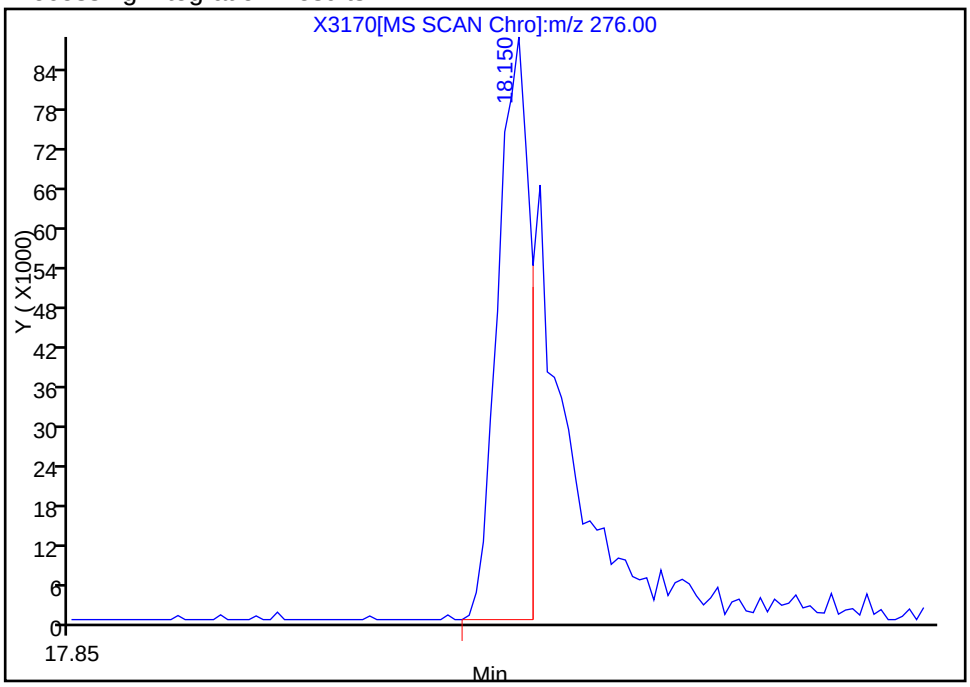
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3170.D		
Injection Date:	19-Dec-2012 17:38:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	17
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: 18.13

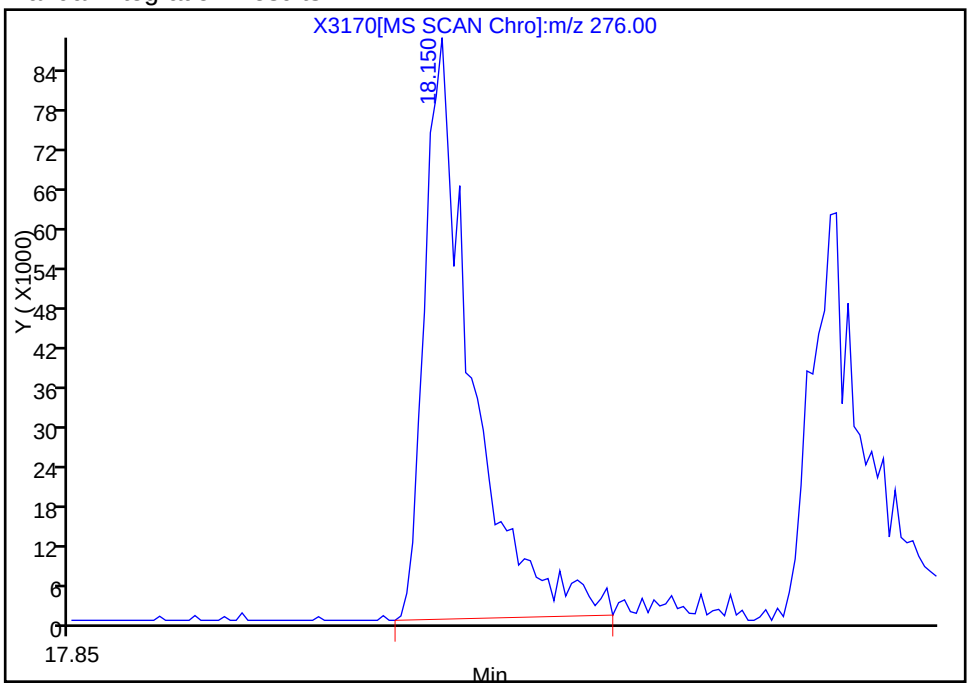
Processing Integration Results

RT: 18.15
Response: 132360
Amount: 0.919620



Manual Integration Results

RT: 18.15
Response: 235074
Amount: 1.752559



Reviewer: mckernar, 20-Dec-2012 09:32:42
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 09-Mar-2013 09:48:26 Chrom Revision: 2.0 01-Feb-2013 10:03:10

Manual Integration/User Assign Peak Report

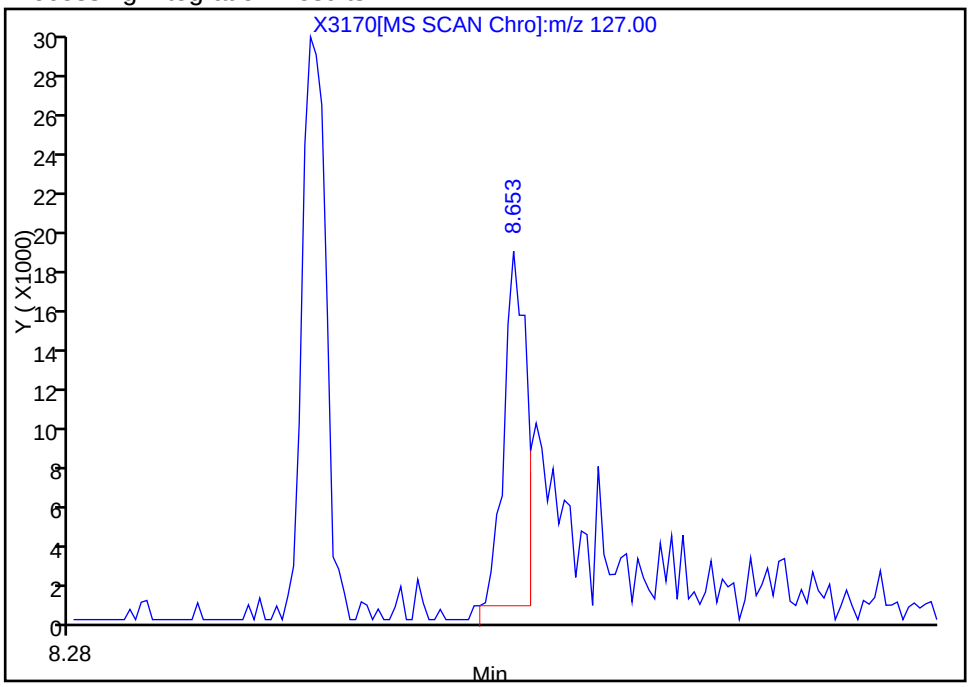
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3170.D		
Injection Date:	19-Dec-2012 17:38:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	17
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: 8.64

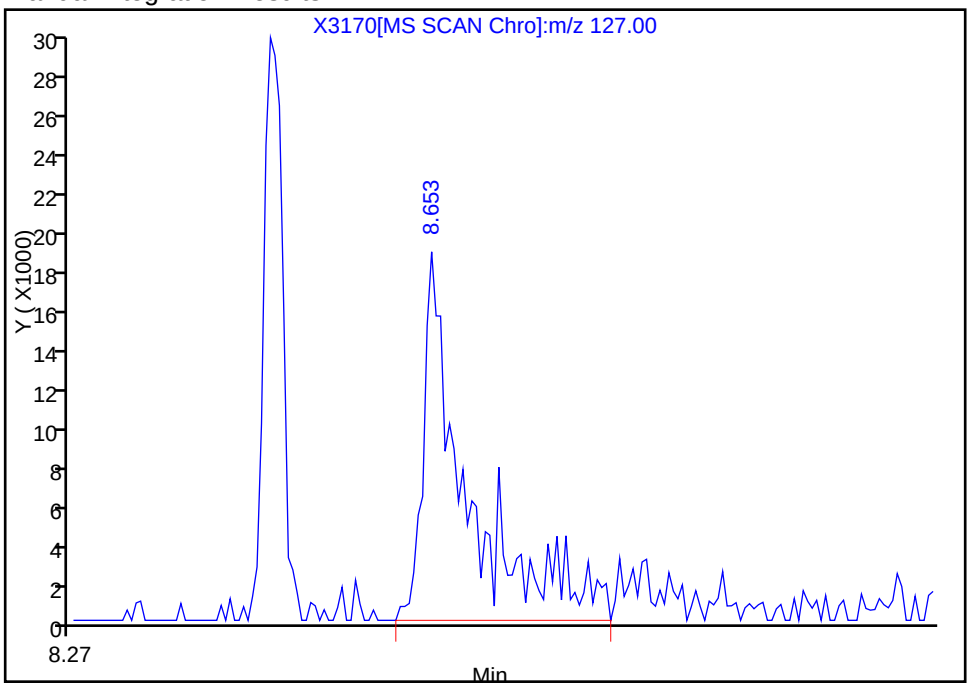
Processing Integration Results

RT: 8.65
Response: 23357
Amount: 0.255088



Manual Integration Results

RT: 8.65
Response: 60158
Amount: 0.749029



Reviewer: mckernar, 20-Dec-2012 09:32:42
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

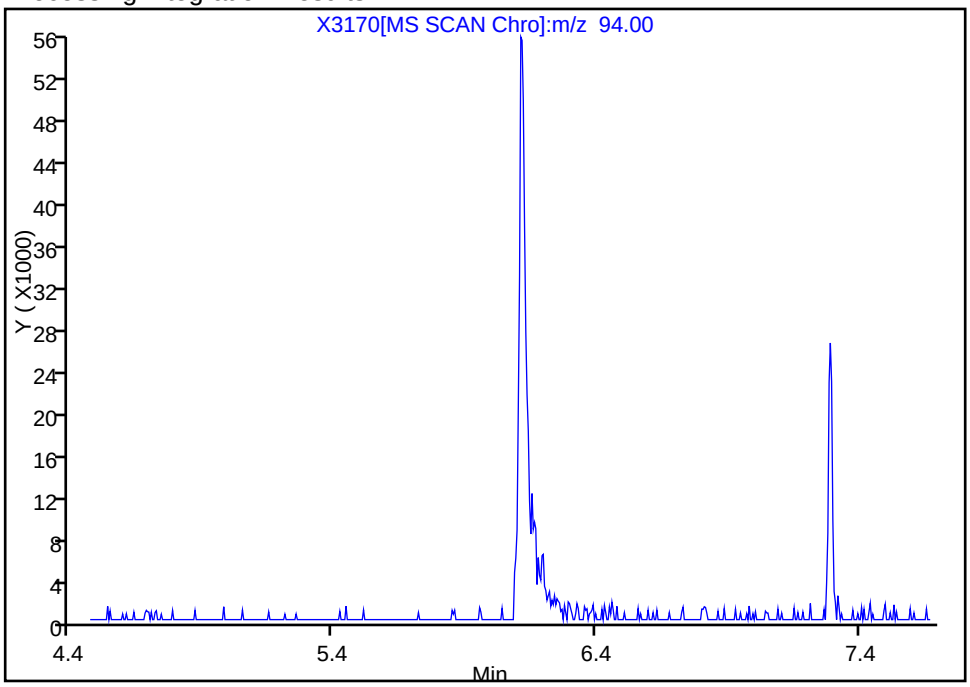
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3170.D		
Injection Date:	19-Dec-2012 17:38:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	17
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: 6.08

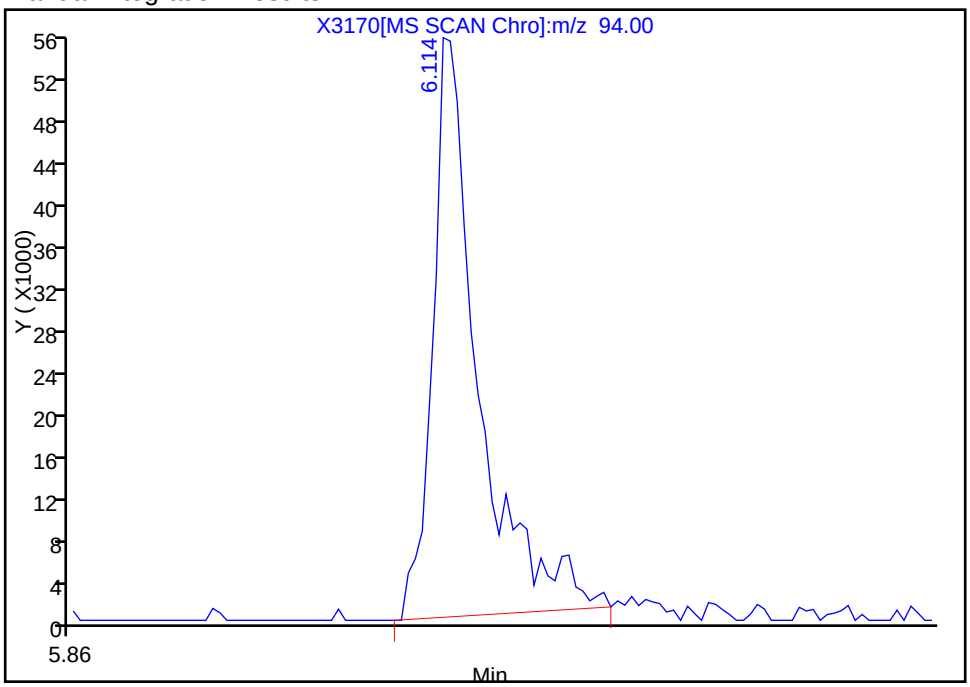
Processing Integration Results

Not Detected
Expected RT: 6.08



Manual Integration Results

RT: 6.11
Response: 118274
Amount: 1.410584



Reviewer: mckernar, 20-Dec-2012 09:32:42
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

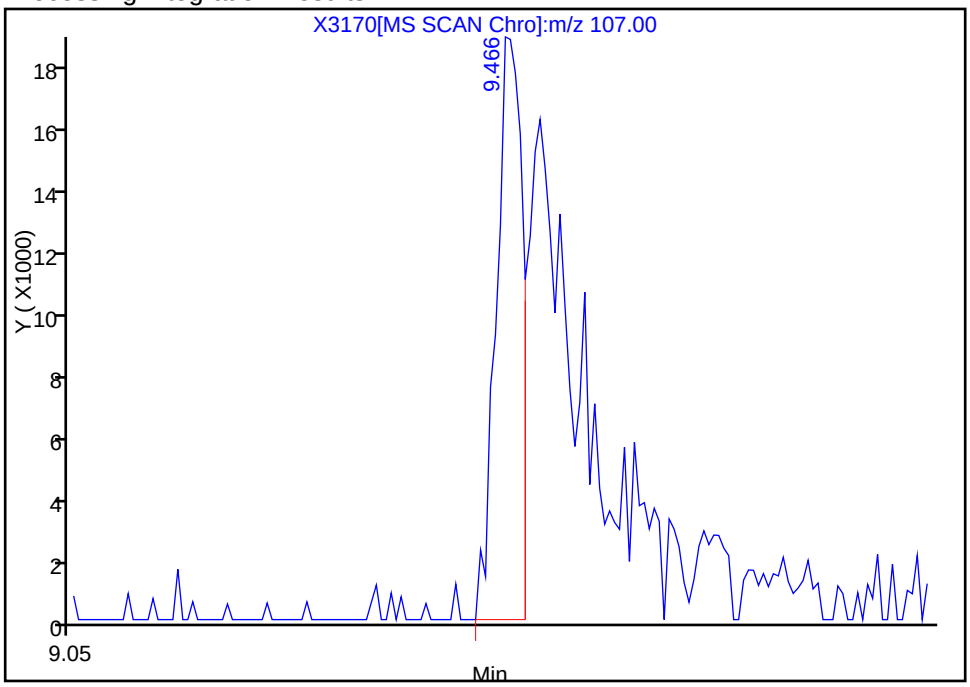
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3170.D		
Injection Date:	19-Dec-2012 17:38:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	17
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: 9.44

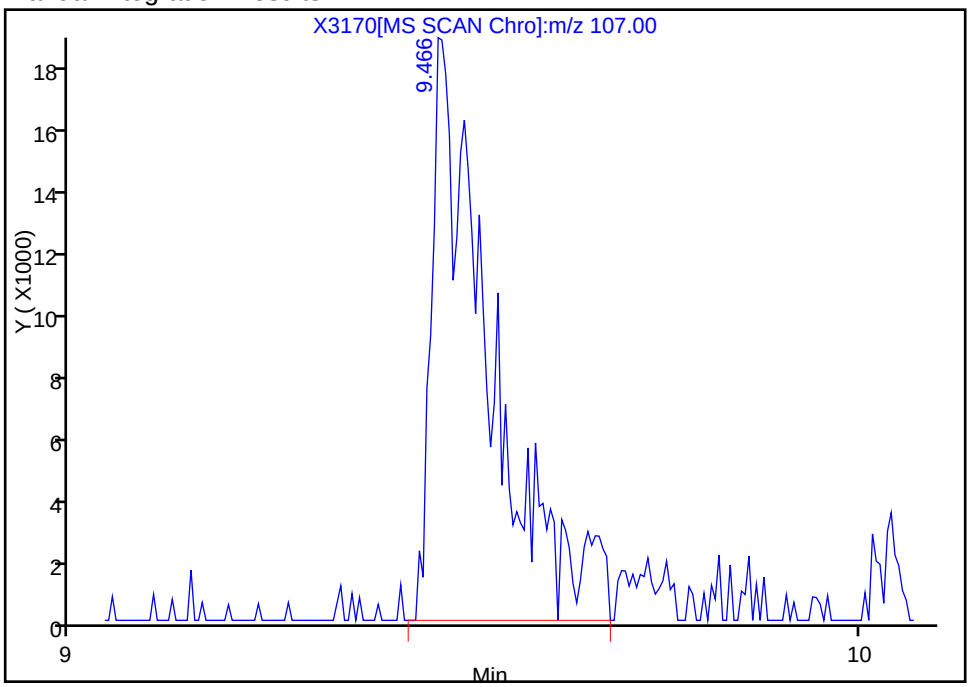
Processing Integration Results

RT: 9.47
Response: 32937
Amount: 0.493150



Manual Integration Results

RT: 9.47
Response: 96609
Amount: 1.605302



Reviewer: mckernar, 20-Dec-2012 09:32:42
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 09-Mar-2013 09:48:26 Chrom Revision: 2.0 01-Feb-2013 10:03:10

Manual Integration/User Assign Peak Report

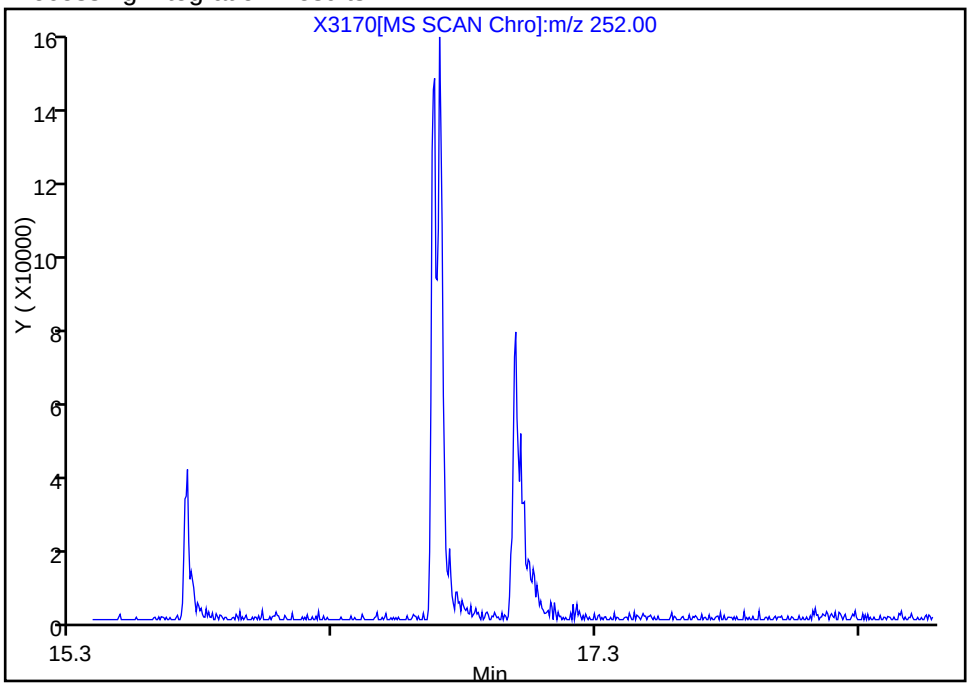
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3170.D		
Injection Date:	19-Dec-2012 17:38:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	17
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: 16.98

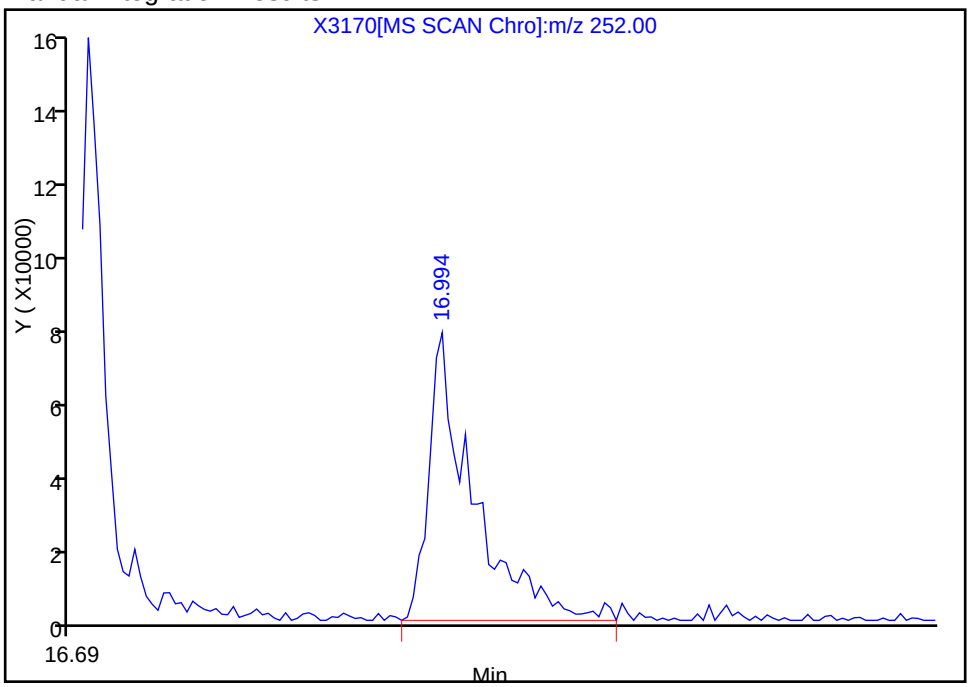
Processing Integration Results

Not Detected
Expected RT: 16.98



Manual Integration Results

RT: 16.99
Response: 196736
Amount: 1.565392



Reviewer: mckernar, 20-Dec-2012 09:32:42
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

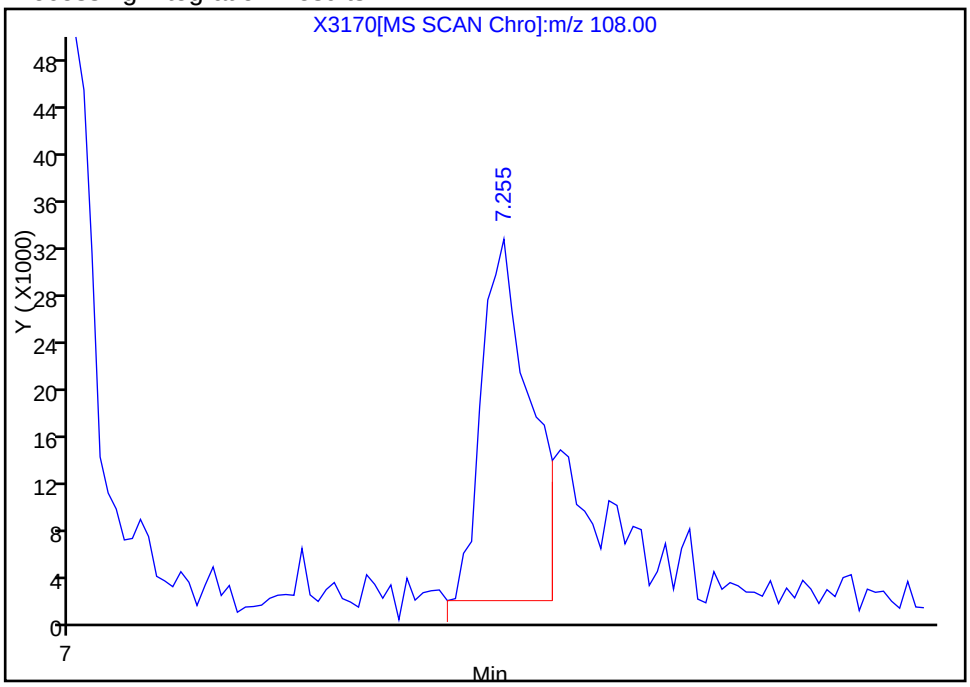
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3170.D		
Injection Date:	19-Dec-2012 17:38:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	17
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: 7.25

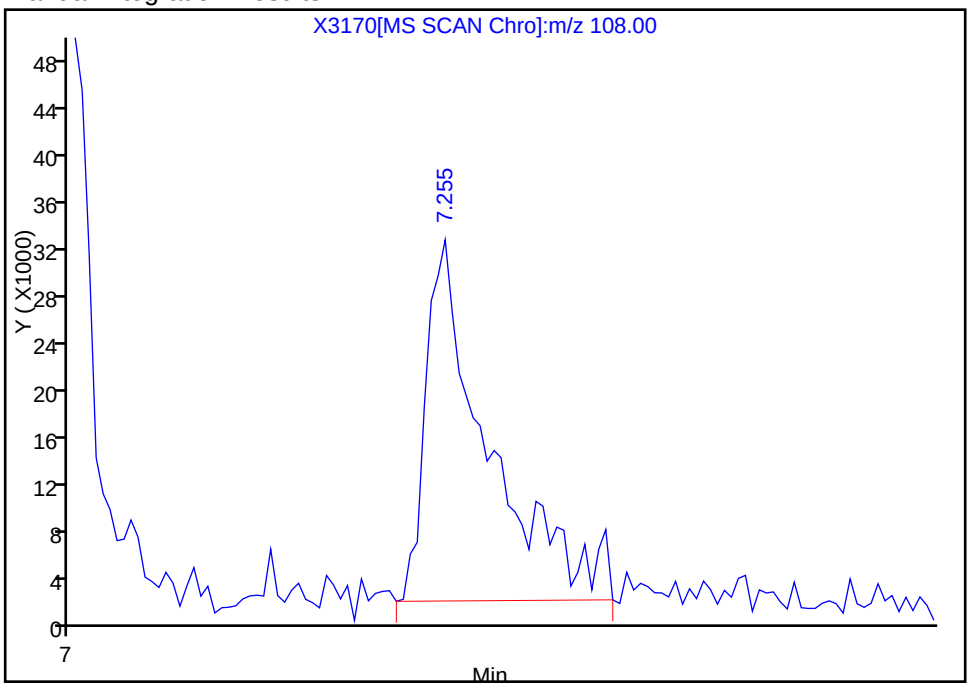
Processing Integration Results

RT: 7.25
Response: 60547
Amount: 0.998163



Manual Integration Results

RT: 7.25
Response: 89938
Amount: 1.484198



Reviewer: mckernar, 20-Dec-2012 09:32:42
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

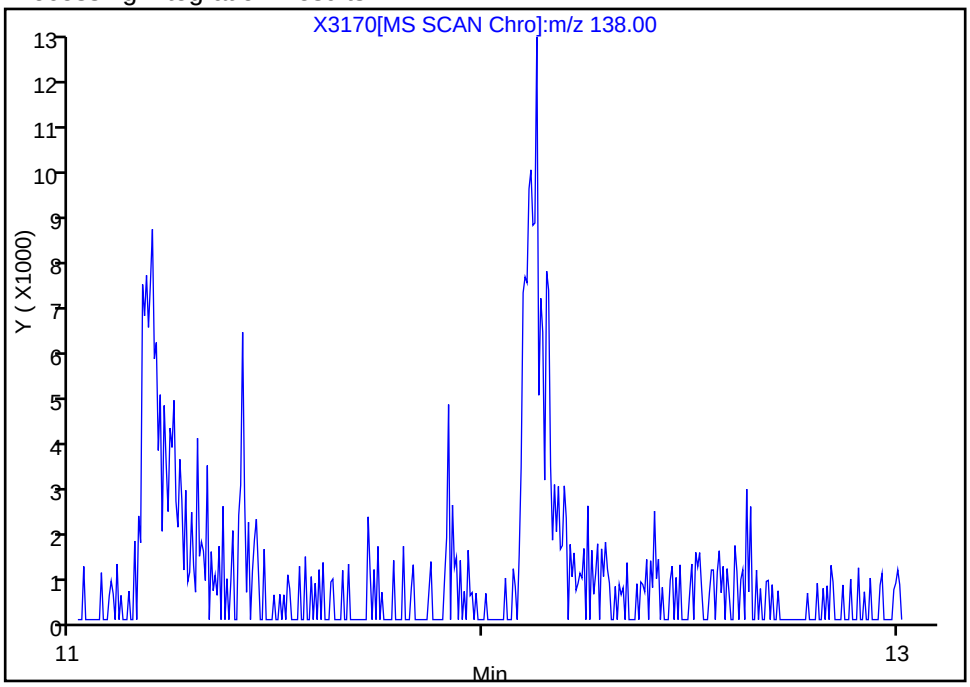
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3170.D		
Injection Date:	19-Dec-2012 17:38:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	17
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: 12.01

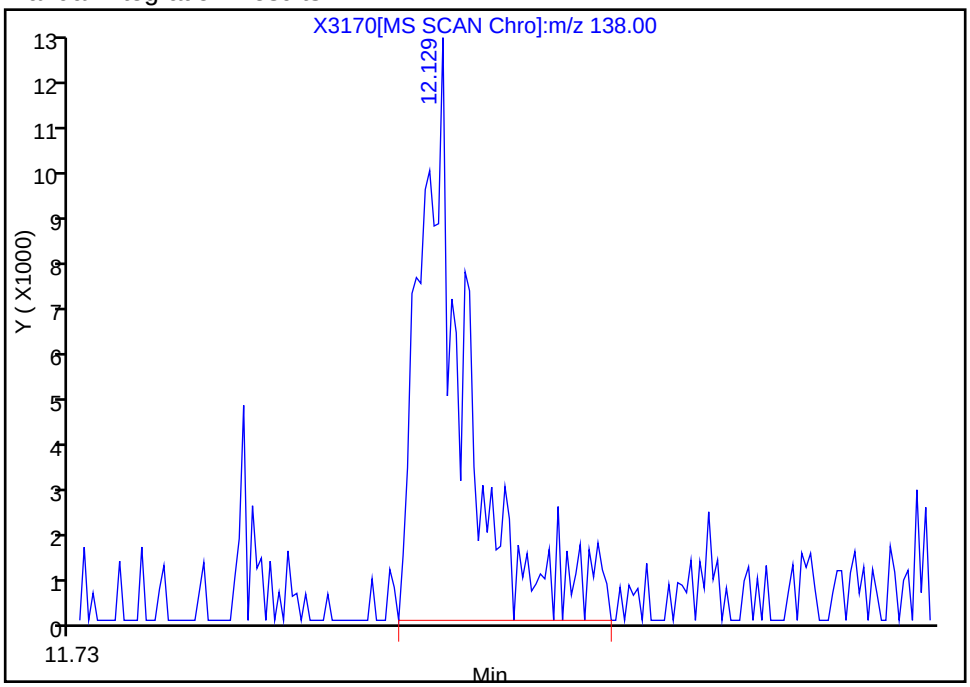
Processing Integration Results

Not Detected
Expected RT: 12.01



Manual Integration Results

RT: 12.13
Response: 42553
Amount: 1.474000



Reviewer: mckernar, 20-Dec-2012 09:32:42
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

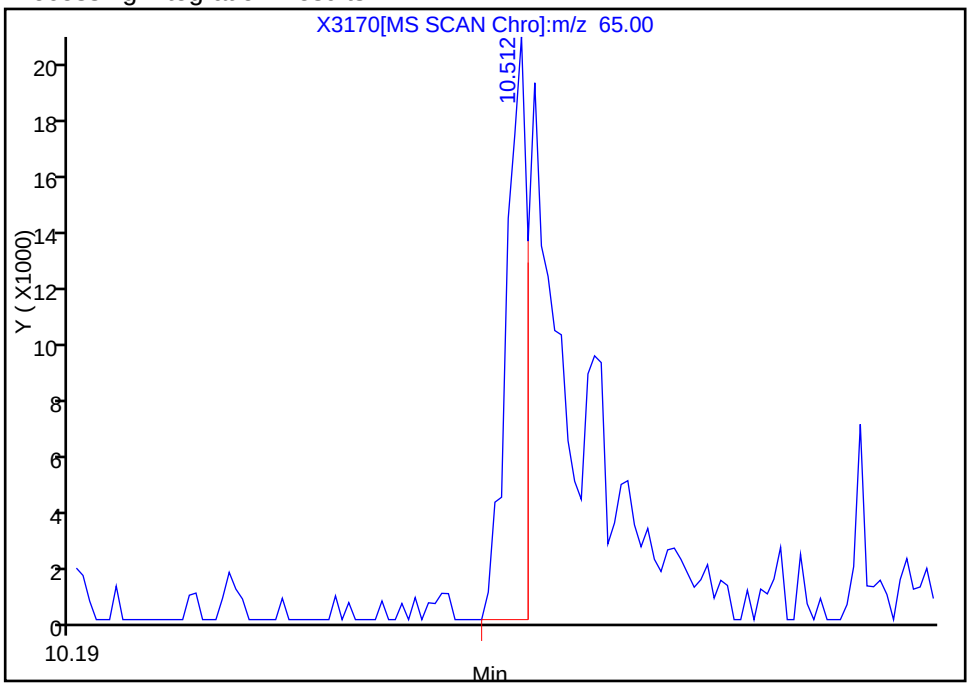
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3170.D		
Injection Date:	19-Dec-2012 17:38:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	17
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: 10.48

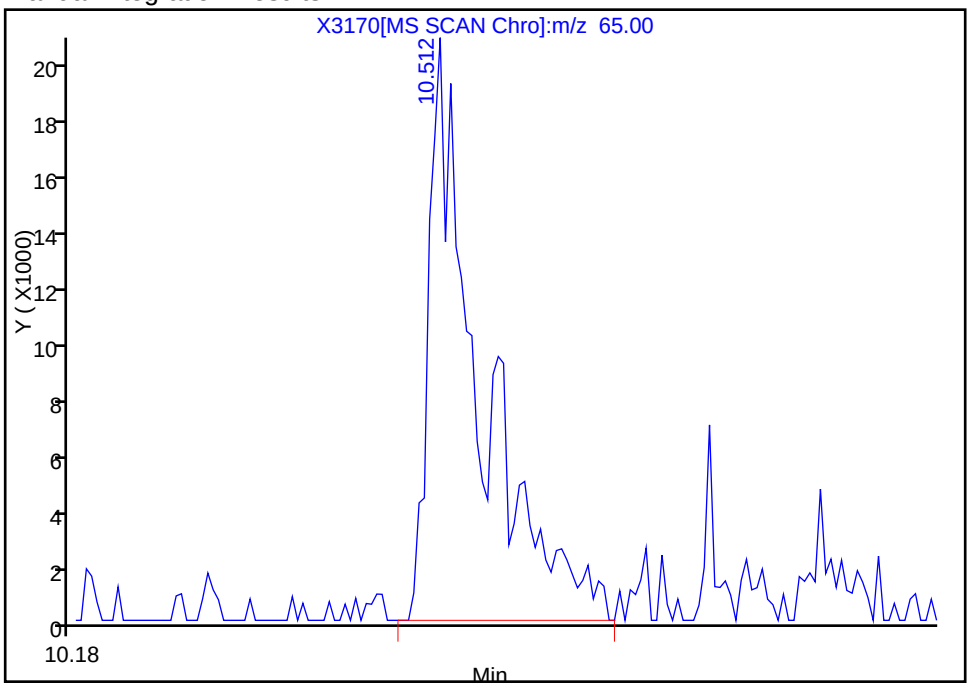
Processing Integration Results

RT: 10.51
Response: 21395
Amount: 0.475155



Manual Integration Results

RT: 10.51
Response: 65022
Amount: 1.660681



Reviewer: mckernar, 20-Dec-2012 09:32:42
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 09-Mar-2013 09:48:26 Chrom Revision: 2.0 01-Feb-2013 10:03:10

Manual Integration/User Assign Peak Report

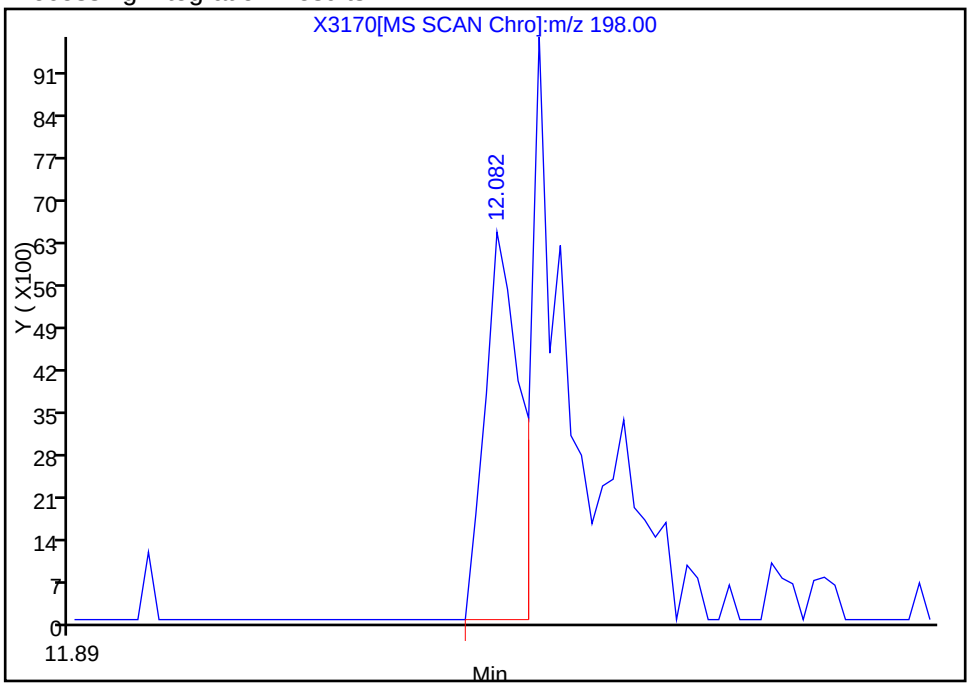
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3170.D		
Injection Date:	19-Dec-2012 17:38:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	17
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: 12.04

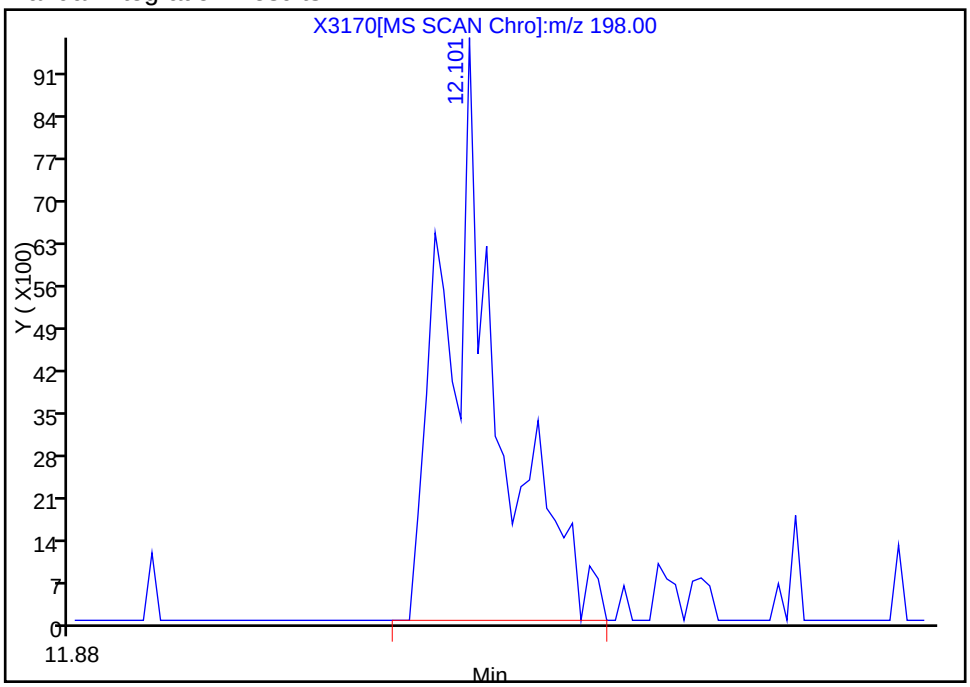
Processing Integration Results

RT: 12.08
Response: 7007
Amount: 0.258667



Manual Integration Results

RT: 12.10
Response: 19378
Amount: 1.698861



Reviewer: mckernar, 20-Dec-2012 09:32:42
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

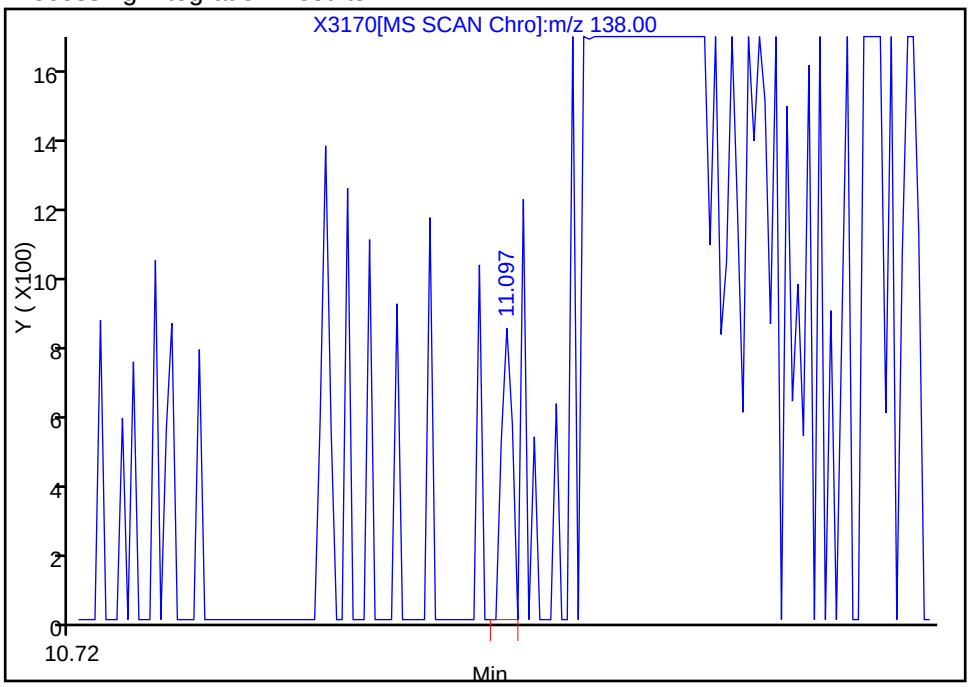
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3170.D		
Injection Date:	19-Dec-2012 17:38:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	17
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: 11.11

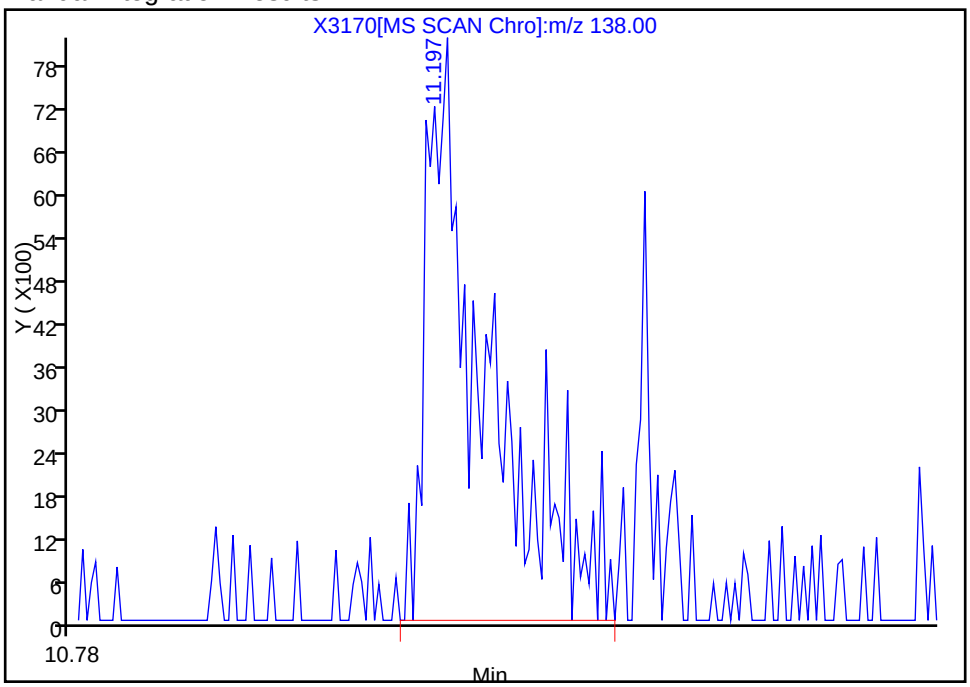
Processing Integration Results

RT: 11.10
Response: 528
Amount: 0.015609



Manual Integration Results

RT: 11.20
Response: 37470
Amount: 1.087825



Reviewer: mckernar, 20-Dec-2012 09:32:42
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 09-Mar-2013 09:48:26 Chrom Revision: 2.0 01-Feb-2013 10:03:10

Manual Integration/User Assign Peak Report

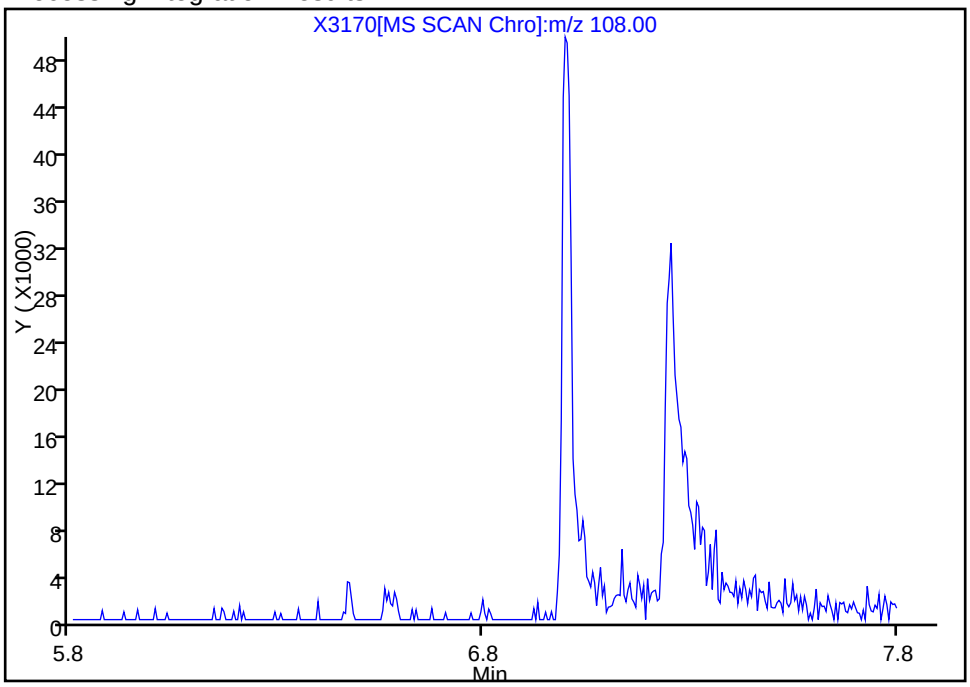
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3170.D		
Injection Date:	19-Dec-2012 17:38:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	17
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: 6.80

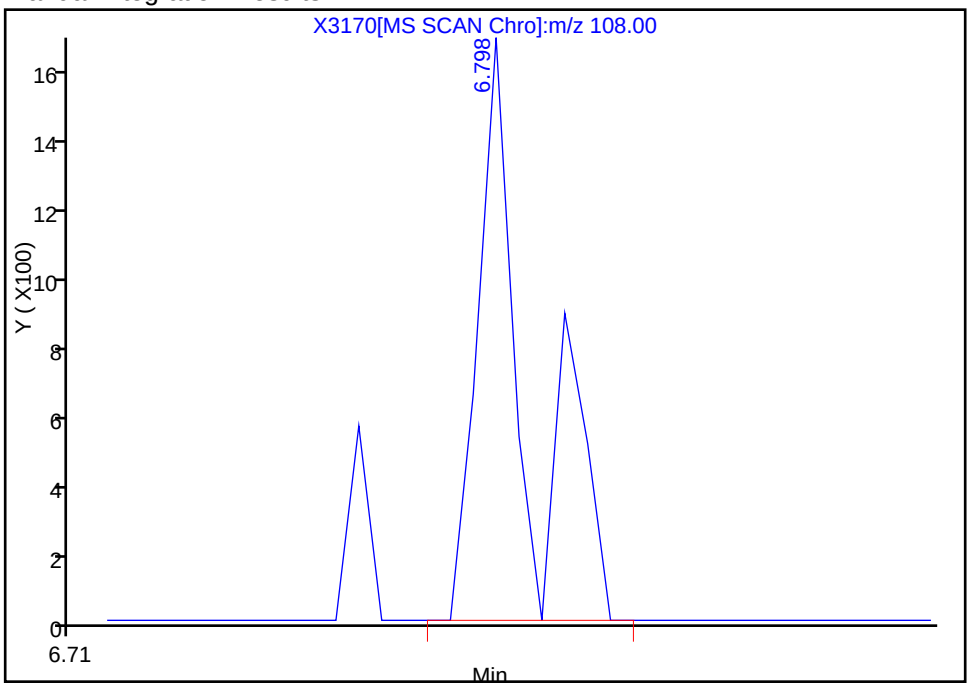
Processing Integration Results

Not Detected
Expected RT: 6.80



Manual Integration Results

RT: 6.80
Response: 1226
Amount: 0.060697



Reviewer: mckernar, 20-Dec-2012 09:32:42
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

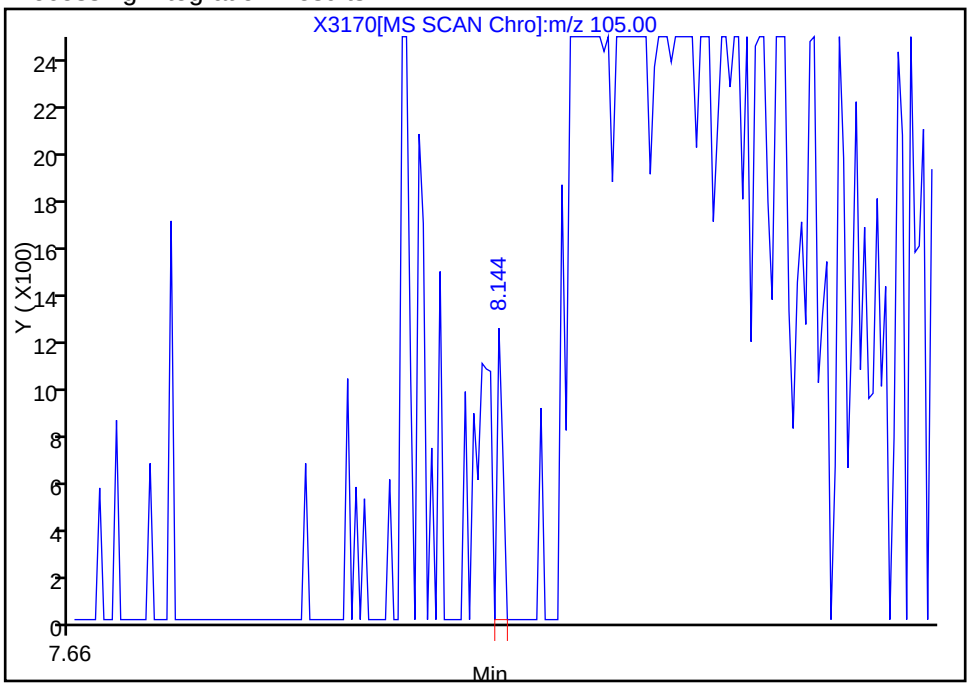
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3170.D		
Injection Date:	19-Dec-2012 17:38:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	17
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

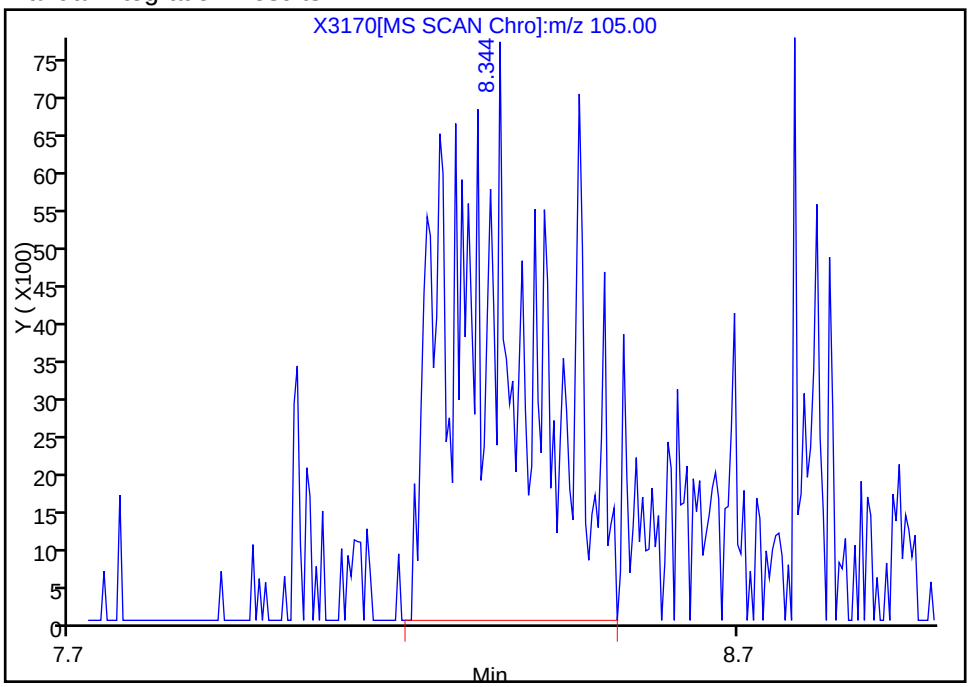
Processing Integration Results

RT: 8.14
Response: 530
Amount: 0.011502



Manual Integration Results

RT: 8.34
Response: 60816
Amount: 2.154169



Reviewer: mckernar, 20-Dec-2012 09:32:42
Audit Action: Manually Integrated
Audit Reason: Assign Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo
Job No.: 480-30197-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCSD 480-96302/3-A
Matrix: Solid
Lab File ID: X3171.D
Analysis Method: 8270D
Date Collected:
Extract. Method: 3546
Date Extracted: 12/18/2012 08:12
Sample wt/vol: 000030.2(g)
Date Analyzed: 12/19/2012 18:04
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.: 96568
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
117-81-7	Bis(2-ethylhexyl) phthalate	ND		170	67
95-95-4	2,4,5-Trichlorophenol	62.7		33	11
62-53-3	Aniline	43.4		33	9.9
67-72-1	Hexachloroethane	53.3		33	9.9
131-11-3	Dimethyl phthalate	53.9		33	9.9
105-67-9	2,4-Dimethylphenol	65.6		33	9.9
78-59-1	Isophorone	59.3		33	9.9
86-73-7	Fluorene	55.0		33	9.9
132-64-9	Dibenzofuran	58.2		33	9.9
208-96-8	Acenaphthylene	61.9		33	9.9
120-83-2	2,4-Dichlorophenol	56.0		33	9.9
191-24-2	Benzo[g,h,i]perylene	67.3		33	9.9
118-74-1	Hexachlorobenzene	67.7		33	9.9
117-84-0	Di-n-octyl phthalate	57.6		33	9.9
87-68-3	Hexachlorobutadiene	61.3		33	9.9
85-01-8	Phenanthrene	56.2		33	9.9
88-75-5	2-Nitrophenol	50.8		33	13
207-08-9	Benzo[k]fluoranthene	59.8		33	17
51-28-5	2,4-Dinitrophenol	ND		33	27
120-12-7	Anthracene	57.2		33	9.9
91-57-6	2-Methylnaphthalene	60.1		33	9.9
84-74-2	Di-n-butyl phthalate	60.7	J	170	50
120-82-1	1,2,4-Trichlorobenzene	53.3		33	9.9
129-00-0	Pyrene	70.6		33	9.9
121-14-2	2,4-Dinitrotoluene	42.0		33	9.9
53-70-3	Dibenz(a,h)anthracene	64.0		33	9.9
541-73-1	1,3-Dichlorobenzene	51.6		33	9.9
98-95-3	Nitrobenzene	50.1		33	9.9
91-20-3	Naphthalene	54.4		33	9.9
88-06-2	2,4,6-Trichlorophenol	54.9		33	14
87-86-5	Pentachlorophenol	60.2		33	9.9
206-44-0	Fluoranthene	50.6		33	9.9
91-94-1	3,3'-Dichlorobenzidine	38.1	J	66	12
101-55-3	4-Bromophenyl phenyl ether	61.2		33	9.9

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo
Job No.: 480-30197-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCSD 480-96302/3-A
Matrix: Solid
Lab File ID: X3171.D
Analysis Method: 8270D
Date Collected:
Extract. Method: 3546
Date Extracted: 12/18/2012 08:12
Sample wt/vol: 000030.2(g)
Date Analyzed: 12/19/2012 18:04
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.: 96568
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
84-66-2	Diethyl phthalate	54.6		33	11
95-48-7	2-Methylphenol	51.2		33	9.9
95-50-1	1,2-Dichlorobenzene	52.7		33	9.9
108-60-1	2,2'-oxybis[1-chloropropane]	53.5		33	9.9
111-44-4	Bis(2-chloroethyl)ether	58.7		33	9.9
56-55-3	Benzo[a]anthracene	54.1		33	9.9
193-39-5	Indeno[1,2,3-cd]pyrene	67.0		33	9.9
85-68-7	Butyl benzyl phthalate	63.7		33	9.9
218-01-9	Chrysene	67.3		33	9.9
83-32-9	Acenaphthene	51.6		33	9.9
205-99-2	Benzo[b]fluoranthene	60.1		33	9.9
100-02-7	4-Nitrophenol	ND		170	14
106-47-8	4-Chloroaniline	34.4	J	66	30
95-57-8	2-Chlorophenol	58.6		33	9.9
606-20-2	2,6-Dinitrotoluene	ND		33	28
108-95-2	Phenol	56.6		33	9.9
106-46-7	1,4-Dichlorobenzene	51.9		33	9.9
111-91-1	Bis(2-chloroethoxy)methane	53.8		33	9.9
91-58-7	2-Chloronaphthalene	37.8		33	9.9
621-64-7	N-Nitrosodi-n-propylamine	48.2		33	9.9
7005-72-3	4-Chlorophenyl phenyl ether	54.6		33	9.9
59-50-7	4-Chloro-3-methylphenol	61.1	J	66	9.9
50-32-8	Benzo[a]pyrene	56.2		33	9.9
106-44-5	4-Methylphenol	72.8		33	9.9
100-01-6	4-Nitroaniline	57.4	J	170	28
88-74-4	2-Nitroaniline	55.7	J	170	42
534-52-1	4,6-Dinitro-2-methylphenol	59.1	J	170	32
86-30-6	N-Nitrosodiphenylamine	25.6	J	33	9.9
103-33-3	Azobenzene	66.0		33	9.9
77-47-4	Hexachlorocyclopentadiene	44.6	J	66	9.9
99-09-2	3-Nitroaniline	39.1	J	170	9.9
62-75-9	N-Nitrosodimethylamine	44.1		33	9.9
100-51-6	Benzyl alcohol	ND		66	9.9
65-85-0	Benzoic acid	76.1	J	170	15

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo
Job No.: 480-30197-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCSD 480-96302/3-A
Matrix: Solid
Lab File ID: X3171.D
Analysis Method: 8270D
Date Collected:
Extract. Method: 3546
Date Extracted: 12/18/2012 08:12
Sample wt/vol: 000030.2(g)
Date Analyzed: 12/19/2012 18:04
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.: 96568
Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	85		30-130
367-12-4	2-Fluorophenol	75		30-130
4165-60-0	Nitrobenzene-d5	80		30-130
4165-62-2	Phenol-d5	76		30-130
321-60-8	2-Fluorobiphenyl	87		30-130
1718-51-0	p-Terphenyl-d14	107		30-130

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3171.D
Lims ID: LCSD 480-96302/3-A Client ID:
Inject. Date: 19-Dec-2012 18:04:30 Dil. Factor: 1.0000
Sample Type: LCSD
Sample ID: 480-0017692-018
Misc. Info.:
Operator: ANM Instrument ID: HP5973X
Injection Vol: 1.0 ul ALS Bottle#: 19
Lims Batch ID: 96568 Lims Sample ID: 18
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973X\20121219-17692.b\X-8270LL.m
Last Update: 09-Mar-2013 09:48:24 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 09:37:24

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.560	6.546	0.014	85	265437	5.00	
* 2 Naphthalene-d8	136	8.448	8.482	-0.034	97	991521	5.00	
* 3 Acenaphthene-d10	164	11.088	11.107	-0.019	89	607829	5.00	
* 4 Phenanthrene-d10	188	13.104	13.104	0.0	96	972265	5.00	
* 5 Chrysene-d12	240	15.748	15.753	-0.005	97	583689	5.00	
* 6 Perylene-d12	264	17.032	17.037	-0.005	96	494097	5.00	
$ 7 2-Fluorophenol	112	4.691	4.620	0.071	56	90785	1.51	
$ 8 Phenol-d5	99	6.104	6.056	0.048	83	111783	1.52	
$ 9 Nitrobenzene-d5	82	7.393	7.407	-0.014	73	119206	1.60	
$ 10 2-Fluorobiphenyl	172	10.103	10.122	-0.019	91	264770	1.74	
$ 11 2,4,6-Tribromophenol	330	12.286	12.257	0.029	0	30393	1.70	M
$ 12 p-Terphenyl-d14	244	14.783	14.778	0.005	97	240901	2.14	
19 N-Nitrosodimethylamine	42	2.832	2.718	0.114	67	64529	1.33	
23 Aniline	93	6.104	6.066	0.038	91	127478	1.31	
22 Phenol	94	6.118	6.075	0.043	0	138254	1.71	M
24 Bis(2-chloroethyl)ether	93	6.194	6.170	0.024	88	112929	1.77	
25 2-Chlorophenol	128	6.270	6.237	0.033	95	121732	1.77	
26 1,3-Dichlorobenzene	146	6.470	6.456	0.014	97	132837	1.56	
27 1,4-Dichlorobenzene	146	6.584	6.575	0.009	66	133521	1.57	
29 1,2-Dichlorobenzene	146	6.803	6.798	0.005	81	126378	1.59	
28 Benzyl alcohol	108		6.803					
31 2-Methylphenol	108	6.998	6.988	0.010	54	89202	1.55	
32 2,2'-oxybis[1-chloropropane]	45	6.998	6.998	0.0	73	167338	1.62	
34 N-Nitrosodi-n-propylamine	70	7.183	7.193	-0.010	45	71897	1.45	
36 4-Methylphenol	108	7.245	7.245	0.0	76	128503	2.20	M
37 Hexachloroethane	117	7.288	7.302	-0.014	90	56041	1.61	
38 Nitrobenzene	77	7.426	7.435	-0.009	84	116680	1.51	
40 Isophorone	82	7.783	7.806	-0.023	71	227232	1.79	
41 2-Nitrophenol	139	7.906	7.925	-0.019	88	53923	1.54	
43 2,4-Dimethylphenol	107	8.039	8.039	0.0	81	131129	1.98	M

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
45 Bis(2-chloroethoxy)methane	93	8.139	8.163	-0.024	93	122126	1.62	
44 Benzoic acid	105	8.282	8.220	0.062	33	64536	2.30	M
47 2,4-Dichlorophenol	162	8.334	8.315	0.019	0	91232	1.69	M
48 1,2,4-Trichlorobenzene	180	8.372	8.405	-0.033	91	106721	1.61	
49 Naphthalene	128	8.482	8.515	-0.033	84	360691	1.64	
51 4-Chloroaniline	127	8.639	8.643	-0.004	75	82564	1.04	M
52 Hexachlorobutadiene	225	8.677	8.715	-0.038	73	67066	1.85	
55 4-Chloro-3-methylphenol	107	9.480	9.442	0.038	66	109956	1.85	M
56 2-Methylnaphthalene	142	9.542	9.566	-0.024	80	279456	1.82	
58 Hexachlorocyclopentadiene	237	9.770	9.794	-0.024	57	26604	1.35	
60 2,4,6-Trichlorophenol	196	10.018	10.018	0.0	79	58184	1.66	M
61 2,4,5-Trichlorophenol	196	10.189	10.103	0.086	76	64333	1.89	M
63 2-Chloronaphthalene	162	10.275	10.312	-0.037	93	219695	1.14	
65 2-Nitroaniline	65	10.503	10.484	0.019	72	67724	1.68	M
67 Dimethyl phthalate	163	10.755	10.764	-0.009	93	255815	1.63	
68 2,6-Dinitrotoluene	165	10.850	10.850	0.0	86	47640	0.6681	
69 Acenaphthylene	152	10.878	10.893	-0.015	85	397426	1.87	
70 3-Nitroaniline	138	11.183	11.111	0.072	90	41792	1.18	M
71 Acenaphthene	153	11.140	11.154	-0.014	87	230790	1.56	
72 2,4-Dinitrophenol	184		11.283					39
73 Dibenzofuran	168	11.416	11.416	0.0	99	317157	1.76	
74 2,4-Dinitrotoluene	165	11.487	11.459	0.028	74	57779	1.27	M
75 4-Nitrophenol	109		11.487					
78 Diethyl phthalate	149	11.806	11.810	-0.004	91	283762	1.65	
79 Fluorene	166	11.915	11.915	0.0	89	274498	1.66	
80 4-Chlorophenyl phenyl ether	204	11.929	11.934	-0.005	89	120562	1.65	
81 4-Nitroaniline	138	12.096	12.015	0.081	0	54439	1.73	M
82 4,6-Dinitro-2-methylphenol	198	12.096	12.043	0.053	43	22331	1.79	M
83 N-Nitrosodiphenylamine	169	12.105	12.105	0.0	92	174597	0.7722	
85 Azobenzene	77	12.148	12.148	0.0	93	290474	1.99	
89 4-Bromophenyl phenyl ether	248	12.571	12.571	0.0	84	67357	1.85	
91 Hexachlorobenzene	284	12.633	12.633	0.0	70	76543	2.04	
94 Pentachlorophenol	266	12.933	12.904	0.029	0	18394	1.82	M
97 Phenanthrene	178	13.128	13.128	0.0	90	368141	1.70	
98 Anthracene	178	13.194	13.190	0.004	93	381523	1.73	
102 Di-n-butyl phthalate	149	13.779	13.784	-0.005	96	434867	1.83	
104 Fluoranthene	202	14.412	14.407	0.005	94	327809	1.53	
105 Benzidine	184		14.573					149
106 Pyrene	202	14.631	14.631	0.001	97	333319	2.13	
108 Butyl benzyl phthalate	149	15.225	15.230	-0.005	92	166405	1.92	
109 3,3'-Dichlorobenzidine	252	15.734	15.724	0.010	1	60368	1.15	
110 Bis(2-ethylhexyl) phthalate	149	15.715	15.729	-0.014	95	234906	1.97	
111 Benzo[a]anthracene	228	15.743	15.743	0.0	43	205568	1.63	
112 Chrysene	228	15.772	15.777	-0.005	78	289831	2.03	
113 Di-n-octyl phthalate	149	16.252	16.266	-0.014	96	326738	1.74	
114 Benzo[b]fluoranthene	252	16.680	16.680	0.0	92	208396	1.82	
115 Benzo[k]fluoranthene	252	16.704	16.704	0.0	91	213460	1.81	
116 Benzo[a]pyrene	252	16.989	16.985	0.004	64	188212	1.70	M
117 Indeno[1,2,3-cd]pyrene	276	18.140	18.126	0.014	84	239635	2.02	M
118 Dibenz(a,h)anthracene	278	18.145	18.126	0.019	0	194323	1.93	M
119 Benzo[g,h,i]perylene	276	18.464	18.444	0.020	0	200801	2.03	M

QC Flag Legend

Processing Flags
1 - Missing Peaks
3 - Failed RT Window Test
4 - Failed Signal Ratio Test
9 - Failed A Reference Spectral Test

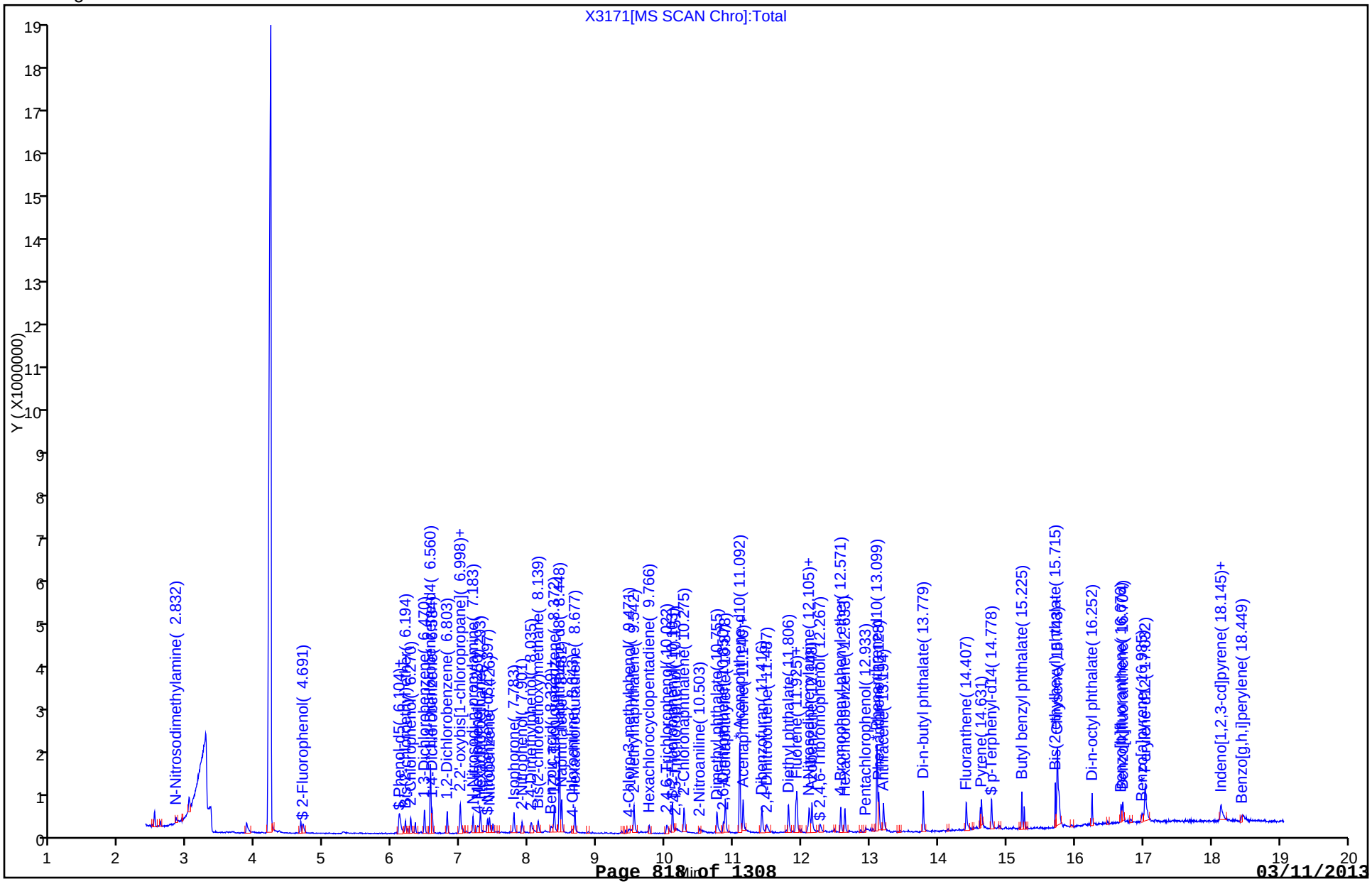
Review Flags
M - Manually Integrated

Report Date: 09-Mar-2013 09:48:27 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3171.D		
Injection Date:	19-Dec-2012 18:04:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	18
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 09:48:27 Chrom Revision: 2.0 01-Feb-2013 10:03:10

Manual Integration/User Assign Peak Report

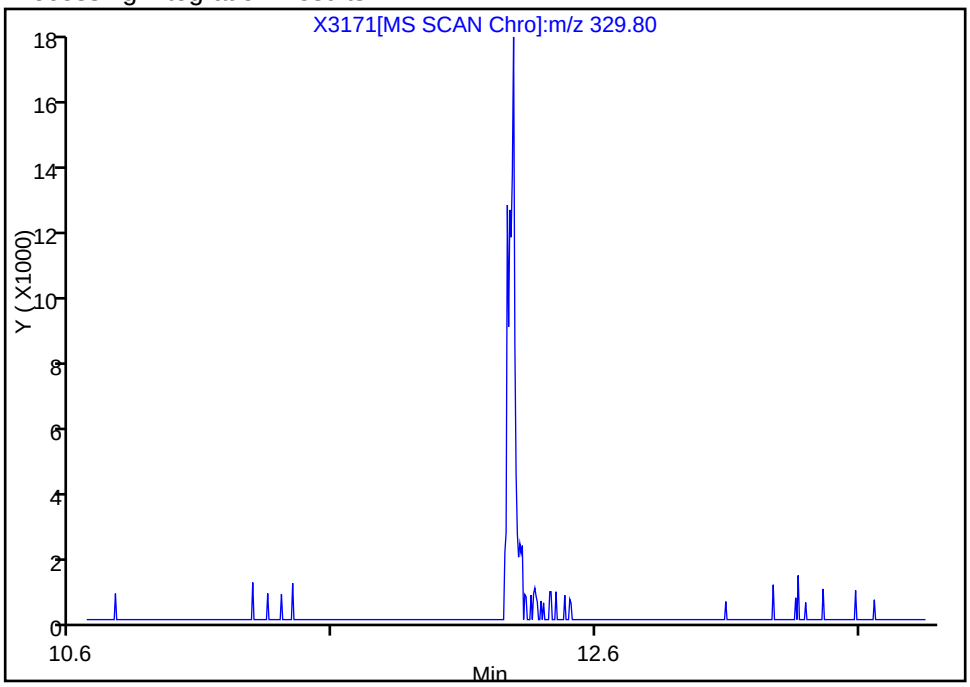
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3171.D		
Injection Date:	19-Dec-2012 18:04:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96568	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: 12.26

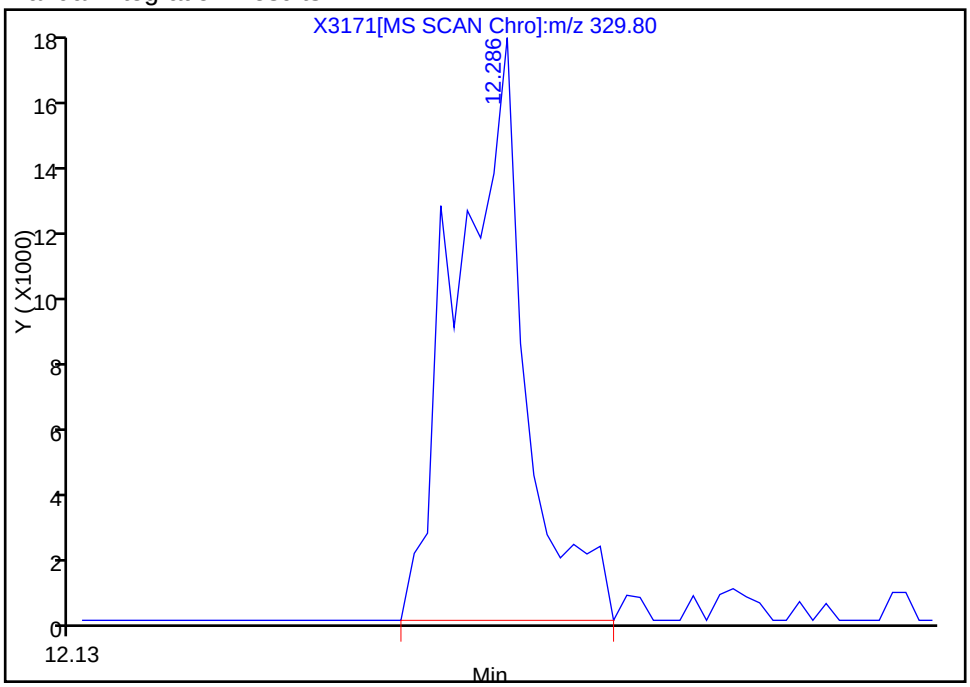
Processing Integration Results

Not Detected
Expected RT: 12.26



Manual Integration Results

RT: 12.29
Response: 30393
Amount: 1.699276



Reviewer: mckernar, 20-Dec-2012 09:37:24
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

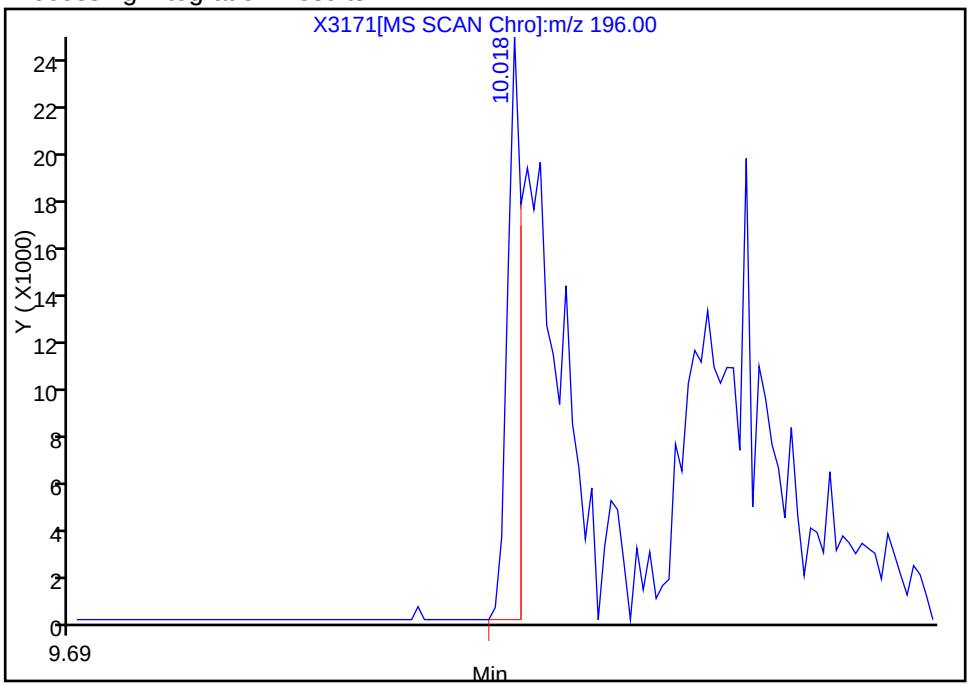
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3171.D		
Injection Date:	19-Dec-2012 18:04:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	18
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: 10.10

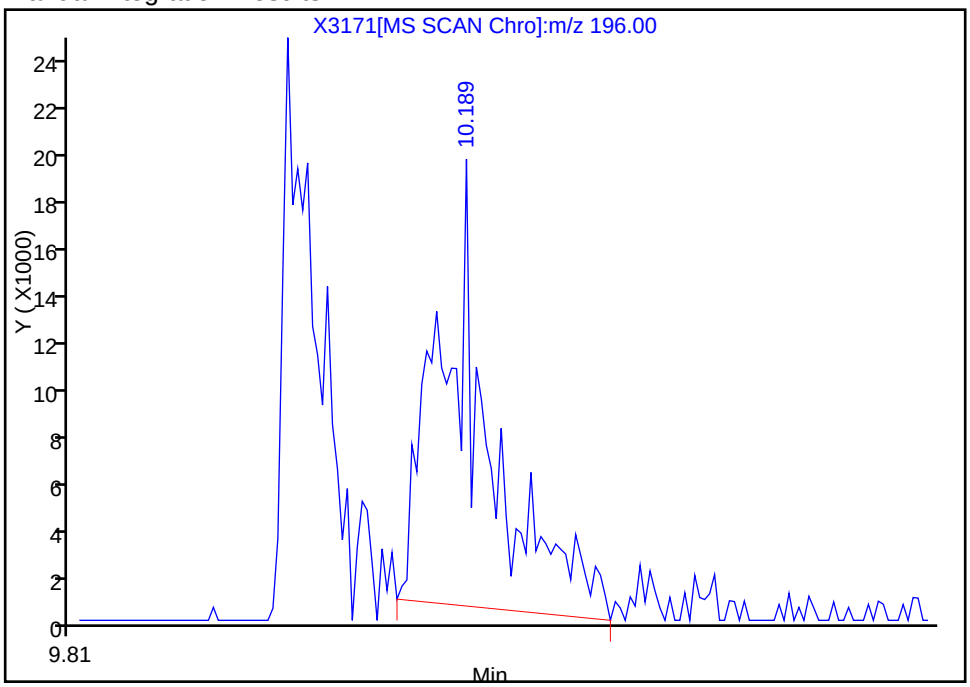
Processing Integration Results

RT: 10.02
Response: 17504
Amount: 0.465612



Manual Integration Results

RT: 10.19
Response: 64333
Amount: 1.894688



Reviewer: mckernar, 20-Dec-2012 09:37:24
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 09-Mar-2013 09:48:27 Chrom Revision: 2.0 01-Feb-2013 10:03:10

Manual Integration/User Assign Peak Report

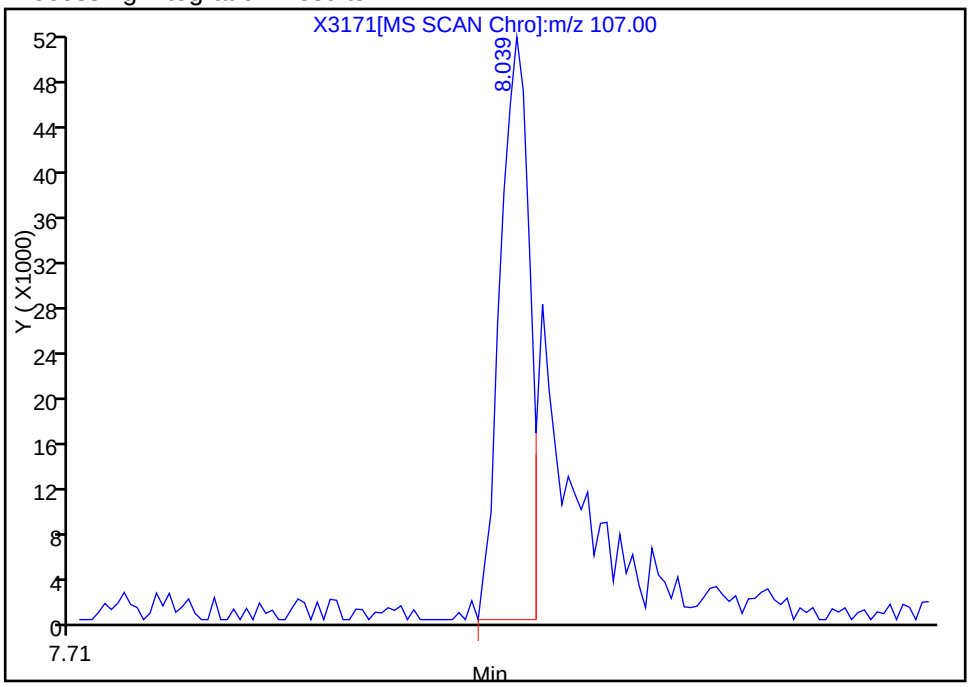
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3171.D		
Injection Date:	19-Dec-2012 18:04:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	18
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: 8.04

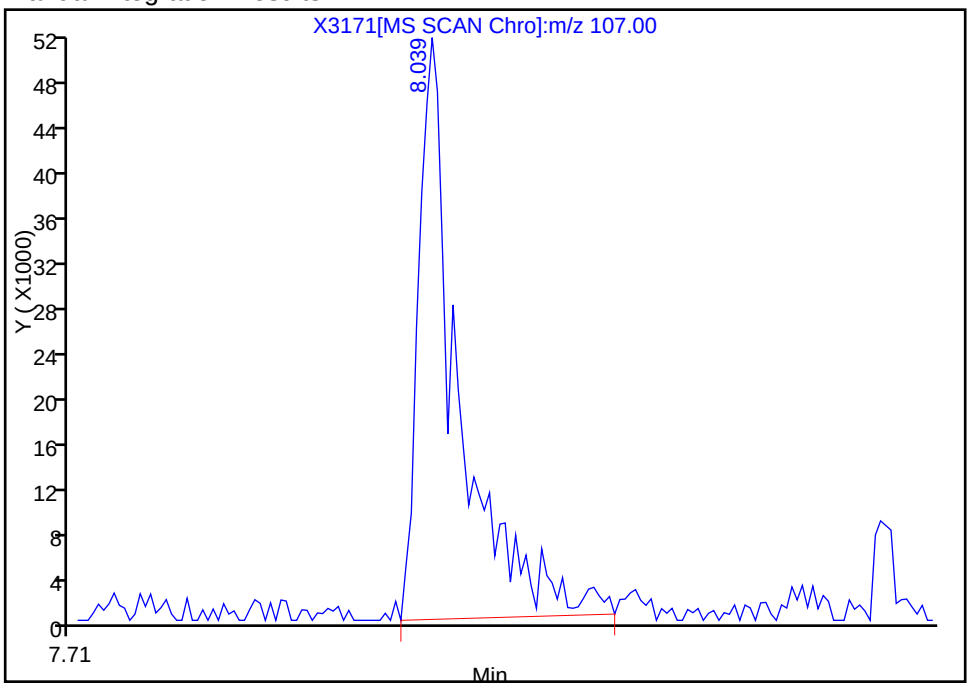
Processing Integration Results

RT: 8.04
Response: 76896
Amount: 1.142229



Manual Integration Results

RT: 8.04
Response: 131129
Amount: 1.979639



Reviewer: mckernar, 20-Dec-2012 09:37:24
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

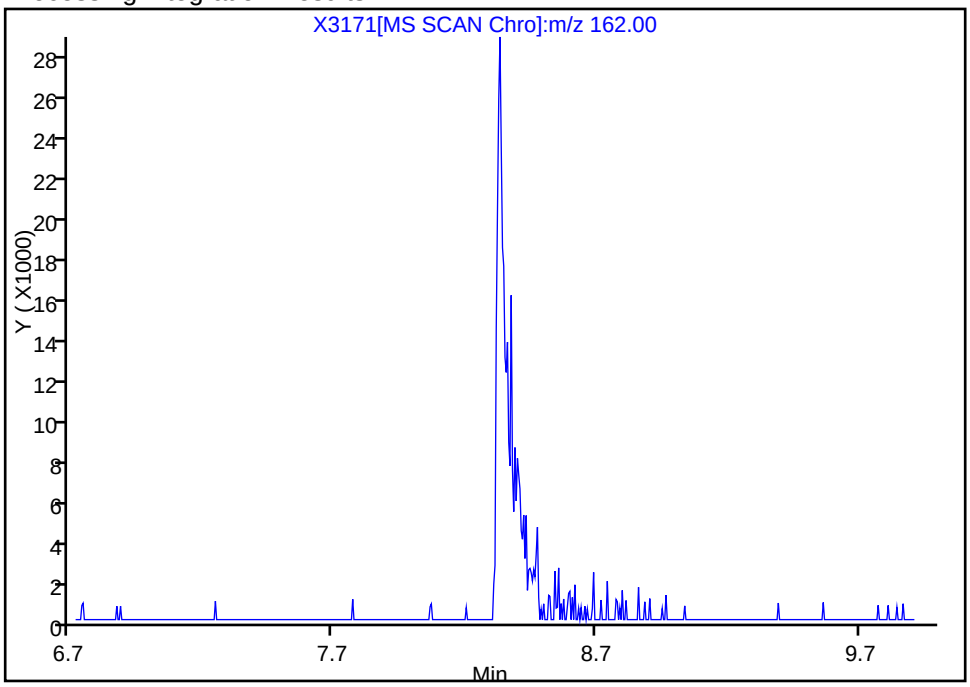
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3171.D		
Injection Date:	19-Dec-2012 18:04:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	18
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

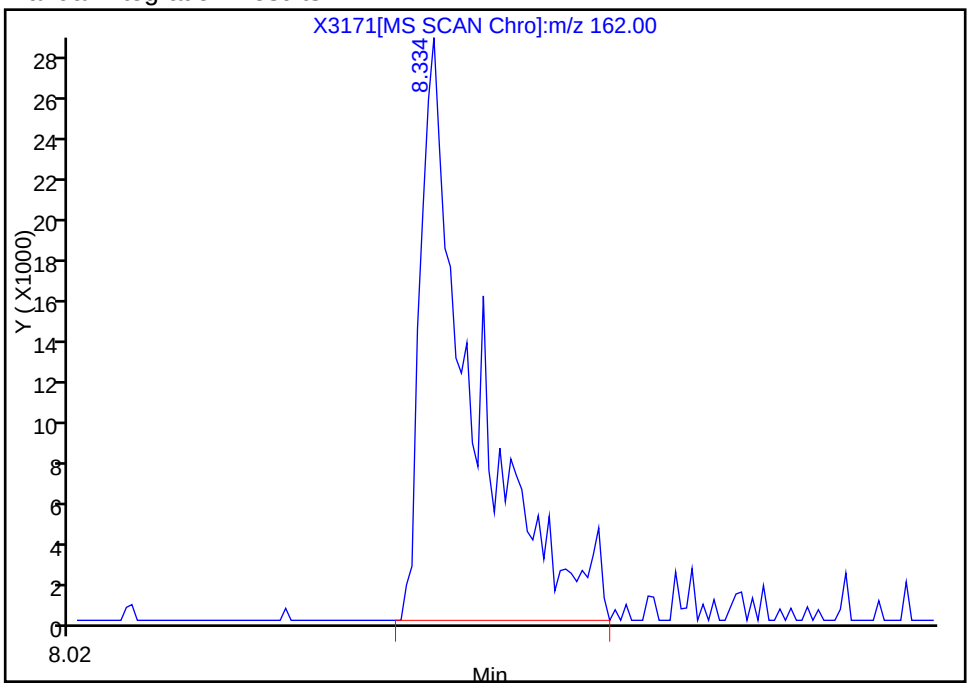
Processing Integration Results

Not Detected
Expected RT: 8.32



Manual Integration Results

RT: 8.33
Response: 91232
Amount: 1.692563



Reviewer: mckernar, 20-Dec-2012 09:37:24
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 09-Mar-2013 09:48:28 Chrom Revision: 2.0 01-Feb-2013 10:03:10

Manual Integration/User Assign Peak Report

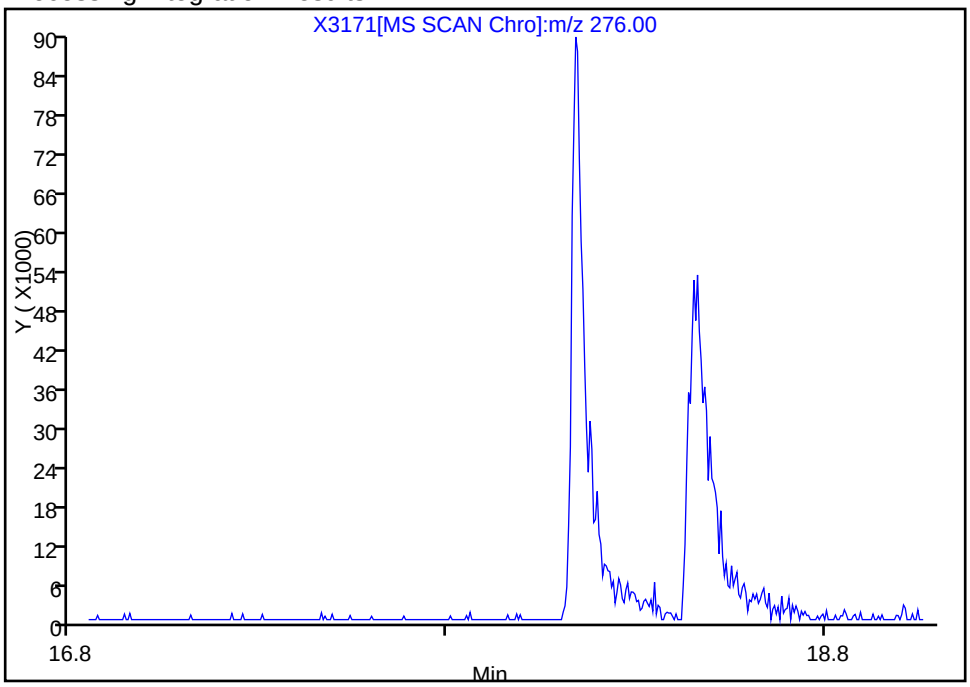
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3171.D		
Injection Date:	19-Dec-2012 18:04:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	18
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: 18.44

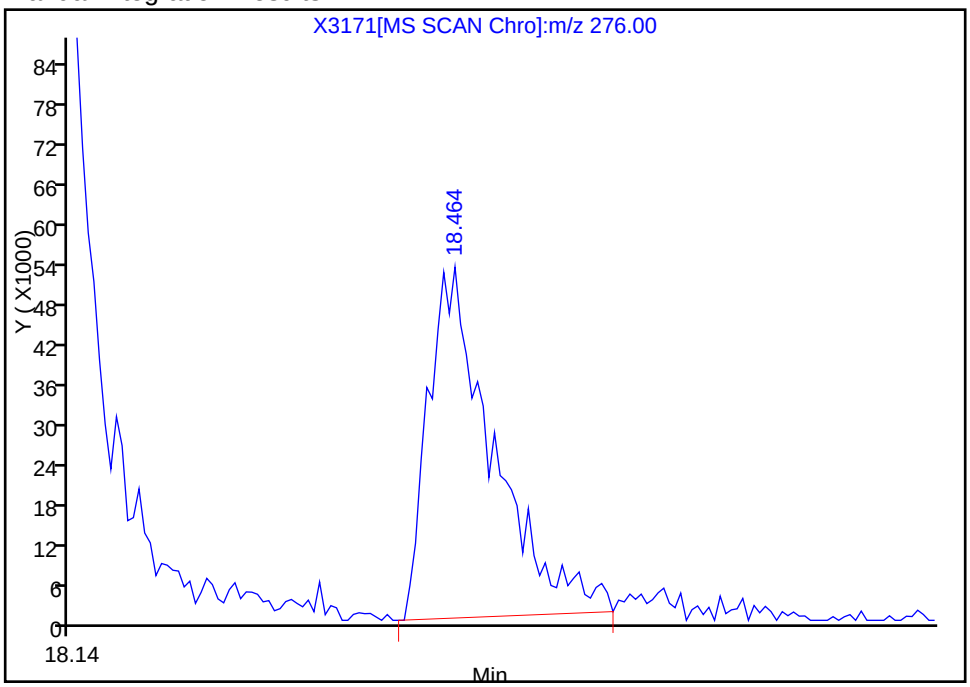
Processing Integration Results

Not Detected
Expected RT: 18.44



Manual Integration Results

RT: 18.46
Response: 200801
Amount: 2.032059



Reviewer: mckernar, 20-Dec-2012 09:37:24
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

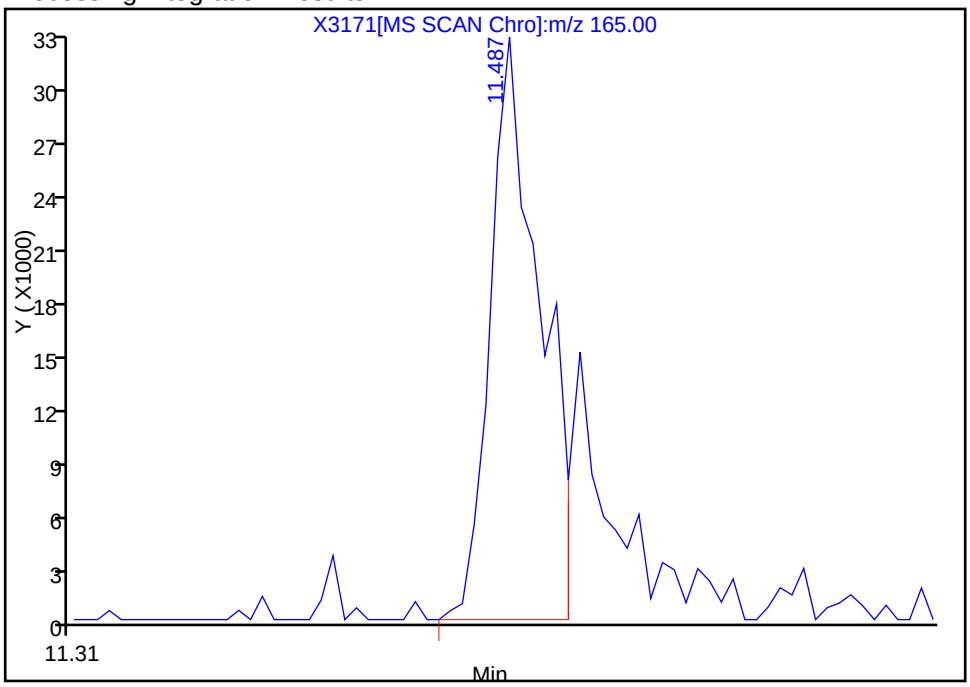
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3171.D		
Injection Date:	19-Dec-2012 18:04:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	18
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: 11.46

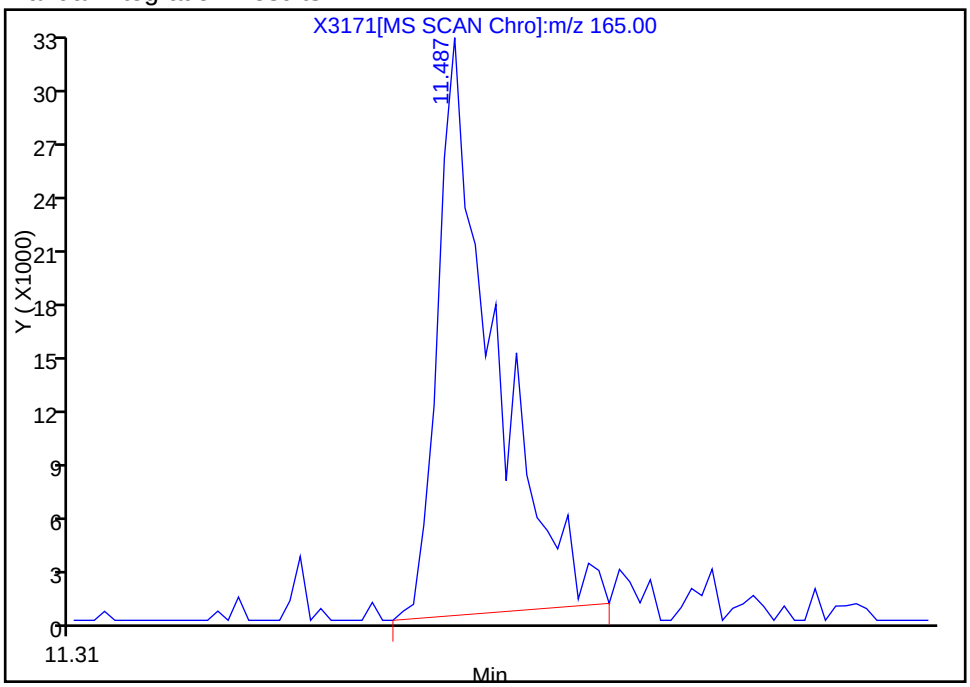
Processing Integration Results

RT: 11.49
Response: 45976
Amount: 0.879036



Manual Integration Results

RT: 11.49
Response: 57779
Amount: 1.269518



Reviewer: mckernar, 20-Dec-2012 09:37:24
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

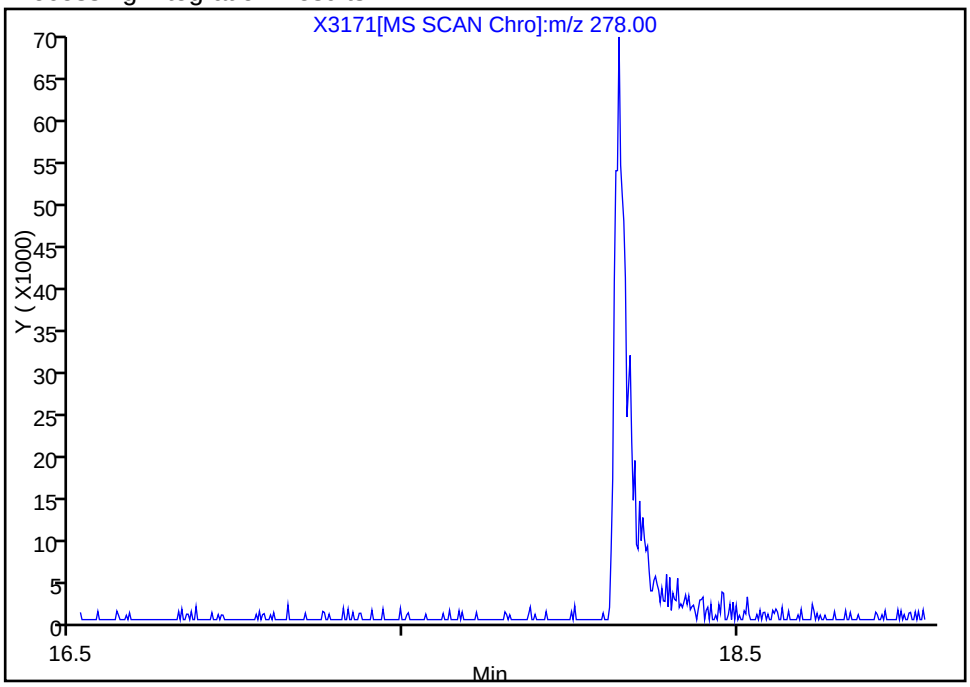
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3171.D		
Injection Date:	19-Dec-2012 18:04:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	18
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: 18.13

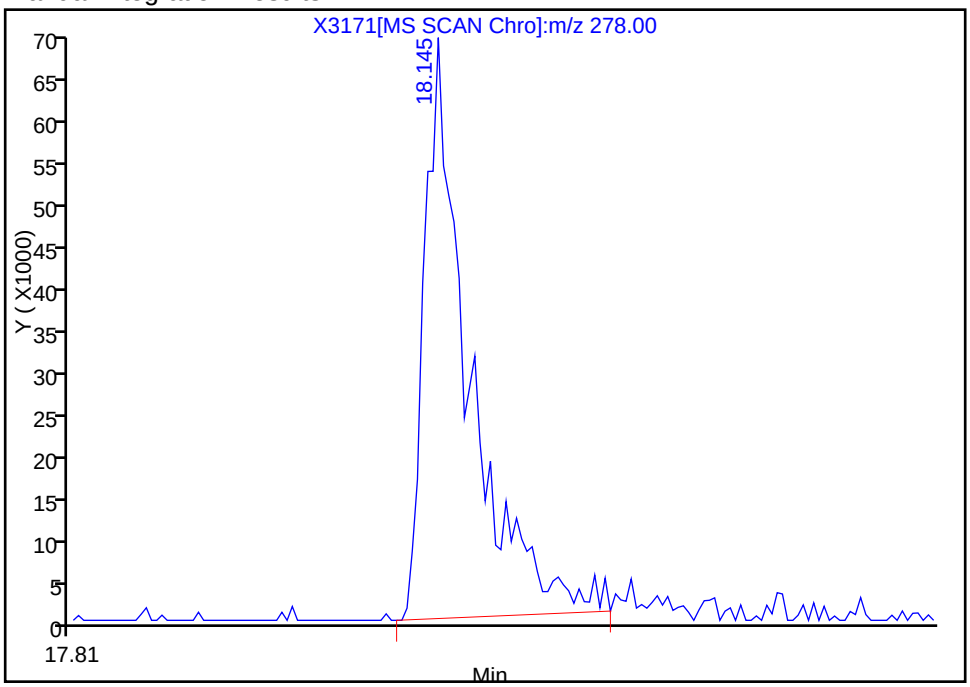
Processing Integration Results

Not Detected
Expected RT: 18.13



Manual Integration Results

RT: 18.14
Response: 194323
Amount: 1.933440



Reviewer: mckernar, 20-Dec-2012 09:37:24
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Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

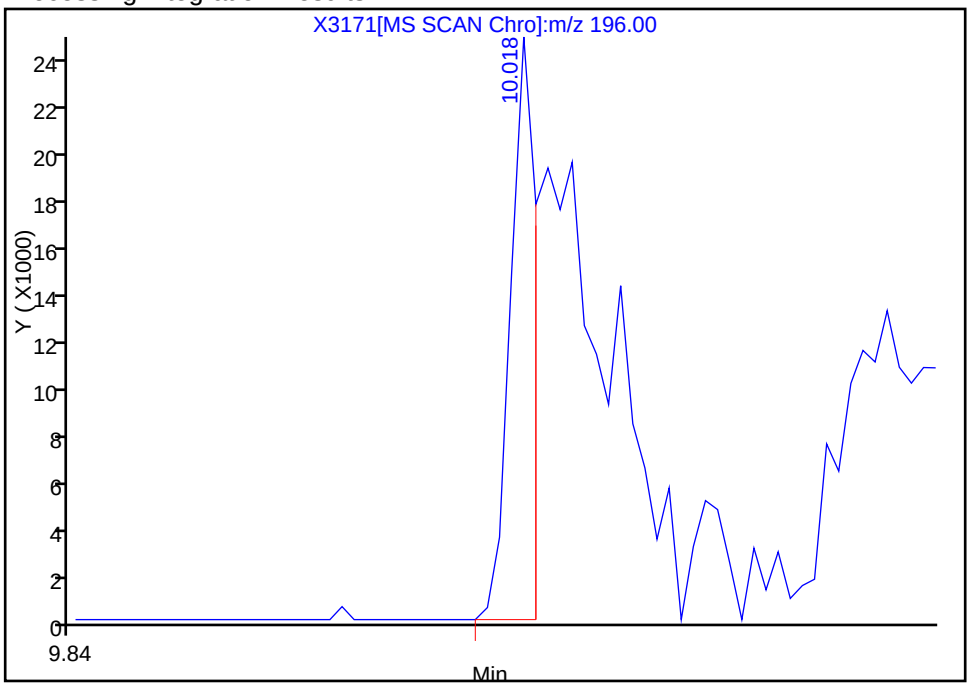
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3171.D		
Injection Date:	19-Dec-2012 18:04:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	18
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: 10.02

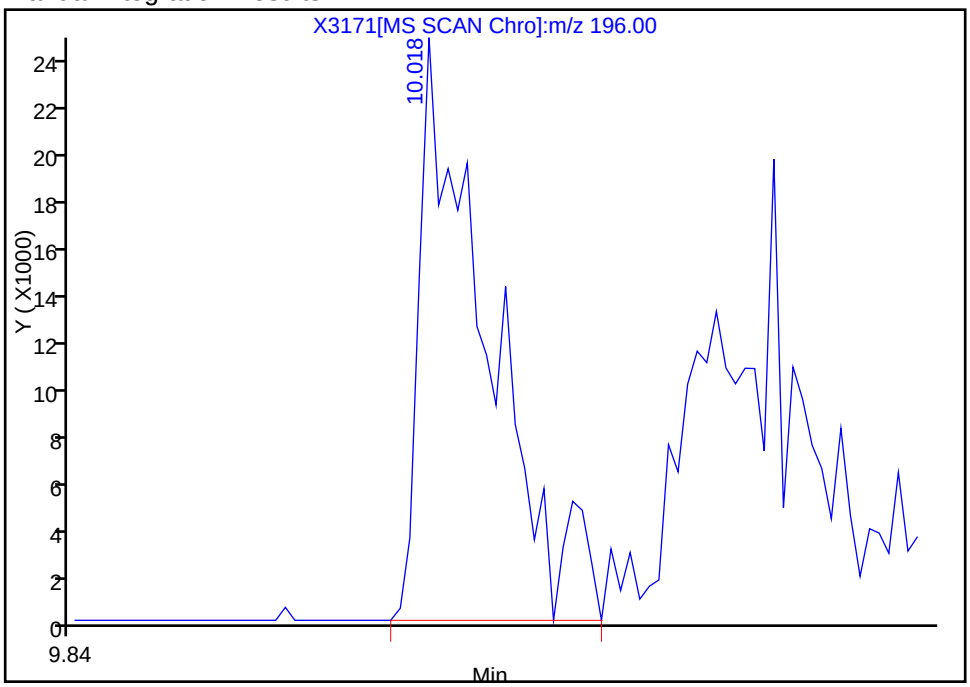
Processing Integration Results

RT: 10.02
Response: 17504
Amount: 0.439513



Manual Integration Results

RT: 10.02
Response: 58184
Amount: 1.657644



Reviewer: mckernar, 20-Dec-2012 09:37:24
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

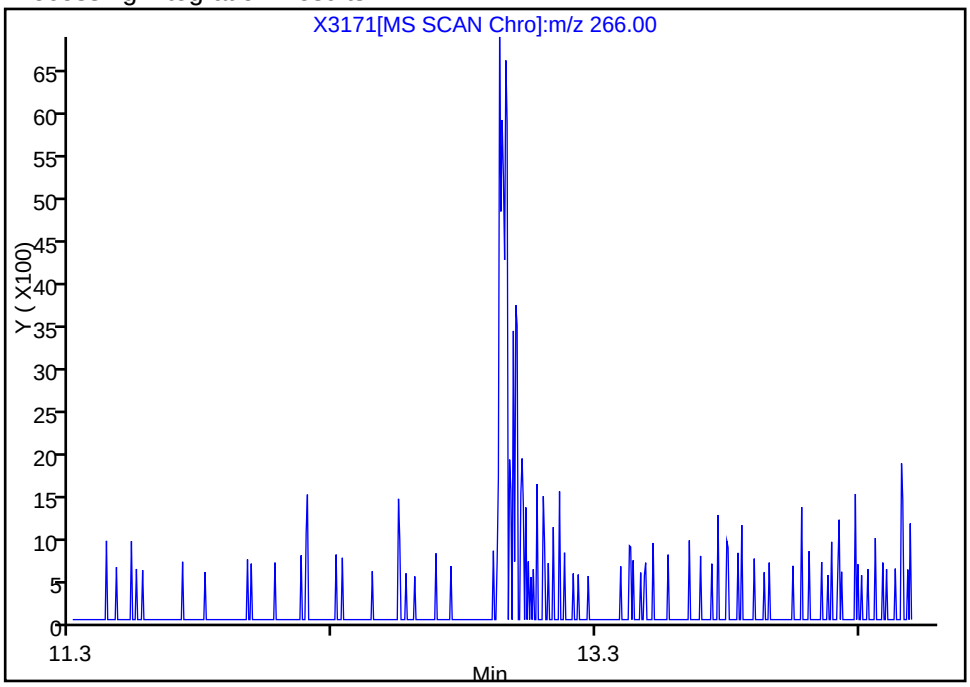
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3171.D		
Injection Date:	19-Dec-2012 18:04:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	18
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: 12.90

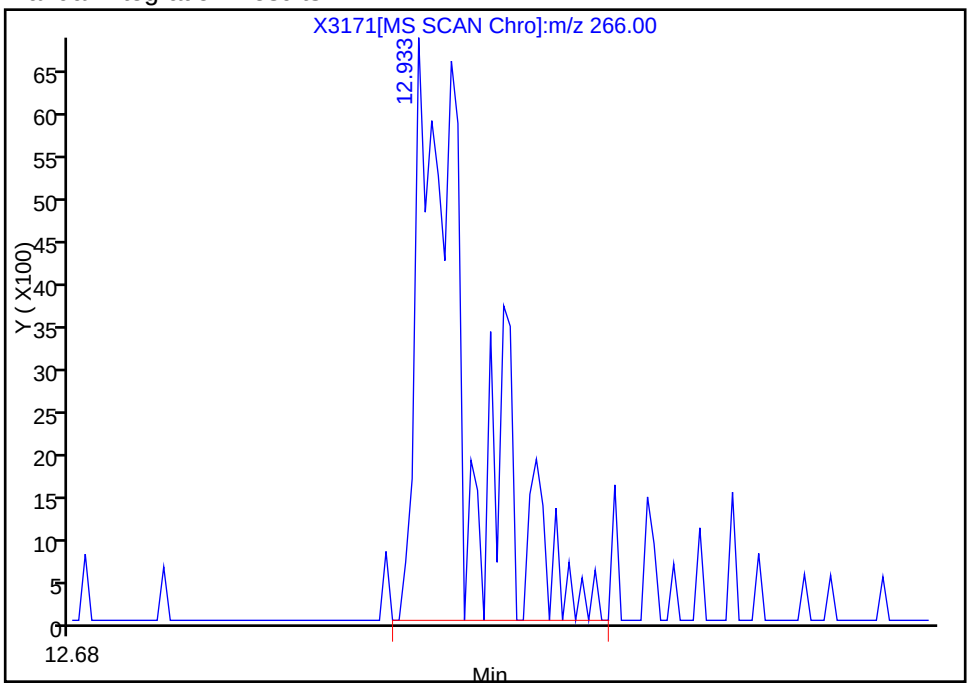
Processing Integration Results

Not Detected
Expected RT: 12.90



Manual Integration Results

RT: 12.93
Response: 18394
Amount: 1.817333



Reviewer: mckernar, 20-Dec-2012 09:37:24
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 09-Mar-2013 09:48:28 Chrom Revision: 2.0 01-Feb-2013 10:03:10

Manual Integration/User Assign Peak Report

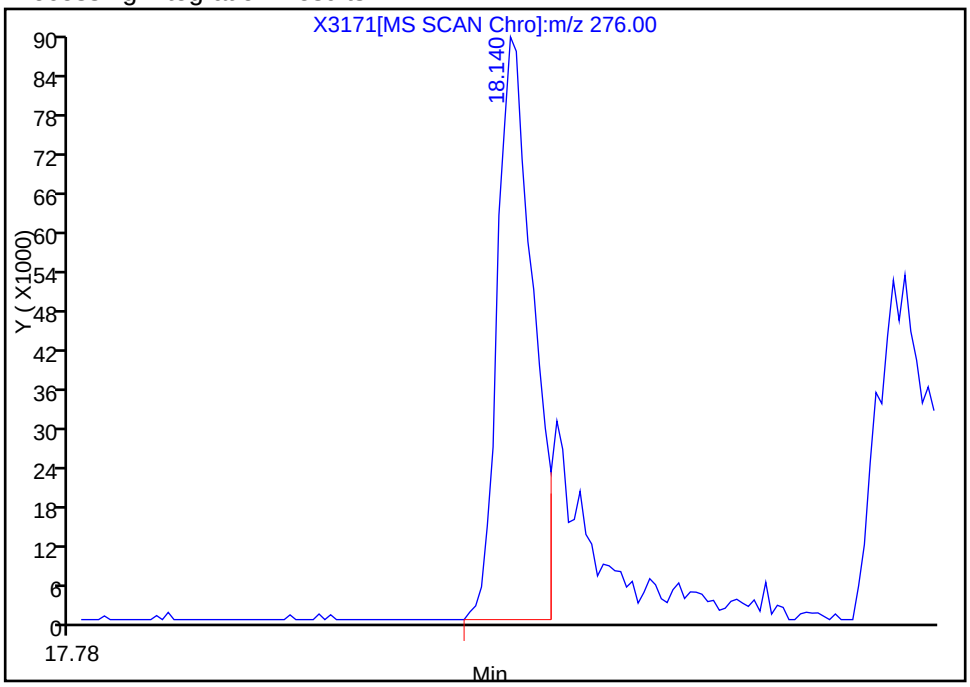
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3171.D		
Injection Date:	19-Dec-2012 18:04:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	18
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: 18.13

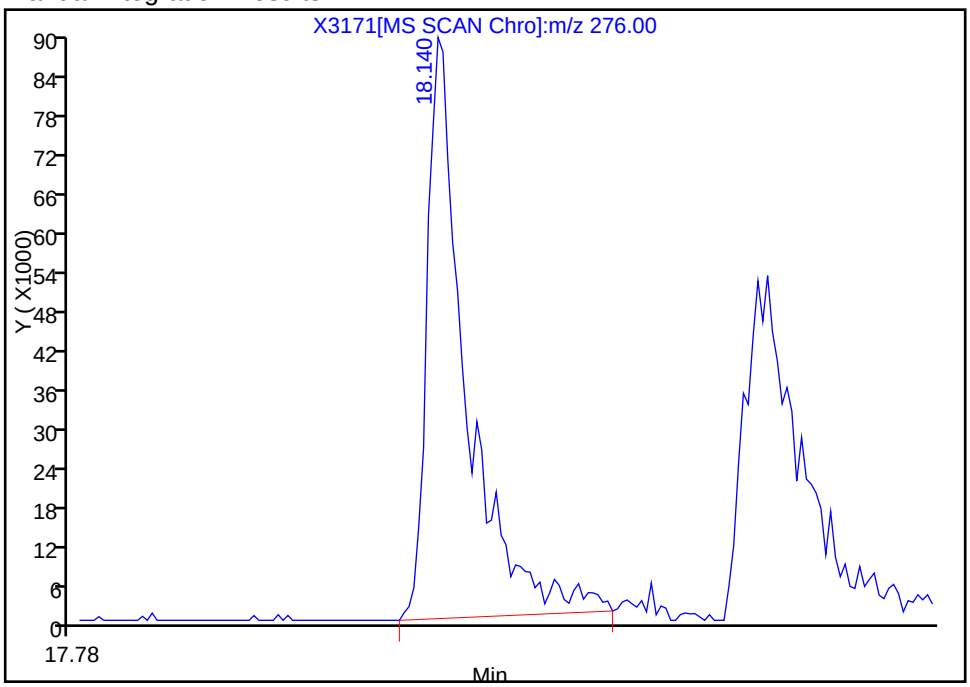
Processing Integration Results

RT: 18.14
Response: 181028
Amount: 1.424626



Manual Integration Results

RT: 18.14
Response: 239635
Amount: 2.023587



Reviewer: mckernar, 20-Dec-2012 09:37:24
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Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

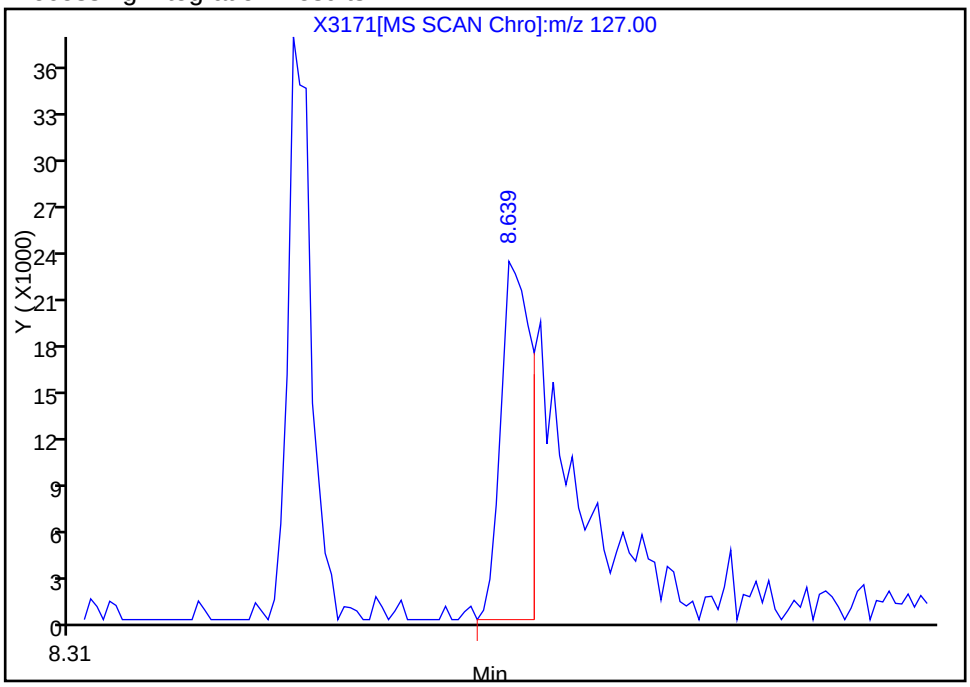
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3171.D		
Injection Date:	19-Dec-2012 18:04:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	18
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: 8.64

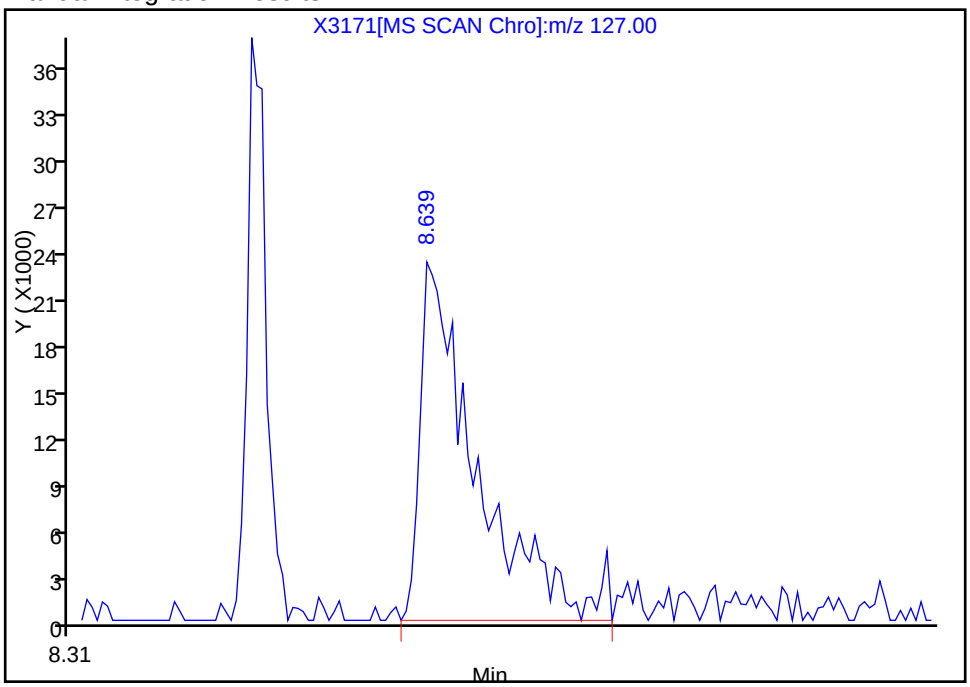
Processing Integration Results

RT: 8.64
Response: 36436
Amount: 0.402141



Manual Integration Results

RT: 8.64
Response: 82564
Amount: 1.038890



Reviewer: mckernar, 20-Dec-2012 09:37:24
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Audit Reason: Assign Peak

Report Date: 09-Mar-2013 09:48:27 Chrom Revision: 2.0 01-Feb-2013 10:03:10

Manual Integration/User Assign Peak Report

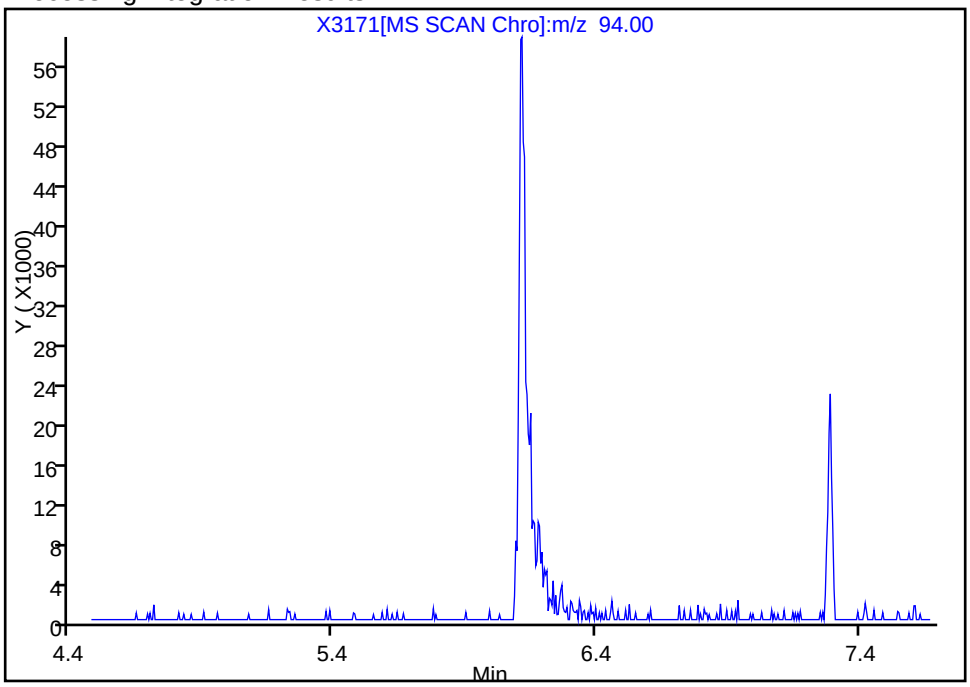
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3171.D		
Injection Date:	19-Dec-2012 18:04:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	18
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: 6.08

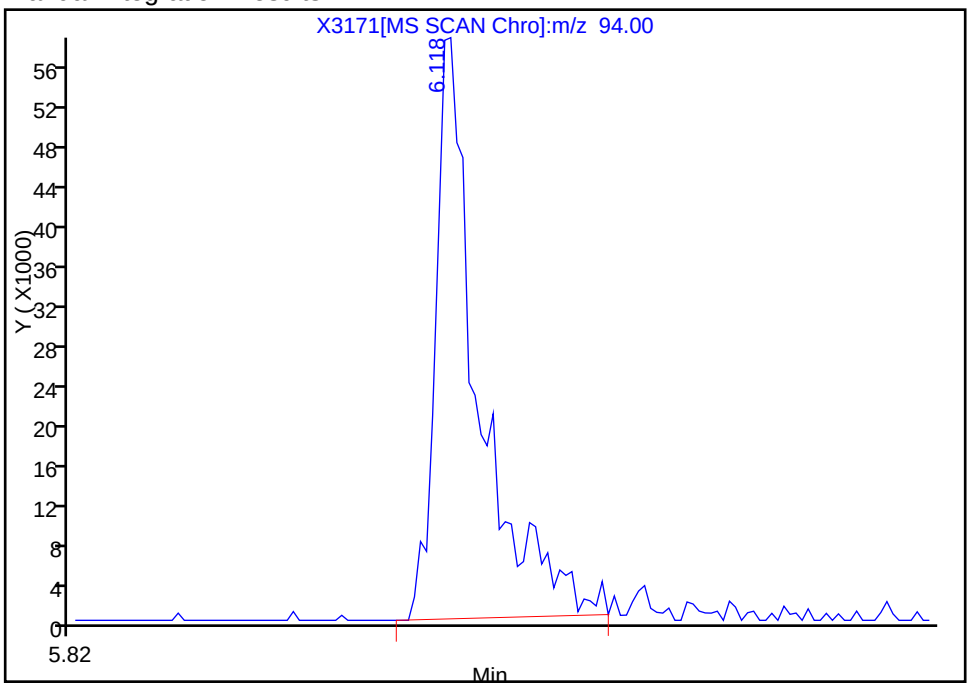
Processing Integration Results

Not Detected
Expected RT: 6.08



Manual Integration Results

RT: 6.12
Response: 138254
Amount: 1.709887



Reviewer: mckernar, 20-Dec-2012 09:37:24
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Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

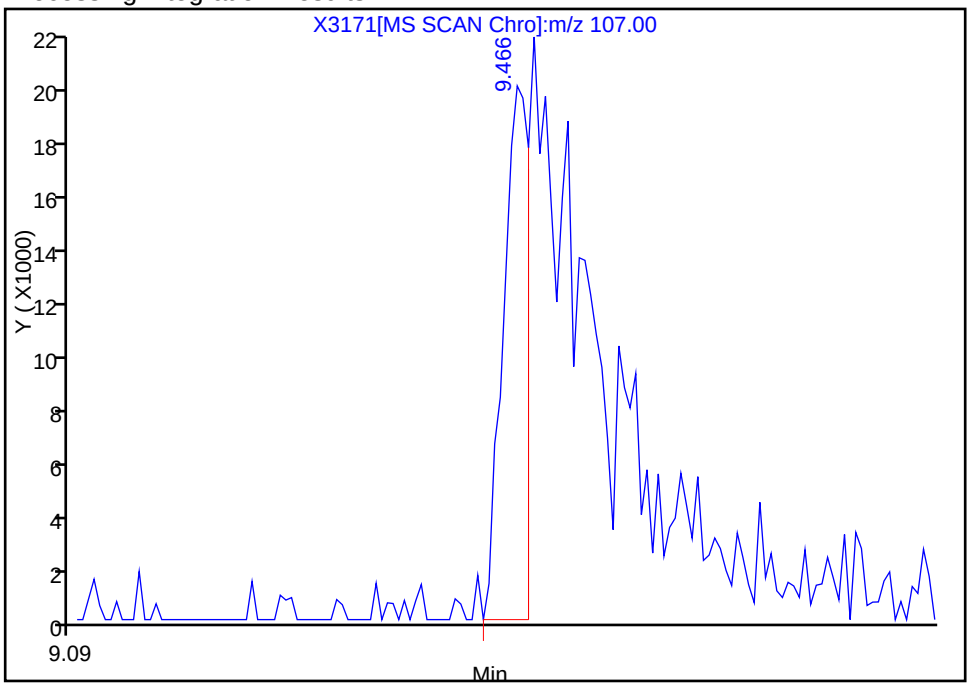
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3171.D		
Injection Date:	19-Dec-2012 18:04:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	18
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: 9.44

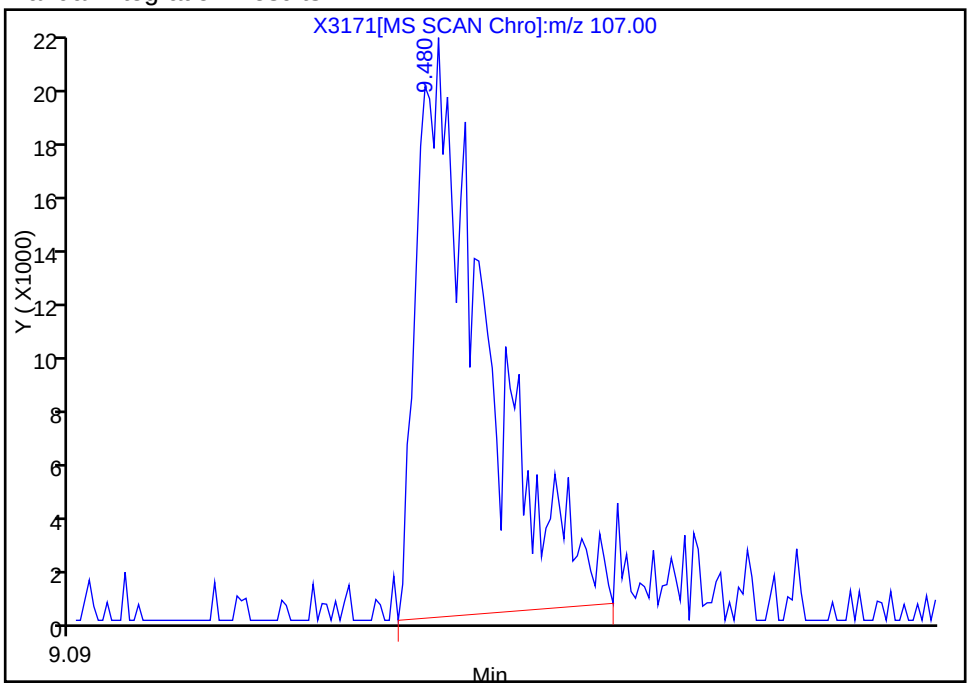
Processing Integration Results

RT: 9.47
Response: 29328
Amount: 0.443763



Manual Integration Results

RT: 9.48
Response: 109956
Amount: 1.846425



Reviewer: mckernar, 20-Dec-2012 09:37:24
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Audit Reason: Assign Peak

Report Date: 09-Mar-2013 09:48:28 Chrom Revision: 2.0 01-Feb-2013 10:03:10

Manual Integration/User Assign Peak Report

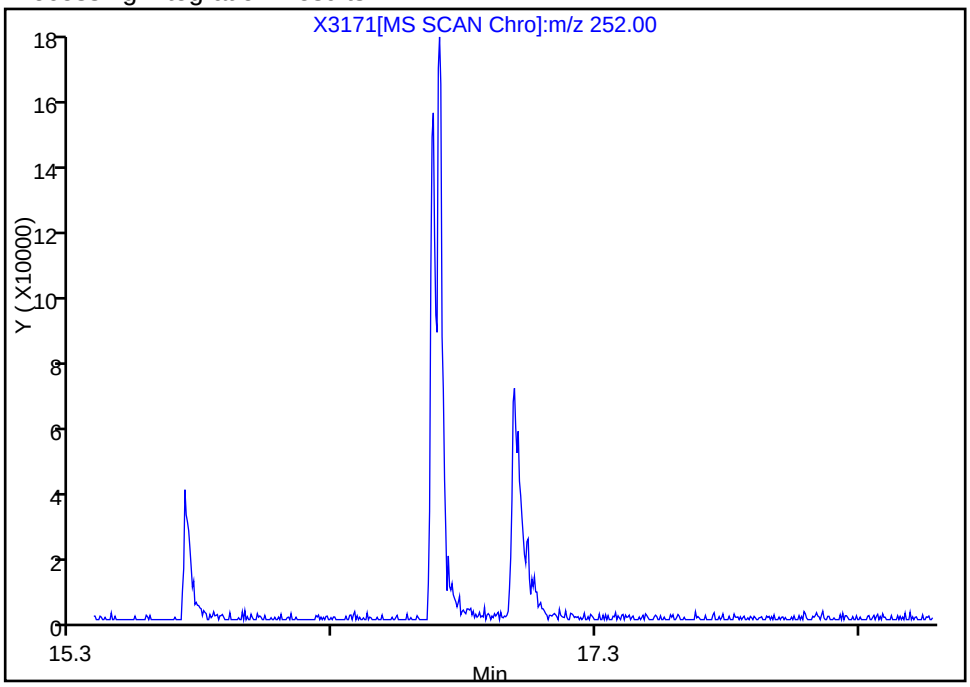
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3171.D		
Injection Date:	19-Dec-2012 18:04:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	18
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: 16.98

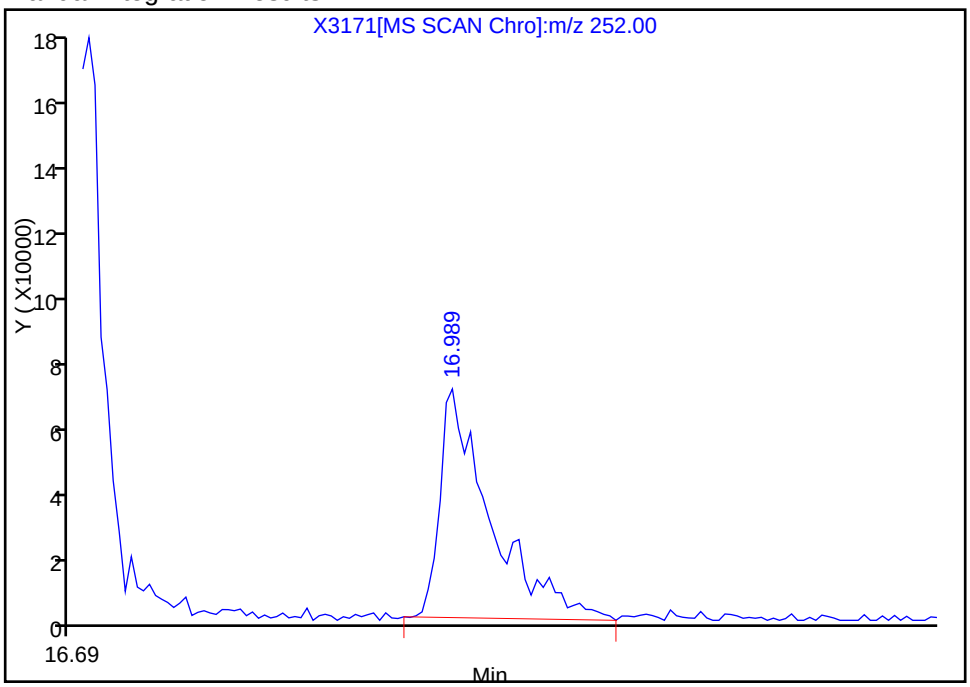
Processing Integration Results

Not Detected
Expected RT: 16.98



Manual Integration Results

RT: 16.99
Response: 188212
Amount: 1.696251



Reviewer: mckernar, 20-Dec-2012 09:37:24
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

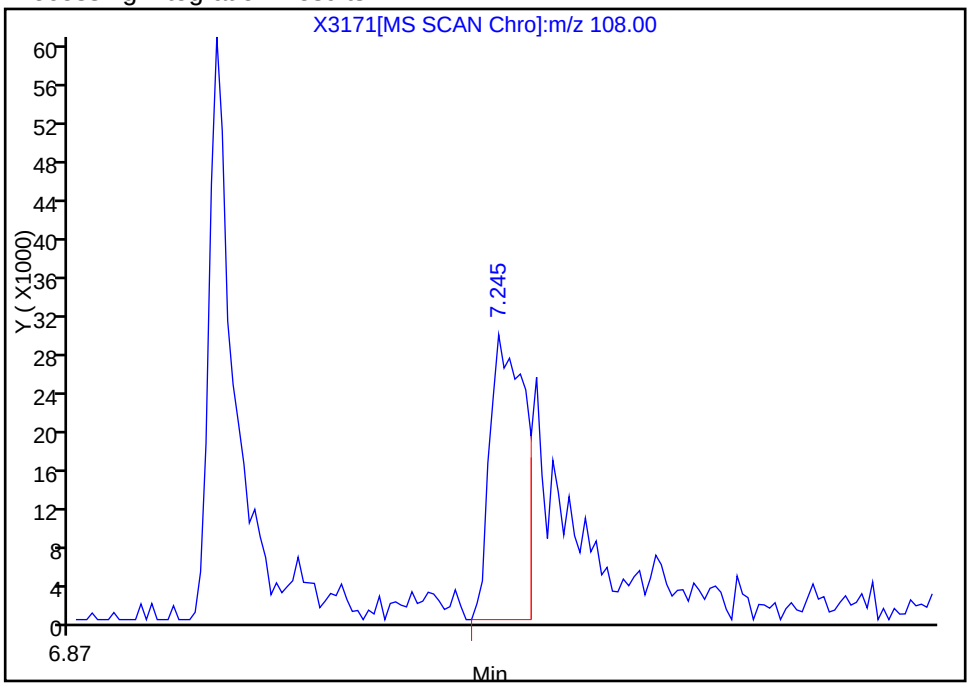
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3171.D		
Injection Date:	19-Dec-2012 18:04:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	18
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: 7.25

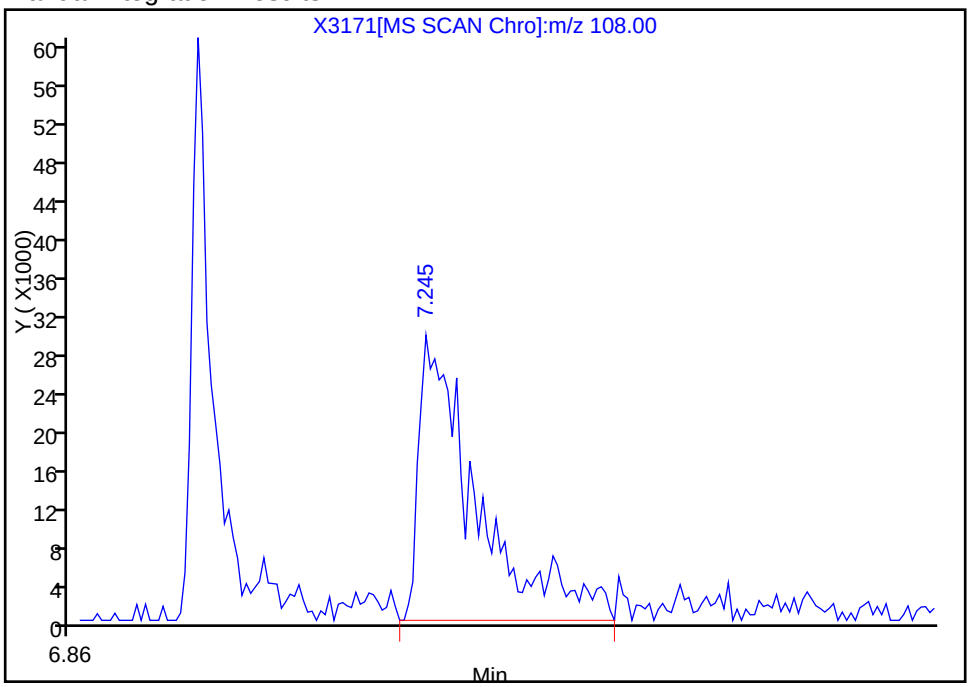
Processing Integration Results

RT: 7.25
Response: 63349
Amount: 1.083000



Manual Integration Results

RT: 7.25
Response: 128503
Amount: 2.199085



Reviewer: mckernar, 20-Dec-2012 09:37:24
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

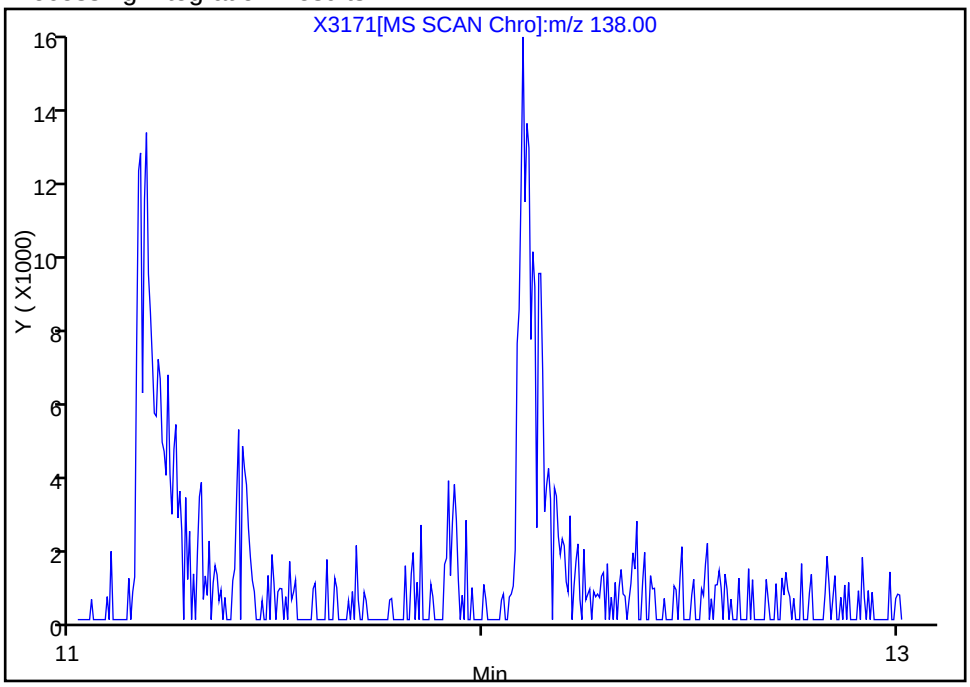
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3171.D		
Injection Date:	19-Dec-2012 18:04:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	18
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: 12.01

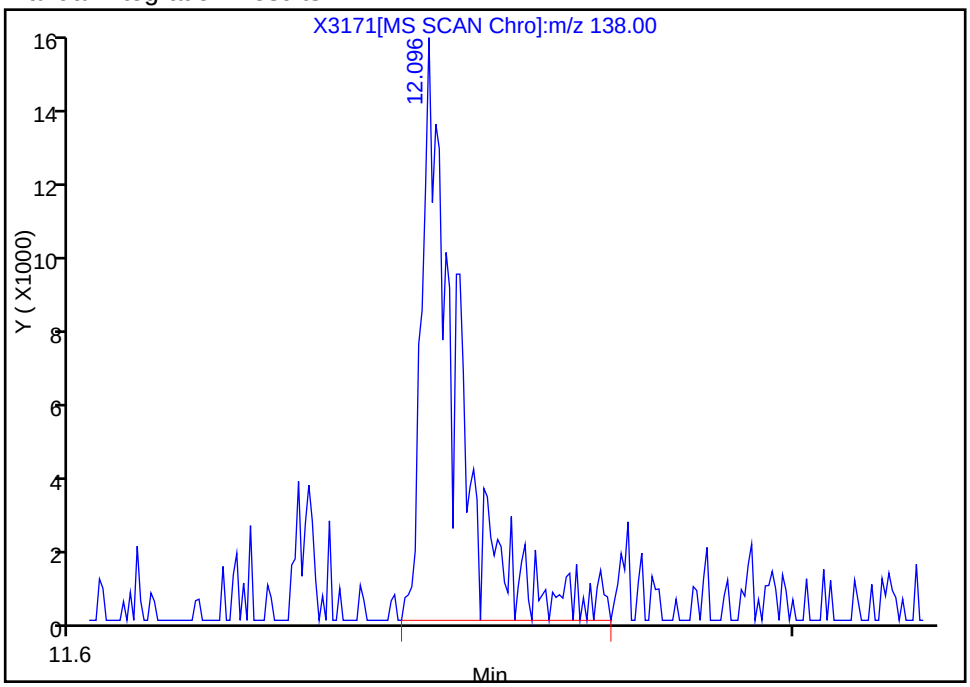
Processing Integration Results

Not Detected
Expected RT: 12.01



Manual Integration Results

RT: 12.10
Response: 54439
Amount: 1.734031



Reviewer: mckernar, 20-Dec-2012 09:37:24
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

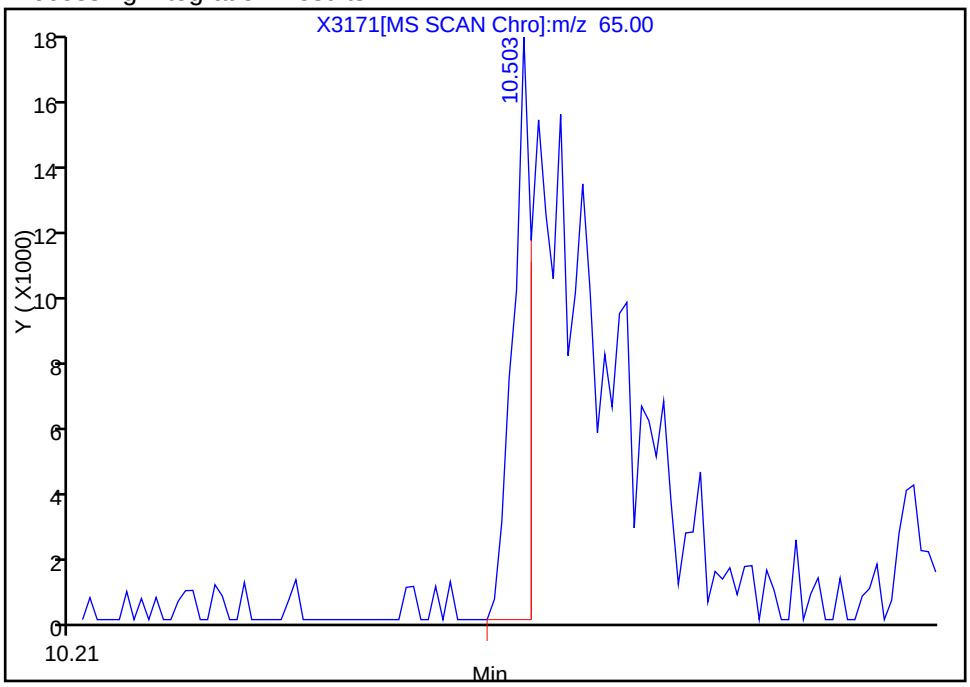
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3171.D		
Injection Date:	19-Dec-2012 18:04:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	18
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: 10.48

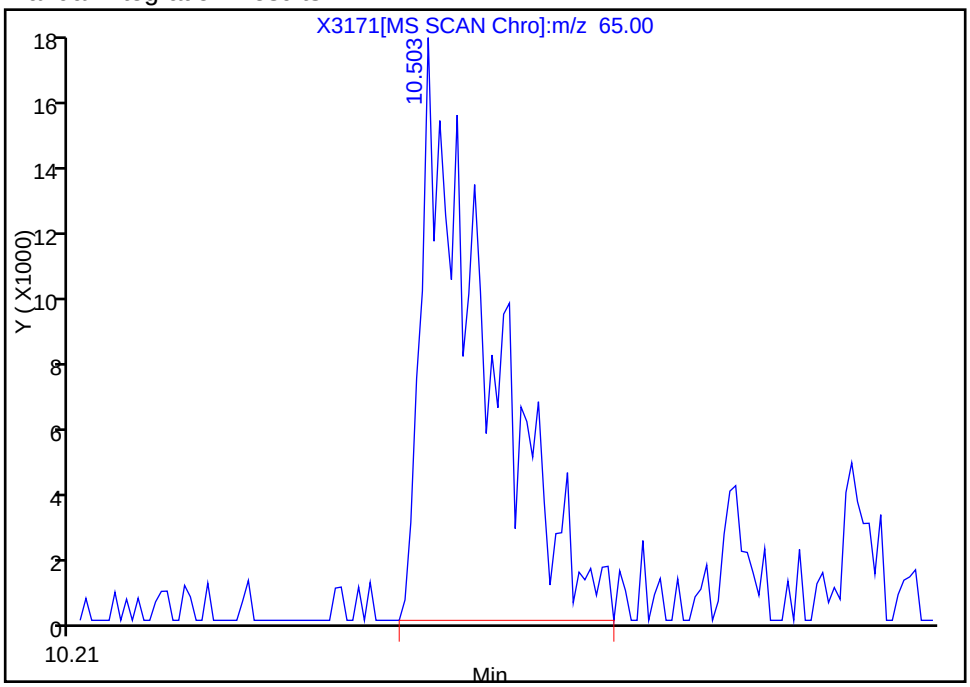
Processing Integration Results

RT: 10.50
Response: 14532
Amount: 0.313902



Manual Integration Results

RT: 10.50
Response: 67724
Amount: 1.682341



Reviewer: mckernar, 20-Dec-2012 09:37:24
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 09-Mar-2013 09:48:28 Chrom Revision: 2.0 01-Feb-2013 10:03:10

Manual Integration/User Assign Peak Report

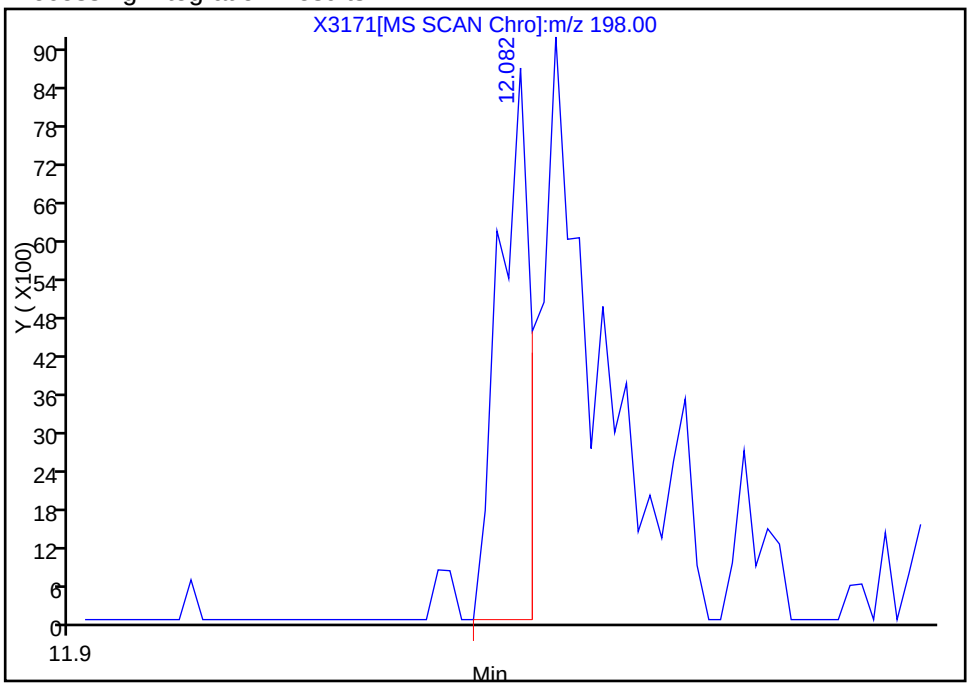
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3171.D		
Injection Date:	19-Dec-2012 18:04:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	18
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: 12.04

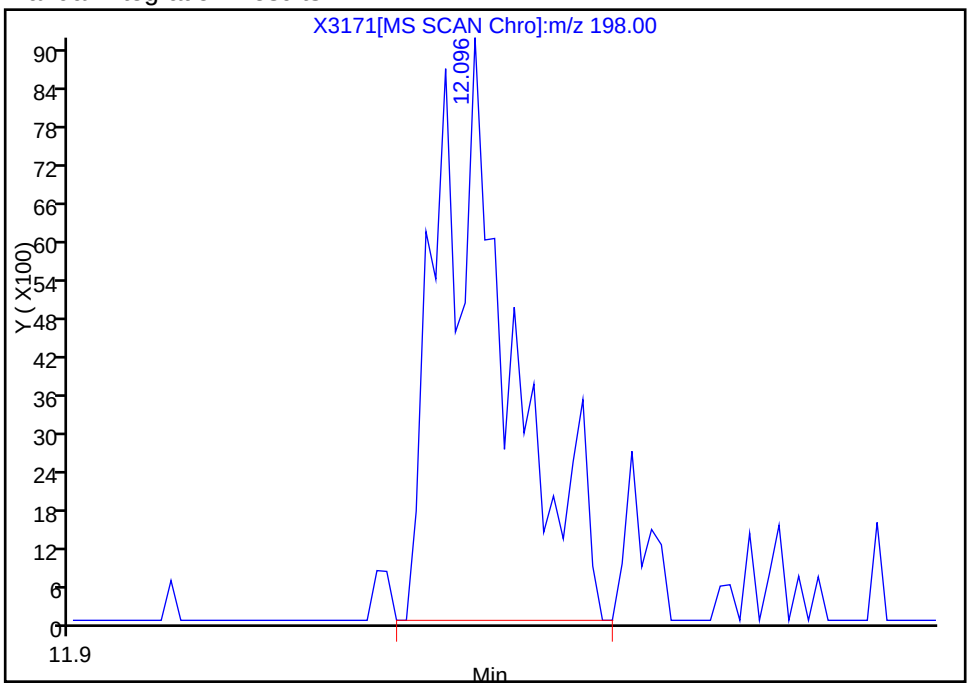
Processing Integration Results

RT: 12.08
Response: 7537
Amount: 0.270616



Manual Integration Results

RT: 12.10
Response: 22331
Amount: 1.785605



Reviewer: mckernar, 20-Dec-2012 09:37:24
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

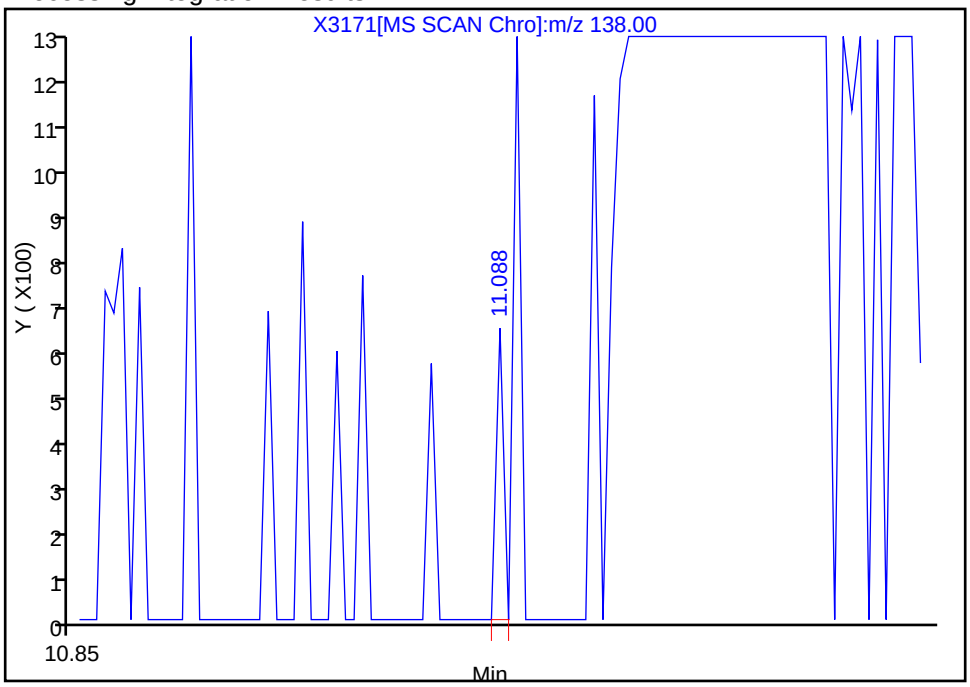
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3171.D		
Injection Date:	19-Dec-2012 18:04:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	18
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: 11.11

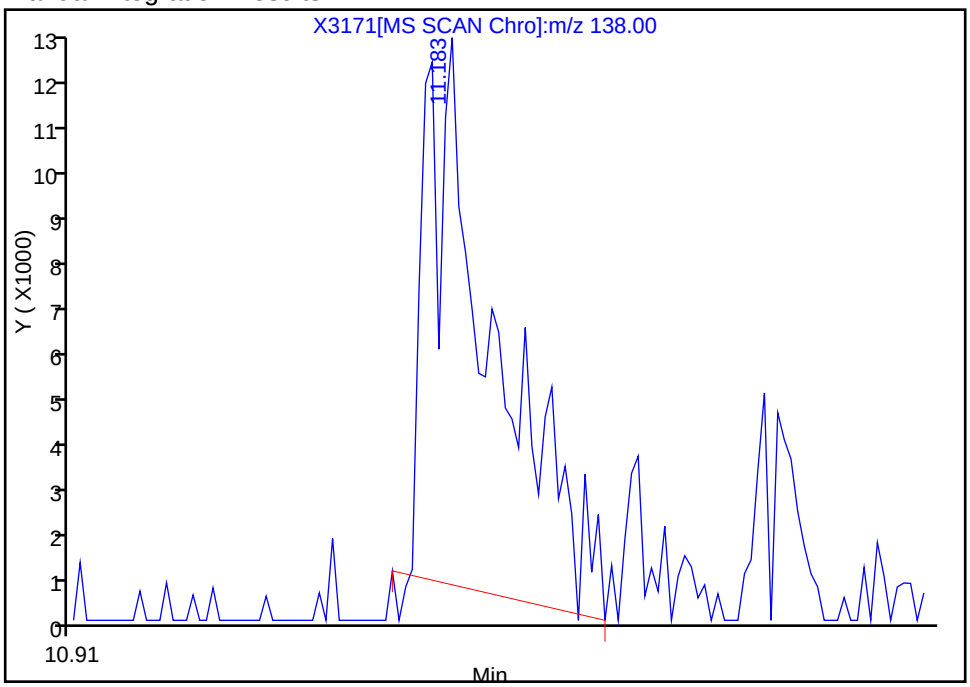
Processing Integration Results

RT: 11.09
Response: 175
Amount: 0.005032



Manual Integration Results

RT: 11.18
Response: 41792
Amount: 1.180088



Reviewer: mckernar, 20-Dec-2012 09:37:24
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

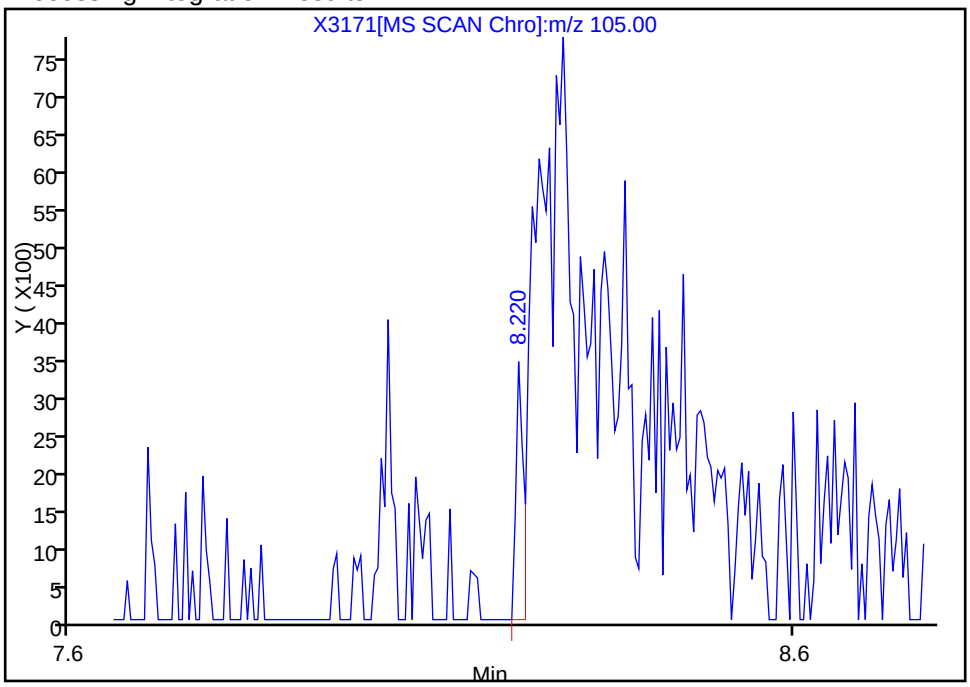
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3171.D		
Injection Date:	19-Dec-2012 18:04:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	18
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

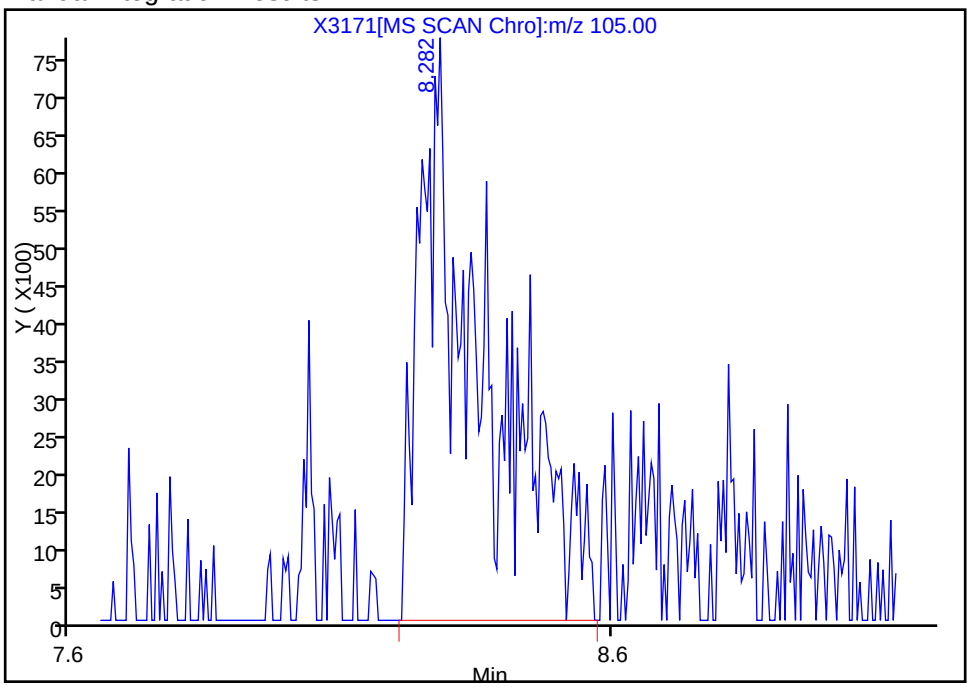
Processing Integration Results

RT: 8.22
Response: 2484
Amount: 0.054479



Manual Integration Results

RT: 8.28
Response: 64536
Amount: 2.298413



Reviewer: mckernar, 20-Dec-2012 09:37:24
Audit Action: Manually Integrated
Audit Reason: Assign Peak

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-30197-1

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.: 480-30197-1

SDG No.:

Instrument ID: HP5973X Start Date: 12/19/2012 11:00

Analysis Batch Number: 96568 End Date: 12/19/2012 22:45

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 480-96568/1		12/19/2012 11:00	1	X3154.D	RXI-5Sil MS 0.25(mm)
CCVIS 480-96568/2		12/19/2012 11:16	1	X3155.D	RXI-5Sil MS 0.25(mm)
ZZZZZ		12/19/2012 11:41	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		12/19/2012 12:07	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		12/19/2012 12:33	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		12/19/2012 12:58	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		12/19/2012 13:24	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		12/19/2012 13:50	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		12/19/2012 14:15	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		12/19/2012 14:41	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		12/19/2012 15:06	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		12/19/2012 15:31	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		12/19/2012 15:57	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		12/19/2012 16:22	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		12/19/2012 16:47	1		RXI-5Sil MS 0.25(mm)
MB 480-96302/1-A		12/19/2012 17:13	1	X3169.D	RXI-5Sil MS 0.25(mm)
LCS 480-96302/2-A		12/19/2012 17:38	1	X3170.D	RXI-5Sil MS 0.25(mm)
LCSD 480-96302/3-A		12/19/2012 18:04	1	X3171.D	RXI-5Sil MS 0.25(mm)
ZZZZZ		12/19/2012 18:29	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		12/19/2012 18:55	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		12/19/2012 19:21	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		12/19/2012 19:47	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		12/19/2012 20:12	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		12/19/2012 20:37	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		12/19/2012 21:03	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		12/19/2012 21:28	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		12/19/2012 21:54	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		12/19/2012 22:19	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		12/19/2012 22:45	1		RXI-5Sil MS 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-30197-1

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)
480-30197-4	OC-SB-520-0.0/1.0-XXX	12/20/2012 12:17	1	X3195.D	RXI-5Sil MS 0.25(mm)
480-30197-5	OC-SB-520-8.0/10-XXX	12/20/2012 12:43	1	X3196.D	RXI-5Sil MS 0.25(mm)
480-30197-6	OC-SB-520-18/20-XXX	12/20/2012 13:08	1	X3197.D	RXI-5Sil MS 0.25(mm)
480-30197-7	OC-SB-522-0.0/1.0-XXX	12/20/2012 13:34	1	X3198.D	RXI-5Sil MS 0.25(mm)
480-30197-9	OC-SB-522-13/15-XXX	12/20/2012 14:26	1	X3200.D	RXI-5Sil MS 0.25(mm)
ZZZZZ		12/20/2012 14:51	20		RXI-5Sil MS 0.25(mm)
ZZZZZ		12/20/2012 15:17	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		12/20/2012 15:42	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		12/20/2012 16:08	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		12/20/2012 16:33	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		12/20/2012 16:58	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		12/20/2012 17:24	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		12/20/2012 17:49	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		12/20/2012 18:15	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		12/20/2012 18:40	1		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.: 480-30197-1

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)
480-30197-8	OC-SB-522-8.0/10-XXX	12/21/2012 10:38	100	X3223.D	RXI-5Sil MS 0.25(mm)
ZZZZZ		12/21/2012 11:04	10		RXI-5Sil MS 0.25(mm)
ZZZZZ		12/21/2012 11:54	20		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)
ZZZZZ		12/21/2012 15:08	500		RXI-5Sil MS 0.25(mm)

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-30197-1

SDG No.:

Batch Number: 96302 Batch Start Date: 12/18/12 08:12 Batch Analyst: Myers, Carmela

Batch Method: 3546 Batch End Date: 12/18/12 14:55

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	O_8270LLspike 00003	O_8270LLsurr 00003	AnalysisComment	
MB 480-96302/1		3546, 8270D		000030.2 g	1 mL		1 mL		
LCS 480-96302/2		3546, 8270D		000030.5 g	1 mL	1 mL	1 mL		
LCSD 480-96302/3		3546, 8270D		000030.2 g	1 mL	1 mL	1 mL		
480-30197-A-4	OC-SB-520-0.0/1.0-XXX	3546, 8270D	T	000030.4 g	1 mL		1 mL		
480-30197-A-5	OC-SB-520-8.0/10-XXX	3546, 8270D	T	000030.4 g	1 mL		1 mL		
480-30197-A-6	OC-SB-520-18/20-XXX	3546, 8270D	T	000030.5 g	1 mL		1 mL		
480-30197-B-7	OC-SB-522-0.0/1.0-XXX	3546, 8270D	T	000030.6 g	1 mL		1 mL		
480-30197-B-8	OC-SB-522-8.0/10-XXX	3546, 8270D	T	000030.1 g	1 mL		1 mL	Decanted	
480-30197-B-9	OC-SB-522-13/15-XXX	3546, 8270D	T	000030.7 g	1 mL		1 mL	Decanted	

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	CM

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 8270C

Semivolatile Organic Compounds (GC/MS) by Method 8270C

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-30197-1

SDG No.:

Lab File ID: V7919.D Lab Sample ID: MB 480-96085/1-E

Matrix: Solid Date Extracted: 12/19/2012 08:06

Instrument ID: HP5973V Date Analyzed: 12/29/2012 23:44

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-533-6.0/8.0-XXX	480-30197-14	V7920.D	12/30/2012 00:09

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Buffalo Job No.: 480-30197-1

SDG No.:

Lab File ID: V7493.D DFTPP Injection Date: 12/13/2012

Instrument ID: HP5973V DFTPP Injection Time: 12:43

Analysis Batch No.: 95638

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	40.4	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	43.2	
70	Less than 2.0 % of mass 69	0.0	(0.0)1
127	40.0 - 60.0 % of mass 198	54.6	
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	6.9	
275	10.0 - 30.0 % of mass 198	28.5	
365	Greater than 1.0 % of mass 198	3.3	
441	Present but less than mass 443	16.4	(80.4)3
442	Greater than 40.0 % of mass 198	104.8	
443	17.0 - 23.0 % of mass 442	20.4	(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
	IC 480-95638/4	V7496.D	12/13/2012	13:49
	IC 480-95638/5	V7497.D	12/13/2012	14:26
	ICIS 480-95638/6	V7498.D	12/13/2012	14:50
	IC 480-95638/8	V7500.D	12/13/2012	15:38
	IC 480-95638/9	V7501.D	12/13/2012	16:02
	IC 480-95638/7	V7504.D	12/13/2012	16:31

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Buffalo Job No.: 480-30197-1

SDG No.:

Lab File ID: V7893.D DFTPP Injection Date: 12/29/2012

Instrument ID: HP5973V DFTPP Injection Time: 13:24

Analysis Batch No.: 97808

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	39.3	
68	Less than 2.0 % of mass 69	0.2	(0.5)1
69	Mass 69 relative abundance	41.8	
70	Less than 2.0 % of mass 69	0.0	(0.0)1
127	40.0 - 60.0 % of mass 198	55.0	
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	6.6	
275	10.0 - 30.0 % of mass 198	26.1	
365	Greater than 1.0 % of mass 198	3.6	
441	Present but less than mass 443	14.5	(74.7)3
442	Greater than 40.0 % of mass 198	99.0	
443	17.0 - 23.0 % of mass 442	19.4	(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 480-97808/2	V7894.D	12/29/2012	13:40
	MB 480-96085/1-E	V7919.D	12/29/2012	23:44
OC-SB-533-6.0/8.0-XXX	480-30197-14	V7920.D	12/30/2012	00:09

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

Lab Name: TestAmerica Buffalo Job No.: 480-30197-1

SDG No.:

Sample No.: ICIS 480-95638/6 Date Analyzed: 12/13/2012 14:50

Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): V7498.D Heated Purge: (Y/N) N

Calibration ID: 11615

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		228468	6.09	899731	7.75	539096	10.01
UPPER LIMIT		456936	6.59	1799462	8.25	1078192	10.51
LOWER LIMIT		114234	5.59	449866	7.25	269548	9.51
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 480-97808/2		132892	6.09	521134	7.74	308555	10.01

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 8270C

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

Lab Name: TestAmerica Buffalo Job No.: 480-30197-1

SDG No.:

Sample No.: ICIS 480-95638/6 Date Analyzed: 12/13/2012 14:50

Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): V7498.D Heated Purge: (Y/N) N

Calibration ID: 11615

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		861474	11.70	882041	14.19	911653	15.61
UPPER LIMIT		1722948	12.20	1764082	14.69	1823306	16.11
LOWER LIMIT		430737	11.20	441021	13.69	455827	15.11
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 480-97808/2		500715	11.70	516878	14.20	528827	15.62

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 8270C

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

Lab Name: TestAmerica Buffalo Job No.: 480-30197-1

SDG No.:

Sample No.: CCVIS 480-97808/2 Date Analyzed: 12/29/2012 13:40

Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): V7894.D Heated Purge: (Y/N) N

Calibration ID: 11615

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		132892	6.09	521134	7.74	308555	10.01
UPPER LIMIT		265784	6.59	1042268	8.24	617110	10.51
LOWER LIMIT		66446	5.59	260567	7.24	154278	9.51
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 480-96085/1-E		141251	6.09	548242	7.74	321720	10.01
480-30197-14	OC-SB-533-6.0/8.0-XXX	137854	6.09	534290	7.74	311843	10.01

DCB = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
NPT = Naphthalene-d8
ANT = Acenaphthene-d10
Area Limit = 50%-200% of internal standard area
ANT = Acenaphthene-d10
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270C

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

Lab Name: TestAmerica Buffalo Job No.: 480-30197-1

SDG No.:

Sample No.: CCVIS 480-97808/2 Date Analyzed: 12/29/2012 13:40

Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): V7894.D Heated Purge: (Y/N) N

Calibration ID: 11615

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		500715	11.70	516878	14.20	528827	15.62
UPPER LIMIT		1001430	12.20	1033756	14.70	1057654	16.12
LOWER LIMIT		250358	11.20	258439	13.70	264414	15.12
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 480-96085/1-E		516715	11.70	602879	14.19	523269	15.61
480-30197-14	OC-SB-533-6.0/8.0-XXX	498892	11.70	569052	14.19	507475	15.61

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 8270C

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30197-1

SDG No.:

Client Sample ID: OC-SB-533-6.0/8.0-XXX | Lab Sample ID: 480-30197-14

Matrix: Solid | Lab File ID: V7920.D

Analysis Method: 8270C | Date Collected: 12/13/2012 14:20

Extract. Method: 3546 | Date Extracted: 12/19/2012 08:06

Sample wt/vol: 000010.3(g) | Date Analyzed: 12/30/2012 00:09

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

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

Analysis Batch No.: 97808 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
91-57-6	2-Methylnaphthalene	ND		990	990
83-32-9	Acenaphthene	ND		990	990
208-96-8	Acenaphthylene	ND		990	990
120-12-7	Anthracene	ND		990	990
56-55-3	Benz(a)anthracene	ND		990	990
50-32-8	Benzo(a)pyrene	ND		990	990
205-99-2	Benzo(b)fluoranthene	ND		990	990
191-24-2	Benzo(ghi)perylene	ND		990	990
207-08-9	Benzo(k)fluoranthene	ND		990	990
218-01-9	Chrysene	ND		990	990
53-70-3	Dibenz(a,h)anthracene	ND		990	990
206-44-0	Fluoranthene	ND		990	990
86-73-7	Fluorene	ND		990	990
193-39-5	Indeno(1,2,3-cd)pyrene	ND		990	990
91-20-3	Naphthalene	ND		990	990
85-01-8	Phenanthrene	ND		990	990
129-00-0	Pyrene	ND		990	990

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973V\20121229-17933.b\V7920.D		
Lims ID:	480-30197-A-14-E	Client ID:	OC-SB-533-6.0/8.0-XXX
Inject. Date:	30-Dec-2012 00:09:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-0017933-028		
Misc. Info.:			
Operator:	hl	Instrument ID:	HP5973V
Injection Vol:	1.0 ul	ALS Bottle#:	29
Lims Batch ID:	97808	Lims Sample ID:	28
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973V\20121229-17933.b\V-8270.m		
Last Update:	03-Jan-2013 10:13:14	Calib Date:	13-Dec-2012 16:31:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973V\20121213-17520.b\V7504.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm
Process Host:	XAWRK035		

First Level Reviewer: lyh Date: 03-Jan-2013 10:13:14

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.092	6.087	0.005	93	137854	40.0	
* 2 Naphthalene-d8	136	7.743	7.743	0.0	99	534290	40.0	
* 3 Acenaphthene-d10	164	10.008	10.008	0.0	91	311843	40.0	
* 4 Phenanthrene-d10	188	11.702	11.702	0.0	97	498892	40.0	
* 5 Chrysene-d12	240	14.191	14.191	0.0	98	569052	40.0	
* 6 Perylene-d12	264	15.612	15.618	-0.006	98	507475	40.0	
118 Naphthalene	128		7.770					
131 2-Methylnaphthalene	142		8.667					
150 Acenaphthylene	152		9.832					
152 Acenaphthene	153		10.051					
162 Fluorene	166		10.671					
188 Phenanthrene	178		11.728					9
189 Anthracene	178		11.782					9
201 Fluoranthene	202		12.898					9
204 Pyrene	202		13.112					9
217 Benzo[a]anthracene	228		14.186					9
218 Chrysene	228		14.218					
221 Benzo[b]fluoranthene	252		15.206					
222 Benzo[k]fluoranthene	252		15.238					
225 Benzo[a]pyrene	252		15.559					9
227 Indeno[1,2,3-cd]pyrene	276		16.926					9
228 Dibenz(a,h)anthracene	278		16.932					9
229 Benzo[g,h,i]perylene	276		17.306					9
S 245 EPH Adjustment 1	1		0.000					

QC Flag Legend

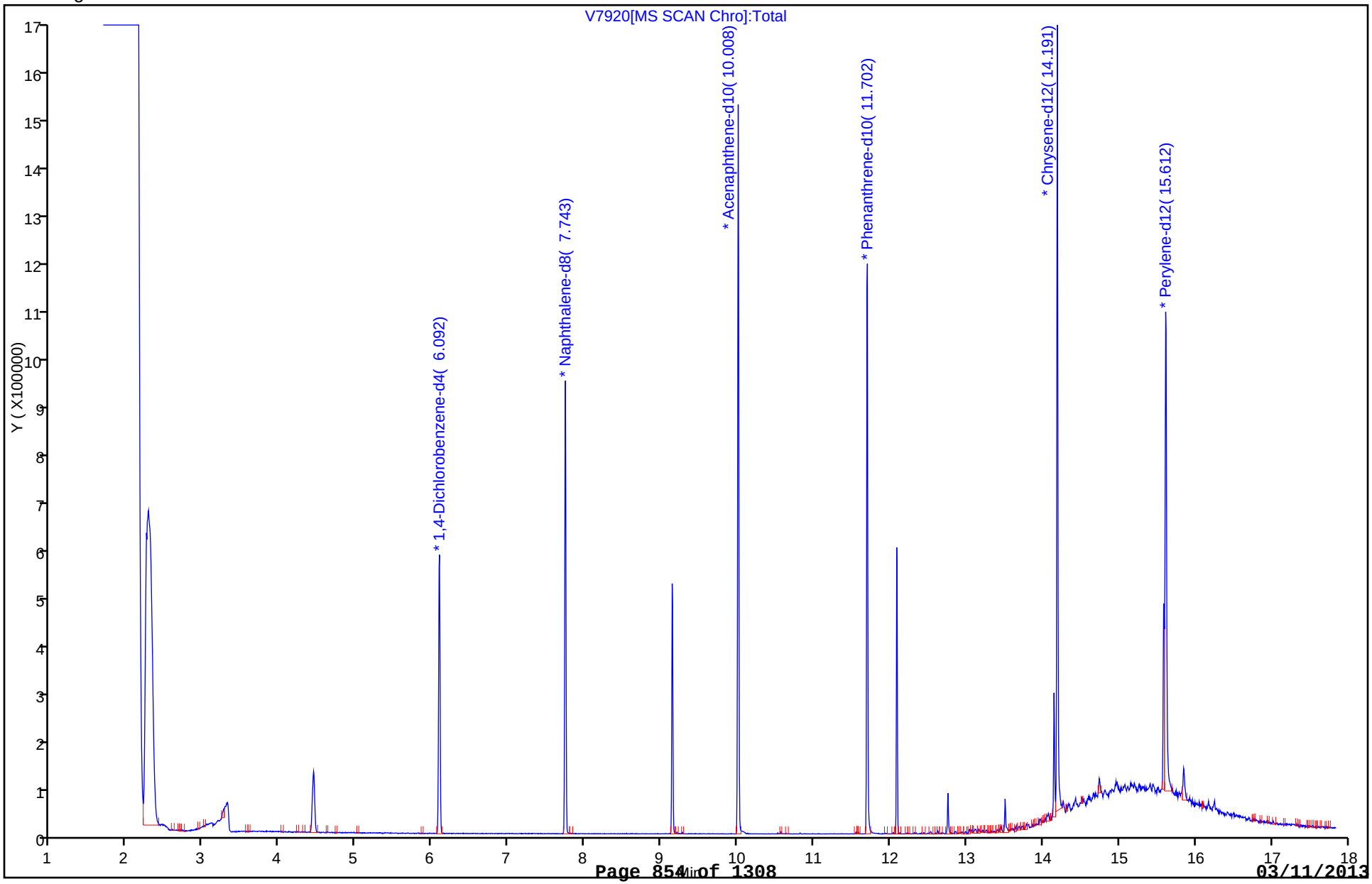
Processing Flags
9 - Failed A Reference Spectral Test

Report Date: 03-Jan-2013 10:13:15 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973V\20121229-17933.b\V7920.D		
Injection Date:	30-Dec-2012 00:09:30	Limit Group:	MB - 8270C ICAL
Client ID:	OC-SB-533-6.0/8.0-XXX	Instrument ID:	HP5973V
Lims Batch ID:	97808	Lims Sample ID:	28
Operator ID:	hl	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:



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

Lab Name: TestAmerica Buffalo Job No.: 480-30197-1 Analy Batch No.: 95638

SDG No.:

Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/13/2012 13:49 Calibration End Date: 12/13/2012 16:31 Calibration ID: 11615

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-95638/4	V7496.D
Level 2	IC 480-95638/5	V7497.D
Level 3	ICIS 480-95638/6	V7498.D
Level 4	IC 480-95638/7	V7504.D
Level 5	IC 480-95638/8	V7500.D
Level 6	IC 480-95638/9	V7501.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 3	LVL 4	LVL 5		B	M1	M2								
N-Nitrosodimethylamine	0.5395 0.5682	0.5565	0.4074	0.5808	0.5669	Ave		0.5365				12.0		15.0			
Pyridine	0.7170 0.8240	0.8329	0.6025	0.8650	0.8209	Ave		0.7770				13.0		15.0			
Phenol	1.5651 1.6076	1.5628	1.4746	1.6326	1.5874	Ave		1.5717				3.5		15.0			
Aniline	1.8947 1.8983	1.9142	1.8003	1.9690	1.8903	Ave		1.8945				2.9		15.0			
Bis(2-chloroethyl)ether	1.2842 1.2432	1.2489	1.1761	1.3173	1.2562	Ave		1.2543				3.8		15.0			
2-Chlorophenol	1.4477 1.4619	1.4366	1.3521	1.5099	1.4746	Ave		1.4471				3.7		15.0			
1,3-Dichlorobenzene	1.6099 1.5676	1.5564	1.4340	1.6109	1.5830	Ave		1.5603				4.2		15.0			
1,4-Dichlorobenzene	1.6926 1.6085	1.6092	1.4842	1.6548	1.6245	Ave		1.6123				4.4		15.0			
Benzyl alcohol	0.8255 0.9056	0.8750	0.8188	0.9093	0.8940	Ave		0.8714				4.6		15.0			
1,2-Dichlorobenzene	1.5356 1.5398	1.5099	1.3826	1.5721	1.5279	Ave		1.5113				4.4		15.0			
2-Methylphenol	1.1875 1.2191	1.2178	1.1403	1.2570	1.2156	Ave		1.2062				3.2		15.0			
bis (2-chloroisopropyl) ether	1.3682 1.3508	1.3754	1.3340	1.4756	1.3649	Ave		1.3782				3.6		15.0			
4-Methylphenol	1.2538 1.2986	1.2668	1.1989	1.3240	1.3027	Ave		1.2741				3.5		15.0			
N-Nitrosodi-n-propylamine	0.8488 0.9144	0.8969	0.8355	0.9337	0.9112	Ave		0.8901			0.0500	4.4		15.0			
Hexachloroethane	0.5681 0.5708	0.5788	0.5070	0.5827	0.5660	Ave		0.5622				4.9		15.0			

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.: 480-30197-1 Analy Batch No.: 95638

SDG No.:

Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/13/2012 13:49 Calibration End Date: 12/13/2012 16:31 Calibration ID: 11615

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 3	LVL 4	LVL 5		B	M1	M2								
Nitrobenzene	0.3383 0.3339	0.2743	0.3067	0.3443	0.3418	Ave		0.3232				8.5		15.0			
Isophorone	0.5905 0.5864	0.4798	0.5455	0.6036	0.5997	Ave		0.5676				8.4		15.0			
2-Nitrophenol	0.1902 0.1976	0.1639	0.1859	0.2009	0.2004	Ave		0.1898				7.4		15.0			
2,4-Dimethylphenol	0.3208 0.3433	0.2820	0.3082	0.3402	0.3444	Ave		0.3231				7.7		15.0			
Tetraethyl lead	0.1212 0.1004	0.1100	0.1088	0.1046	0.1021	Ave		0.1078				7.0		15.0			
Bis(2-chloroethoxy)methane	0.3708 0.3608	0.3694	0.3429	0.3732	0.3691	Ave		0.3644				3.1		15.0			
2,4-Dichlorophenol	0.2880 0.2953	0.2885	0.2698	0.3005	0.3001	Ave		0.2903				3.9		15.0			
Benzoic acid	0.2159 0.2597	0.2315	0.2129	0.2371	0.2673	Ave		0.2374				9.4		15.0			
1,2,4-Trichlorobenzene	0.3198 0.3125	0.3069	0.2811	0.3135	0.3142	Ave		0.3080				4.5		15.0			
Naphthalene	1.0859 1.0151	1.0351	0.9488	1.0502	1.0300	Ave		1.0275				4.4		15.0			
4-Chloroaniline	0.4278 0.4363	0.4341	0.4061	0.4483	0.4454	Ave		0.4330				3.5		15.0			
Hexachlorobutadiene	0.1786 0.1724	0.1673	0.1530	0.1714	0.1752	Ave		0.1696				5.3		15.0			
4-Chloro-3-methylphenol	0.2783 0.2960	0.2823	0.2645	0.2904	0.2979	Ave		0.2849				4.4		15.0			
2-Methylnaphthalene	0.7047 0.6816	0.6842	0.6257	0.6903	0.6575	Ave		0.6740				4.2		15.0			
Hexachlorocyclopentadiene	0.2932 0.2719	0.3133	0.3078	0.3271	0.3554	Ave		0.3115			0.0500	9.2		15.0			
2,4,6-Trichlorophenol	0.3018 0.2716	0.3233	0.3037	0.3350	0.3525	Ave		0.3146				9.1		15.0			
2,4,5-Trichlorophenol	0.3288 0.2990	0.3515	0.3307	0.3621	0.3876	Ave		0.3433				9.0		15.0			
2-Chloronaphthalene	1.1153 0.9037	1.1308	1.0266	1.1245	1.1200	Ave		1.0702				8.4		15.0			
2-Nitroaniline	0.2258 0.2340	0.2667	0.2581	0.2864	0.3078	Ave		0.2631				12.0		15.0			
Dimethyl phthalate	1.3475 1.0540	1.2969	1.1932	1.3084	1.3383	Ave		1.2564				9.0		15.0			

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.: 480-30197-1 Analy Batch No.: 95638

SDG No.:

Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/13/2012 13:49 Calibration End Date: 12/13/2012 16:31 Calibration ID: 11615

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 3	LVL 4	LVL 5		B	M1	M2								
2,6-Dinitrotoluene	0.2591 0.2486	0.2860	0.2780	0.3032	0.3251	Ave		0.2833				9.9		15.0			
Acenaphthylene	1.7093 1.4223	1.7475	1.6098	1.7631	1.7535	Ave		1.6676				8.0		15.0			
3-Nitroaniline	0.2920 0.3377	0.3320	0.3146	0.3455	0.3654	Ave		0.3312				7.7		15.0			
Acenaphthene	1.1305 1.0846	1.1079	1.0048	1.1069	1.1129	Ave		1.0913				4.1		15.0			
2,4-Dinitrophenol	0.0948 0.1541	0.1188	0.1341	0.1406	0.1691	Lin1	-0.794	0.1613			0.0500				0.9940		0.9900
4-Nitrophenol	0.1115 0.1531	0.1231	0.1283	0.1436	0.1680	Ave		0.1379			0.0500	15.0		15.0			
Dibenzofuran	1.6724 1.4911	1.5827	1.4346	1.5282	1.5385	Ave		1.5413				5.3		15.0			
2,4-Dinitrotoluene	0.3524 0.4097	0.3924	0.3777	0.4052	0.4373	Ave		0.3958				7.3		15.0			
Diethyl phthalate	1.2659 1.2010	1.2844	1.1745	1.2520	1.2366	Ave		1.2357				3.3		15.0			
Fluorene	1.3258 1.2481	1.2723	1.1707	1.2704	1.2752	Ave		1.2604				4.0		15.0			
4-Chlorophenyl phenyl ether	0.6312 0.5711	0.6073	0.5508	0.5910	0.5957	Ave		0.5912				4.7		15.0			
4-Nitroaniline	0.3244 0.3551	0.3498	0.3275	0.3516	0.3812	Ave		0.3482				6.0		15.0			
4,6-Dinitro-2-methylphenol	0.0930 0.1407	0.1099	0.1174	0.1302	0.1510	Lin1	-0.665	0.1456							0.9940		0.9900
N-Nitrosodiphenylamine	0.5299 0.5902	0.5346	0.5094	0.5974	0.5898	Ave		0.5585				6.8		15.0			
1,2-Diphenylhydrazine	1.1187 1.0540	1.1272	1.0442	1.1350	1.1208	Ave		1.1000				3.6		15.0			
4-Bromophenyl phenyl ether	0.2064 0.2157	0.2077	0.1918	0.2241	0.2235	Ave		0.2115				5.8		15.0			
Hexachlorobenzene	0.2552 0.2508	0.2377	0.2163	0.2521	0.2556	Ave		0.2446				6.3		15.0			
Pentachlorophenol	0.0903 0.1432	0.1017	0.1125	0.1288	0.1481	Lin1	-0.759	0.1457							0.9940		0.9900
Phenanthrene	1.1376 1.0627	1.0996	1.0339	1.1187	1.1015	Ave		1.0923				3.5		15.0			
Anthracene	1.1186 1.1109	1.0989	1.0459	1.1763	1.1523	Ave		1.1172				4.0		15.0			

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.: 480-30197-1 Analy Batch No.: 95638

SDG No.:

Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/13/2012 13:49 Calibration End Date: 12/13/2012 16:31 Calibration ID: 11615

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 3	LVL 4	LVL 5		B	M1	M2								
Carbazole	1.1164 1.1788	1.1134	1.0154	1.1777	1.1675	Ave		1.1282				5.6		15.0			
Di-n-butyl phthalate	1.2198 1.2909	1.2324	1.2244	1.3222	1.3838	Ave		1.2789				5.1		15.0			
Fluoranthene	1.1756 1.1658	1.1608	1.0955	1.1788	1.2405	Ave		1.1695				4.0		15.0			
Benzidine	0.5250 0.5680	0.5699	0.5670	0.5975	0.5666	Ave		0.5656				4.1		15.0			
Pyrene	1.2056 1.1389	1.2159	1.0951	1.2027	1.1711	Ave		1.1715				4.0		15.0			
Butyl benzyl phthalate	0.5376 0.5913	0.5886	0.5531	0.6213	0.6104	Ave		0.5837				5.6		15.0			
3,3'-Dimethylbenzidine	0.5752 0.6023	0.5805	0.5682	0.6054	0.6282	Ave		0.5933				3.8		15.0			
3,3'-Dichlorobenzidine	0.3925 0.4539	0.4388	0.4052	0.4615	0.4707	Ave		0.4371				7.2		15.0			
Bis(2-ethylhexyl) phthalate	0.7224 0.8244	0.8151	0.7710	0.8604	0.8478	Ave		0.8068				6.4		15.0			
Benz(a)anthracene	1.1399 1.1146	1.1604	1.0461	1.1687	1.1320	Ave		1.1269				3.9		15.0			
Chrysene	1.2293 1.0992	1.1916	1.0473	1.1396	1.1175	Ave		1.1374				5.7		15.0			
Di-n-octyl phthalate	1.0385 1.4007	1.2550	1.2348	1.4165	1.4110	Ave		1.2928				11.0		15.0			
Benzo(b)fluoranthene	0.8252 1.1487	0.9197	0.9579	1.0567	1.0712	Ave		0.9966				12.0		15.0			
Benzo(k)fluoranthene	1.2756 1.0896	1.3294	1.1409	1.2358	1.2152	Ave		1.2144				7.2		15.0			
Benzo(a)pyrene	0.8128 0.9564	0.8837	0.8949	0.9816	0.9823	Ave		0.9186				7.3		15.0			
Indeno(1,2,3-cd)pyrene	0.9949 1.2616	1.1423	1.1223	1.2606	1.2816	Ave		1.1772				9.5		15.0			
Dibenz(a,h)anthracene	0.8783 1.0878	0.9512	0.9643	1.0900	1.1150	Ave		1.0144				9.5		15.0			
Benzo(ghi)perylene	0.8467 0.9483	0.9856	0.9302	1.0114	0.9686	Ave		0.9485				6.0		15.0			
2-Fluorophenol	1.3304 1.3006	1.3009	0.9578	1.3805	1.3066	Ave		1.2628				12.0		15.0			
Phenol-d5	1.5070 1.4922	1.4951	1.4034	1.5385	1.4882	Ave		1.4874				3.0		15.0			

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.: 480-30197-1 Analy Batch No.: 95638

SDG No.:

Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/13/2012 13:49 Calibration End Date: 12/13/2012 16:31 Calibration ID: 11615

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 3	LVL 4	LVL 5		B	M1	M2								
Nitrobenzene-d5	0.3240 0.3307	0.2677	0.3037	0.3433	0.3381	Ave		0.3179				8.9		15.0			
2-Fluorobiphenyl	1.3122 1.0399	1.2978	1.1753	1.2891	1.2832	Ave		1.2329				8.6		15.0			
2,4,6-Tribromophenol	0.0880 0.1192	0.0950	0.0964	0.1130	0.1280	Ave		0.1066				15.0		15.0			
p-Terphenyl-d14	0.9161 0.8965	0.9377	0.8492	0.9371	0.9259	Ave		0.9104				3.7		15.0			

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.: 480-30197-1 Analy Batch No.: 95638

SDG No.:

Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/13/2012 13:49 Calibration End Date: 12/13/2012 16:31 Calibration ID: 11615

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-95638/4	V7496.D
Level 2	IC 480-95638/5	V7497.D
Level 3	ICIS 480-95638/6	V7498.D
Level 4	IC 480-95638/7	V7504.D
Level 5	IC 480-95638/8	V7500.D
Level 6	IC 480-95638/9	V7501.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
N-Nitrosodimethylamine	DCB	Ave	10804 339368	46827	116338	229436	297770	5.00 160	20.0	50.0	80.0	120
Pyridine	DCB	Ave	14360 492084	70083	172053	341730	431209	5.00 160	20.0	50.0	80.0	120
Phenol	DCB	Ave	31345 960117	131509	421119	644987	833797	5.00 160	20.0	50.0	80.0	120
Aniline	DCB	Ave	37946 1133731	161073	514131	777879	992894	5.00 160	20.0	50.0	80.0	120
Bis(2-chloroethyl)ether	DCB	Ave	25720 742489	105095	335880	520407	659818	5.00 160	20.0	50.0	80.0	120
2-Chlorophenol	DCB	Ave	28994 873058	120884	386140	596507	774546	5.00 160	20.0	50.0	80.0	120
1,3-Dichlorobenzene	DCB	Ave	32243 936225	130964	409541	636391	831516	5.00 160	20.0	50.0	80.0	120
1,4-Dichlorobenzene	DCB	Ave	33898 960616	135412	423875	653759	853272	5.00 160	20.0	50.0	80.0	120
Benzyl alcohol	DCB	Ave	16532 540871	73626	233850	359219	469598	5.00 160	20.0	50.0	80.0	120
1,2-Dichlorobenzene	DCB	Ave	30754 919584	127058	394850	621073	802536	5.00 160	20.0	50.0	80.0	120
2-Methylphenol	DCB	Ave	23782 728096	102479	325647	496585	638488	5.00 160	20.0	50.0	80.0	120
bis (2-chloroisopropyl) ether	DCB	Ave	27402 806702	115735	380984	582937	716951	5.00 160	20.0	50.0	80.0	120
4-Methylphenol	DCB	Ave	25110 775525	106594	342378	523053	684285	5.00 160	20.0	50.0	80.0	120
N-Nitrosodi-n-propylamine	DCB	Ave	17000 546073	75476	238620	368863	478631	5.00 160	20.0	50.0	80.0	120
Hexachloroethane	DCB	Ave	11377 340880	48707	144800	230199	297316	5.00 160	20.0	50.0	80.0	120
Nitrobenzene	NPT	Ave	26170 795301	112399	344911	538933	704522	5.00 160	20.0	50.0	80.0	120

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

Lab Name: TestAmerica Buffalo Job No.: 480-30197-1 Analy Batch No.: 95638

SDG No.:

Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/13/2012 13:49 Calibration End Date: 12/13/2012 16:31 Calibration ID: 11615

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Isophorone	NPT	Ave	45685 1396741	196620	613505	944977	1235847	5.00 160	20.0	50.0	80.0	120
2-Nitrophenol	NPT	Ave	14711 470798	67183	209031	314529	413081	5.00 160	20.0	50.0	80.0	120
2,4-Dimethylphenol	NPT	Ave	24817 817781	115557	346583	532539	709683	5.00 160	20.0	50.0	80.0	120
Tetraethyl lead	NPT	Ave	9373 239084	45075	122353	163746	210443	5.00 160	20.0	50.0	80.0	120
Bis(2-chloroethoxy)methane	NPT	Ave	28682 859505	151398	385591	584212	760759	5.00 160	20.0	50.0	80.0	120
2,4-Dichlorophenol	NPT	Ave	22276 703357	118230	303409	470438	618454	5.00 160	20.0	50.0	80.0	120
Benzoic acid	NPT	Ave	334110 1855737	569206	718293	1113682	1652911	100 480	120	150	240	360
1,2,4-Trichlorobenzene	NPT	Ave	24742 744471	125771	316133	490787	647453	5.00 160	20.0	50.0	80.0	120
Naphthalene	NPT	Ave	84008 2418079	424188	1067112	1644024	2122780	5.00 160	20.0	50.0	80.0	120
4-Chloroaniline	NPT	Ave	33097 1039183	177919	456678	701878	918032	5.00 160	20.0	50.0	80.0	120
Hexachlorobutadiene	NPT	Ave	13813 410618	68543	172034	268350	361140	5.00 160	20.0	50.0	80.0	120
4-Chloro-3-methylphenol	NPT	Ave	21529 705012	115698	297427	454558	613928	5.00 160	20.0	50.0	80.0	120
2-Methylnaphthalene	NPT	Ave	54518 1623577	280381	703648	1080581	1354985	5.00 160	20.0	50.0	80.0	120
Hexachlorocyclopentadiene	ANT	Ave	13642 482293	76009	207412	306257	419268	5.00 160	20.0	50.0	80.0	120
2,4,6-Trichlorophenol	ANT	Ave	14040 481772	78435	204675	313589	415885	5.00 160	20.0	50.0	80.0	120
2,4,5-Trichlorophenol	ANT	Ave	15295 530348	85286	222860	338998	457324	5.00 160	20.0	50.0	80.0	120
2-Chloronaphthalene	ANT	Ave	51885 1603083	274375	691782	1052717	1321365	5.00 160	20.0	50.0	80.0	120
2-Nitroaniline	ANT	Ave	10504 415117	64721	173915	268155	363137	5.00 160	20.0	50.0	80.0	120
Dimethyl phthalate	ANT	Ave	62691 1869571	314660	804094	1224824	1578820	5.00 160	20.0	50.0	80.0	120
2,6-Dinitrotoluene	ANT	Ave	12055 440895	69390	187365	283826	383515	5.00 160	20.0	50.0	80.0	120
Acenaphthylene	ANT	Ave	79520 2522992	424005	1084803	1650503	2068663	5.00 160	20.0	50.0	80.0	120

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

Lab Name: TestAmerica Buffalo Job No.: 480-30197-1 Analy Batch No.: 95638

SDG No.:

Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/13/2012 13:49 Calibration End Date: 12/13/2012 16:31 Calibration ID: 11615

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
3-Nitroaniline	ANT	Ave	13584 598982	80542	211967	323440	431098	5.00 160	20.0	50.0	80.0	120
Acenaphthene	ANT	Ave	52596 1923917	268814	677096	1036239	1312930	5.00 160	20.0	50.0	80.0	120
2,4-Dinitrophenol	ANT	Lin1	8820 273283	28822	90362	131649	199521	10.0 160	20.0	50.0	80.0	120
4-Nitrophenol	ANT	Ave	10373 271612	29871	86461	134385	198209	10.0 160	20.0	50.0	80.0	120
Dibenzofuran	ANT	Ave	77806 2644926	384007	966751	1430651	1815071	5.00 160	20.0	50.0	80.0	120
2,4-Dinitrotoluene	ANT	Ave	16394 726802	95214	254506	379326	515917	5.00 160	20.0	50.0	80.0	120
Diethyl phthalate	ANT	Ave	58895 2130472	311628	791442	1172067	1458870	5.00 160	20.0	50.0	80.0	120
Fluorene	ANT	Ave	61679 2213929	308700	788895	1189302	1504429	5.00 160	20.0	50.0	80.0	120
4-Chlorophenyl phenyl ether	ANT	Ave	29363 1013117	147352	371184	553309	702780	5.00 160	20.0	50.0	80.0	120
4-Nitroaniline	ANT	Ave	15090 629914	84873	220660	329108	449753	5.00 160	20.0	50.0	80.0	120
4,6-Dinitro-2-methylphenol	PHN	Lin1	13992 368198	43439	126415	181241	268734	10.0 160	20.0	50.0	80.0	120
N-Nitrosodiphenylamine	PHN	Ave	39861 1543875	211302	548544	831444	1049260	5.00 160	20.0	50.0	80.0	120
1,2-Diphenylhydrazine	ANT	Ave	52047 1869658	273490	703637	1062504	1322296	5.00 160	20.0	50.0	80.0	120
4-Bromophenyl phenyl ether	PHN	Ave	15525 564285	82079	206525	311902	397667	5.00 160	20.0	50.0	80.0	120
Hexachlorobenzene	PHN	Ave	19194 655968	93962	232966	350848	454777	5.00 160	20.0	50.0	80.0	120
Pentachlorophenol	PHN	Lin1	13582 374695	40202	121163	179306	263542	10.0 160	20.0	50.0	80.0	120
Phenanthrene	PHN	Ave	85577 2780079	434588	1113396	1556892	1959741	5.00 160	20.0	50.0	80.0	120
Anthracene	PHN	Ave	84147 2906015	434345	1126314	1637142	2050029	5.00 160	20.0	50.0	80.0	120
Carbazole	PHN	Ave	83984 3083784	440053	1093418	1639050	2077166	5.00 160	20.0	50.0	80.0	120
Di-n-butyl phthalate	PHN	Ave	91759 3377105	487090	1318461	1840207	2462012	5.00 160	20.0	50.0	80.0	120
Fluoranthene	PHN	Ave	88435 3049852	458810	1179696	1640576	2207065	5.00 160	20.0	50.0	80.0	120

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

Lab Name: TestAmerica Buffalo Job No.: 480-30197-1 Analy Batch No.: 95638

SDG No.:

Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/13/2012 13:49 Calibration End Date: 12/13/2012 16:31 Calibration ID: 11615

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Benzidine	CRY	Ave	39955 1558193	221810	625124	839267	1094145	5.00 160	20.0	50.0	80.0	120
Pyrene	CRY	Ave	91754 3124486	473258	1207361	1689457	2261540	5.00 160	20.0	50.0	80.0	120
Butyl benzyl phthalate	CRY	Ave	40916 1622133	229096	609846	872739	1178719	5.00 160	20.0	50.0	80.0	120
3,3'-Dimethylbenzidine	PHN	Ave	43270 1575713	229425	611822	842601	1117703	5.00 160	20.0	50.0	80.0	120
3,3'-Dichlorobenzidine	CRY	Ave	29872 1245202	170791	446772	648280	908903	5.00 160	20.0	50.0	80.0	120
Bis(2-ethylhexyl) phthalate	CRY	Ave	54980 2261591	317252	850111	1208614	1637132	5.00 160	20.0	50.0	80.0	120
Benz(a)anthracene	CRY	Ave	86750 3057778	451655	1153352	1641739	2185987	5.00 160	20.0	50.0	80.0	120
Chrysene	CRY	Ave	93556 3015539	463824	1154742	1600839	2157987	5.00 160	20.0	50.0	80.0	120
Di-n-octyl phthalate	CRY	Ave	79038 3842645	488469	1361465	1989789	2724844	5.00 160	20.0	50.0	80.0	120
Benzo(b)fluoranthene	PRY	Ave	67588 3476132	383419	1091607	1574791	2237271	5.00 160	20.0	50.0	80.0	120
Benzo(k)fluoranthene	PRY	Ave	104485 3297564	554247	1300085	1841679	2537885	5.00 160	20.0	50.0	80.0	120
Benzo(a)pyrene	PRY	Ave	66577 2894318	368441	1019802	1462790	2051562	5.00 160	20.0	50.0	80.0	120
Indeno(1,2,3-cd)pyrene	PRY	Ave	81490 3817892	476247	1278990	1878540	2676692	5.00 160	20.0	50.0	80.0	120
Dibenz(a,h)anthracene	PRY	Ave	71944 3291850	396571	1098830	1624314	2328622	5.00 160	20.0	50.0	80.0	120
Benzo(ghi)perylene	PRY	Ave	69350 2869746	410923	1059976	1507172	2022996	5.00 160	20.0	50.0	80.0	120
2-Fluorophenol	DCB	Ave	26644 776758	109465	273520	545376	686295	5.00 160	20.0	50.0	80.0	120
Phenol-d5	DCB	Ave	30182 891147	125807	400793	607804	781697	5.00 160	20.0	50.0	80.0	120
Nitrobenzene-d5	NPT	Ave	25068 787800	109718	341590	537374	696808	5.00 160	20.0	50.0	80.0	120
2-Fluorobiphenyl	ANT	Ave	61047 1844626	314896	791980	1206751	1513868	5.00 160	20.0	50.0	80.0	120
2,4,6-Tribromophenol	PHN	Ave	6619 311865	37543	103813	157218	227791	5.00 160	20.0	50.0	80.0	120
p-Terphenyl-d14	CRY	Ave	69718 2459599	364987	936290	1316302	1787985	5.00 160	20.0	50.0	80.0	120

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

Lab Name: TestAmerica Buffalo Job No.: 480-30197-1 Analy Batch No.: 95638

SDG No.:

Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/13/2012 13:49 Calibration End Date: 12/13/2012 16:31 Calibration ID: 11615

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973V\20121213-17520.b\V7496.D		
Lims ID:	IC 5 - 8270	Client ID:	
Inject. Date:	13-Dec-2012 13:49:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	5 PT		
Misc. Info.:			
Operator:	hl	Instrument ID:	HP5973V
Injection Vol:	1.0 ul	ALS Bottle#:	12
Lims Batch ID:	95638	Lims Sample ID:	4
Sublist:	chrom-V-8270*sub31		
Detector:	MS SCAN		

Method:	\\Bufchrom\ChromData\HP5973V\20121213-17520.b\V-8270.m		
Last Update:	14-Dec-2012 09:44:14	Calib Date:	13-Dec-2012 16:31:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973V\20121213-17520.b\V7504.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm
Process Host:	XAWRK024		

First Level Reviewer: lyh Date: 14-Dec-2012 09:44:14

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.092	6.092	0.0	93	160219	40.0	
* 2 Naphthalene-d8	136	7.743	7.743	0.0	99	618883	40.0	
* 3 Acenaphthene-d10	164	10.008	10.008	0.0	91	372182	40.0	
* 4 Phenanthrene-d10	188	11.696	11.696	0.0	97	601797	40.0	
* 5 Chrysene-d12	240	14.186	14.191	-0.005	98	608837	40.0	
* 6 Perylene-d12	264	15.602	15.607	-0.005	98	655271	40.0	
$ 7 2-Fluorophenol	112	4.399	4.399	0.0	54	26644	5.27	
$ 8 Phenol-d5	99	5.596	5.601	-0.005	85	30182	5.07	
$ 9 Nitrobenzene-d5	82	6.808	6.814	-0.006	67	25068	5.10	
$ 10 2-Fluorobiphenyl	172	9.148	9.148	0.0	86	61047	5.32	
$ 11 2,4,6-Tribromophenol	330	10.943	10.949	-0.006	20	6619	4.13	
$ 12 p-Terphenyl-d14	244	13.235	13.235	0.0	86	69718	5.03	
69 N-Nitrosodimethylamine	42	2.871	2.866	0.005	67	10804	5.03	M
70 Pyridine	52	2.930	2.925	0.005	89	14360	4.61	M
81 Phenol	94	5.612	5.617	-0.005	91	31345	4.98	
82 Aniline	93	5.660	5.665	-0.005	89	37946	5.00	
83 Bis(2-chloroethyl)ether	93	5.745	5.745	0.0	63	25720	5.12	
84 2-Chlorophenol	128	5.809	5.815	-0.006	78	28994	5.00	
87 1,3-Dichlorobenzene	146	6.012	6.018	-0.006	89	32243	5.16	
88 1,4-Dichlorobenzene	146	6.114	6.114	0.0	56	33898	5.25	
90 Benzyl alcohol	108	6.269	6.269	0.0	85	16532	4.74	
91 1,2-Dichlorobenzene	146	6.306	6.306	0.0	89	30754	5.08	
92 2-Methylphenol	108	6.408	6.413	-0.005	76	23782	4.92	
93 2,2'-oxybis[1-chloropropane]	45	6.450	6.450	0.0	76	27402	4.96	
96 4-Methylphenol	108	6.611	6.616	-0.005	90	25110	4.92	
95 N-Nitrosodi-n-propylamine	70	6.616	6.616	0.0	78	17000	4.77	
99 Hexachloroethane	117	6.744	6.744	0.0	79	11377	5.05	
102 Nitrobenzene	77	6.830	6.835	-0.005	75	26170	5.23	
106 Isophorone	82	7.145	7.150	-0.005	90	45685	5.20	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
107 2-Nitrophenol	139	7.252	7.252	0.0	72	14711	5.01	
108 2,4-Dimethylphenol	107	7.310	7.311	-0.001	77	24817	4.96	
110 Tetraethyl lead	237	7.358	7.359	-0.001	84	9373	5.62	
111 Bis(2-chloroethoxy)methane	93	7.439	7.439	0.0	90	28682	5.09	
115 Benzoic acid	105	7.503	7.530	-0.027	81	334110	91.0	
114 2,4-Dichlorophenol	162	7.561	7.562	-0.001	72	22276	4.96	
117 1,2,4-Trichlorobenzene	180	7.668	7.674	-0.006	80	24742	5.19	
118 Naphthalene	128	7.770	7.775	-0.005	90	84008	5.28	
119 4-Chloroaniline	127	7.850	7.850	0.0	80	33097	4.94	
121 Hexachlorobutadiene	225	7.935	7.936	-0.001	77	13813	5.26	
129 4-Chloro-3-methylphenol	107	8.480	8.480	0.0	74	21529	4.88	
131 2-Methylnaphthalene	142	8.667	8.673	-0.006	83	54518	5.23	
134 Hexachlorocyclopentadiene	237	8.870	8.870	0.0	59	13642	4.71	
137 2,4,6-Trichlorophenol	196	9.036	9.036	0.0	60	14040	4.80	
138 2,4,5-Trichlorophenol	196	9.084	9.079	0.005	80	15295	4.79	
141 2-Chloronaphthalene	162	9.298	9.298	0.0	92	51885	5.21	
143 2-Nitroaniline	65	9.437	9.442	-0.005	43	10504	4.29	
146 Dimethyl phthalate	163	9.682	9.688	-0.006	94	62691	5.36	
149 2,6-Dinitrotoluene	165	9.757	9.763	-0.006	70	12055	4.57	
150 Acenaphthylene	152	9.827	9.832	-0.005	87	79520	5.13	
151 3-Nitroaniline	138	9.971	9.976	-0.005	80	13584	4.41	
152 Acenaphthene	153	10.051	10.051	0.0	87	52596	5.18	
153 2,4-Dinitrophenol	184	10.099	10.105	-0.005	42	8820	10.8	
154 4-Nitrophenol	109	10.195	10.195	0.0	63	10373	8.08	
155 Dibenzofuran	168	10.259	10.265	-0.006	82	77806	5.43	
156 2,4-Dinitrotoluene	165	10.259	10.265	-0.006	92	16394	4.45	
161 Diethyl phthalate	149	10.548	10.559	-0.011	91	58895	5.12	
162 Fluorene	166	10.671	10.671	0.0	82	61679	5.26	
163 4-Chlorophenyl phenyl ether	204	10.671	10.676	-0.005	86	29363	5.34	
164 4-Nitroaniline	138	10.703	10.714	-0.011	74	15090	4.66	
165 4,6-Dinitro-2-methylphenol	198	10.735	10.740	-0.005	76	13992	11.0	
168 N-Nitrosodiphenylamine	169	10.810	10.815	-0.005	46	39861	4.74	
170 1,2-Diphenylhydrazine	77	10.852	10.858	-0.006	97	52047	5.09	
175 4-Bromophenyl phenyl ether	248	11.221	11.226	-0.005	44	15525	4.88	
179 Hexachlorobenzene	284	11.280	11.285	-0.005	79	19194	5.22	
183 Pentachlorophenol	266	11.499	11.504	-0.005	52	13582	11.4	
188 Phenanthrene	178	11.723	11.723	0.0	90	85577	5.21	
189 Anthracene	178	11.777	11.777	0.0	90	84147	5.01	
192 Carbazole	167	11.942	11.948	-0.006	74	83984	4.95	
195 Di-n-butyl phthalate	149	12.284	12.284	0.0	97	91759	4.77	
201 Fluoranthene	202	12.893	12.893	0.0	92	88435	5.03	
202 Benzidine	184	13.016	13.016	0.0	74	39955	4.64	
204 Pyrene	202	13.101	13.107	-0.006	97	91754	5.15	
210 Butyl benzyl phthalate	149	13.662	13.662	0.0	91	40916	4.61	
209 3,3'-Dimethylbenzidine	212	13.662	13.668	-0.006	77	43270	4.85	
215 3,3'-Dichlorobenzidine	252	14.143	14.143	0.0	36	29872	4.49	
216 Bis(2-ethylhexyl) phthalate	149	14.148	14.149	-0.001	93	54980	4.48	
217 Benzo[a]anthracene	228	14.175	14.175	0.0	96	86750	5.06	
218 Chrysene	228	14.207	14.213	-0.006	89	93556	5.40	
220 Di-n-octyl phthalate	149	14.725	14.726	-0.001	92	79038	4.02	
221 Benzo[b]fluoranthene	252	15.190	15.196	-0.006	86	67588	4.14	
222 Benzo[k]fluoranthene	252	15.217	15.222	-0.005	94	104485	5.25	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
225 Benzo[a]pyrene	252	15.537	15.543	-0.006	50	66577	4.42	
227 Indeno[1,2,3-cd]pyrene	276	16.894	16.900	-0.006	93	81490	4.23	
228 Dibenz(a,h)anthracene	278	16.900	16.911	-0.011	20	71944	4.33	
229 Benzo[g,h,i]perylene	276	17.268	17.279	-0.011	76	69350	4.46	
S 232 Total Cresols	1				0		9.84	
S 233 3-Methylphenol	1				0		4.92	
S 234 3 & 4 Methylphenol	108				0		4.92	

QC Flag Legend

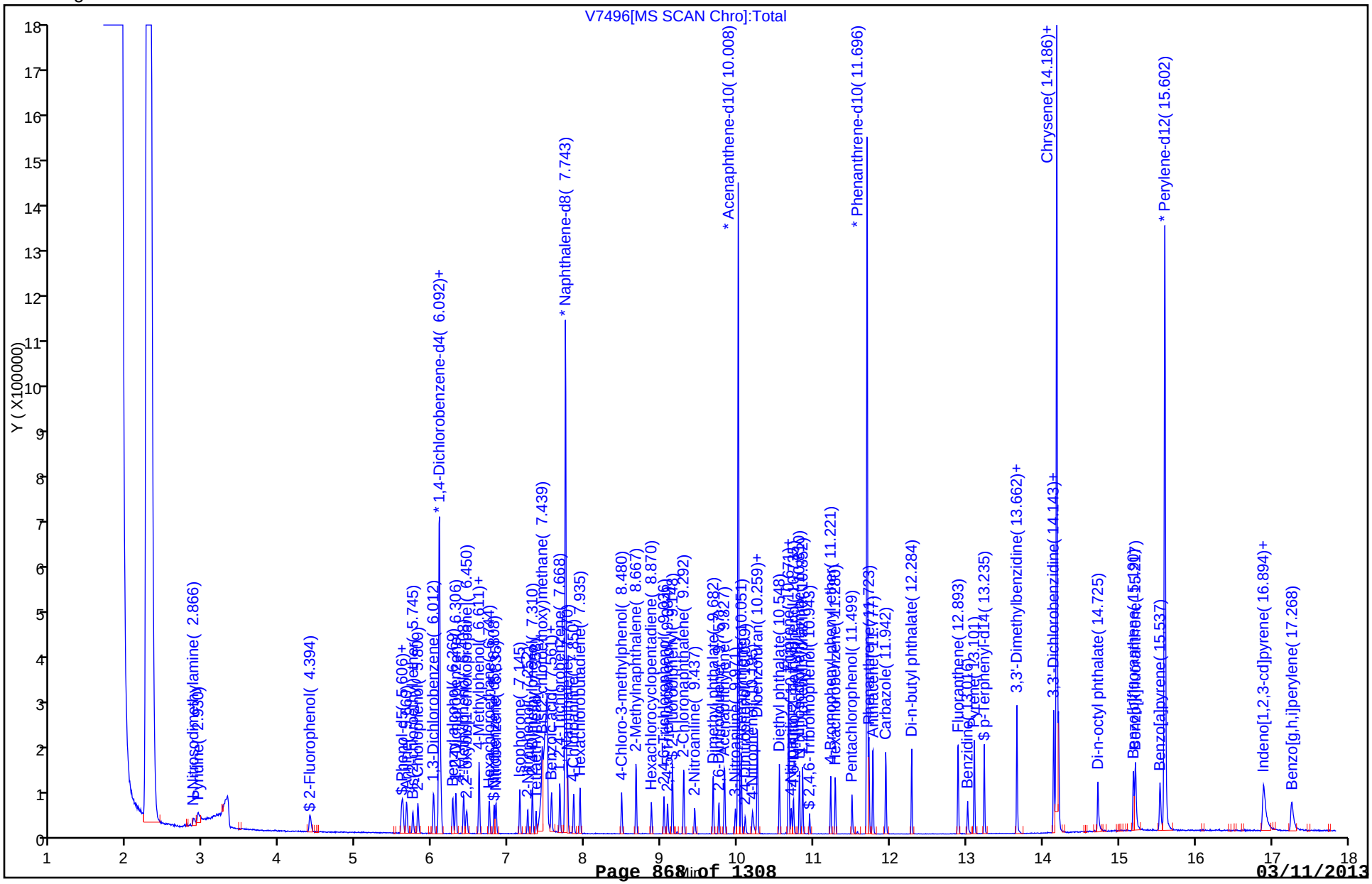
Review Flags
M - Manually Integrated

Report Date: 14-Dec-2012 09:44:14 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973V\20121213-17520.b\V7496.D		
Injection Date:	13-Dec-2012 13:49:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	95638	Lims Sample ID:	4
Operator ID:	hl	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:



Manual Integration/User Assign Peak Report

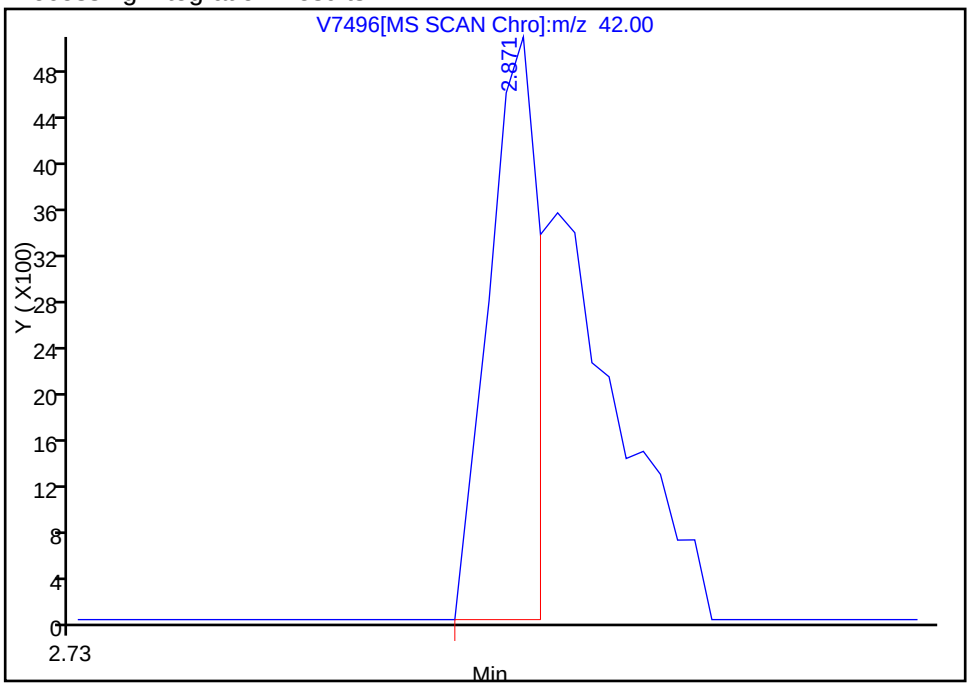
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973V\20121213-17520.b\V7496.D		
Injection Date:	13-Dec-2012 13:49:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	95638	Lims Sample ID:	4
Operator ID:	hl	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

69 N-Nitrosodimethylamine, Signal: 1, m/z: 42.0 Type: quant, RT: 2.87

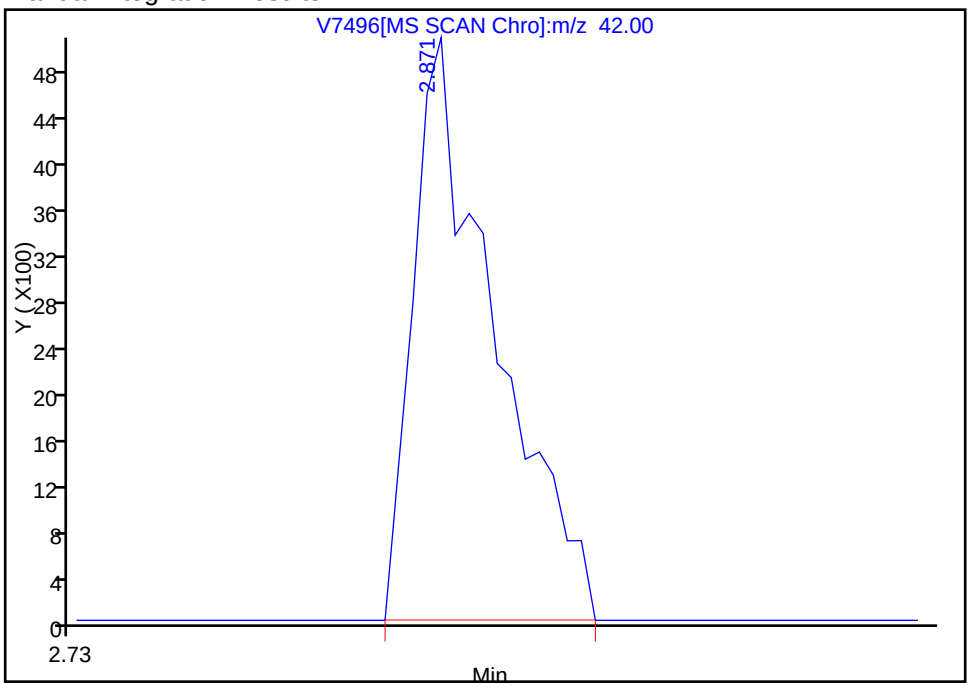
Processing Integration Results

RT: 2.87
Response: 5471
Amount: 3.292614



Manual Integration Results

RT: 2.87
Response: 10804
Amount: 5.027252



Reviewer: lyh, 13-Dec-2012 14:55:33
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

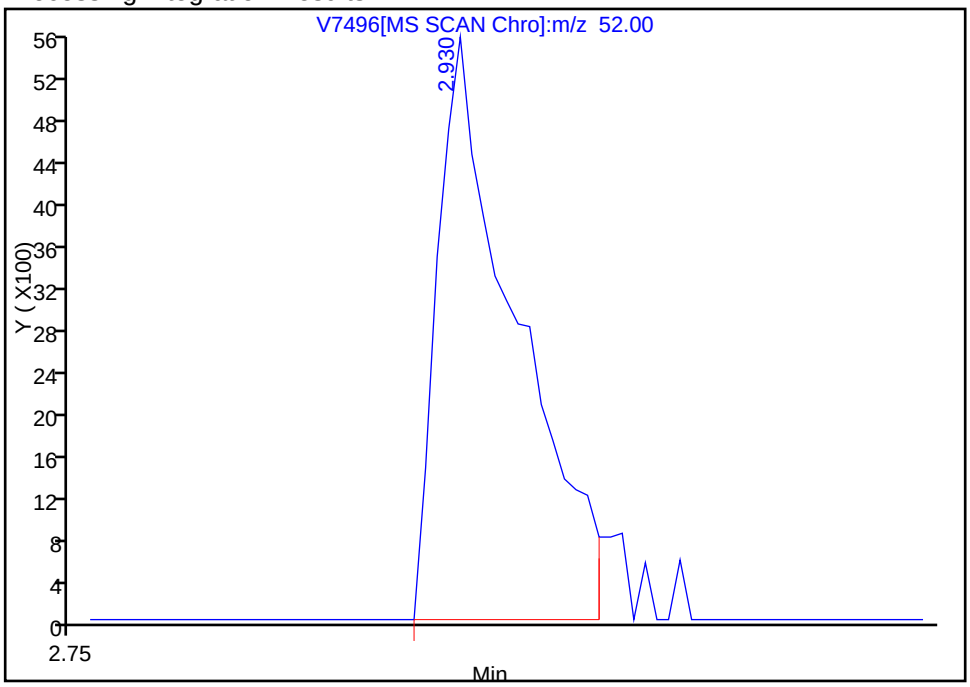
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973V\20121213-17520.b\V7496.D		
Injection Date:	13-Dec-2012 13:49:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	95638	Lims Sample ID:	4
Operator ID:	hl	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

70 Pyridine, Signal: 1, m/z: 52.0 Type: quant, RT: 2.92

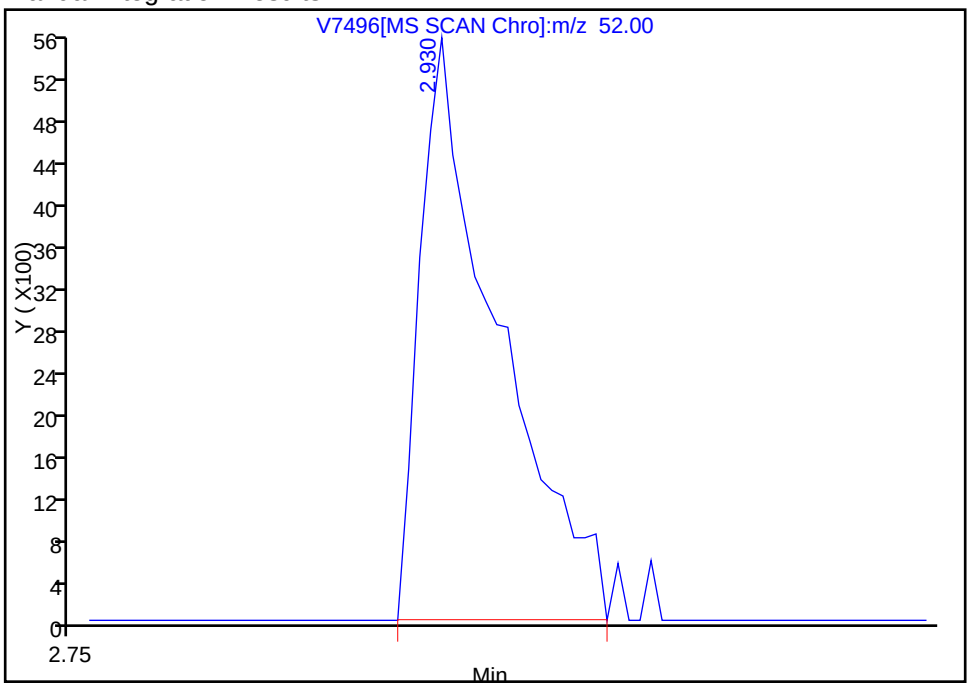
Processing Integration Results

RT: 2.93
Response: 13885
Amount: 4.542781



Manual Integration Results

RT: 2.93
Response: 14360
Amount: 4.613778



Reviewer: lyh, 13-Dec-2012 14:55:33
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973V\20121213-17520.b\V7497.D		
Lims ID:	IC 20 - 8270	Client ID:	
Inject. Date:	13-Dec-2012 14:26:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	480-0017520-005		
Misc. Info.:			
Operator:	hl	Instrument ID:	HP5973V
Injection Vol:	1.0 ul	ALS Bottle#:	13
Lims Batch ID:	95638	Lims Sample ID:	5
Sublist:	chrom-V-8270*sub31		
Detector:	MS SCAN		

Method:	\\Bufchrom\ChromData\HP5973V\20121213-17520.b\V-8270.m		
Last Update:	14-Dec-2012 09:44:19	Calib Date:	13-Dec-2012 16:31:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973V\20121213-17520.b\V7504.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm
Process Host:	XAWRK024		

First Level Reviewer: lyh Date: 14-Dec-2012 09:42:46

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.092	6.092	0.0	93	168295	40.0	
* 2 Naphthalene-d8	136	7.749	7.743	0.006	98	819625	40.0	
* 3 Acenaphthene-d10	164	10.014	10.008	0.006	88	485265	40.0	
* 4 Phenanthrene-d10	188	11.702	11.696	0.006	97	790473	40.0	
* 5 Chrysene-d12	240	14.191	14.191	0.0	98	778457	40.0	
* 6 Perylene-d12	264	15.607	15.607	0.0	98	833821	40.0	
$ 7 2-Fluorophenol	112	4.399	4.399	0.0	78	109465	20.6	
$ 8 Phenol-d5	99	5.601	5.601	0.0	94	125807	20.1	
$ 9 Nitrobenzene-d5	82	6.808	6.814	-0.006	82	109718	16.8	
$ 10 2-Fluorobiphenyl	172	9.148	9.148	0.0	99	314896	21.1	
$ 11 2,4,6-Tribromophenol	330	10.949	10.949	0.0	87	37543	17.8	
$ 12 p-Terphenyl-d14	244	13.235	13.235	0.0	97	364987	20.6	
69 N-Nitrosodimethylamine	42	2.871	2.866	0.005	79	46827	20.7	M
70 Pyridine	52	2.924	2.925	-0.001	91	70083	21.4	M
81 Phenol	94	5.617	5.617	0.0	98	131509	19.9	
82 Aniline	93	5.665	5.665	0.0	97	161073	20.2	
83 Bis(2-chloroethyl)ether	93	5.745	5.745	0.0	96	105095	19.9	
84 2-Chlorophenol	128	5.815	5.815	0.0	91	120884	19.9	
87 1,3-Dichlorobenzene	146	6.018	6.018	0.0	97	130964	19.9	
88 1,4-Dichlorobenzene	146	6.114	6.114	0.0	93	135412	20.0	
90 Benzyl alcohol	108	6.269	6.269	0.0	95	73626	20.1	
91 1,2-Dichlorobenzene	146	6.311	6.306	0.005	96	127058	20.0	
92 2-Methylphenol	108	6.413	6.413	0.0	92	102479	20.2	
93 2,2'-oxybis[1-chloropropane]	45	6.450	6.450	0.0	88	115735	20.0	
96 4-Methylphenol	108	6.611	6.616	-0.005	95	106594	19.9	
95 N-Nitrosodi-n-propylamine	70	6.616	6.616	0.0	81	75476	20.2	
99 Hexachloroethane	117	6.744	6.744	0.0	96	48707	20.6	
102 Nitrobenzene	77	6.835	6.835	0.0	81	112399	17.0	
106 Isophorone	82	7.150	7.150	0.0	96	196620	16.9	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
107 2-Nitrophenol	139	7.252	7.252	0.0	87	67183	17.3	
108 2,4-Dimethylphenol	107	7.310	7.311	-0.001	92	115557	17.5	
110 Tetraethyl lead	237	7.359	7.359	0.0	88	45075	20.4	
111 Bis(2-chloroethoxy)methane	93	7.439	7.439	0.0	99	151398	20.3	
115 Benzoic acid	105	7.519	7.530	-0.011	82	569206	117.0	
114 2,4-Dichlorophenol	162	7.562	7.562	0.0	90	118230	19.9	
117 1,2,4-Trichlorobenzene	180	7.674	7.674	0.0	92	125771	19.9	
118 Naphthalene	128	7.775	7.775	0.0	83	424188	20.1	
119 4-Chloroaniline	127	7.850	7.850	0.0	88	177919	20.1	
121 Hexachlorobutadiene	225	7.936	7.936	0.0	93	68543	19.7	
129 4-Chloro-3-methylphenol	107	8.480	8.480	0.0	89	115698	19.8	
131 2-Methylnaphthalene	142	8.673	8.673	0.0	87	280381	20.3	
134 Hexachlorocyclopentadiene	237	8.876	8.870	0.006	88	76009	20.1	
137 2,4,6-Trichlorophenol	196	9.036	9.036	0.0	87	78435	20.5	
138 2,4,5-Trichlorophenol	196	9.084	9.079	0.005	95	85286	20.5	
141 2-Chloronaphthalene	162	9.298	9.298	0.0	94	274375	21.1	
143 2-Nitroaniline	65	9.442	9.442	0.0	88	64721	20.3	
146 Dimethyl phthalate	163	9.682	9.688	-0.006	99	314660	20.6	
149 2,6-Dinitrotoluene	165	9.763	9.763	0.0	93	69390	20.2	
150 Acenaphthylene	152	9.832	9.832	0.0	89	424005	21.0	
151 3-Nitroaniline	138	9.971	9.976	-0.005	95	80542	20.0	
152 Acenaphthene	153	10.051	10.051	0.0	94	268814	20.3	
153 2,4-Dinitrophenol	184	10.104	10.105	0.0	73	28822	19.6	
154 4-Nitrophenol	109	10.195	10.195	0.0	79	29871	17.9	
155 Dibenzofuran	168	10.265	10.265	0.0	88	384007	20.5	
156 2,4-Dinitrotoluene	165	10.259	10.265	-0.006	95	95214	19.8	
161 Diethyl phthalate	149	10.553	10.559	-0.006	98	311628	20.8	
162 Fluorene	166	10.671	10.671	0.0	83	308700	20.2	
163 4-Chlorophenyl phenyl ether	204	10.676	10.676	0.0	92	147352	20.5	
164 4-Nitroaniline	138	10.708	10.714	-0.006	87	84873	20.1	
165 4,6-Dinitro-2-methylphenol	198	10.740	10.740	0.0	74	43439	19.7	
168 N-Nitrosodiphenylamine	169	10.815	10.815	0.0	56	211302	19.1	
170 1,2-Diphenylhydrazine	77	10.858	10.858	0.0	95	273490	20.5	
175 4-Bromophenyl phenyl ether	248	11.226	11.226	0.0	60	82079	19.6	
179 Hexachlorobenzene	284	11.285	11.285	0.0	88	93962	19.4	
183 Pentachlorophenol	266	11.504	11.504	0.0	80	40202	19.2	
188 Phenanthrene	178	11.723	11.723	0.0	95	434588	20.1	
189 Anthracene	178	11.777	11.777	0.0	97	434345	19.7	
192 Carbazole	167	11.948	11.948	0.0	82	440053	19.7	
195 Di-n-butyl phthalate	149	12.284	12.284	0.0	100	487090	19.3	
201 Fluoranthene	202	12.893	12.893	0.0	98	458810	19.9	
202 Benzidine	184	13.016	13.016	0.0	97	221810	20.1	
204 Pyrene	202	13.107	13.107	0.0	97	473258	20.8	
210 Butyl benzyl phthalate	149	13.662	13.662	0.0	96	229096	20.2	
209 3,3'-Dimethylbenzidine	212	13.668	13.668	0.0	95	229425	19.6	
215 3,3'-Dichlorobenzidine	252	14.143	14.143	0.0	67	170791	20.1	
216 Bis(2-ethylhexyl) phthalate	149	14.149	14.149	0.0	94	317252	20.2	
217 Benzo[a]anthracene	228	14.175	14.175	0.0	94	451655	20.6	
218 Chrysene	228	14.213	14.213	0.0	93	463824	21.0	
220 Di-n-octyl phthalate	149	14.726	14.726	0.0	99	488469	19.4	
221 Benzo[b]fluoranthene	252	15.196	15.196	0.0	93	383419	18.5	
222 Benzo[k]fluoranthene	252	15.222	15.222	0.0	95	554247	21.9	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
225 Benzo[a]pyrene	252	15.543	15.543	0.0	73	368441	19.2	
227 Indeno[1,2,3-cd]pyrene	276	16.900	16.900	0.0	94	476247	19.4	
228 Dibenz(a,h)anthracene	278	16.905	16.911	-0.006	52	396571	18.8	
229 Benzo[g,h,i]perylene	276	17.274	17.279	-0.005	91	410923	20.8	
S 232 Total Cresols	1				0		40.1	
S 233 3-Methylphenol	1				0		19.9	
S 234 3 & 4 Methylphenol	108				0		19.9	

QC Flag Legend

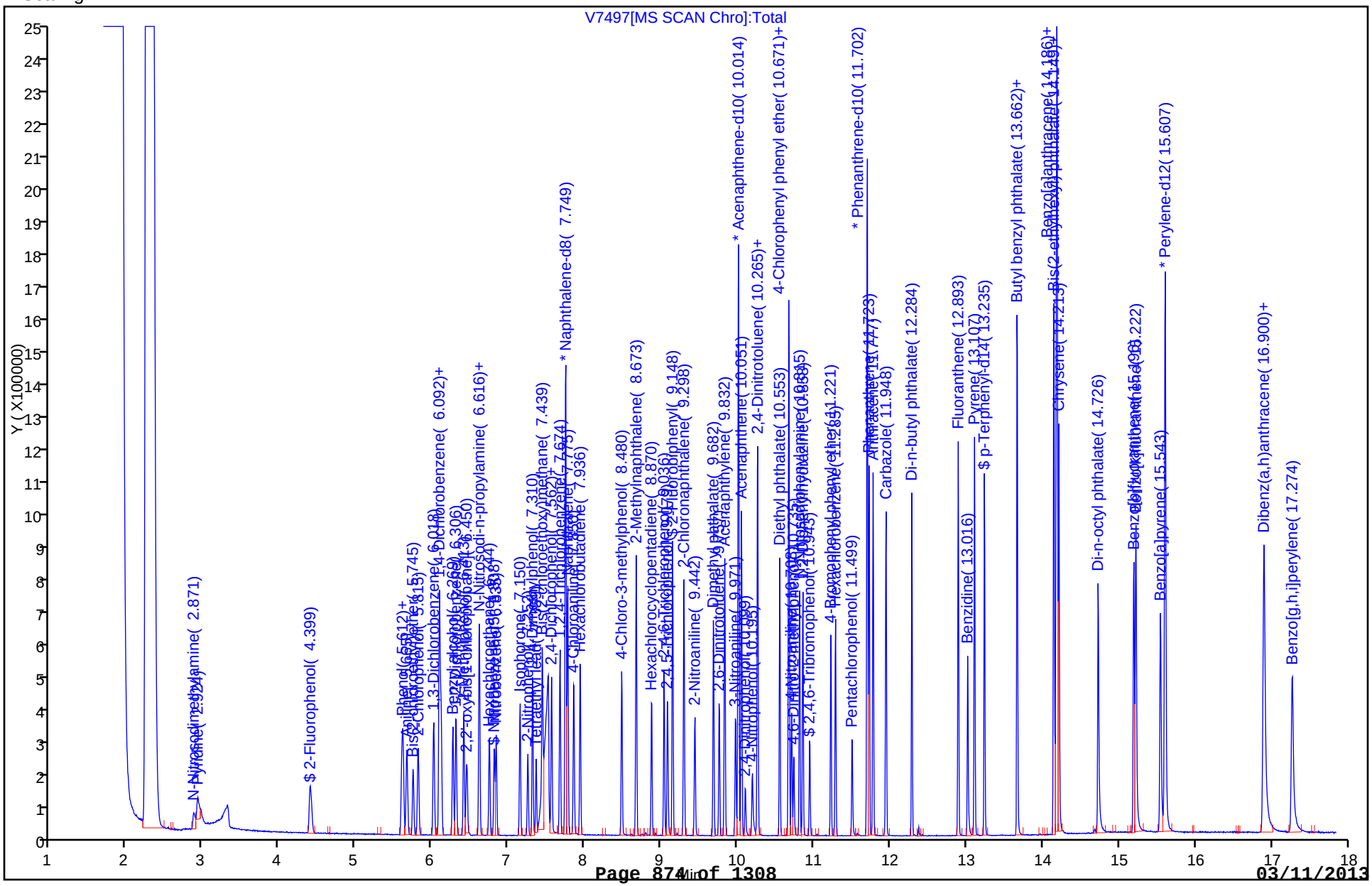
Review Flags
M - Manually Integrated

Report Date: 14-Dec-2012 09:44:20 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973V\20121213-17520.b\V7497.D		
Injection Date:	13-Dec-2012 14:26:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	95638	Lims Sample ID:	5
Operator ID:	hl	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:



Manual Integration/User Assign Peak Report

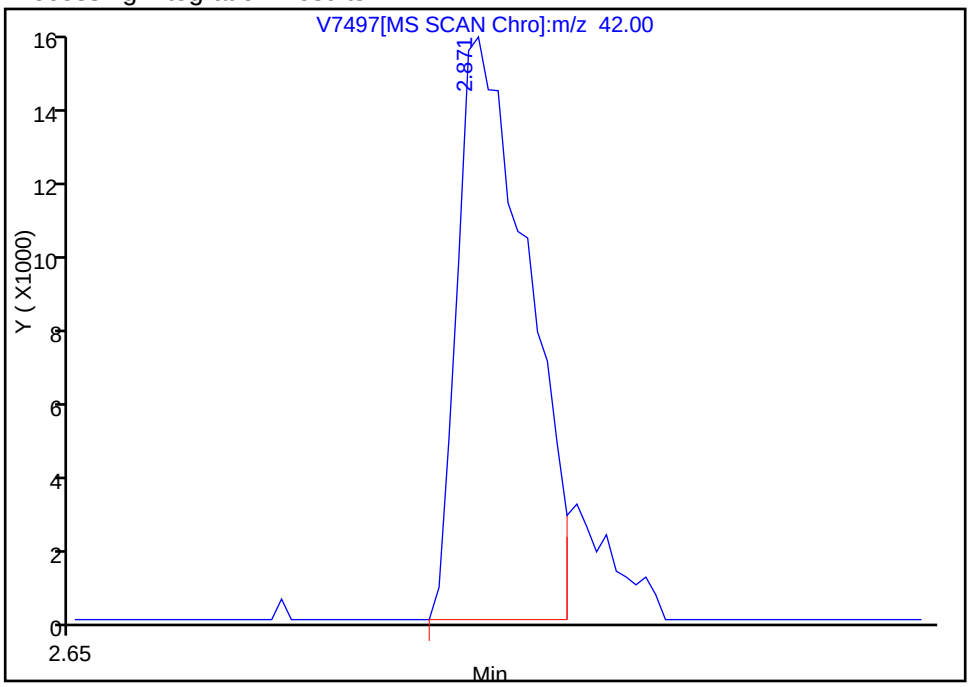
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973V\20121213-17520.b\V7497.D		
Injection Date:	13-Dec-2012 14:26:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	95638	Lims Sample ID:	5
Operator ID:	hl	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

69 N-Nitrosodimethylamine, Signal: 1, m/z: 42.0 Type: quant, RT: 2.87

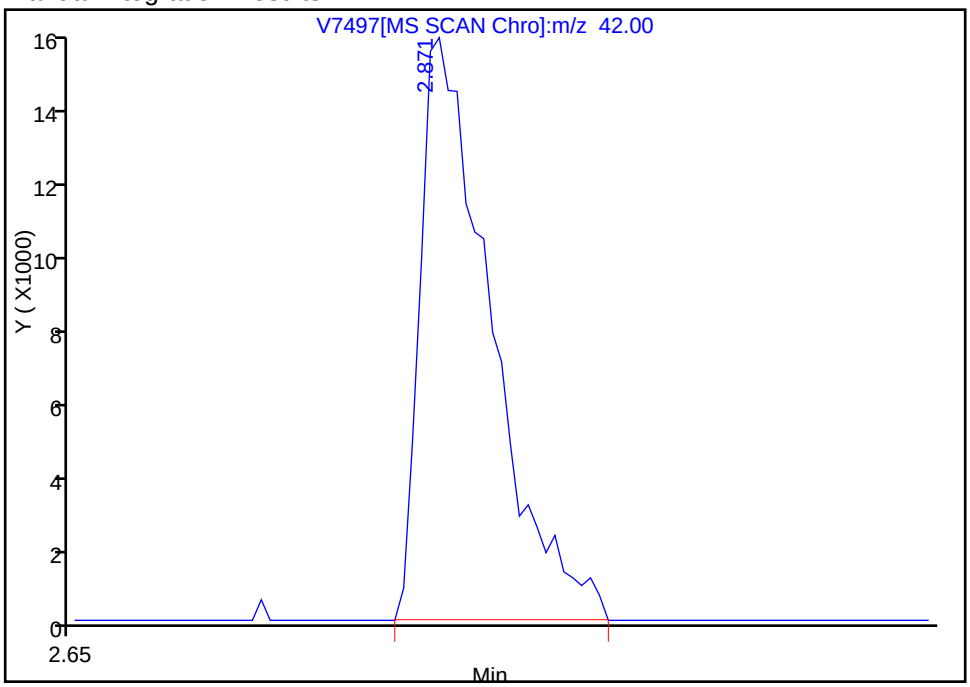
Processing Integration Results

RT: 2.87
Response: 42099
Amount: 25.872811



Manual Integration Results

RT: 2.87
Response: 46827
Amount: 20.743653



Reviewer: lyh, 13-Dec-2012 14:48:16
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

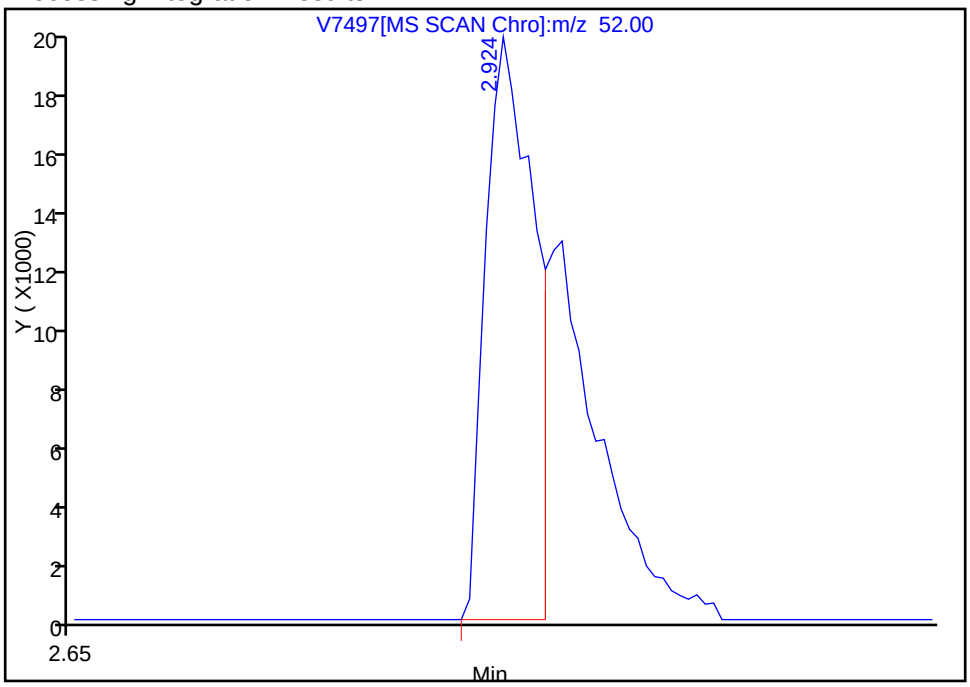
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973V\20121213-17520.b\V7497.D		
Injection Date:	13-Dec-2012 14:26:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	95638	Lims Sample ID:	5
Operator ID:	hl	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

70 Pyridine, Signal: 1, m/z: 52.0 Type: quant, RT: 2.92

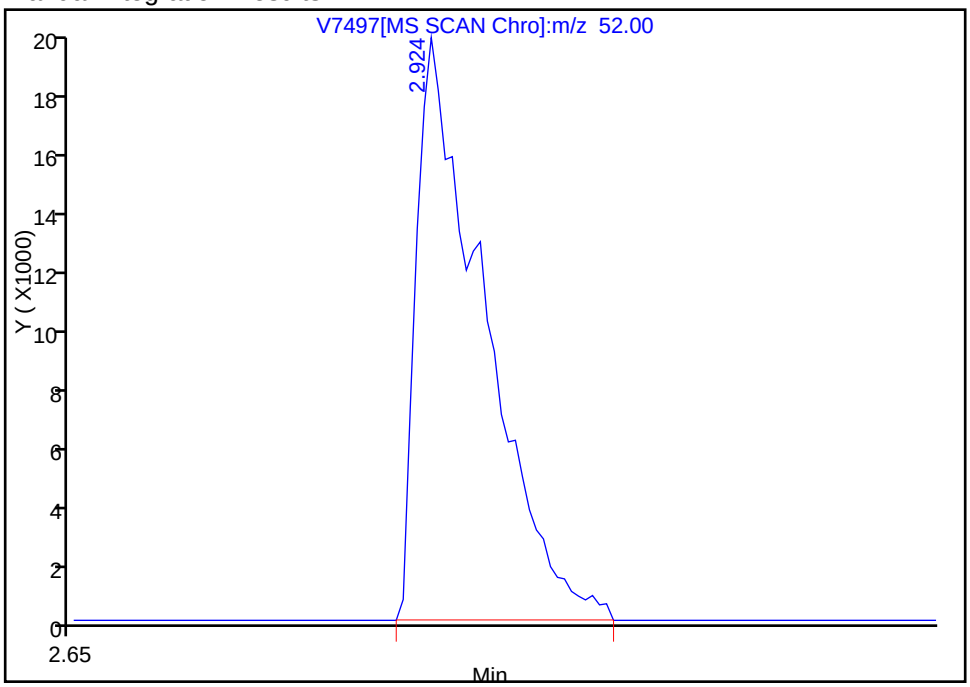
Processing Integration Results

RT: 2.92
Response: 42350
Amount: 16.823990



Manual Integration Results

RT: 2.92
Response: 70083
Amount: 21.436693



Reviewer: lyh, 13-Dec-2012 14:48:16
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973V\20121213-17520.b\V7498.D		
Lims ID:	ICIS 50 - 8270	Client ID:	
Inject. Date:	13-Dec-2012 14:50:30	Dil. Factor:	1.0000
Sample Type:	ICIS	Calib Level:	3
Sample ID:	480-0017520-006		
Misc. Info.:	ICIS 50 - 8270		
Operator:	hl	Instrument ID:	HP5973V
Injection Vol:	1.0 ul	ALS Bottle#:	14
Lims Batch ID:	95638	Lims Sample ID:	6
Sublist:	chrom-V-8270*sub31		
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973V\20121213-17520.b\V-8270.m		
Last Update:	14-Dec-2012 09:44:25	Calib Date:	13-Dec-2012 16:31:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973V\20121213-17520.b\V7504.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm
Process Host:	XAWRK024		

First Level Reviewer: lyh Date: 14-Dec-2012 09:44:25

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.093	6.093	0.0	93	228468	40.0	
* 2 Naphthalene-d8	136	7.749	7.749	0.0	99	899731	40.0	
* 3 Acenaphthene-d10	164	10.014	10.014	0.0	90	539096	40.0	
* 4 Phenanthrene-d10	188	11.702	11.702	0.0	97	861474	40.0	
* 5 Chrysene-d12	240	14.191	14.191	0.0	98	882041	40.0	
* 6 Perylene-d12	264	15.607	15.607	0.0	98	911653	40.0	
$ 7 2-Fluorophenol	112	4.399	4.399	0.0	85	273520	37.9	
$ 8 Phenol-d5	99	5.606	5.606	0.0	87	400793	47.2	
$ 9 Nitrobenzene-d5	82	6.814	6.814	0.0	85	341590	47.8	
$ 10 2-Fluorobiphenyl	172	9.148	9.148	0.0	100	791980	47.7	
$ 11 2,4,6-Tribromophenol	330	10.949	10.949	0.0	92	103813	45.2	
$ 12 p-Terphenyl-d14	244	13.235	13.235	0.0	97	936290	46.6	
69 N-Nitrosodimethylamine	42	2.871	2.871	0.0	82	116338	38.0	
70 Pyridine	52	2.930	2.930	0.0	93	172053	38.8	M
81 Phenol	94	5.622	5.622	0.0	98	421119	46.9	
82 Aniline	93	5.671	5.671	0.0	98	514131	47.5	
83 Bis(2-chloroethyl)ether	93	5.751	5.751	0.0	98	335880	46.9	
84 2-Chlorophenol	128	5.815	5.815	0.0	94	386140	46.7	
87 1,3-Dichlorobenzene	146	6.018	6.018	0.0	98	409541	46.0	
88 1,4-Dichlorobenzene	146	6.114	6.114	0.0	93	423875	46.0	
90 Benzyl alcohol	108	6.269	6.269	0.0	94	233850	47.0	
91 1,2-Dichlorobenzene	146	6.312	6.312	0.0	95	394850	45.7	
92 2-Methylphenol	108	6.413	6.413	0.0	94	325647	47.3	
93 2,2'-oxybis[1-chloropropane]	45	6.450	6.450	0.0	91	380984	48.4	
96 4-Methylphenol	108	6.616	6.616	0.0	96	342378	47.0	
95 N-Nitrosodi-n-propylamine	70	6.621	6.621	0.0	83	238620	46.9	
99 Hexachloroethane	117	6.744	6.744	0.0	91	144800	45.1	
102 Nitrobenzene	77	6.840	6.840	0.0	84	344911	47.4	
106 Isophorone	82	7.150	7.150	0.0	96	613505	48.1	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
107 2-Nitrophenol	139	7.252	7.252	0.0	87	209031	49.0	
108 2,4-Dimethylphenol	107	7.316	7.316	0.0	93	346583	47.7	
110 Tetraethyl lead	237	7.359	7.359	0.0	90	122353	50.4	
111 Bis(2-chloroethoxy)methane	93	7.444	7.444	0.0	98	385591	47.0	
115 Benzoic acid	105	7.535	7.535	0.0	82	718293	134.5	
114 2,4-Dichlorophenol	162	7.562	7.562	0.0	89	303409	46.5	
117 1,2,4-Trichlorobenzene	180	7.674	7.674	0.0	94	316133	45.6	
118 Naphthalene	128	7.775	7.775	0.0	95	1067112	46.2	
119 4-Chloroaniline	127	7.855	7.855	0.0	86	456678	46.9	
121 Hexachlorobutadiene	225	7.936	7.936	0.0	94	172034	45.1	
129 4-Chloro-3-methylphenol	107	8.481	8.481	0.0	89	297427	46.4	
131 2-Methylnaphthalene	142	8.673	8.673	0.0	91	703648	46.4	
134 Hexachlorocyclopentadiene	237	8.871	8.871	0.0	95	207412	49.4	
137 2,4,6-Trichlorophenol	196	9.036	9.036	0.0	91	204675	48.3	
138 2,4,5-Trichlorophenol	196	9.079	9.079	0.0	95	222860	48.2	
141 2-Chloronaphthalene	162	9.298	9.298	0.0	96	691782	48.0	
143 2-Nitroaniline	65	9.442	9.442	0.0	88	173915	49.0	
146 Dimethyl phthalate	163	9.688	9.688	0.0	99	804094	47.5	
149 2,6-Dinitrotoluene	165	9.763	9.763	0.0	95	187365	49.1	
150 Acenaphthylene	152	9.832	9.832	0.0	91	1084803	48.3	
151 3-Nitroaniline	138	9.976	9.976	0.0	96	211967	47.5	
152 Acenaphthene	153	10.051	10.051	0.0	93	677096	46.0	
153 2,4-Dinitrophenol	184	10.105	10.105	0.0	83	90362	46.5	
154 4-Nitrophenol	109	10.201	10.201	0.0	82	86461	46.5	
155 Dibenzofuran	168	10.265	10.265	0.0	88	966751	46.5	
156 2,4-Dinitrotoluene	165	10.265	10.265	0.0	93	254506	47.7	
161 Diethyl phthalate	149	10.559	10.559	0.0	98	791442	47.5	
162 Fluorene	166	10.671	10.671	0.0	83	788895	46.4	
163 4-Chlorophenyl phenyl ether	204	10.676	10.676	0.0	87	371184	46.6	
164 4-Nitroaniline	138	10.719	10.719	0.0	87	220660	47.0	
165 4,6-Dinitro-2-methylphenol	198	10.746	10.746	0.0	84	126415	44.9	
168 N-Nitrosodiphenylamine	169	10.815	10.815	0.0	57	548544	45.6	
170 1,2-Diphenylhydrazine	77	10.858	10.858	0.0	96	703637	47.5	
175 4-Bromophenyl phenyl ether	248	11.226	11.226	0.0	59	206525	45.3	
179 Hexachlorobenzene	284	11.285	11.285	0.0	90	232966	44.2	
183 Pentachlorophenol	266	11.504	11.504	0.0	86	121163	43.8	
188 Phenanthrene	178	11.729	11.729	0.0	96	1113396	47.3	
189 Anthracene	178	11.777	11.777	0.0	97	1126314	46.8	
192 Carbazole	167	11.948	11.948	0.0	82	1093418	45.0	
195 Di-n-butyl phthalate	149	12.284	12.284	0.0	100	1318461	47.9	
201 Fluoranthene	202	12.893	12.893	0.0	98	1179696	46.8	
202 Benzidine	184	13.016	13.016	0.0	98	625124	50.1	
204 Pyrene	202	13.107	13.107	0.0	97	1207361	46.7	
210 Butyl benzyl phthalate	149	13.662	13.662	0.0	97	609846	47.4	
209 3,3'-Dimethylbenzidine	212	13.668	13.668	0.0	95	611822	47.9	
215 3,3'-Dichlorobenzidine	252	14.143	14.143	0.0	69	446772	46.4	
216 Bis(2-ethylhexyl) phthalate	149	14.149	14.149	0.0	94	850111	47.8	
217 Benzo[a]anthracene	228	14.181	14.181	0.0	95	1153352	46.4	
218 Chrysene	228	14.213	14.213	0.0	94	1154742	46.0	
220 Di-n-octyl phthalate	149	14.726	14.726	0.0	99	1361465	47.8	
221 Benzo[b]fluoranthene	252	15.196	15.196	0.0	94	1091607	48.1	
222 Benzo[k]fluoranthene	252	15.228	15.228	0.0	99	1300085	47.0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
225 Benzo[a]pyrene	252	15.548	15.548	0.0	74	1019802	48.7	
227 Indeno[1,2,3-cd]pyrene	276	16.905	16.905	0.0	95	1278990	47.7	
228 Dibenz(a,h)anthracene	278	16.911	16.911	0.0	58	1098830	47.5	
229 Benzo[g,h,i]perylene	276	17.285	17.285	0.0	90	1059976	49.0	
S 232 Total Cresols	1				0		94.3	
S 233 3-Methylphenol	1				0		47.0	
S 234 3 & 4 Methylphenol	108				0		47.0	

QC Flag Legend

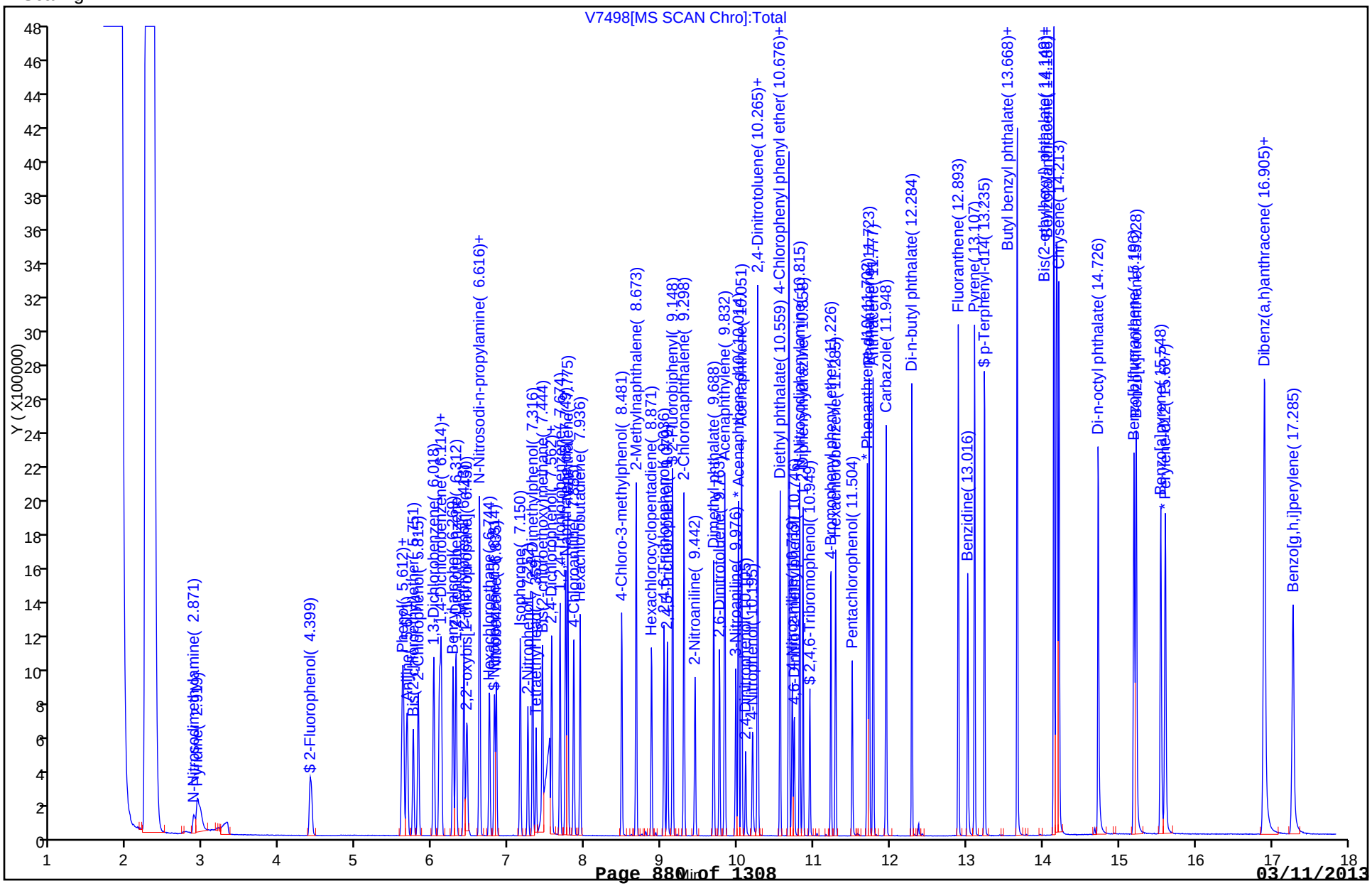
Review Flags
M - Manually Integrated

Report Date: 14-Dec-2012 09:44:25 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973V\20121213-17520.b\V7498.D		
Injection Date:	13-Dec-2012 14:50:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	95638	Lims Sample ID:	6
Operator ID:	hl	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:



Manual Integration/User Assign Peak Report

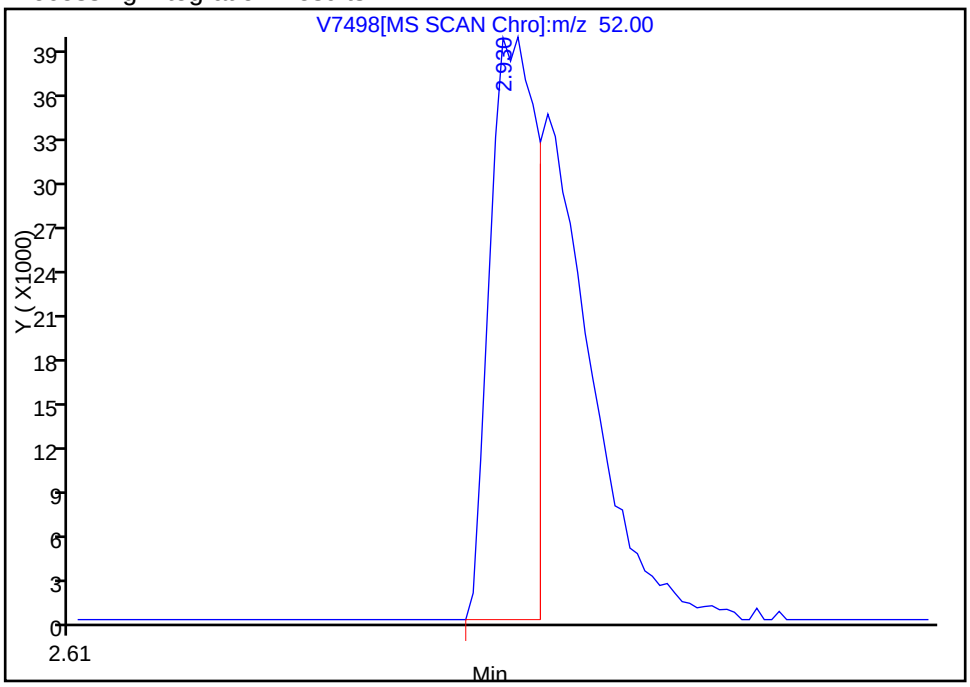
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973V\20121213-17520.b\V7498.D		
Injection Date:	13-Dec-2012 14:50:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	95638	Lims Sample ID:	6
Operator ID:	hl	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

70 Pyridine, Signal: 1, m/z: 52.0 Type: quant, RT: 2.93

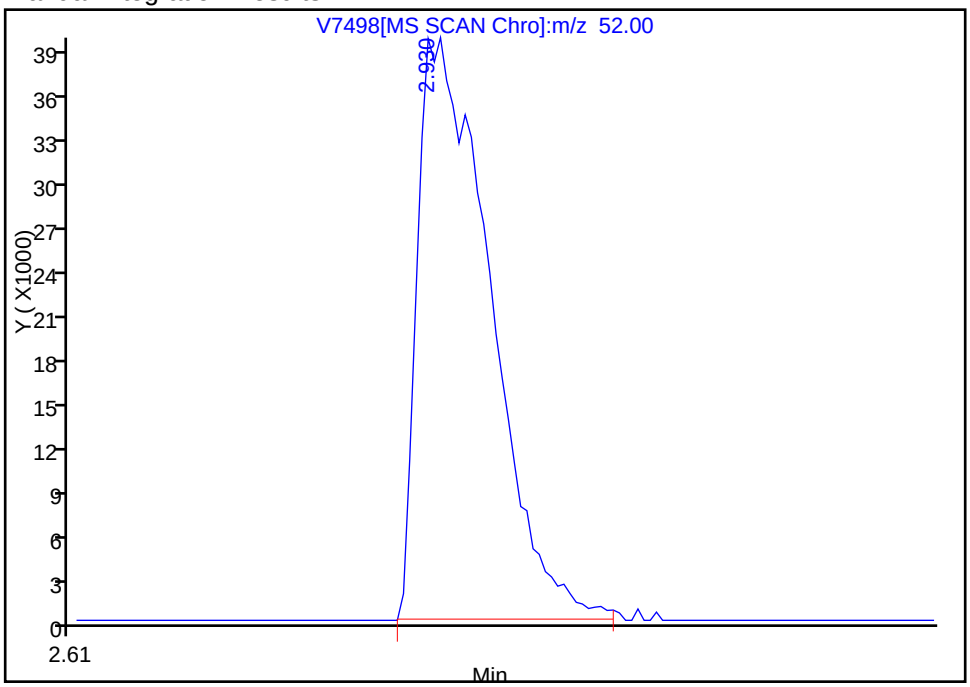
Processing Integration Results

RT: 2.93
Response: 92574
Amount: 25.945832



Manual Integration Results

RT: 2.93
Response: 172053
Amount: 38.766196



Reviewer: lyh, 13-Dec-2012 15:16:45
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973V\20121213-17520.b\V7504.D		
Lims ID:	IC 80 - 8270	Client ID:	
Inject. Date:	13-Dec-2012 16:31:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	480-0017520-007		
Misc. Info.:	IC 80 - 8270		
Operator:	hl	Instrument ID:	HP5973V
Injection Vol:	1.0 ul	ALS Bottle#:	15
Lims Batch ID:	95638	Lims Sample ID:	7
Sublist:	chrom-V-8270*sub31		
Detector:	MS SCAN		

Method:	\\Bufchrom\ChromData\HP5973V\20121213-17520.b\V-8270.m		
Last Update:	14-Dec-2012 09:44:28	Calib Date:	13-Dec-2012 16:31:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973V\20121213-17520.b\V7504.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm
Process Host:	XAWRK024		

First Level Reviewer: lyh Date: 14-Dec-2012 09:44:28

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.092	6.093	-0.001	94	197529	40.0	
* 2 Naphthalene-d8	136	7.748	7.749	-0.001	99	782736	40.0	
* 3 Acenaphthene-d10	164	10.013	10.014	-0.001	81	468077	40.0	
* 4 Phenanthrene-d10	188	11.702	11.702	0.0	97	695878	40.0	
* 5 Chrysene-d12	240	14.196	14.191	0.005	95	702349	40.0	
* 6 Perylene-d12	264	15.612	15.607	0.005	98	745114	40.0	
$ 7 2-Fluorophenol	112	4.404	4.399	0.005	87	545376	87.5	
$ 8 Phenol-d5	99	5.606	5.606	0.0	95	607804	82.7	
$ 9 Nitrobenzene-d5	82	6.813	6.814	-0.001	85	537374	86.4	
$ 10 2-Fluorobiphenyl	172	9.153	9.148	0.005	99	1206751	83.6	
$ 11 2,4,6-Tribromophenol	330	10.954	10.949	0.005	92	157218	84.8	
$ 12 p-Terphenyl-d14	244	13.240	13.235	0.005	97	1316302	82.3	
69 N-Nitrosodimethylamine	42	2.871	2.871	0.0	83	229436	86.6	
70 Pyridine	52	2.930	2.930	0.0	96	341730	89.1	
81 Phenol	94	5.627	5.622	0.005	98	644987	83.1	
82 Aniline	93	5.670	5.671	0.0	98	777879	83.1	
83 Bis(2-chloroethyl)ether	93	5.750	5.751	-0.001	99	520407	84.0	
84 2-Chlorophenol	128	5.814	5.815	-0.001	95	596507	83.5	
87 1,3-Dichlorobenzene	146	6.017	6.018	-0.001	97	636391	82.6	
88 1,4-Dichlorobenzene	146	6.114	6.114	0.0	95	653759	82.1	
90 Benzyl alcohol	108	6.274	6.269	0.005	93	359219	83.5	
91 1,2-Dichlorobenzene	146	6.311	6.312	-0.001	92	621073	83.2	
92 2-Methylphenol	108	6.418	6.413	0.005	94	496585	83.4	
93 2,2'-oxybis[1-chloropropane]	45	6.456	6.450	0.006	90	582937	85.7	
96 4-Methylphenol	108	6.621	6.616	0.005	95	523053	83.1	
95 N-Nitrosodi-n-propylamine	70	6.626	6.621	0.005	84	368863	83.9	
99 Hexachloroethane	117	6.749	6.744	0.005	91	230199	82.9	
102 Nitrobenzene	77	6.840	6.840	0.0	84	538933	85.2	
106 Isophorone	82	7.155	7.150	0.005	96	944977	85.1	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
107 2-Nitrophenol	139	7.252	7.252	0.0	89	314529	84.7	
108 2,4-Dimethylphenol	107	7.316	7.316	0.0	93	532539	84.2	
110 Tetraethyl lead	237	7.358	7.359	-0.001	91	163746	77.6	
111 Bis(2-chloroethoxy)methane	93	7.444	7.444	0.0	98	584212	81.9	
115 Benzoic acid	105	7.577	7.535	0.042	81	1113682	239.7	
114 2,4-Dichlorophenol	162	7.567	7.562	0.005	92	470438	82.8	
117 1,2,4-Trichlorobenzene	180	7.674	7.674	0.0	93	490787	81.4	
118 Naphthalene	128	7.775	7.775	0.0	96	1644024	81.8	
119 4-Chloroaniline	127	7.855	7.855	0.0	86	701878	82.8	
121 Hexachlorobutadiene	225	7.941	7.936	0.005	94	268350	80.8	
129 4-Chloro-3-methylphenol	107	8.486	8.481	0.005	89	454558	81.5	
131 2-Methylnaphthalene	142	8.673	8.673	0.0	90	1080581	81.9	
134 Hexachlorocyclopentadiene	237	8.876	8.871	0.006	86	306257	84.0	
137 2,4,6-Trichlorophenol	196	9.041	9.036	0.005	90	313589	85.2	
138 2,4,5-Trichlorophenol	196	9.084	9.079	0.005	96	338998	84.4	
141 2-Chloronaphthalene	162	9.303	9.298	0.005	96	1052717	84.1	
143 2-Nitroaniline	65	9.447	9.442	0.005	89	268155	87.1	
146 Dimethyl phthalate	163	9.693	9.688	0.005	100	1224824	83.3	
149 2,6-Dinitrotoluene	165	9.768	9.763	0.005	90	283826	85.6	
150 Acenaphthylene	152	9.837	9.832	0.005	90	1650503	84.6	
151 3-Nitroaniline	138	9.987	9.976	0.011	95	323440	83.5	
152 Acenaphthene	153	10.056	10.051	0.005	94	1036239	81.1	
153 2,4-Dinitrophenol	184	10.115	10.105	0.010	83	131649	74.7	
154 4-Nitrophenol	109	10.206	10.201	0.005	82	134385	83.3	
155 Dibenzofuran	168	10.270	10.265	0.005	89	1430651	79.3	
156 2,4-Dinitrotoluene	165	10.270	10.265	0.005	93	379326	81.9	
161 Diethyl phthalate	149	10.564	10.559	0.005	98	1172067	81.1	
162 Fluorene	166	10.676	10.671	0.005	82	1189302	80.6	
163 4-Chlorophenyl phenyl ether	204	10.681	10.676	0.005	92	553309	80.0	
164 4-Nitroaniline	138	10.729	10.719	0.010	76	329108	80.8	
165 4,6-Dinitro-2-methylphenol	198	10.751	10.746	0.005	82	181241	76.1	
168 N-Nitrosodiphenylamine	169	10.820	10.815	0.005	57	831444	85.6	
170 1,2-Diphenylhydrazine	77	10.863	10.858	0.005	96	1062504	82.5	
175 4-Bromophenyl phenyl ether	248	11.226	11.226	0.0	61	311902	84.8	
179 Hexachlorobenzene	284	11.290	11.285	0.005	89	350848	82.4	
183 Pentachlorophenol	266	11.509	11.504	0.005	86	179306	75.9	
188 Phenanthrene	178	11.728	11.729	-0.001	97	1556892	81.9	
189 Anthracene	178	11.782	11.777	0.005	97	1637142	84.2	
192 Carbazole	167	11.953	11.948	0.005	82	1639050	83.5	
195 Di-n-butyl phthalate	149	12.289	12.284	0.005	100	1840207	82.7	
201 Fluoranthene	202	12.898	12.893	0.005	98	1640576	80.6	
202 Benzidine	184	13.021	13.016	0.005	99	839267	84.5	
204 Pyrene	202	13.112	13.107	0.005	97	1689457	82.1	
210 Butyl benzyl phthalate	149	13.668	13.662	0.006	96	872739	85.2	
209 3,3'-Dimethylbenzidine	212	13.673	13.668	0.005	96	842601	81.6	
215 3,3'-Dichlorobenzidine	252	14.148	14.143	0.005	66	648280	84.5	
216 Bis(2-ethylhexyl) phthalate	149	14.148	14.149	-0.001	95	1208614	85.3	
217 Benzo[a]anthracene	228	14.180	14.181	-0.001	98	1641739	83.0	
218 Chrysene	228	14.218	14.213	0.005	94	1600839	80.2	
220 Di-n-octyl phthalate	149	14.731	14.726	0.005	99	1989789	87.7	
221 Benzo[b]fluoranthene	252	15.201	15.196	0.005	95	1574791	84.8	
222 Benzo[k]fluoranthene	252	15.233	15.228	0.005	99	1841679	81.4	

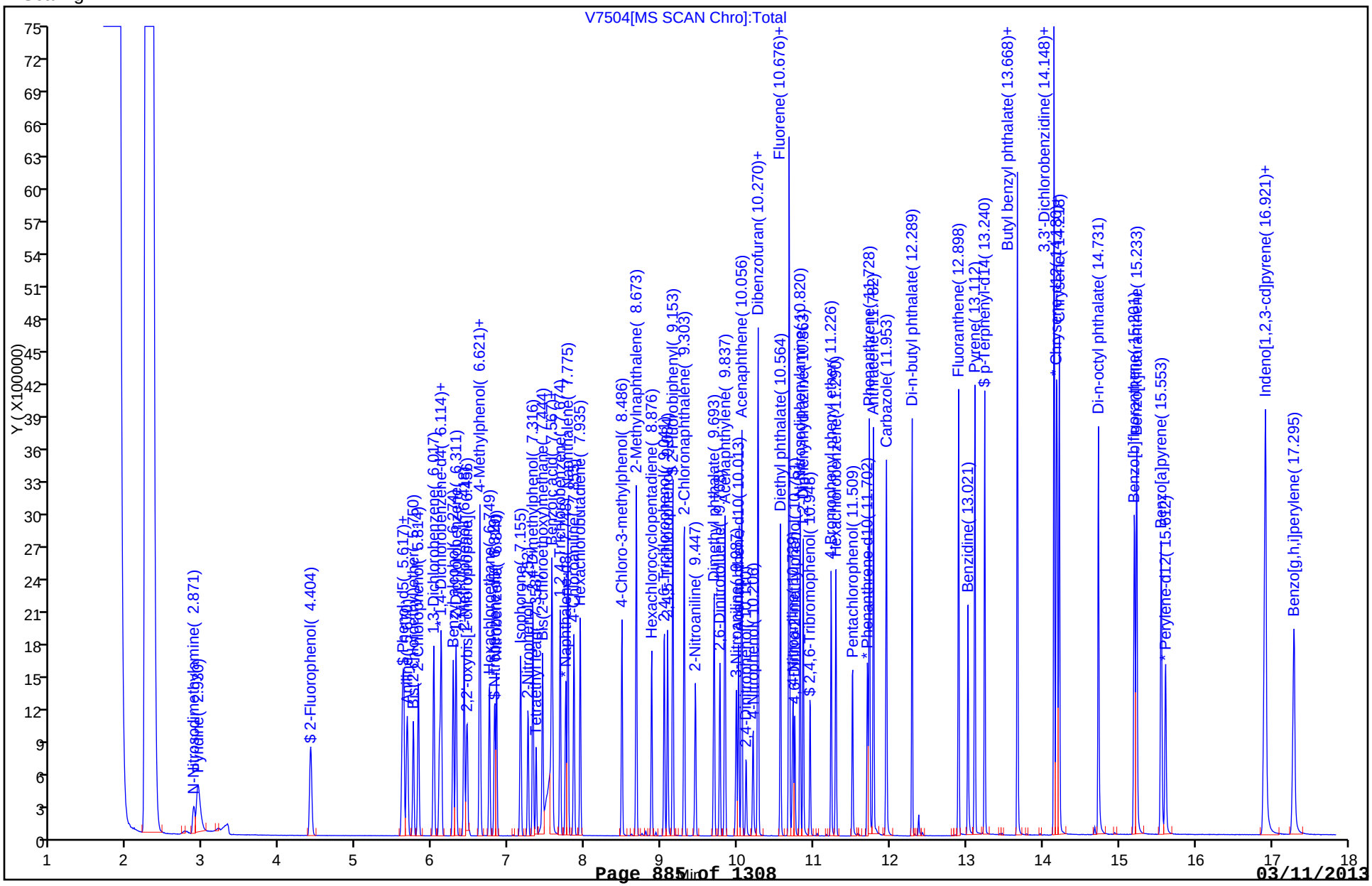
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
225 Benzo[a]pyrene	252	15.553	15.548	0.005	75	1462790	85.5	
227 Indeno[1,2,3-cd]pyrene	276	16.916	16.905	0.011	95	1878540	85.7	
228 Dibenz(a,h)anthracene	278	16.921	16.911	0.010	60	1624314	86.0	
229 Benzo[g,h,i]perylene	276	17.295	17.285	0.010	94	1507172	85.3	
S 232 Total Cresols	1				0		166.5	
S 233 3-Methylphenol	1				0		83.1	
S 234 3 & 4 Methylphenol	108				0		83.1	

Report Date: 14-Dec-2012 09:44:29 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973V\20121213-17520.b\V7504.D		
Injection Date:	13-Dec-2012 16:31:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	95638	Lims Sample ID:	7
Operator ID:	hl	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:



TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973V\20121213-17520.b\V7500.D		
Lims ID:	IC 120 - 8270	Client ID:	
Inject. Date:	13-Dec-2012 15:38:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	480-0017520-008		
Misc. Info.:	IC 120 - 8270		
Operator:	hl	Instrument ID:	HP5973V
Injection Vol:	1.0 ul	ALS Bottle#:	16
Lims Batch ID:	95638	Lims Sample ID:	8
Sublist:	chrom-V-8270*sub31		
Detector:	MS SCAN		

Method:	\\Bufchrom\ChromData\HP5973V\20121213-17520.b\V-8270.m		
Last Update:	14-Dec-2012 09:44:32	Calib Date:	13-Dec-2012 16:31:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973V\20121213-17520.b\V7504.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm
Process Host:	XAWRK024		

First Level Reviewer: lyh Date: 14-Dec-2012 09:44:32

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.092	6.093	-0.001	94	175088	40.0	
* 2 Naphthalene-d8	136	7.749	7.749	-0.001	99	686976	40.0	
* 3 Acenaphthene-d10	164	10.014	10.014	0.0	74	393253	40.0	
* 4 Phenanthrene-d10	188	11.707	11.702	0.005	97	593038	40.0	
* 5 Chrysene-d12	240	14.197	14.191	0.006	91	643705	40.0	
* 6 Perylene-d12	264	15.612	15.607	0.005	98	696158	40.0	
$ 7 2-Fluorophenol	112	4.415	4.399	0.016	88	686295	124.2	
$ 8 Phenol-d5	99	5.617	5.606	0.011	87	781697	120.1	
$ 9 Nitrobenzene-d5	82	6.819	6.814	0.005	86	696808	127.6	
$ 10 2-Fluorobiphenyl	172	9.154	9.148	0.006	100	1513868	124.9	
$ 11 2,4,6-Tribromophenol	330	10.954	10.949	0.005	92	227791	144.1	
$ 12 p-Terphenyl-d14	244	13.240	13.235	0.005	97	1787985	122.0	
69 N-Nitrosodimethylamine	42	2.882	2.871	0.011	83	297770	126.8	
70 Pyridine	52	2.940	2.930	0.010	95	431209	126.8	
81 Phenol	94	5.633	5.622	0.011	98	833797	121.2	
82 Aniline	93	5.676	5.671	0.006	98	992894	119.7	
83 Bis(2-chloroethyl)ether	93	5.756	5.751	0.005	99	659818	120.2	
84 2-Chlorophenol	128	5.825	5.815	0.010	94	774546	122.3	
87 1,3-Dichlorobenzene	146	6.023	6.018	0.005	97	831516	121.7	
88 1,4-Dichlorobenzene	146	6.119	6.114	0.005	95	853272	120.9	
90 Benzyl alcohol	108	6.279	6.269	0.010	93	469598	123.1	
91 1,2-Dichlorobenzene	146	6.311	6.312	-0.001	90	802536	121.3	
92 2-Methylphenol	108	6.424	6.413	0.011	95	638488	120.9	
93 2,2'-oxybis[1-chloropropane]	45	6.456	6.450	0.006	88	716951	118.8	
96 4-Methylphenol	108	6.632	6.616	0.016	96	684285	122.7	
95 N-Nitrosodi-n-propylamine	70	6.632	6.621	0.011	84	478631	122.8	
99 Hexachloroethane	117	6.750	6.744	0.006	91	297316	120.8	
102 Nitrobenzene	77	6.846	6.840	0.006	85	704522	126.9	
106 Isophorone	82	7.166	7.150	0.016	96	1235847	126.8	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
107 2-Nitrophenol	139	7.257	7.252	0.005	89	413081	126.7	
108 2,4-Dimethylphenol	107	7.321	7.316	0.005	94	709683	127.9	
110 Tetraethyl lead	237	7.359	7.359	0.0	90	210443	113.6	
111 Bis(2-chloroethoxy)methane	93	7.449	7.444	0.005	98	760759	121.6	
115 Benzoic acid	105	7.631	7.535	0.096	83	1652911	405.4	
114 2,4-Dichlorophenol	162	7.572	7.562	0.010	92	618454	124.0	
117 1,2,4-Trichlorobenzene	180	7.679	7.674	0.005	91	647453	122.4	
118 Naphthalene	128	7.781	7.775	0.006	97	2122780	120.3	
119 4-Chloroaniline	127	7.861	7.855	0.006	88	918032	123.4	
121 Hexachlorobutadiene	225	7.941	7.936	0.005	94	361140	124.0	
129 4-Chloro-3-methylphenol	107	8.486	8.481	0.005	90	613928	125.5	
131 2-Methylnaphthalene	142	8.678	8.673	0.005	91	1354985	117.1	
134 Hexachlorocyclopentadiene	237	8.876	8.871	0.006	87	419268	136.9	
137 2,4,6-Trichlorophenol	196	9.041	9.036	0.005	89	415885	134.4	
138 2,4,5-Trichlorophenol	196	9.084	9.079	0.005	95	457324	135.5	
141 2-Chloronaphthalene	162	9.303	9.298	0.005	96	1321365	125.6	
143 2-Nitroaniline	65	9.453	9.442	0.011	89	363137	140.4	
146 Dimethyl phthalate	163	9.698	9.688	0.010	100	1578820	127.8	
149 2,6-Dinitrotoluene	165	9.779	9.763	0.016	89	383515	137.7	
150 Acenaphthylene	152	9.837	9.832	0.005	92	2068663	126.2	
151 3-Nitroaniline	138	9.992	9.976	0.016	96	431098	132.4	
152 Acenaphthene	153	10.056	10.051	0.005	94	1312930	122.4	
153 2,4-Dinitrophenol	184	10.120	10.105	0.015	84	199521	130.7	
154 4-Nitrophenol	109	10.217	10.201	0.016	84	198209	146.2	
155 Dibenzofuran	168	10.270	10.265	0.005	90	1815071	119.8	
156 2,4-Dinitrotoluene	165	10.281	10.265	0.016	94	515917	132.6	
161 Diethyl phthalate	149	10.569	10.559	0.010	98	1458870	120.1	
162 Fluorene	166	10.676	10.671	0.005	82	1504429	121.4	
163 4-Chlorophenyl phenyl ether	204	10.681	10.676	0.005	88	702780	120.9	
164 4-Nitroaniline	138	10.745	10.719	0.026	90	449753	131.4	
165 4,6-Dinitro-2-methylphenol	198	10.762	10.746	0.016	83	268734	129.1	
168 N-Nitrosodiphenylamine	169	10.826	10.815	0.011	58	1049260	126.7	
170 1,2-Diphenylhydrazine	77	10.863	10.858	0.005	96	1322296	122.3	
175 4-Bromophenyl phenyl ether	248	11.232	11.226	0.006	60	397667	126.8	
179 Hexachlorobenzene	284	11.290	11.285	0.005	95	454777	125.4	
183 Pentachlorophenol	266	11.509	11.504	0.005	88	263542	127.2	
188 Phenanthrene	178	11.734	11.729	0.005	97	1959741	121.0	
189 Anthracene	178	11.787	11.777	0.010	97	2050029	123.8	
192 Carbazole	167	11.953	11.948	0.005	82	2077166	124.2	
195 Di-n-butyl phthalate	149	12.289	12.284	0.005	100	2462012	129.8	
201 Fluoranthene	202	12.898	12.893	0.005	98	2207065	127.3	
202 Benzidine	184	13.021	13.016	0.005	98	1094145	120.2	
204 Pyrene	202	13.112	13.107	0.005	97	2261540	120.0	
210 Butyl benzyl phthalate	149	13.668	13.662	0.006	96	1178719	125.5	
209 3,3'-Dimethylbenzidine	212	13.673	13.668	0.005	95	1117703	127.1	
215 3,3'-Dichlorobenzidine	252	14.154	14.143	0.011	59	908903	129.2	
216 Bis(2-ethylhexyl) phthalate	149	14.149	14.149	-0.001	95	1637132	126.1	
217 Benzo[a]anthracene	228	14.186	14.181	0.005	98	2185987	120.5	
218 Chrysene	228	14.223	14.213	0.010	94	2157987	117.9	
220 Di-n-octyl phthalate	149	14.731	14.726	0.005	99	2724844	131.0	
221 Benzo[b]fluoranthene	252	15.206	15.196	0.010	94	2237271	129.0	
222 Benzo[k]fluoranthene	252	15.238	15.228	0.010	99	2537885	120.1	

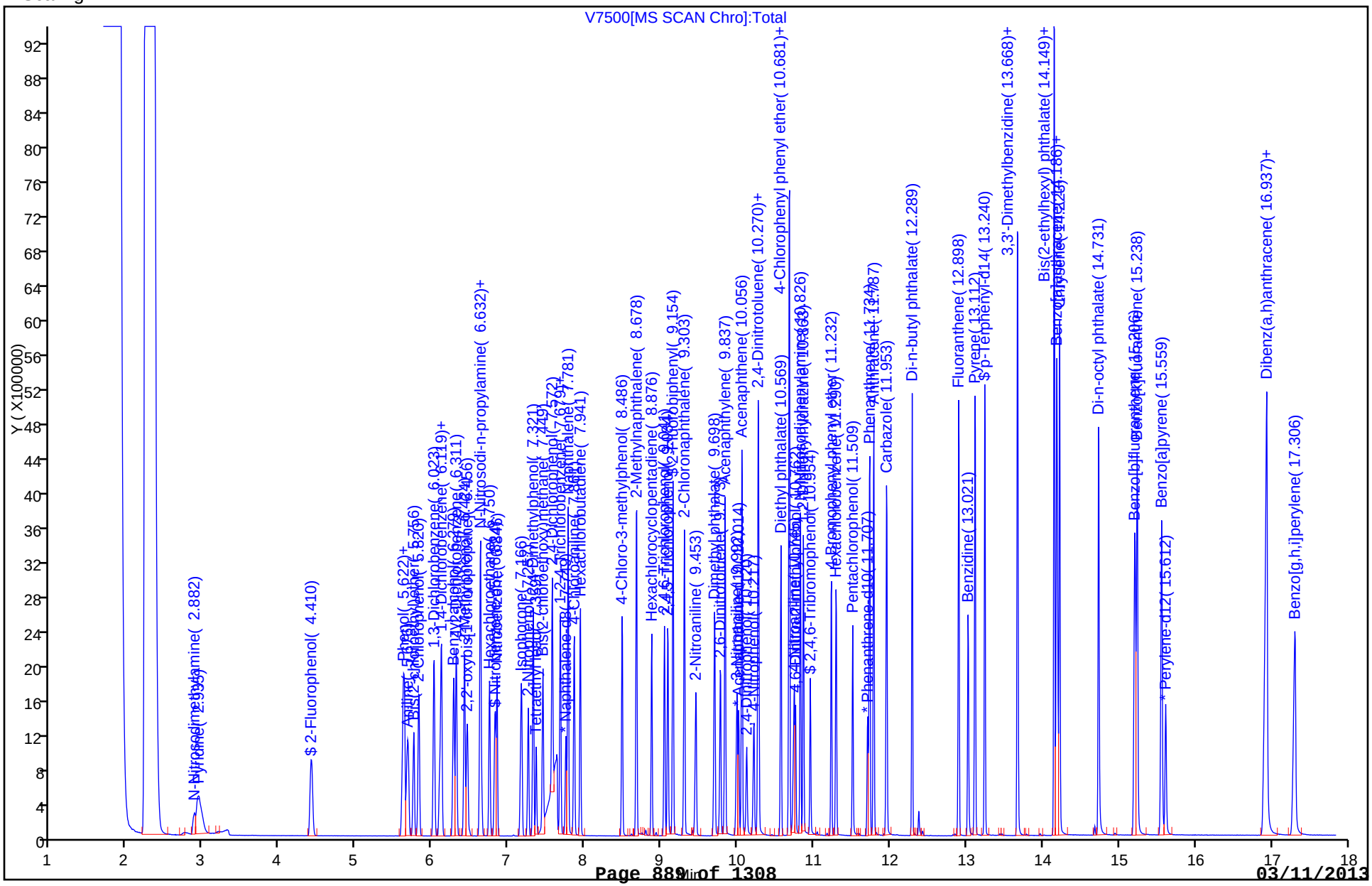
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
225 Benzo[a]pyrene	252	15.559	15.548	0.011	75	2051562	128.3	
227 Indeno[1,2,3-cd]pyrene	276	16.937	16.905	0.032	93	2676692	130.6	
228 Dibenz(a,h)anthracene	278	16.937	16.911	0.026	60	2328622	131.9	
229 Benzo[g,h,i]perylene	276	17.306	17.285	0.021	91	2022996	122.6	
S 232 Total Cresols	1				0		243.6	
S 233 3-Methylphenol	1				0		122.7	
S 234 3 & 4 Methylphenol	108				0		122.7	

Report Date: 14-Dec-2012 09:44:32 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973V\20121213-17520.b\V7500.D		
Injection Date:	13-Dec-2012 15:38:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	95638	Lims Sample ID:	8
Operator ID:	hl	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:



TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973V\20121213-17520.b\V7501.D		
Lims ID:	160-192-C-5 IC	Client ID:	
Inject. Date:	13-Dec-2012 16:02:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	6
Sample ID:	480-0017520-009		
Misc. Info.:	160-192-C-5 IC		
Operator:	hl	Instrument ID:	HP5973V
Injection Vol:	1.0 ul	ALS Bottle#:	17
Lims Batch ID:	95638	Lims Sample ID:	9
Sublist:	chrom-V-8270*sub31		
Detector:	MS SCAN		

Method:	\\Bufchrom\ChromData\HP5973V\20121213-17520.b\V-8270.m		
Last Update:	14-Dec-2012 09:44:36	Calib Date:	13-Dec-2012 16:31:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973V\20121213-17520.b\V7504.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm
Process Host:	XAWRK024		

First Level Reviewer: lyh Date: 14-Dec-2012 09:44:36

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.092	6.093	-0.001	94	149305	40.0	
* 2 Naphthalene-d8	136	7.748	7.749	-0.001	99	595513	40.0	
* 3 Acenaphthene-d10	164	10.014	10.014	0.0	74	443464	40.0	
* 4 Phenanthrene-d10	188	11.707	11.702	0.005	97	654001	40.0	
* 5 Chrysene-d12	240	14.196	14.191	0.005	91	685868	40.0	
* 6 Perylene-d12	264	15.612	15.607	0.005	98	756566	40.0	
$ 7 2-Fluorophenol	112	4.404	4.399	0.005	89	776758	164.8	
$ 8 Phenol-d5	99	5.617	5.606	0.011	88	891147	160.5	
$ 9 Nitrobenzene-d5	82	6.824	6.814	0.010	86	787800	166.4	
$ 10 2-Fluorobiphenyl	172	9.153	9.148	0.005	99	1844626	135.0	
$ 11 2,4,6-Tribromophenol	330	10.959	10.949	0.010	92	311865	178.9	
$ 12 p-Terphenyl-d14	244	13.240	13.235	0.005	97	2459599	157.6	
69 N-Nitrosodimethylamine	42	2.866	2.871	-0.005	82	339368	169.5	
70 Pyridine	52	2.919	2.930	-0.011	94	492084	169.7	
81 Phenol	94	5.633	5.622	0.011	98	960117	163.7	
82 Aniline	93	5.676	5.671	0.006	89	1133731	160.3	
83 Bis(2-chloroethyl)ether	93	5.756	5.751	0.005	98	742489	158.6	
84 2-Chlorophenol	128	5.820	5.815	0.005	95	873058	161.6	
87 1,3-Dichlorobenzene	146	6.018	6.018	0.0	97	936225	160.8	
88 1,4-Dichlorobenzene	146	6.114	6.114	0.0	95	960616	159.6	
90 Benzyl alcohol	108	6.279	6.269	0.010	92	540871	166.3	
91 1,2-Dichlorobenzene	146	6.311	6.312	-0.001	90	919584	163.0	
92 2-Methylphenol	108	6.424	6.413	0.011	95	728096	161.7	
93 2,2'-oxybis[1-chloropropane]	45	6.456	6.450	0.006	88	806702	156.8	
96 4-Methylphenol	108	6.632	6.616	0.016	96	775525	163.1	
95 N-Nitrosodi-n-propylamine	70	6.632	6.621	0.011	55	546073	164.4	
99 Hexachloroethane	117	6.749	6.744	0.005	92	340880	162.4	
102 Nitrobenzene	77	6.846	6.840	0.006	85	795301	165.3	
106 Isophorone	82	7.166	7.150	0.016	96	1396741	165.3	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
107 2-Nitrophenol	139	7.257	7.252	0.005	89	470798	166.6	
108 2,4-Dimethylphenol	107	7.321	7.316	0.005	94	817781	170.0	
110 Tetraethyl lead	237	7.358	7.359	-0.001	91	239084	148.9	
111 Bis(2-chloroethoxy)methane	93	7.449	7.444	0.005	97	859505	158.4	
115 Benzoic acid	105	7.647	7.535	0.112	83	1855737	525.0	
114 2,4-Dichlorophenol	162	7.572	7.562	0.010	91	703357	162.7	
117 1,2,4-Trichlorobenzene	180	7.679	7.674	0.005	92	744471	162.4	
118 Naphthalene	128	7.780	7.775	0.005	97	2418079	158.1	
119 4-Chloroaniline	127	7.861	7.855	0.006	86	1039183	161.2	
121 Hexachlorobutadiene	225	7.941	7.936	0.005	94	410618	162.6	
129 4-Chloro-3-methylphenol	107	8.491	8.481	0.010	91	705012	166.2	
131 2-Methylnaphthalene	142	8.678	8.673	0.005	86	1623577	161.8	
134 Hexachlorocyclopentadiene	237	8.876	8.871	0.006	86	482293	139.7	
137 2,4,6-Trichlorophenol	196	9.041	9.036	0.005	89	481772	138.1	
138 2,4,5-Trichlorophenol	196	9.089	9.079	0.010	95	530348	139.3	
141 2-Chloronaphthalene	162	9.303	9.298	0.005	96	1603083	135.1	
143 2-Nitroaniline	65	9.458	9.442	0.016	88	415117	142.3	
146 Dimethyl phthalate	163	9.704	9.688	0.016	99	1869571	134.2	
149 2,6-Dinitrotoluene	165	9.778	9.763	0.015	94	440895	140.4	
150 Acenaphthylene	152	9.837	9.832	0.005	90	2522992	136.5	
151 3-Nitroaniline	138	9.997	9.976	0.021	95	598982	163.1	
152 Acenaphthene	153	10.062	10.051	0.011	94	1923917	159.0	
153 2,4-Dinitrophenol	184	10.120	10.105	0.015	84	273283	157.7	
154 4-Nitrophenol	109	10.217	10.201	0.016	83	271612	177.6	
155 Dibenzofuran	168	10.270	10.265	0.005	89	2644926	154.8	
156 2,4-Dinitrotoluene	165	10.281	10.265	0.016	93	726802	165.6	
161 Diethyl phthalate	149	10.569	10.559	0.010	98	2130472	155.5	
162 Fluorene	166	10.681	10.671	0.010	82	2213929	158.4	
163 4-Chlorophenyl phenyl ether	204	10.681	10.676	0.005	69	1013117	154.6	
164 4-Nitroaniline	138	10.745	10.719	0.026	90	629914	163.2	
165 4,6-Dinitro-2-methylphenol	198	10.767	10.746	0.021	84	368198	159.3	
168 N-Nitrosodiphenylamine	169	10.826	10.815	0.011	59	1543875	169.1	
170 1,2-Diphenylhydrazine	77	10.863	10.858	0.005	96	1869658	153.3	
175 4-Bromophenyl phenyl ether	248	11.232	11.226	0.006	60	564285	163.2	
179 Hexachlorobenzene	284	11.296	11.285	0.011	91	655968	164.0	
183 Pentachlorophenol	266	11.509	11.504	0.005	85	374695	162.5	
188 Phenanthrene	178	11.734	11.729	0.005	97	2780079	155.7	
189 Anthracene	178	11.787	11.777	0.010	97	2906015	159.1	
192 Carbazole	167	11.958	11.948	0.010	82	3083784	167.2	
195 Di-n-butyl phthalate	149	12.289	12.284	0.005	100	3377105	161.5	
201 Fluoranthene	202	12.904	12.893	0.011	98	3049852	159.5	
202 Benzidine	184	13.021	13.016	0.005	99	1558193	160.7	
204 Pyrene	202	13.117	13.107	0.010	97	3124486	155.5	
210 Butyl benzyl phthalate	149	13.673	13.662	0.011	96	1622133	162.1	
209 3,3'-Dimethylbenzidine	212	13.678	13.668	0.010	96	1575713	162.4	
215 3,3'-Dichlorobenzidine	252	14.154	14.143	0.011	58	1245202	166.1	
216 Bis(2-ethylhexyl) phthalate	149	14.154	14.149	0.005	93	2261591	163.5	
217 Benzo[a]anthracene	228	14.186	14.181	0.005	99	3057778	158.2	
218 Chrysene	228	14.223	14.213	0.010	93	3015539	154.6	
220 Di-n-octyl phthalate	149	14.731	14.726	0.005	99	3842645	173.4	
221 Benzo[b]fluoranthene	252	15.212	15.196	0.016	94	3476132	184.4	
222 Benzo[k]fluoranthene	252	15.244	15.228	0.016	99	3297564	143.6	

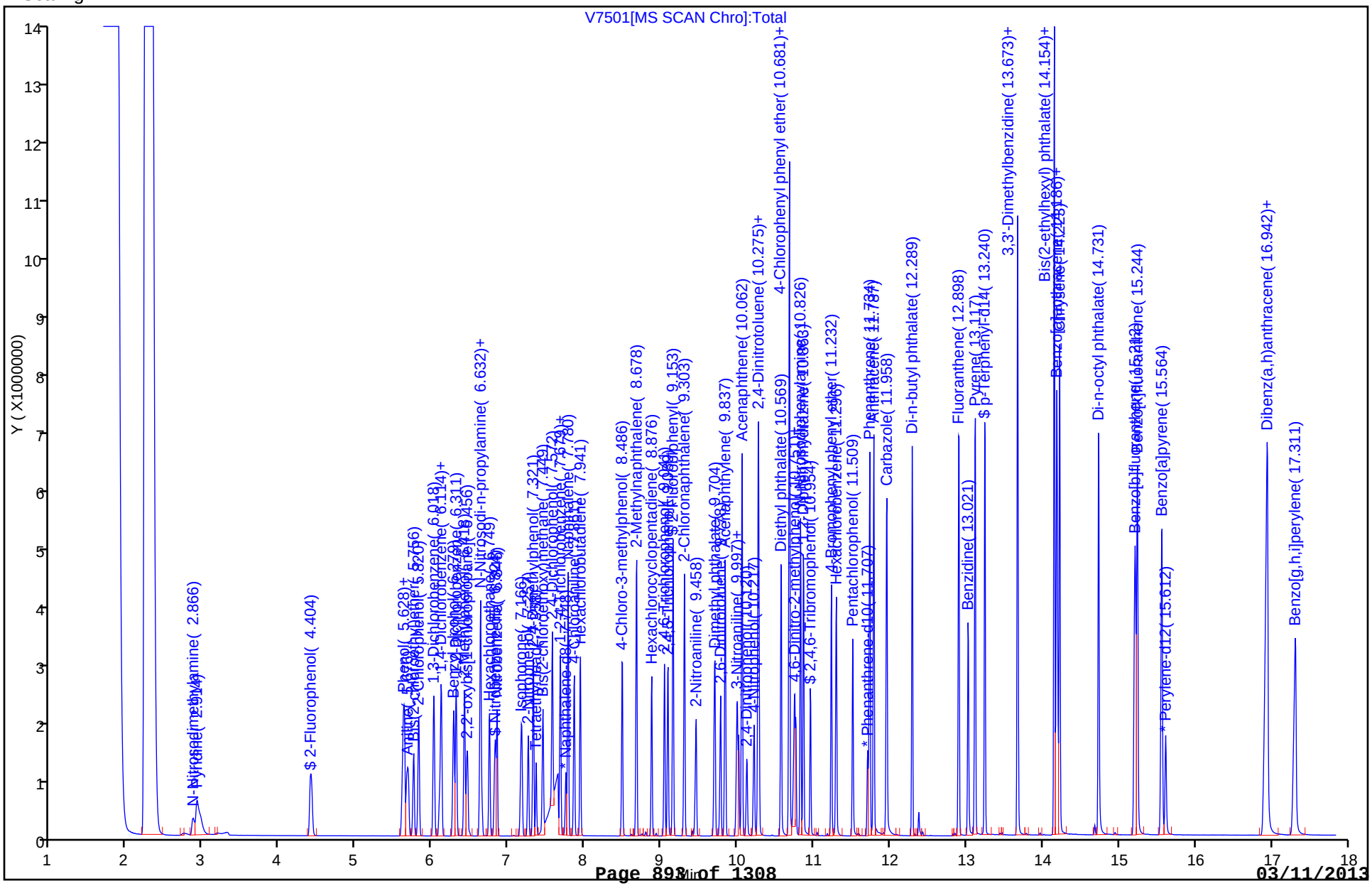
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
225 Benzo[a]pyrene	252	15.564	15.548	0.016	75	2894318	166.6	
227 Indeno[1,2,3-cd]pyrene	276	16.948	16.905	0.043	96	3817892	171.5	
228 Dibenz(a,h)anthracene	278	16.942	16.911	0.031	56	3291850	171.6	
229 Benzo[g,h,i]perylene	276	17.311	17.285	0.026	92	2869746	160.0	
S 232 Total Cresols	1				0		324.8	
S 233 3-Methylphenol	1				0		163.1	
S 234 3 & 4 Methylphenol	108				0		163.1	

Report Date: 14-Dec-2012 09:44:36 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973V\20121213-17520.b\V7501.D		
Injection Date:	13-Dec-2012 16:02:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	95638	Lims Sample ID:	9
Operator ID:	hl	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-30197-1

SDG No.:

Lab Sample ID: CCVIS 480-97808/2 Calibration Date: 12/29/2012 13:40

Instrument ID: HP5973V Calib Start Date: 12/13/2012 13:49

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 12/13/2012 16:31

Lab File ID: V7894.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
N-Nitrosodimethylamine	Ave	0.5365	0.4977	0.0100	46400	50000	-7.2	25.0
Pyridine	Ave	0.7770	0.7004	0.0100	45100	50000	-9.9	100.0
Phenol	Ave	1.572	1.528	0.0100	48600	50000	-2.8	20.0
Aniline	Ave	1.894	1.514	0.0100	40000	50000	-20.1	100.0
Bis(2-chloroethyl)ether	Ave	1.254	1.267	0.0100	50500	50000	1.0	20.0
2-Chlorophenol	Ave	1.447	1.481	0.0100	51200	50000	2.3	20.0
1,3-Dichlorobenzene	Ave	1.560	1.588	0.0100	50900	50000	1.8	20.0
1,4-Dichlorobenzene	Ave	1.612	1.633	0.0100	50600	50000	1.3	20.0
Benzyl alcohol	Ave	0.8714	0.9166	0.0100	52600	50000	5.2	100.0
1,2-Dichlorobenzene	Ave	1.511	1.538	0.0100	50900	50000	1.8	20.0
2-Methylphenol	Ave	1.206	1.189	0.0100	49300	50000	-1.4	20.0
bis (2-chloroisopropyl) ether	Ave	1.378	1.374	0.0100	49800	50000	-0.3	20.0
N-Nitrosodi-n-propylamine	Ave	0.8901	0.9184	0.0500	51600	50000	3.2	20.0
4-Methylphenol	Ave	1.274	1.309	0.0100	51400	50000	2.7	20.0
Hexachloroethane	Ave	0.5622	0.5727	0.0100	50900	50000	1.9	20.0
Nitrobenzene	Ave	0.3232	0.3406	0.0100	52700	50000	5.4	20.0
Isophorone	Ave	0.5676	0.5986	0.0100	52700	50000	5.5	20.0
2-Nitrophenol	Ave	0.1898	0.2052	0.0100	54000	50000	8.1	20.0
2,4-Dimethylphenol	Ave	0.3231	0.3275	0.0100	50700	50000	1.3	20.0
Tetraethyl lead	Ave	0.1078	0.0626	0.0100	29000	50000	-42.0*	40.0
Bis(2-chloroethoxy)methane	Ave	0.3644	0.3697	0.0100	50700	50000	1.5	20.0
Benzoic acid	Ave	0.2374	0.2399	0.0100	152000	150000	1.0	25.0
2,4-Dichlorophenol	Ave	0.2903	0.2970	0.0100	51100	50000	2.3	20.0
1,2,4-Trichlorobenzene	Ave	0.3080	0.3129	0.0100	50800	50000	1.6	20.0
Naphthalene	Ave	1.028	1.040	0.0100	50600	50000	1.3	20.0
4-Chloroaniline	Ave	0.4330	0.4105	0.0100	47400	50000	-5.2	20.0
Hexachlorobutadiene	Ave	0.1696	0.1702	0.0100	50200	50000	0.3	20.0
4-Chloro-3-methylphenol	Ave	0.2849	0.2934	0.0100	51500	50000	3.0	20.0
2-Methylnaphthalene	Ave	0.6740	0.6892	0.0100	51100	50000	2.3	20.0
Hexachlorocyclopentadiene	Ave	0.3115	0.3123	0.0500	50100	50000	0.3	20.0
2,4,6-Trichlorophenol	Ave	0.3146	0.3346	0.0100	53200	50000	6.3	20.0
2,4,5-Trichlorophenol	Ave	0.3433	0.3422	0.0100	49800	50000	-0.3	20.0
2-Chloronaphthalene	Ave	1.070	1.147	0.0100	53600	50000	7.2	25.0
2-Nitroaniline	Ave	0.2631	0.2886	0.0100	54800	50000	9.7	20.0
Dimethyl phthalate	Ave	1.256	1.315	0.0100	52300	50000	4.7	20.0
2,6-Dinitrotoluene	Ave	0.2833	0.3113	0.0100	54900	50000	9.9	25.0
Acenaphthylene	Ave	1.668	1.774	0.0100	53200	50000	6.4	20.0
3-Nitroaniline	Ave	0.3312	0.3404	0.0100	51400	50000	2.8	20.0
Acenaphthene	Ave	1.091	1.122	0.0100	51400	50000	2.8	20.0
2,4-Dinitrophenol	Lin1		0.1521	0.0500	52000	50000	4.1	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-30197-1

SDG No.:

Lab Sample ID: CCVIS 480-97808/2 Calibration Date: 12/29/2012 13:40

Instrument ID: HP5973V Calib Start Date: 12/13/2012 13:49

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 12/13/2012 16:31

Lab File ID: V7894.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Nitrophenol	Ave	0.1379	0.1485	0.0500	53800	50000	7.7	20.0
2,4-Dinitrotoluene	Ave	0.3958	0.4292	0.0100	54200	50000	8.4	20.0
Dibenzofuran	Ave	1.541	1.587	0.0100	51500	50000	3.0	20.0
Diethyl phthalate	Ave	1.236	1.316	0.0100	53300	50000	6.5	20.0
Fluorene	Ave	1.260	1.297	0.0100	51500	50000	2.9	20.0
4-Chlorophenyl phenyl ether	Ave	0.5912	0.6062	0.0100	51300	50000	2.5	20.0
4-Nitroaniline	Ave	0.3482	0.3481	0.0100	50000	50000	-0.0	20.0
4,6-Dinitro-2-methylphenol	Lin1		0.1338	0.0100	50500	50000	1.1	20.0
N-Nitrosodiphenylamine	Ave	0.5585	0.5637	0.0100	50500	50000	0.9	20.0
1,2-Diphenylhydrazine	Ave	1.100	1.165	0.0100	52900	50000	5.9	25.0
4-Bromophenyl phenyl ether	Ave	0.2115	0.2131	0.0100	50400	50000	0.8	20.0
Hexachlorobenzene	Ave	0.2446	0.2440	0.0100	49900	50000	-0.3	20.0
Pentachlorophenol	Lin1		0.1138	0.0100	44200	50000	-11.5	20.0
Phenanthrene	Ave	1.092	1.124	0.0100	51500	50000	2.9	20.0
Anthracene	Ave	1.117	1.144	0.0100	51200	50000	2.4	20.0
Carbazole	Ave	1.128	1.099	0.0100	48700	50000	-2.6	20.0
Di-n-butyl phthalate	Ave	1.279	1.350	0.0100	52800	50000	5.5	20.0
Fluoranthene	Ave	1.170	1.205	0.0100	51500	50000	3.0	20.0
Benzidine	Ave	0.5656	0.2226	0.0100	19700	50000	-60.6*	25.0
Pyrene	Ave	1.172	1.189	0.0100	50700	50000	1.5	20.0
Butyl benzyl phthalate	Ave	0.5837	0.6120	0.0100	52400	50000	4.8	20.0
3,3'-Dimethylbenzidine	Ave	0.5933	0.2782	0.0100	23400	50000	-53.1	100.0
3,3'-Dichlorobenzidine	Ave	0.4371	0.4351	0.0100	49800	50000	-0.5	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.8068	0.8521	0.0100	52800	50000	5.6	20.0
Benz(a)anthracene	Ave	1.127	1.099	0.0100	48800	50000	-2.5	20.0
Chrysene	Ave	1.137	1.197	0.0100	52600	50000	5.2	20.0
Di-n-octyl phthalate	Ave	1.293	1.365	0.0100	52800	50000	5.6	20.0
Benzo(b)fluoranthene	Ave	0.997	0.995	0.0100	49900	50000	-0.1	20.0
Benzo(k)fluoranthene	Ave	1.214	1.316	0.0100	54200	50000	8.4	20.0
Benzo(a)pyrene	Ave	0.9186	0.9022	0.0100	49100	50000	-1.8	20.0
Indeno(1,2,3-cd)pyrene	Ave	1.177	1.215	0.0100	51600	50000	3.2	20.0
Dibenz(a,h)anthracene	Ave	1.014	0.9929	0.0100	48900	50000	-2.1	20.0
Benzo(ghi)perylene	Ave	0.9485	1.040	0.0100	54800	50000	9.6	20.0
2-Fluorophenol	Ave	1.263	0.9372	0.0100	37100	50000	-25.8*	25.0
Phenol-d5	Ave	1.487	1.338	0.0100	45000	50000	-10.1	25.0
Nitrobenzene-d5	Ave	0.3179	0.3380	0.0100	53200	50000	6.3	25.0
2-Fluorobiphenyl	Ave	1.233	1.303	0.0100	52900	50000	5.7	25.0
2,4,6-Tribromophenol	Ave	0.1066	0.1117	0.0100	52400	50000	4.8	25.0
p-Terphenyl-d14	Ave	0.9104	0.9212	0.0100	50600	50000	1.2	25.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973V\20121229-17933.b\V7894.D
Lims ID: CCVIS 8270 Client ID:
Inject. Date: 29-Dec-2012 13:40:30 Dil. Factor: 1.0000
Sample Type: CCVIS
Sample ID: 480-0017933-002
Misc. Info.:
Operator: hl Instrument ID: HP5973V
Injection Vol: 1.0 ul ALS Bottle#: 3
Lims Batch ID: 97808 Lims Sample ID: 2
Sublist: chrom-V-8270*sub31
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973V\20121229-17933.b\V-8270.m
Last Update: 31-Dec-2012 14:14:41 Calib Date: 13-Dec-2012 16:31:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973V\20121213-17520.b\V7504.D
Limit Group: MB - 8270C ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: RXI-5Sil MS Column Dia: 0.25 mm
Process Host: XAWRK034

First Level Reviewer: lyh Date: 31-Dec-2012 14:14:41

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.087	6.087	0.0	93	132892	40.0	
* 2 Naphthalene-d8	136	7.743	7.743	0.0	98	521134	40.0	
* 3 Acenaphthene-d10	164	10.008	10.008	0.0	89	308555	40.0	
* 4 Phenanthrene-d10	188	11.702	11.702	0.0	97	500715	40.0	
* 5 Chrysene-d12	240	14.197	14.197	0.0	94	516878	40.0	
* 6 Perylene-d12	264	15.618	15.618	0.0	98	528827	40.0	
$ 7 2-Fluorophenol	112	4.404	4.404	0.0	81	155685	37.1	
$ 8 Phenol-d5	99	5.612	5.612	0.0	94	222195	45.0	
$ 9 Nitrobenzene-d5	82	6.808	6.808	0.0	82	220189	53.2	
$ 10 2-Fluorobiphenyl	172	9.148	9.148	0.0	100	502674	52.9	
$ 11 2,4,6-Tribromophenol	330	10.954	10.954	0.0	91	69911	52.4	
$ 12 p-Terphenyl-d14	244	13.240	13.240	0.0	97	595152	50.6	
69 N-Nitrosodimethylamine	42	2.860	2.860	0.0	84	82678	46.4	
70 Pyridine	52	2.914	2.914	0.0	94	116348	45.1	
81 Phenol	94	5.628	5.628	0.0	98	253741	48.6	
82 Aniline	93	5.660	5.660	0.0	88	251491	40.0	
83 Bis(2-chloroethyl)ether	93	5.745	5.745	0.0	98	210481	50.5	
84 2-Chlorophenol	128	5.815	5.815	0.0	93	245973	51.2	
87 1,3-Dichlorobenzene	146	6.012	6.012	0.0	97	263830	50.9	
88 1,4-Dichlorobenzene	146	6.108	6.108	0.0	86	271300	50.6	
90 Benzyl alcohol	108	6.269	6.269	0.0	95	152252	52.6	
91 1,2-Dichlorobenzene	146	6.306	6.306	0.0	92	255475	50.9	
92 2-Methylphenol	108	6.418	6.418	0.0	94	197568	49.3	
93 2,2'-oxybis[1-chloropropane]	45	6.445	6.445	0.0	89	228160	49.8	
95 N-Nitrosodi-n-propylamine	70	6.616	6.616	0.0	83	152558	51.6	
96 4-Methylphenol	108	6.621	6.621	0.0	95	217451	51.4	
99 Hexachloroethane	117	6.739	6.739	0.0	91	95138	50.9	
102 Nitrobenzene	77	6.835	6.835	0.0	84	221864	52.7	
106 Isophorone	82	7.145	7.145	0.0	96	389909	52.7	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
107 2-Nitrophenol	139	7.246	7.246	0.0	89	133658	54.0	
108 2,4-Dimethylphenol	107	7.316	7.316	0.0	94	213309	50.7	
110 Tetraethyl lead	237	7.353	7.353	0.0	89	40760	29.0	
111 Bis(2-chloroethoxy)methane	93	7.439	7.439	0.0	98	240846	50.7	
115 Benzoic acid	105	7.540	7.540	0.0	81	468749	151.5	
114 2,4-Dichlorophenol	162	7.567	7.567	0.0	86	193469	51.1	
117 1,2,4-Trichlorobenzene	180	7.668	7.668	0.0	92	203857	50.8	
118 Naphthalene	128	7.770	7.770	0.0	95	677789	50.6	
119 4-Chloroaniline	127	7.850	7.850	0.0	86	267375	47.4	
121 Hexachlorobutadiene	225	7.930	7.930	0.0	96	110861	50.2	
129 4-Chloro-3-methylphenol	107	8.491	8.491	0.0	89	191096	51.5	
131 2-Methylnaphthalene	142	8.667	8.667	0.0	91	448932	51.1	
134 Hexachlorocyclopentadiene	237	8.870	8.870	0.0	86	120442	50.1	
137 2,4,6-Trichlorophenol	196	9.041	9.041	0.0	89	129050	53.2	
138 2,4,5-Trichlorophenol	196	9.095	9.095	0.0	95	131982	49.8	
141 2-Chloronaphthalene	162	9.298	9.298	0.0	95	442562	53.6	
143 2-Nitroaniline	65	9.442	9.442	0.0	88	111321	54.8	
146 Dimethyl phthalate	163	9.688	9.688	0.0	99	507112	52.3	
149 2,6-Dinitrotoluene	165	9.763	9.763	0.0	94	120074	54.9	
150 Acenaphthylene	152	9.832	9.832	0.0	91	684112	53.2	
151 3-Nitroaniline	138	9.982	9.982	0.0	96	131269	51.4	
152 Acenaphthene	153	10.051	10.051	0.0	93	432584	51.4	
153 2,4-Dinitrophenol	184	10.115	10.115	0.0	80	58643	52.0	
154 4-Nitrophenol	109	10.227	10.227	0.0	82	57276	53.8	
155 Dibenzofuran	168	10.265	10.265	0.0	88	612167	51.5	
156 2,4-Dinitrotoluene	165	10.265	10.265	0.0	94	165537	54.2	
161 Diethyl phthalate	149	10.553	10.553	0.0	97	507726	53.3	
162 Fluorene	166	10.671	10.671	0.0	82	500389	51.5	
163 4-Chlorophenyl phenyl ether	204	10.676	10.676	0.0	87	233798	51.3	
164 4-Nitroaniline	138	10.719	10.719	0.0	85	134269	50.0	
165 4,6-Dinitro-2-methylphenol	198	10.745	10.745	0.0	79	83745	50.5	
168 N-Nitrosodiphenylamine	169	10.815	10.815	0.0	58	352805	50.5	
170 1,2-Diphenylhydrazine	77	10.858	10.858	0.0	96	449163	52.9	
175 4-Bromophenyl phenyl ether	248	11.226	11.226	0.0	59	133391	50.4	
179 Hexachlorobenzene	284	11.290	11.290	0.0	90	152704	49.9	
183 Pentachlorophenol	266	11.509	11.509	0.0	83	71194	44.2	
188 Phenanthrene	178	11.728	11.728	0.0	96	703697	51.5	
189 Anthracene	178	11.782	11.782	0.0	97	715729	51.2	
192 Carbazole	167	11.953	11.953	0.0	82	688084	48.7	
195 Di-n-butyl phthalate	149	12.289	12.289	0.0	99	844723	52.8	
201 Fluoranthene	202	12.898	12.898	0.0	97	753989	51.5	
202 Benzidine	184	13.021	13.021	0.0	95	143827	19.7	
204 Pyrene	202	13.112	13.112	0.0	97	768181	50.7	
210 Butyl benzyl phthalate	149	13.668	13.668	0.0	96	395383	52.4	
209 3,3'-Dimethylbenzidine	212	13.673	13.673	0.0	92	174106	23.4	
215 3,3'-Dichlorobenzidine	252	14.149	14.149	0.0	66	281100	49.8	
216 Bis(2-ethylhexyl) phthalate	149	14.154	14.154	0.0	94	550525	52.8	
217 Benzo[a]anthracene	228	14.186	14.186	0.0	96	710044	48.8	
218 Chrysene	228	14.218	14.218	0.0	93	773074	52.6	
220 Di-n-octyl phthalate	149	14.731	14.731	0.0	99	881612	52.8	
221 Benzo[b]fluoranthene	252	15.206	15.206	0.0	93	657956	49.9	
222 Benzo[k]fluoranthene	252	15.238	15.238	0.0	99	869854	54.2	

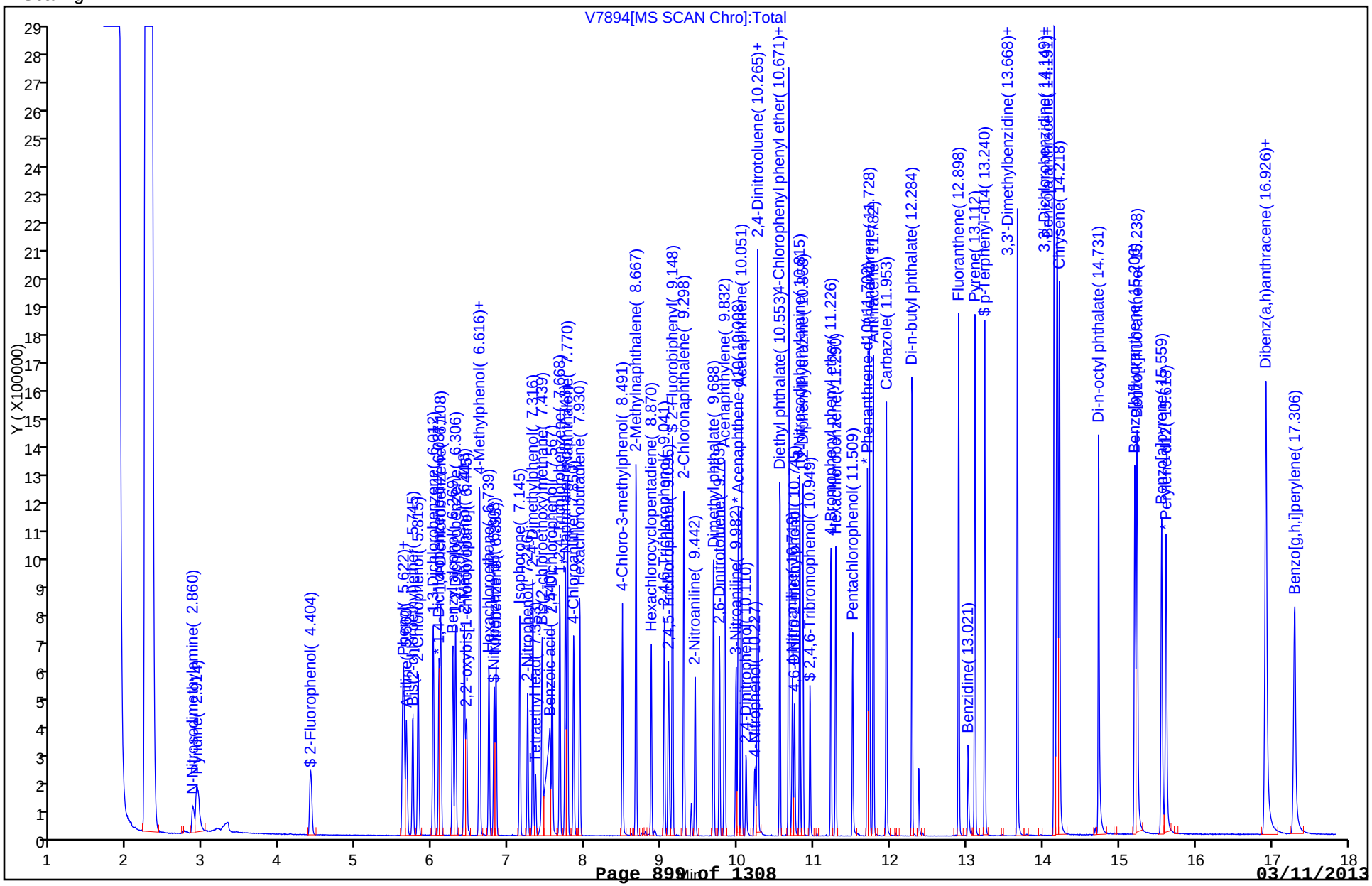
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
225 Benzo[a]pyrene	252	15.559	15.559	0.0	74	596408	49.1	
227 Indeno[1,2,3-cd]pyrene	276	16.926	16.926	0.0	95	803281	51.6	
228 Dibenz(a,h)anthracene	278	16.932	16.932	0.0	55	656314	48.9	
229 Benzo[g,h,i]perylene	276	17.306	17.306	0.0	92	687419	54.8	
S 232 Total Cresols	1				0		100.7	
S 234 3 & 4 Methylphenol	108				0		51.4	
S 233 3-Methylphenol	1				0		51.4	

Report Date: 31-Dec-2012 14:14:41 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973V\20121229-17933.b\V7894.D		
Injection Date:	29-Dec-2012 13:40:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	97808	Lims Sample ID:	2
Operator ID:	hl	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:



TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973V\20121213-17520.b\V7493.D		
Lims ID:	DFTPP	Client ID:	
Inject. Date:	13-Dec-2012 12:43:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	dftpp		
Misc. Info.:			
Operator:	hl	Instrument ID:	HP5973V
Injection Vol:	1.0 ul	ALS Bottle#:	9
Lims Batch ID:	95638	Lims Sample ID:	1
Detector:	MS SCAN		

Method:	\\Bufchrom\ChromData\HP5973V\20121213-17520.b\V-8270.m		
Last Update:	14-Dec-2012 09:44:01	Calib Date:	13-Dec-2012 16:31:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973V\20121213-17520.b\V7504.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm
Process Host:	XAWRK024		

First Level Reviewer: lyh Date: 14-Dec-2012 09:42:29

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
104 Pentachlorophenol_T	266	7.039	7.039	0.0	87	73055	0	
112 DFTPP								
130 4,4'-DDE	246		7.455					9
128 Benzidine_T	184	8.471	8.471	0.0	98	520311	0	
136 4,4'-DDD	235		8.925					9
139 4,4'-DDT	235	9.187	9.187	0.0	94	213966	0	

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

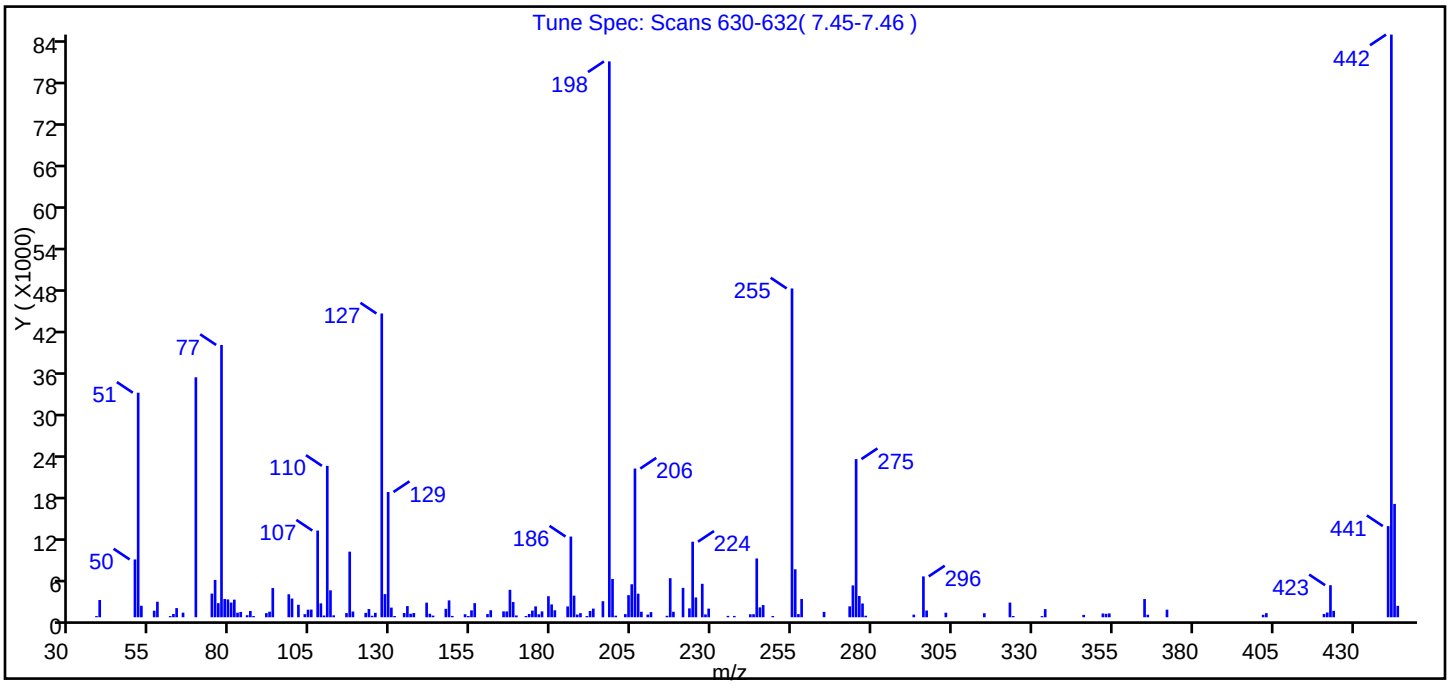
Report Date: 14-Dec-2012 09:44:01 Chrom Revision: 2.0 22-Oct-2012 16:30:48

MS Tune Report

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973V\20121213-17520.b\V7493.D		
Injection Date:	13-Dec-2012 12:43:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	95638	Lims Sample ID:	1
Operator ID:	hl	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm
Tune Method:	DFTPP Method 8270		

112 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	40.40
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Present	43.17
70	Less than 2.00% of mass 69	0.00 (0.00)
127	40.00 - 60.00% of mass 198	54.65
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.89
275	10.00 - 30.00% of mass 198	28.46
365	Greater than 1.00% of mass 198	3.28
441	Present, but less than mass 443%	16.40 (80.42)
442	Greater than 40.00% of mass 198	104.82
443	17.00 - 23.00% of mass 442	20.39 (19.45)

Data File: \\Bufchrom\ChromData\HP5973V\20121213-17520.b\V7493.D\V-8270.rslt\spectra.d
Injection Date: 13-Dec-2012 12:43:30
Spectrum: Tune Spec: Scans 630-632(7.45-7.46)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 157

m/z	Y	m/z	Y	m/z	Y	m/z	Y
38.00	170	116.00	604	180.00	1854	255.00	47480
39.00	2493	117.00	9470	181.00	1011	256.00	6926
50.00	8347	118.00	829	185.00	1562	257.00	460
51.00	32424	122.00	632	186.00	11654	258.00	2642
52.00	1657	123.00	1181	187.00	3120	265.00	780
56.00	947	124.00	216	188.00	393	273.00	1576
57.00	2245	125.00	639	189.00	595	274.00	4599
61.00	172	127.00	43864	191.00	176	275.00	22840
62.00	471	128.00	3345	192.00	911	276.00	3067
63.00	1324	129.00	18088	193.00	1251	277.00	1987
65.00	663	130.00	1393	196.00	2316	278.00	222
69.00	34648	131.00	181	198.00	80264	293.00	375
74.00	3418	134.00	617	199.00	5530	296.00	5901
75.00	5390	135.00	1614	200.00	227	297.00	969
76.00	2036	136.00	502	203.00	453	303.00	658
77.00	39320	137.00	617	204.00	3197	315.00	578
78.00	2634	141.00	2108	205.00	4766	323.00	2114
79.00	2573	142.00	506	206.00	21472	324.00	180
80.00	2122	143.00	238	207.00	3402	333.00	171
81.00	2544	147.00	1217	208.00	790	334.00	1174
82.00	658	148.00	2436	210.00	382	346.00	340
83.00	770	149.00	191	211.00	743	352.00	545
85.00	295	153.00	436	216.00	211	353.00	502
86.00	909	154.00	177	217.00	5645	354.00	552
87.00	174	155.00	998	218.00	788	365.00	2629
91.00	597	156.00	2037	221.00	4239	366.00	367
92.00	803	160.00	464	223.00	1287	372.00	1096
93.00	4216	161.00	1016	224.00	10909	402.00	350
98.00	3321	165.00	853	225.00	2861	403.00	596
99.00	2696	166.00	847	227.00	4829	421.00	481
101.00	1801	167.00	3965	228.00	410	422.00	689
103.00	447	168.00	2199	229.00	1248	423.00	4629
104.00	1091	169.00	260	235.00	197	424.00	928

Report Date: 14-Dec-2012 09:44:01 Chrom Revision: 2.0 22-Oct-2012 16:30:48
Data File: \\Bufchrom\ChromData\HP5973V\20121213-17520.b\V7493.D\V-8270.rslt\spectra.d
Injection Date: 13-Dec-2012 12:43:30
Spectrum: Tune Spec: Scans 630-632(7.45-7.46)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 157

m/z	Y	m/z	Y	m/z	Y	m/z	Y
105.00	1109	172.00	178	237.00	191	441.00	13163
107.00	12519	173.00	473	242.00	432	442.00	84136
108.00	2007	174.00	963	243.00	441	443.00	16368
109.00	248	175.00	1570	244.00	8489	444.00	1649
110.00	21864	176.00	425	245.00	1429		
111.00	3890	177.00	851	246.00	1766		
112.00	277	179.00	3042	249.00	185		

Breakdown Report

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973V\20121213-17520.b\V7493.D		
Injection Date:	13-Dec-2012 12:43:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	95638	Lims Sample ID:	1
Operator ID:	hl	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

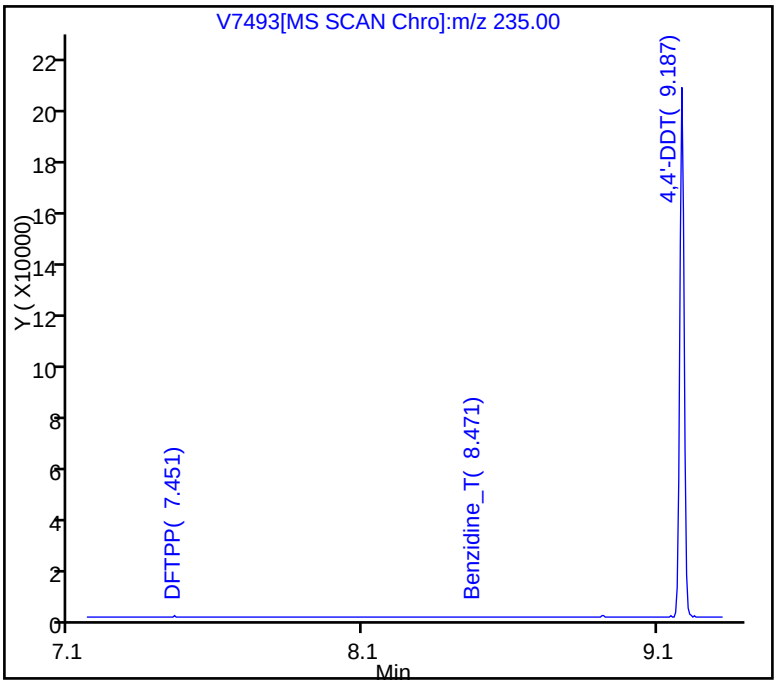
139 4,4'-DDT, Detector: MS SCAN

SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

139 4,4'-DDT, Area = 213966
136 4,4'-DDD, Area = 0
130 4,4'-DDE, Area = 0

%Breakdown: 0.00%, Max Limit: 20.00%
Passed



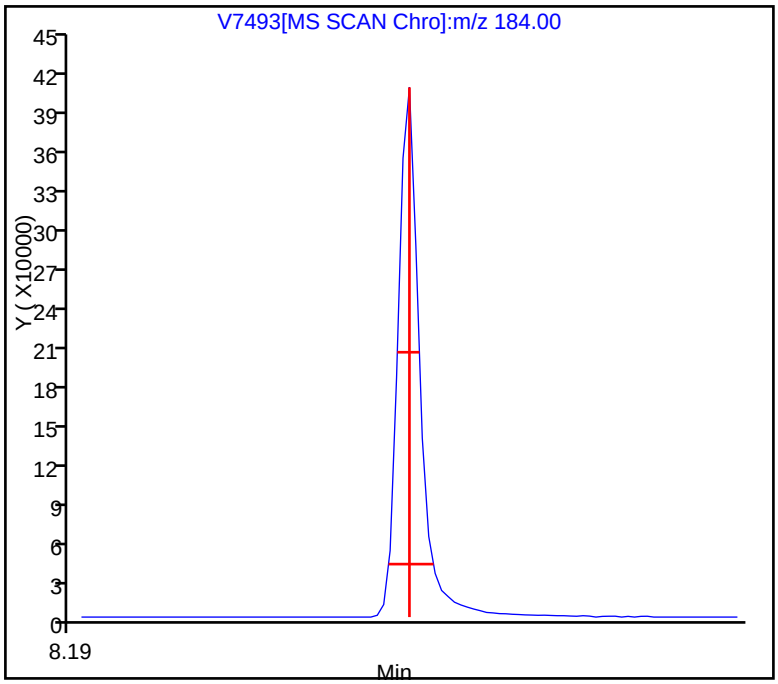
Report Date: 14-Dec-2012 09:44:01 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Peak Tailing Report

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973V\20121213-17520.b\V7493.D		
Injection Date:	13-Dec-2012 12:43:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	95638	Lims Sample ID:	1
Operator ID:	hl	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

128 Benzidine_T, Detector: MS SCAN



Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.020 (min.)
Front Width = 0.017 (min.)

Tailing Factor = 1.2, Max. Tailing < 3.00
Passed

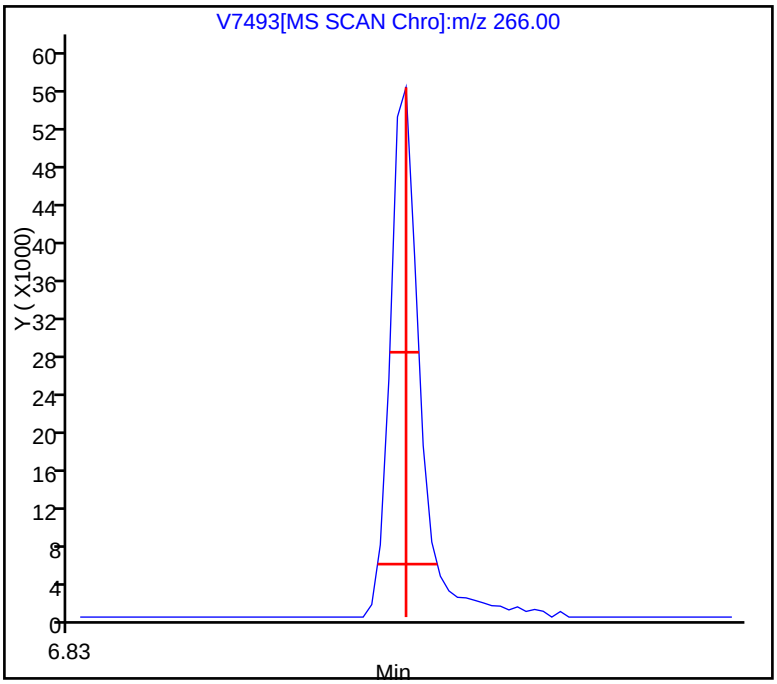
Report Date: 14-Dec-2012 09:44:01 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Peak Tailing Report

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973V\20121213-17520.b\V7493.D		
Injection Date:	13-Dec-2012 12:43:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	95638	Lims Sample ID:	1
Operator ID:	hl	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

104 Pentachlorophenol_T, Detector: MS SCAN



Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.019 (min.)
Front Width = 0.018 (min.)

Tailing Factor = 1.1, Max. Tailing < 5.00
Passed

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973V\20121229-17933.b\V7893.D		
Lims ID:	DFTPP	Client ID:	
Inject. Date:	29-Dec-2012 13:24:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	480-0017933-001		
Misc. Info.:			
Operator:	hl	Instrument ID:	HP5973V
Injection Vol:	1.0 ul	ALS Bottle#:	2
Lims Batch ID:	97808	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973V\20121229-17933.b\V-8270.m		
Last Update:	31-Dec-2012 14:12:49	Calib Date:	13-Dec-2012 16:31:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973V\20121213-17520.b\V7504.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm
Process Host:	XAWRK034		

First Level Reviewer: lyh Date: 31-Dec-2012 14:12:49

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
104 Pentachlorophenol_T	266	7.045	7.045	0.0	86	69375	0	
112 DFTPP								
130 4,4'-DDE	246		7.455					9
128 Benzidine_T	184	8.476	8.476	0.0	98	520654	0	
136 4,4'-DDD	235		8.925					
139 4,4'-DDT	235	9.192	9.192	0.0	95	242537	0	

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

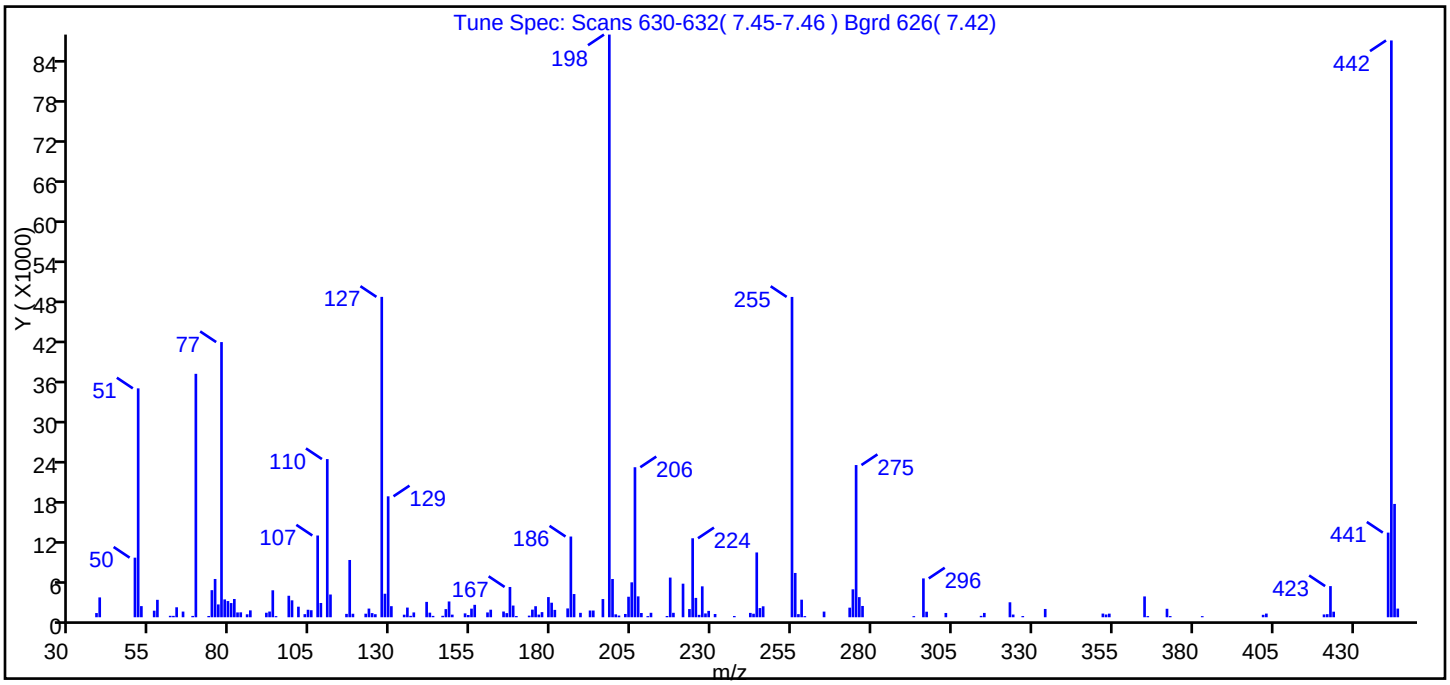
Report Date: 31-Dec-2012 14:12:49 Chrom Revision: 2.0 22-Oct-2012 16:30:48

MS Tune Report

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973V\20121229-17933.b\V7893.D		
Injection Date:	29-Dec-2012 13:24:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	97808	Lims Sample ID:	1
Operator ID:	hl	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm
Tune Method:	DFTPP Method 8270		

112 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	39.28
68	Less than 2.00% of mass 69	0.23 (0.55)
69	Present	41.78
70	Less than 2.00% of mass 69	0.00 (0.00)
127	40.00 - 60.00% of mass 198	54.99
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.57
275	10.00 - 30.00% of mass 198	26.12
365	Greater than 1.00% of mass 198	3.57
441	Present, but less than mass 443%	14.53 (74.69)
442	Greater than 40.00% of mass 198	98.99
443	17.00 - 23.00% of mass 442	19.45 (19.65)

Data File: \\Bufchrom\ChromData\HP5973V\20121229-17933.b\V7893.D\V-8270.rslt\spectra.d
Injection Date: 29-Dec-2012 13:24:30
Spectrum: Tune Spec: Scans 630-632(7.45-7.46) Bgrd 626(7.42)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 157

m/z	Y	m/z	Y	m/z	Y	m/z	Y
38.00	632	116.00	507	181.00	1109	257.00	469
39.00	2982	117.00	8603	185.00	1326	258.00	2640
50.00	8951	118.00	527	186.00	12127	259.00	170
51.00	34384	122.00	533	187.00	3487	265.00	851
52.00	1673	123.00	1303	189.00	665	273.00	1441
56.00	985	124.00	622	192.00	1012	274.00	4197
57.00	2619	125.00	458	193.00	1011	275.00	22864
61.00	216	127.00	48128	196.00	2734	276.00	3022
62.00	210	128.00	3532	198.00	87528	277.00	1696
63.00	1499	129.00	18168	199.00	5748	293.00	169
65.00	855	130.00	1664	200.00	440	296.00	5835
68.00	200	134.00	386	201.00	254	297.00	834
69.00	36568	135.00	1454	203.00	494	303.00	644
73.00	191	136.00	213	204.00	3081	314.00	208
74.00	4070	137.00	726	205.00	5246	315.00	650
75.00	5750	141.00	2310	206.00	22536	323.00	2250
76.00	1927	142.00	690	207.00	3136	324.00	407
77.00	41336	143.00	206	208.00	641	327.00	179
78.00	2680	146.00	218	210.00	172	334.00	1245
79.00	2433	147.00	1222	211.00	670	352.00	552
80.00	2132	148.00	2371	216.00	186	353.00	417
81.00	2744	149.00	394	217.00	5960	354.00	542
82.00	724	153.00	583	218.00	668	365.00	3129
83.00	740	154.00	336	221.00	5045	366.00	174
85.00	445	155.00	1294	223.00	1233	372.00	1275
86.00	1034	156.00	1866	224.00	11866	373.00	179
91.00	680	160.00	724	225.00	2908	383.00	170
92.00	860	161.00	1134	226.00	360	402.00	368
93.00	4051	165.00	862	227.00	4645	403.00	554
94.00	172	166.00	621	228.00	575	421.00	424
98.00	3230	167.00	4549	229.00	958	422.00	463
99.00	2543	168.00	1758	231.00	490	423.00	4678
101.00	1587	169.00	181	237.00	186	424.00	837

Report Date: 31-Dec-2012 14:12:49 Chrom Revision: 2.0 22-Oct-2012 16:30:48
Data File: \\Bufchrom\ChromData\HP5973V\20121229-17933.b\V7893.D\V-8270.rslt\spectra.d
Injection Date: 29-Dec-2012 13:24:30
Spectrum: Tune Spec: Scans 630-632(7.45-7.46) Bgrd 626(7.42)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 157

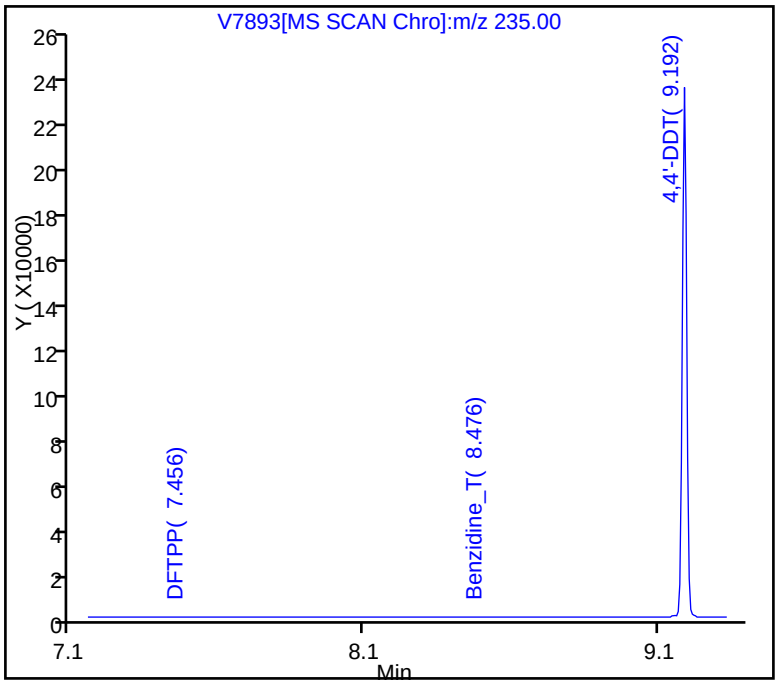
m/z	Y	m/z	Y	m/z	Y	m/z	Y
103.00	466	173.00	242	242.00	654	441.00	12715
104.00	1127	174.00	1145	243.00	527	442.00	86648
105.00	1056	175.00	1658	244.00	9736	443.00	17024
107.00	12281	176.00	400	245.00	1380	444.00	1302
108.00	2143	177.00	770	246.00	1645		
110.00	23760	179.00	3030	255.00	48120		
111.00	3417	180.00	2185	256.00	6655		

Breakdown Report

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973V\20121229-17933.b\V7893.D		
Injection Date:	29-Dec-2012 13:24:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	97808	Lims Sample ID:	1
Operator ID:	hl	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

139 4,4'-DDT, Detector: MS SCAN



SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

139 4,4'-DDT, Area = 242537
136 4,4'-DDD, Area = 0
130 4,4'-DDE, Area = 0

%Breakdown: 0.00%, Max Limit: 20.00%
Passed

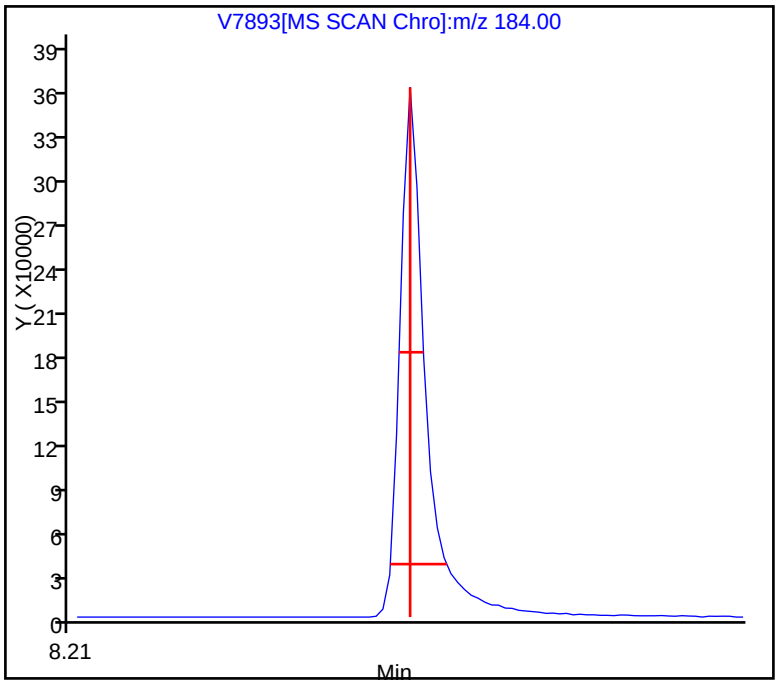
Report Date: 31-Dec-2012 14:12:49 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Peak Tailing Report

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973V\20121229-17933.b\V7893.D		
Injection Date:	29-Dec-2012 13:24:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	97808	Lims Sample ID:	1
Operator ID:	hl	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

128 Benzidine_T, Detector: MS SCAN



Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.029 (min.)
Front Width = 0.016 (min.)

Tailing Factor = 1.8, Max. Tailing < 3.00
Passed

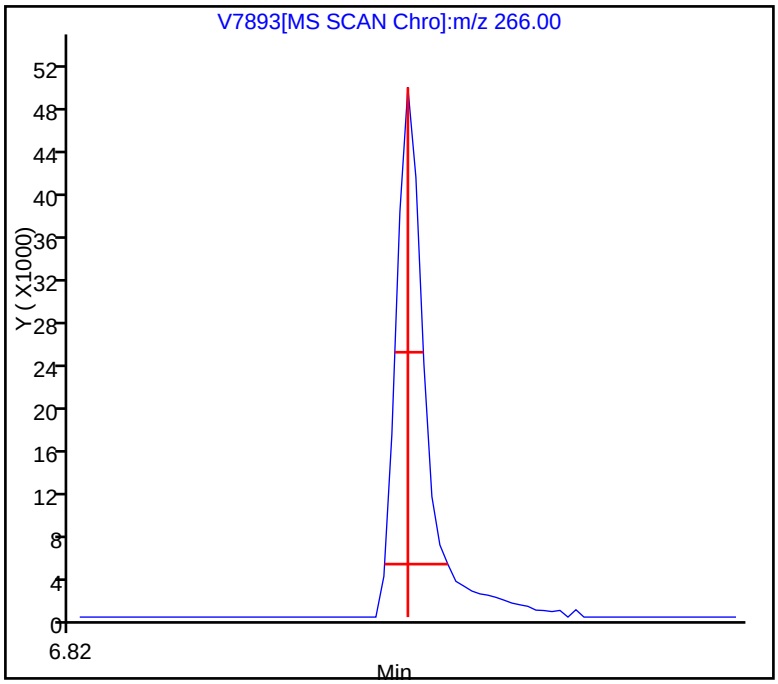
Report Date: 31-Dec-2012 14:12:49 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Peak Tailing Report

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973V\20121229-17933.b\V7893.D		
Injection Date:	29-Dec-2012 13:24:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	97808	Lims Sample ID:	1
Operator ID:	hl	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

104 Pentachlorophenol_T, Detector: MS SCAN



Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.027 (min.)
Front Width = 0.016 (min.)

Tailing Factor = 1.7, Max. Tailing < 5.00
Passed

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo
Job No.: 480-30197-1
SDG No.:
Client Sample ID:
Lab Sample ID: MB 480-96085/1-E
Matrix: Solid
Lab File ID: V7919.D
Analysis Method: 8270C
Date Collected:
Extract. Method: 3546
Date Extracted: 12/19/2012 08:06
Sample wt/vol: 000010.8(g)
Date Analyzed: 12/29/2012 23:44
Con. Extract Vol.: 2(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
Level: (low/med) Low
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 97808
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
91-57-6	2-Methylnaphthalene	ND		940	940
83-32-9	Acenaphthene	ND		940	940
208-96-8	Acenaphthylene	ND		940	940
120-12-7	Anthracene	ND		940	940
56-55-3	Benz(a)anthracene	ND		940	940
50-32-8	Benzo(a)pyrene	ND		940	940
205-99-2	Benzo(b)fluoranthene	ND		940	940
191-24-2	Benzo(ghi)perylene	ND		940	940
207-08-9	Benzo(k)fluoranthene	ND		940	940
218-01-9	Chrysene	ND		940	940
53-70-3	Dibenz(a,h)anthracene	ND		940	940
206-44-0	Fluoranthene	ND		940	940
86-73-7	Fluorene	ND		940	940
193-39-5	Indeno(1,2,3-cd)pyrene	ND		940	940
91-20-3	Naphthalene	ND		940	940
85-01-8	Phenanthrene	ND		940	940
129-00-0	Pyrene	ND		940	940

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973V\20121229-17933.b\V7919.D
Lims ID: MB 480-96085/1-E Client ID:
Inject. Date: 29-Dec-2012 23:44:30 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: 480-0017933-027
Misc. Info.:
Operator: hl Instrument ID: HP5973V
Injection Vol: 1.0 ul ALS Bottle#: 28
Lims Batch ID: 97808 Lims Sample ID: 27
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973V\20121229-17933.b\V-8270.m
Last Update: 03-Jan-2013 10:12:50 Calib Date: 13-Dec-2012 16:31:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973V\20121213-17520.b\V7504.D
Limit Group: MB - 8270C ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: RXI-5Sil MS Column Dia: 0.25 mm
Process Host: XAWRK035

First Level Reviewer: lyh Date: 03-Jan-2013 10:12:50

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.093	6.087	0.005	93	141251	40.0	
* 2 Naphthalene-d8	136	7.743	7.743	0.0	99	548242	40.0	
* 3 Acenaphthene-d10	164	10.008	10.008	0.0	91	321720	40.0	
* 4 Phenanthrene-d10	188	11.702	11.702	0.0	98	516715	40.0	
* 5 Chrysene-d12	240	14.191	14.191	0.0	98	602879	40.0	
* 6 Perylene-d12	264	15.612	15.618	-0.006	97	523269	40.0	
$ 7 2-Fluorophenol	112		4.404					
$ 8 Phenol-d5	99		5.612					
$ 9 Nitrobenzene-d5	82		6.808					
$ 10 2-Fluorobiphenyl	172	9.148	9.148	0.0	99	220753	22.3	
$ 11 2,4,6-Tribromophenol	330		10.954					
$ 12 p-Terphenyl-d14	244		13.240					
59 o-Anisidine	1		0.000					
14 2,4-Xylidine TIC	1		0.000					
53 2-Methylanthracene	1		0.000					
36 Benzeneacetonitrile	1		0.000					
48 CBF-400	1		0.000					
58 1,3,5-Trichlorobenzene	180		0.000					
44 1-Methylcyclopentanol	1		0.000					
30 3-Chlorobenzotrifluoride	1		0.000					
42 2-Chlorobenzotrifluoride	1		0.000					
43 CN-500	1		0.000					
32 Benzo[j]fluoranthene	1		0.000					
55 5-Methyl-o-Anisidine TIC	1		0.000					
15 Lidocaine	1		0.000					
40 CU-600	1		0.000					
61 4-Chlorobenzotrifluoride	1		0.000					
39 4-Chlorotoluene	91		0.000					
62 Dibenz[a,j]acridine	279		0.000					
34 3-Chlorotoluene	1		0.000					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
13 N-Methylaniline	1		0.000					
25 5-Ethyl-5-phenyl barbituric acid	1		0.000					
19 4,4'-Methylene bis(2-chloroanili	1		0.000					
21 2,6-Dichlorotoluene	1		0.000					
37 4-Chlorophenol	1		0.000					
38 Tetramethyl lead TIC	1		0.000					
24 o-Anisidine TIC	1		0.000					
63 1,2:7,8-Dibenzpyrene	1		0.000					
56 7H-Dibenzo[c,g]carbazole	1		0.000					
31 Pendimethalin	1		0.000					
64 Tris(2,3-dibromopropyl)phosphate	1		0.000					
26 NVF-400	1		0.000					
51 Benzo[e]pyrene	1		0.000					
16 Dibenzo[a,h]pyrene	1		0.000					
45 2-Aminopyridine	1		0.000					
27 2,3,7,8-TCDD	1		0.000					
29 2,3-Dichlorophenol	1		0.000					
33 2-Chlorotoluene	91		0.000					
23 1,3-phenylenediamine TIC	1		0.000					
35 n,n'-Dimethylacetamide	1		0.000					
46 1,2,3,4 -Tetrachlorobenzene	216		0.000					
57 2,4-Toluene diamine	1		0.000					
67 1-Bromopropane	1		0.000					
49 Chlorobenzotrifluoride N.O.S	1		0.000					
47 CAG-800	1		0.000					
60 CBF-500	1		0.000					
41 5-Methyl-o-Anisidine	1		0.000					
18 4,4'-Methylene bis(2-chloroanili	1		0.000					
54 Dibenz[a,h]acridine	279		0.000					
66 2,3-Dichlorobenzenamine	161		0.000					
65 Hexamethyldisiloxane TIC	1		0.000					
20 Triethyl amine	1		0.000					
52 Chlorotoluene N.O.S	1		0.000					
50 2,4,5-Trichlorotoluene	1		0.000					
28 alpha,alpha-Dimethyl phenethylam	1		0.000					
22 Phenylacetic Acid	1		0.000					
17 2,4-Dichlorotoluene	1		0.000					
68 1,4-Dioxane	88		2.577					
69 N-Nitrosodimethylamine	42		2.860					
70 Pyridine	52		2.914					
71 Dimethylformamide	73		3.266					
72 2-Picoline	93		3.512					
73 N-Nitrosomethylethylamine	88		3.619					
74 Methyl methanesulfonate	80		4.014					
77 N-Nitrosodiethylamine	102		4.559					
75 4-Chloropyridine	78		4.586					1
76 3-Chloropyridine	78		4.671					
78 Ethyl methanesulfonate	79		4.954					
79 2-Chloropyridine	78		5.179					
80 Benzaldehyde	77		5.521					
81 Phenol	94		5.628					
85 Pentachloroethane	167		5.633					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
82 Aniline	93		5.660					
83 Bis(2-chloroethyl)ether	93		5.745					
84 2-Chlorophenol	128		5.815					
86 p-Fluoroaniline	111		5.932					9
89 n-Decane	57		5.998					9
87 1,3-Dichlorobenzene	146		6.012					
88 1,4-Dichlorobenzene	146		6.108					
90 Benzyl alcohol	108		6.269					
91 1,2-Dichlorobenzene	146		6.306					
92 2-Methylphenol	108		6.418					
93 2,2'-oxybis[1-chloropropane]	45		6.445					
97 N-Nitrosopyrrolidine	100		6.493					
98 N-Nitrosomorpholine	56		6.541					
94 Acetophenone	105		6.611					
101 4-Methylbenzenamine	106		6.611					
100 2-Toluidine	106		6.611					
95 N-Nitrosodi-n-propylamine	70		6.616					
96 4-Methylphenol	108		6.621					
99 Hexachloroethane	117		6.739					
102 Nitrobenzene	77		6.835					
103 2,6-Dichloropyridine	112		6.926					
105 N-Nitrosopiperidine	114		6.947					
104 Pentachlorophenol_T	266		7.045					
106 Isophorone	82		7.145					
109 2-Chloroaniline	127		7.145					
107 2-Nitrophenol	139		7.246					
108 2,4-Dimethylphenol	107		7.316					
113 o,o',o''-Triethylphosphorothioat	198		7.348					
110 Tetraethyl lead	237		7.353					
111 Bis(2-chloroethoxy)methane	93		7.439					
130 4,4'-DDE	246		7.455					
116 alpha,alpha-Dimethyl phenethylam	58		7.470					
115 Benzoic acid	105		7.540					
114 2,4-Dichlorophenol	162		7.567					
117 1,2,4-Trichlorobenzene	180		7.668					
120 Alpha-Terpineol	59		7.732					
118 Naphthalene	128		7.770					9
122 2,6-Dichlorophenol	162		7.801					
123 Hexachloropropene	213		7.834					
119 4-Chloroaniline	127		7.850					
121 Hexachlorobutadiene	225		7.930					
125 Quinoline	129		8.190					
126 p-Phenylene diamine	108		8.234					
127 N-Nitrosodi-n-butylamine	84		8.234					
124 Caprolactam	113		8.288					
128 Benzidine_T	184		8.476					
129 4-Chloro-3-methylphenol	107		8.491					
132 Safrole, Total	162		8.566					
131 2-Methylnaphthalene	142		8.667					
133 Phthalic anhydride	104		8.678					
134 Hexachlorocyclopentadiene	237		8.870					
135 1,2,4,5-Tetrachlorobenzene	216		8.886					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
136 4,4'-DDD	235		8.925					
137 2,4,6-Trichlorophenol	196		9.041					
138 2,4,5-Trichlorophenol	196		9.095					
142 Isosafrole	162		9.169					
139 4,4'-DDT	235		9.192					
140 1,1'-Biphenyl	154		9.276					
141 2-Chloronaphthalene	162		9.298					
144 Dicyclohexylamine	138		9.345					
148 1,3-Dinitrobenzene	168		9.357					
147 1,4-Dinitrobenzene	168		9.357					
143 2-Nitroaniline	65		9.442					
145 1,4-Naphthoquinone	158		9.447					
146 Dimethyl phthalate	163		9.688					
149 2,6-Dinitrotoluene	165		9.763					
150 Acenaphthylene	152		9.832					
151 3-Nitroaniline	138		9.982					
152 Acenaphthene	153		10.051					
153 2,4-Dinitrophenol	184		10.115					
157 Pentachlorobenzene	250		10.158					
154 4-Nitrophenol	109		10.227					
155 Dibenzofuran	168		10.265					
156 2,4-Dinitrotoluene	165		10.265					
159 1-Naphthylamine	143		10.280					
160 2-Naphthylamine	143		10.377					
158 2,3,4,6-Tetrachlorophenol	232		10.420					
169 Diphenylamine	169		10.457					
171 Azobenzene	77		10.494					
161 Diethyl phthalate	149		10.553					
166 Thionazin	97		10.574					
167 N-Nitro-o-toluidine	152		10.617					
162 Fluorene	166		10.671					
163 4-Chlorophenyl phenyl ether	204		10.676					
164 4-Nitroaniline	138		10.719					
172 Tributyl phosphate	99		10.740					
165 4,6-Dinitro-2-methylphenol	198		10.745					
168 N-Nitrosodiphenylamine	169		10.815					
174 1,3,5-Trinitrobenzene	213		10.836					
170 1,2-Diphenylhydrazine	77		10.858					
176 Diallate	43		10.884					
173 Sulfotepp	322		10.943					
177 Phorate	75		11.082					
178 Phenacetin	108		11.103					
175 4-Bromophenyl phenyl ether	248		11.226					
181 Dimethoate	87		11.263					
182 n-Octadecane	57		11.265					
179 Hexachlorobenzene	284		11.290					
184 Simazine	201		11.355					
180 Atrazine	200		11.413					
185 4-Aminobiphenyl	169		11.434					
186 Pentachloronitrobenzene	237		11.461					
183 Pentachlorophenol	266		11.509					
187 Pronamide	173		11.515					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
190 Disulfoton	88		11.637					9
191 Dinoseb	211		11.643					
188 Phenanthrene	178		11.728					
189 Anthracene	178		11.782					
192 Carbazole	167		11.953					
193 Methyl parathion	109		12.017					
194 Alachlor	160		12.027					
195 Di-n-butyl phthalate	149		12.289					
196 Ethyl Parathion	97		12.396					
197 4-Nitroquinoline-1-oxide	190		12.423					
198 Anthraquinone	180		12.471					
199 Methapyrilene	58		12.535					
200 Isodrin	193		12.690					
203 1-Hydroxyanthraquinone	224		12.872					
201 Fluoranthene	202		12.898					
202 Benzidine	184		13.021					
204 Pyrene	202		13.112					
205 Aramite, Total	185		13.213					
206 p-Dimethylamino azobenzene	120		13.293					
207 1,4-Dihydroxyanthraquinone	240		13.299					
208 Chlorobenzilate	139		13.336					
211 Famphur	218		13.555					
212 9-Octadecenamide	72		13.614					
213 Kepone	272		13.651					
210 Butyl benzyl phthalate	149		13.668					
209 3,3'-Dimethylbenzidine	212		13.673					
214 2-Acetylaminofluorene	181		13.822					
215 3,3'-Dichlorobenzidine	252		14.149					
216 Bis(2-ethylhexyl) phthalate	149		14.154					
217 Benzo[a]anthracene	228		14.186					9
218 Chrysene	228		14.218					9
219 Tricresyl phosphate	91		14.624					1
220 Di-n-octyl phthalate	149		14.731					
223 7,12-Dimethylbenz(a)anthracene	256		15.062					
221 Benzo[b]fluoranthene	252		15.206					9
224 Hexachlorophene	196		15.227					
222 Benzo[k]fluoranthene	252		15.238					9
225 Benzo[a]pyrene	252		15.559					9
226 3-Methylcholanthrene	252		15.756					9
227 Indeno[1,2,3-cd]pyrene	276		16.926					
228 Dibenz(a,h)anthracene	278		16.932					
229 Benzo[g,h,i]perylene	276		17.306					
230 Benzeneacetic acid (TIC)	302		18.050					
231 Dibenzo[a,e]pyrene	302		19.327					
S 232 Total Cresols	1		0.000					
S 245 EPH Adjustment 1	1		0.000					
S 234 3 & 4 Methylphenol	108		6.497					
S 233 3-Methylphenol	1		6.497					
T 235 Benefin (TIC)	1		0.000					1
T 236 Prometryn (TIC)	1		0.000					1
T 237 Pendimethalin (TIC)	252		0.000					1
T 238 1-Methylnaphthalene (TIC)	142		8.496					1

Report Date: 03-Jan-2013 10:12:50 Chrom Revision: 2.0 22-Oct-2012 16:30:48
Data File: \\Bufchrom\ChromData\HP5973V\20121229-17933.b\V7919.D

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
T 239 trans Azobenzene (TIC)	1		10.691					1

QC Flag Legend

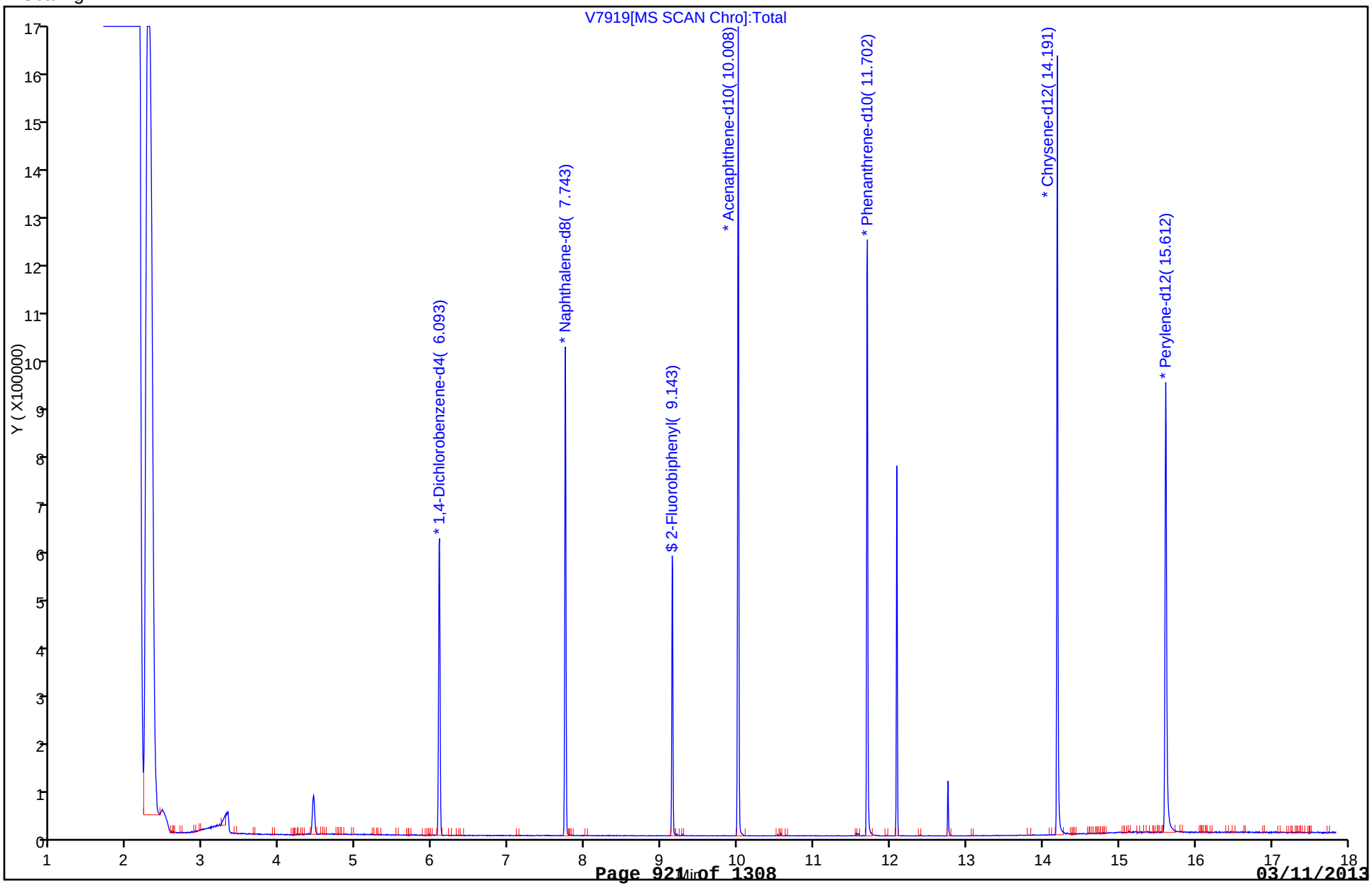
Processing Flags
1 - Missing Peaks
9 - Failed A Reference Spectral Test

Report Date: 03-Jan-2013 10:12:50 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973V\20121229-17933.b\V7919.D		
Injection Date:	29-Dec-2012 23:44:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	97808	Lims Sample ID:	27
Operator ID:	hl	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:



GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-30197-1

SDG No.:

Instrument ID: HP5973V Start Date: 12/13/2012 12:43

Analysis Batch Number: 95638 End Date: 12/13/2012 17:19

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 480-95638/1		12/13/2012 12:43	1	V7493.D	RXI-5Sil MS 0.25(mm)
IC 480-95638/4		12/13/2012 13:49	1	V7496.D	RXI-5Sil MS 0.25(mm)
IC 480-95638/5		12/13/2012 14:26	1	V7497.D	RXI-5Sil MS 0.25(mm)
ICIS 480-95638/6		12/13/2012 14:50	1	V7498.D	RXI-5Sil MS 0.25(mm)
IC 480-95638/8		12/13/2012 15:38	1	V7500.D	RXI-5Sil MS 0.25(mm)
IC 480-95638/9		12/13/2012 16:02	1	V7501.D	RXI-5Sil MS 0.25(mm)
IC 480-95638/7		12/13/2012 16:31	1	V7504.D	RXI-5Sil MS 0.25(mm)
ICV 480-95638/10		12/13/2012 16:55	1		RXI-5Sil MS 0.25(mm)
ICVL 480-95638/11		12/13/2012 17:19	1		RXI-5Sil MS 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-30197-1

SDG No.:

Instrument ID: HP5973V Start Date: 12/29/2012 13:24

Analysis Batch Number: 97808 End Date: 12/30/2012 00:57

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 480-97808/1		12/29/2012 13:24	1	V7893.D	RXI-5Sil MS 0.25(mm)
CCVIS 480-97808/2		12/29/2012 13:40	1	V7894.D	RXI-5Sil MS 0.25(mm)
CCV 480-97808/3		12/29/2012 14:04	1		RXI-5Sil MS 0.25(mm)
MB 480-96085/1-E		12/29/2012 23:44	1	V7919.D	RXI-5Sil MS 0.25(mm)
480-30197-14	OC-SB-533-6.0/8.0-XXX	12/30/2012 00:09	1	V7920.D	RXI-5Sil MS 0.25(mm)
ZZZZZ		12/30/2012 00:33	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		12/30/2012 00:57	1		RXI-5Sil MS 0.25(mm)

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-30197-1

SDG No.:

Batch Number: 96085 Batch Start Date: 12/17/12 07:25 Batch Analyst: Evers, David

Batch Method: 3546 Batch End Date: 12/17/12 15:41

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	O_EPHsurr 00001			
MB 480-96085/1		3546, MA EPH Frac, 8270C		000010.8 g	2 mL	1 mL			
480-30197-A-14	OC-SB-533-6.0/8.0-XXX	3546, MA EPH Frac, 8270C	T	000010.3 g	2 mL	1 mL			

Batch Notes	
Acetone Lot #	K41E20
Balance ID	14552245
Person's name who did the concentration	DLE TR
Exchange Solvent Lot #	0000014962
Exchange Solvent Name	Hexane
Final Concentrator Volume	1 mL
Hexane Lot#	0000014962
MeCL2 Lot #	0000021508
Microwave Start Time	09:23
Microwave Stop Time	10:13
Na2SO4 Lot Number	27862007
Ottawa Sand Lot #	89090
Person's name who did the prep	DLE
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.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-30197-1

SDG No.:

Batch Number: 96535 Batch Start Date: 12/19/12 08:06 Batch Analyst: Evers, David

Batch Method: MA EPH Frac Batch End Date: 12/19/12 15:27

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	O_EPHfracsurr 00005	AnalysisComment		
MB 480-96085/1-A		MA EPH Frac, 8270C		2 mL	2 mL	1 mL	Aromatic		
480-30197-A-14-A	OC-SB-533-6.0/8.0-XXX	MA EPH Frac, 8270C	T	2 mL	2 mL	1 mL	Aromatic		

Batch Notes	
Batch Comment	Silica SPE Lot #: S212-61
Solvent	MeCL2 0000026554/ Acetone 0000025449/ Hexane 14962

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.

MAEPH

Massachusetts - Extractable Petroleum Hydrocarbons (GC)

FORM II
GC SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-30197-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): ZB-5 ID: 0.53 (mm) GC Column (2): ZB-5 ID: 0.53 (mm)

Client Sample ID	Lab Sample ID	FBP1 #	2BN1 #	OTPH1 #	1COD2 #
OC-SB-533-0.0/1.0-XXX	480-30197-13	119	117	86	52
OC-SB-533-6.0/8.0-XXX	480-30197-14	106	105	75	53
OC-SB-533-13/15-XXX	480-30197-15	111	110	85	58
OC-SB-532-0.0/1.0-XXX	480-30197-16	114	113	81	53
OC-SB-532-6.0/8.0-XXX	480-30197-17	116	115	92	65
OC-SB-532-11/13-XXX	480-30197-18	117	116	89	59
OC-SB-534-0.0/1.0-XXX	480-30197-19	119	118	84	59
OC-SB-534-7.0/9.0-XXX	480-30197-20	121	119	87	60
	MB 480-96085/1-D	98	97	79	60
	LCS 480-96085/2-D	105	103	87	61
	LCSD 480-96085/3-D	110	108	88	58

	QC LIMITS
FBP = 2-Fluorobiphenyl	40-140
2BN = 2-Bromonaphthalene	40-140
OTPH = o-Terphenyl	40-140
1COD = 1-Chlorooctadecane	40-140

Column to be used to flag recovery values

FORM II MA-EPH

FORM III
GC SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-30197-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 20_04144.D

Lab ID: LCS 480-96085/2-D Client ID:

COMPOUND	SPIKE ADDED (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC	QC LIMITS REC	#
2-Methylnaphthalene	4.59	3.86	84	40-140	
Acenaphthene	4.59	3.93	86	40-140	
Acenaphthylene	4.59	3.87	84	40-140	
Anthracene	4.59	4.15	91	40-140	
Benzo[a]anthracene	4.59	4.04	88	40-140	
Benzo[a]pyrene	4.59	3.91	85	40-140	
Benzo[b]fluoranthene	4.59	4.08	89	40-140	
Benzo[g,h,i]perylene	4.59	3.37	73	40-140	
Benzo[k]fluoranthene	4.59	3.96	86	40-140	
Chrysene	4.59	4.10	89	40-140	
Dibenz(a,h)anthracene	4.59	3.81	83	40-140	
Fluoranthene	4.59	3.97	87	40-140	
Fluorene	4.59	4.02	88	40-140	
Indeno[1,2,3-cd]pyrene	4.59	3.51	76	40-140	
Naphthalene	4.59	3.63	79	40-140	
Phenanthrene	4.59	4.06	89	40-140	
Pyrene	4.59	4.06	88	40-140	
C11-C22 Aromatics	78.0	65.9	84	40-140	
C19-C36 Aliphatics	36.7	27.0	74	40-140	
C9-C18 Aliphatics	27.5	18.3	67	40-140	

Column to be used to flag recovery and RPD values

FORM III MA-EPH

FORM III
GC SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-30197-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 20_04145.D

Lab ID: LCSD 480-96085/3-D Client ID:

COMPOUND	SPIKE ADDED (mg/Kg)	LCSD CONCENTRATION (mg/Kg)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
2-Methylnaphthalene	4.59	3.93	86	2	25	40-140	
Acenaphthene	4.59	3.98	87	1	25	40-140	
Acenaphthylene	4.59	3.92	85	1	25	40-140	
Anthracene	4.59	4.19	91	1	25	40-140	
Benzo[a]anthracene	4.59	4.05	88	0	25	40-140	
Benzo[a]pyrene	4.59	3.93	86	0	25	40-140	
Benzo[b]fluoranthene	4.59	4.06	89	0	25	40-140	
Benzo[g,h,i]perylene	4.59	3.49	76	4	25	40-140	
Benzo[k]fluoranthene	4.59	3.99	87	1	25	40-140	
Chrysene	4.59	4.13	90	1	25	40-140	
Dibenz(a,h)anthracene	4.59	3.86	84	1	25	40-140	
Fluoranthene	4.59	3.97	87	0	25	40-140	
Fluorene	4.59	4.08	89	1	25	40-140	
Indeno[1,2,3-cd]pyrene	4.59	3.55	77	1	25	40-140	
Naphthalene	4.59	3.73	81	3	25	40-140	
Phenanthrene	4.59	4.11	90	1	25	40-140	
Pyrene	4.59	4.06	89	0	25	40-140	
C11-C22 Aromatics	78.0	66.4	85	1	25	40-140	
C19-C36 Aliphatics	36.7	26.0	71	4	25	40-140	
C9-C18 Aliphatics	27.5	17.8	65	3	25	40-140	

Column to be used to flag recovery and RPD values

FORM III MA-EPH

FORM IV
GC SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-30197-1

SDG No.:

Lab Sample ID: MB 480-96085/1-D

Matrix: Solid Date Extracted: 12/19/2012 08:06

Lab File ID:(1) 20_04143.D Lab File ID:(2) 20_04143.D

Date Analyzed:(1) 12/26/2012 09:43 Date Analyzed:(2) 12/26/2012 09:43

Instrument ID:(1) HP7890-20 Instrument ID:(2) HP7890-20

GC Column:(1) ZB-5 ID: 0.53(mm) GC Column:(2) ZB-5 ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
	LCS 480-96085/2-D	12/26/2012 10:12	12/26/2012 10:12
	LCSD 480-96085/3-D	12/26/2012 10:42	12/26/2012 10:42
OC-SB-533-0.0/1.0-XXX	480-30197-13	12/26/2012 18:03	12/26/2012 18:03
OC-SB-533-6.0/8.0-XXX	480-30197-14	12/26/2012 18:33	12/26/2012 18:33
OC-SB-533-13/15-XXX	480-30197-15	12/26/2012 19:02	12/26/2012 19:02
OC-SB-532-0.0/1.0-XXX	480-30197-16	12/26/2012 19:31	12/26/2012 19:31
OC-SB-532-6.0/8.0-XXX	480-30197-17	12/26/2012 20:01	12/26/2012 20:01
OC-SB-532-11/13-XXX	480-30197-18	12/26/2012 20:31	12/26/2012 20:31
OC-SB-534-0.0/1.0-XXX	480-30197-19	12/26/2012 21:00	12/26/2012 21:00
OC-SB-534-7.0/9.0-XXX	480-30197-20	12/26/2012 21:30	12/26/2012 21:30

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30197-1

SDG No.:

Client Sample ID: OC-SB-533-0.0/1.0-XXX | Lab Sample ID: 480-30197-13

Matrix: Solid | Lab File ID: 20_04160.D

Analysis Method: MA-EPH | Date Collected: 12/13/2012 14:00

Extraction Method: MA EPH Frac | Date Extracted: 12/19/2012 08:06

Sample wt/vol: 000010.4(g) | Date Analyzed: 12/26/2012 18:03

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-5 ID: 0.53(mm)

% Moisture: 5.6 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 97357 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
91-57-6	2-Methylnaphthalene	ND		1.0	1.0
83-32-9	Acenaphthene	ND		1.0	1.0
208-96-8	Acenaphthylene	ND		1.0	1.0
120-12-7	Anthracene	ND		1.0	1.0
56-55-3	Benzo[a]anthracene	ND		1.0	1.0
50-32-8	Benzo[a]pyrene	ND		1.0	1.0
205-99-2	Benzo[b]fluoranthene	ND		1.0	1.0
191-24-2	Benzo[g,h,i]perylene	ND		1.0	1.0
207-08-9	Benzo[k]fluoranthene	ND		1.0	1.0
218-01-9	Chrysene	ND		1.0	1.0
53-70-3	Dibenz(a,h)anthracene	ND		1.0	1.0
206-44-0	Fluoranthene	ND		1.0	1.0
86-73-7	Fluorene	ND		1.0	1.0
193-39-5	Indeno[1,2,3-cd]pyrene	ND		1.0	1.0
91-20-3	Naphthalene	ND		1.0	1.0
85-01-8	Phenanthrene	ND		1.0	1.0
129-00-0	Pyrene	ND		1.0	1.0
STL00058	C11-C22 Aromatics	ND		10	10

CAS NO.	SURROGATE	%REC	Q	LIMITS
580-13-2	2-Bromonaphthalene	117		40-140
321-60-8	2-Fluorobiphenyl	119		40-140
84-15-1	o-Terphenyl	86		40-140

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\20_04160.D		
Lims ID:	480-30197-A-13-D	Client ID:	OC-SB-533-0.0/1.0-XXX
Inject. Date:	26-Dec-2012 18:03:36	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:			
Misc. Info.:			
Operator:	tchrom	Instrument ID:	HP7890-20
Injection Vol:	1.0 ul	ALS Bottle#:	0
Lims Batch ID:	97357	Lims Sample ID:	20
Detector 1 :	Ch-A-20-01-a-020		
Detector 2 :	Ch-B-20-01-b-020		

Method:	\\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\7890-EPH.m		
Last Update:	27-Dec-2012 07:17:05	Calib Date:	17-Oct-2012 19:37:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\BUFCHROM\ChromData\HP7890-20\20121017-15821.b\20-02-_-038.D		
Limit Group:	GC MAEPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK012		

First Level Reviewer: bescod Date: 27-Dec-2012 07:17:05

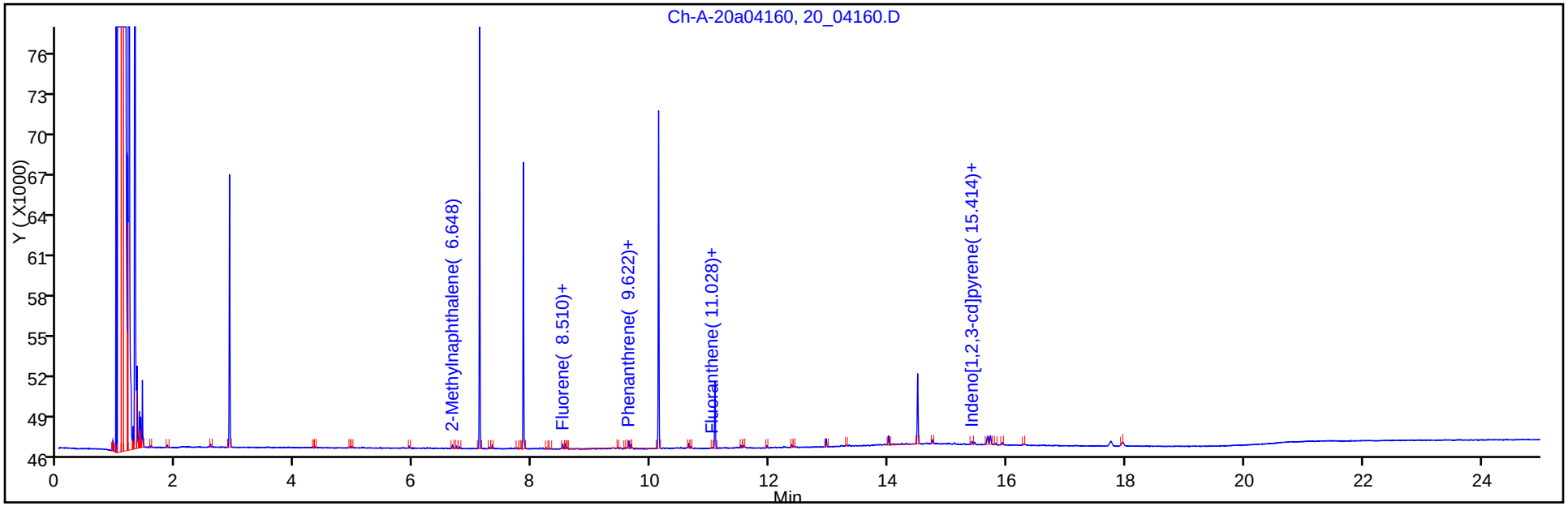
Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
A 4 C9-C18 Aliphatics						
2	6.400	3.000 -	9.800	2259	1.91	
10 2-Methylnaphthalene						
1	6.648	6.640	0.008	286	0.2514	
$ 11 2-Fluorobiphenyl						
1	7.108	7.106	0.002	24206	23.7	
$ 14 2-Bromonaphthalene						
1	7.844	7.844	0.000	17008	23.3	
16 Fluorene						
1	8.510	8.506	0.004	346	0.2842	
18 Phenanthrene						
1	9.622	9.624	-0.002	527	0.4214	
$ 21 o-Terphenyl						
1	10.126	10.128	-0.002	21186	17.1	
24 Fluoranthene						
1	11.028	11.030	-0.002	76	0.0584	
$ 25 1-Chlorooctadecane						
2	11.076	11.076	0.000	9003	10.5	
A 5 C11-C22 Aromatics						
1	11.650	7.500 -	15.800	19089	16.5	
A 3 C19-C36 Aliphatics						
2	13.300	8.500 -	18.100	3632	2.51	
37 Indeno[1,2,3-cd]pyrene						
1	15.414	15.426	-0.012	309	0.2462	

Report Date: 27-Dec-2012 07:17:06 Chrom Revision: 2.0 22-Oct-2012 16:30:48

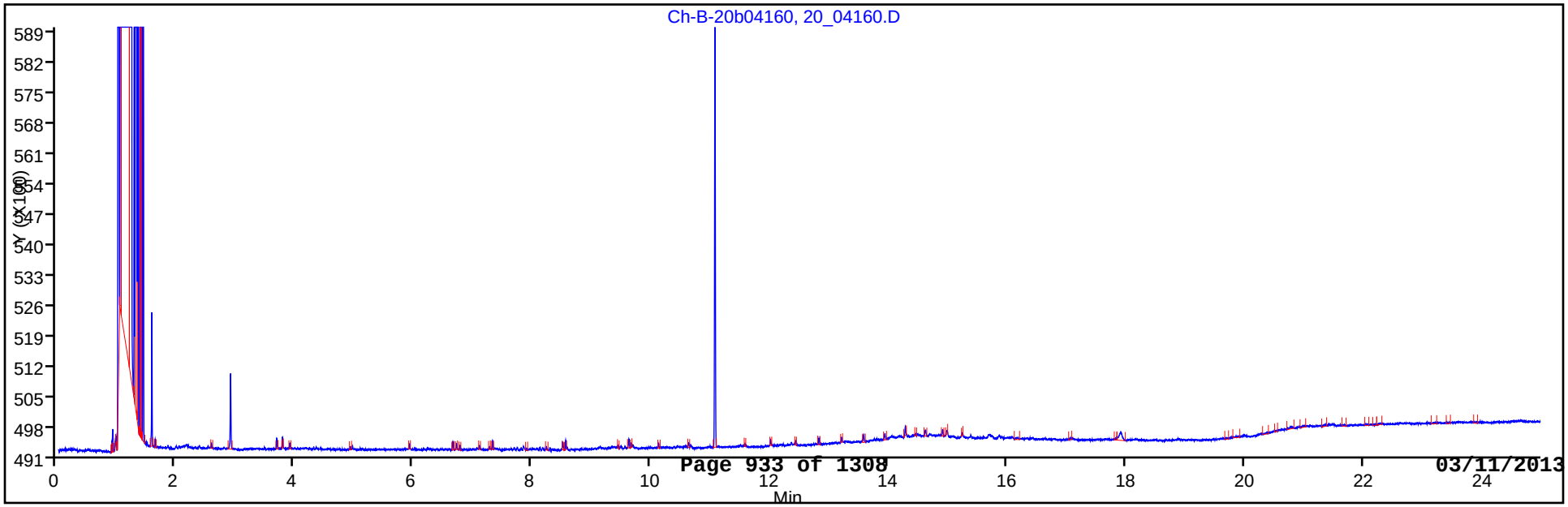
TestAmerica Buffalo

Data File:	\\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\20_04160.D		
Injection Date:	26-Dec-2012 18:03:36	Limit Group:	GC MAEPH ICAL
Client ID:	OC-SB-533-0.0/1.0-XXX	Instrument ID:	HP7890-20
Lims Batch ID:	97357	Lims Sample ID:	20
Operator ID:	tchrom	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo
Job No.: 480-30197-1
SDG No.:
Client Sample ID: OC-SB-533-0.0/1.0-XXX
Lab Sample ID: 480-30197-13
Matrix: Solid
Lab File ID: 20_04160.D
Analysis Method: MA-EPH
Date Collected: 12/13/2012 14:00
Extraction Method: MA EPH Frac
Date Extracted: 12/19/2012 08:06
Sample wt/vol: 000010.4(g)
Date Analyzed: 12/26/2012 18:03
Con. Extract Vol.: 2(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: ZB-5 ID: 0.53(mm)
% Moisture: 5.6
GPC Cleanup:(Y/N) N
Analysis Batch No.: 97357
Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00087	C19-C36 Aliphatics	ND		10	10
STL00306	C9-C18 Aliphatics	ND		10	10

CAS NO.	SURROGATE	%REC	Q	LIMITS
3386-33-2	1-Chlorooctadecane	52		40-140

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\20_04160.D
Lims ID: 480-30197-A-13-D
Client ID: OC-SB-533-0.0/1.0-XXX
Inject. Date: 26-Dec-2012 18:03:36
Dil. Factor: 1.0000
Sample Type: Client
Sample ID:
Misc. Info.:
Operator: tchrom
Instrument ID: HP7890-20
Injection Vol: 1.0 ul
ALS Bottle#: 0
Lims Batch ID: 97357
Lims Sample ID: 20
Detector 1 : Ch-A-20-01-a-020
Detector 2 : Ch-B-20-01-b-020

Method: \\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\7890-EPH.m
Last Update: 27-Dec-2012 07:17:05
Calib Date: 17-Oct-2012 19:37:02
Quant Method: External Standard
Quant By: Initial Calibration
Last ICal File: \\BUFCHROM\ChromData\HP7890-20\20121017-15821.b\20-02-_-038.D
Limit Group: GC MAEPH ICAL
Integrator: Falcon
Column Type:
Column Dia:
Process Host: XAWRK012

First Level Reviewer: bescod
Date: 27-Dec-2012 07:17:05

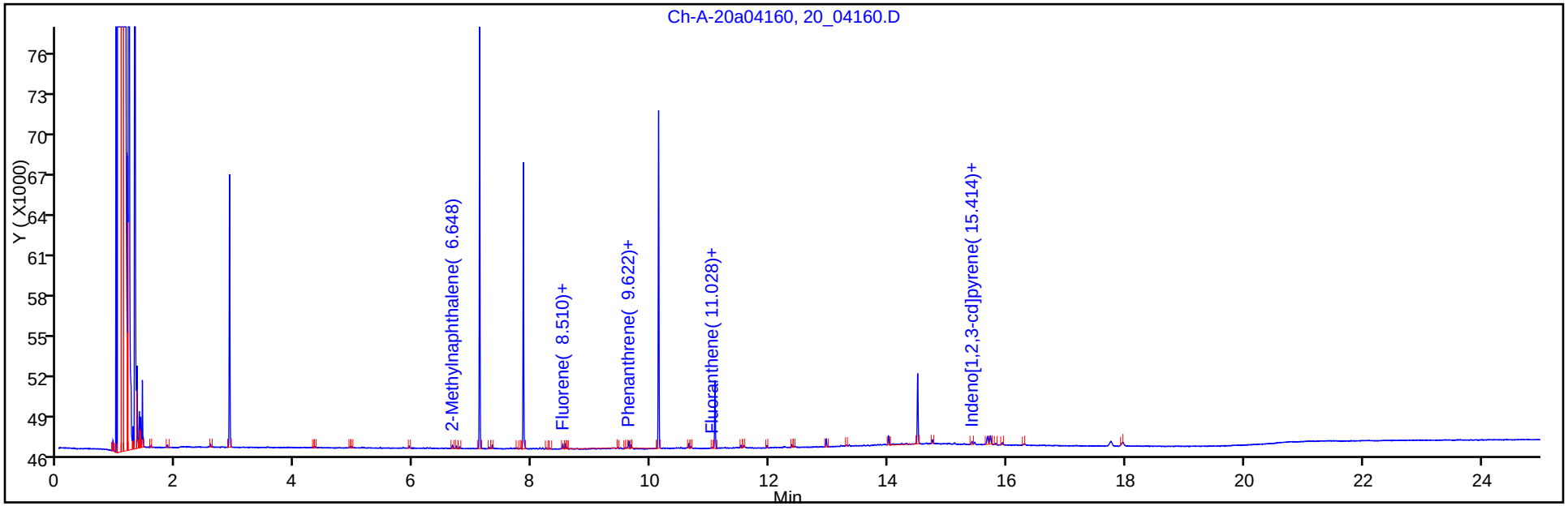
Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
A 4 C9-C18 Aliphatics						
2	6.400	3.000 -	9.800	2259	1.91	
10 2-Methylnaphthalene						
1	6.648	6.640	0.008	286	0.2514	
$ 11 2-Fluorobiphenyl						
1	7.108	7.106	0.002	24206	23.7	
$ 14 2-Bromonaphthalene						
1	7.844	7.844	0.000	17008	23.3	
16 Fluorene						
1	8.510	8.506	0.004	346	0.2842	
18 Phenanthrene						
1	9.622	9.624	-0.002	527	0.4214	
$ 21 o-Terphenyl						
1	10.126	10.128	-0.002	21186	17.1	
24 Fluoranthene						
1	11.028	11.030	-0.002	76	0.0584	
$ 25 1-Chlorooctadecane						
2	11.076	11.076	0.000	9003	10.5	
A 5 C11-C22 Aromatics						
1	11.650	7.500 -	15.800	19089	16.5	
A 3 C19-C36 Aliphatics						
2	13.300	8.500 -	18.100	3632	2.51	
37 Indeno[1,2,3-cd]pyrene						
1	15.414	15.426	-0.012	309	0.2462	

Report Date: 27-Dec-2012 07:17:06 Chrom Revision: 2.0 22-Oct-2012 16:30:48

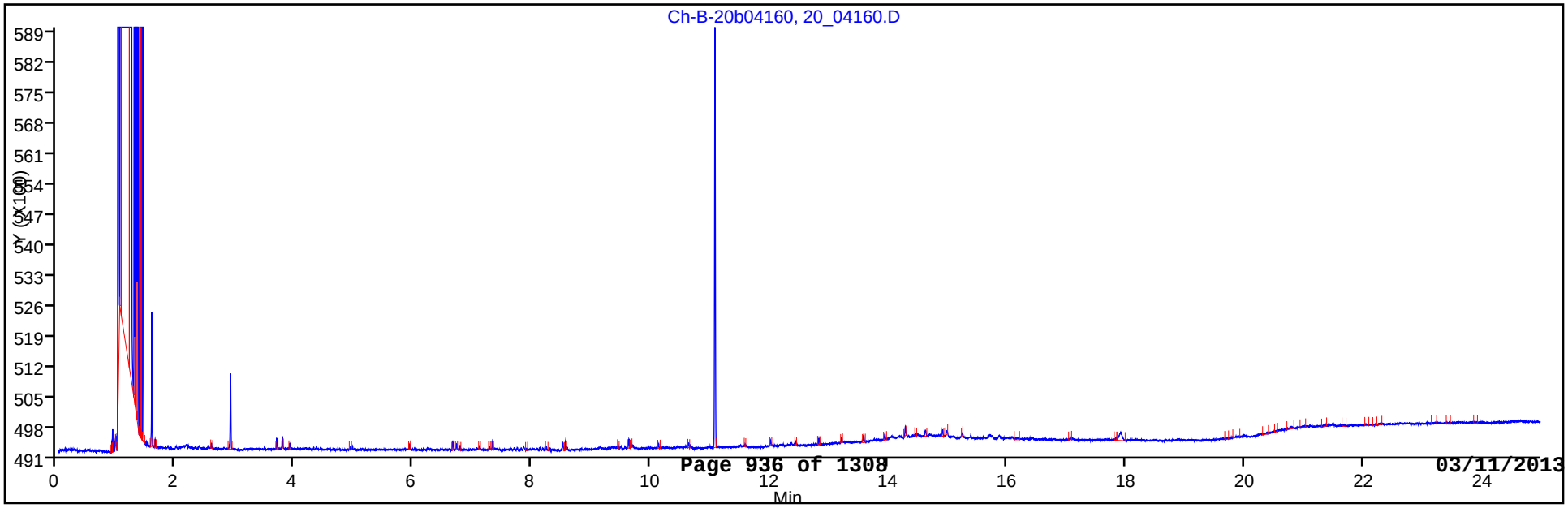
TestAmerica Buffalo

Data File:	\\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\20_04160.D		
Injection Date:	26-Dec-2012 18:03:36	Limit Group:	GC MAEPH ICAL
Client ID:	OC-SB-533-0.0/1.0-XXX	Instrument ID:	HP7890-20
Lims Batch ID:	97357	Lims Sample ID:	20
Operator ID:	tchrom	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo
Job No.: 480-30197-1
SDG No.:
Client Sample ID: OC-SB-533-6.0/8.0-XXX
Lab Sample ID: 480-30197-14
Matrix: Solid
Lab File ID: 20_04161.D
Analysis Method: MA-EPH
Date Collected: 12/13/2012 14:20
Extraction Method: MA EPH Frac
Date Extracted: 12/19/2012 08:06
Sample wt/vol: 000010.3(g)
Date Analyzed: 12/26/2012 18:33
Con. Extract Vol.: 2(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: ZB-5 ID: 0.53(mm)
% Moisture: 4.6
GPC Cleanup:(Y/N) N
Analysis Batch No.: 97357
Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00058	C11-C22 Aromatics	110		10	10

CAS NO.	SURROGATE	%REC	Q	LIMITS
580-13-2	2-Bromonaphthalene	105		40-140
321-60-8	2-Fluorobiphenyl	106		40-140
84-15-1	o-Terphenyl	75		40-140

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\20_04161.D		
Lims ID:	480-30197-A-14-D	Client ID:	OC-SB-533-6.0/8.0-XXX
Inject. Date:	26-Dec-2012 18:33:00	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:			
Misc. Info.:			
Operator:	tchrom	Instrument ID:	HP7890-20
Injection Vol:	1.0 ul	ALS Bottle#:	0
Lims Batch ID:	97357	Lims Sample ID:	21
Detector 1 :	Ch-A-20-01-a-020		
Detector 2 :	Ch-B-20-01-b-020		

Method:	\\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\7890-EPH.m		
Last Update:	27-Dec-2012 07:17:42	Calib Date:	17-Oct-2012 19:37:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\BUFCHROM\ChromData\HP7890-20\20121017-15821.b\20-02-_-038.D		
Limit Group:	GC MAEPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK012		

First Level Reviewer: bescod Date: 27-Dec-2012 07:17:42

Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
A 4 C9-C18 Aliphatics						M
2	6.400	3.000 -	9.800	3677	3.10	M
10 2-Methylnaphthalene						
1	6.652	6.640	0.012	234	0.2057	
$ 11 2-Fluorobiphenyl						
1	7.108	7.106	0.002	21635	21.2	
$ 14 2-Bromonaphthalene						
1	7.846	7.844	0.002	15384	21.1	
16 Fluorene						
1	8.510	8.506	0.004	381	0.3130	
18 Phenanthrene						M
1	9.624	9.624	0.000	2489	1.99	M
20 Anthracene						M
1	9.682	9.682	-0.002	1248	1.01	M
$ 21 o-Terphenyl						
1	10.126	10.128	-0.002	18632	15.1	
24 Fluoranthene						M
1	11.034	11.034	0.004	2635	2.02	M
$ 25 1-Chlorooctadecane						M
2	11.076	11.076	0.000	9182	10.7	M
26 Pyrene						M
1	11.284	11.284	0.000	1725	1.32	M
A 5 C11-C22 Aromatics						M
1	11.650	7.500 -	15.800	651417	563.9	M
A 3 C19-C36 Aliphatics						M
2	13.300	8.500 -	18.100	519952	359.1	M

Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
32 Benzo[k]fluoranthene						M
1	13.924	13.924	0.000	9012	7.01	M
37 Indeno[1,2,3-cd]pyrene						M
1	15.420	15.420	-0.006	7789	6.21	M

QC Flag Legend

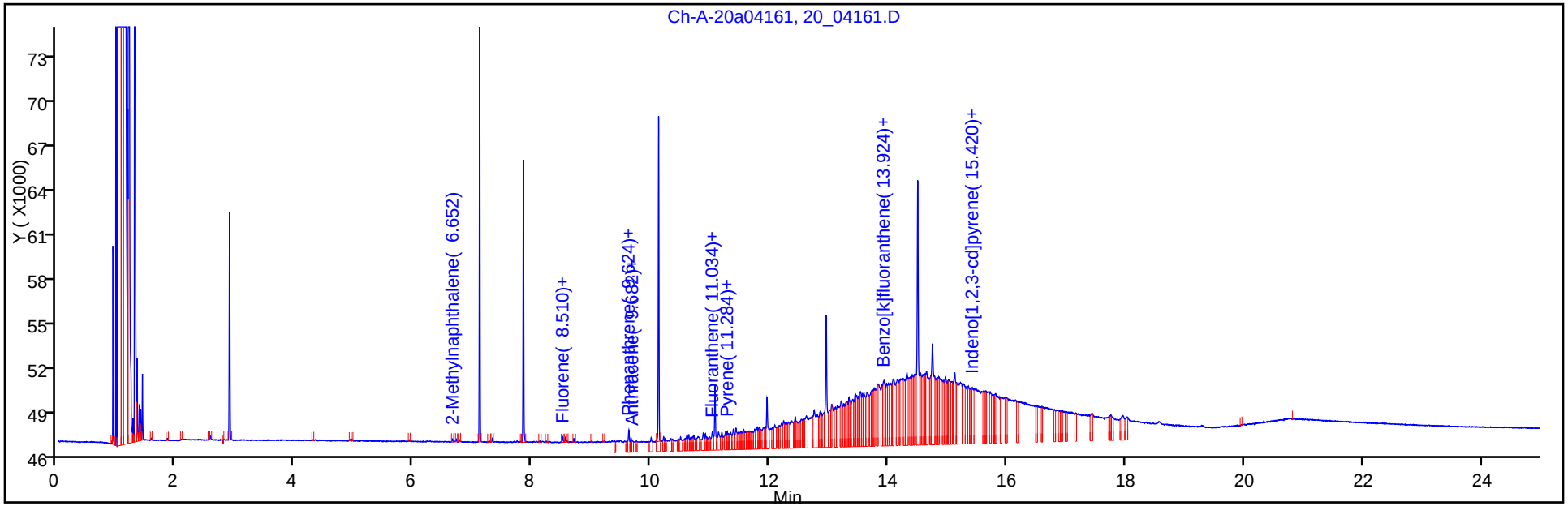
Review Flags
M - Manually Integrated

Report Date: 27-Dec-2012 07:17:42 Chrom Revision: 2.0 22-Oct-2012 16:30:48

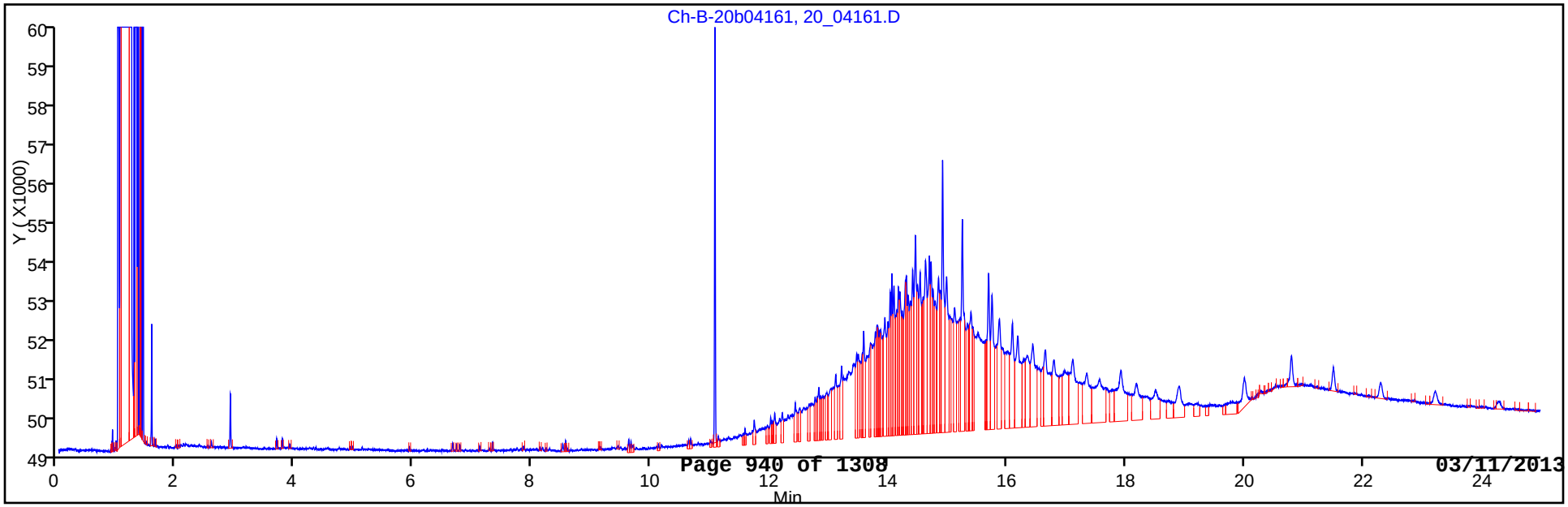
TestAmerica Buffalo

Data File:	\\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\20_04161.D		
Injection Date:	26-Dec-2012 18:33:00	Limit Group:	GC MAEPH ICAL
Client ID:	OC-SB-533-6.0/8.0-XXX	Instrument ID:	HP7890-20
Lims Batch ID:	97357	Lims Sample ID:	21
Operator ID:	tchrom	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



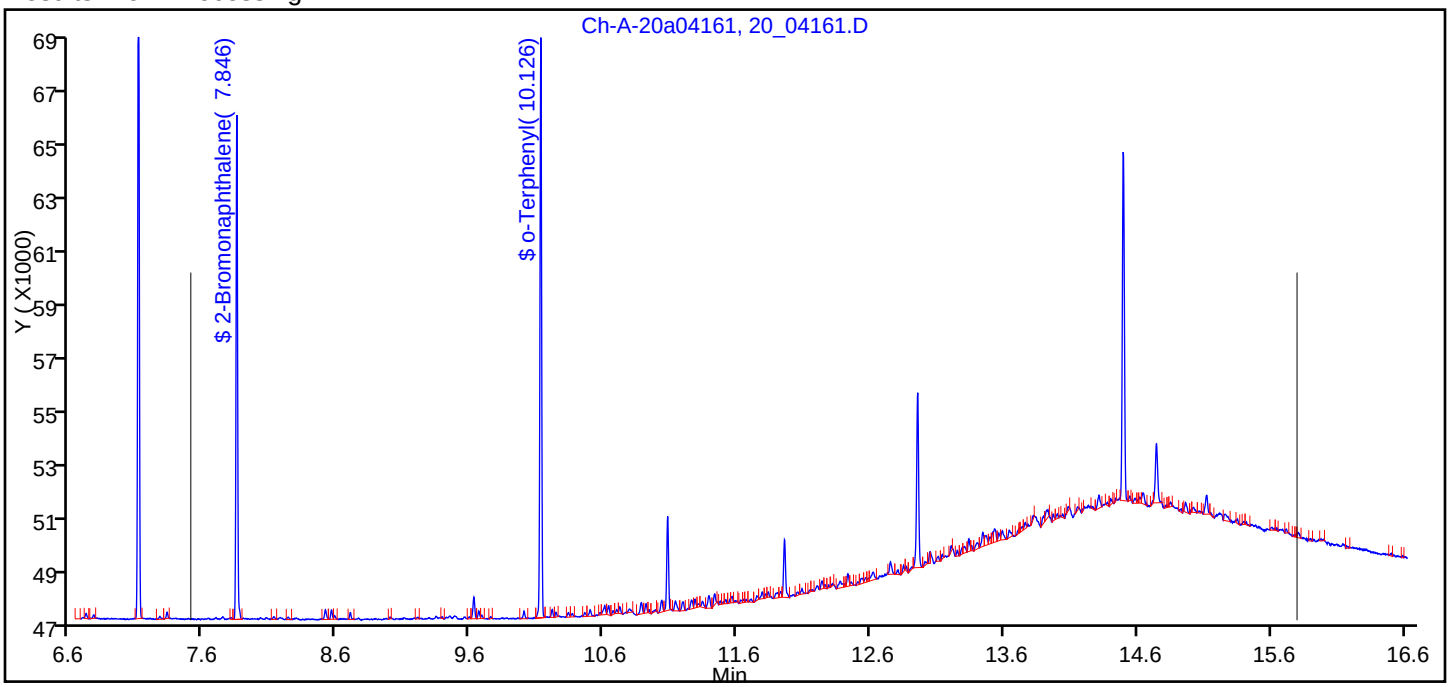
User Disabled Compound Report

TestAmerica Buffalo

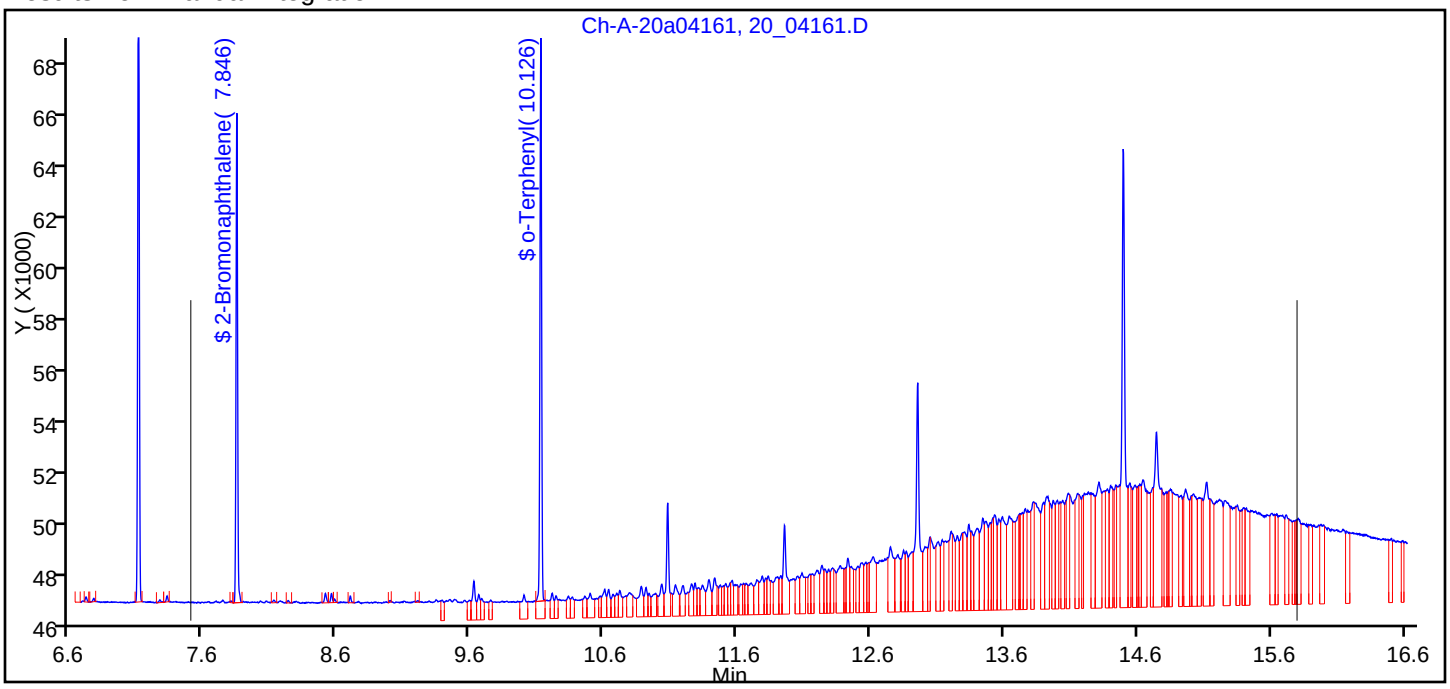
Data File:	\\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\20_04161.D		
Injection Date:	26-Dec-2012 18:33:00	Limit Group:	GC MAEPH ICAL
Client ID:	OC-SB-533-6.0/8.0-XXX	Instrument ID:	HP7890-20
Lims Batch ID:	97357	Lims Sample ID:	21
Operator ID:	tchrom	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

A 5 C11-C22 Aromatics, Signal: 1, Type: quant, RT: 11.65, Det: Ch-A-20-01-a-020

Results From Processing



Results from Manual Integration



Reviewer: bescod, 27-Dec-2012 07:17:42
Audit Action: Assigned New Baseline
Audit Reason: Incomplete Integration

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo
Job No.: 480-30197-1
SDG No.:
Client Sample ID: OC-SB-533-6.0/8.0-XXX
Lab Sample ID: 480-30197-14
Matrix: Solid
Lab File ID: 20_04161.D
Analysis Method: MA-EPH
Date Collected: 12/13/2012 14:20
Extraction Method: MA EPH Frac
Date Extracted: 12/19/2012 08:06
Sample wt/vol: 000010.3(g)
Date Analyzed: 12/26/2012 18:33
Con. Extract Vol.: 2(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: ZB-5 ID: 0.53(mm)
% Moisture: 4.6
GPC Cleanup:(Y/N) N
Analysis Batch No.: 97357
Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00087	C19-C36 Aliphatics	73		10	10
STL00306	C9-C18 Aliphatics	ND		10	10

CAS NO.	SURROGATE	%REC	Q	LIMITS
3386-33-2	1-Chlorooctadecane	53		40-140

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\20_04161.D		
Lims ID:	480-30197-A-14-D	Client ID:	OC-SB-533-6.0/8.0-XXX
Inject. Date:	26-Dec-2012 18:33:00	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:			
Misc. Info.:			
Operator:	tchrom	Instrument ID:	HP7890-20
Injection Vol:	1.0 ul	ALS Bottle#:	0
Lims Batch ID:	97357	Lims Sample ID:	21
Detector 1 :	Ch-A-20-01-a-020		
Detector 2 :	Ch-B-20-01-b-020		

Method:	\\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\7890-EPH.m		
Last Update:	27-Dec-2012 07:17:42	Calib Date:	17-Oct-2012 19:37:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\BUFCHROM\ChromData\HP7890-20\20121017-15821.b\20-02-_-038.D		
Limit Group:	GC MAEPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK012		

First Level Reviewer: bescod Date: 27-Dec-2012 07:17:42

Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
A 4 C9-C18 Aliphatics						M
2	6.400	3.000 -	9.800	3677	3.10	M
10 2-Methylnaphthalene						
1	6.652	6.640	0.012	234	0.2057	
$ 11 2-Fluorobiphenyl						
1	7.108	7.106	0.002	21635	21.2	
$ 14 2-Bromonaphthalene						
1	7.846	7.844	0.002	15384	21.1	
16 Fluorene						
1	8.510	8.506	0.004	381	0.3130	
18 Phenanthrene						M
1	9.624	9.624	0.000	2489	1.99	M
20 Anthracene						M
1	9.682	9.682	-0.002	1248	1.01	M
$ 21 o-Terphenyl						
1	10.126	10.128	-0.002	18632	15.1	
24 Fluoranthene						M
1	11.034	11.034	0.004	2635	2.02	M
$ 25 1-Chlorooctadecane						M
2	11.076	11.076	0.000	9182	10.7	M
26 Pyrene						M
1	11.284	11.284	0.000	1725	1.32	M
A 5 C11-C22 Aromatics						M
1	11.650	7.500 -	15.800	651417	563.9	M
A 3 C19-C36 Aliphatics						M
2	13.300	8.500 -	18.100	519952	359.1	M

Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
32 Benzo[k]fluoranthene						M
1	13.924	13.924	0.000	9012	7.01	M
37 Indeno[1,2,3-cd]pyrene						M
1	15.420	15.420	-0.006	7789	6.21	M

QC Flag Legend

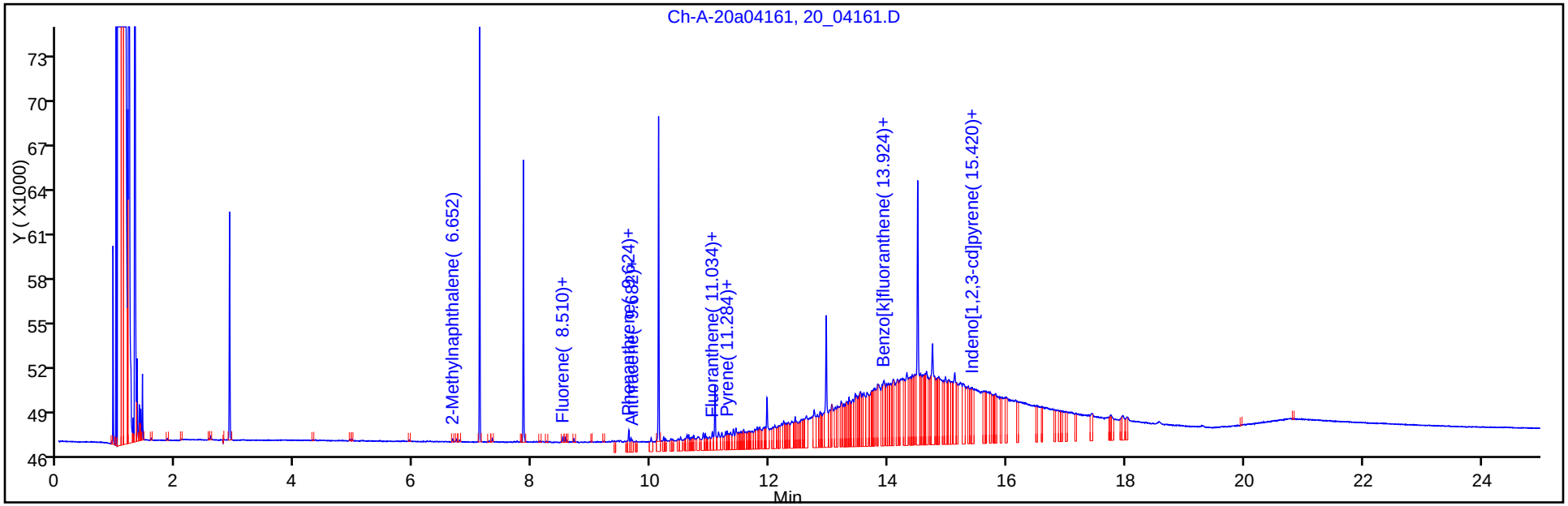
Review Flags
M - Manually Integrated

Report Date: 27-Dec-2012 07:17:42 Chrom Revision: 2.0 22-Oct-2012 16:30:48

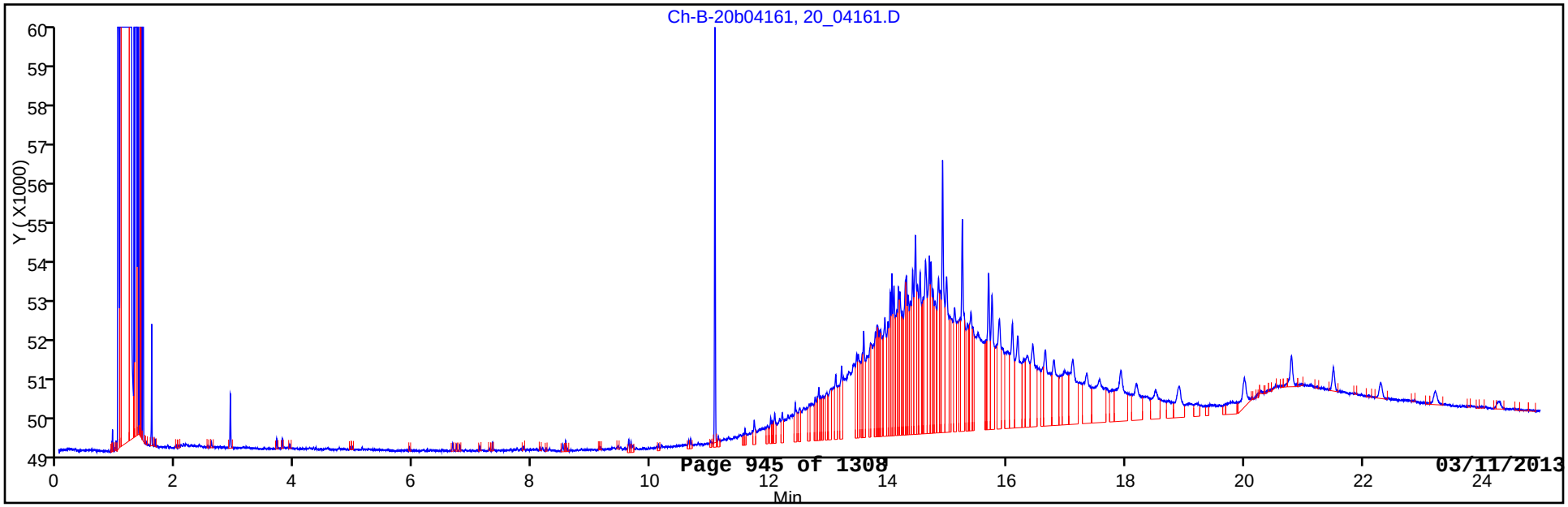
TestAmerica Buffalo

Data File:	\\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\20_04161.D		
Injection Date:	26-Dec-2012 18:33:00	Limit Group:	GC MAEPH ICAL
Client ID:	OC-SB-533-6.0/8.0-XXX	Instrument ID:	HP7890-20
Lims Batch ID:	97357	Lims Sample ID:	21
Operator ID:	tchrom	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



Report Date: 27-Dec-2012 07:17:42 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

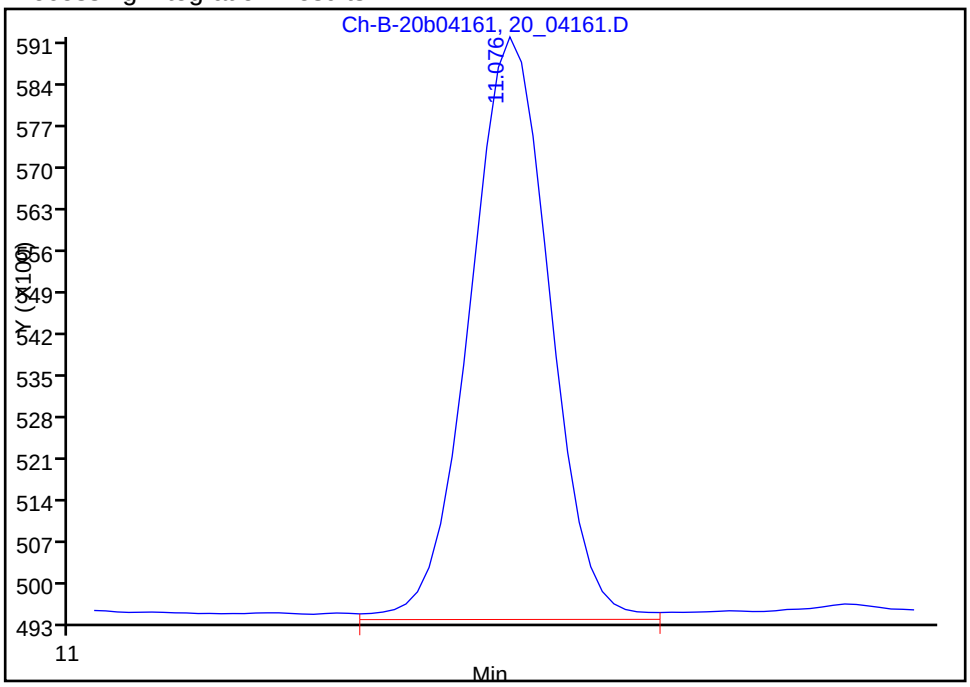
TestAmerica Buffalo

Data File:	\\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\20_04161.D		
Injection Date:	26-Dec-2012 18:33:00	Limit Group:	GC MAEPH ICAL
Client ID:	OC-SB-533-6.0/8.0-XXX	Instrument ID:	HP7890-20
Lims Batch ID:	97357	Lims Sample ID:	21
Operator ID:	tchrom	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

$ 25 1-Chlorooctadecane, Signal: 1, Type: quant, RT: 11.08, Det: Ch-B-20-01-b-020

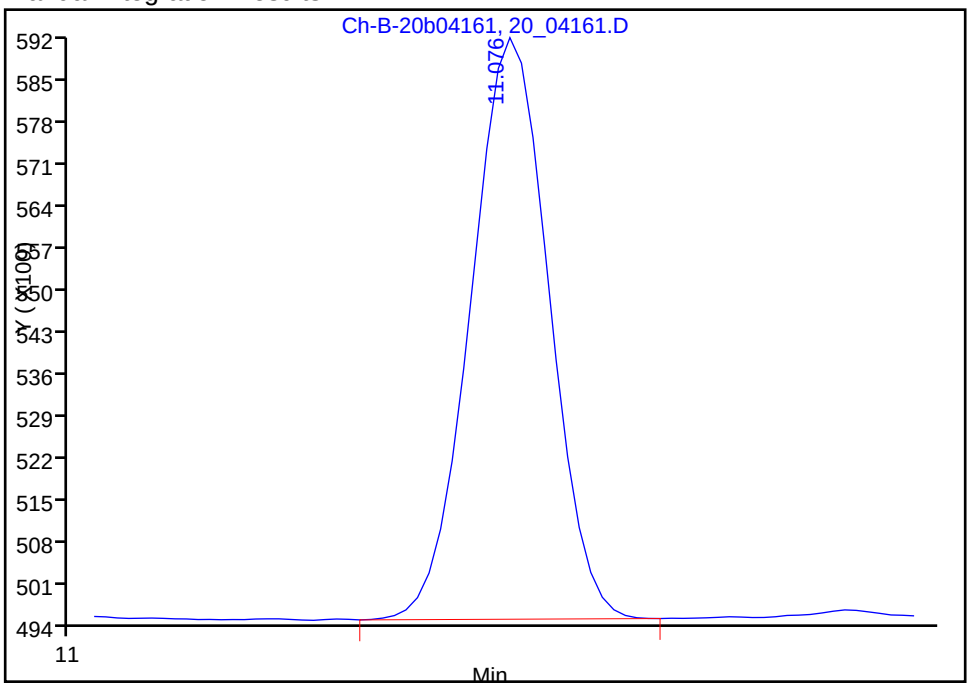
Processing Integration Results

RT: 11.08
Response: 9187
Amount: 10.676404



Manual Integration Results

RT: 11.08
Response: 9182
Amount: 10.670594



Reviewer: bescod, 27-Dec-2012 07:17:42
Audit Action: Assigned New Baseline
Audit Reason: Incomplete Integration

Report Date: 27-Dec-2012 07:17:42 Chrom Revision: 2.0 22-Oct-2012 16:30:48

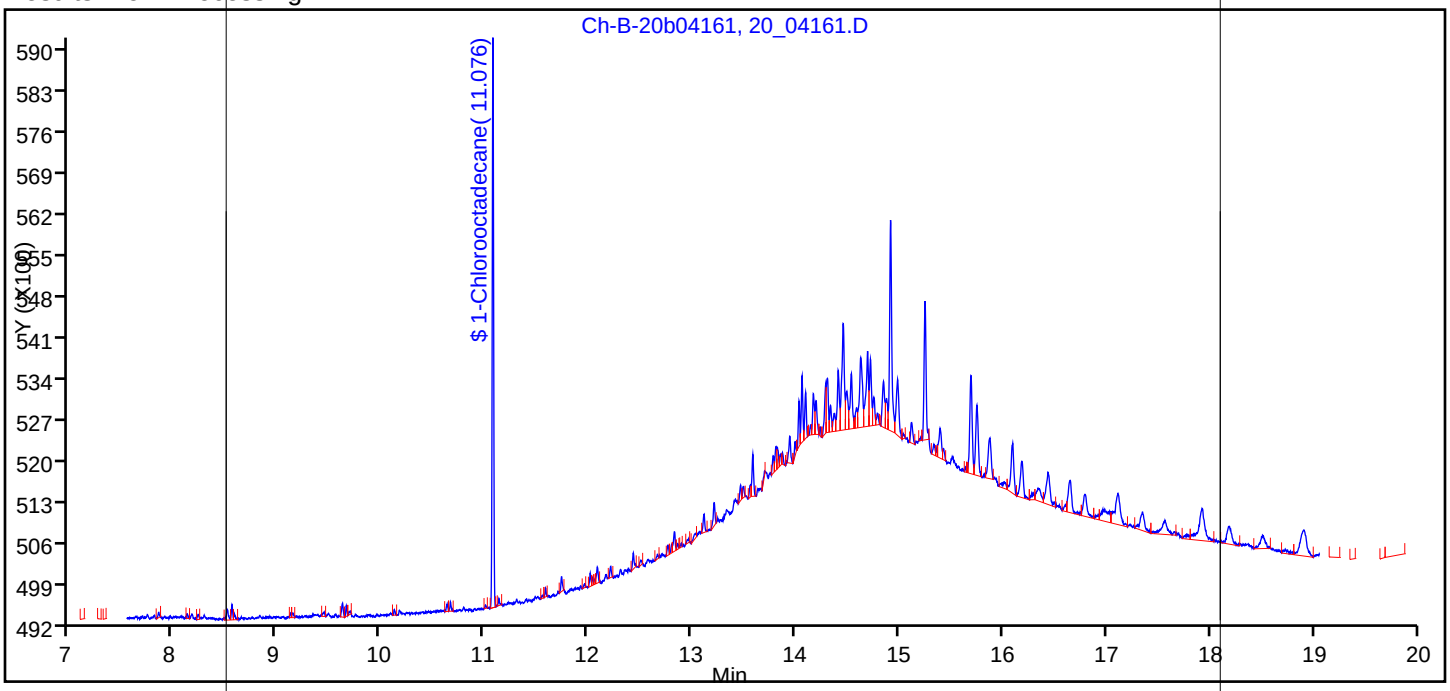
User Disabled Compound Report

TestAmerica Buffalo

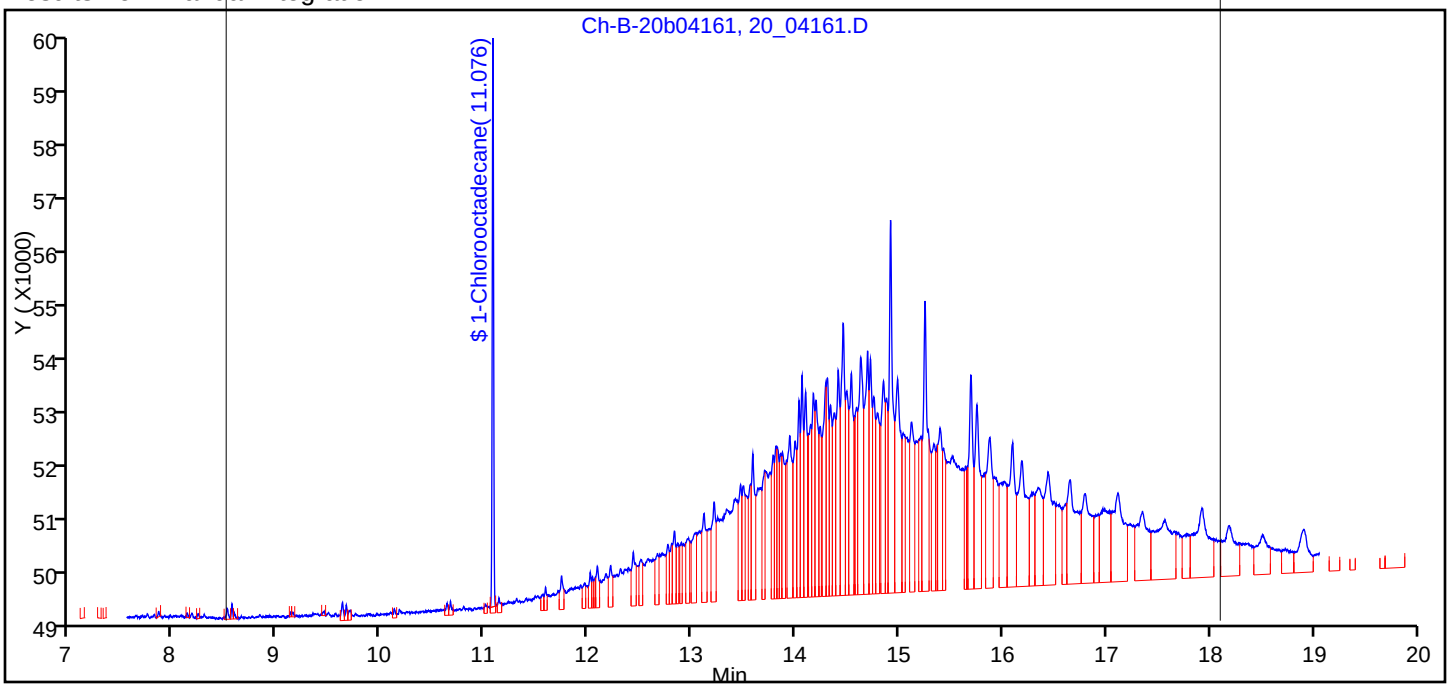
Data File:	\\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\20_04161.D		
Injection Date:	26-Dec-2012 18:33:00	Limit Group:	GC MAEPH ICAL
Client ID:	OC-SB-533-6.0/8.0-XXX	Instrument ID:	HP7890-20
Lims Batch ID:	97357	Lims Sample ID:	21
Operator ID:	tchrom	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

A 3 C19-C36 Aliphatics, Signal: 1, Type: quant, RT: 13.30, Det: Ch-B-20-01-b-020

Results From Processing



Results from Manual Integration



Reviewer: bescod, 27-Dec-2012 07:17:42

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Report Date: 27-Dec-2012 07:17:42 Chrom Revision: 2.0 22-Oct-2012 16:30:48

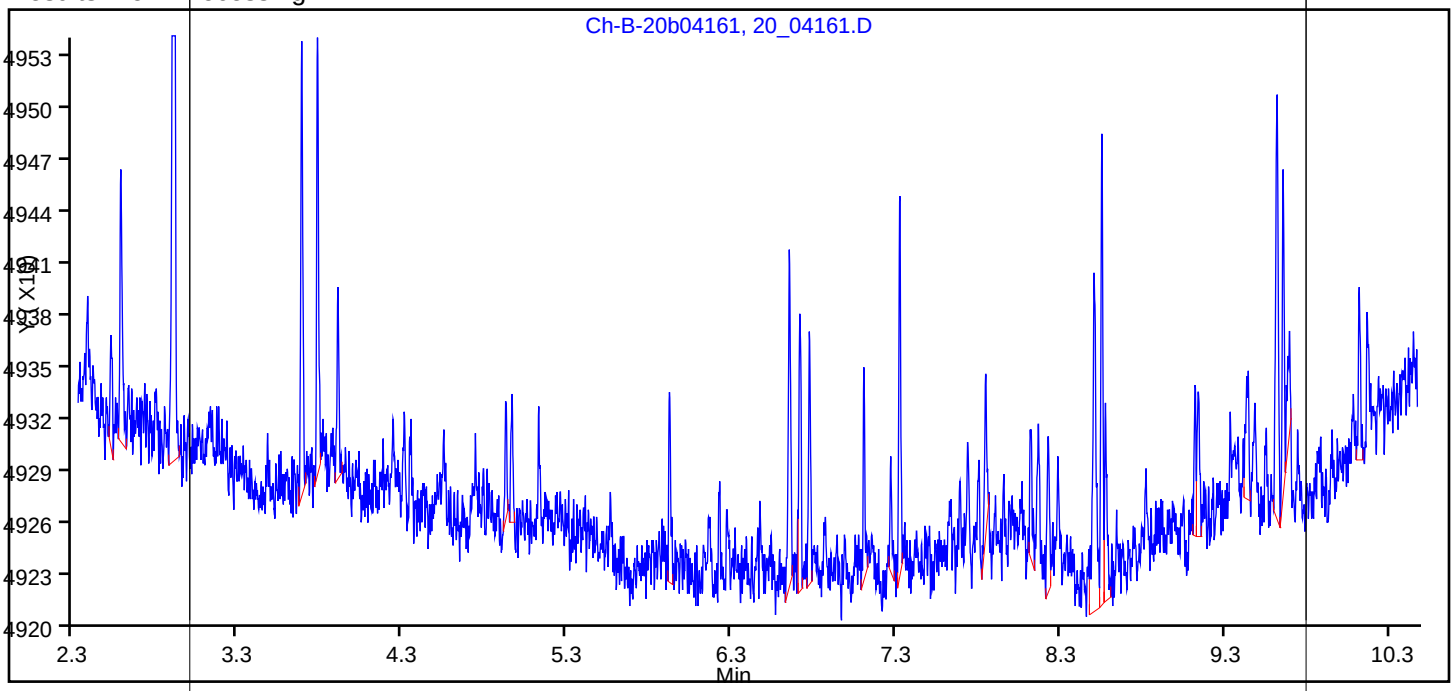
User Disabled Compound Report

TestAmerica Buffalo

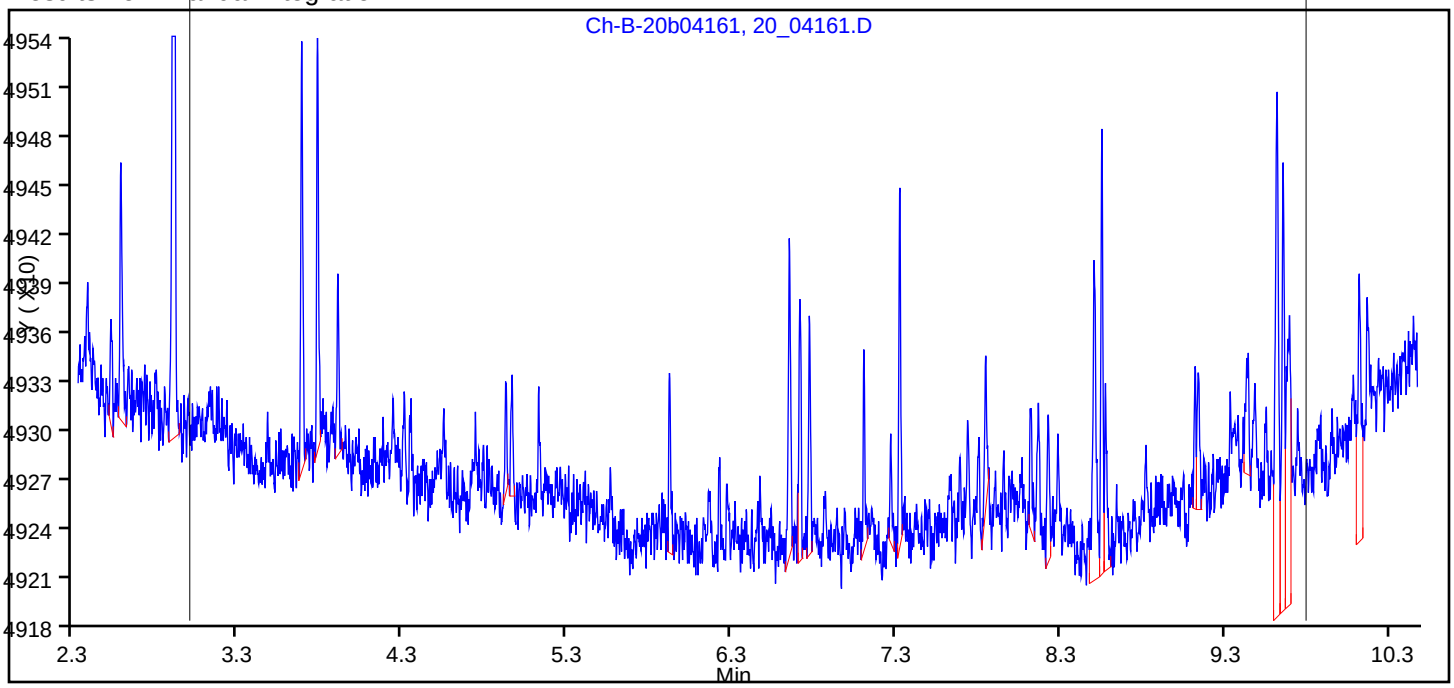
Data File:	\\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\20_04161.D		
Injection Date:	26-Dec-2012 18:33:00	Limit Group:	GC MAEPH ICAL
Client ID:	OC-SB-533-6.0/8.0-XXX	Instrument ID:	HP7890-20
Lims Batch ID:	97357	Lims Sample ID:	21
Operator ID:	tchrom	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

A 4 C9-C18 Aliphatics, Signal: 1, Type: quant, RT: 6.40, Det: Ch-B-20-01-b-020

Results From Processing



Results from Manual Integration



Reviewer: bescod, 27-Dec-2012 07:17:42

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30197-1

SDG No.:

Client Sample ID: OC-SB-533-13/15-XXX | Lab Sample ID: 480-30197-15

Matrix: Solid | Lab File ID: 20_04162.D

Analysis Method: MA-EPH | Date Collected: 12/13/2012 14:30

Extraction Method: MA EPH Frac | Date Extracted: 12/19/2012 08:06

Sample wt/vol: 000010.1(g) | Date Analyzed: 12/26/2012 19:02

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-5 ID: 0.53(mm)

% Moisture: 16.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 97357 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
91-57-6	2-Methylnaphthalene	ND		1.2	1.2
83-32-9	Acenaphthene	ND		1.2	1.2
208-96-8	Acenaphthylene	ND		1.2	1.2
120-12-7	Anthracene	ND		1.2	1.2
56-55-3	Benzo[a]anthracene	ND		1.2	1.2
50-32-8	Benzo[a]pyrene	ND		1.2	1.2
205-99-2	Benzo[b]fluoranthene	ND		1.2	1.2
191-24-2	Benzo[g,h,i]perylene	ND		1.2	1.2
207-08-9	Benzo[k]fluoranthene	ND		1.2	1.2
218-01-9	Chrysene	ND		1.2	1.2
53-70-3	Dibenz(a,h)anthracene	ND		1.2	1.2
206-44-0	Fluoranthene	ND		1.2	1.2
86-73-7	Fluorene	ND		1.2	1.2
193-39-5	Indeno[1,2,3-cd]pyrene	ND		1.2	1.2
91-20-3	Naphthalene	ND		1.2	1.2
85-01-8	Phenanthrene	ND		1.2	1.2
129-00-0	Pyrene	ND		1.2	1.2
STL00058	C11-C22 Aromatics	ND		12	12

CAS NO.	SURROGATE	%REC	Q	LIMITS
580-13-2	2-Bromonaphthalene	110		40-140
321-60-8	2-Fluorobiphenyl	111		40-140
84-15-1	o-Terphenyl	85		40-140

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\20_04162.D		
Lims ID:	480-30197-A-15-D	Client ID:	OC-SB-533-13/15-XXX
Inject. Date:	26-Dec-2012 19:02:28	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:			
Misc. Info.:			
Operator:	tchrom	Instrument ID:	HP7890-20
Injection Vol:	1.0 ul	ALS Bottle#:	0
Lims Batch ID:	97357	Lims Sample ID:	22
Detector 1 :	Ch-A-20-01-a-020		
Detector 2 :	Ch-B-20-01-b-020		

Method:	\\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\7890-EPH.m		
Last Update:	27-Dec-2012 07:17:55	Calib Date:	17-Oct-2012 19:37:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\BUFCHROM\ChromData\HP7890-20\20121017-15821.b\20-02-_-038.D		
Limit Group:	GC MAEPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK012		

First Level Reviewer: bescod Date: 27-Dec-2012 07:17:55

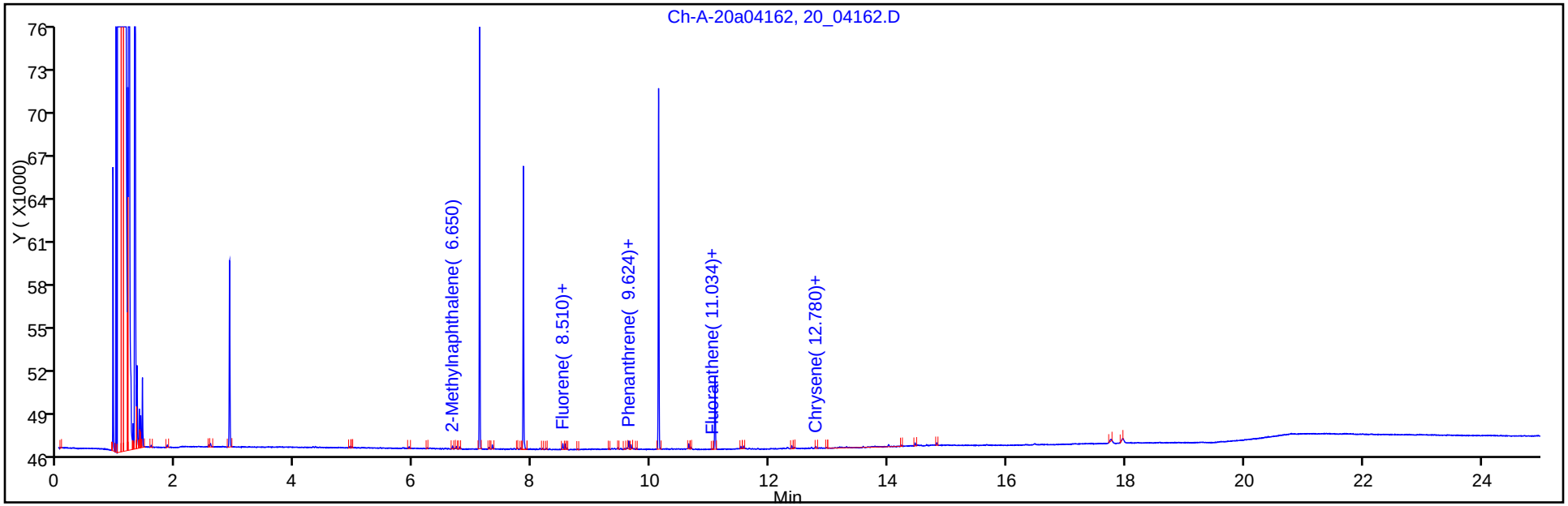
Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
A 4 C9-C18 Aliphatics						
2	6.400	3.000 -	9.800	4508	3.80	
10 2-Methylnaphthalene						
1	6.650	6.640	0.010	208	0.1828	
$ 11 2-Fluorobiphenyl						
1	7.108	7.106	0.002	22697	22.3	
$ 14 2-Bromonaphthalene						
1	7.844	7.844	0.000	16074	22.0	
16 Fluorene						
1	8.510	8.506	0.004	362	0.2974	
18 Phenanthrene						
1	9.624	9.624	0.000	517	0.4134	
$ 21 o-Terphenyl						
1	10.126	10.128	-0.002	21045	17.0	
24 Fluoranthene						
1	11.034	11.030	0.004	58	0.0446	
$ 25 1-Chlorooctadecane						
2	11.076	11.076	0.000	10047	11.7	
A 5 C11-C22 Aromatics						
1	11.650	7.500 -	15.800	9237	8.00	
30 Chrysene						
1	12.780	12.766	0.014	149	0.1218	
A 3 C19-C36 Aliphatics						
2	13.300	8.500 -	18.100	1764	1.22	

Report Date: 27-Dec-2012 07:17:55 Chrom Revision: 2.0 22-Oct-2012 16:30:48

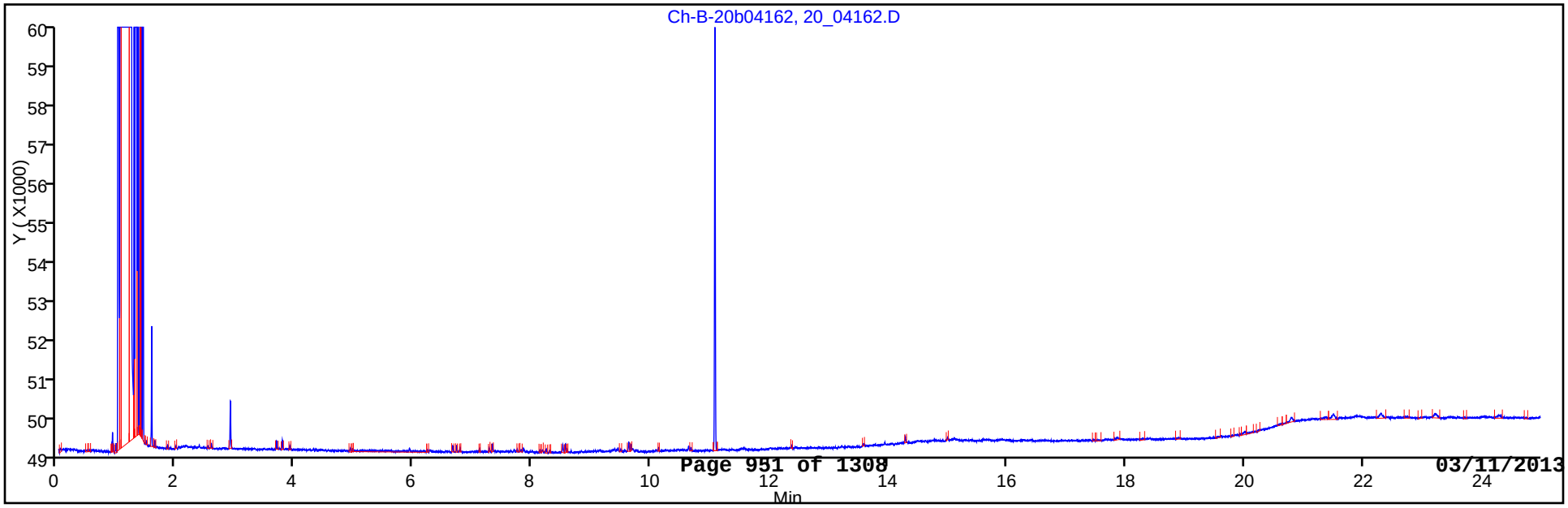
TestAmerica Buffalo

Data File:	\\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\20_04162.D		
Injection Date:	26-Dec-2012 19:02:28	Limit Group:	GC MAEPH ICAL
Client ID:	OC-SB-533-13/15-XXX	Instrument ID:	HP7890-20
Lims Batch ID:	97357	Lims Sample ID:	22
Operator ID:	tchrom	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo
Job No.: 480-30197-1
SDG No.:
Client Sample ID: OC-SB-533-13/15-XXX
Lab Sample ID: 480-30197-15
Matrix: Solid
Lab File ID: 20_04162.D
Analysis Method: MA-EPH
Date Collected: 12/13/2012 14:30
Extraction Method: MA EPH Frac
Date Extracted: 12/19/2012 08:06
Sample wt/vol: 000010.1(g)
Date Analyzed: 12/26/2012 19:02
Con. Extract Vol.: 2(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: ZB-5 ID: 0.53(mm)
% Moisture: 16.7
GPC Cleanup:(Y/N) N
Analysis Batch No.: 97357
Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00087	C19-C36 Aliphatics	ND		12	12
STL00306	C9-C18 Aliphatics	ND		12	12

CAS NO.	SURROGATE	%REC	Q	LIMITS
3386-33-2	1-Chlorooctadecane	58		40-140

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\20_04162.D
Lims ID: 480-30197-A-15-D
Client ID: OC-SB-533-13/15-XXX
Inject. Date: 26-Dec-2012 19:02:28
Dil. Factor: 1.0000
Sample Type: Client
Sample ID:
Misc. Info.:
Operator: tchrom
Instrument ID: HP7890-20
Injection Vol: 1.0 ul
ALS Bottle#: 0
Lims Batch ID: 97357
Lims Sample ID: 22
Detector 1 : Ch-A-20-01-a-020
Detector 2 : Ch-B-20-01-b-020

Method: \\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\7890-EPH.m
Last Update: 27-Dec-2012 07:17:55
Calib Date: 17-Oct-2012 19:37:02
Quant Method: External Standard
Quant By: Initial Calibration
Last ICal File: \\BUFCHROM\ChromData\HP7890-20\20121017-15821.b\20-02-_-038.D
Limit Group: GC MAEPH ICAL
Integrator: Falcon
Column Type:
Column Dia:
Process Host: XAWRK012

First Level Reviewer: bescod
Date: 27-Dec-2012 07:17:55

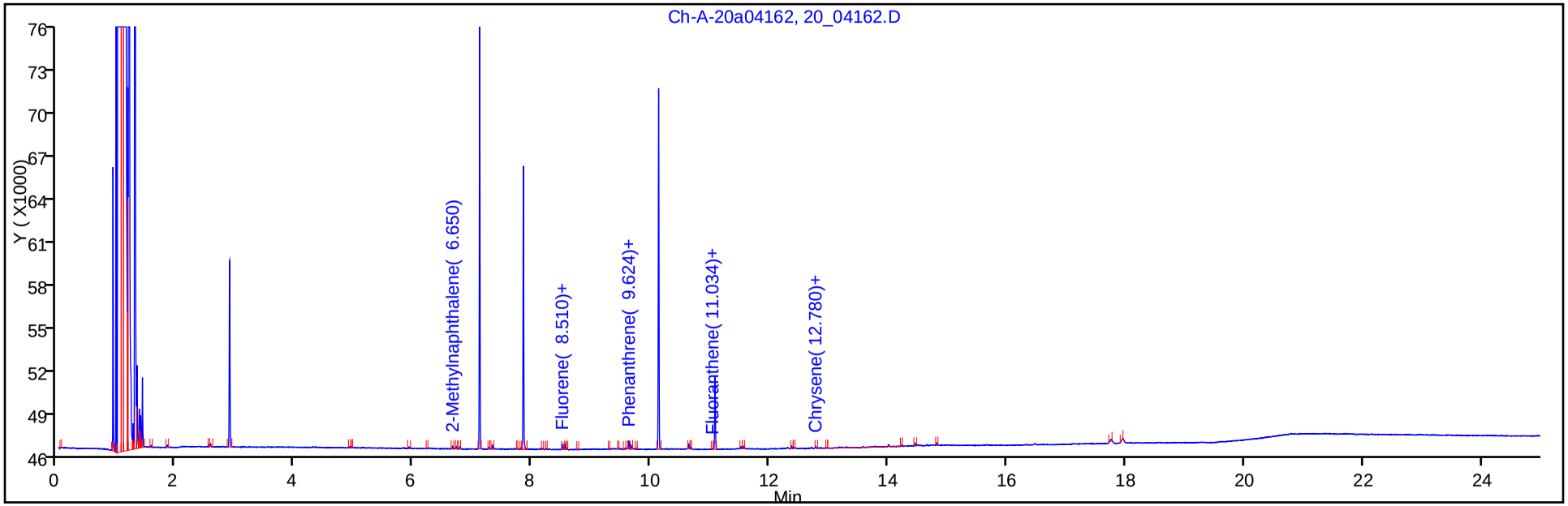
Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
A 4 C9-C18 Aliphatics						
2	6.400	3.000 -	9.800	4508	3.80	
10 2-Methylnaphthalene						
1	6.650	6.640	0.010	208	0.1828	
$ 11 2-Fluorobiphenyl						
1	7.108	7.106	0.002	22697	22.3	
$ 14 2-Bromonaphthalene						
1	7.844	7.844	0.000	16074	22.0	
16 Fluorene						
1	8.510	8.506	0.004	362	0.2974	
18 Phenanthrene						
1	9.624	9.624	0.000	517	0.4134	
$ 21 o-Terphenyl						
1	10.126	10.128	-0.002	21045	17.0	
24 Fluoranthene						
1	11.034	11.030	0.004	58	0.0446	
$ 25 1-Chlorooctadecane						
2	11.076	11.076	0.000	10047	11.7	
A 5 C11-C22 Aromatics						
1	11.650	7.500 -	15.800	9237	8.00	
30 Chrysene						
1	12.780	12.766	0.014	149	0.1218	
A 3 C19-C36 Aliphatics						
2	13.300	8.500 -	18.100	1764	1.22	

Report Date: 27-Dec-2012 07:17:55 Chrom Revision: 2.0 22-Oct-2012 16:30:48

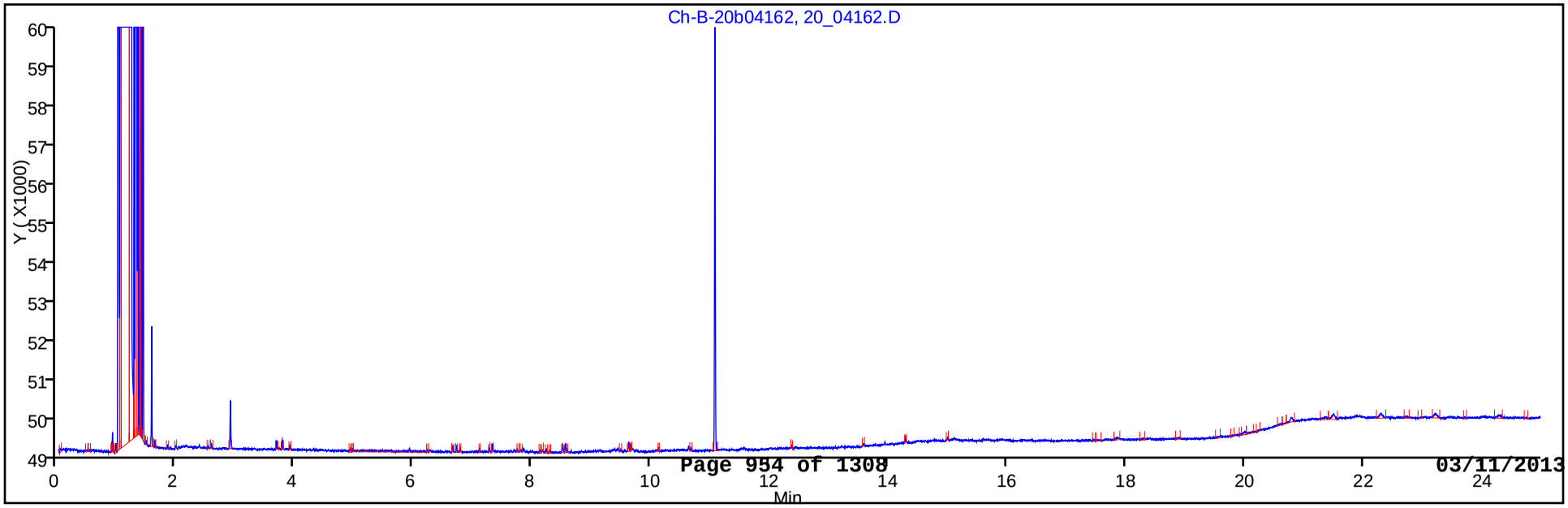
TestAmerica Buffalo

Data File:	\\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\20_04162.D		
Injection Date:	26-Dec-2012 19:02:28	Limit Group:	GC MAEPH ICAL
Client ID:	OC-SB-533-13/15-XXX	Instrument ID:	HP7890-20
Lims Batch ID:	97357	Lims Sample ID:	22
Operator ID:	tchrom	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30197-1

SDG No.:

Client Sample ID: OC-SB-532-0.0/1.0-XXX | Lab Sample ID: 480-30197-16

Matrix: Solid | Lab File ID: 20_04163.D

Analysis Method: MA-EPH | Date Collected: 12/13/2012 14:40

Extraction Method: MA EPH Frac | Date Extracted: 12/19/2012 08:06

Sample wt/vol: 000010.3(g) | Date Analyzed: 12/26/2012 19:31

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-5 ID: 0.53(mm)

% Moisture: 6.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 97357 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
91-57-6	2-Methylnaphthalene	ND		1.0	1.0
83-32-9	Acenaphthene	ND		1.0	1.0
208-96-8	Acenaphthylene	ND		1.0	1.0
120-12-7	Anthracene	ND		1.0	1.0
56-55-3	Benzo[a]anthracene	ND		1.0	1.0
50-32-8	Benzo[a]pyrene	ND		1.0	1.0
205-99-2	Benzo[b]fluoranthene	ND		1.0	1.0
191-24-2	Benzo[g,h,i]perylene	ND		1.0	1.0
207-08-9	Benzo[k]fluoranthene	ND		1.0	1.0
218-01-9	Chrysene	ND		1.0	1.0
53-70-3	Dibenz(a,h)anthracene	ND		1.0	1.0
206-44-0	Fluoranthene	ND		1.0	1.0
86-73-7	Fluorene	ND		1.0	1.0
193-39-5	Indeno[1,2,3-cd]pyrene	ND		1.0	1.0
91-20-3	Naphthalene	ND		1.0	1.0
85-01-8	Phenanthrene	ND		1.0	1.0
129-00-0	Pyrene	ND		1.0	1.0
STL00058	C11-C22 Aromatics	28		10	10

CAS NO.	SURROGATE	%REC	Q	LIMITS
580-13-2	2-Bromonaphthalene	113		40-140
321-60-8	2-Fluorobiphenyl	114		40-140
84-15-1	o-Terphenyl	81		40-140

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\20_04163.D
Lims ID: 480-30197-A-16-D Client ID: OC-SB-532-0.0/1.0-XXX
Inject. Date: 26-Dec-2012 19:31:57 Dil. Factor: 1.0000
Sample Type: Client
Sample ID:
Misc. Info.:
Operator: tchrom Instrument ID: HP7890-20
Injection Vol: 1.0 ul ALS Bottle#: 0
Lims Batch ID: 97357 Lims Sample ID: 23
Detector 1 : Ch-A-20-01-a-020
Detector 2 : Ch-B-20-01-b-020

Method: \\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\7890-EPH.m
Last Update: 27-Dec-2012 07:18:21 Calib Date: 17-Oct-2012 19:37:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\BUFCHROM\ChromData\HP7890-20\20121017-15821.b\20-02-_-038.D
Limit Group: GC MAEPH ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK012

First Level Reviewer: bescod Date: 27-Dec-2012 07:18:21

Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
A 4 C9-C18 Aliphatics						M
2	6.400	3.000 - 9.800		3830	3.23	M
10 2-Methylnaphthalene						
1	6.648	6.640	0.008	291	0.2558	
$ 11 2-Fluorobiphenyl						
1	7.108	7.106	0.002	23284	22.8	
$ 14 2-Bromonaphthalene						
1	7.844	7.844	0.000	16448	22.5	
16 Fluorene						
1	8.510	8.506	0.004	356	0.2925	
18 Phenanthrene						
1	9.624	9.624	0.000	570	0.4558	
$ 21 o-Terphenyl						
1	10.126	10.128	-0.002	20024	16.2	
24 Fluoranthene						
1	11.034	11.030	0.004	176	0.1352	
$ 25 1-Chlorooctadecane						M
2	11.076	11.076	0.000	9149	10.6	M
26 Pyrene						
1	11.284	11.284	0.000	83	0.0635	
A 5 C11-C22 Aromatics						
1	11.650	7.500 - 15.800		157128	136.0	
A 3 C19-C36 Aliphatics						M
2	13.300	8.500 - 18.100		100004	69.1	M
32 Benzo[k]fluoranthene						
1	13.918	13.924	-0.006	216	0.1680	

Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
34 Benzo[b]fluoranthene						
1	13.962	13.954	0.008	374	0.2919	

QC Flag Legend

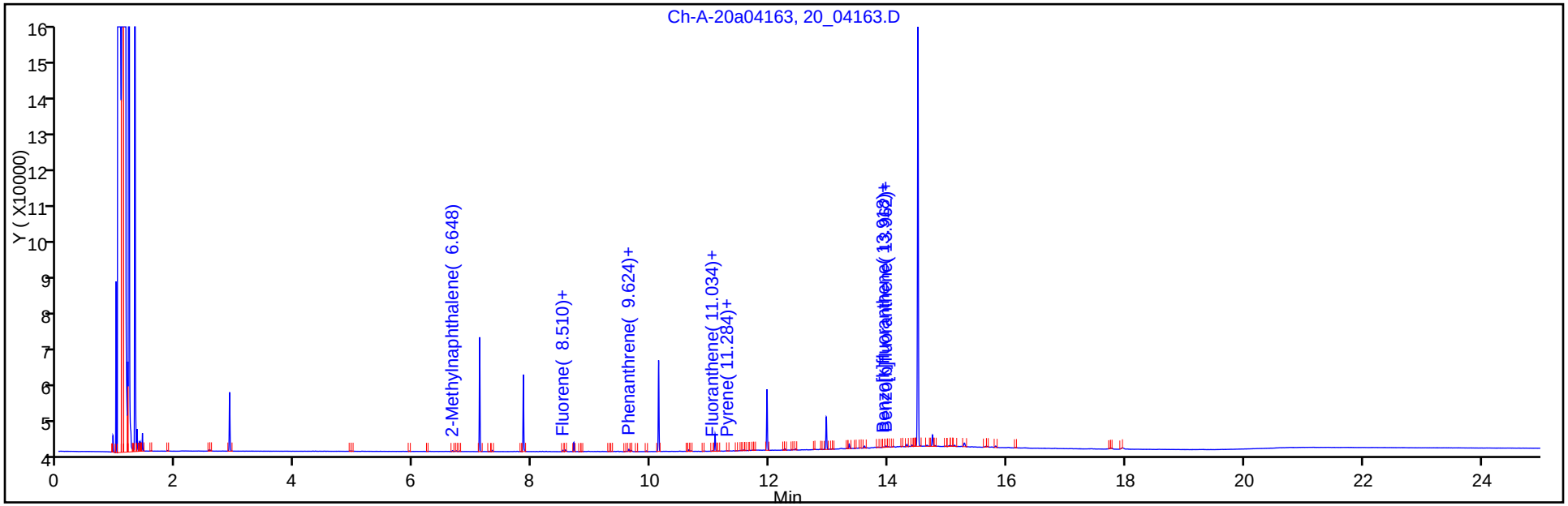
Review Flags
M - Manually Integrated

Report Date: 27-Dec-2012 07:18:21 Chrom Revision: 2.0 22-Oct-2012 16:30:48

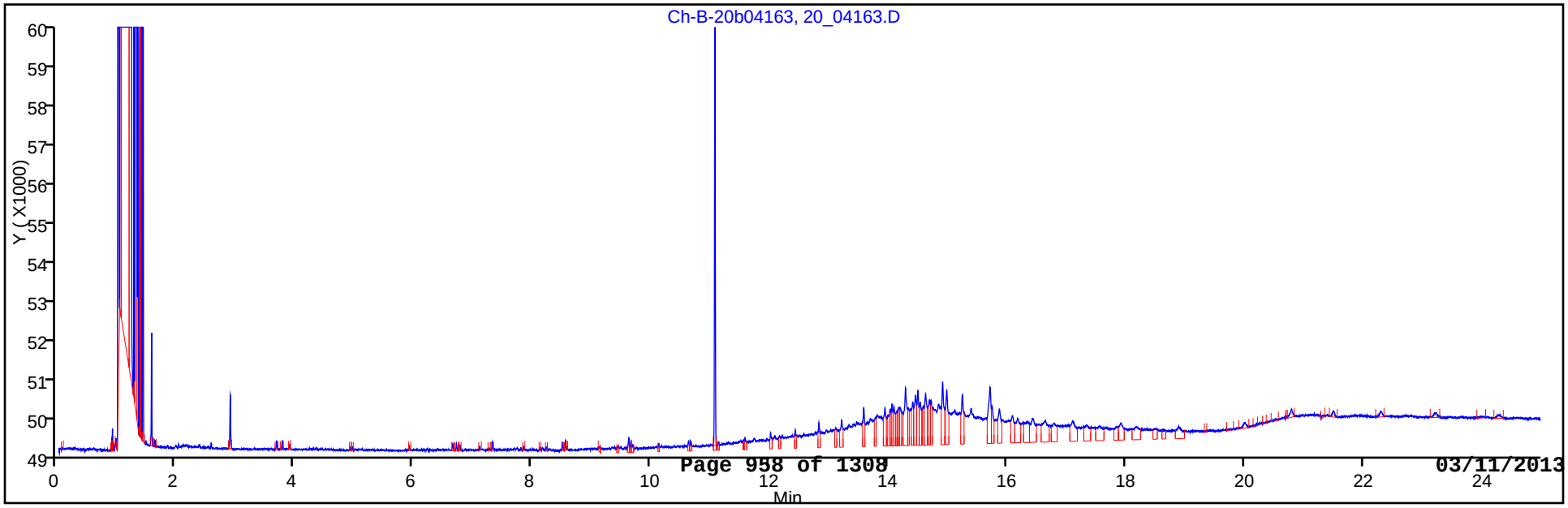
TestAmerica Buffalo

Data File:	\\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\20_04163.D		
Injection Date:	26-Dec-2012 19:31:57	Limit Group:	GC MAEPH ICAL
Client ID:	OC-SB-532-0.0/1.0-XXX	Instrument ID:	HP7890-20
Lims Batch ID:	97357	Lims Sample ID:	23
Operator ID:	tchrom	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo
Job No.: 480-30197-1
SDG No.:
Client Sample ID: OC-SB-532-0.0/1.0-XXX
Lab Sample ID: 480-30197-16
Matrix: Solid
Lab File ID: 20_04163.D
Analysis Method: MA-EPH
Date Collected: 12/13/2012 14:40
Extraction Method: MA EPH Frac
Date Extracted: 12/19/2012 08:06
Sample wt/vol: 000010.3(g)
Date Analyzed: 12/26/2012 19:31
Con. Extract Vol.: 2(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: ZB-5 ID: 0.53(mm)
% Moisture: 6.3
GPC Cleanup:(Y/N) N
Analysis Batch No.: 97357
Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00087	C19-C36 Aliphatics	14		10	10
STL00306	C9-C18 Aliphatics	ND		10	10

CAS NO.	SURROGATE	%REC	Q	LIMITS
3386-33-2	1-Chlorooctadecane	53		40-140

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\20_04163.D		
Lims ID:	480-30197-A-16-D	Client ID:	OC-SB-532-0.0/1.0-XXX
Inject. Date:	26-Dec-2012 19:31:57	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:			
Misc. Info.:			
Operator:	tchrom	Instrument ID:	HP7890-20
Injection Vol:	1.0 ul	ALS Bottle#:	0
Lims Batch ID:	97357	Lims Sample ID:	23
Detector 1 :	Ch-A-20-01-a-020		
Detector 2 :	Ch-B-20-01-b-020		

Method:	\\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\7890-EPH.m		
Last Update:	27-Dec-2012 07:18:21	Calib Date:	17-Oct-2012 19:37:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\BUFCHROM\ChromData\HP7890-20\20121017-15821.b\20-02-_-038.D		
Limit Group:	GC MAEPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK012		

First Level Reviewer: bescod Date: 27-Dec-2012 07:18:21

Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
A 4 C9-C18 Aliphatics						M
2	6.400	3.000 -	9.800	3830	3.23	M
10 2-Methylnaphthalene						
1	6.648	6.640	0.008	291	0.2558	
$ 11 2-Fluorobiphenyl						
1	7.108	7.106	0.002	23284	22.8	
$ 14 2-Bromonaphthalene						
1	7.844	7.844	0.000	16448	22.5	
16 Fluorene						
1	8.510	8.506	0.004	356	0.2925	
18 Phenanthrene						
1	9.624	9.624	0.000	570	0.4558	
$ 21 o-Terphenyl						
1	10.126	10.128	-0.002	20024	16.2	
24 Fluoranthene						
1	11.034	11.030	0.004	176	0.1352	
$ 25 1-Chlorooctadecane						M
2	11.076	11.076	0.000	9149	10.6	M
26 Pyrene						
1	11.284	11.284	0.000	83	0.0635	
A 5 C11-C22 Aromatics						
1	11.650	7.500 -	15.800	157128	136.0	
A 3 C19-C36 Aliphatics						M
2	13.300	8.500 -	18.100	100004	69.1	M
32 Benzo[k]fluoranthene						
1	13.918	13.924	-0.006	216	0.1680	

Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
34 Benzo[b]fluoranthene						
1	13.962	13.954	0.008	374	0.2919	

QC Flag Legend

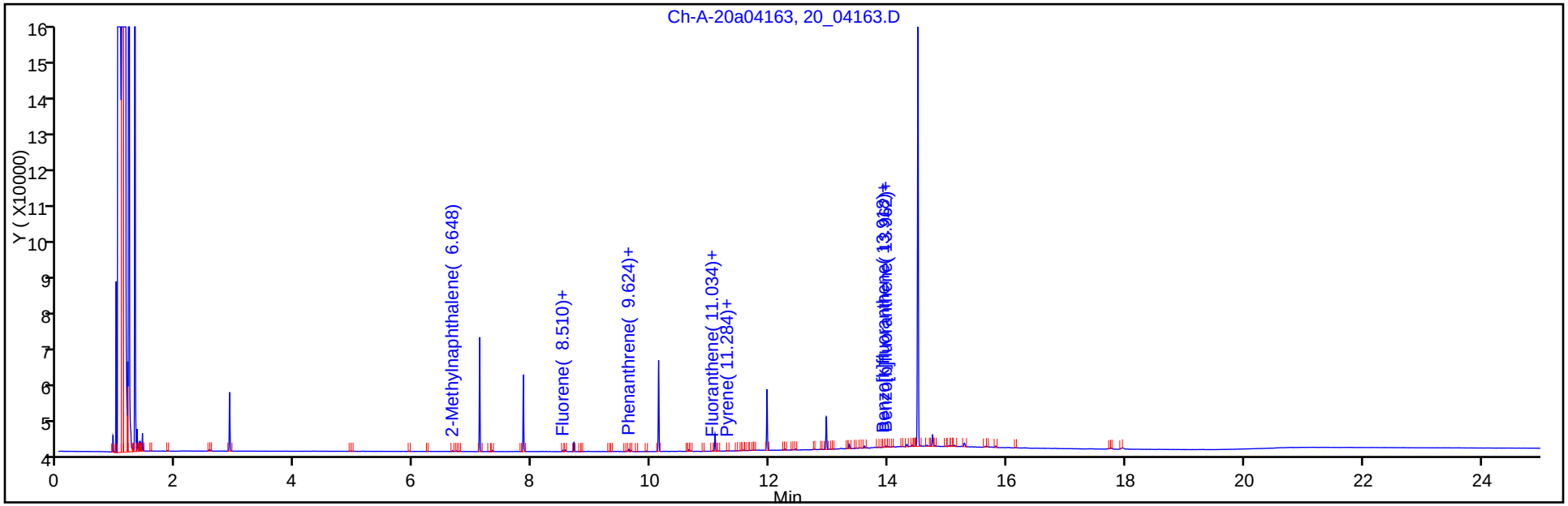
Review Flags
M - Manually Integrated

Report Date: 27-Dec-2012 07:18:21 Chrom Revision: 2.0 22-Oct-2012 16:30:48

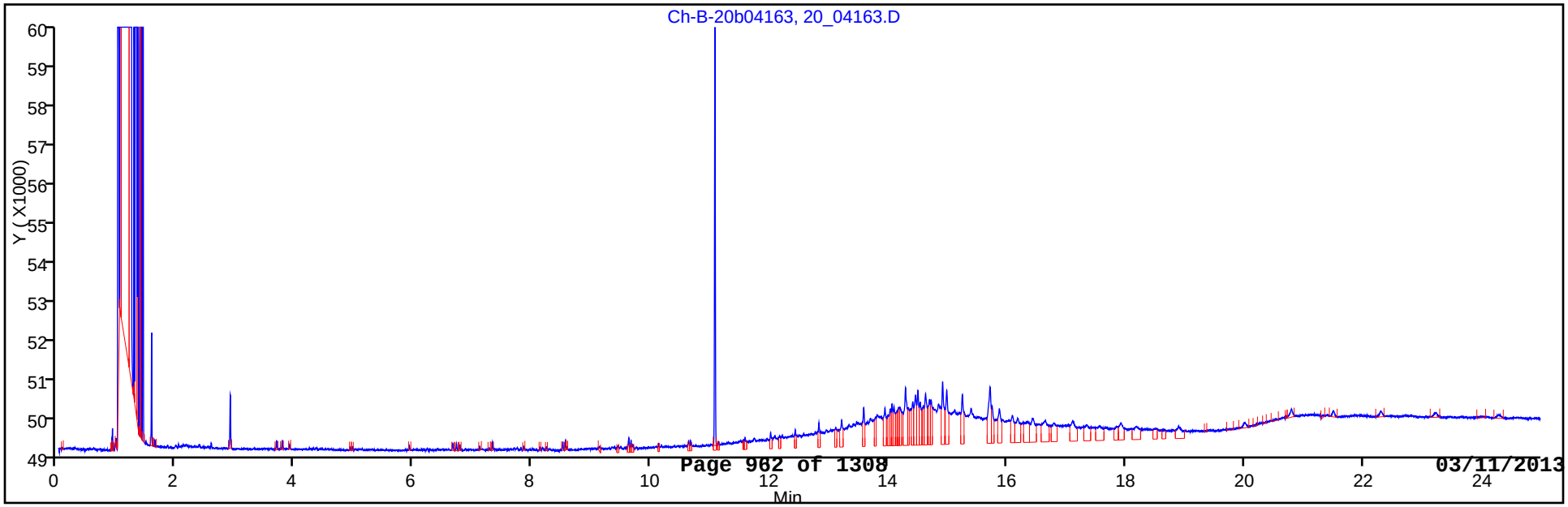
TestAmerica Buffalo

Data File:	\\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\20_04163.D		
Injection Date:	26-Dec-2012 19:31:57	Limit Group:	GC MAEPH ICAL
Client ID:	OC-SB-532-0.0/1.0-XXX	Instrument ID:	HP7890-20
Lims Batch ID:	97357	Lims Sample ID:	23
Operator ID:	tchrom	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



Manual Integration/User Assign Peak Report

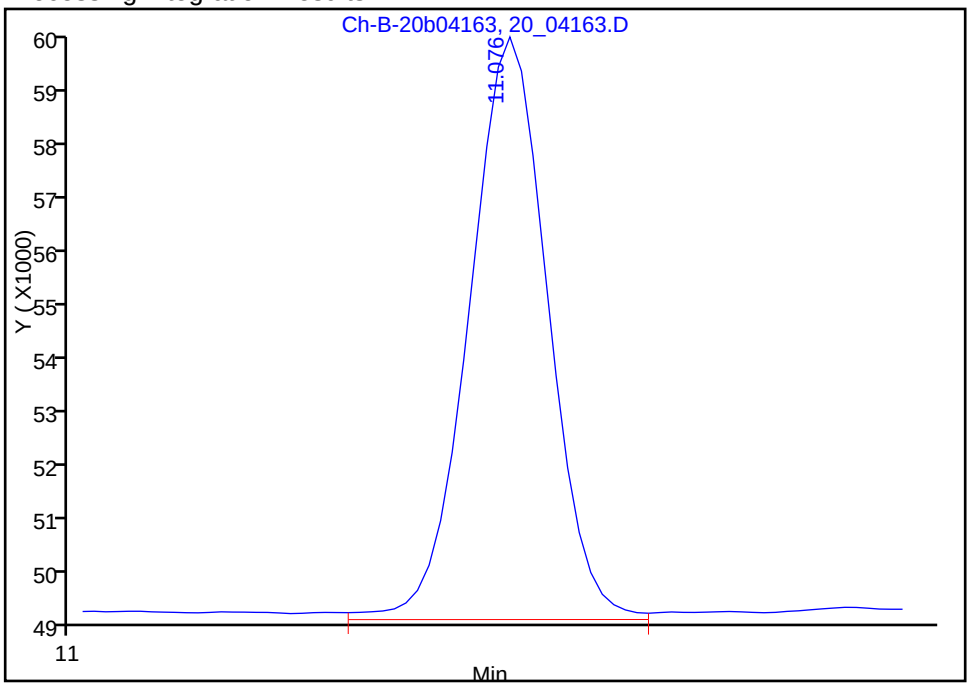
TestAmerica Buffalo

Data File:	\\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\20_04163.D		
Injection Date:	26-Dec-2012 19:31:57	Limit Group:	GC MAEPH ICAL
Client ID:	OC-SB-532-0.0/1.0-XXX	Instrument ID:	HP7890-20
Lims Batch ID:	97357	Lims Sample ID:	23
Operator ID:	tchrom	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

$ 25 1-Chlorooctadecane, Signal: 1, Type: quant, RT: 11.08, Det: Ch-B-20-01-b-020

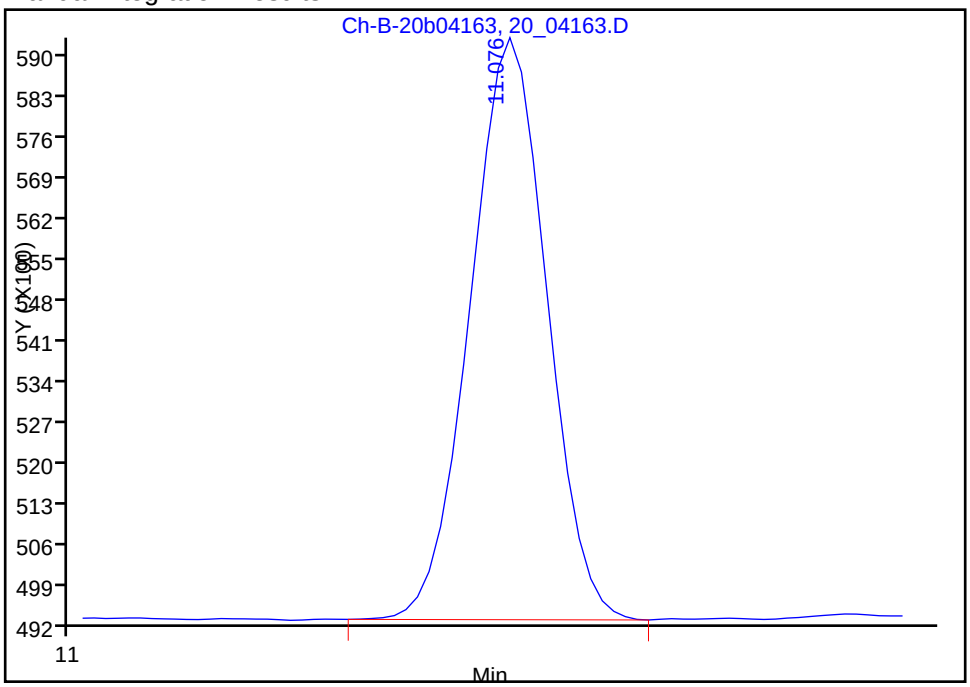
Processing Integration Results

RT: 11.08
Response: 9149
Amount: 10.632244



Manual Integration Results

RT: 11.08
Response: 9149
Amount: 10.632244



Reviewer: bescod, 27-Dec-2012 07:18:21
Audit Action: Assigned New Baseline
Audit Reason: Incomplete Integration

Report Date: 27-Dec-2012 07:18:21 Chrom Revision: 2.0 22-Oct-2012 16:30:48

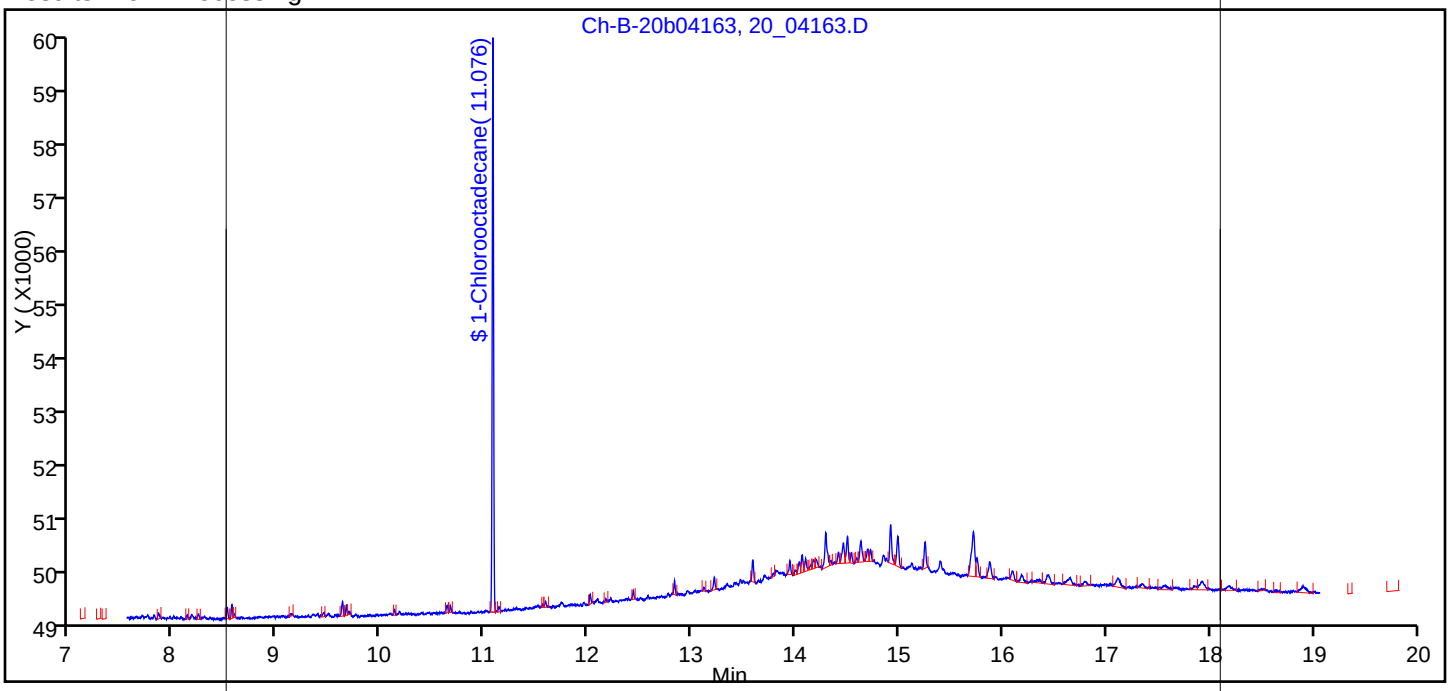
User Disabled Compound Report

TestAmerica Buffalo

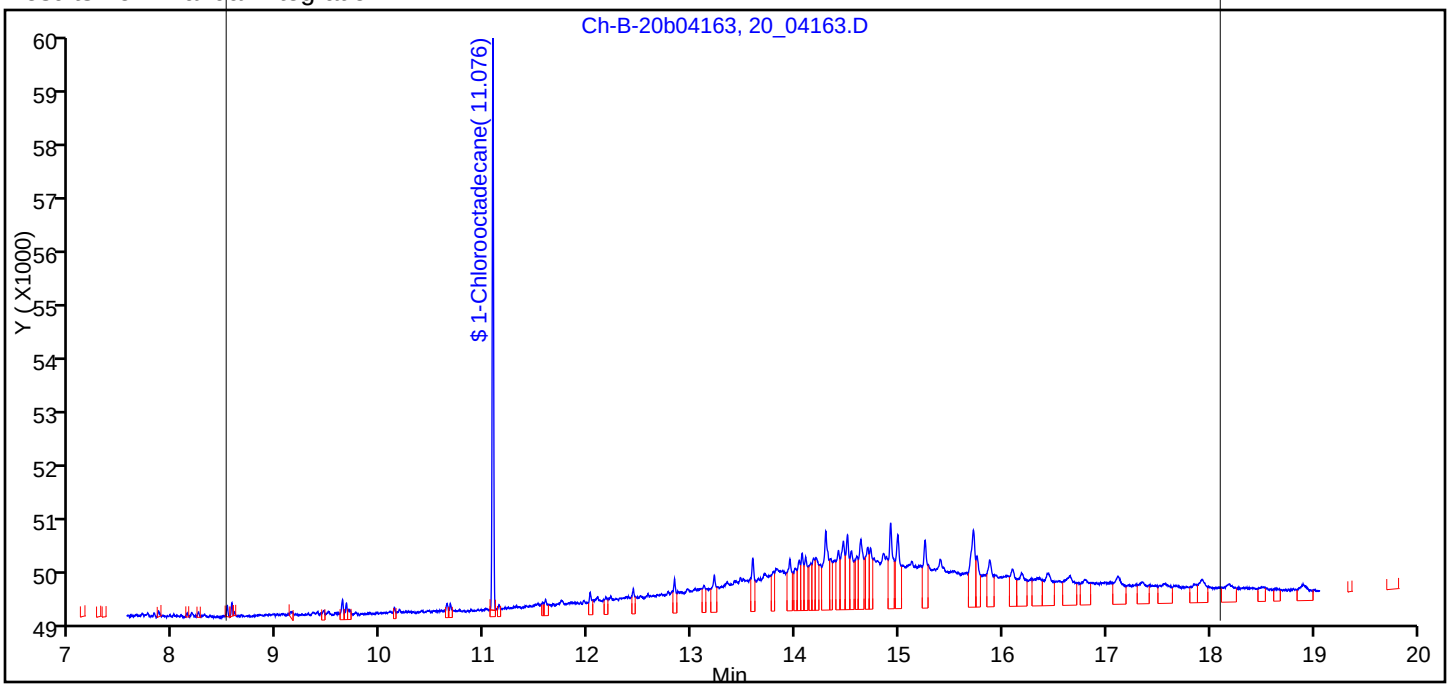
Data File:	\\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\20_04163.D		
Injection Date:	26-Dec-2012 19:31:57	Limit Group:	GC MAEPH ICAL
Client ID:	OC-SB-532-0.0/1.0-XXX	Instrument ID:	HP7890-20
Lims Batch ID:	97357	Lims Sample ID:	23
Operator ID:	tchrom	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

A 3 C19-C36 Aliphatics, Signal: 1, Type: quant, RT: 13.30, Det: Ch-B-20-01-b-020

Results From Processing



Results from Manual Integration



Reviewer: bescod, 27-Dec-2012 07:18:21

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Report Date: 27-Dec-2012 07:18:21 Chrom Revision: 2.0 22-Oct-2012 16:30:48

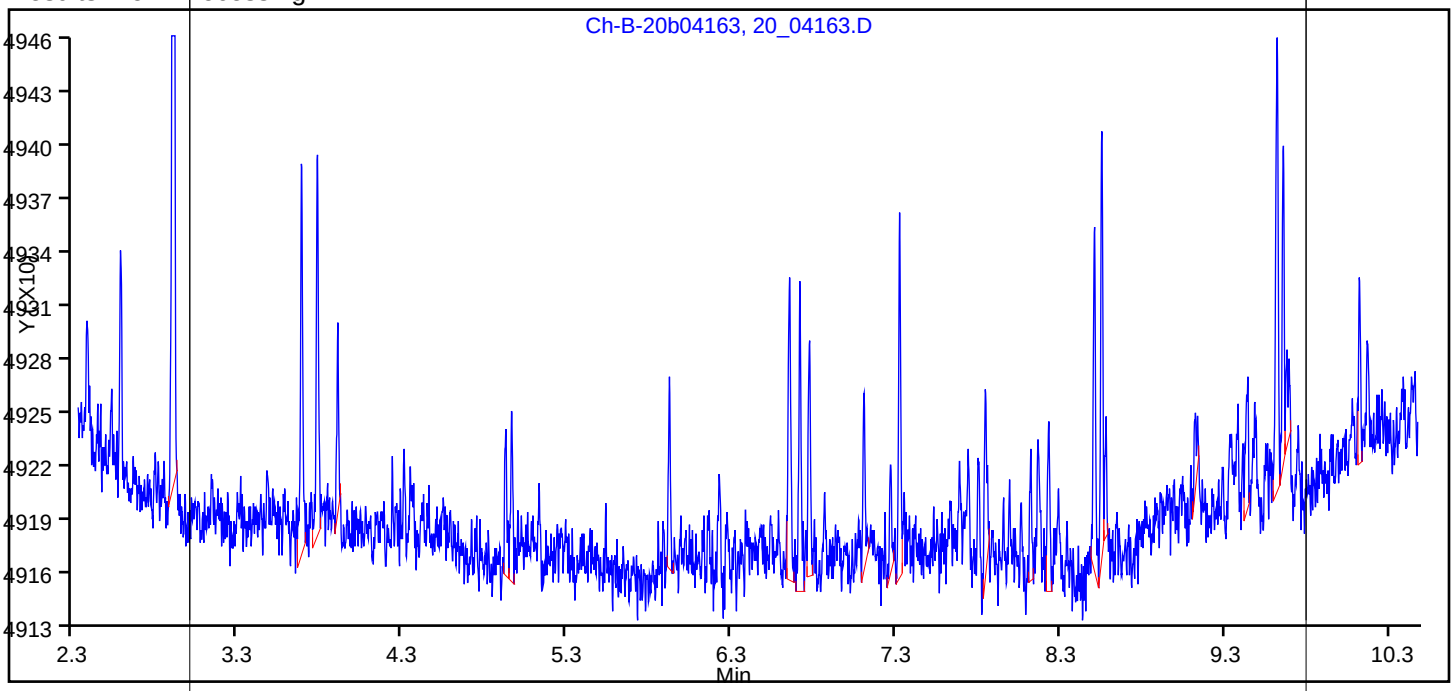
User Disabled Compound Report

TestAmerica Buffalo

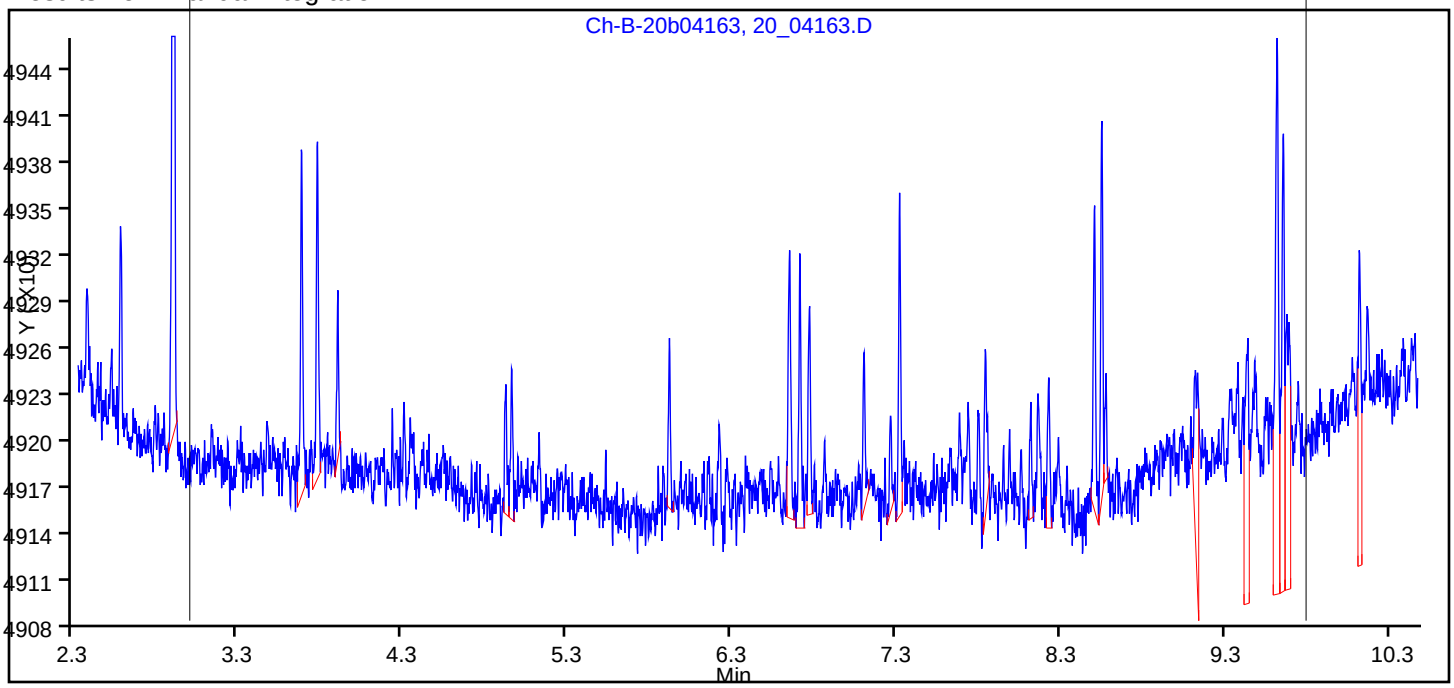
Data File:	\\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\20_04163.D		
Injection Date:	26-Dec-2012 19:31:57	Limit Group:	GC MAEPH ICAL
Client ID:	OC-SB-532-0.0/1.0-XXX	Instrument ID:	HP7890-20
Lims Batch ID:	97357	Lims Sample ID:	23
Operator ID:	tchrom	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

A 4 C9-C18 Aliphatics, Signal: 1, Type: quant, RT: 6.40, Det: Ch-B-20-01-b-020

Results From Processing



Results from Manual Integration



Reviewer: bescod, 27-Dec-2012 07:18:21

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30197-1

SDG No.:

Client Sample ID: OC-SB-532-6.0/8.0-XXX | Lab Sample ID: 480-30197-17

Matrix: Solid | Lab File ID: 20_04164.D

Analysis Method: MA-EPH | Date Collected: 12/13/2012 14:45

Extraction Method: MA EPH Frac | Date Extracted: 12/19/2012 08:06

Sample wt/vol: 000010.7(g) | Date Analyzed: 12/26/2012 20:01

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-5 ID: 0.53(mm)

% Moisture: 14.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 97357 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
91-57-6	2-Methylnaphthalene	ND		1.1	1.1
83-32-9	Acenaphthene	ND		1.1	1.1
208-96-8	Acenaphthylene	ND		1.1	1.1
120-12-7	Anthracene	ND		1.1	1.1
56-55-3	Benzo[a]anthracene	ND		1.1	1.1
50-32-8	Benzo[a]pyrene	ND		1.1	1.1
205-99-2	Benzo[b]fluoranthene	ND		1.1	1.1
191-24-2	Benzo[g,h,i]perylene	ND		1.1	1.1
207-08-9	Benzo[k]fluoranthene	ND		1.1	1.1
218-01-9	Chrysene	ND		1.1	1.1
53-70-3	Dibenz(a,h)anthracene	ND		1.1	1.1
206-44-0	Fluoranthene	ND		1.1	1.1
86-73-7	Fluorene	ND		1.1	1.1
193-39-5	Indeno[1,2,3-cd]pyrene	ND		1.1	1.1
91-20-3	Naphthalene	ND		1.1	1.1
85-01-8	Phenanthrene	ND		1.1	1.1
129-00-0	Pyrene	ND		1.1	1.1
STL00058	C11-C22 Aromatics	ND		11	11

CAS NO.	SURROGATE	%REC	Q	LIMITS
580-13-2	2-Bromonaphthalene	115		40-140
321-60-8	2-Fluorobiphenyl	116		40-140
84-15-1	o-Terphenyl	92		40-140

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\20_04164.D		
Lims ID:	480-30197-A-17-D	Client ID:	OC-SB-532-6.0/8.0-XXX
Inject. Date:	26-Dec-2012 20:01:56	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:			
Misc. Info.:			
Operator:	tchrom	Instrument ID:	HP7890-20
Injection Vol:	1.0 ul	ALS Bottle#:	0
Lims Batch ID:	97357	Lims Sample ID:	24
Detector 1 :	Ch-A-20-01-a-020		
Detector 2 :	Ch-B-20-01-b-020		

Method:	\\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\7890-EPH.m		
Last Update:	27-Dec-2012 07:18:42	Calib Date:	17-Oct-2012 19:37:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\BUFCHROM\ChromData\HP7890-20\20121017-15821.b\20-02-_-038.D		
Limit Group:	GC MAEPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK012		

First Level Reviewer: bescod Date: 27-Dec-2012 07:18:42

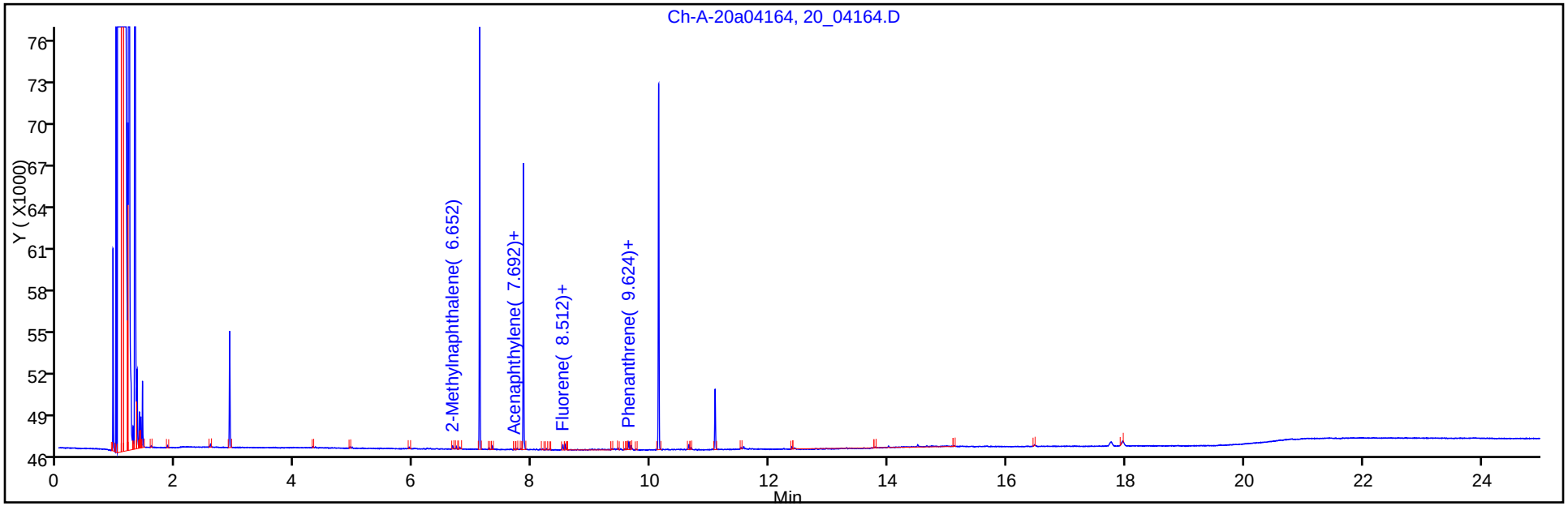
Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
A 4 C9-C18 Aliphatics						
2	6.400	3.000 -	9.800	2755	2.32	
10 2-Methylnaphthalene						
1	6.652	6.640	0.012	246	0.2162	
$ 11 2-Fluorobiphenyl						
1	7.108	7.106	0.002	23733	23.3	
13 Acenaphthylene						
1	7.692	7.680	0.012	74	0.0625	
$ 14 2-Bromonaphthalene						
1	7.846	7.844	0.002	16850	23.1	
16 Fluorene						
1	8.512	8.506	0.006	404	0.3319	
18 Phenanthrene						
1	9.624	9.624	0.000	562	0.4494	
$ 21 o-Terphenyl						
1	10.128	10.128	0.000	22889	18.5	
$ 25 1-Chlorooctadecane						
2	11.078	11.076	0.002	11228	13.0	
A 5 C11-C22 Aromatics						
1	11.650	7.500 -	15.800	11193	9.69	
A 3 C19-C36 Aliphatics						
2	13.300	8.500 -	18.100	4353	3.01	

Report Date: 27-Dec-2012 07:18:42 Chrom Revision: 2.0 22-Oct-2012 16:30:48

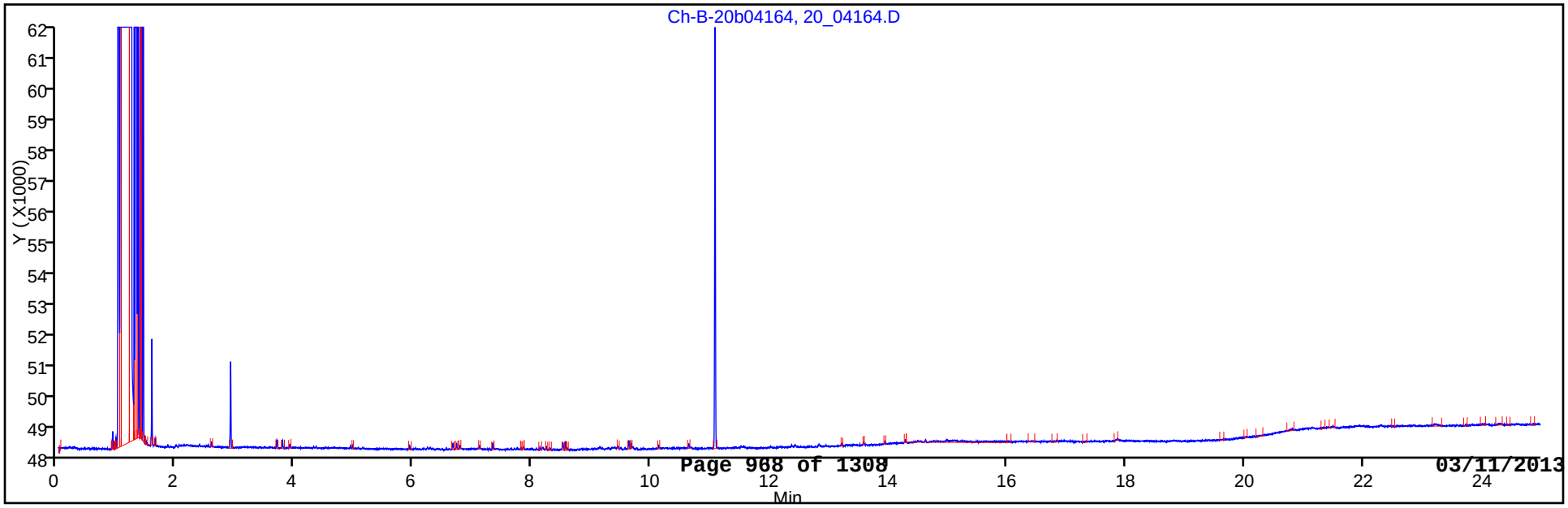
TestAmerica Buffalo

Data File:	\\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\20_04164.D		
Injection Date:	26-Dec-2012 20:01:56	Limit Group:	GC MAEPH ICAL
Client ID:	OC-SB-532-6.0/8.0-XXX	Instrument ID:	HP7890-20
Lims Batch ID:	97357	Lims Sample ID:	24
Operator ID:	tchrom	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo
Job No.: 480-30197-1
SDG No.:
Client Sample ID: OC-SB-532-6.0/8.0-XXX
Lab Sample ID: 480-30197-17
Matrix: Solid
Lab File ID: 20_04164.D
Analysis Method: MA-EPH
Date Collected: 12/13/2012 14:45
Extraction Method: MA EPH Frac
Date Extracted: 12/19/2012 08:06
Sample wt/vol: 000010.7(g)
Date Analyzed: 12/26/2012 20:01
Con. Extract Vol.: 2(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: ZB-5 ID: 0.53(mm)
% Moisture: 14.9
GPC Cleanup:(Y/N) N
Analysis Batch No.: 97357
Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00087	C19-C36 Aliphatics	ND		11	11
STL00306	C9-C18 Aliphatics	ND		11	11

CAS NO.	SURROGATE	%REC	Q	LIMITS
3386-33-2	1-Chlorooctadecane	65		40-140

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\20_04164.D		
Lims ID:	480-30197-A-17-D	Client ID:	OC-SB-532-6.0/8.0-XXX
Inject. Date:	26-Dec-2012 20:01:56	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:			
Misc. Info.:			
Operator:	tchrom	Instrument ID:	HP7890-20
Injection Vol:	1.0 ul	ALS Bottle#:	0
Lims Batch ID:	97357	Lims Sample ID:	24
Detector 1 :	Ch-A-20-01-a-020		
Detector 2 :	Ch-B-20-01-b-020		

Method:	\\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\7890-EPH.m		
Last Update:	27-Dec-2012 07:18:42	Calib Date:	17-Oct-2012 19:37:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\BUFCHROM\ChromData\HP7890-20\20121017-15821.b\20-02-_-038.D		
Limit Group:	GC MAEPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK012		

First Level Reviewer: bescod Date: 27-Dec-2012 07:18:42

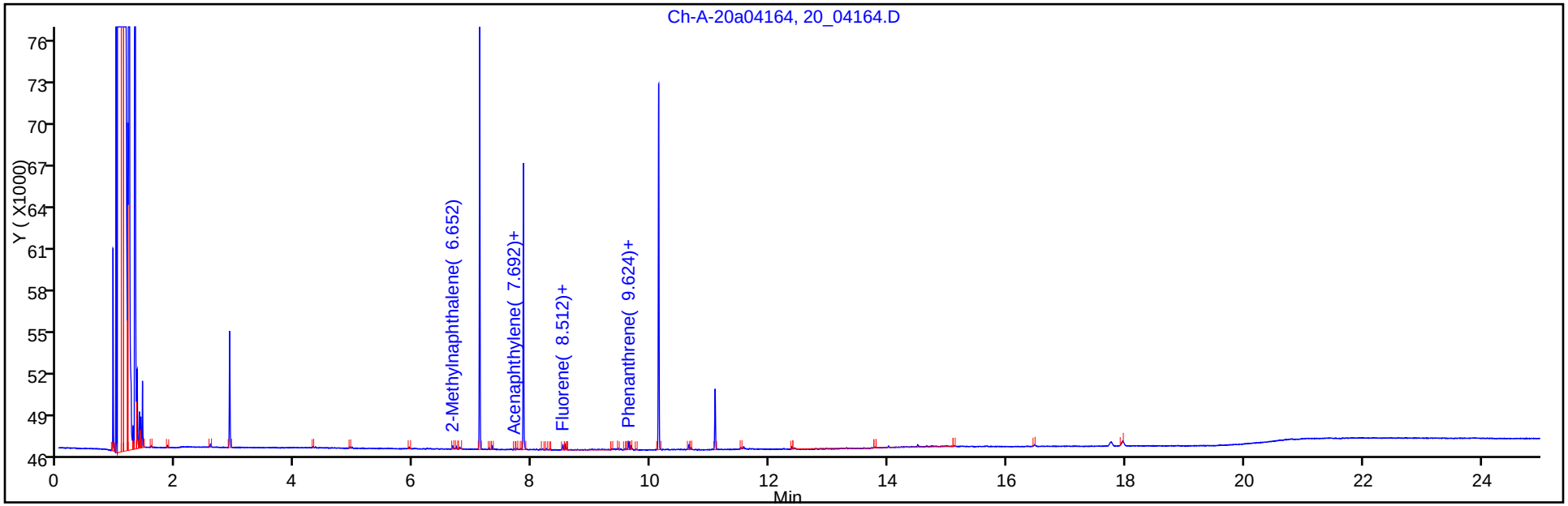
Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
A 4 C9-C18 Aliphatics						
2	6.400	3.000 -	9.800	2755	2.32	
10 2-Methylnaphthalene						
1	6.652	6.640	0.012	246	0.2162	
$ 11 2-Fluorobiphenyl						
1	7.108	7.106	0.002	23733	23.3	
13 Acenaphthylene						
1	7.692	7.680	0.012	74	0.0625	
$ 14 2-Bromonaphthalene						
1	7.846	7.844	0.002	16850	23.1	
16 Fluorene						
1	8.512	8.506	0.006	404	0.3319	
18 Phenanthrene						
1	9.624	9.624	0.000	562	0.4494	
$ 21 o-Terphenyl						
1	10.128	10.128	0.000	22889	18.5	
$ 25 1-Chlorooctadecane						
2	11.078	11.076	0.002	11228	13.0	
A 5 C11-C22 Aromatics						
1	11.650	7.500 -	15.800	11193	9.69	
A 3 C19-C36 Aliphatics						
2	13.300	8.500 -	18.100	4353	3.01	

Report Date: 27-Dec-2012 07:18:43 Chrom Revision: 2.0 22-Oct-2012 16:30:48

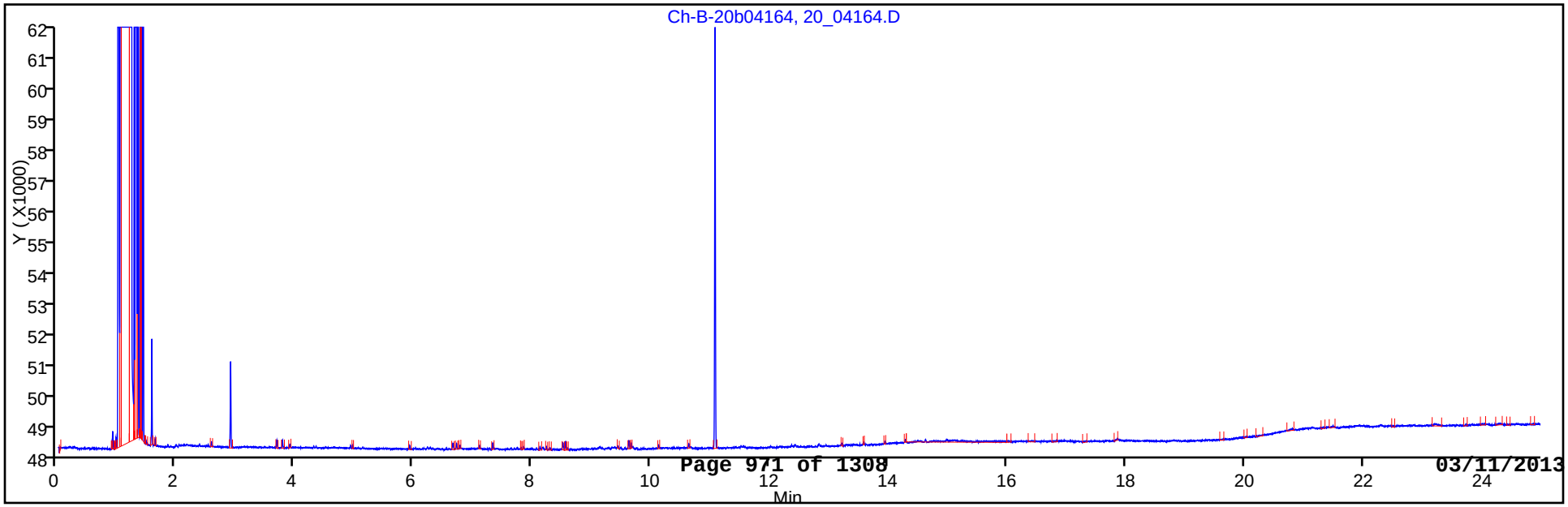
TestAmerica Buffalo

Data File:	\\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\20_04164.D		
Injection Date:	26-Dec-2012 20:01:56	Limit Group:	GC MAEPH ICAL
Client ID:	OC-SB-532-6.0/8.0-XXX	Instrument ID:	HP7890-20
Lims Batch ID:	97357	Lims Sample ID:	24
Operator ID:	tchrom	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30197-1

SDG No.:

Client Sample ID: OC-SB-532-11/13-XXX | Lab Sample ID: 480-30197-18

Matrix: Solid | Lab File ID: 20_04165.D

Analysis Method: MA-EPH | Date Collected: 12/13/2012 14:50

Extraction Method: MA EPH Frac | Date Extracted: 12/19/2012 08:06

Sample wt/vol: 000010.4(g) | Date Analyzed: 12/26/2012 20:31

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-5 ID: 0.53(mm)

% Moisture: 25.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 97357 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
91-57-6	2-Methylnaphthalene	ND		1.3	1.3
83-32-9	Acenaphthene	ND		1.3	1.3
208-96-8	Acenaphthylene	ND		1.3	1.3
120-12-7	Anthracene	ND		1.3	1.3
56-55-3	Benzo[a]anthracene	ND		1.3	1.3
50-32-8	Benzo[a]pyrene	ND		1.3	1.3
205-99-2	Benzo[b]fluoranthene	ND		1.3	1.3
191-24-2	Benzo[g,h,i]perylene	ND		1.3	1.3
207-08-9	Benzo[k]fluoranthene	ND		1.3	1.3
218-01-9	Chrysene	ND		1.3	1.3
53-70-3	Dibenz(a,h)anthracene	ND		1.3	1.3
206-44-0	Fluoranthene	ND		1.3	1.3
86-73-7	Fluorene	ND		1.3	1.3
193-39-5	Indeno[1,2,3-cd]pyrene	ND		1.3	1.3
91-20-3	Naphthalene	ND		1.3	1.3
85-01-8	Phenanthrene	ND		1.3	1.3
129-00-0	Pyrene	ND		1.3	1.3
STL00058	C11-C22 Aromatics	ND		13	13

CAS NO.	SURROGATE	%REC	Q	LIMITS
580-13-2	2-Bromonaphthalene	116		40-140
321-60-8	2-Fluorobiphenyl	117		40-140
84-15-1	o-Terphenyl	89		40-140

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\20_04165.D		
Lims ID:	480-30197-A-18-D	Client ID:	OC-SB-532-11/13-XXX
Inject. Date:	26-Dec-2012 20:31:25	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:			
Misc. Info.:			
Operator:	tchrom	Instrument ID:	HP7890-20
Injection Vol:	1.0 ul	ALS Bottle#:	0
Lims Batch ID:	97357	Lims Sample ID:	25
Detector 1 :	Ch-A-20-01-a-020		
Detector 2 :	Ch-B-20-01-b-020		

Method:	\\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\7890-EPH.m		
Last Update:	27-Dec-2012 07:18:53	Calib Date:	17-Oct-2012 19:37:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\BUFCHROM\ChromData\HP7890-20\20121017-15821.b\20-02-_-038.D		
Limit Group:	GC MAEPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK012		

First Level Reviewer: bescod Date: 27-Dec-2012 07:19:16

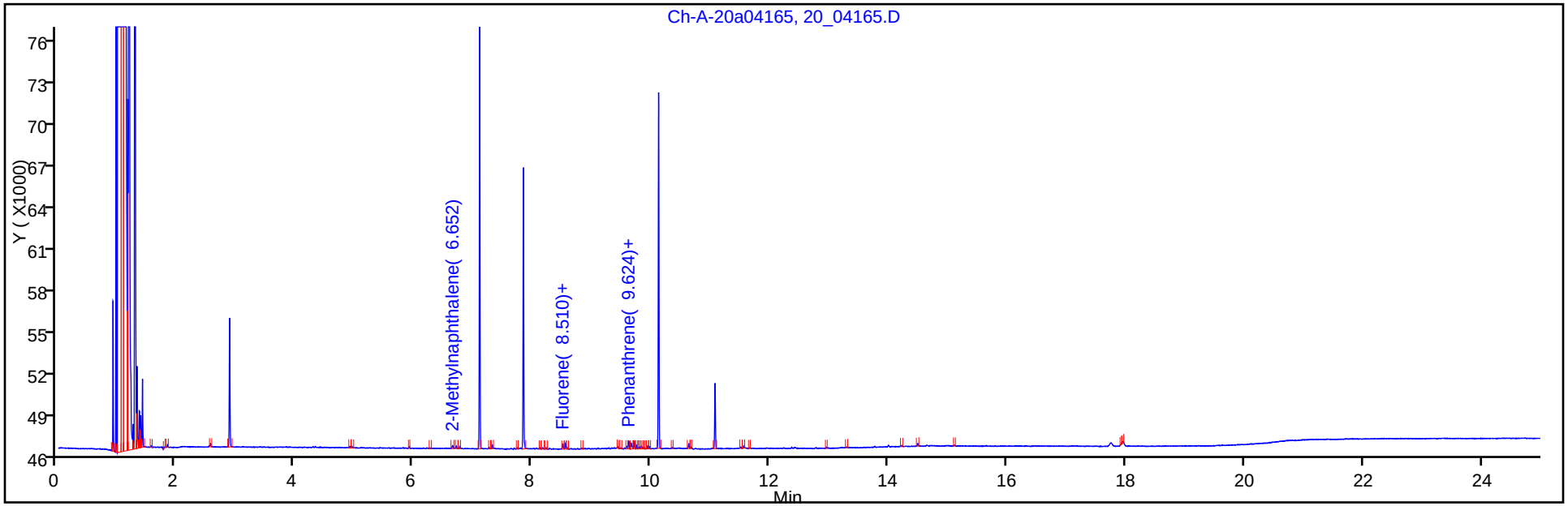
Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
A 4 C9-C18 Aliphatics						
2	6.400	3.000 -	9.800	3471	2.93	
10 2-Methylnaphthalene						
1	6.652	6.640	0.012	245	0.2154	
$ 11 2-Fluorobiphenyl						
1	7.108	7.106	0.002	23772	23.3	
$ 14 2-Bromonaphthalene						
1	7.846	7.844	0.002	16868	23.1	
16 Fluorene						
1	8.510	8.506	0.004	393	0.3229	
18 Phenanthrene						
1	9.624	9.624	0.000	564	0.4510	
$ 21 o-Terphenyl						
1	10.126	10.128	-0.002	21929	17.7	
$ 25 1-Chlorooctadecane						
2	11.076	11.076	0.000	10192	11.8	
A 5 C11-C22 Aromatics						
1	11.650	7.500 -	15.800	10478	9.07	
A 3 C19-C36 Aliphatics						
2	13.300	8.500 -	18.100	13770	9.51	

Report Date: 27-Dec-2012 07:19:16 Chrom Revision: 2.0 22-Oct-2012 16:30:48

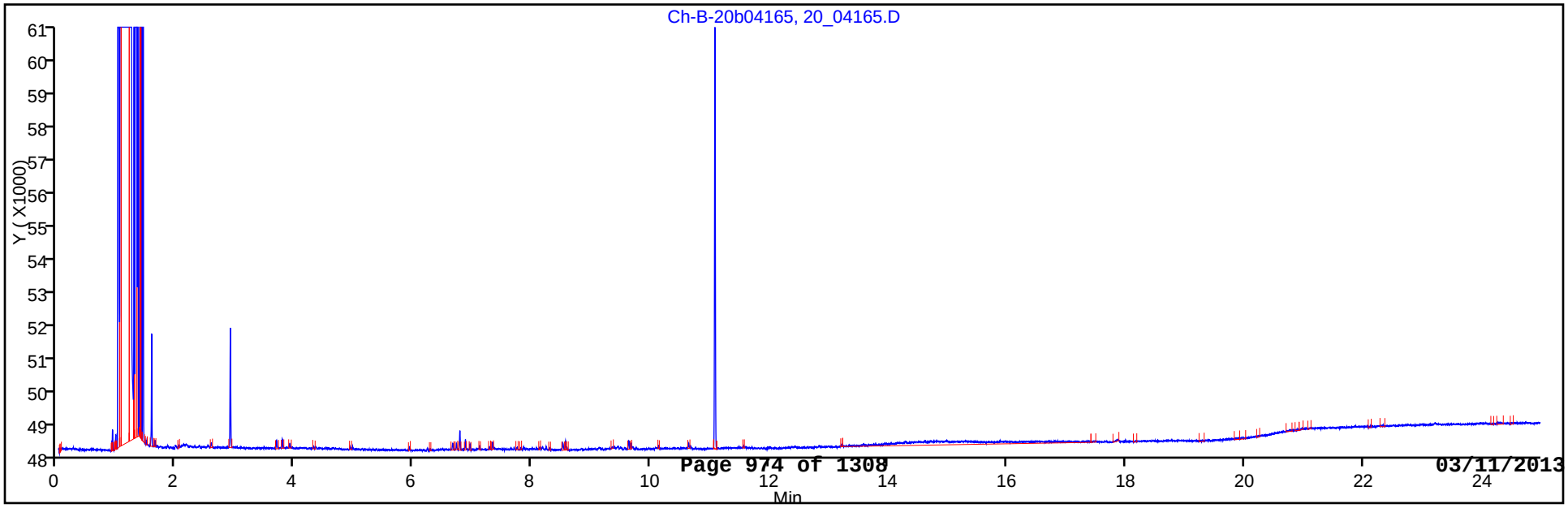
TestAmerica Buffalo

Data File:	\\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\20_04165.D		
Injection Date:	26-Dec-2012 20:31:25	Limit Group:	GC MAEPH ICAL
Client ID:	OC-SB-532-11/13-XXX	Instrument ID:	HP7890-20
Lims Batch ID:	97357	Lims Sample ID:	25
Operator ID:	tchrom	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo
Job No.: 480-30197-1
SDG No.:
Client Sample ID: OC-SB-532-11/13-XXX
Lab Sample ID: 480-30197-18
Matrix: Solid
Lab File ID: 20_04165.D
Analysis Method: MA-EPH
Date Collected: 12/13/2012 14:50
Extraction Method: MA EPH Frac
Date Extracted: 12/19/2012 08:06
Sample wt/vol: 000010.4(g)
Date Analyzed: 12/26/2012 20:31
Con. Extract Vol.: 2(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: ZB-5 ID: 0.53(mm)
% Moisture: 25.0
GPC Cleanup:(Y/N) N
Analysis Batch No.: 97357
Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00087	C19-C36 Aliphatics	ND		13	13
STL00306	C9-C18 Aliphatics	ND		13	13

CAS NO.	SURROGATE	%REC	Q	LIMITS
3386-33-2	1-Chlorooctadecane	59		40-140

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\20_04165.D		
Lims ID:	480-30197-A-18-D	Client ID:	OC-SB-532-11/13-XXX
Inject. Date:	26-Dec-2012 20:31:25	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:			
Misc. Info.:			
Operator:	tchrom	Instrument ID:	HP7890-20
Injection Vol:	1.0 ul	ALS Bottle#:	0
Lims Batch ID:	97357	Lims Sample ID:	25
Detector 1 :	Ch-A-20-01-a-020		
Detector 2 :	Ch-B-20-01-b-020		

Method:	\\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\7890-EPH.m		
Last Update:	27-Dec-2012 07:18:53	Calib Date:	17-Oct-2012 19:37:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\BUFCHROM\ChromData\HP7890-20\20121017-15821.b\20-02-_-038.D		
Limit Group:	GC MAEPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK012		

First Level Reviewer: bescod Date: 27-Dec-2012 07:19:16

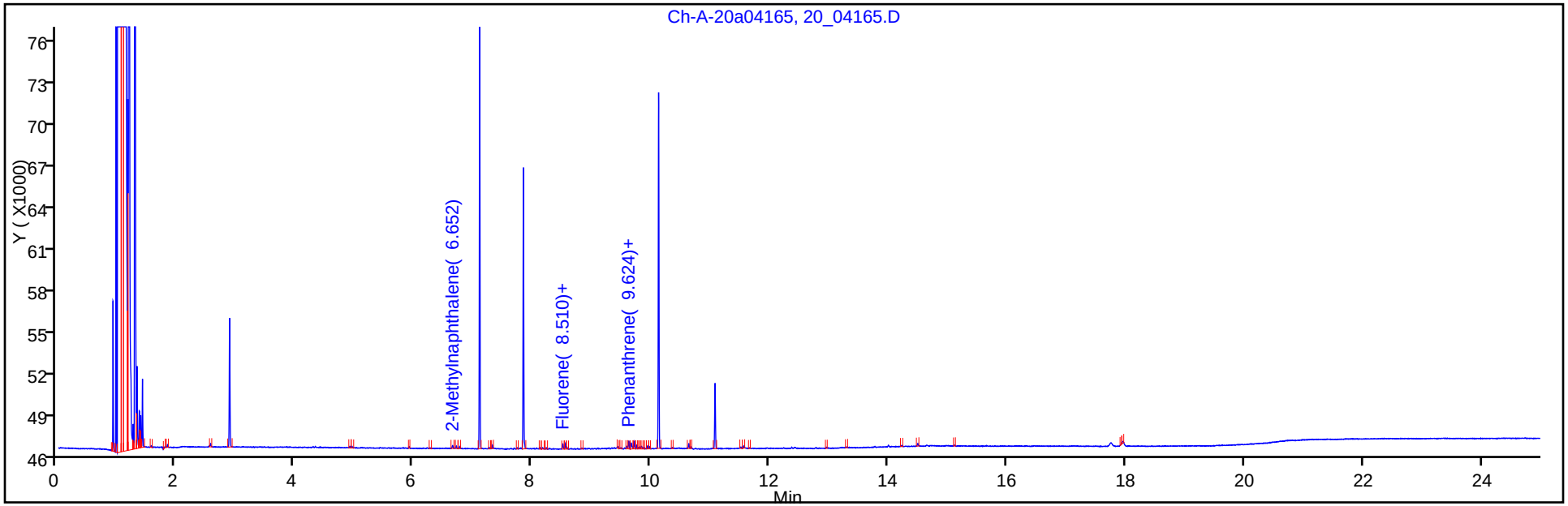
Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
A 4 C9-C18 Aliphatics						
2	6.400	3.000 -	9.800	3471	2.93	
10 2-Methylnaphthalene						
1	6.652	6.640	0.012	245	0.2154	
$ 11 2-Fluorobiphenyl						
1	7.108	7.106	0.002	23772	23.3	
$ 14 2-Bromonaphthalene						
1	7.846	7.844	0.002	16868	23.1	
16 Fluorene						
1	8.510	8.506	0.004	393	0.3229	
18 Phenanthrene						
1	9.624	9.624	0.000	564	0.4510	
$ 21 o-Terphenyl						
1	10.126	10.128	-0.002	21929	17.7	
$ 25 1-Chlorooctadecane						
2	11.076	11.076	0.000	10192	11.8	
A 5 C11-C22 Aromatics						
1	11.650	7.500 -	15.800	10478	9.07	
A 3 C19-C36 Aliphatics						
2	13.300	8.500 -	18.100	13770	9.51	

Report Date: 27-Dec-2012 07:19:16 Chrom Revision: 2.0 22-Oct-2012 16:30:48

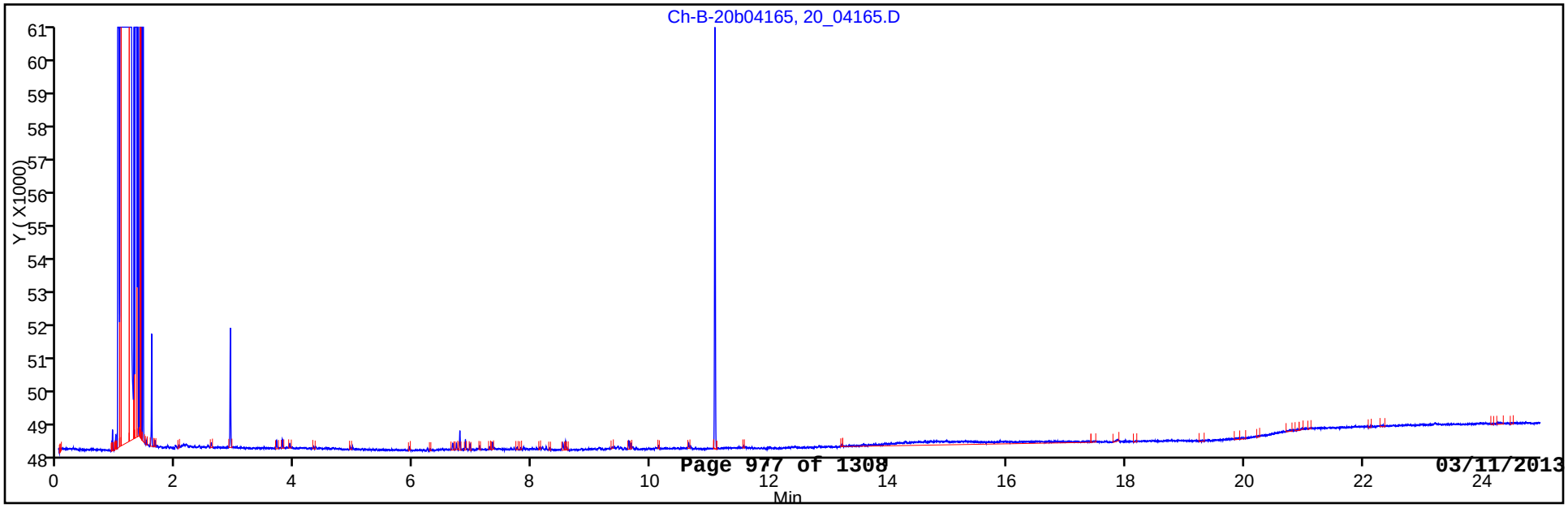
TestAmerica Buffalo

Data File:	\\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\20_04165.D		
Injection Date:	26-Dec-2012 20:31:25	Limit Group:	GC MAEPH ICAL
Client ID:	OC-SB-532-11/13-XXX	Instrument ID:	HP7890-20
Lims Batch ID:	97357	Lims Sample ID:	25
Operator ID:	tchrom	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30197-1

SDG No.:

Client Sample ID: OC-SB-534-0.0/1.0-XXX | Lab Sample ID: 480-30197-19

Matrix: Solid | Lab File ID: 20_04166.D

Analysis Method: MA-EPH | Date Collected: 12/13/2012 15:05

Extraction Method: MA EPH Frac | Date Extracted: 12/19/2012 08:06

Sample wt/vol: 000010.1(g) | Date Analyzed: 12/26/2012 21:00

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-5 ID: 0.53(mm)

% Moisture: 6.6 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 97357 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
91-57-6	2-Methylnaphthalene	ND		1.1	1.1
83-32-9	Acenaphthene	ND		1.1	1.1
208-96-8	Acenaphthylene	ND		1.1	1.1
120-12-7	Anthracene	ND		1.1	1.1
56-55-3	Benzo[a]anthracene	ND		1.1	1.1
50-32-8	Benzo[a]pyrene	ND		1.1	1.1
205-99-2	Benzo[b]fluoranthene	ND		1.1	1.1
191-24-2	Benzo[g,h,i]perylene	ND		1.1	1.1
207-08-9	Benzo[k]fluoranthene	ND		1.1	1.1
218-01-9	Chrysene	ND		1.1	1.1
53-70-3	Dibenz(a,h)anthracene	ND		1.1	1.1
206-44-0	Fluoranthene	ND		1.1	1.1
86-73-7	Fluorene	ND		1.1	1.1
193-39-5	Indeno[1,2,3-cd]pyrene	ND		1.1	1.1
91-20-3	Naphthalene	ND		1.1	1.1
85-01-8	Phenanthrene	ND		1.1	1.1
129-00-0	Pyrene	ND		1.1	1.1
STL00058	C11-C22 Aromatics	31		11	11

CAS NO.	SURROGATE	%REC	Q	LIMITS
580-13-2	2-Bromonaphthalene	118		40-140
321-60-8	2-Fluorobiphenyl	119		40-140
84-15-1	o-Terphenyl	84		40-140

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\20_04166.D
Lims ID: 480-30197-A-19-D Client ID: OC-SB-534-0.0/1.0-XXX
Inject. Date: 26-Dec-2012 21:00:47 Dil. Factor: 1.0000
Sample Type: Client
Sample ID:
Misc. Info.:
Operator: tchrom Instrument ID: HP7890-20
Injection Vol: 1.0 ul ALS Bottle#: 0
Lims Batch ID: 97357 Lims Sample ID: 26
Detector 1 : Ch-A-20-01-a-020
Detector 2 : Ch-B-20-01-b-020

Method: \\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\7890-EPH.m
Last Update: 27-Dec-2012 07:19:43 Calib Date: 17-Oct-2012 19:37:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\BUFCHROM\ChromData\HP7890-20\20121017-15821.b\20-02-_-038.D
Limit Group: GC MAEPH ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK012

First Level Reviewer: bescod Date: 27-Dec-2012 07:19:43

Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
A 4 C9-C18 Aliphatics						M
2	6.400	3.000 -	9.800	6110	5.16	M
10 2-Methylnaphthalene						
1	6.650	6.640	0.010	278	0.2444	
$ 11 2-Fluorobiphenyl						
1	7.108	7.106	0.002	24177	23.7	
$ 14 2-Bromonaphthalene						
1	7.844	7.844	0.000	17151	23.5	
16 Fluorene						
1	8.510	8.506	0.004	472	0.3877	
18 Phenanthrene						
1	9.624	9.624	0.000	723	0.5781	
$ 21 o-Terphenyl						
1	10.126	10.128	-0.002	20783	16.8	
24 Fluoranthene						
1	11.034	11.030	0.004	172	0.1321	
$ 25 1-Chlorooctadecane						M
2	11.076	11.076	0.000	10156	11.8	M
26 Pyrene						
1	11.284	11.284	0.000	108	0.0826	
A 5 C11-C22 Aromatics						M
1	11.650	7.500 -	15.800	167690	145.2	M
30 Chrysene						
1	12.754	12.766	-0.012	140	0.1144	
A 3 C19-C36 Aliphatics						M
2	13.300	8.500 -	18.100	160437	110.8	M

Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
32 Benzo[k]fluoranthene						M
1	13.920	13.920	-0.004	2266	1.76	M
34 Benzo[b]fluoranthene						M
1	13.964	13.964	0.010	1906	1.49	M
35 Benzo[a]pyrene						M
1	14.232	14.232	-0.016	1531	1.21	M
38 Dibenz(a,h)anthracene						M
1	15.462	15.462	-0.008	3838	3.08	M
39 Benzo[g,h,i]perylene						M
1	15.752	15.752	0.012	2203	1.74	M

QC Flag Legend

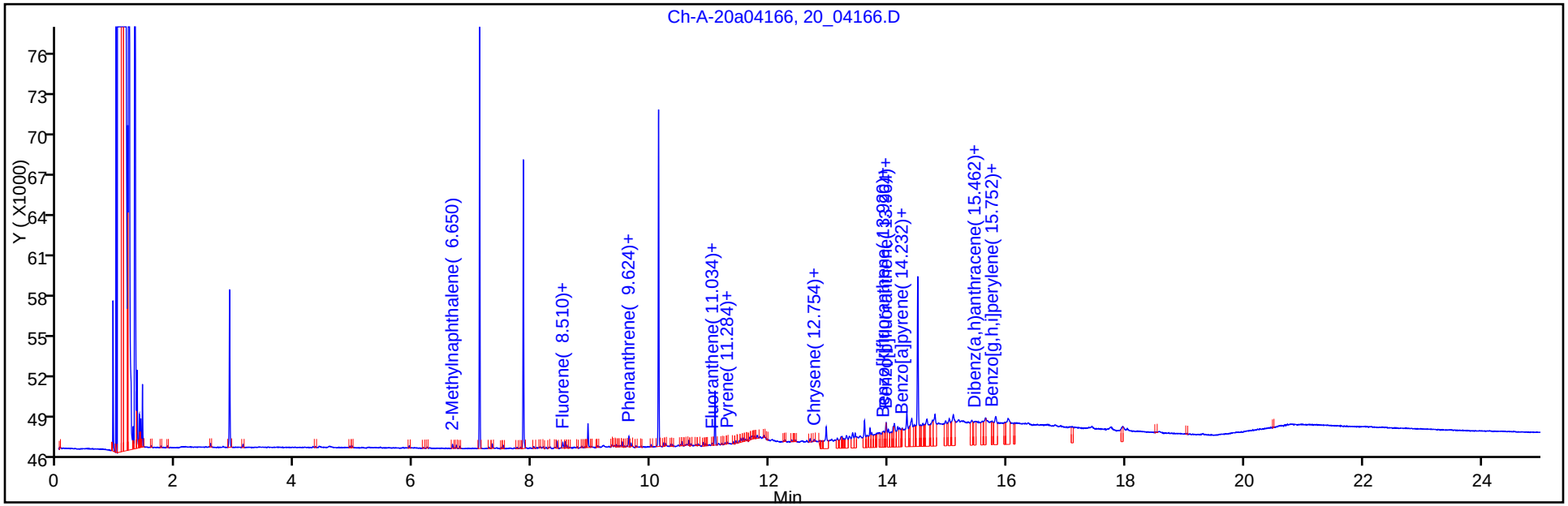
Review Flags
M - Manually Integrated

Report Date: 27-Dec-2012 07:19:43 Chrom Revision: 2.0 22-Oct-2012 16:30:48

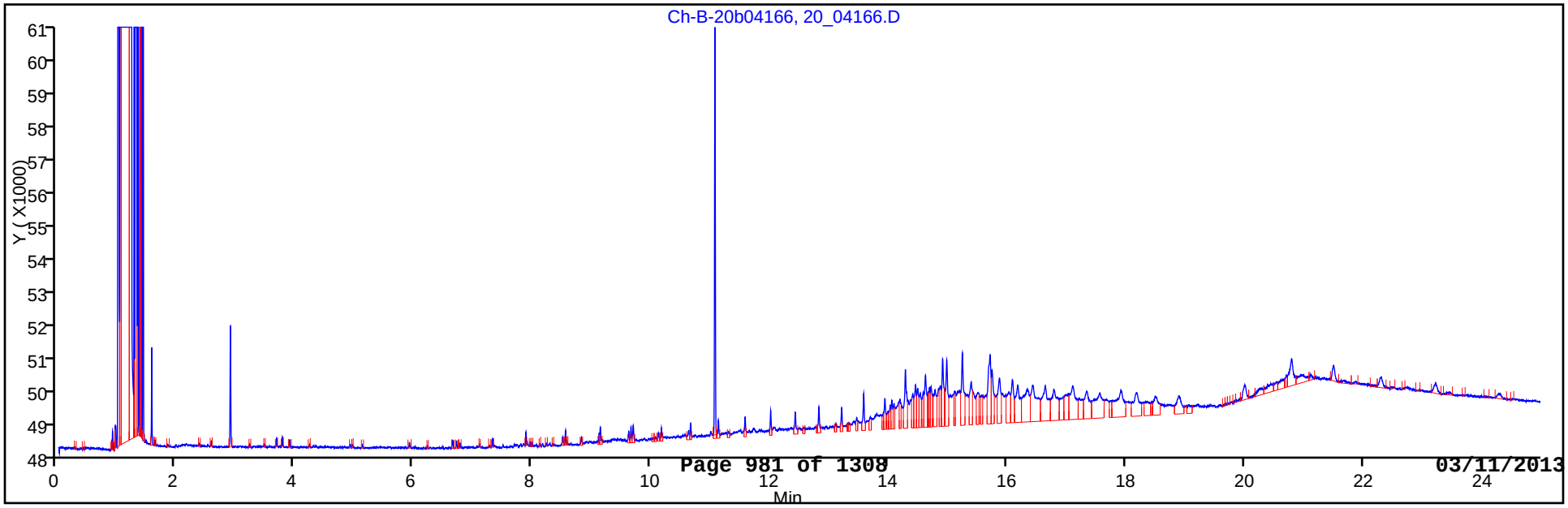
TestAmerica Buffalo

Data File:	\\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\20_04166.D		
Injection Date:	26-Dec-2012 21:00:47	Limit Group:	GC MAEPH ICAL
Client ID:	OC-SB-534-0.0/1.0-XXX	Instrument ID:	HP7890-20
Lims Batch ID:	97357	Lims Sample ID:	26
Operator ID:	tchrom	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



Manual Integration/User Assign Peak Report

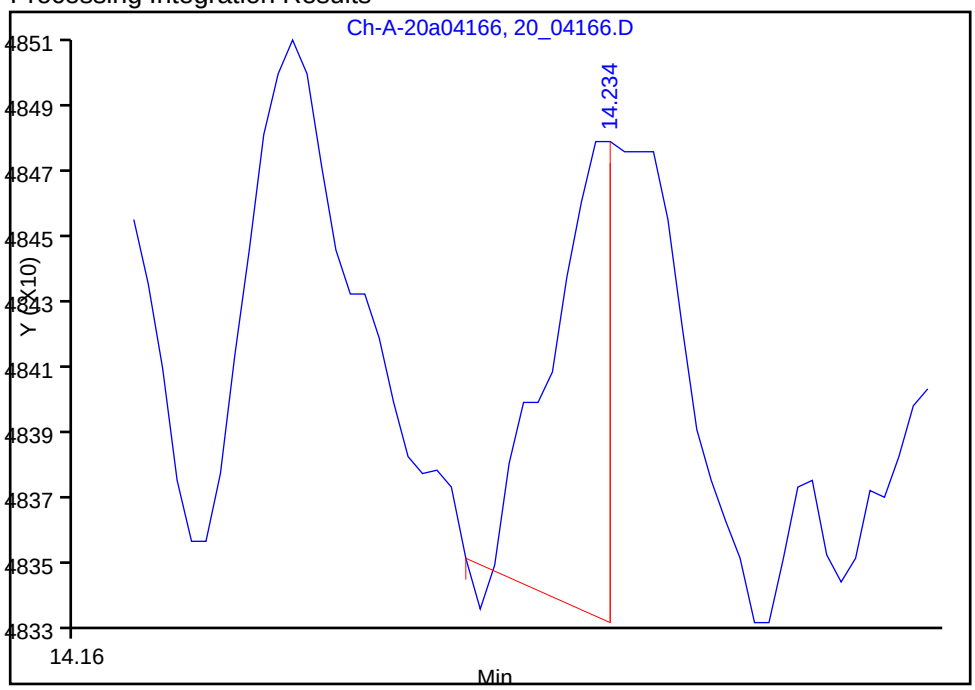
TestAmerica Buffalo

Data File:	\\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\20_04166.D		
Injection Date:	26-Dec-2012 21:00:47	Limit Group:	GC MAEPH ICAL
Client ID:	OC-SB-534-0.0/1.0-XXX	Instrument ID:	HP7890-20
Lims Batch ID:	97357	Lims Sample ID:	26
Operator ID:	tchrom	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

35 Benzo[a]pyrene, Signal: 1, Type: quant, RT: 14.25, Det: Ch-A-20-01-a-020

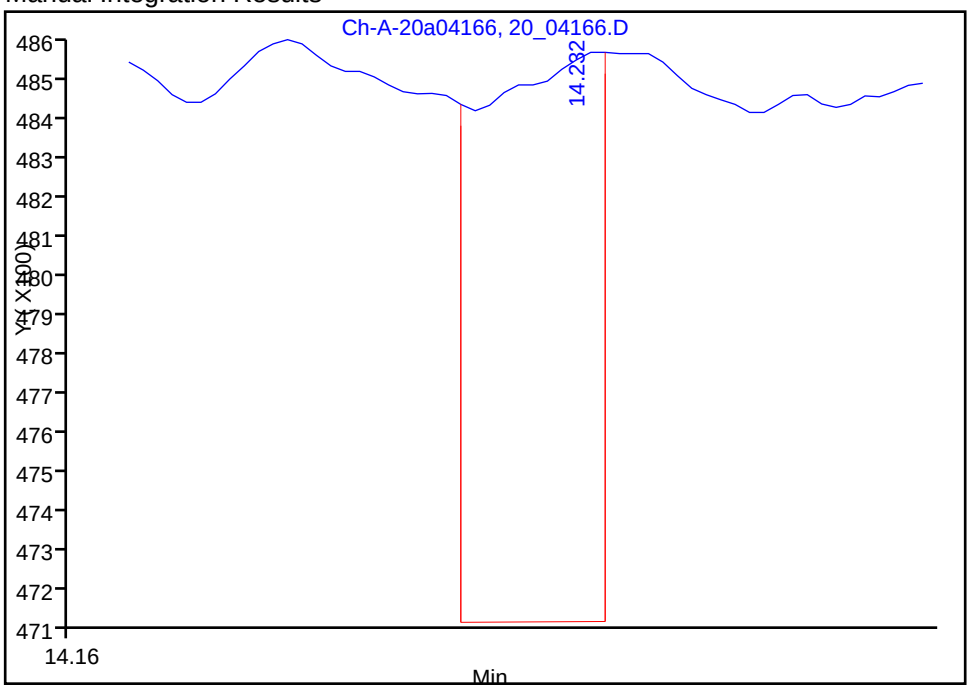
Processing Integration Results

RT: 14.23
Response: 75
Amount: 0.059173



Manual Integration Results

RT: 14.23
Response: 1531
Amount: 1.207917



Reviewer: bescod, 27-Dec-2012 07:19:43
Audit Action: Assigned New Baseline
Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

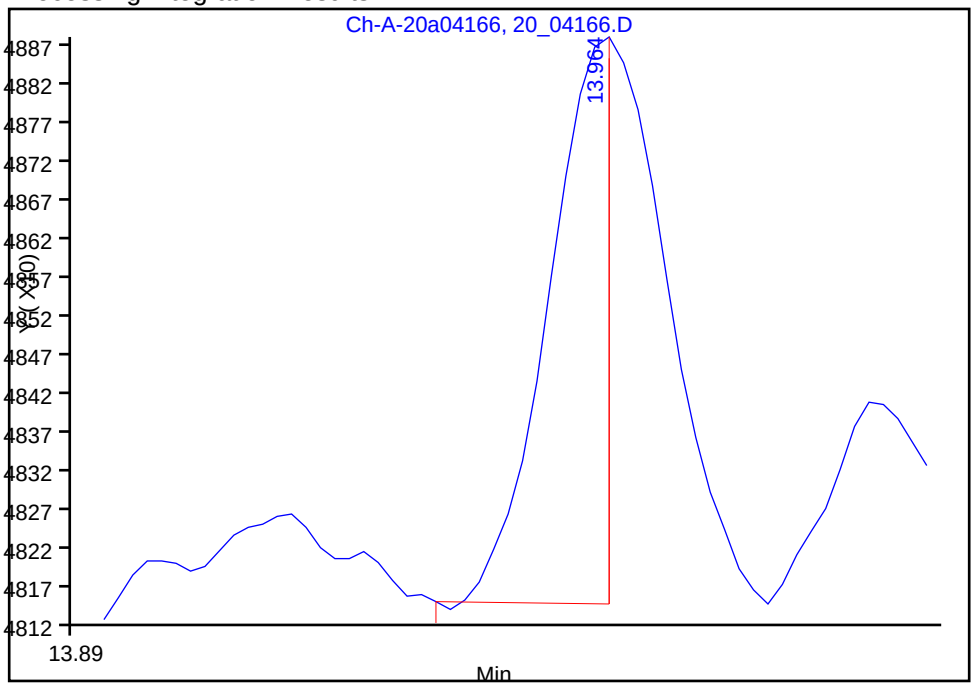
TestAmerica Buffalo

Data File:	\\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\20_04166.D		
Injection Date:	26-Dec-2012 21:00:47	Limit Group:	GC MAEPH ICAL
Client ID:	OC-SB-534-0.0/1.0-XXX	Instrument ID:	HP7890-20
Lims Batch ID:	97357	Lims Sample ID:	26
Operator ID:	tchrom	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

34 Benzo[b]fluoranthene, Signal: 1, Type: quant, RT: 13.95, Det: Ch-A-20-01-a-020

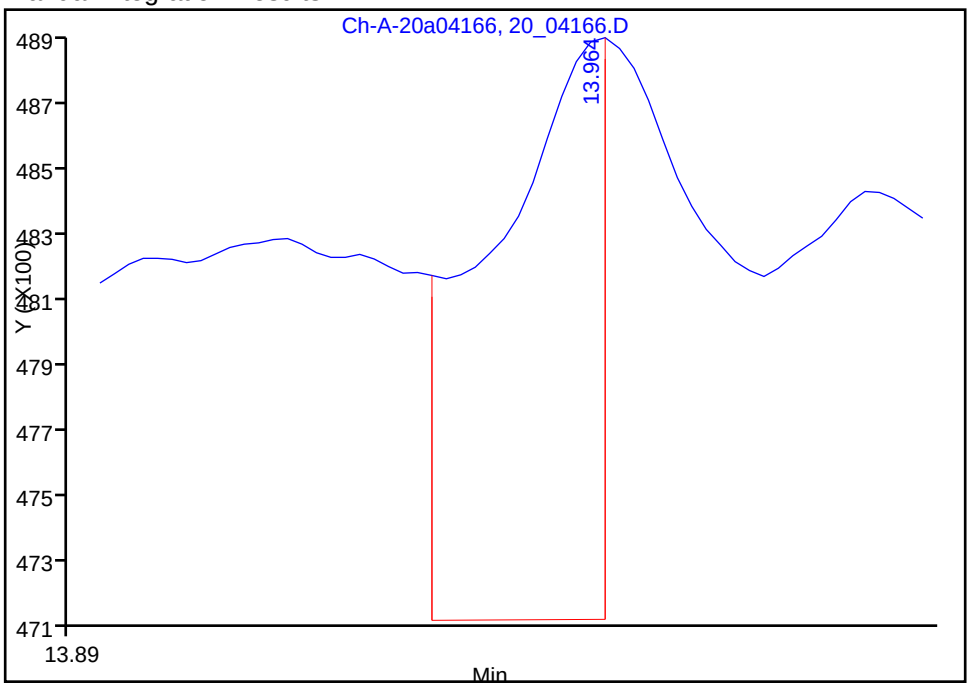
Processing Integration Results

RT: 13.96
Response: 402
Amount: 0.313707



Manual Integration Results

RT: 13.96
Response: 1906
Amount: 1.487375



Reviewer: bescod, 27-Dec-2012 07:19:43
Audit Action: Assigned New Baseline
Audit Reason: Incomplete Integration

Report Date: 27-Dec-2012 07:19:43 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

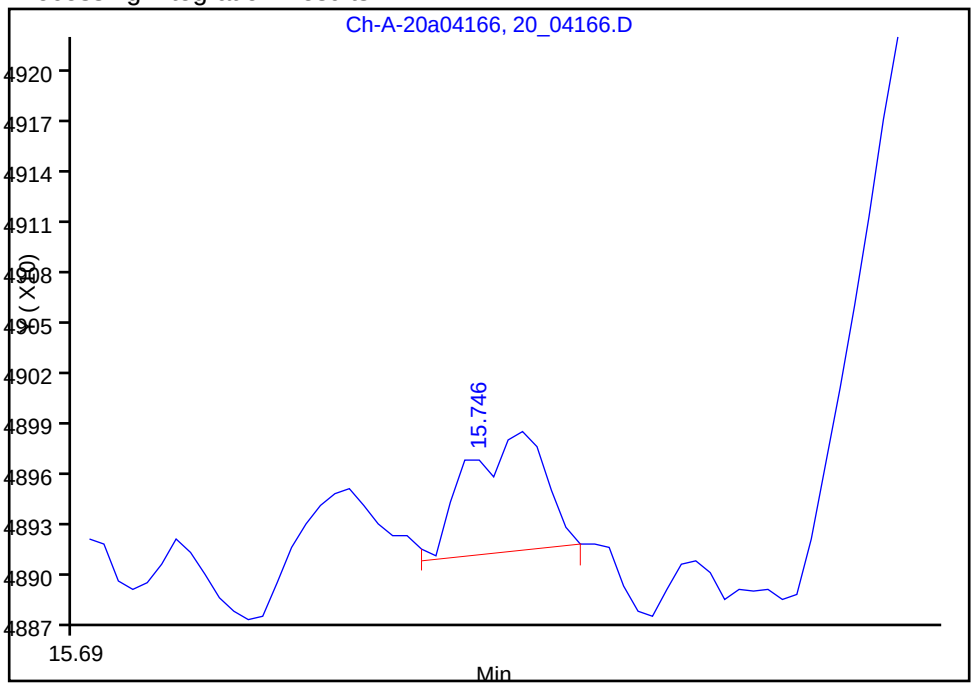
TestAmerica Buffalo

Data File:	\\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\20_04166.D		
Injection Date:	26-Dec-2012 21:00:47	Limit Group:	GC MAEPH ICAL
Client ID:	OC-SB-534-0.0/1.0-XXX	Instrument ID:	HP7890-20
Lims Batch ID:	97357	Lims Sample ID:	26
Operator ID:	tchrom	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

39 Benzo[g,h,i]perylene, Signal: 1, Type: quant, RT: 15.74, Det: Ch-A-20-01-a-020

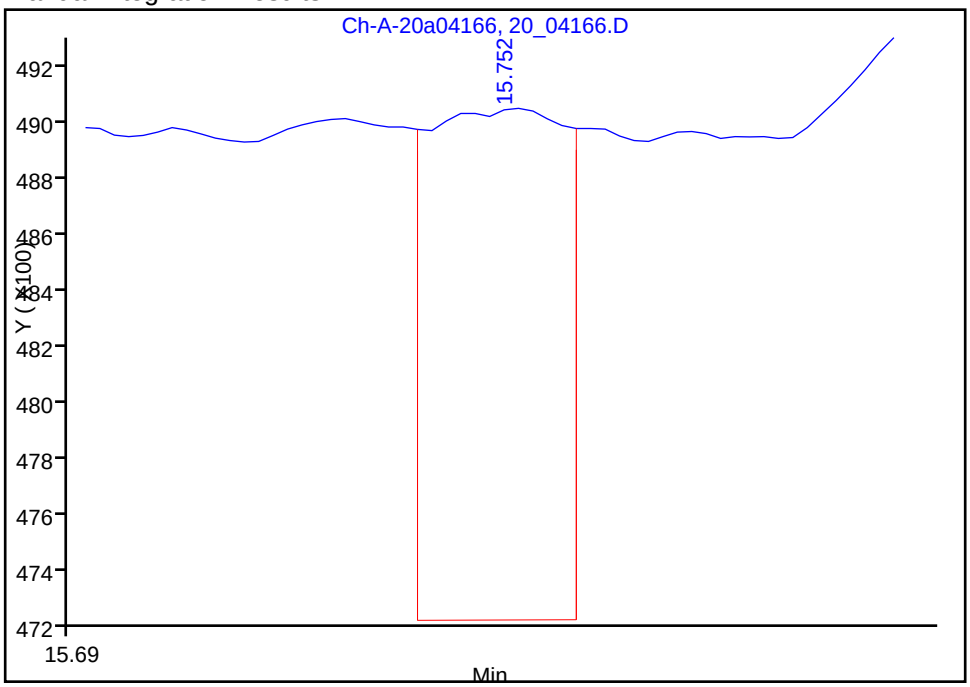
Processing Integration Results

RT: 15.75
Response: 52
Amount: 0.041132



Manual Integration Results

RT: 15.75
Response: 2203
Amount: 1.742592



Reviewer: bescod, 27-Dec-2012 07:19:43
Audit Action: Assigned New Baseline
Audit Reason: Incomplete Integration

Report Date: 27-Dec-2012 07:19:43 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

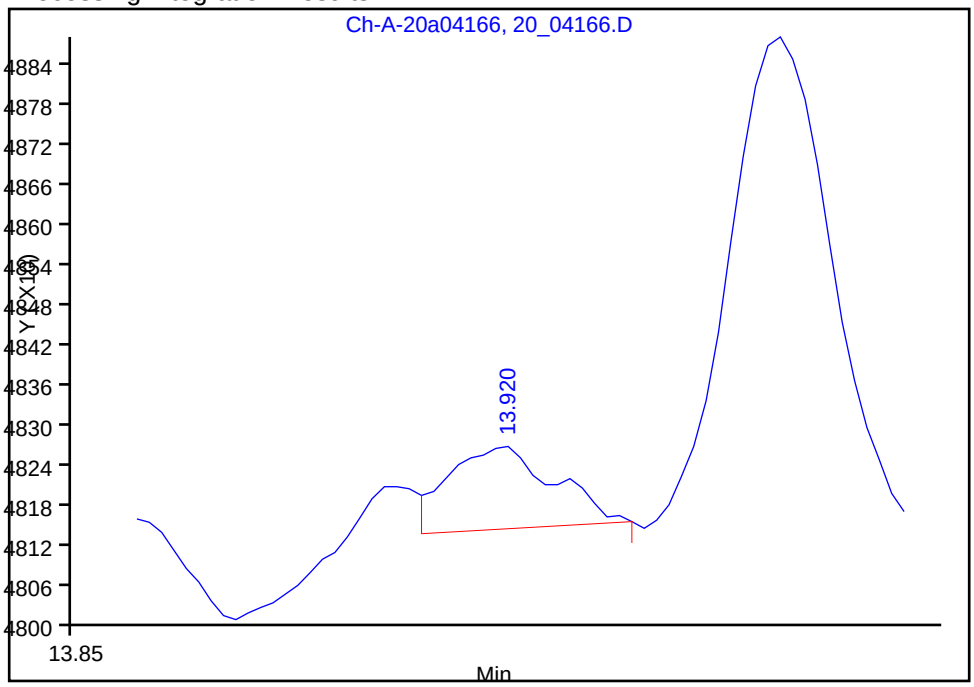
TestAmerica Buffalo

Data File:	\\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\20_04166.D		
Injection Date:	26-Dec-2012 21:00:47	Limit Group:	GC MAEPH ICAL
Client ID:	OC-SB-534-0.0/1.0-XXX	Instrument ID:	HP7890-20
Lims Batch ID:	97357	Lims Sample ID:	26
Operator ID:	tchrom	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

32 Benzo[k]fluoranthene, Signal: 1, Type: quant, RT: 13.92, Det: Ch-A-20-01-a-020

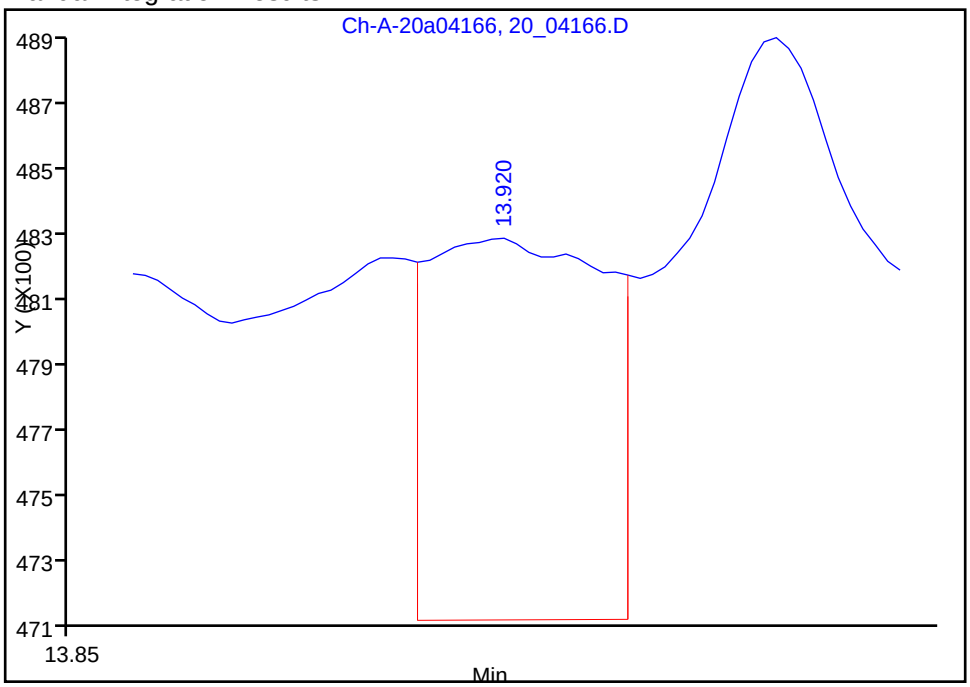
Processing Integration Results

RT: 13.92
Response: 145
Amount: 0.112782



Manual Integration Results

RT: 13.92
Response: 2266
Amount: 1.762515



Reviewer: bescod, 27-Dec-2012 07:19:43
Audit Action: Assigned New Baseline
Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

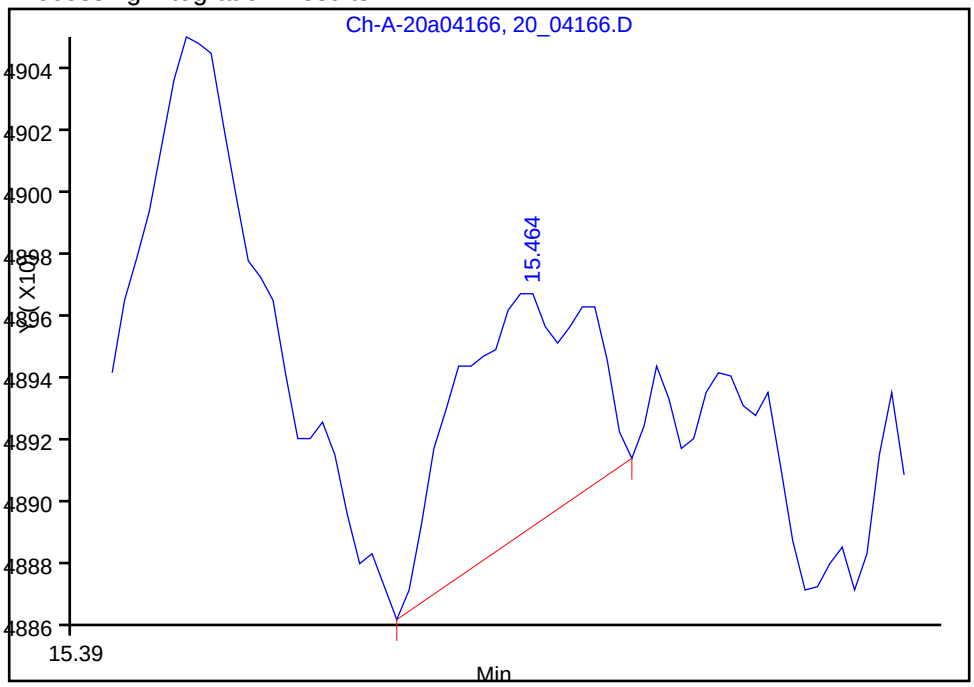
TestAmerica Buffalo

Data File:	\\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\20_04166.D		
Injection Date:	26-Dec-2012 21:00:47	Limit Group:	GC MAEPH ICAL
Client ID:	OC-SB-534-0.0/1.0-XXX	Instrument ID:	HP7890-20
Lims Batch ID:	97357	Lims Sample ID:	26
Operator ID:	tchrom	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

38 Dibenz(a,h)anthracene, Signal: 1, Type: quant, RT: 15.47, Det: Ch-A-20-01-a-020

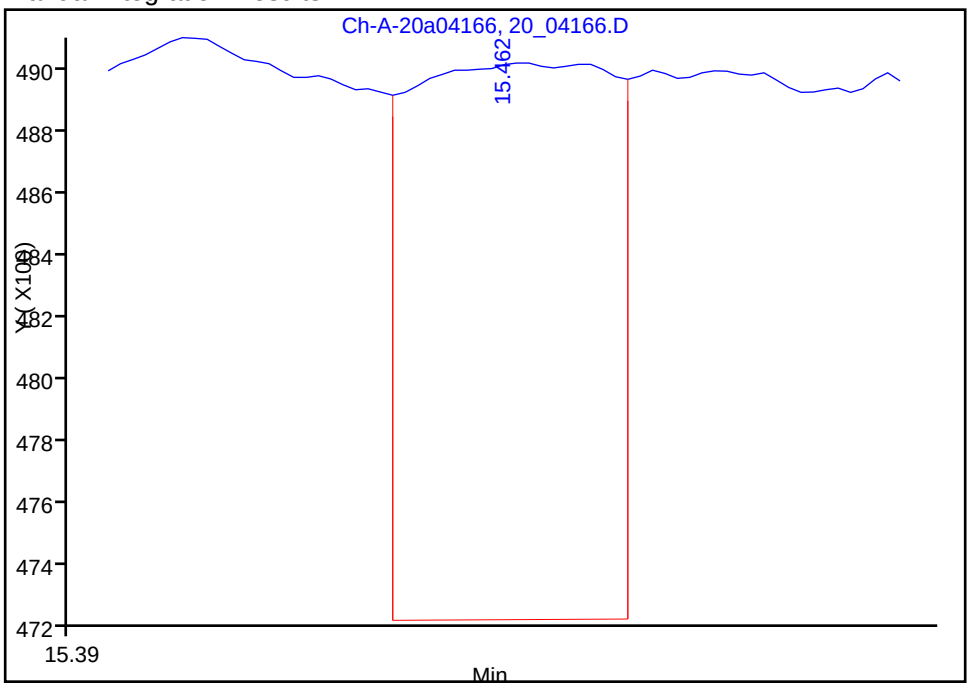
Processing Integration Results

RT: 15.46
Response: 109
Amount: 0.087518



Manual Integration Results

RT: 15.46
Response: 3838
Amount: 3.081599



Reviewer: bescod, 27-Dec-2012 07:19:43
Audit Action: Assigned New Baseline
Audit Reason: Incomplete Integration

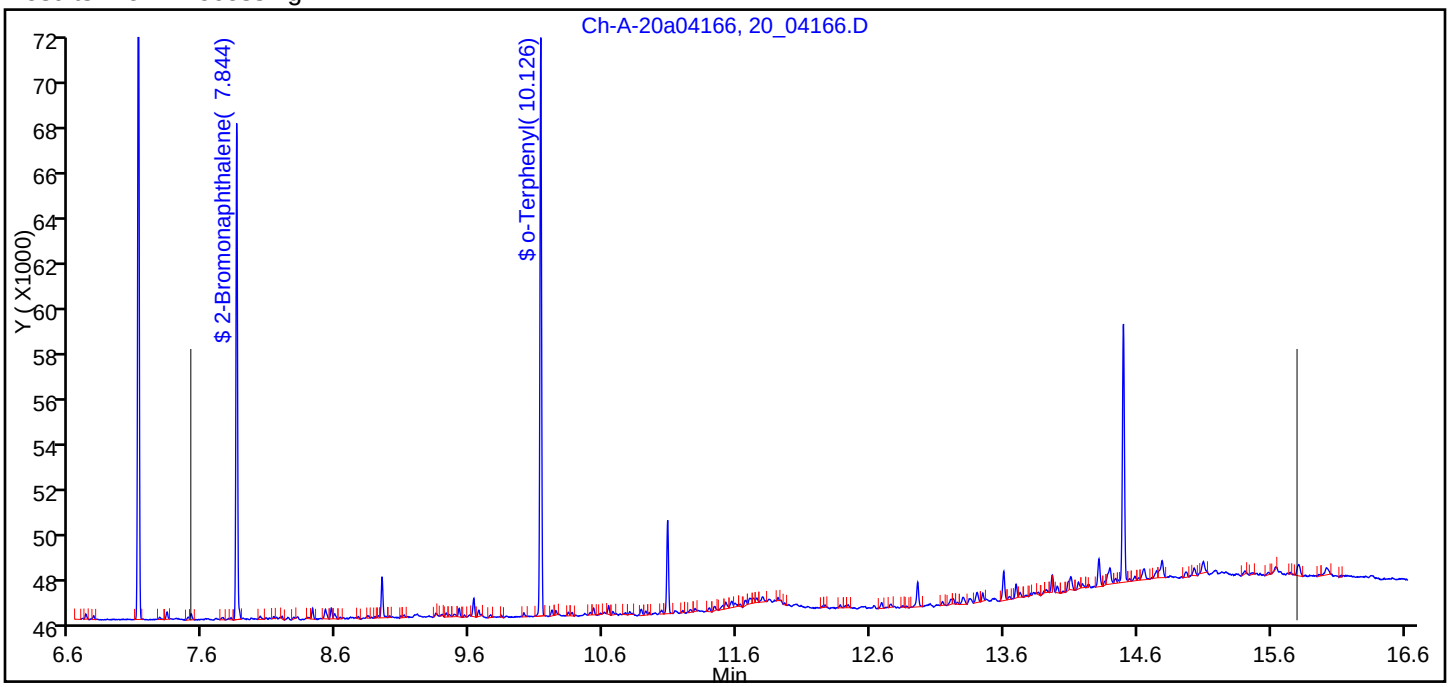
User Disabled Compound Report

TestAmerica Buffalo

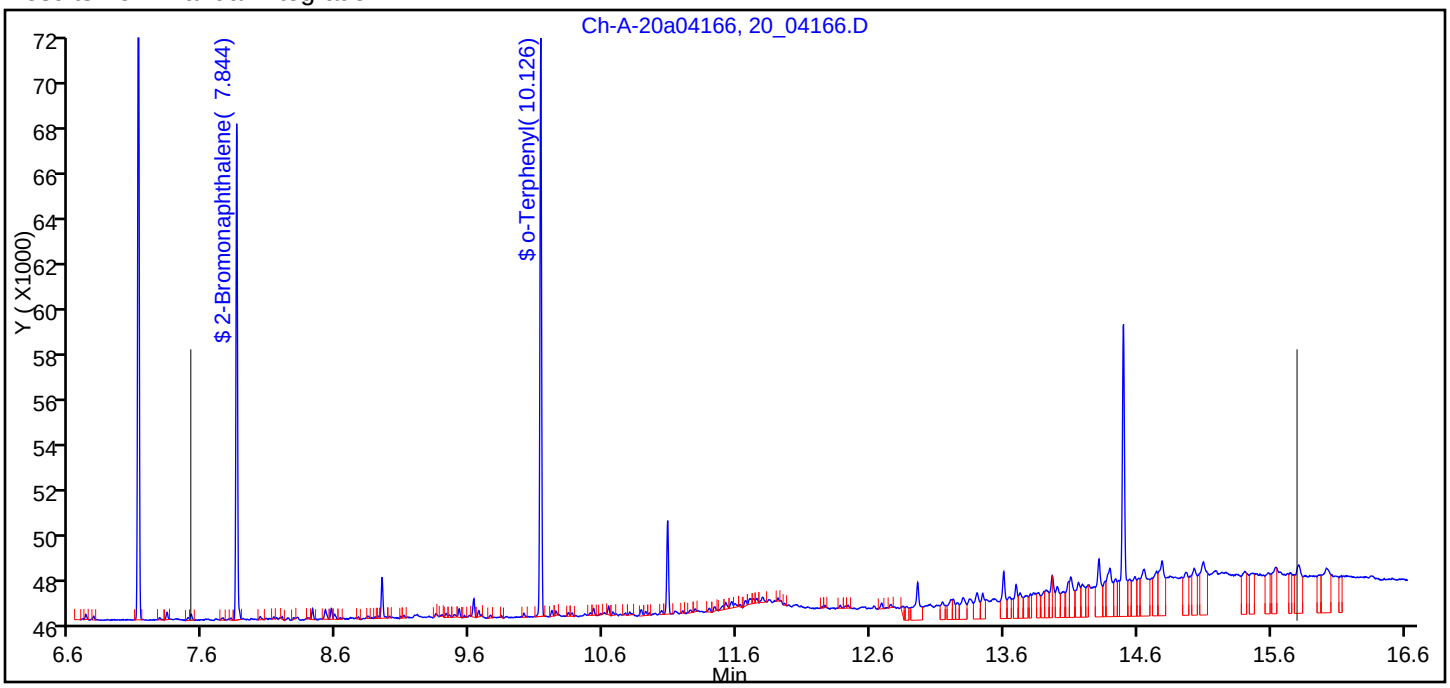
Data File:	\\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\20_04166.D		
Injection Date:	26-Dec-2012 21:00:47	Limit Group:	GC MAEPH ICAL
Client ID:	OC-SB-534-0.0/1.0-XXX	Instrument ID:	HP7890-20
Lims Batch ID:	97357	Lims Sample ID:	26
Operator ID:	tchrom	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

A 5 C11-C22 Aromatics, Signal: 1, Type: quant, RT: 11.65, Det: Ch-A-20-01-a-020

Results From Processing



Results from Manual Integration



Reviewer: bescod, 27-Dec-2012 07:19:43
Audit Action: Assigned New Baseline
Audit Reason: Incomplete Integration

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo
Job No.: 480-30197-1
SDG No.:
Client Sample ID: OC-SB-534-0.0/1.0-XXX
Lab Sample ID: 480-30197-19
Matrix: Solid
Lab File ID: 20_04166.D
Analysis Method: MA-EPH
Date Collected: 12/13/2012 15:05
Extraction Method: MA EPH Frac
Date Extracted: 12/19/2012 08:06
Sample wt/vol: 000010.1(g)
Date Analyzed: 12/26/2012 21:00
Con. Extract Vol.: 2(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: ZB-5 ID: 0.53(mm)
% Moisture: 6.6
GPC Cleanup:(Y/N) N
Analysis Batch No.: 97357
Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00087	C19-C36 Aliphatics	23		11	11
STL00306	C9-C18 Aliphatics	ND		11	11

CAS NO.	SURROGATE	%REC	Q	LIMITS
3386-33-2	1-Chlorooctadecane	59		40-140

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\20_04166.D
Lims ID: 480-30197-A-19-D Client ID: OC-SB-534-0.0/1.0-XXX
Inject. Date: 26-Dec-2012 21:00:47 Dil. Factor: 1.0000
Sample Type: Client
Sample ID:
Misc. Info.:
Operator: tchrom Instrument ID: HP7890-20
Injection Vol: 1.0 ul ALS Bottle#: 0
Lims Batch ID: 97357 Lims Sample ID: 26
Detector 1 : Ch-A-20-01-a-020
Detector 2 : Ch-B-20-01-b-020

Method: \\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\7890-EPH.m
Last Update: 27-Dec-2012 07:19:43 Calib Date: 17-Oct-2012 19:37:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\BUFCHROM\ChromData\HP7890-20\20121017-15821.b\20-02-_-038.D
Limit Group: GC MAEPH ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK012

First Level Reviewer: bescod Date: 27-Dec-2012 07:19:43

Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
A 4 C9-C18 Aliphatics						M
2	6.400	3.000 -	9.800	6110	5.16	M
10 2-Methylnaphthalene						
1	6.650	6.640	0.010	278	0.2444	
$ 11 2-Fluorobiphenyl						
1	7.108	7.106	0.002	24177	23.7	
$ 14 2-Bromonaphthalene						
1	7.844	7.844	0.000	17151	23.5	
16 Fluorene						
1	8.510	8.506	0.004	472	0.3877	
18 Phenanthrene						
1	9.624	9.624	0.000	723	0.5781	
$ 21 o-Terphenyl						
1	10.126	10.128	-0.002	20783	16.8	
24 Fluoranthene						
1	11.034	11.030	0.004	172	0.1321	
$ 25 1-Chlorooctadecane						M
2	11.076	11.076	0.000	10156	11.8	M
26 Pyrene						
1	11.284	11.284	0.000	108	0.0826	
A 5 C11-C22 Aromatics						M
1	11.650	7.500 -	15.800	167690	145.2	M
30 Chrysene						
1	12.754	12.766	-0.012	140	0.1144	
A 3 C19-C36 Aliphatics						M
2	13.300	8.500 -	18.100	160437	110.8	M

Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
32 Benzo[k]fluoranthene						M
1	13.920	13.920	-0.004	2266	1.76	M
34 Benzo[b]fluoranthene						M
1	13.964	13.964	0.010	1906	1.49	M
35 Benzo[a]pyrene						M
1	14.232	14.232	-0.016	1531	1.21	M
38 Dibenz(a,h)anthracene						M
1	15.462	15.462	-0.008	3838	3.08	M
39 Benzo[g,h,i]perylene						M
1	15.752	15.752	0.012	2203	1.74	M

QC Flag Legend

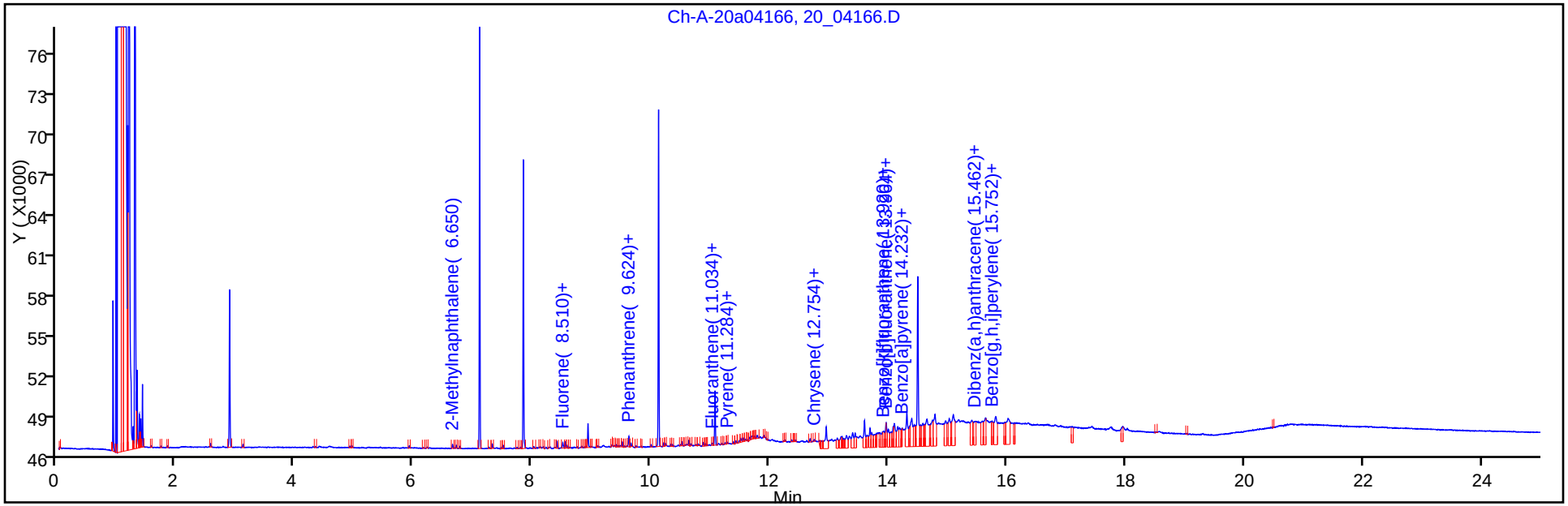
Review Flags
M - Manually Integrated

Report Date: 27-Dec-2012 07:19:43 Chrom Revision: 2.0 22-Oct-2012 16:30:48

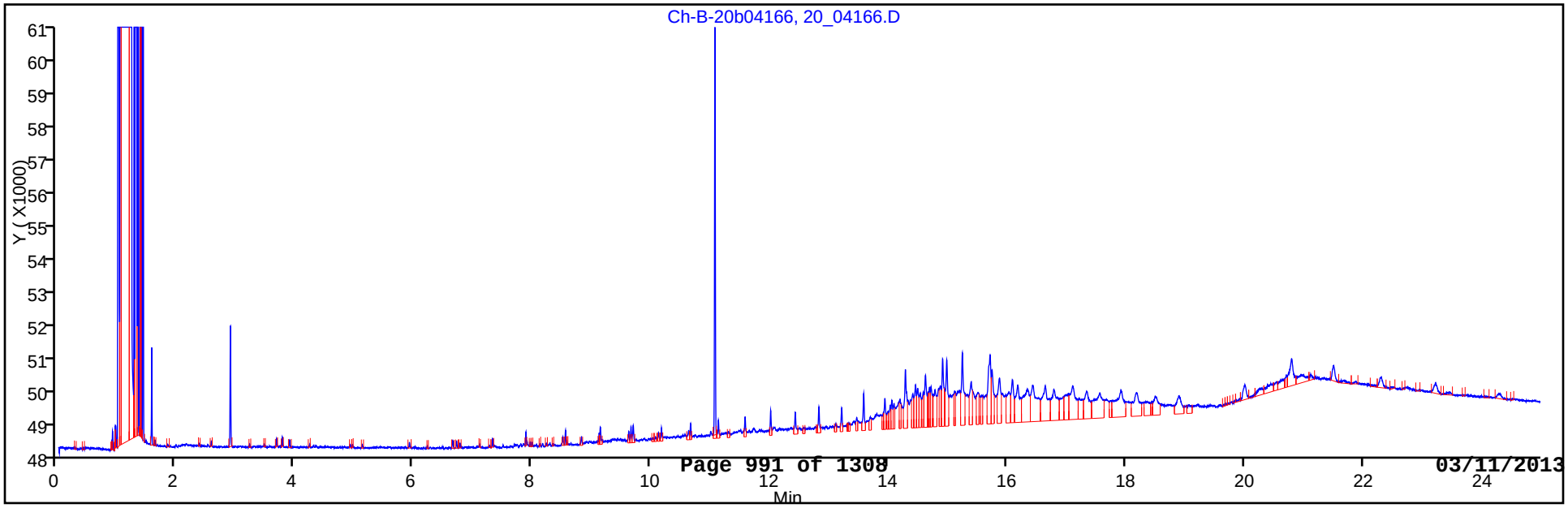
TestAmerica Buffalo

Data File:	\\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\20_04166.D		
Injection Date:	26-Dec-2012 21:00:47	Limit Group:	GC MAEPH ICAL
Client ID:	OC-SB-534-0.0/1.0-XXX	Instrument ID:	HP7890-20
Lims Batch ID:	97357	Lims Sample ID:	26
Operator ID:	tchrom	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



Manual Integration/User Assign Peak Report

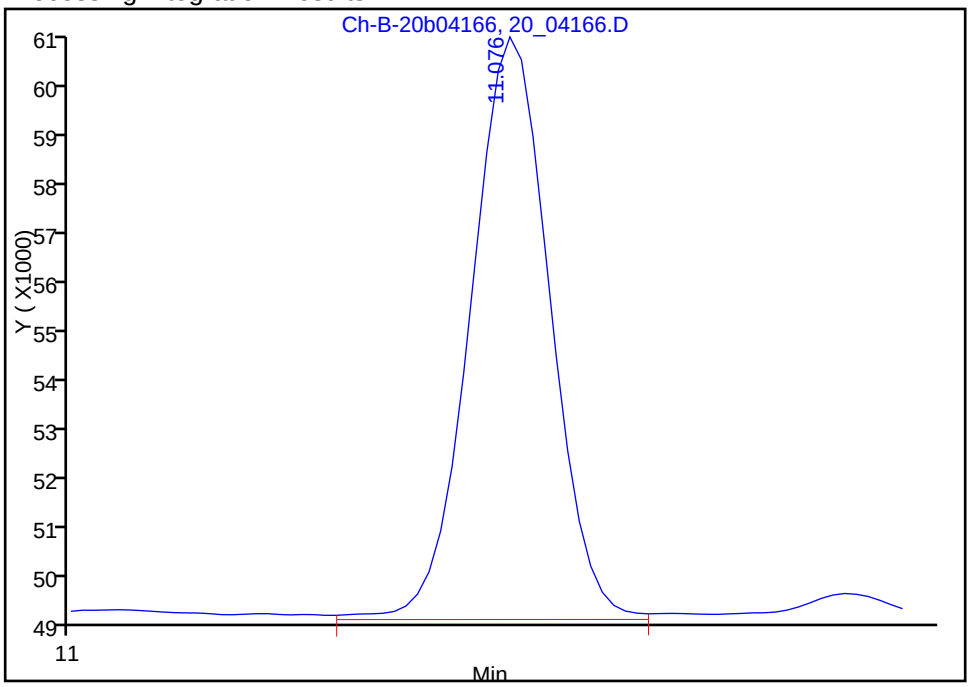
TestAmerica Buffalo

Data File:	\\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\20_04166.D		
Injection Date:	26-Dec-2012 21:00:47	Limit Group:	GC MAEPH ICAL
Client ID:	OC-SB-534-0.0/1.0-XXX	Instrument ID:	HP7890-20
Lims Batch ID:	97357	Lims Sample ID:	26
Operator ID:	tchrom	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

$ 25 1-Chlorooctadecane, Signal: 1, Type: quant, RT: 11.08, Det: Ch-B-20-01-b-020

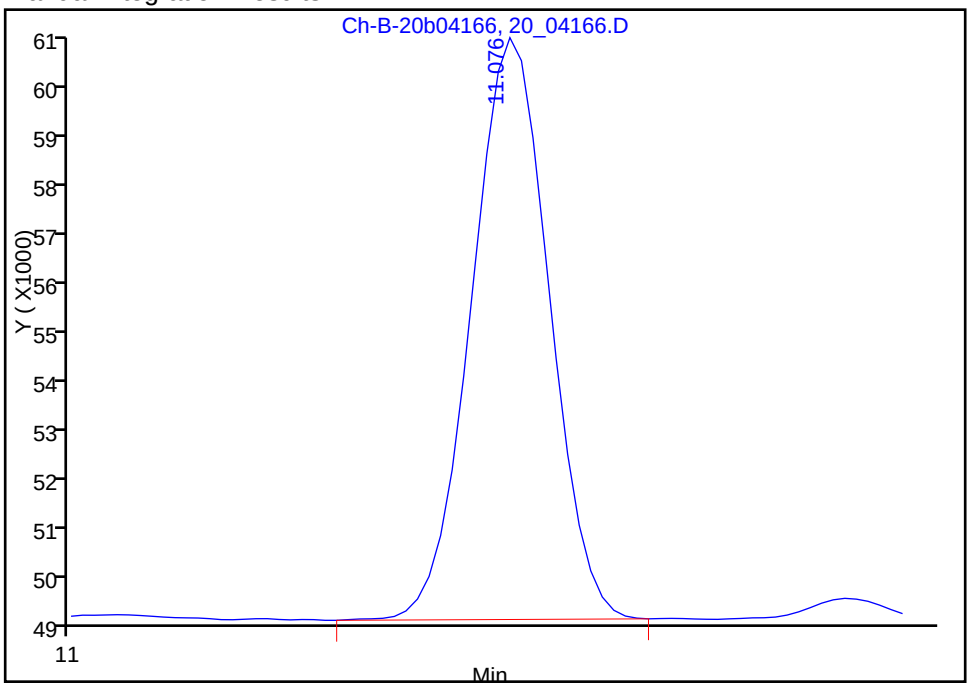
Processing Integration Results

RT: 11.08
Response: 10156
Amount: 11.802499



Manual Integration Results

RT: 11.08
Response: 10156
Amount: 11.802499



Reviewer: bescod, 27-Dec-2012 07:19:43
Audit Action: Assigned New Baseline
Audit Reason: Incomplete Integration

Report Date: 27-Dec-2012 07:19:43 Chrom Revision: 2.0 22-Oct-2012 16:30:48

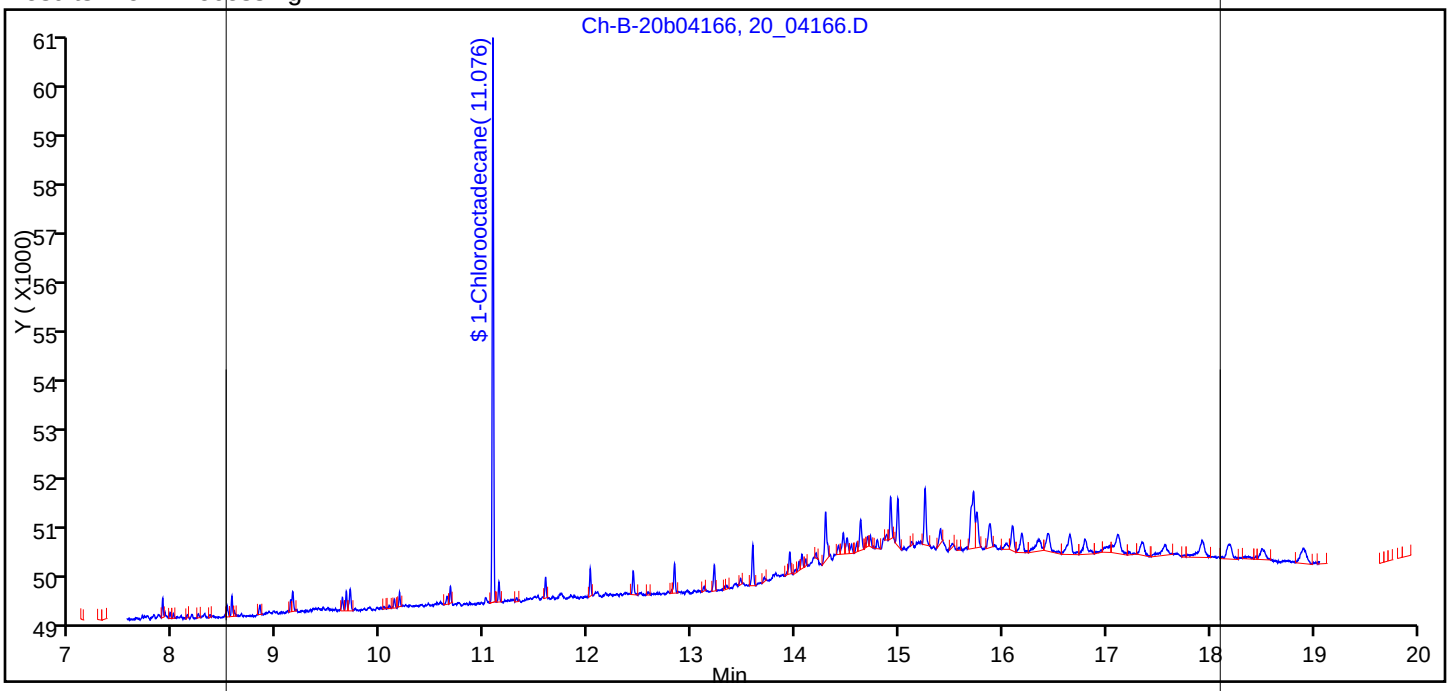
User Disabled Compound Report

TestAmerica Buffalo

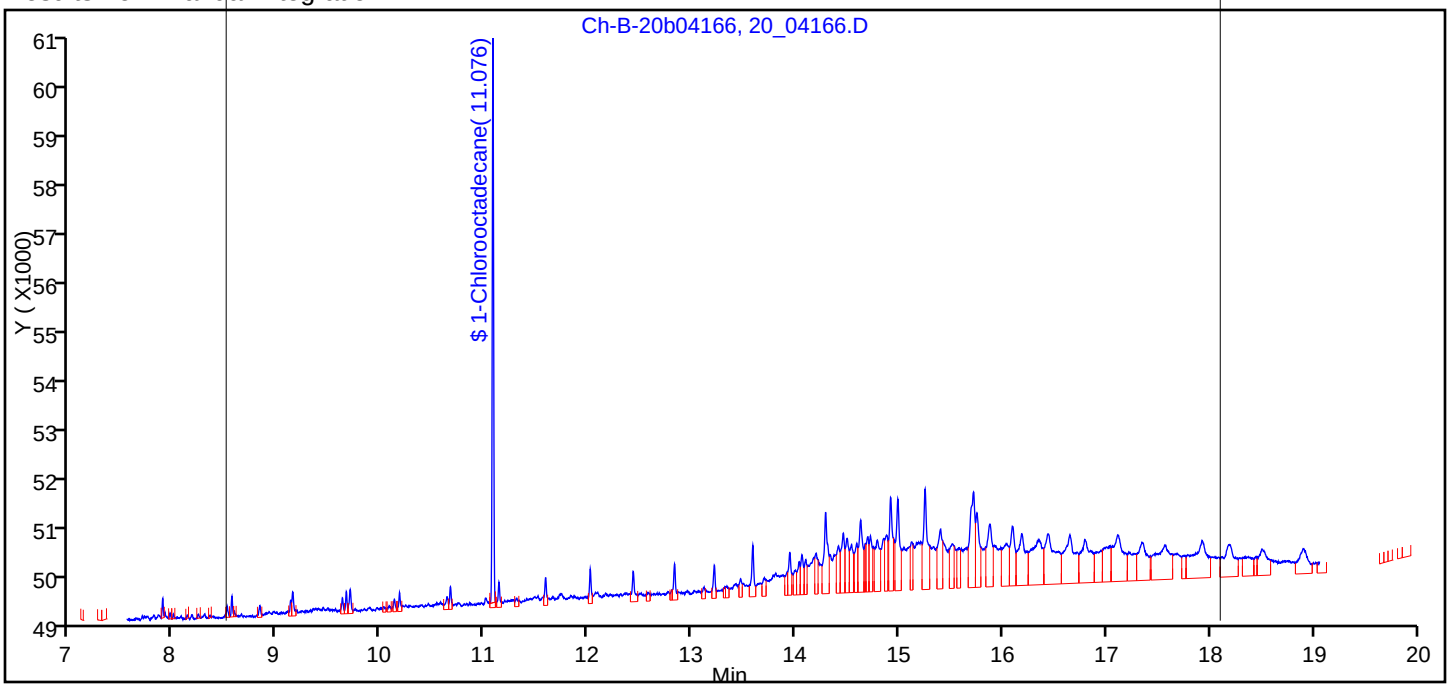
Data File:	\\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\20_04166.D		
Injection Date:	26-Dec-2012 21:00:47	Limit Group:	GC MAEPH ICAL
Client ID:	OC-SB-534-0.0/1.0-XXX	Instrument ID:	HP7890-20
Lims Batch ID:	97357	Lims Sample ID:	26
Operator ID:	tchrom	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

A 3 C19-C36 Aliphatics, Signal: 1, Type: quant, RT: 13.30, Det: Ch-B-20-01-b-020

Results From Processing



Results from Manual Integration



Reviewer: bescod, 27-Dec-2012 07:19:43

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Report Date: 27-Dec-2012 07:19:43 Chrom Revision: 2.0 22-Oct-2012 16:30:48

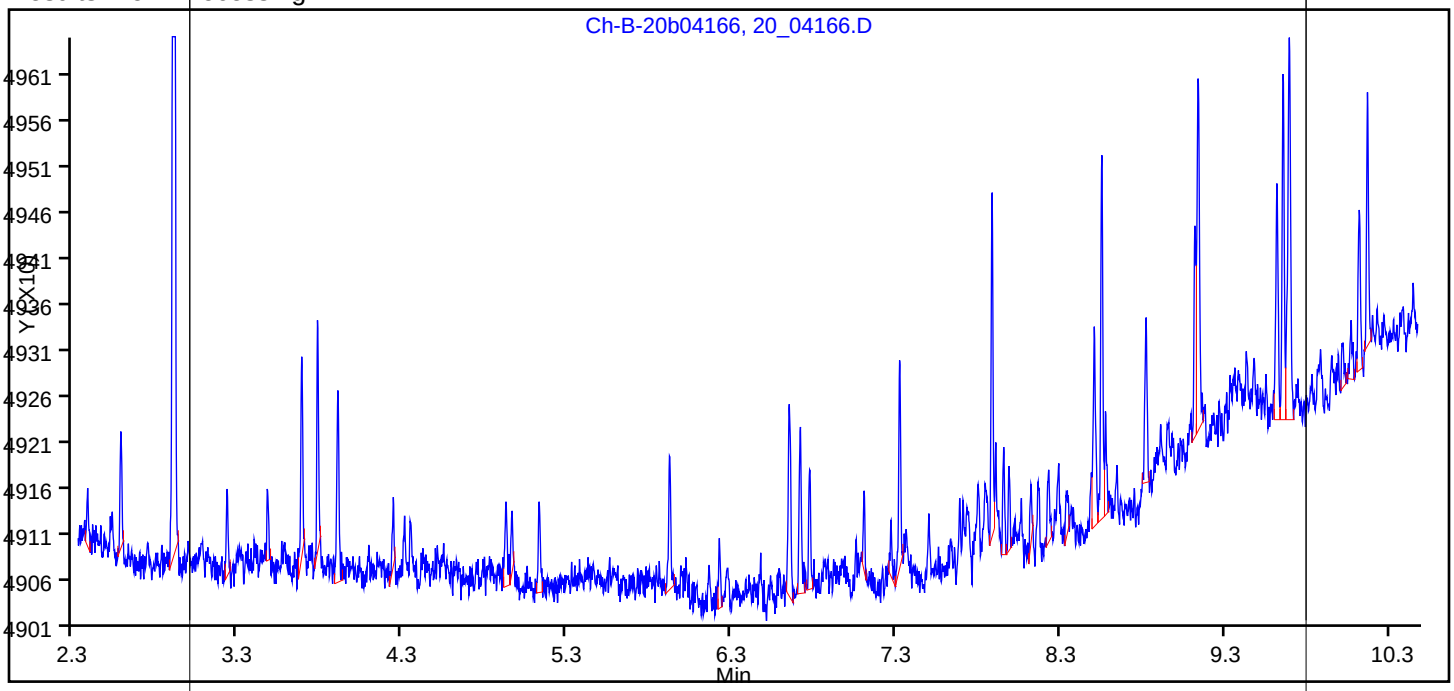
User Disabled Compound Report

TestAmerica Buffalo

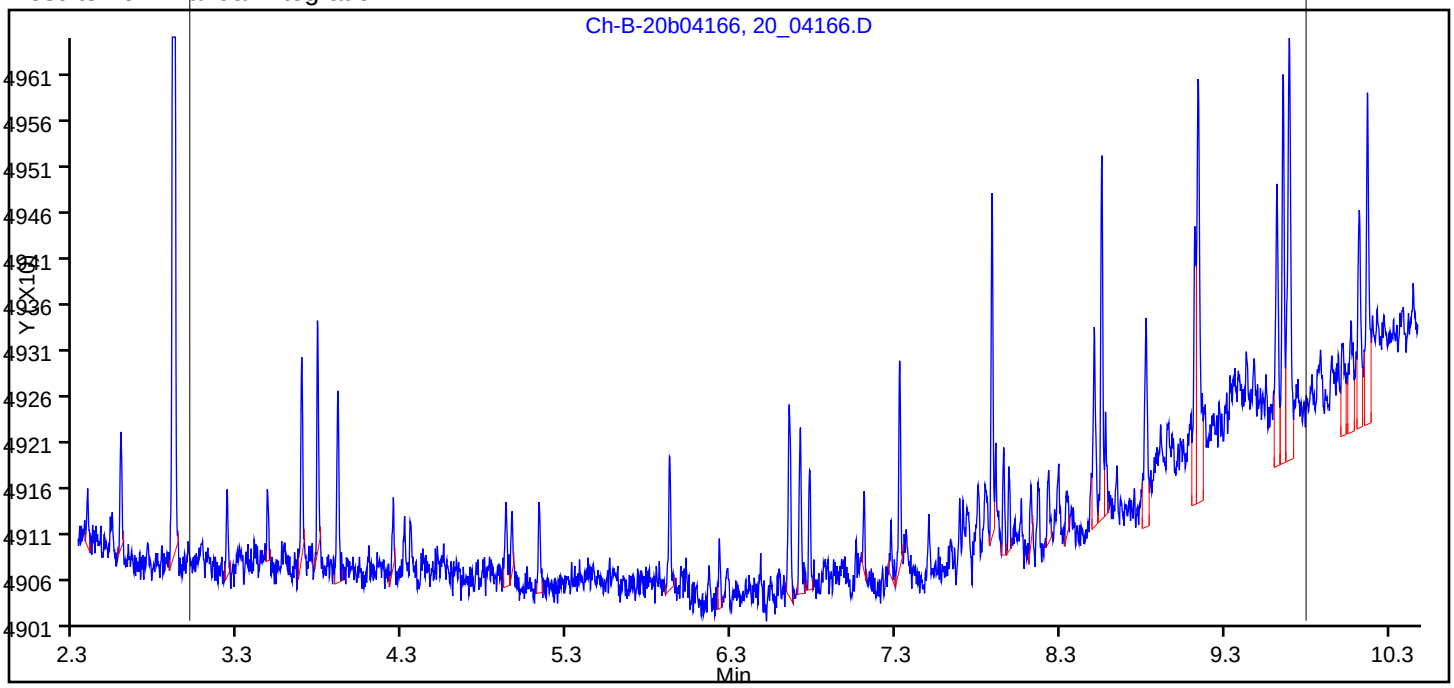
Data File:	\\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\20_04166.D		
Injection Date:	26-Dec-2012 21:00:47	Limit Group:	GC MAEPH ICAL
Client ID:	OC-SB-534-0.0/1.0-XXX	Instrument ID:	HP7890-20
Lims Batch ID:	97357	Lims Sample ID:	26
Operator ID:	tchrom	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

A 4 C9-C18 Aliphatics, Signal: 1, Type: quant, RT: 6.40, Det: Ch-B-20-01-b-020

Results From Processing



Results from Manual Integration



Reviewer: bescod, 27-Dec-2012 07:19:43

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30197-1

SDG No.:

Client Sample ID: OC-SB-534-7.0/9.0-XXX | Lab Sample ID: 480-30197-20

Matrix: Solid | Lab File ID: 20_04167.D

Analysis Method: MA-EPH | Date Collected: 12/13/2012 15:10

Extraction Method: MA EPH Frac | Date Extracted: 12/19/2012 08:06

Sample wt/vol: 000010.4(g) | Date Analyzed: 12/26/2012 21:30

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-5 ID: 0.53(mm)

% Moisture: 7.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 97357 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
91-57-6	2-Methylnaphthalene	ND		1.0	1.0
83-32-9	Acenaphthene	ND		1.0	1.0
208-96-8	Acenaphthylene	ND		1.0	1.0
120-12-7	Anthracene	ND		1.0	1.0
56-55-3	Benzo[a]anthracene	ND		1.0	1.0
50-32-8	Benzo[a]pyrene	ND		1.0	1.0
205-99-2	Benzo[b]fluoranthene	ND		1.0	1.0
191-24-2	Benzo[g,h,i]perylene	ND		1.0	1.0
207-08-9	Benzo[k]fluoranthene	ND		1.0	1.0
218-01-9	Chrysene	ND		1.0	1.0
53-70-3	Dibenz(a,h)anthracene	ND		1.0	1.0
206-44-0	Fluoranthene	ND		1.0	1.0
86-73-7	Fluorene	ND		1.0	1.0
193-39-5	Indeno[1,2,3-cd]pyrene	ND		1.0	1.0
91-20-3	Naphthalene	ND		1.0	1.0
85-01-8	Phenanthrene	ND		1.0	1.0
129-00-0	Pyrene	ND		1.0	1.0
STL00058	C11-C22 Aromatics	ND		10	10

CAS NO.	SURROGATE	%REC	Q	LIMITS
580-13-2	2-Bromonaphthalene	119		40-140
321-60-8	2-Fluorobiphenyl	121		40-140
84-15-1	o-Terphenyl	87		40-140

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\20_04167.D		
Lims ID:	480-30197-A-20-D	Client ID:	OC-SB-534-7.0/9.0-XXX
Inject. Date:	26-Dec-2012 21:30:07	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:			
Misc. Info.:			
Operator:	tchrom	Instrument ID:	HP7890-20
Injection Vol:	1.0 ul	ALS Bottle#:	0
Lims Batch ID:	97357	Lims Sample ID:	27
Detector 1 :	Ch-A-20-01-a-020		
Detector 2 :	Ch-B-20-01-b-020		

Method:	\\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\7890-EPH.m		
Last Update:	27-Dec-2012 07:19:55	Calib Date:	17-Oct-2012 19:37:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\BUFCHROM\ChromData\HP7890-20\20121017-15821.b\20-02-_-038.D		
Limit Group:	GC MAEPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK012		

First Level Reviewer: bescod Date: 27-Dec-2012 07:19:55

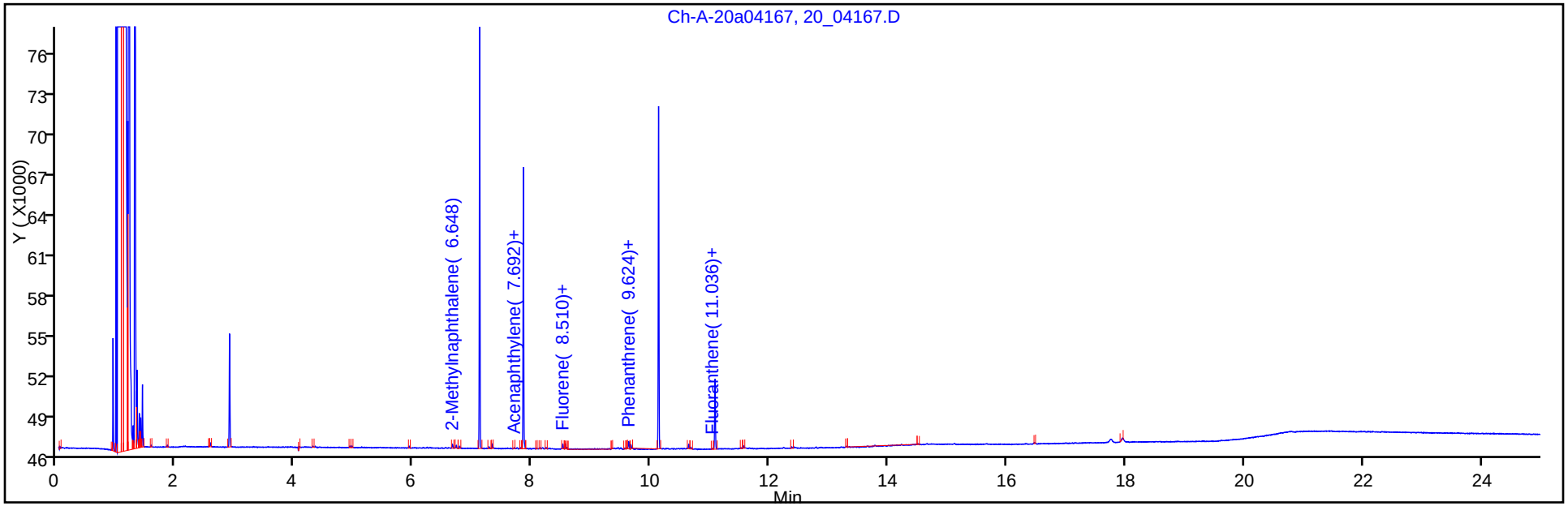
Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
A 4 C9-C18 Aliphatics						
2	6.400	3.000 -	9.800	2655	2.24	
10 2-Methylnaphthalene						
1	6.648	6.640	0.008	316	0.2778	
$ 11 2-Fluorobiphenyl						
1	7.108	7.106	0.002	24574	24.1	
13 Acenaphthylene						
1	7.692	7.680	0.012	50	0.0422	
$ 14 2-Bromonaphthalene						
1	7.844	7.844	0.000	17327	23.8	
16 Fluorene						
1	8.510	8.506	0.004	328	0.2695	
18 Phenanthrene						
1	9.624	9.624	0.000	562	0.4494	
$ 21 o-Terphenyl						
1	10.126	10.128	-0.002	21592	17.4	
24 Fluoranthene						
1	11.036	11.030	0.006	89	0.0684	
$ 25 1-Chlorooctadecane						
2	11.076	11.076	0.000	10349	12.0	
A 5 C11-C22 Aromatics						
1	11.650	7.500 -	15.800	11060	9.57	
A 3 C19-C36 Aliphatics						
2	13.300	8.500 -	18.100	13400	9.25	

Report Date: 27-Dec-2012 07:19:55 Chrom Revision: 2.0 22-Oct-2012 16:30:48

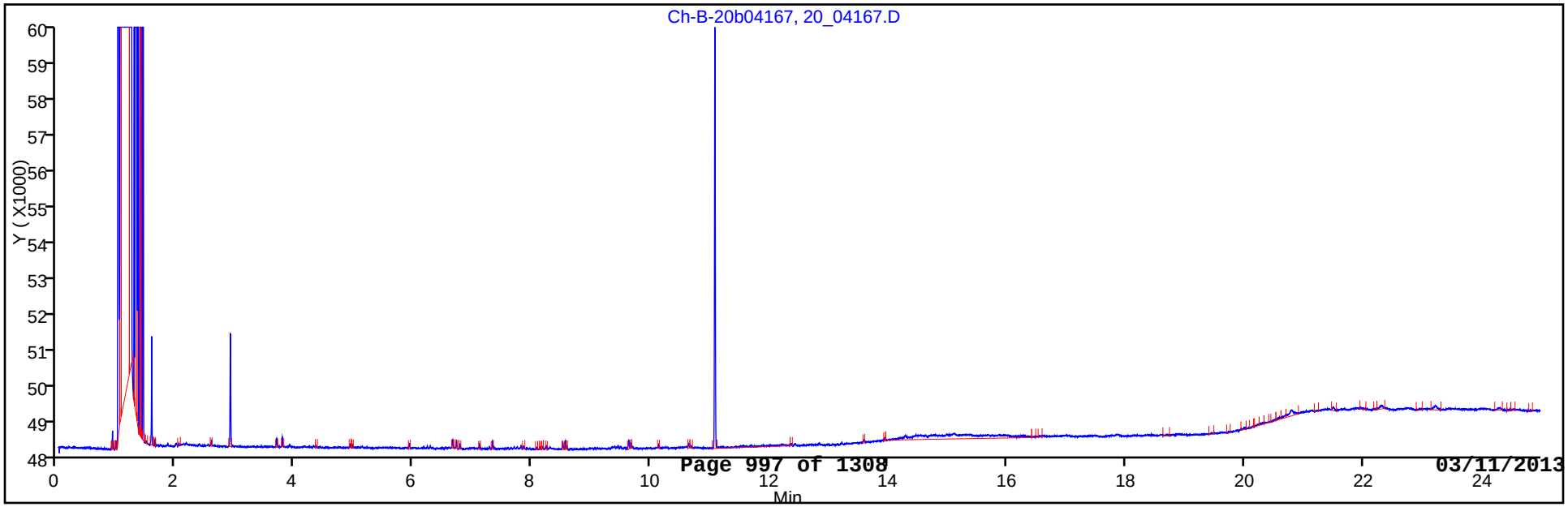
TestAmerica Buffalo

Data File:	\\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\20_04167.D		
Injection Date:	26-Dec-2012 21:30:07	Limit Group:	GC MAEPH ICAL
Client ID:	OC-SB-534-7.0/9.0-XXX	Instrument ID:	HP7890-20
Lims Batch ID:	97357	Lims Sample ID:	27
Operator ID:	tchrom	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo
Job No.: 480-30197-1
SDG No.:
Client Sample ID: OC-SB-534-7.0/9.0-XXX
Lab Sample ID: 480-30197-20
Matrix: Solid
Lab File ID: 20_04167.D
Analysis Method: MA-EPH
Date Collected: 12/13/2012 15:10
Extraction Method: MA EPH Frac
Date Extracted: 12/19/2012 08:06
Sample wt/vol: 000010.4(g)
Date Analyzed: 12/26/2012 21:30
Con. Extract Vol.: 2(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: ZB-5 ID: 0.53(mm)
% Moisture: 7.8
GPC Cleanup:(Y/N) N
Analysis Batch No.: 97357
Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00087	C19-C36 Aliphatics	ND		10	10
STL00306	C9-C18 Aliphatics	ND		10	10

CAS NO.	SURROGATE	%REC	Q	LIMITS
3386-33-2	1-Chlorooctadecane	60		40-140

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\20_04167.D		
Lims ID:	480-30197-A-20-D	Client ID:	OC-SB-534-7.0/9.0-XXX
Inject. Date:	26-Dec-2012 21:30:07	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:			
Misc. Info.:			
Operator:	tchrom	Instrument ID:	HP7890-20
Injection Vol:	1.0 ul	ALS Bottle#:	0
Lims Batch ID:	97357	Lims Sample ID:	27
Detector 1 :	Ch-A-20-01-a-020		
Detector 2 :	Ch-B-20-01-b-020		

Method:	\\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\7890-EPH.m		
Last Update:	27-Dec-2012 07:19:55	Calib Date:	17-Oct-2012 19:37:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\BUFCHROM\ChromData\HP7890-20\20121017-15821.b\20-02-_-038.D		
Limit Group:	GC MAEPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK012		

First Level Reviewer: bescod Date: 27-Dec-2012 07:19:55

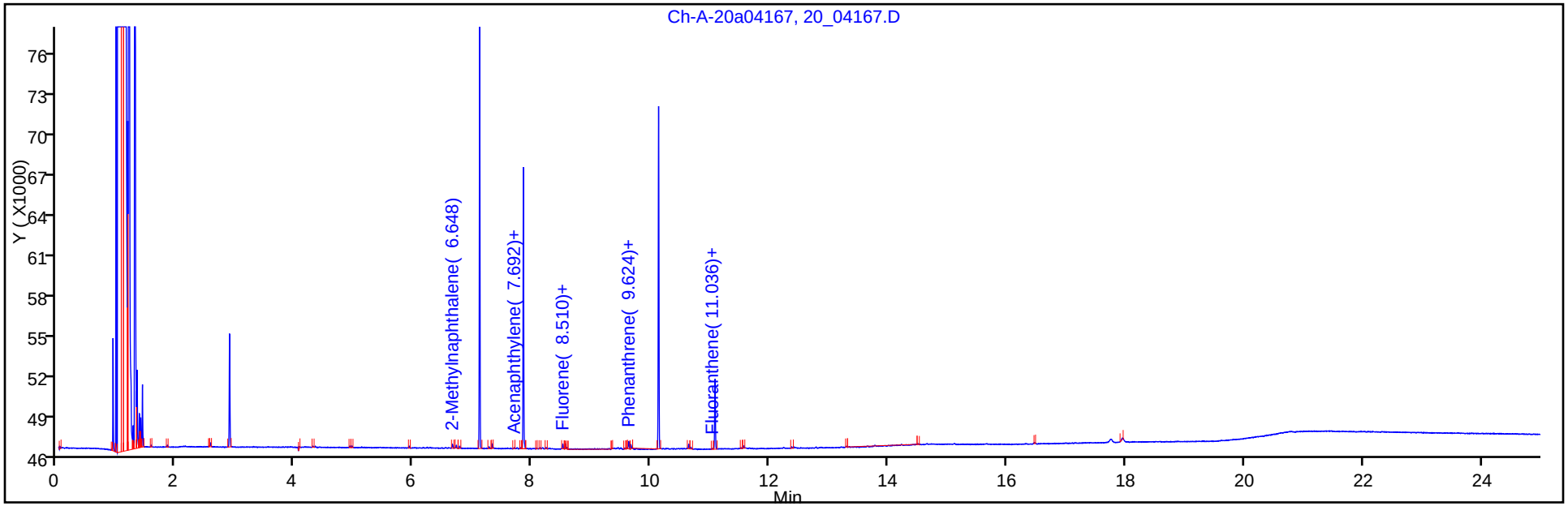
Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
A 4 C9-C18 Aliphatics						
2	6.400	3.000 -	9.800	2655	2.24	
10 2-Methylnaphthalene						
1	6.648	6.640	0.008	316	0.2778	
$ 11 2-Fluorobiphenyl						
1	7.108	7.106	0.002	24574	24.1	
13 Acenaphthylene						
1	7.692	7.680	0.012	50	0.0422	
$ 14 2-Bromonaphthalene						
1	7.844	7.844	0.000	17327	23.8	
16 Fluorene						
1	8.510	8.506	0.004	328	0.2695	
18 Phenanthrene						
1	9.624	9.624	0.000	562	0.4494	
$ 21 o-Terphenyl						
1	10.126	10.128	-0.002	21592	17.4	
24 Fluoranthene						
1	11.036	11.030	0.006	89	0.0684	
$ 25 1-Chlorooctadecane						
2	11.076	11.076	0.000	10349	12.0	
A 5 C11-C22 Aromatics						
1	11.650	7.500 -	15.800	11060	9.57	
A 3 C19-C36 Aliphatics						
2	13.300	8.500 -	18.100	13400	9.25	

Report Date: 27-Dec-2012 07:19:55 Chrom Revision: 2.0 22-Oct-2012 16:30:48

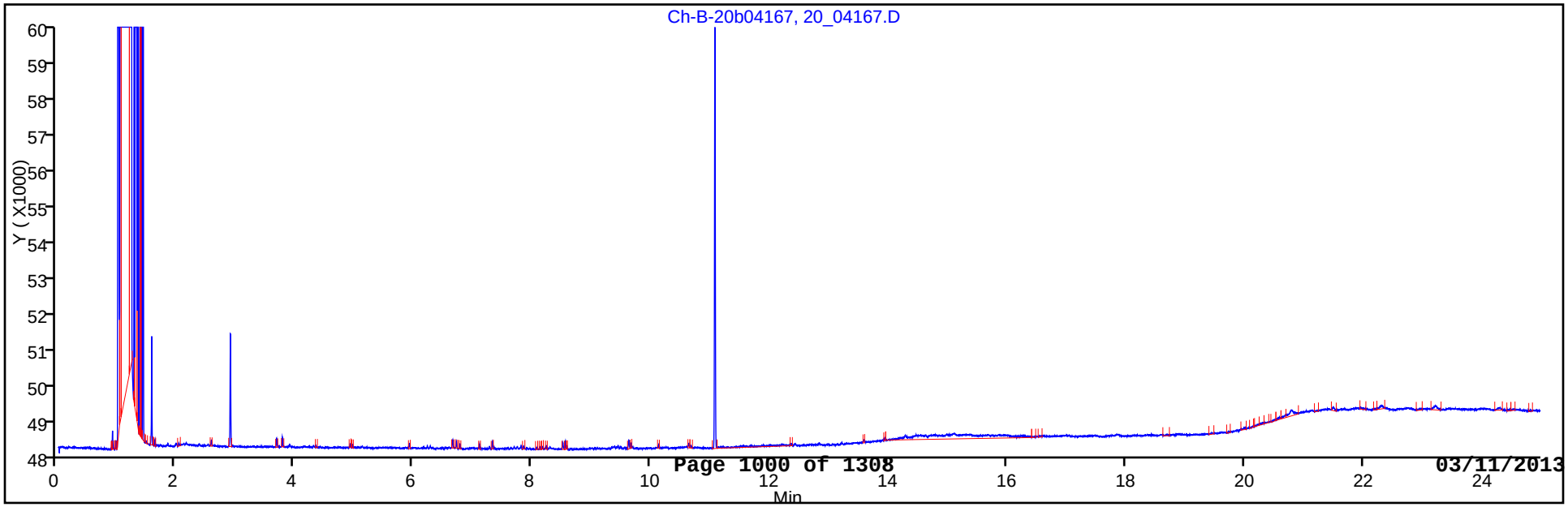
TestAmerica Buffalo

Data File:	\\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\20_04167.D		
Injection Date:	26-Dec-2012 21:30:07	Limit Group:	GC MAEPH ICAL
Client ID:	OC-SB-534-7.0/9.0-XXX	Instrument ID:	HP7890-20
Lims Batch ID:	97357	Lims Sample ID:	27
Operator ID:	tchrom	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



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

Lab Name: TestAmerica Buffalo Job No.: 480-30197-1 Analy Batch No.: 86038

SDG No.:

Instrument ID: HP7890-20 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/17/2012 16:40 Calibration End Date: 10/17/2012 19:37 Calibration ID: 11032

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 480-86038/4	20-02-_-032.D
Level 2	STD 480-86038/5	20-02-_-033.D
Level 3	STD 480-86038/6	20-02-_-034.D
Level 4	STD 480-86038/7	20-02-_-035.D
Level 5	STD 480-86038/8	20-02-_-036.D
Level 6	STD 480-86038/9	20-02-_-037.D
Level 7	STD 480-86038/10	20-02-_-038.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 7				RT WINDOW	AVG RT
Naphthalene	5.820	5.820	5.820	5.820	5.820	5.822	5.824				5.805 - 5.835	5.821
2-Methylnaphthalene	6.648	6.648	6.648	6.648	6.648	6.650	6.654				6.633 - 6.663	6.649
Acenaphthylene	7.688	7.688	7.688	7.688	7.690	7.692	7.696				7.675 - 7.705	7.690
Acenaphthene	7.902	7.900	7.900	7.900	7.902	7.904	7.910				7.887 - 7.917	7.903
Fluorene	8.514	8.514	8.514	8.514	8.516	8.518	8.522				8.501 - 8.531	8.516
Phenanthrene	9.632	9.632	9.632	9.634	9.634	9.638	9.644				9.619 - 9.649	9.635
Anthracene	9.692	9.692	9.692	9.692	9.694	9.698	9.704				9.679 - 9.709	9.695
C11-C22 Aromatics	10.650	10.650	10.650	10.650	10.650	10.650	10.650				5.500 - 15.800	10.650
Fluoranthene	11.038	11.038	11.038	11.040	11.042	11.046	11.052				11.027 - 11.057	11.042
Pyrene	11.294	11.292	11.292	11.294	11.296	11.300	11.306				11.281 - 11.311	11.296
Benzo[a]anthracene	12.734	12.734	12.734	12.736	12.738	12.742	12.750				12.723 - 12.753	12.738
Chrysene	12.774	12.772	12.772	12.776	12.778	12.784	12.792				12.763 - 12.793	12.778
Benzo[k]fluoranthene	13.930	13.930	13.930	13.934	13.936	13.942	13.950				13.921 - 13.951	13.936
Benzo[b]fluoranthene	13.958	13.958	13.960	13.964	13.966	13.974	13.984				13.951 - 13.981	13.966
Benzo[a]pyrene	14.252	14.252	14.254	14.256	14.260	14.266	14.274				14.245 - 14.275	14.259
Indeno[1,2,3-cd]pyrene	15.430	15.432	15.434	15.438	15.444	15.454	15.468				15.429 - 15.459	15.443
Dibenz(a,h)anthracene	15.476	15.478	15.478	15.482	15.488	15.498	15.514				15.473 - 15.503	15.488
Benzo[g,h,i]perylene	15.744	15.746	15.746	15.754	15.762	15.774	15.796				15.747 - 15.777	15.760
2-Fluorobiphenyl	7.114	7.114	7.114	7.114	7.116	7.116	7.118				7.101 - 7.131	7.115
2-Bromonaphthalene	7.852	7.852	7.852	7.852	7.852	7.854	7.858				7.837 - 7.867	7.853
o-Terphenyl	10.138	10.136	10.136	10.138	10.138	10.140	10.144				10.123 - 10.153	10.139

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

Lab Name: TestAmerica Buffalo Job No.: 480-30197-1 Analy Batch No.: 86038

SDG No.:

Instrument ID: HP7890-20 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/17/2012 16:40 Calibration End Date: 10/17/2012 19:37 Calibration ID: 11032

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 480-86038/4	20-02-_-032.D
Level 2	STD 480-86038/5	20-02-_-033.D
Level 3	STD 480-86038/6	20-02-_-034.D
Level 4	STD 480-86038/7	20-02-_-035.D
Level 5	STD 480-86038/8	20-02-_-036.D
Level 6	STD 480-86038/9	20-02-_-037.D
Level 7	STD 480-86038/10	20-02-_-038.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3 LVL 7	LVL 4		B	M1	M2								
Naphthalene	988.00 1171.8	1153.4 1157.1	1064.5 1165.6	1114.9	Ave		1116.46500				6.1		25.0			
2-Methylnaphthalene	997.10 1198.8	1166.1 1184.6	1084.1 1194.0	1138.8	Ave		1137.63876				6.5		25.0			
Acenaphthylene	1071.0 1246.1	1207.2 1230.8	1117.0 1242.4	1180.2	Ave		1184.93714				5.7		25.0			
Acenaphthene	1056.0 1265.2	1222.4 1246.1	1136.3 1257.4	1198.8	Ave		1197.45214				6.4		25.0			
Fluorene	1039.0 1293.0	1247.6 1277.0	1153.6 1286.5	1224.3	Ave		1217.28143				7.6		25.0			
Phenanthrene	1119.0 1321.9	1275.2 1300.1	1183.2 1298.3	1256.3	Ave		1250.56357				5.9		25.0			
Anthracene	1092.0 1315.8	1270.0 1291.9	1177.8 1288.2	1250.2	Ave		1240.84143				6.4		25.0			
C11-C22 Aromatics	1405.7 1308.5	1324.8 1275.9	1204.7 1283.6	1251.9	Ave		1293.57433				4.9		25.0			
Fluoranthene	1184.5 1368.0	1352.1 1323.0	1252.6 1315.3	1315.5	Ave		1301.56777				4.9		25.0			
Pyrene	1196.0 1369.0	1365.8 1322.5	1259.6 1316.1	1319.8	Ave		1306.96786				4.7		25.0			
Benzo[a]anthracene	1140.0 1324.1	1349.2 1278.1	1236.2 1284.5	1282.7	Ave		1270.68571				5.3		25.0			
Chrysene	1071.0 1279.7	1302.2 1234.0	1193.5 1243.8	1239.8	Ave		1223.43143				6.2		25.0			
Benzo[k]fluoranthene	1170.0 1334.1	1347.6 1288.2	1250.3 1314.6	1294.8	Ave		1285.66286				4.7		25.0			
Benzo[b]fluoranthene	1167.0 1334.8	1353.4 1296.6	1229.1 1301.0	1288.3	Ave		1281.45214				5.0		25.0			

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

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

Lab Name: TestAmerica Buffalo Job No.: 480-30197-1 Analy Batch No.: 86038

SDG No.:

Instrument ID: HP7890-20 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/17/2012 16:40 Calibration End Date: 10/17/2012 19:37 Calibration ID: 11032

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								
Benzo[a]pyrene	1177.0 1311.9	1323.4 1275.6	1225.5 1290.4	1268.5	Ave		1267.47143				4.0		25.0			
Indeno[1,2,3-cd]pyrene	1091.0 1309.1	1309.4 1290.5	1205.7 1320.9	1260.1	Ave		1255.23286				6.6		25.0			
Dibenz(a,h)anthracene	1136.0 1305.6	1299.0 1256.8	1207.6 1250.4	1262.8	Ave		1245.45714				4.7		25.0			
Benzo[g,h,i]perylene	1135.0 1318.9	1326.4 1283.1	1218.6 1294.4	1273.1	Ave		1264.20857				5.3		25.0			
2-Fluorobiphenyl	896.00 1070.8	1032.6 1064.1	972.70 1071.9	1020.4	Ave		1018.35500				6.3		25.0			
2-Bromonaphthalene	647.00 767.56	741.20 762.66	690.50 770.80	726.92	Ave		729.520000				6.3		25.0			
o-Terphenyl	1085.0 1308.3	1283.4 1285.2	1174.0 1282.1	1247.1	Ave		1237.86286				6.5		25.0			

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

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

Lab Name: TestAmerica Buffalo Job No.: 480-30197-1 Analy Batch No.: 86038

SDG No.:

Instrument ID: HP7890-20 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/17/2012 16:40 Calibration End Date: 10/17/2012 19:37 Calibration ID: 11032

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 480-86038/4	20-02-_-032.D
Level 2	STD 480-86038/5	20-02-_-033.D
Level 3	STD 480-86038/6	20-02-_-034.D
Level 4	STD 480-86038/7	20-02-_-035.D
Level 5	STD 480-86038/8	20-02-_-036.D
Level 6	STD 480-86038/9	20-02-_-037.D
Level 7	STD 480-86038/10	20-02-_-038.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
		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
Naphthalene	Ave	988 115709	5767 233113	10645	27873	58589	1.00 100	5.00 200	10.0	25.0	50.0
2-Methylnaphthalene	Ave	997 118444	5830 238767	10840	28468	59934	1.000 100.0	5.00 200	10.00	25.0	50.0
Acenaphthylene	Ave	1071 123077	6036 248474	11170	29504	62303	1.00 100	5.00 200	10.0	25.0	50.0
Acenaphthene	Ave	1056 124607	6112 251471	11363	29970	63262	1.00 100	5.00 200	10.0	25.0	50.0
Fluorene	Ave	1039 127696	6238 257302	11536	30607	64651	1.00 100	5.00 200	10.0	25.0	50.0
Phenanthrene	Ave	1119 130008	6376 259653	11832	31407	66096	1.00 100	5.00 200	10.0	25.0	50.0
Anthracene	Ave	1092 129190	6350 257634	11778	31255	65791	1.00 100	5.00 200	10.0	25.0	50.0
C11-C22 Aromatics	Ave	23897 2169026	112604 4364281	204791	532073	1112193	17.0 1700	85.0 3400	170	425	850
Fluoranthene	Ave	1184 132243	6758 262956	12521	32875	68371	1.000 100.0	5.00 200	10.00	25.0	50.0
Pyrene	Ave	1196 132245	6829 263225	12596	32995	68450	1.00 100	5.00 200	10.0	25.0	50.0
Benzo[a]anthracene	Ave	1140 127810	6746 256896	12362	32067	66207	1.00 100	5.00 200	10.0	25.0	50.0
Chrysene	Ave	1071 123403	6511 248754	11935	30996	63984	1.00 100	5.00 200	10.0	25.0	50.0
Benzo[k]fluoranthene	Ave	1170 128817	6738 262926	12503	32371	66705	1.00 100	5.00 200	10.0	25.0	50.0
Benzo[b]fluoranthene	Ave	1167 129658	6767 260205	12291	32207	66739	1.00 100	5.00 200	10.0	25.0	50.0
Benzo[a]pyrene	Ave	1177 127560	6617 258072	12255	31713	65596	1.00 100	5.00 200	10.0	25.0	50.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-30197-1 Analy Batch No.: 86038

SDG No.:

Instrument ID: HP7890-20 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/17/2012 16:40 Calibration End Date: 10/17/2012 19:37 Calibration ID: 11032

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
		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
Indeno[1,2,3-cd]pyrene	Ave	1091 129046	6547 264170	12057	31502	65457	1.00 100	5.00 200	10.0	25.0	50.0
Dibenz(a,h)anthracene	Ave	1136 125677	6495 250086	12076	31569	65282	1.00 100	5.00 200	10.0	25.0	50.0
Benzo[g,h,i]perylene	Ave	1135 128310	6632 258876	12186	31827	65945	1.00 100	5.00 200	10.0	25.0	50.0
2-Fluorobiphenyl	Ave	896 106409	5163 214379	9727	25511	53538	1.00 100	5.00 200	10.0	25.0	50.0
2-Bromonaphthalene	Ave	647 76266	3706 154160	6905	18173	38378	1.00 100	5.00 200	10.0	25.0	50.0
o-Terphenyl	Ave	1085 128516	6417 256420	11740	31178	65413	1.00 100	5.00 200	10.0	25.0	50.0

Curve Type Legend:
Ave = Average

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\BUFCHROM\ChromData\HP7890-20\20121017-15821.b\20-02-_-032.D		
Lims ID:	std 1.0	Client ID:	
Inject. Date:	17-Oct-2012 16:40:13	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	3
Sample ID:	Name:		
Misc. Info.:	Study: Channel B: I/F Serial#, 2247570447		
Operator:	tchrom	Instrument ID:	HP7890-20
Injection Vol:	1.0 ul	ALS Bottle#:	0
Lims Batch ID:	86038	Lims Sample ID:	4
Sublist:	chrom-7890-EPH*sub7		
Detector 1 :	Ch-A-20-01-a-020		
Detector 2 :	Ch-B-20-01-b-020		
Method:	\\BUFCHROM\ChromData\HP7890-20\20121017-15821.b\7890-EPH.m		
Last Update:	07-Nov-2012 11:37:03	Calib Date:	17-Oct-2012 19:37:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\BUFCHROM\ChromData\HP7890-20\20121017-15821.b\20-02-_-038.D		
Limit Group:	GC MAEPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK011		

First Level Reviewer: bescod Date: 07-Nov-2012 11:37:03

Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
6 n-Nonane						
2	3.276	3.282	-0.006	1039	0.8844	
7 n-Decane						
2	4.280	4.284	-0.004	1040	0.8741	
8 Naphthalene						
1	5.820	5.820	0.000	988	0.8849	
9 Dodecane						
2	5.954	5.958	-0.004	1036	0.8694	
A 4 C9-C18 Aliphatics						
2	6.400	3.000 -	9.800	6104	5.15	
10 2-Methylnaphthalene						
1	6.648	6.648	0.000	997	0.8764	
$ 11 2-Fluorobiphenyl						
1	7.114	7.116	-0.002	896	0.8799	
12 n-Tetradecane						
2	7.350	7.354	-0.004	1046	0.8875	
13 Acenaphthylene						
1	7.688	7.690	-0.002	1071	0.9038	
$ 14 2-Bromonaphthalene						
1	7.852	7.852	0.000	647	0.8869	
15 Acenaphthene						
1	7.902	7.902	0.000	1056	0.8819	
16 Fluorene						
1	8.514	8.516	-0.002	1039	0.8535	
17 Hexadecane						
2	8.578	8.580	-0.002	966	0.8573	

Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
18 Phenanthrene						
1	9.632	9.634	-0.002	1119	0.8948	
19 n-Octadecane						
2	9.682	9.684	-0.002	977	0.9032	
20 Anthracene						
1	9.692	9.694	-0.002	1092	0.8800	
$ 21 o-Terphenyl						
1	10.138	10.138	0.000	1085	0.8765	
22 C19						
2	10.196	10.198	-0.002	931	0.8932	
A 5 C11-C22 Aromatics						
1	10.650	5.500 - 15.800		23897	18.5	
23 icosane						
2	10.686	10.688	-0.002	907	0.8860	
24 Fluoranthene						
1	11.038	11.042	-0.004	1184	0.9097	
$ 25 1-Chlorooctadecane						
2	11.098	11.098	0.000	749	0.8704	
26 Pyrene						
1	11.294	11.296	-0.002	1196	0.9151	
27 n-Docosane						
2	11.606	11.606	0.000	874	0.8763	
28 n-Tetracosane						
2	12.452	12.452	0.000	869	0.8598	
29 Benzo[a]anthracene						
1	12.734	12.738	-0.004	1140	0.8972	
30 Chrysene						
1	12.774	12.778	-0.004	1071	0.8754	
31 n-Hexacosane						
2	13.236	13.238	-0.002	911	0.8671	
32 Benzo[k]fluoranthene						
1	13.930	13.936	-0.006	1170	0.9100	
A 3 C19-C36 Aliphatics						
2	13.950	9.800 - 18.100		10674	9.15	
34 Benzo[b]fluoranthene						
1	13.958	13.966	-0.008	1167	0.9107	
33 n-Octacosane						
2	13.964	13.966	-0.002	936	0.8649	
35 Benzo[a]pyrene						
1	14.252	14.260	-0.008	1177	0.9286	
36 Triacontane						
2	14.648	14.652	-0.004	966	0.8616	
37 Indeno[1,2,3-cd]pyrene						
1	15.430	15.444	-0.014	1091	0.8692	
38 Dibenz(a,h)anthracene						
1	15.476	15.488	-0.012	1136	0.9121	
39 Benzo[g,h,i]perylene						
1	15.744	15.762	-0.018	1135	0.8978	

Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
E 40 n-Hexatriacontane						
2	17.994	17.996	-0.002	1055	0.9566	

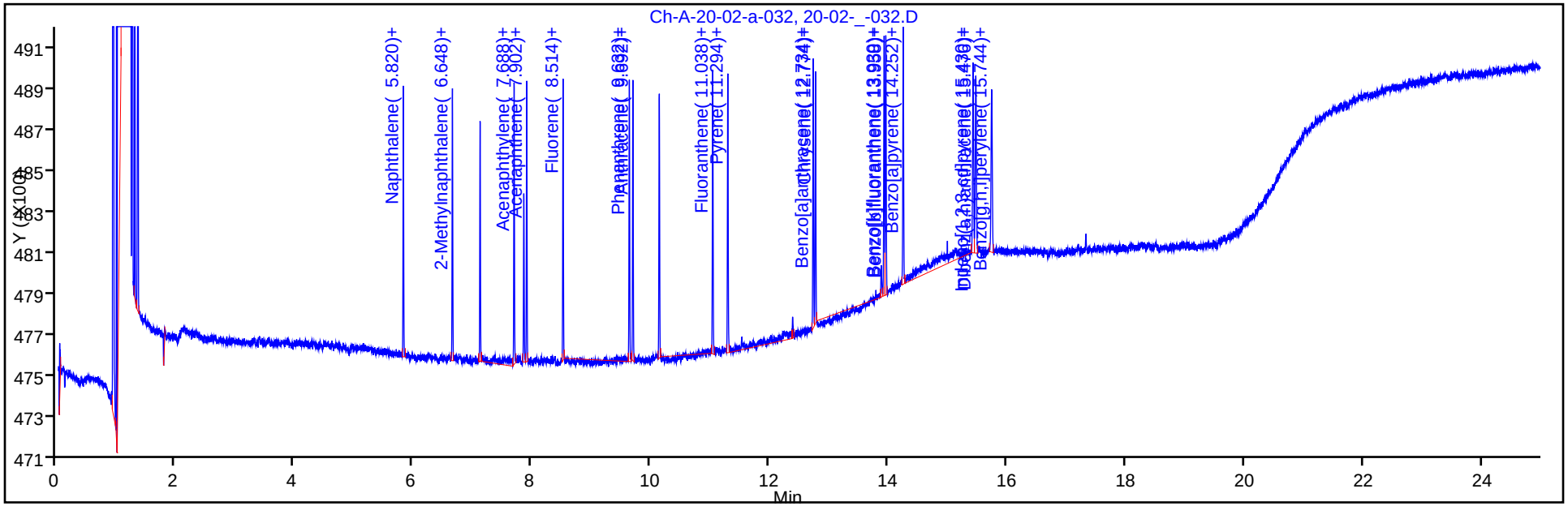
Report Date: 07-Nov-2012 11:37:04 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

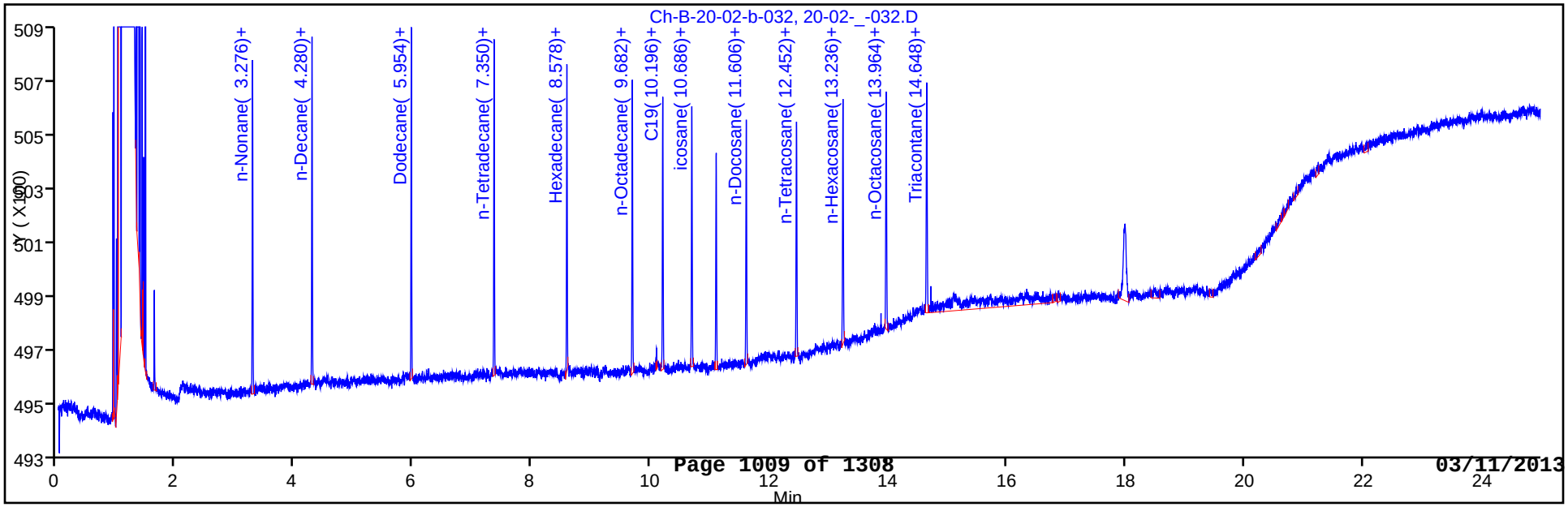
Data File: \\BUFCHROM\ChromData\HP7890-20\20121017-15821.b\20-02-_-032.D

Injection Date:	17-Oct-2012 16:40:13	Limit Group:	GC MAEPH ICAL
Client ID:		Instrument ID:	HP7890-20
Lims Batch ID:	86038	Lims Sample ID:	4
Operator ID:	tchrom	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\BUFCHROM\ChromData\HP7890-20\20121017-15821.b\20-02-_-033.D		
Lims ID:	std 5.0	Client ID:	
Inject. Date:	17-Oct-2012 17:09:37	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	Name:		
Misc. Info.:	Study: Channel B: I/F Serial#, 2247570447		
Operator:	tchrom	Instrument ID:	HP7890-20
Injection Vol:	1.0 ul	ALS Bottle#:	0
Lims Batch ID:	86038	Lims Sample ID:	5
Sublist:	chrom-7890-EPH*sub7		
Detector 1 :	Ch-A-20-01-a-020		
Detector 2 :	Ch-B-20-01-b-020		
Method:	\\BUFCHROM\ChromData\HP7890-20\20121017-15821.b\7890-EPH.m		
Last Update:	07-Nov-2012 11:37:08	Calib Date:	17-Oct-2012 19:37:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\BUFCHROM\ChromData\HP7890-20\20121017-15821.b\20-02-_-038.D		
Limit Group:	GC MAEPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK011		

First Level Reviewer: bescod Date: 07-Nov-2012 11:37:08

Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
6 n-Nonane						
2	3.278	3.282	-0.004	5959	5.07	
7 n-Decane						
2	4.280	4.284	-0.004	6057	5.09	
8 Naphthalene						
1	5.820	5.820	0.000	5767	5.17	
9 Dodecane						
2	5.954	5.958	-0.004	6072	5.10	
A 4 C9-C18 Aliphatics						
2	6.400	3.000 -	9.800	37195	31.4	
10 2-Methylnaphthalene						
1	6.648	6.648	0.000	5830	5.12	
$ 11 2-Fluorobiphenyl						
1	7.114	7.116	-0.002	5163	5.07	
12 n-Tetradecane						
2	7.350	7.354	-0.004	6037	5.12	
13 Acenaphthylene						
1	7.688	7.690	-0.002	6036	5.09	
$ 14 2-Bromonaphthalene						
1	7.852	7.852	0.000	3706	5.08	
15 Acenaphthene						
1	7.900	7.902	-0.002	6112	5.10	
16 Fluorene						
1	8.514	8.516	-0.002	6238	5.12	
17 Hexadecane						
2	8.578	8.580	-0.002	5847	5.19	

Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
18 Phenanthrene						
1	9.632	9.634	-0.002	6376	5.10	
19 n-Octadecane						
2	9.682	9.684	-0.002	5592	5.17	
20 Anthracene						
1	9.692	9.694	-0.002	6350	5.12	
$ 21 o-Terphenyl						
1	10.136	10.138	-0.002	6417	5.18	
22 C19						
2	10.196	10.198	-0.002	5371	5.15	
A 5 C11-C22 Aromatics						
1	10.650	5.500 - 15.800		112604	87.0	
23 icosane						
2	10.686	10.688	-0.002	5261	5.14	
24 Fluoranthene						
1	11.038	11.042	-0.004	6758	5.19	
$ 25 1-Chlorooctadecane						
2	11.096	11.098	-0.002	4350	5.06	
26 Pyrene						
1	11.292	11.296	-0.004	6829	5.23	
27 n-Docosane						
2	11.604	11.606	-0.002	5114	5.13	
28 n-Tetracosane						
2	12.452	12.452	0.000	5149	5.09	
29 Benzo[a]anthracene						
1	12.734	12.738	-0.004	6746	5.31	
30 Chrysene						
1	12.772	12.778	-0.006	6511	5.32	
31 n-Hexacosane						
2	13.236	13.238	-0.002	5348	5.09	
32 Benzo[k]fluoranthene						
1	13.930	13.936	-0.006	6738	5.24	
A 3 C19-C36 Aliphatics						
2	13.950	9.800 - 18.100		46769	40.1	
34 Benzo[b]fluoranthene						
1	13.958	13.966	-0.008	6767	5.28	
33 n-Octacosane						
2	13.964	13.966	-0.002	5544	5.12	
35 Benzo[a]pyrene						
1	14.252	14.260	-0.008	6617	5.22	
36 Triacontane						
2	14.650	14.652	-0.002	5589	4.98	
37 Indeno[1,2,3-cd]pyrene						
1	15.432	15.444	-0.012	6547	5.22	
38 Dibenz(a,h)anthracene						
1	15.478	15.488	-0.010	6495	5.21	
39 Benzo[g,h,i]perylene						
1	15.746	15.762	-0.016	6632	5.25	

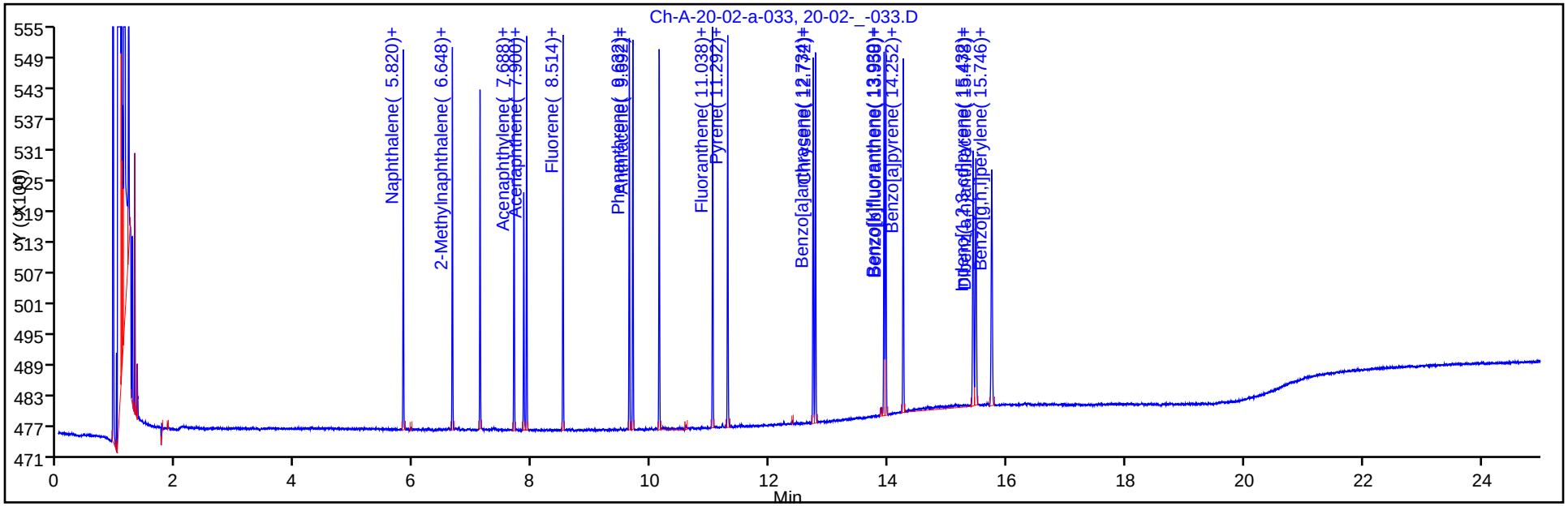
Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
E 40 n-Hexatriacontane						
2	17.992	17.996	-0.004	5485	4.97	

Report Date: 07-Nov-2012 11:37:08 Chrom Revision: 2.0 22-Oct-2012 16:30:48

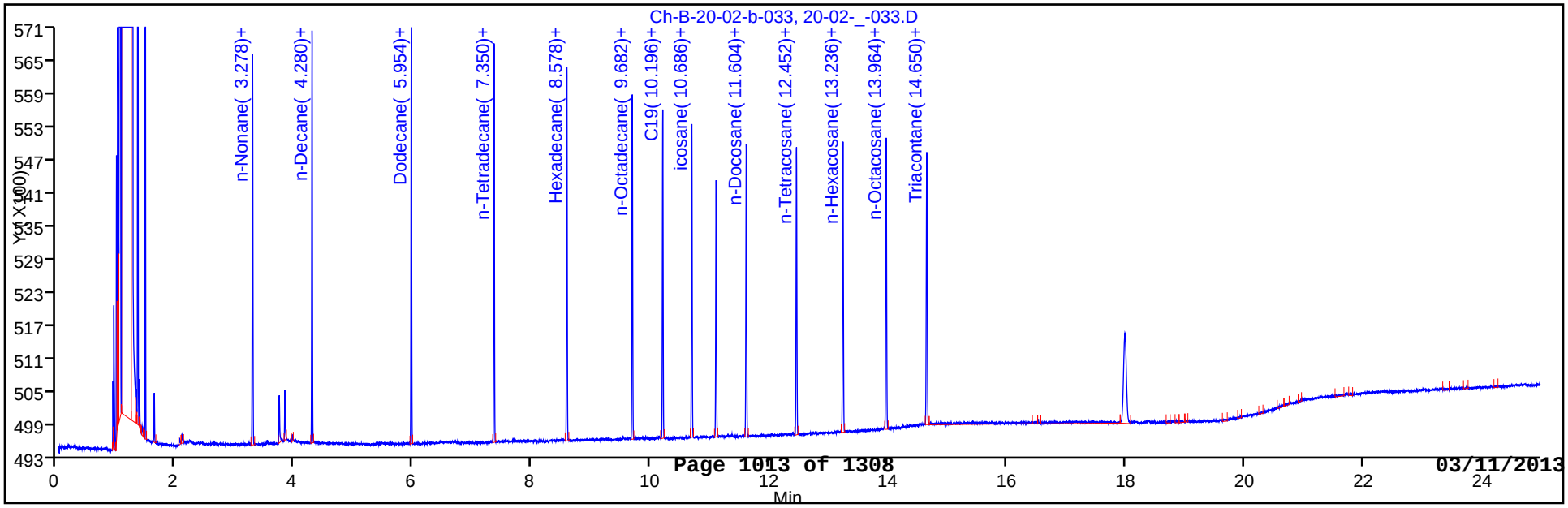
TestAmerica Buffalo

Data File:	\\BUFCHROM\ChromData\HP7890-20\20121017-15821.b\20-02-_-033.D		
Injection Date:	17-Oct-2012 17:09:37	Limit Group:	GC MAEPH ICAL
Client ID:		Instrument ID:	HP7890-20
Lims Batch ID:	86038	Lims Sample ID:	5
Operator ID:	tchrom	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\BUFCHROM\ChromData\HP7890-20\20121017-15821.b\20-02-_-034.D		
Lims ID:	std 10	Client ID:	
Inject. Date:	17-Oct-2012 17:39:06	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	Name:		
Misc. Info.:	Study: Channel B: I/F Serial#, 2247570447		
Operator:	tchrom	Instrument ID:	HP7890-20
Injection Vol:	1.0 ul	ALS Bottle#:	0
Lims Batch ID:	86038	Lims Sample ID:	6
Sublist:	chrom-7890-EPH*sub7		
Detector 1 :	Ch-A-20-01-a-020		
Detector 2 :	Ch-B-20-01-b-020		
Method:	\\BUFCHROM\ChromData\HP7890-20\20121017-15821.b\7890-EPH.m		
Last Update:	07-Nov-2012 11:37:12	Calib Date:	17-Oct-2012 19:37:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\BUFCHROM\ChromData\HP7890-20\20121017-15821.b\20-02-_-038.D		
Limit Group:	GC MAEPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK011		

First Level Reviewer: bescod Date: 07-Nov-2012 11:37:12

Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
6 n-Nonane						
2	3.278	3.282	-0.004	11893	10.1	
7 n-Decane						
2	4.280	4.284	-0.004	12003	10.1	
8 Naphthalene						
1	5.820	5.820	0.000	10645	9.53	
9 Dodecane						
2	5.954	5.958	-0.004	12046	10.1	
A 4 C9-C18 Aliphatics						
2	6.400	3.000 -	9.800	73929	62.3	
10 2-Methylnaphthalene						
1	6.648	6.648	0.000	10840	9.53	
$ 11 2-Fluorobiphenyl						
1	7.114	7.116	-0.002	9727	9.55	
12 n-Tetradecane						
2	7.350	7.354	-0.004	11807	10.0	
13 Acenaphthylene						
1	7.688	7.690	-0.002	11170	9.43	
$ 14 2-Bromonaphthalene						
1	7.852	7.852	0.000	6905	9.47	
15 Acenaphthene						
1	7.900	7.902	-0.002	11363	9.49	
16 Fluorene						
1	8.514	8.516	-0.002	11536	9.48	
17 Hexadecane						
2	8.578	8.580	-0.002	11355	10.1	

Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
18 Phenanthrene						
1	9.632	9.634	-0.002	11832	9.46	
19 n-Octadecane						
2	9.682	9.684	-0.002	10791	9.98	
20 Anthracene						
1	9.692	9.694	-0.002	11778	9.49	
$ 21 o-Terphenyl						
1	10.136	10.138	-0.002	11740	9.48	
22 C19						
2	10.196	10.198	-0.002	10385	9.96	
A 5 C11-C22 Aromatics						
1	10.650	5.500 - 15.800		204791	158.3	
23 icosane						
2	10.686	10.688	-0.002	10135	9.90	
24 Fluoranthene						
1	11.038	11.042	-0.004	12521	9.62	
$ 25 1-Chlorooctadecane						
2	11.098	11.098	0.000	8512	9.89	
26 Pyrene						
1	11.292	11.296	-0.004	12596	9.64	
27 n-Docosane						
2	11.606	11.606	0.000	9729	9.75	
28 n-Tetracosane						
2	12.452	12.452	0.000	9749	9.65	
29 Benzo[a]anthracene						
1	12.734	12.738	-0.004	12362	9.73	
30 Chrysene						
1	12.772	12.778	-0.006	11935	9.76	
31 n-Hexacosane						
2	13.236	13.238	-0.002	10061	9.58	
32 Benzo[k]fluoranthene						
1	13.930	13.936	-0.006	12503	9.72	
A 3 C19-C36 Aliphatics						
2	13.950	9.800 - 18.100		98134	84.1	
34 Benzo[b]fluoranthene						
1	13.960	13.966	-0.006	12291	9.59	
33 n-Octacosane						
2	13.966	13.966	0.000	10311	9.53	
35 Benzo[a]pyrene						
1	14.254	14.260	-0.006	12255	9.67	
36 Triacontane						
2	14.650	14.652	-0.002	11904	10.6	
37 Indeno[1,2,3-cd]pyrene						
1	15.434	15.444	-0.010	12057	9.61	
38 Dibenz(a,h)anthracene						
1	15.478	15.488	-0.010	12076	9.70	
39 Benzo[g,h,i]perylene						
1	15.746	15.762	-0.016	12186	9.64	

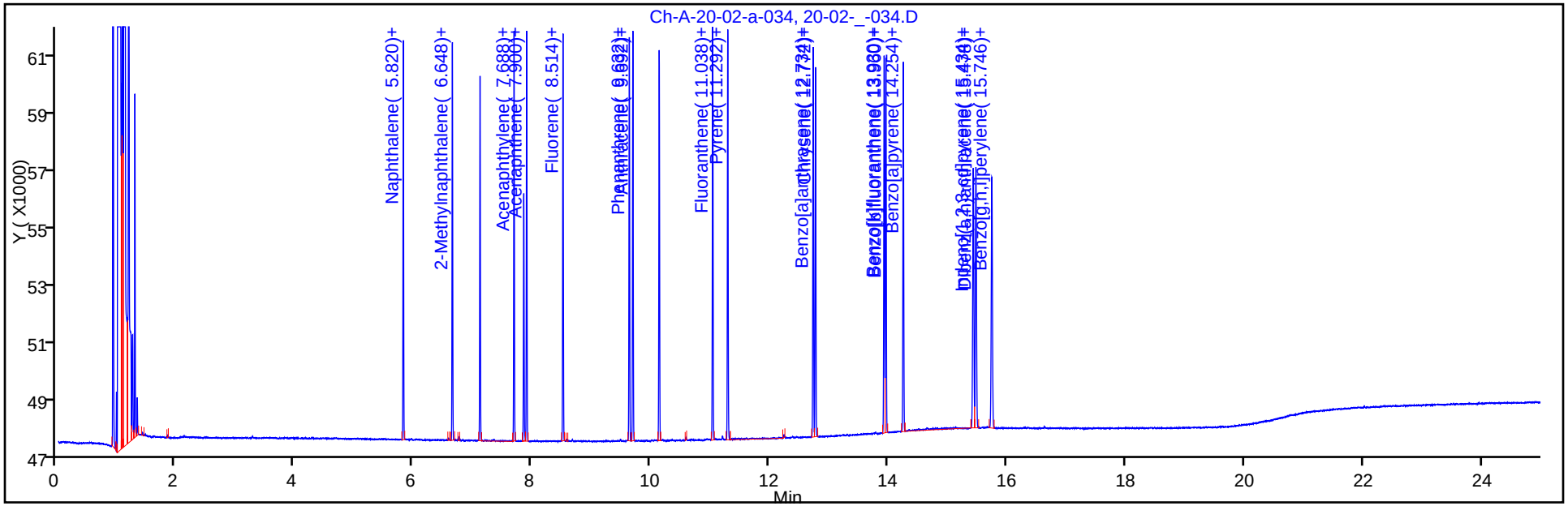
Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
E 40 n-Hexatriacontane						
2	17.994	17.996	-0.002	10762	9.76	

Report Date: 07-Nov-2012 11:37:13 Chrom Revision: 2.0 22-Oct-2012 16:30:48

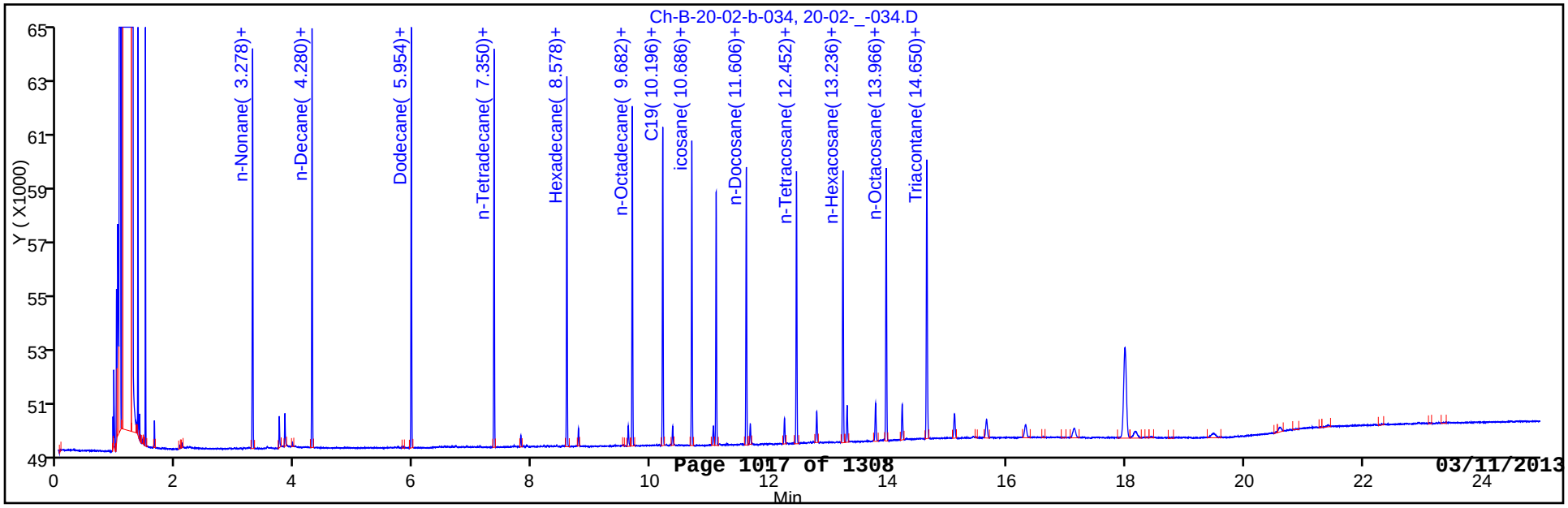
TestAmerica Buffalo

Data File:	\\BUFCHROM\ChromData\HP7890-20\20121017-15821.b\20-02-_-034.D		
Injection Date:	17-Oct-2012 17:39:06	Limit Group:	GC MAEPH ICAL
Client ID:		Instrument ID:	HP7890-20
Lims Batch ID:	86038	Lims Sample ID:	6
Operator ID:	tchrom	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\BUFCHROM\ChromData\HP7890-20\20121017-15821.b\20-02-_-035.D		
Lims ID:	std 25	Client ID:	
Inject. Date:	17-Oct-2012 18:08:33	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	6
Sample ID:	Name:		
Misc. Info.:	Study: Channel B: I/F Serial#, 2247570447		
Operator:	tchrom	Instrument ID:	HP7890-20
Injection Vol:	1.0 ul	ALS Bottle#:	0
Lims Batch ID:	86038	Lims Sample ID:	7
Sublist:	chrom-7890-EPH*sub7		
Detector 1 :	Ch-A-20-01-a-020		
Detector 2 :	Ch-B-20-01-b-020		
Method:	\\BUFCHROM\ChromData\HP7890-20\20121017-15821.b\7890-EPH.m		
Last Update:	07-Nov-2012 11:37:16	Calib Date:	17-Oct-2012 19:37:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\BUFCHROM\ChromData\HP7890-20\20121017-15821.b\20-02-_-038.D		
Limit Group:	GC MAEPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK011		

First Level Reviewer: bescod Date: 07-Nov-2012 11:37:16

Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
6 n-Nonane						
2	3.278	3.282	-0.004	29017	24.7	
7 n-Decane						
2	4.282	4.284	-0.002	29409	24.7	
8 Naphthalene						
1	5.820	5.820	0.000	27873	25.0	
9 Dodecane						
2	5.956	5.958	-0.002	29516	24.8	
A 4 C9-C18 Aliphatics						M
2	6.400	3.000 -	9.800	177554	149.7	M
10 2-Methylnaphthalene						
1	6.648	6.648	0.000	28468	25.0	
$ 11 2-Fluorobiphenyl						
1	7.114	7.116	-0.002	25511	25.1	
12 n-Tetradecane						
2	7.352	7.354	-0.002	29287	24.8	
13 Acenaphthylene						
1	7.688	7.690	-0.002	29504	24.9	
$ 14 2-Bromonaphthalene						
1	7.852	7.852	0.000	18173	24.9	
15 Acenaphthene						
1	7.900	7.902	-0.002	29970	25.0	
16 Fluorene						
1	8.514	8.516	-0.002	30607	25.1	
17 Hexadecane						
2	8.580	8.580	0.000	28416	25.2	

Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
18 Phenanthrene						
1	9.634	9.634	0.000	31407	25.1	
19 n-Octadecane						M
2	9.684	9.684	0.000	27194	25.1	M
20 Anthracene						
1	9.692	9.694	-0.002	31255	25.2	
$ 21 o-Terphenyl						
1	10.138	10.138	0.000	31178	25.2	
22 C19						
2	10.196	10.198	-0.002	26345	25.3	
A 5 C11-C22 Aromatics						
1	10.650	5.500 - 15.800		532073	411.3	
23 icosane						
2	10.686	10.688	-0.002	25919	25.3	
24 Fluoranthene						
1	11.040	11.042	-0.002	32875	25.3	
$ 25 1-Chlorooctadecane						
2	11.098	11.098	0.000	21857	25.4	
26 Pyrene						
1	11.294	11.296	-0.002	32995	25.2	
27 n-Docosane						
2	11.606	11.606	0.000	25134	25.2	
28 n-Tetracosane						
2	12.452	12.452	0.000	25520	25.3	
29 Benzo[a]anthracene						
1	12.736	12.738	-0.002	32067	25.2	
30 Chrysene						
1	12.776	12.778	-0.002	30996	25.3	
31 n-Hexacosane						
2	13.236	13.238	-0.002	26533	25.3	
32 Benzo[k]fluoranthene						
1	13.934	13.936	-0.002	32371	25.2	
A 3 C19-C36 Aliphatics						
2	13.950	9.800 - 18.100		227351	194.8	
34 Benzo[b]fluoranthene						
1	13.964	13.966	-0.002	32207	25.1	
33 n-Octacosane						
2	13.966	13.966	0.000	27350	25.3	
35 Benzo[a]pyrene						
1	14.256	14.260	-0.004	31713	25.0	
36 Triacontane						
2	14.650	14.652	-0.002	28884	25.8	
37 Indeno[1,2,3-cd]pyrene						
1	15.438	15.444	-0.006	31502	25.1	
38 Dibenz(a,h)anthracene						
1	15.482	15.488	-0.006	31569	25.3	
39 Benzo[g,h,i]perylene						
1	15.754	15.762	-0.008	31827	25.2	

Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
E 40 n-Hexatriacontane						
2	17.996	17.996	0.000	27858	25.3	

QC Flag Legend

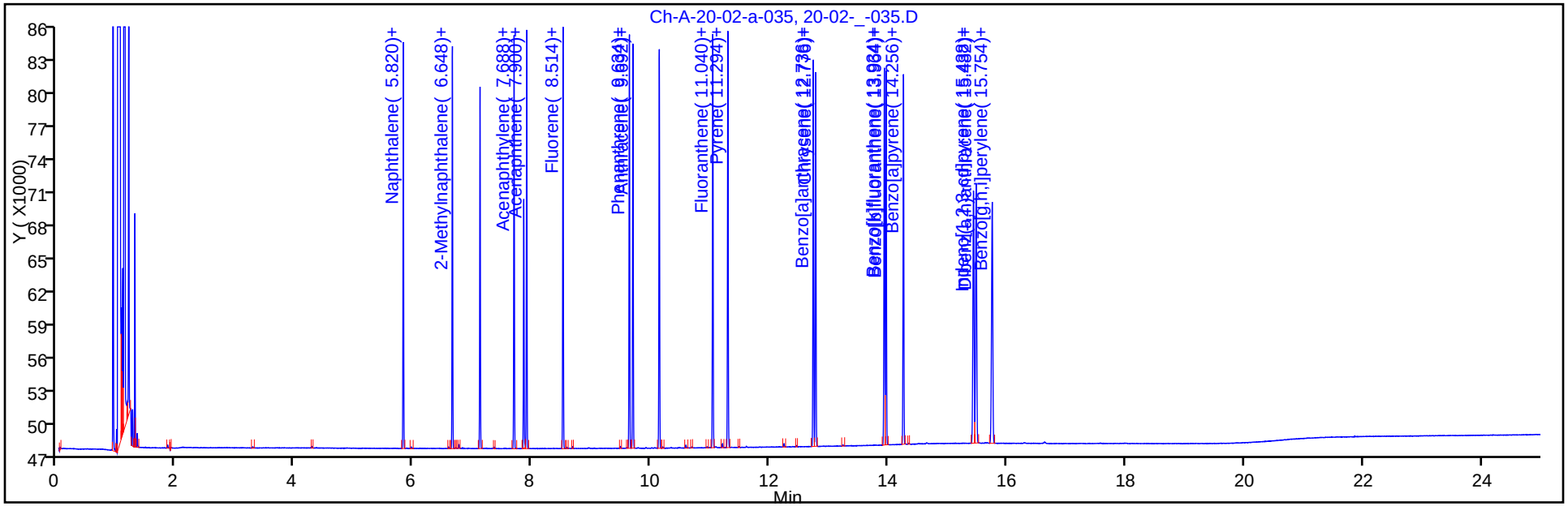
Review Flags
M - Manually Integrated

Report Date: 07-Nov-2012 11:37:16 Chrom Revision: 2.0 22-Oct-2012 16:30:48

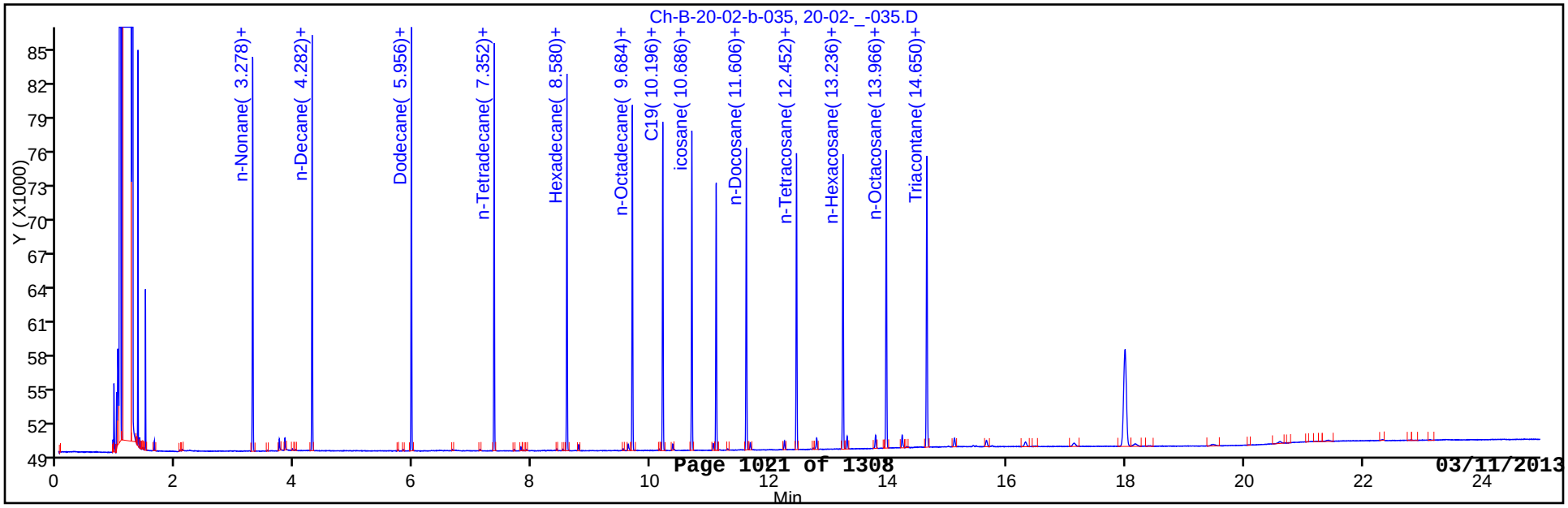
TestAmerica Buffalo

Data File:	\\BUFCHROM\ChromData\HP7890-20\20121017-15821.b\20-02-_-035.D		
Injection Date:	17-Oct-2012 18:08:33	Limit Group:	GC MAEPH ICAL
Client ID:		Instrument ID:	HP7890-20
Lims Batch ID:	86038	Lims Sample ID:	7
Operator ID:	tchrom	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\BUFCHROM\ChromData\HP7890-20\20121017-15821.b\20-02-_-036.D		
Lims ID:	std 50	Client ID:	
Inject. Date:	17-Oct-2012 18:38:07	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	7
Sample ID:	Name:		
Misc. Info.:	Study: Channel B: I/F Serial#, 2247570447		
Operator:	tchrom	Instrument ID:	HP7890-20
Injection Vol:	1.0 ul	ALS Bottle#:	0
Lims Batch ID:	86038	Lims Sample ID:	8
Sublist:	chrom-7890-EPH*sub7		
Detector 1 :	Ch-A-20-01-a-020		
Detector 2 :	Ch-B-20-01-b-020		
Method:	\\BUFCHROM\ChromData\HP7890-20\20121017-15821.b\7890-EPH.m		
Last Update:	07-Nov-2012 11:37:20	Calib Date:	17-Oct-2012 19:37:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\BUFCHROM\ChromData\HP7890-20\20121017-15821.b\20-02-_-038.D		
Limit Group:	GC MAEPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK011		

First Level Reviewer: bescod Date: 07-Nov-2012 11:37:20

Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
6 n-Nonane						M
2	3.282	3.282	0.000	61496	52.3	M
7 n-Decane						
2	4.284	4.284	0.000	62729	52.7	
8 Naphthalene						
1	5.820	5.820	0.000	58589	52.5	
9 Dodecane						
2	5.958	5.958	0.000	62996	52.9	
A 4 C9-C18 Aliphatics						M
2	6.400	3.000 -	9.800	372564	314.2	M
10 2-Methylnaphthalene						
1	6.648	6.648	0.000	59934	52.7	
$ 11 2-Fluorobiphenyl						
1	7.116	7.116	0.000	53538	52.6	
12 n-Tetradecane						
2	7.354	7.354	0.000	62375	52.9	
13 Acenaphthylene						
1	7.690	7.690	0.000	62303	52.6	
$ 14 2-Bromonaphthalene						
1	7.852	7.852	0.000	38378	52.6	
15 Acenaphthene						
1	7.902	7.902	0.000	63262	52.8	
16 Fluorene						
1	8.516	8.516	0.000	64651	53.1	
17 Hexadecane						
2	8.580	8.580	0.000	59903	53.2	

Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
18 Phenanthrene						
1	9.634	9.634	0.000	66096	52.9	
19 n-Octadecane						
2	9.684	9.684	0.000	57173	52.9	
20 Anthracene						
1	9.694	9.694	0.000	65791	53.0	
$ 21 o-Terphenyl						
1	10.138	10.138	0.000	65413	52.8	
22 C19						
2	10.198	10.198	0.000	55162	52.9	
A 5 C11-C22 Aromatics						
1	10.650	5.500 - 15.800		1112193	859.8	
23 icosane						
2	10.688	10.688	0.000	54217	53.0	
24 Fluoranthene						
1	11.042	11.042	0.000	68371	52.5	
$ 25 1-Chlorooctadecane						
2	11.098	11.098	0.000	45431	52.8	
26 Pyrene						
1	11.296	11.296	0.000	68450	52.4	
27 n-Docosane						
2	11.606	11.606	0.000	52791	52.9	
28 n-Tetracosane						
2	12.452	12.452	0.000	53453	52.9	
29 Benzo[a]anthracene						
1	12.738	12.738	0.000	66207	52.1	
30 Chrysene						
1	12.778	12.778	0.000	63984	52.3	
31 n-Hexacosane						
2	13.238	13.238	0.000	55598	52.9	
32 Benzo[k]fluoranthene						
1	13.936	13.936	0.000	66705	51.9	
A 3 C19-C36 Aliphatics						
2	13.950	9.800 - 18.100		445051	381.3	
34 Benzo[b]fluoranthene						
1	13.966	13.966	0.000	66739	52.1	
33 n-Octacosane						
2	13.966	13.966	0.000	57440	53.1	
35 Benzo[a]pyrene						
1	14.260	14.260	0.000	65596	51.8	
36 Triacontane						
2	14.652	14.652	0.000	57765	51.5	
37 Indeno[1,2,3-cd]pyrene						
1	15.444	15.444	0.000	65457	52.1	
38 Dibenz(a,h)anthracene						
1	15.488	15.488	0.000	65282	52.4	
39 Benzo[g,h,i]perylene						
1	15.762	15.762	0.000	65945	52.2	

Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
E 40 n-Hexatriacontane						
2	17.996	17.996	0.000	55530	50.4	

QC Flag Legend

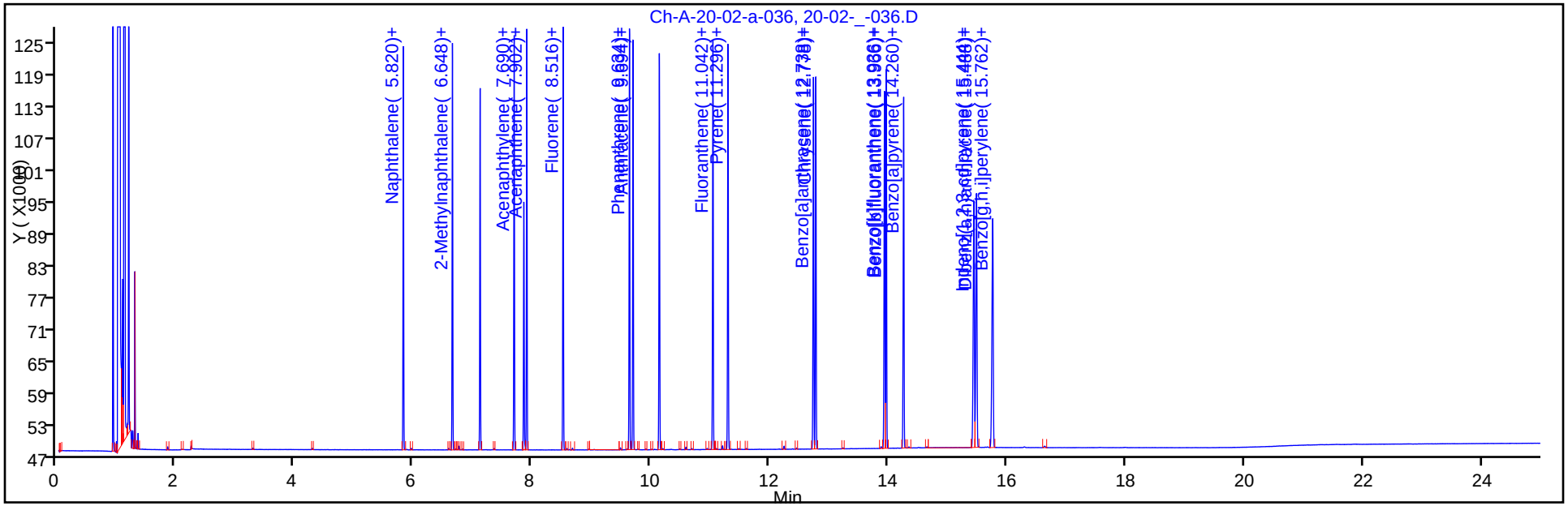
Review Flags
M - Manually Integrated

Report Date: 07-Nov-2012 11:37:21 Chrom Revision: 2.0 22-Oct-2012 16:30:48

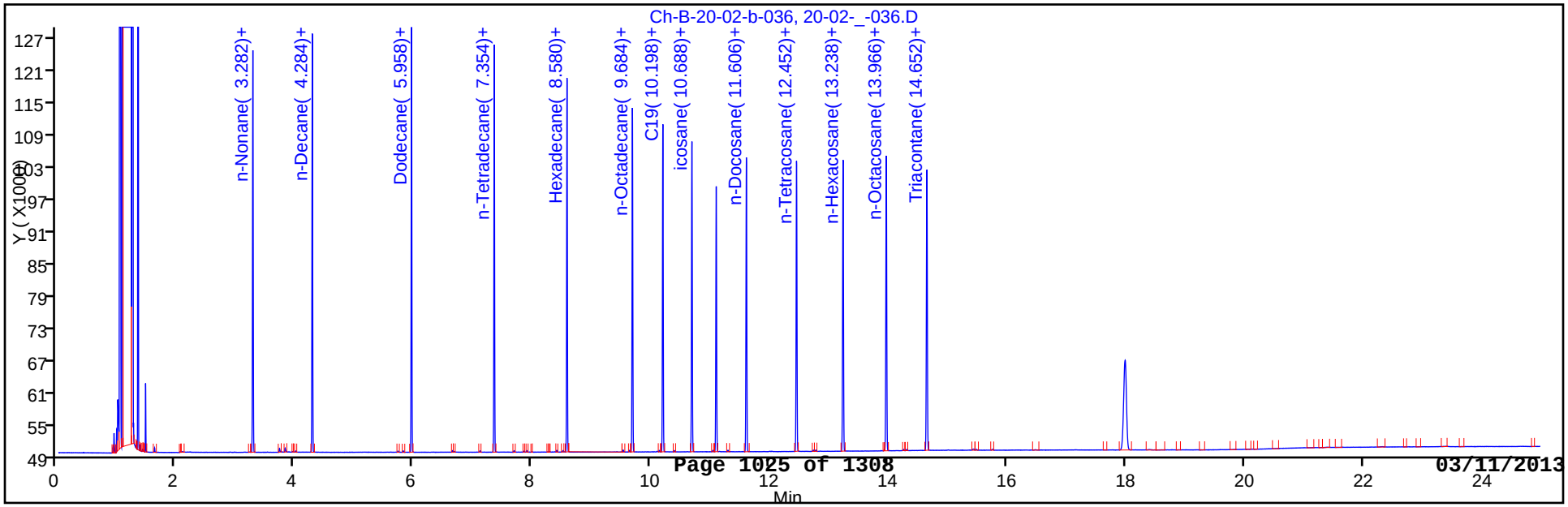
TestAmerica Buffalo

Data File:	\\BUFCHROM\ChromData\HP7890-20\20121017-15821.b\20-02-_-036.D		
Injection Date:	17-Oct-2012 18:38:07	Limit Group:	GC MAEPH ICAL
Client ID:		Instrument ID:	HP7890-20
Lims Batch ID:	86038	Lims Sample ID:	8
Operator ID:	tchrom	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\BUFCHROM\ChromData\HP7890-20\20121017-15821.b\20-02-_-037.D		
Lims ID:	std 100	Client ID:	
Inject. Date:	17-Oct-2012 19:07:35	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	8
Sample ID:	Name:		
Misc. Info.:	Study: Channel B: I/F Serial#, 2247570447		
Operator:	tchrom	Instrument ID:	HP7890-20
Injection Vol:	1.0 ul	ALS Bottle#:	0
Lims Batch ID:	86038	Lims Sample ID:	9
Sublist:	chrom-7890-EPH*sub7		
Detector 1 :	Ch-A-20-01-a-020		
Detector 2 :	Ch-B-20-01-b-020		
Method:	\\BUFCHROM\ChromData\HP7890-20\20121017-15821.b\7890-EPH.m		
Last Update:	07-Nov-2012 11:37:25	Calib Date:	17-Oct-2012 19:37:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\BUFCHROM\ChromData\HP7890-20\20121017-15821.b\20-02-_-038.D		
Limit Group:	GC MAEPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK011		

First Level Reviewer: bescod Date: 07-Nov-2012 11:37:25

Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
6 n-Nonane						
2	3.284	3.282	0.002	122249	104.1	
7 n-Decane						
2	4.288	4.284	0.004	123659	103.9	
8 Naphthalene						
1	5.822	5.820	0.002	115709	103.6	
9 Dodecane						
2	5.960	5.958	0.002	123589	103.7	
A 4 C9-C18 Aliphatics						
2	6.400	3.000 -	9.800	725241	611.6	
10 2-Methylnaphthalene						
1	6.650	6.648	0.002	118444	104.1	
$ 11 2-Fluorobiphenyl						
1	7.116	7.116	0.000	106409	104.5	
12 n-Tetradecane						
2	7.356	7.354	0.002	121415	103.0	
13 Acenaphthylene						
1	7.692	7.690	0.002	123077	103.9	
$ 14 2-Bromonaphthalene						
1	7.854	7.852	0.002	76266	104.5	
15 Acenaphthene						
1	7.904	7.902	0.002	124607	104.1	
16 Fluorene						
1	8.518	8.516	0.002	127696	104.9	
17 Hexadecane						
2	8.582	8.580	0.002	115758	102.7	

Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
18 Phenanthrene						
1	9.638	9.634	0.004	130008	104.0	
19 n-Octadecane						
2	9.686	9.684	0.002	109597	101.3	
20 Anthracene						
1	9.698	9.694	0.004	129190	104.1	
$ 21 o-Terphenyl						
1	10.140	10.138	0.002	128516	103.8	
22 C19						
2	10.198	10.198	0.000	105737	101.4	
A 5 C11-C22 Aromatics						
1	10.650	5.500 - 15.800		2169026	1676.8	
23 icosane						
2	10.690	10.688	0.002	103973	101.6	
24 Fluoranthene						
1	11.046	11.042	0.004	132243	101.6	
$ 25 1-Chlorooctadecane						
2	11.100	11.098	0.002	88348	102.7	
26 Pyrene						
1	11.300	11.296	0.004	132245	101.2	
27 n-Docosane						
2	11.608	11.606	0.002	101658	101.9	
28 n-Tetracosane						
2	12.454	12.452	0.002	103834	102.7	
29 Benzo[a]anthracene						
1	12.742	12.738	0.004	127810	100.6	
30 Chrysene						
1	12.784	12.778	0.006	123403	100.9	
31 n-Hexacosane						
2	13.238	13.238	0.000	107974	102.8	
32 Benzo[k]fluoranthene						
1	13.942	13.936	0.006	128817	100.2	
A 3 C19-C36 Aliphatics						
2	13.950	9.800 - 18.100		873959	748.8	
34 Benzo[b]fluoranthene						
1	13.974	13.966	0.008	129658	101.2	
33 n-Octacosane						
2	13.968	13.966	0.002	111444	103.0	
35 Benzo[a]pyrene						
1	14.266	14.260	0.006	127560	100.6	
36 Triacontane						
2	14.652	14.652	0.000	112679	100.5	
37 Indeno[1,2,3-cd]pyrene						
1	15.454	15.444	0.010	129046	102.8	
38 Dibenz(a,h)anthracene						
1	15.498	15.488	0.010	125677	100.9	
39 Benzo[g,h,i]perylene						
1	15.774	15.762	0.012	128310	101.5	

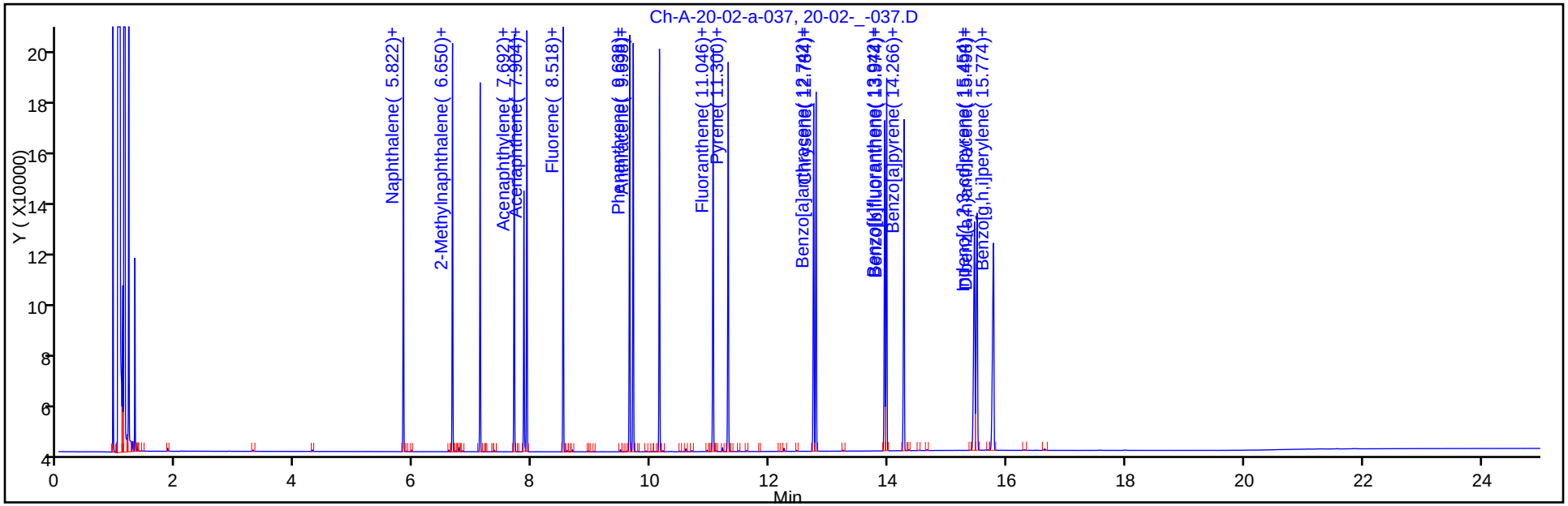
Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
E 40 n-Hexatriacontane						
2	18.002	17.996	0.006	112814	102.3	

Report Date: 07-Nov-2012 11:37:26 Chrom Revision: 2.0 22-Oct-2012 16:30:48

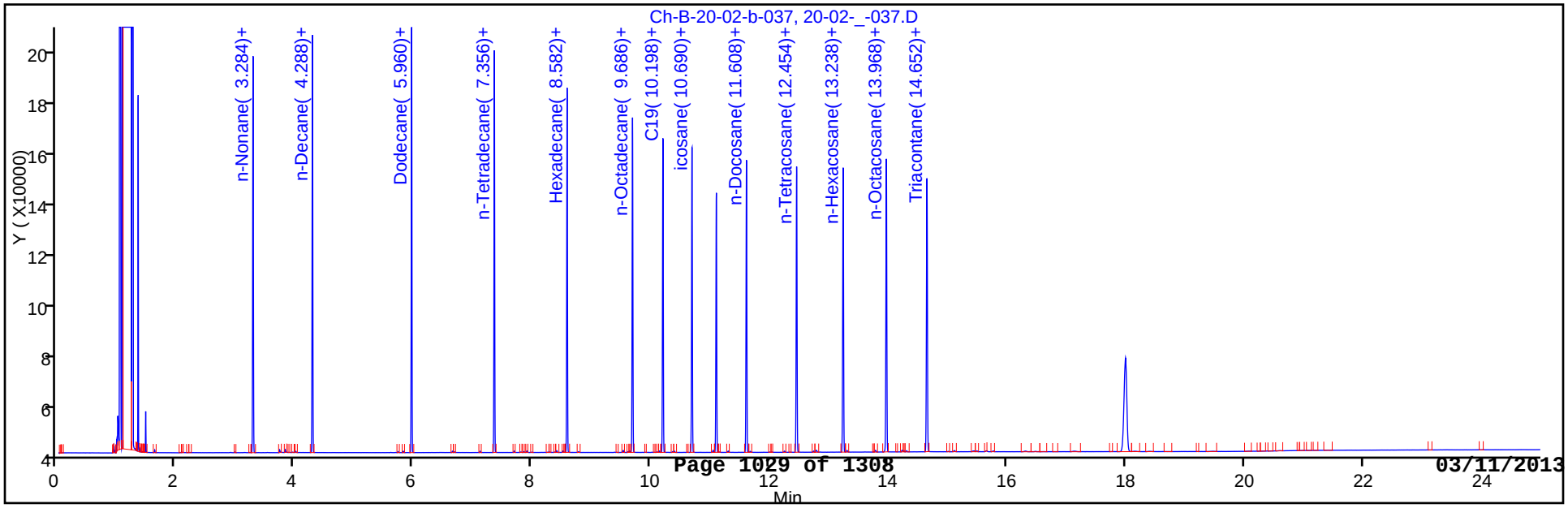
TestAmerica Buffalo

Data File:	\\BUFCHROM\ChromData\HP7890-20\20121017-15821.b\20-02-_-037.D		
Injection Date:	17-Oct-2012 19:07:35	Limit Group:	GC MAEPH ICAL
Client ID:		Instrument ID:	HP7890-20
Lims Batch ID:	86038	Lims Sample ID:	9
Operator ID:	tchrom	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\BUFCHROM\ChromData\HP7890-20\20121017-15821.b\20-02-_-038.D		
Lims ID:	std 200	Client ID:	
Inject. Date:	17-Oct-2012 19:37:02	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	9
Sample ID:	Name:		
Misc. Info.:	Study: Channel B: I/F Serial#, 2247570447		
Operator:	tchrom	Instrument ID:	HP7890-20
Injection Vol:	1.0 ul	ALS Bottle#:	0
Lims Batch ID:	86038	Lims Sample ID:	10
Sublist:	chrom-7890-EPH*sub7		
Detector 1 :	Ch-A-20-01-a-020		
Detector 2 :	Ch-B-20-01-b-020		
Method:	\\BUFCHROM\ChromData\HP7890-20\20121017-15821.b\7890-EPH.m		
Last Update:	07-Nov-2012 11:37:31	Calib Date:	17-Oct-2012 19:37:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\BUFCHROM\ChromData\HP7890-20\20121017-15821.b\20-02-_-038.D		
Limit Group:	GC MAEPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK011		

First Level Reviewer: bescod Date: 07-Nov-2012 11:37:31

Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
6 n-Nonane						
2	3.286	3.282	0.004	238118	202.7	
7 n-Decane						
2	4.290	4.284	0.006	241829	203.3	
8 Naphthalene						
1	5.824	5.820	0.004	233113	208.8	
9 Dodecane						
2	5.962	5.958	0.004	241958	203.1	
A 4 C9-C18 Aliphatics						
2	6.400	3.000 -	9.800	1412517	1191.2	
10 2-Methylnaphthalene						
1	6.654	6.648	0.006	238767	209.9	
$ 11 2-Fluorobiphenyl						
1	7.118	7.116	0.002	214379	210.5	
12 n-Tetradecane						
2	7.358	7.354	0.004	236593	200.7	
13 Acenaphthylene						
1	7.696	7.690	0.006	248474	209.7	
$ 14 2-Bromonaphthalene						
1	7.858	7.852	0.006	154160	211.3	
15 Acenaphthene						
1	7.910	7.902	0.008	251471	210.0	
16 Fluorene						
1	8.522	8.516	0.006	257302	211.4	
17 Hexadecane						
2	8.586	8.580	0.006	224853	199.6	

Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
18 Phenanthrene						
1	9.644	9.634	0.010	259653	207.6	
19 n-Octadecane						
2	9.688	9.684	0.004	214077	197.9	
20 Anthracene						
1	9.704	9.694	0.010	257634	207.6	
$ 21 o-Terphenyl						
1	10.144	10.138	0.006	256420	207.1	
22 C19						
2	10.202	10.198	0.004	207693	199.3	
A 5 C11-C22 Aromatics						
1	10.650	5.500 - 15.800		4364281	3373.8	
23 icosane						
2	10.692	10.688	0.004	206419	201.6	
24 Fluoranthene						
1	11.052	11.042	0.010	262956	202.0	
$ 25 1-Chlorooctadecane						
2	11.102	11.098	0.004	177378	206.1	
26 Pyrene						
1	11.306	11.296	0.010	263225	201.4	
27 n-Docosane						
2	11.612	11.606	0.006	206820	207.4	
28 n-Tetracosane						
2	12.458	12.452	0.006	214525	212.3	
29 Benzo[a]anthracene						
1	12.750	12.738	0.012	256896	202.2	
30 Chrysene						
1	12.792	12.778	0.014	248754	203.3	
31 n-Hexacosane						
2	13.242	13.238	0.004	222979	212.2	
32 Benzo[k]fluoranthene						
1	13.950	13.936	0.014	262926	204.5	
A 3 C19-C36 Aliphatics						
2	13.950	9.800 - 18.100		1757135	1505.5	
34 Benzo[b]fluoranthene						
1	13.984	13.966	0.018	260205	203.1	
33 n-Octacosane						
2	13.972	13.966	0.006	228450	211.1	
35 Benzo[a]pyrene						
1	14.274	14.260	0.014	258072	203.6	
36 Triacontane						
2	14.656	14.652	0.004	227385	202.8	
37 Indeno[1,2,3-cd]pyrene						
1	15.468	15.444	0.024	264170	210.5	
38 Dibenz(a,h)anthracene						
1	15.514	15.488	0.026	250086	200.8	
39 Benzo[g,h,i]perylene						
1	15.796	15.762	0.034	258876	204.8	

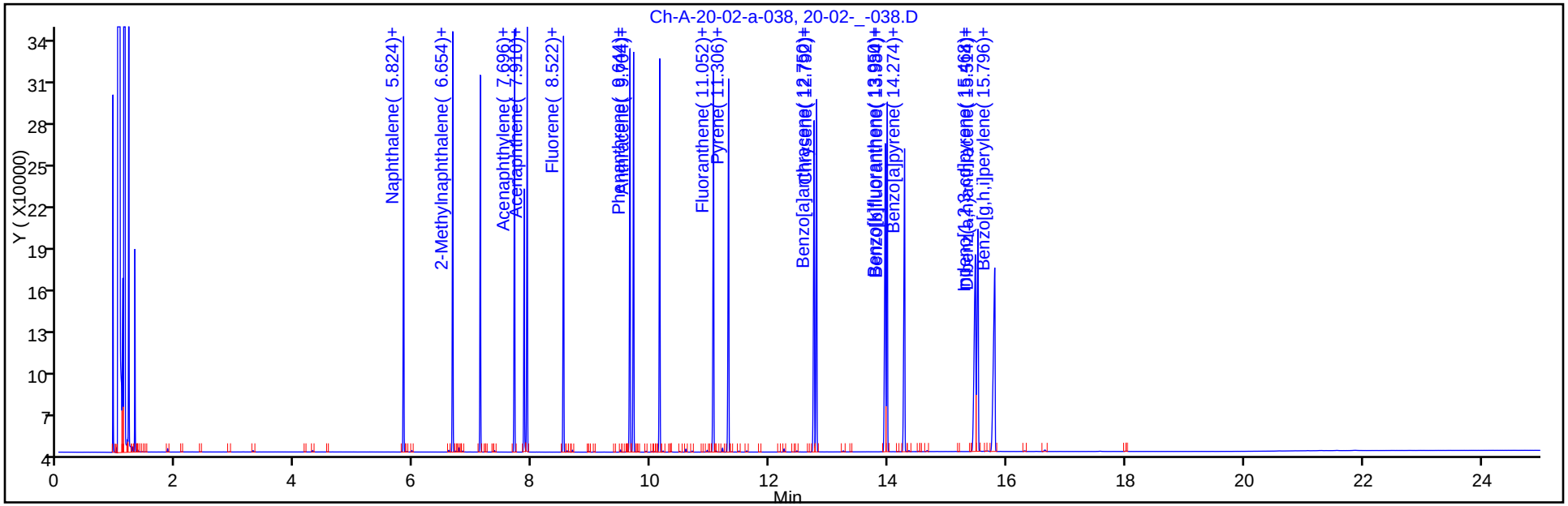
Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
E 40 n-Hexatriacontane						
2	18.014	17.996	0.018	227708	206.5	

Report Date: 07-Nov-2012 11:37:32 Chrom Revision: 2.0 22-Oct-2012 16:30:48

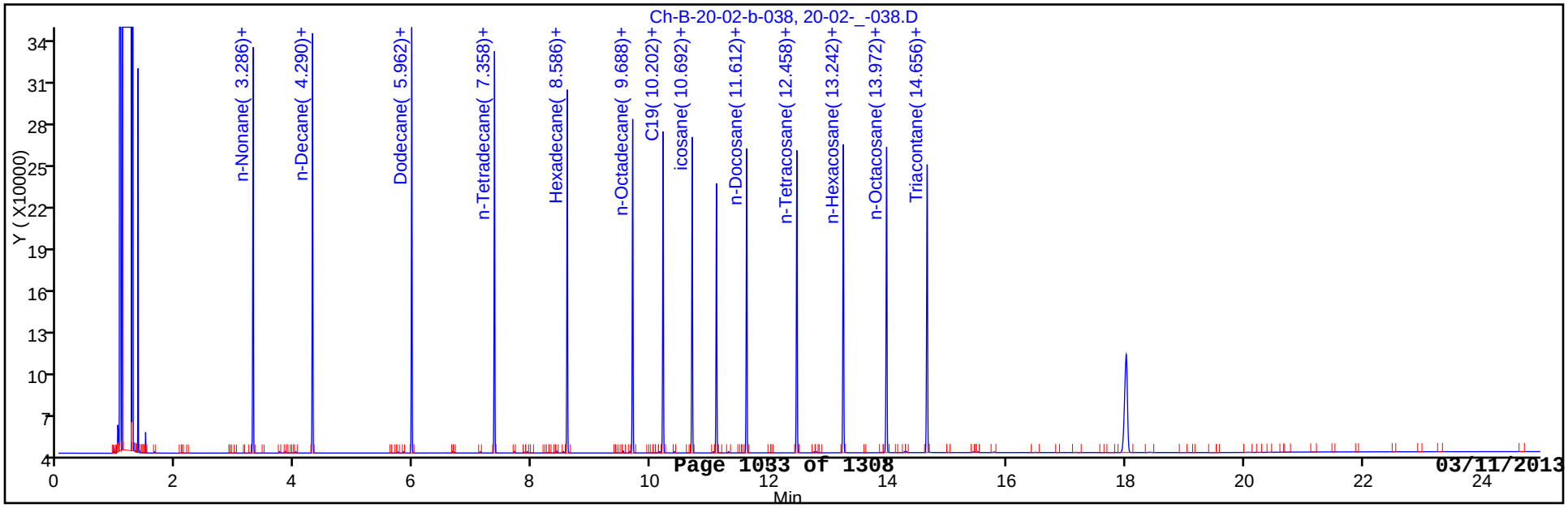
TestAmerica Buffalo

Data File:	\\BUFCHROM\ChromData\HP7890-20\20121017-15821.b\20-02-_-038.D		
Injection Date:	17-Oct-2012 19:37:02	Limit Group:	GC MAEPH ICAL
Client ID:		Instrument ID:	HP7890-20
Lims Batch ID:	86038	Lims Sample ID:	10
Operator ID:	tchrom	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



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

Lab Name: TestAmerica Buffalo Job No.: 480-30197-1 Analy Batch No.: 86038

SDG No.:

Instrument ID: HP7890-20 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/17/2012 16:40 Calibration End Date: 10/17/2012 19:37 Calibration ID: 11033

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 480-86038/4	20-02-_-032.D
Level 2	STD 480-86038/5	20-02-_-033.D
Level 3	STD 480-86038/6	20-02-_-034.D
Level 4	STD 480-86038/7	20-02-_-035.D
Level 5	STD 480-86038/8	20-02-_-036.D
Level 6	STD 480-86038/9	20-02-_-037.D
Level 7	STD 480-86038/10	20-02-_-038.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 7				RT WINDOW	AVG RT
n-Nonane	3.276	3.278	3.278	3.278	3.282	3.284	3.286				3.267 - 3.297	3.280
n-Decane	4.280	4.280	4.280	4.282	4.284	4.288	4.290				4.269 - 4.299	4.283
Dodecane	5.954	5.954	5.954	5.956	5.958	5.960	5.962				5.943 - 5.973	5.957
C9-C18 Aliphatics	6.400	6.400	6.400	6.400	6.400	6.400	6.400				3.000 - 9.800	6.400
n-Tetradecane	7.350	7.350	7.350	7.352	7.354	7.356	7.358				7.339 - 7.369	7.353
Hexadecane	8.578	8.578	8.578	8.580	8.580	8.582	8.586				8.565 - 8.595	8.580
n-Octadecane	9.682	9.682	9.682	9.684	9.684	9.686	9.688				9.669 - 9.699	9.684
C19	10.196	10.196	10.196	10.196	10.198	10.198	10.202				10.183 - 10.213	10.197
icosane	10.686	10.686	10.686	10.686	10.688	10.690	10.692				10.673 - 10.703	10.688
n-Docosane	11.606	11.604	11.606	11.606	11.606	11.608	11.612				11.591 - 11.621	11.607
n-Tetracosane	12.452	12.452	12.452	12.452	12.452	12.454	12.458				12.437 - 12.467	12.453
n-Hexacosane	13.236	13.236	13.236	13.236	13.238	13.238	13.242				13.223 - 13.253	13.237
C19-C36 Aliphatics	13.950	13.950	13.950	13.950	13.950	13.950	13.950				9.800 - 18.100	13.950
n-Octacosane	13.964	13.964	13.966	13.966	13.966	13.968	13.972				13.951 - 13.981	13.967
Triacontane	14.648	14.650	14.650	14.650	14.652	14.652	14.656				14.637 - 14.667	14.651
n-Hexatriacontane	17.994	17.992	17.994	17.996	17.996	18.002	18.014				17.976 - 18.016	17.998
1-Chlorooctadecane	11.098	11.096	11.098	11.098	11.098	11.100	11.102				11.083 - 11.113	11.099

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

Lab Name: TestAmerica Buffalo Job No.: 480-30197-1 Analy Batch No.: 86038

SDG No.:

Instrument ID: HP7890-20 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/17/2012 16:40 Calibration End Date: 10/17/2012 19:37 Calibration ID: 11033

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 480-86038/4	20-02-_-032.D
Level 2	STD 480-86038/5	20-02-_-033.D
Level 3	STD 480-86038/6	20-02-_-034.D
Level 4	STD 480-86038/7	20-02-_-035.D
Level 5	STD 480-86038/8	20-02-_-036.D
Level 6	STD 480-86038/9	20-02-_-037.D
Level 7	STD 480-86038/10	20-02-_-038.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3 LVL 7	LVL 4		B	M1	M2								
n-Nonane	1039.0 1229.9	1191.8 1222.5	1189.3 1190.6	1160.7	Ave		1174.82571				5.5		25.0			
n-Decane	1040.0 1254.6	1211.4 1236.6	1200.3 1209.1	1176.4	Ave		1189.76786				5.9		25.0			
Dodecane	1036.0 1259.9	1214.4 1235.9	1204.6 1209.8	1180.6	Ave		1191.60571				6.1		25.0			
C9-C18 Aliphatics	1017.3 1241.9	1239.8 1208.7	1232.2 1177.1	1183.7	Ave		1185.81750				6.6		25.0			
n-Tetradecane	1046.0 1247.5	1207.4 1214.2	1180.7 1183.0	1171.5	Ave		1178.59929				5.4		25.0			
Hexadecane	966.00 1198.1	1169.4 1157.6	1135.5 1124.3	1136.6	Ave		1126.77786				6.7		25.0			
n-Octadecane	977.00 1143.5	1118.4 1096.0	1079.1 1070.4	1087.8	Ave		1081.72500				4.8		25.0			
C19	931.00 1103.2	1074.2 1057.4	1038.5 1038.5	1053.8	Ave		1042.36786				5.2		25.0			
icosane	907.00 1084.3	1052.2 1039.7	1013.5 1032.1	1036.8	Ave		1023.66071				5.5		25.0			
n-Docosane	874.00 1055.8	1022.8 1016.6	972.90 1034.1	1005.4	Ave		997.365714				6.0		25.0			
n-Tetracosane	869.00 1069.1	1029.8 1038.3	974.90 1072.6	1020.8	Ave		1010.64643				7.0		25.0			
n-Hexacosane	911.00 1112.0	1069.6 1079.7	1006.1 1114.9	1061.3	Ave		1050.65929				6.8		25.0			
C19-C36 Aliphatics	1334.3 1112.6	1169.2 1092.4	1226.7 1098.2	1136.8	Ave		1167.17009				7.5		25.0			
n-Octacosane	936.00 1148.8	1108.8 1114.4	1031.1 1142.3	1094.0	Ave		1082.19857				6.9		25.0			

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

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

Lab Name: TestAmerica Buffalo Job No.: 480-30197-1 Analy Batch No.: 86038

SDG No.:

Instrument ID: HP7890-20 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/17/2012 16:40 Calibration End Date: 10/17/2012 19:37 Calibration ID: 11033

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								
Triacontane	966.00 1155.3	1117.8 1126.8	1190.4 1136.9	1155.4	Ave		1121.22500				6.5		25.0			
n-Hexatriacontane	1055.0 1110.6	1097.0 1128.1	1076.2 1138.5	1114.3	Ave		1102.82857				2.7		25.0			
1-Chlorooctadecane	749.00 908.62	870.00 883.48	851.20 886.89	874.28	Ave		860.495714				6.1		25.0			

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

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

Lab Name: TestAmerica Buffalo Job No.: 480-30197-1 Analy Batch No.: 86038

SDG No.:

Instrument ID: HP7890-20 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/17/2012 16:40 Calibration End Date: 10/17/2012 19:37 Calibration ID: 11033

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 480-86038/4	20-02-_-032.D
Level 2	STD 480-86038/5	20-02-_-033.D
Level 3	STD 480-86038/6	20-02-_-034.D
Level 4	STD 480-86038/7	20-02-_-035.D
Level 5	STD 480-86038/8	20-02-_-036.D
Level 6	STD 480-86038/9	20-02-_-037.D
Level 7	STD 480-86038/10	20-02-_-038.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
		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
n-Nonane	Ave	1039 122249	5959 238118	11893	29017	61496	1.00 100	5.00 200	10.0	25.0	50.0
n-Decane	Ave	1040 123659	6057 241829	12003	29409	62729	1.00 100	5.00 200	10.0	25.0	50.0
Dodecane	Ave	1036 123589	6072 241958	12046	29516	62996	1.00 100	5.00 200	10.0	25.0	50.0
C9-C18 Aliphatics	Ave	6104 725241	37195 1412517	73929	177554	372564	6.00 600	30.0 1200	60.0	150	300
n-Tetradecane	Ave	1046 121415	6037 236593	11807	29287	62375	1.00 100	5.00 200	10.0	25.0	50.0
Hexadecane	Ave	966 115758	5847 224853	11355	28416	59903	1.00 100	5.00 200	10.0	25.0	50.0
n-Octadecane	Ave	977 109597	5592 214077	10791	27194	57173	1.00 100	5.00 200	10.0	25.0	50.0
C19	Ave	931 105737	5371 207693	10385	26345	55162	1.00 100	5.00 200	10.0	25.0	50.0
icosane	Ave	907 103973	5261 206419	10135	25919	54217	1.00 100	5.00 200	10.0	25.0	50.0
n-Docosane	Ave	874 101658	5114 206820	9729	25134	52791	1.00 100	5.00 200	10.0	25.0	50.0
n-Tetracosane	Ave	869 103834	5149 214525	9749	25520	53453	1.00 100	5.00 200	10.0	25.0	50.0
n-Hexacosane	Ave	911 107974	5348 222979	10061	26533	55598	1.00 100	5.00 200	10.0	25.0	50.0
C19-C36 Aliphatics	Ave	10674 873959	46769 1757135	98134	227351	445051	8.00 800	40.0 1600	80.0	200	400
n-Octacosane	Ave	936 111444	5544 228450	10311	27350	57440	1.00 100	5.00 200	10.0	25.0	50.0
Triacontane	Ave	966 112679	5589 227385	11904	28884	57765	1.00 100	5.00 200	10.0	25.0	50.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-30197-1 Analy Batch No.: 86038

SDG No.:

Instrument ID: HP7890-20 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/17/2012 16:40 Calibration End Date: 10/17/2012 19:37 Calibration ID: 11033

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
		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
n-Hexatriacontane	Ave	1055 112814	5485 227708	10762	27858	55530	1.00 100	5.00 200	10.0	25.0	50.0
1-Chlorooctadecane	Ave	749 88348	4350 177378	8512	21857	45431	1.00 100	5.00 200	10.0	25.0	50.0

Curve Type Legend:
Ave = Average

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\BUFCHROM\ChromData\HP7890-20\20121017-15821.b\20-02-_-032.D		
Lims ID:	std 1.0	Client ID:	
Inject. Date:	17-Oct-2012 16:40:13	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	3
Sample ID:	Name:		
Misc. Info.:	Study: Channel B: I/F Serial#, 2247570447		
Operator:	tchrom	Instrument ID:	HP7890-20
Injection Vol:	1.0 ul	ALS Bottle#:	0
Lims Batch ID:	86038	Lims Sample ID:	4
Sublist:	chrom-7890-EPH*sub7		
Detector 1 :	Ch-A-20-01-a-020		
Detector 2 :	Ch-B-20-01-b-020		
Method:	\\BUFCHROM\ChromData\HP7890-20\20121017-15821.b\7890-EPH.m		
Last Update:	07-Nov-2012 11:37:03	Calib Date:	17-Oct-2012 19:37:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\BUFCHROM\ChromData\HP7890-20\20121017-15821.b\20-02-_-038.D		
Limit Group:	GC MAEPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK011		

First Level Reviewer: bescod Date: 07-Nov-2012 11:37:03

Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
6 n-Nonane						
2	3.276	3.282	-0.006	1039	0.8844	
7 n-Decane						
2	4.280	4.284	-0.004	1040	0.8741	
8 Naphthalene						
1	5.820	5.820	0.000	988	0.8849	
9 Dodecane						
2	5.954	5.958	-0.004	1036	0.8694	
A 4 C9-C18 Aliphatics						
2	6.400	3.000 -	9.800	6104	5.15	
10 2-Methylnaphthalene						
1	6.648	6.648	0.000	997	0.8764	
$ 11 2-Fluorobiphenyl						
1	7.114	7.116	-0.002	896	0.8799	
12 n-Tetradecane						
2	7.350	7.354	-0.004	1046	0.8875	
13 Acenaphthylene						
1	7.688	7.690	-0.002	1071	0.9038	
$ 14 2-Bromonaphthalene						
1	7.852	7.852	0.000	647	0.8869	
15 Acenaphthene						
1	7.902	7.902	0.000	1056	0.8819	
16 Fluorene						
1	8.514	8.516	-0.002	1039	0.8535	
17 Hexadecane						
2	8.578	8.580	-0.002	966	0.8573	

Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
18 Phenanthrene						
1	9.632	9.634	-0.002	1119	0.8948	
19 n-Octadecane						
2	9.682	9.684	-0.002	977	0.9032	
20 Anthracene						
1	9.692	9.694	-0.002	1092	0.8800	
$ 21 o-Terphenyl						
1	10.138	10.138	0.000	1085	0.8765	
22 C19						
2	10.196	10.198	-0.002	931	0.8932	
A 5 C11-C22 Aromatics						
1	10.650	5.500 - 15.800		23897	18.5	
23 icosane						
2	10.686	10.688	-0.002	907	0.8860	
24 Fluoranthene						
1	11.038	11.042	-0.004	1184	0.9097	
$ 25 1-Chlorooctadecane						
2	11.098	11.098	0.000	749	0.8704	
26 Pyrene						
1	11.294	11.296	-0.002	1196	0.9151	
27 n-Docosane						
2	11.606	11.606	0.000	874	0.8763	
28 n-Tetracosane						
2	12.452	12.452	0.000	869	0.8598	
29 Benzo[a]anthracene						
1	12.734	12.738	-0.004	1140	0.8972	
30 Chrysene						
1	12.774	12.778	-0.004	1071	0.8754	
31 n-Hexacosane						
2	13.236	13.238	-0.002	911	0.8671	
32 Benzo[k]fluoranthene						
1	13.930	13.936	-0.006	1170	0.9100	
A 3 C19-C36 Aliphatics						
2	13.950	9.800 - 18.100		10674	9.15	
34 Benzo[b]fluoranthene						
1	13.958	13.966	-0.008	1167	0.9107	
33 n-Octacosane						
2	13.964	13.966	-0.002	936	0.8649	
35 Benzo[a]pyrene						
1	14.252	14.260	-0.008	1177	0.9286	
36 Triacontane						
2	14.648	14.652	-0.004	966	0.8616	
37 Indeno[1,2,3-cd]pyrene						
1	15.430	15.444	-0.014	1091	0.8692	
38 Dibenz(a,h)anthracene						
1	15.476	15.488	-0.012	1136	0.9121	
39 Benzo[g,h,i]perylene						
1	15.744	15.762	-0.018	1135	0.8978	

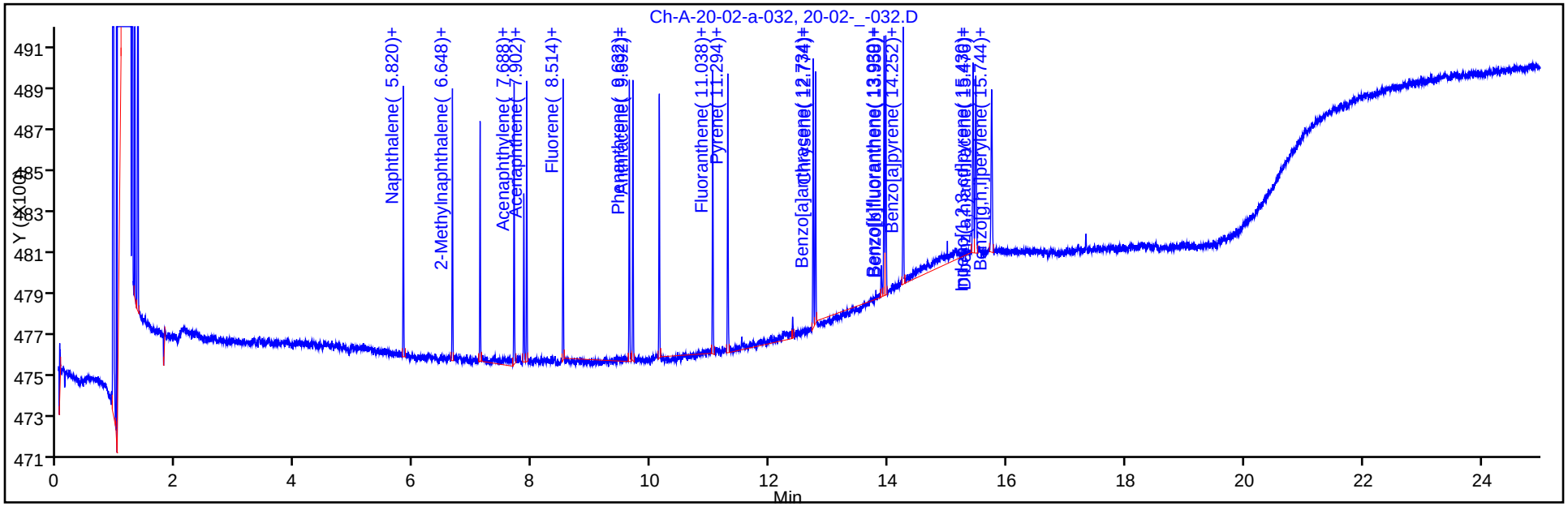
Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
E 40 n-Hexatriacontane						
2	17.994	17.996	-0.002	1055	0.9566	

Report Date: 07-Nov-2012 11:37:04 Chrom Revision: 2.0 22-Oct-2012 16:30:48

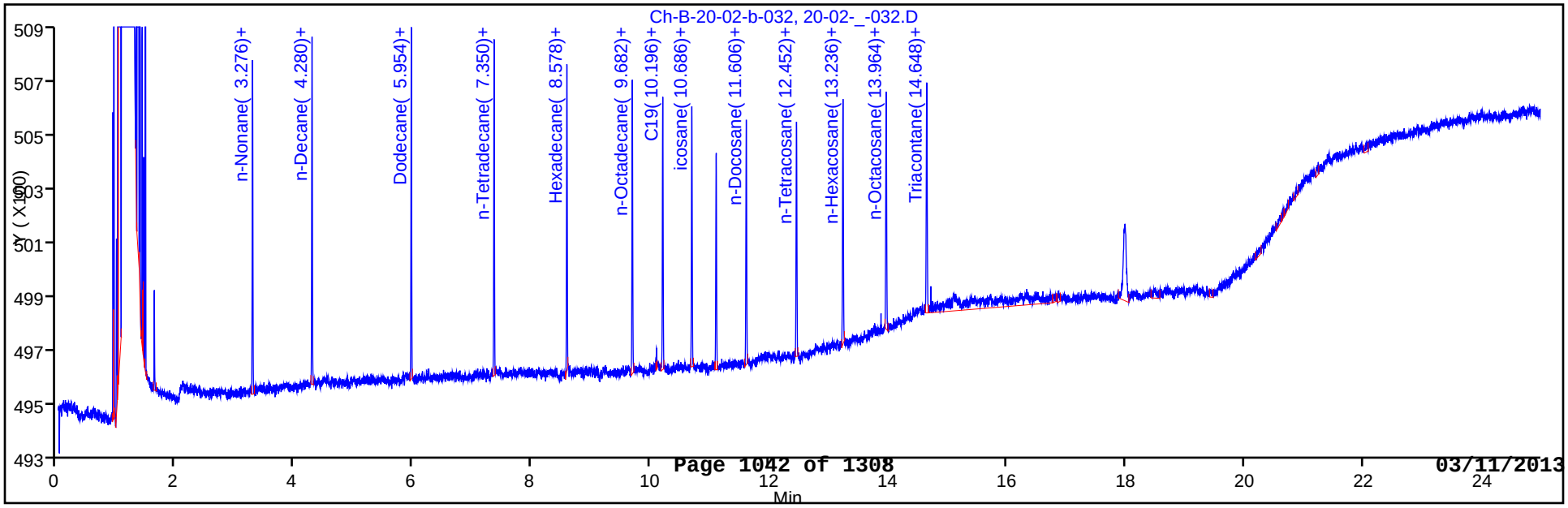
TestAmerica Buffalo

Data File:	\\BUFCHROM\ChromData\HP7890-20\20121017-15821.b\20-02-_-032.D		
Injection Date:	17-Oct-2012 16:40:13	Limit Group:	GC MAEPH ICAL
Client ID:		Instrument ID:	HP7890-20
Lims Batch ID:	86038	Lims Sample ID:	4
Operator ID:	tchrom	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\BUFCHROM\ChromData\HP7890-20\20121017-15821.b\20-02-_-033.D		
Lims ID:	std 5.0	Client ID:	
Inject. Date:	17-Oct-2012 17:09:37	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	Name:		
Misc. Info.:	Study: Channel B: I/F Serial#, 2247570447		
Operator:	tchrom	Instrument ID:	HP7890-20
Injection Vol:	1.0 ul	ALS Bottle#:	0
Lims Batch ID:	86038	Lims Sample ID:	5
Sublist:	chrom-7890-EPH*sub7		
Detector 1 :	Ch-A-20-01-a-020		
Detector 2 :	Ch-B-20-01-b-020		
Method:	\\BUFCHROM\ChromData\HP7890-20\20121017-15821.b\7890-EPH.m		
Last Update:	07-Nov-2012 11:37:08	Calib Date:	17-Oct-2012 19:37:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\BUFCHROM\ChromData\HP7890-20\20121017-15821.b\20-02-_-038.D		
Limit Group:	GC MAEPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK011		

First Level Reviewer: bescod Date: 07-Nov-2012 11:37:08

Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
6 n-Nonane						
2	3.278	3.282	-0.004	5959	5.07	
7 n-Decane						
2	4.280	4.284	-0.004	6057	5.09	
8 Naphthalene						
1	5.820	5.820	0.000	5767	5.17	
9 Dodecane						
2	5.954	5.958	-0.004	6072	5.10	
A 4 C9-C18 Aliphatics						
2	6.400	3.000 -	9.800	37195	31.4	
10 2-Methylnaphthalene						
1	6.648	6.648	0.000	5830	5.12	
$ 11 2-Fluorobiphenyl						
1	7.114	7.116	-0.002	5163	5.07	
12 n-Tetradecane						
2	7.350	7.354	-0.004	6037	5.12	
13 Acenaphthylene						
1	7.688	7.690	-0.002	6036	5.09	
$ 14 2-Bromonaphthalene						
1	7.852	7.852	0.000	3706	5.08	
15 Acenaphthene						
1	7.900	7.902	-0.002	6112	5.10	
16 Fluorene						
1	8.514	8.516	-0.002	6238	5.12	
17 Hexadecane						
2	8.578	8.580	-0.002	5847	5.19	

Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
18 Phenanthrene						
1	9.632	9.634	-0.002	6376	5.10	
19 n-Octadecane						
2	9.682	9.684	-0.002	5592	5.17	
20 Anthracene						
1	9.692	9.694	-0.002	6350	5.12	
$ 21 o-Terphenyl						
1	10.136	10.138	-0.002	6417	5.18	
22 C19						
2	10.196	10.198	-0.002	5371	5.15	
A 5 C11-C22 Aromatics						
1	10.650	5.500 - 15.800		112604	87.0	
23 icosane						
2	10.686	10.688	-0.002	5261	5.14	
24 Fluoranthene						
1	11.038	11.042	-0.004	6758	5.19	
$ 25 1-Chlorooctadecane						
2	11.096	11.098	-0.002	4350	5.06	
26 Pyrene						
1	11.292	11.296	-0.004	6829	5.23	
27 n-Docosane						
2	11.604	11.606	-0.002	5114	5.13	
28 n-Tetracosane						
2	12.452	12.452	0.000	5149	5.09	
29 Benzo[a]anthracene						
1	12.734	12.738	-0.004	6746	5.31	
30 Chrysene						
1	12.772	12.778	-0.006	6511	5.32	
31 n-Hexacosane						
2	13.236	13.238	-0.002	5348	5.09	
32 Benzo[k]fluoranthene						
1	13.930	13.936	-0.006	6738	5.24	
A 3 C19-C36 Aliphatics						
2	13.950	9.800 - 18.100		46769	40.1	
34 Benzo[b]fluoranthene						
1	13.958	13.966	-0.008	6767	5.28	
33 n-Octacosane						
2	13.964	13.966	-0.002	5544	5.12	
35 Benzo[a]pyrene						
1	14.252	14.260	-0.008	6617	5.22	
36 Triacontane						
2	14.650	14.652	-0.002	5589	4.98	
37 Indeno[1,2,3-cd]pyrene						
1	15.432	15.444	-0.012	6547	5.22	
38 Dibenz(a,h)anthracene						
1	15.478	15.488	-0.010	6495	5.21	
39 Benzo[g,h,i]perylene						
1	15.746	15.762	-0.016	6632	5.25	

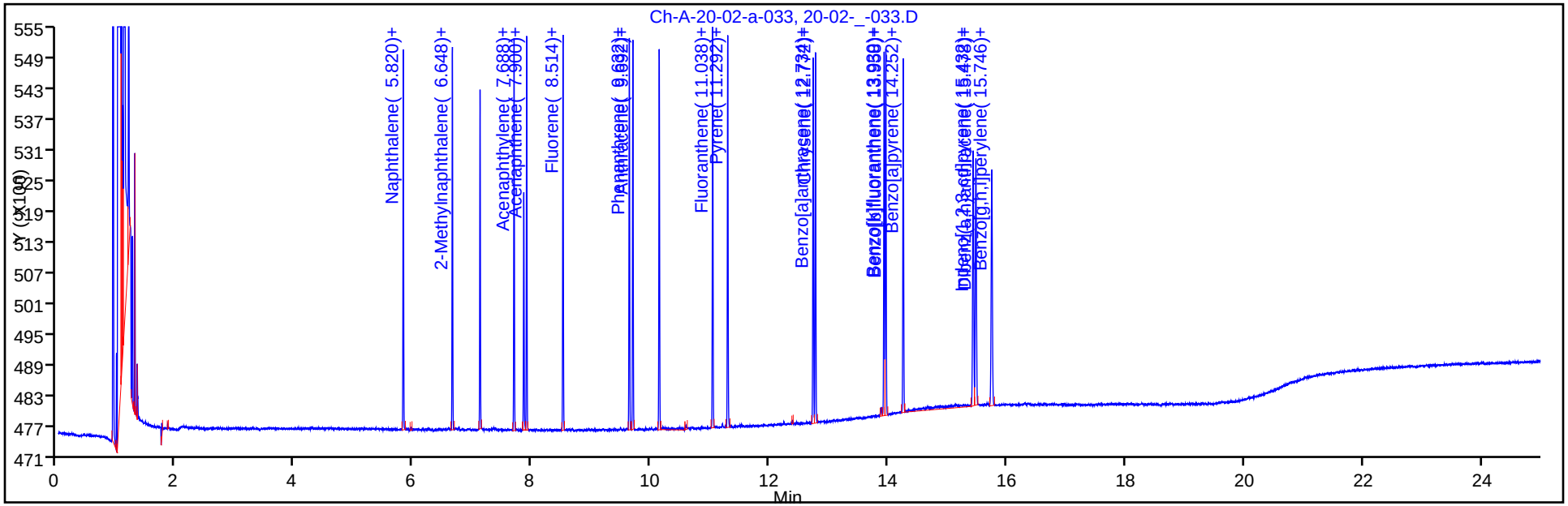
Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
E 40 n-Hexatriacontane						
2	17.992	17.996	-0.004	5485	4.97	

Report Date: 07-Nov-2012 11:37:09 Chrom Revision: 2.0 22-Oct-2012 16:30:48

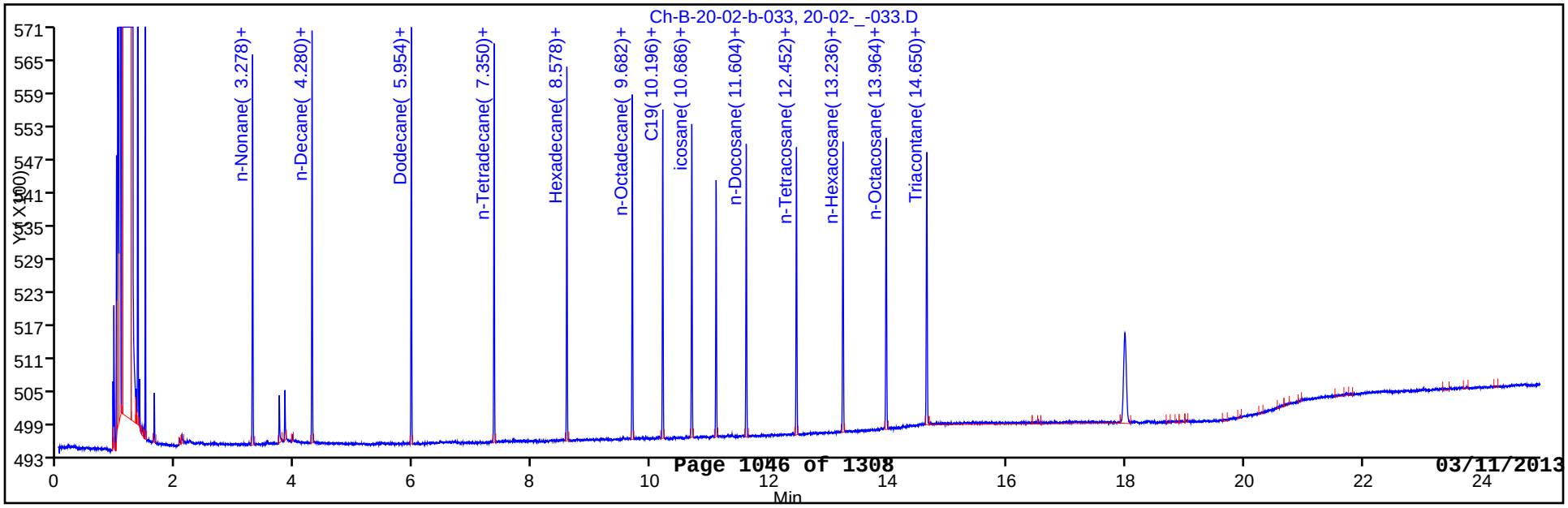
TestAmerica Buffalo

Data File:	\\BUFCHROM\ChromData\HP7890-20\20121017-15821.b\20-02-_-033.D		
Injection Date:	17-Oct-2012 17:09:37	Limit Group:	GC MAEPH ICAL
Client ID:		Instrument ID:	HP7890-20
Lims Batch ID:	86038	Lims Sample ID:	5
Operator ID:	tchrom	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\BUFCHROM\ChromData\HP7890-20\20121017-15821.b\20-02-_-034.D		
Lims ID:	std 10	Client ID:	
Inject. Date:	17-Oct-2012 17:39:06	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	Name:		
Misc. Info.:	Study: Channel B: I/F Serial#, 2247570447		
Operator:	tchrom	Instrument ID:	HP7890-20
Injection Vol:	1.0 ul	ALS Bottle#:	0
Lims Batch ID:	86038	Lims Sample ID:	6
Sublist:	chrom-7890-EPH*sub7		
Detector 1 :	Ch-A-20-01-a-020		
Detector 2 :	Ch-B-20-01-b-020		
Method:	\\BUFCHROM\ChromData\HP7890-20\20121017-15821.b\7890-EPH.m		
Last Update:	07-Nov-2012 11:37:12	Calib Date:	17-Oct-2012 19:37:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\BUFCHROM\ChromData\HP7890-20\20121017-15821.b\20-02-_-038.D		
Limit Group:	GC MAEPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK011		

First Level Reviewer: bescod Date: 07-Nov-2012 11:37:12

Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
6 n-Nonane						
2	3.278	3.282	-0.004	11893	10.1	
7 n-Decane						
2	4.280	4.284	-0.004	12003	10.1	
8 Naphthalene						
1	5.820	5.820	0.000	10645	9.53	
9 Dodecane						
2	5.954	5.958	-0.004	12046	10.1	
A 4 C9-C18 Aliphatics						
2	6.400	3.000 -	9.800	73929	62.3	
10 2-Methylnaphthalene						
1	6.648	6.648	0.000	10840	9.53	
$ 11 2-Fluorobiphenyl						
1	7.114	7.116	-0.002	9727	9.55	
12 n-Tetradecane						
2	7.350	7.354	-0.004	11807	10.0	
13 Acenaphthylene						
1	7.688	7.690	-0.002	11170	9.43	
$ 14 2-Bromonaphthalene						
1	7.852	7.852	0.000	6905	9.47	
15 Acenaphthene						
1	7.900	7.902	-0.002	11363	9.49	
16 Fluorene						
1	8.514	8.516	-0.002	11536	9.48	
17 Hexadecane						
2	8.578	8.580	-0.002	11355	10.1	

Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
18 Phenanthrene						
1	9.632	9.634	-0.002	11832	9.46	
19 n-Octadecane						
2	9.682	9.684	-0.002	10791	9.98	
20 Anthracene						
1	9.692	9.694	-0.002	11778	9.49	
$ 21 o-Terphenyl						
1	10.136	10.138	-0.002	11740	9.48	
22 C19						
2	10.196	10.198	-0.002	10385	9.96	
A 5 C11-C22 Aromatics						
1	10.650	5.500 - 15.800		204791	158.3	
23 icosane						
2	10.686	10.688	-0.002	10135	9.90	
24 Fluoranthene						
1	11.038	11.042	-0.004	12521	9.62	
$ 25 1-Chlorooctadecane						
2	11.098	11.098	0.000	8512	9.89	
26 Pyrene						
1	11.292	11.296	-0.004	12596	9.64	
27 n-Docosane						
2	11.606	11.606	0.000	9729	9.75	
28 n-Tetracosane						
2	12.452	12.452	0.000	9749	9.65	
29 Benzo[a]anthracene						
1	12.734	12.738	-0.004	12362	9.73	
30 Chrysene						
1	12.772	12.778	-0.006	11935	9.76	
31 n-Hexacosane						
2	13.236	13.238	-0.002	10061	9.58	
32 Benzo[k]fluoranthene						
1	13.930	13.936	-0.006	12503	9.72	
A 3 C19-C36 Aliphatics						
2	13.950	9.800 - 18.100		98134	84.1	
34 Benzo[b]fluoranthene						
1	13.960	13.966	-0.006	12291	9.59	
33 n-Octacosane						
2	13.966	13.966	0.000	10311	9.53	
35 Benzo[a]pyrene						
1	14.254	14.260	-0.006	12255	9.67	
36 Triacontane						
2	14.650	14.652	-0.002	11904	10.6	
37 Indeno[1,2,3-cd]pyrene						
1	15.434	15.444	-0.010	12057	9.61	
38 Dibenz(a,h)anthracene						
1	15.478	15.488	-0.010	12076	9.70	
39 Benzo[g,h,i]perylene						
1	15.746	15.762	-0.016	12186	9.64	

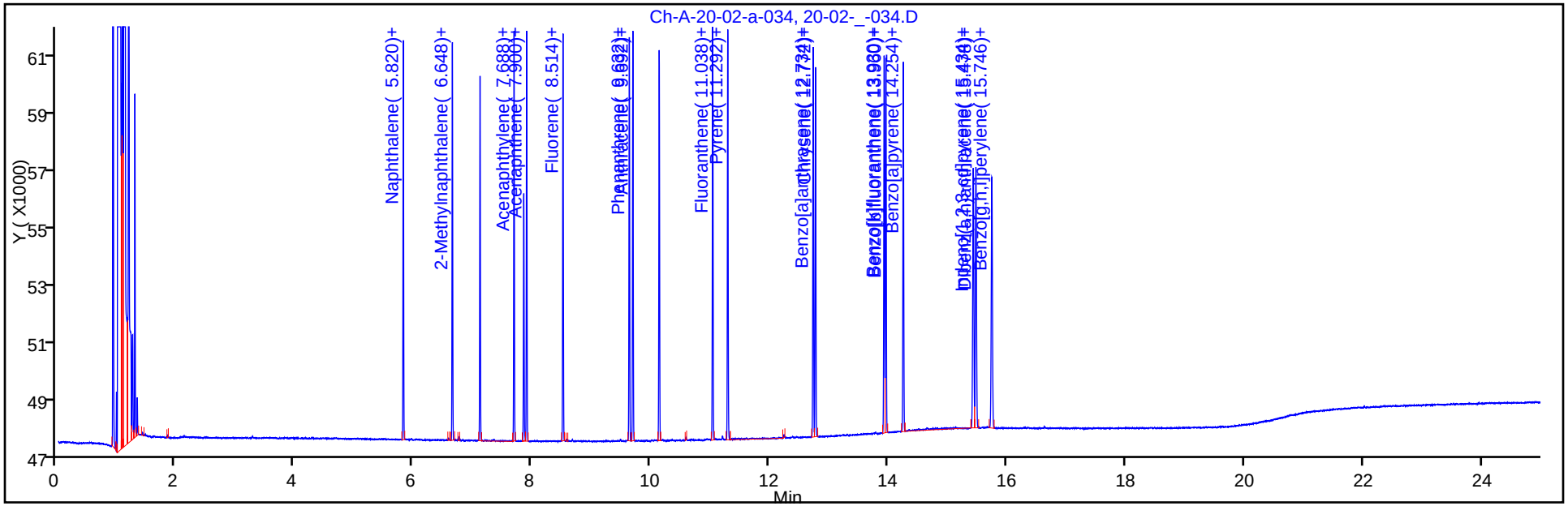
Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
E 40 n-Hexatriacontane						
2	17.994	17.996	-0.002	10762	9.76	

Report Date: 07-Nov-2012 11:37:13 Chrom Revision: 2.0 22-Oct-2012 16:30:48

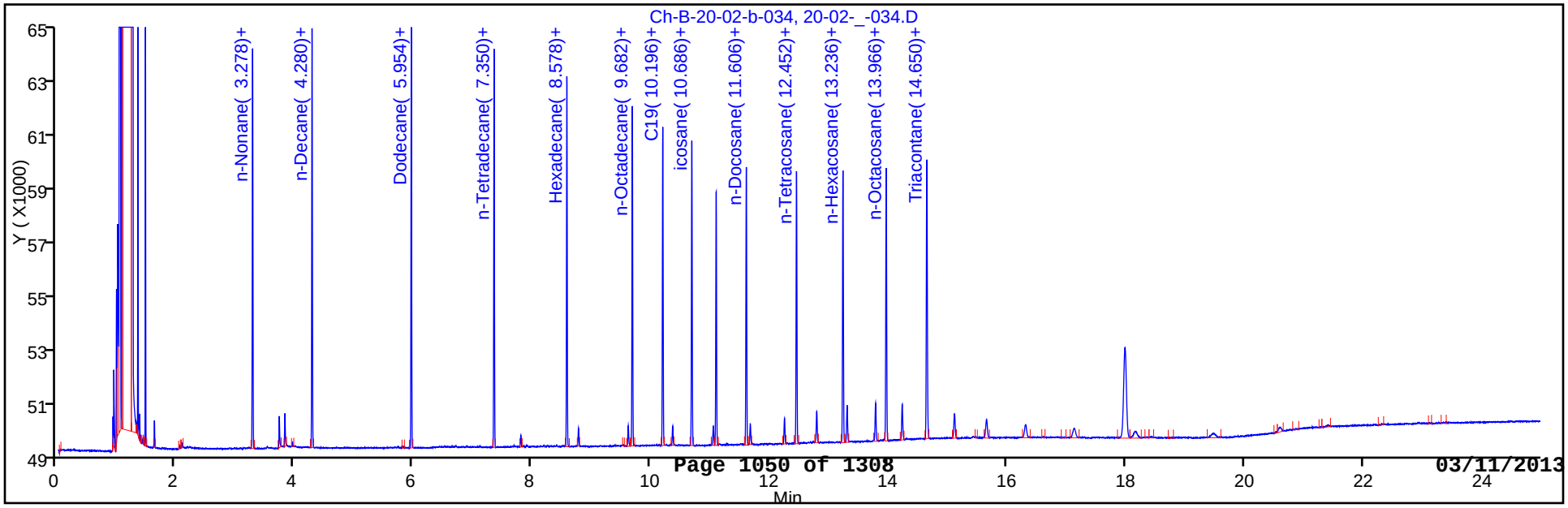
TestAmerica Buffalo

Data File:	\\BUFCHROM\ChromData\HP7890-20\20121017-15821.b\20-02-_-034.D		
Injection Date:	17-Oct-2012 17:39:06	Limit Group:	GC MAEPH ICAL
Client ID:		Instrument ID:	HP7890-20
Lims Batch ID:	86038	Lims Sample ID:	6
Operator ID:	tchrom	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\BUFCHROM\ChromData\HP7890-20\20121017-15821.b\20-02-_-035.D		
Lims ID:	std 25	Client ID:	
Inject. Date:	17-Oct-2012 18:08:33	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	6
Sample ID:	Name:		
Misc. Info.:	Study: Channel B: I/F Serial#, 2247570447		
Operator:	tchrom	Instrument ID:	HP7890-20
Injection Vol:	1.0 ul	ALS Bottle#:	0
Lims Batch ID:	86038	Lims Sample ID:	7
Sublist:	chrom-7890-EPH*sub7		
Detector 1 :	Ch-A-20-01-a-020		
Detector 2 :	Ch-B-20-01-b-020		
Method:	\\BUFCHROM\ChromData\HP7890-20\20121017-15821.b\7890-EPH.m		
Last Update:	07-Nov-2012 11:37:16	Calib Date:	17-Oct-2012 19:37:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\BUFCHROM\ChromData\HP7890-20\20121017-15821.b\20-02-_-038.D		
Limit Group:	GC MAEPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK011		

First Level Reviewer: bescod Date: 07-Nov-2012 11:37:16

Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
6 n-Nonane						
2	3.278	3.282	-0.004	29017	24.7	
7 n-Decane						
2	4.282	4.284	-0.002	29409	24.7	
8 Naphthalene						
1	5.820	5.820	0.000	27873	25.0	
9 Dodecane						
2	5.956	5.958	-0.002	29516	24.8	
A 4 C9-C18 Aliphatics						M
2	6.400	3.000 -	9.800	177554	149.7	M
10 2-Methylnaphthalene						
1	6.648	6.648	0.000	28468	25.0	
$ 11 2-Fluorobiphenyl						
1	7.114	7.116	-0.002	25511	25.1	
12 n-Tetradecane						
2	7.352	7.354	-0.002	29287	24.8	
13 Acenaphthylene						
1	7.688	7.690	-0.002	29504	24.9	
$ 14 2-Bromonaphthalene						
1	7.852	7.852	0.000	18173	24.9	
15 Acenaphthene						
1	7.900	7.902	-0.002	29970	25.0	
16 Fluorene						
1	8.514	8.516	-0.002	30607	25.1	
17 Hexadecane						
2	8.580	8.580	0.000	28416	25.2	

Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
18 Phenanthrene						
1	9.634	9.634	0.000	31407	25.1	
19 n-Octadecane						M
2	9.684	9.684	0.000	27194	25.1	M
20 Anthracene						
1	9.692	9.694	-0.002	31255	25.2	
$ 21 o-Terphenyl						
1	10.138	10.138	0.000	31178	25.2	
22 C19						
2	10.196	10.198	-0.002	26345	25.3	
A 5 C11-C22 Aromatics						
1	10.650	5.500 - 15.800		532073	411.3	
23 icosane						
2	10.686	10.688	-0.002	25919	25.3	
24 Fluoranthene						
1	11.040	11.042	-0.002	32875	25.3	
$ 25 1-Chlorooctadecane						
2	11.098	11.098	0.000	21857	25.4	
26 Pyrene						
1	11.294	11.296	-0.002	32995	25.2	
27 n-Docosane						
2	11.606	11.606	0.000	25134	25.2	
28 n-Tetracosane						
2	12.452	12.452	0.000	25520	25.3	
29 Benzo[a]anthracene						
1	12.736	12.738	-0.002	32067	25.2	
30 Chrysene						
1	12.776	12.778	-0.002	30996	25.3	
31 n-Hexacosane						
2	13.236	13.238	-0.002	26533	25.3	
32 Benzo[k]fluoranthene						
1	13.934	13.936	-0.002	32371	25.2	
A 3 C19-C36 Aliphatics						
2	13.950	9.800 - 18.100		227351	194.8	
34 Benzo[b]fluoranthene						
1	13.964	13.966	-0.002	32207	25.1	
33 n-Octacosane						
2	13.966	13.966	0.000	27350	25.3	
35 Benzo[a]pyrene						
1	14.256	14.260	-0.004	31713	25.0	
36 Triacontane						
2	14.650	14.652	-0.002	28884	25.8	
37 Indeno[1,2,3-cd]pyrene						
1	15.438	15.444	-0.006	31502	25.1	
38 Dibenz(a,h)anthracene						
1	15.482	15.488	-0.006	31569	25.3	
39 Benzo[g,h,i]perylene						
1	15.754	15.762	-0.008	31827	25.2	

Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
E 40 n-Hexatriacontane						
2	17.996	17.996	0.000	27858	25.3	

QC Flag Legend

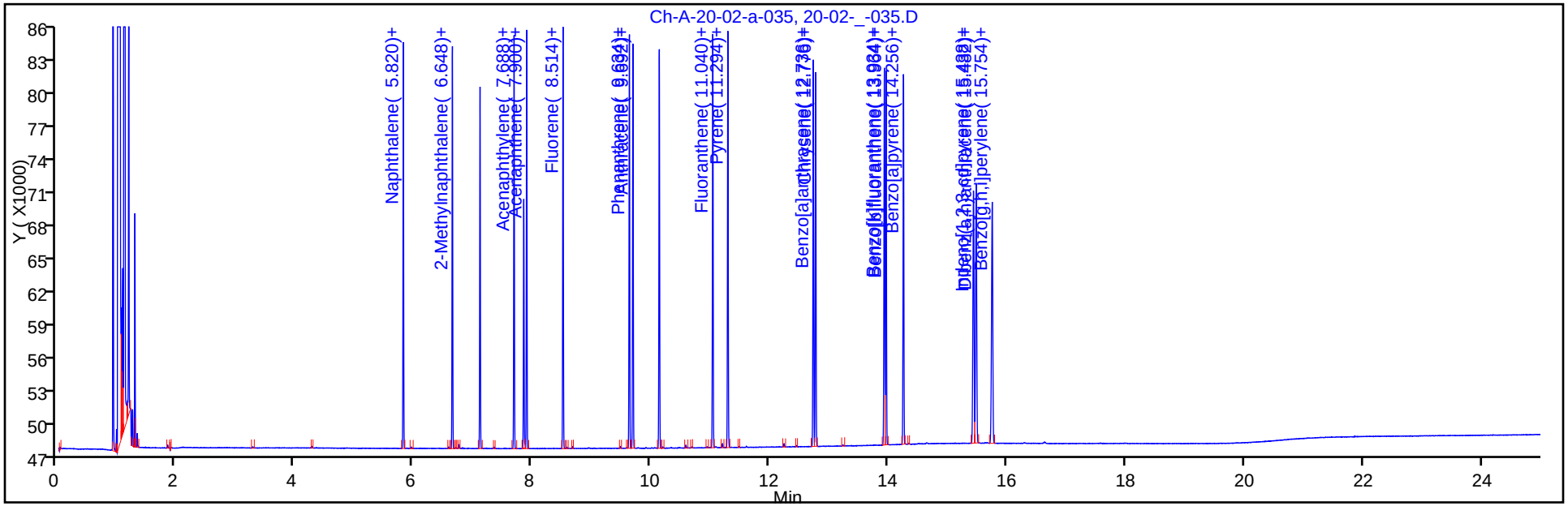
Review Flags
M - Manually Integrated

Report Date: 07-Nov-2012 11:37:16 Chrom Revision: 2.0 22-Oct-2012 16:30:48

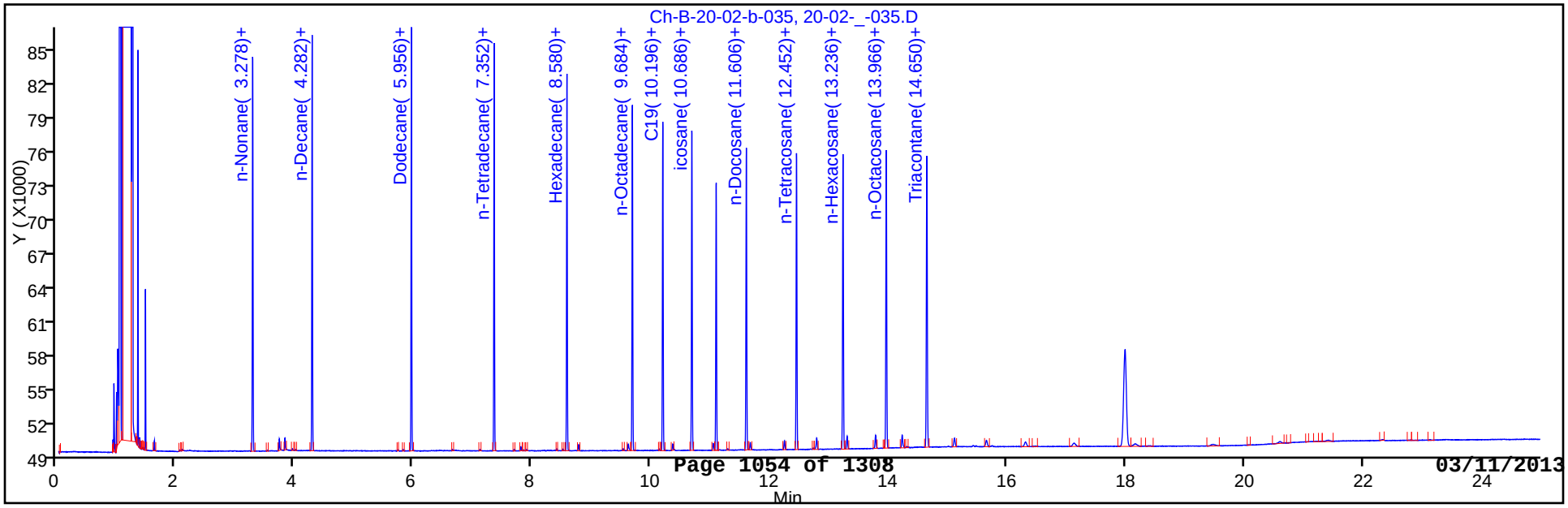
TestAmerica Buffalo

Data File:	\\BUFCHROM\ChromData\HP7890-20\20121017-15821.b\20-02-_-035.D		
Injection Date:	17-Oct-2012 18:08:33	Limit Group:	GC MAEPH ICAL
Client ID:		Instrument ID:	HP7890-20
Lims Batch ID:	86038	Lims Sample ID:	7
Operator ID:	tchrom	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



Report Date: 07-Nov-2012 11:37:17 Chrom Revision: 2.0 22-Oct-2012 16:30:48

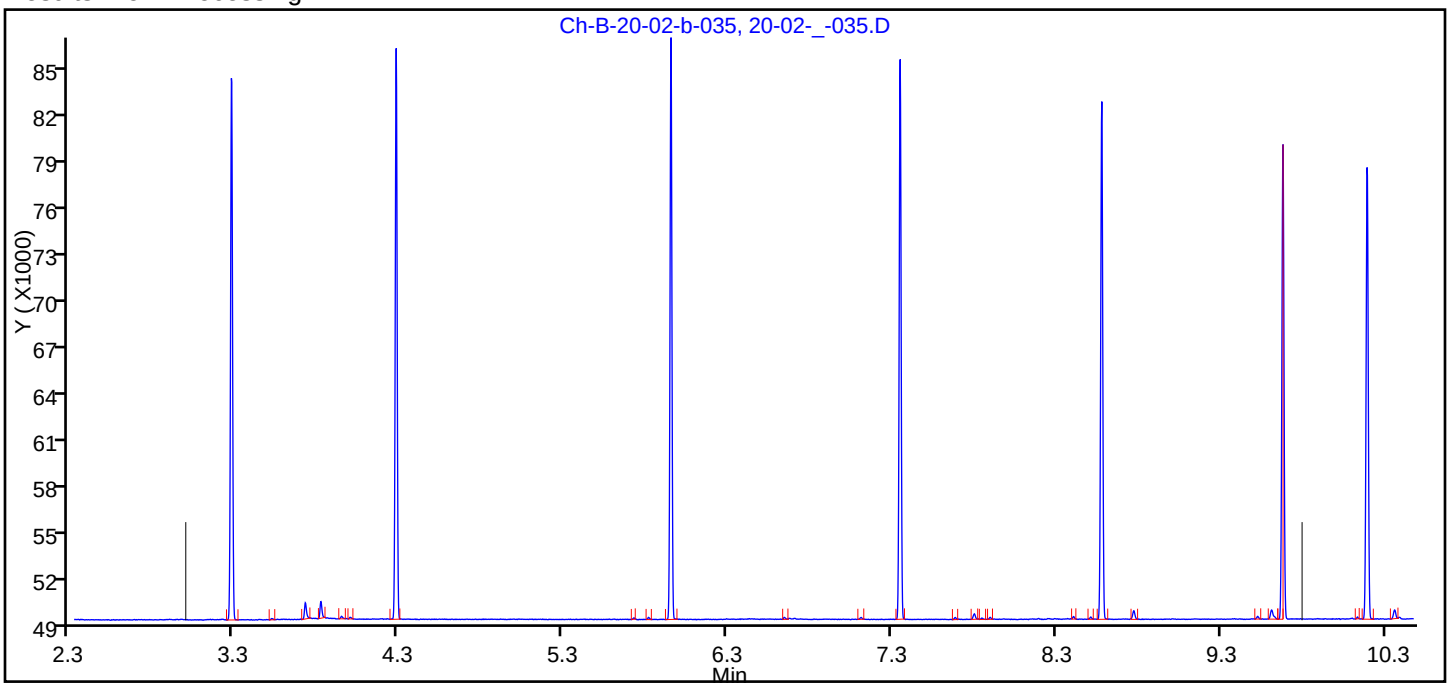
User Disabled Compound Report

TestAmerica Buffalo

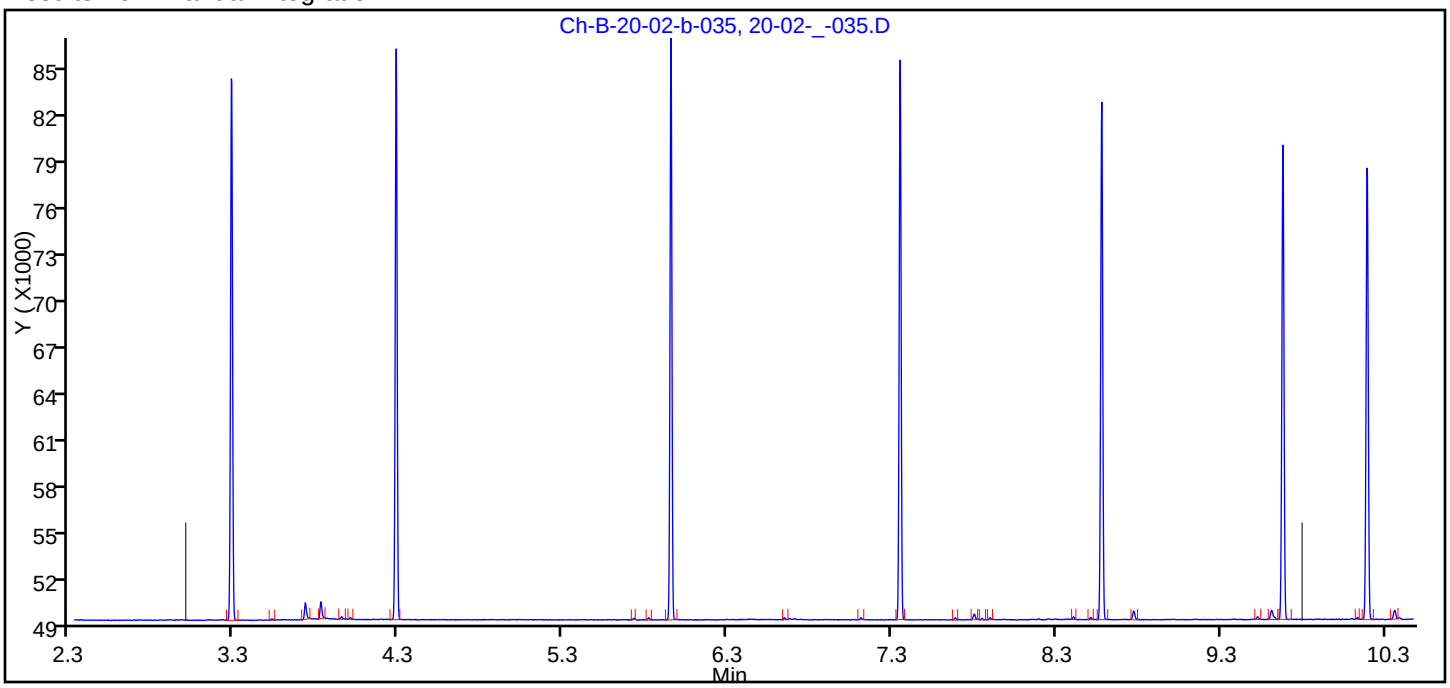
Data File:	\\BUFCHROM\ChromData\HP7890-20\20121017-15821.b\20-02-_-035.D		
Injection Date:	17-Oct-2012 18:08:33	Limit Group:	GC MAEPH ICAL
Client ID:		Instrument ID:	HP7890-20
Lims Batch ID:	86038	Lims Sample ID:	7
Operator ID:	tchrom	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

A 4 C9-C18 Aliphatics, Signal: 1, Type: quant, RT: 6.40, Det: Ch-B-20-01-b-020

Results From Processing



Results from Manual Integration



Reviewer: bescod, 07-Nov-2012 11:32:10

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

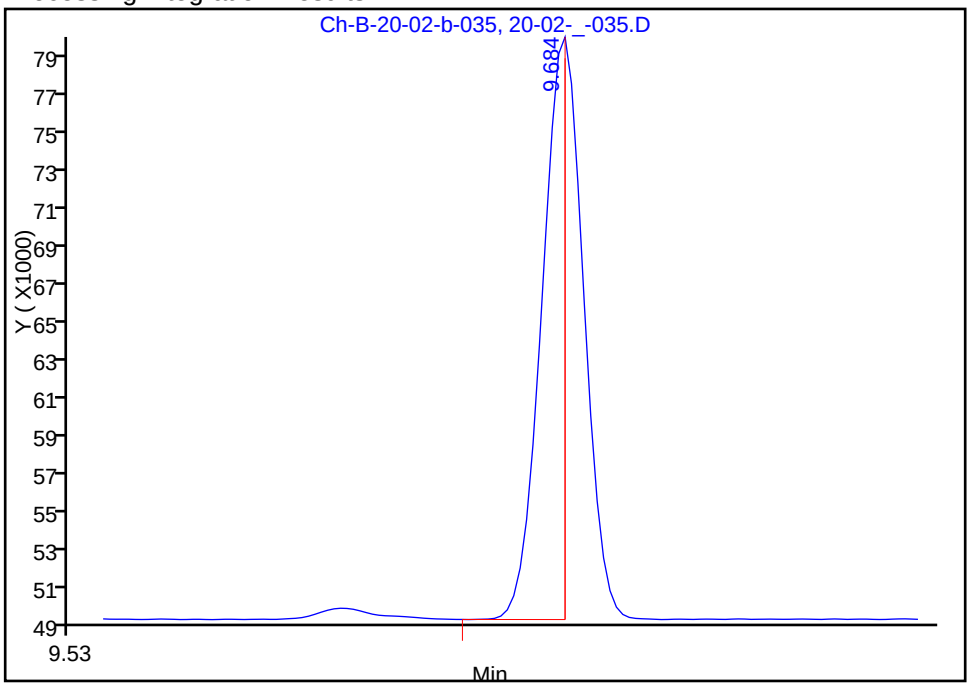
TestAmerica Buffalo

Data File:	\\BUFCHROM\ChromData\HP7890-20\20121017-15821.b\20-02-_-035.D		
Injection Date:	17-Oct-2012 18:08:33	Limit Group:	GC MAEPH ICAL
Client ID:		Instrument ID:	HP7890-20
Lims Batch ID:	86038	Lims Sample ID:	7
Operator ID:	tchrom	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

19 n-Octadecane, Signal: 1, Type: quant, RT: 9.68, Det: Ch-B-20-01-b-020

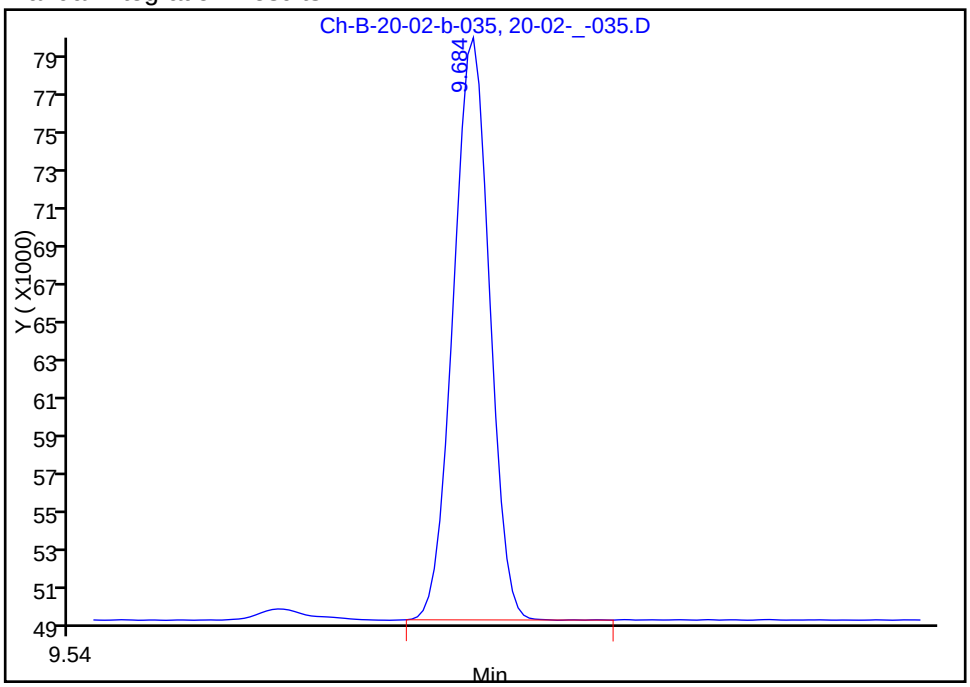
Processing Integration Results

RT: 9.68
Response: 14741
Amount: 14.586890



Manual Integration Results

RT: 9.68
Response: 27194
Amount: 25.139476



Reviewer: bescod, 07-Nov-2012 11:32:10
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\BUFCHROM\ChromData\HP7890-20\20121017-15821.b\20-02-_-036.D		
Lims ID:	std 50	Client ID:	
Inject. Date:	17-Oct-2012 18:38:07	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	7
Sample ID:	Name:		
Misc. Info.:	Study: Channel B: I/F Serial#, 2247570447		
Operator:	tchrom	Instrument ID:	HP7890-20
Injection Vol:	1.0 ul	ALS Bottle#:	0
Lims Batch ID:	86038	Lims Sample ID:	8
Sublist:	chrom-7890-EPH*sub7		
Detector 1 :	Ch-A-20-01-a-020		
Detector 2 :	Ch-B-20-01-b-020		
Method:	\\BUFCHROM\ChromData\HP7890-20\20121017-15821.b\7890-EPH.m		
Last Update:	07-Nov-2012 11:37:20	Calib Date:	17-Oct-2012 19:37:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\BUFCHROM\ChromData\HP7890-20\20121017-15821.b\20-02-_-038.D		
Limit Group:	GC MAEPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK011		

First Level Reviewer: bescod Date: 07-Nov-2012 11:37:20

Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
6 n-Nonane						M
2	3.282	3.282	0.000	61496	52.3	M
7 n-Decane						
2	4.284	4.284	0.000	62729	52.7	
8 Naphthalene						
1	5.820	5.820	0.000	58589	52.5	
9 Dodecane						
2	5.958	5.958	0.000	62996	52.9	
A 4 C9-C18 Aliphatics						M
2	6.400	3.000 -	9.800	372564	314.2	M
10 2-Methylnaphthalene						
1	6.648	6.648	0.000	59934	52.7	
$ 11 2-Fluorobiphenyl						
1	7.116	7.116	0.000	53538	52.6	
12 n-Tetradecane						
2	7.354	7.354	0.000	62375	52.9	
13 Acenaphthylene						
1	7.690	7.690	0.000	62303	52.6	
$ 14 2-Bromonaphthalene						
1	7.852	7.852	0.000	38378	52.6	
15 Acenaphthene						
1	7.902	7.902	0.000	63262	52.8	
16 Fluorene						
1	8.516	8.516	0.000	64651	53.1	
17 Hexadecane						
2	8.580	8.580	0.000	59903	53.2	

Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
18 Phenanthrene						
1	9.634	9.634	0.000	66096	52.9	
19 n-Octadecane						
2	9.684	9.684	0.000	57173	52.9	
20 Anthracene						
1	9.694	9.694	0.000	65791	53.0	
$ 21 o-Terphenyl						
1	10.138	10.138	0.000	65413	52.8	
22 C19						
2	10.198	10.198	0.000	55162	52.9	
A 5 C11-C22 Aromatics						
1	10.650	5.500 - 15.800		1112193	859.8	
23 icosane						
2	10.688	10.688	0.000	54217	53.0	
24 Fluoranthene						
1	11.042	11.042	0.000	68371	52.5	
$ 25 1-Chlorooctadecane						
2	11.098	11.098	0.000	45431	52.8	
26 Pyrene						
1	11.296	11.296	0.000	68450	52.4	
27 n-Docosane						
2	11.606	11.606	0.000	52791	52.9	
28 n-Tetracosane						
2	12.452	12.452	0.000	53453	52.9	
29 Benzo[a]anthracene						
1	12.738	12.738	0.000	66207	52.1	
30 Chrysene						
1	12.778	12.778	0.000	63984	52.3	
31 n-Hexacosane						
2	13.238	13.238	0.000	55598	52.9	
32 Benzo[k]fluoranthene						
1	13.936	13.936	0.000	66705	51.9	
A 3 C19-C36 Aliphatics						
2	13.950	9.800 - 18.100		445051	381.3	
34 Benzo[b]fluoranthene						
1	13.966	13.966	0.000	66739	52.1	
33 n-Octacosane						
2	13.966	13.966	0.000	57440	53.1	
35 Benzo[a]pyrene						
1	14.260	14.260	0.000	65596	51.8	
36 Triacontane						
2	14.652	14.652	0.000	57765	51.5	
37 Indeno[1,2,3-cd]pyrene						
1	15.444	15.444	0.000	65457	52.1	
38 Dibenz(a,h)anthracene						
1	15.488	15.488	0.000	65282	52.4	
39 Benzo[g,h,i]perylene						
1	15.762	15.762	0.000	65945	52.2	

Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
E 40 n-Hexatriacontane						
2	17.996	17.996	0.000	55530	50.4	

QC Flag Legend

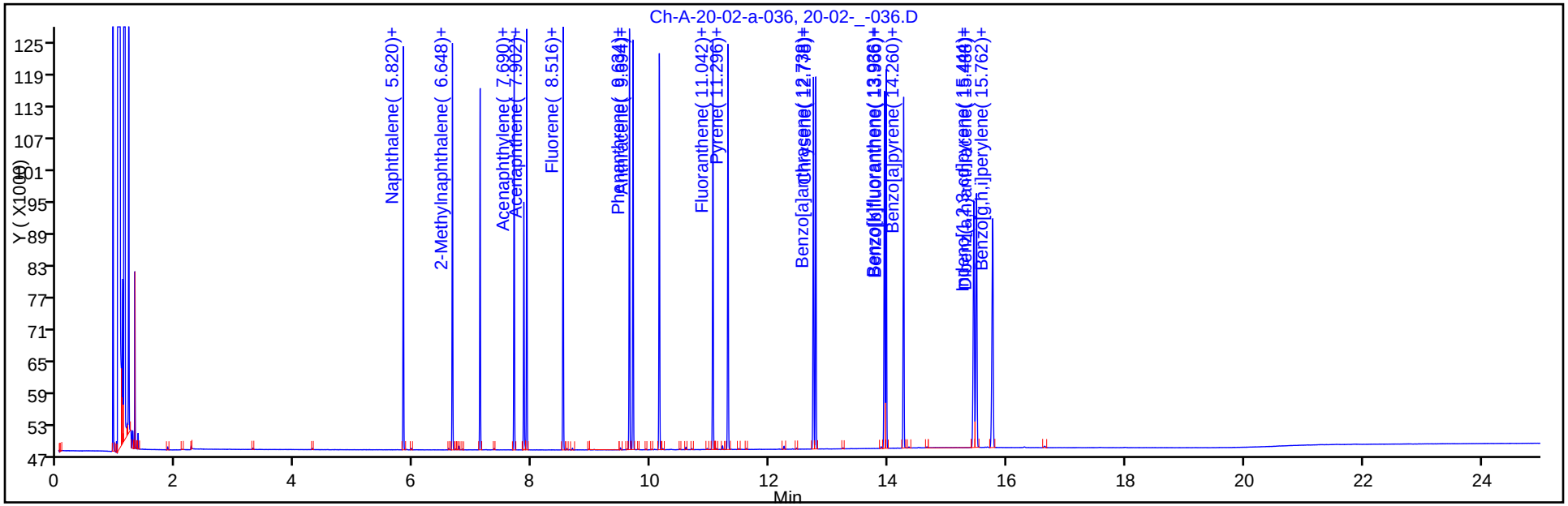
Review Flags
M - Manually Integrated

Report Date: 07-Nov-2012 11:37:21 Chrom Revision: 2.0 22-Oct-2012 16:30:48

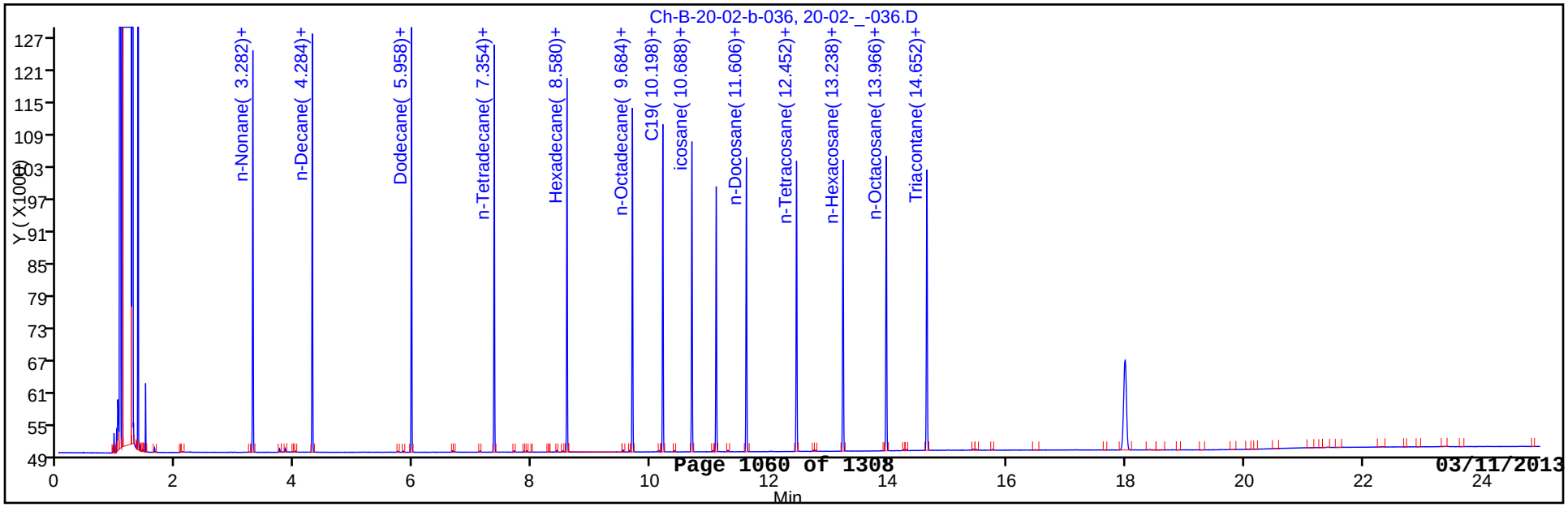
TestAmerica Buffalo

Data File:	\\BUFCHROM\ChromData\HP7890-20\20121017-15821.b\20-02-_-036.D		
Injection Date:	17-Oct-2012 18:38:07	Limit Group:	GC MAEPH ICAL
Client ID:		Instrument ID:	HP7890-20
Lims Batch ID:	86038	Lims Sample ID:	8
Operator ID:	tchrom	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



Report Date: 07-Nov-2012 11:37:21 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

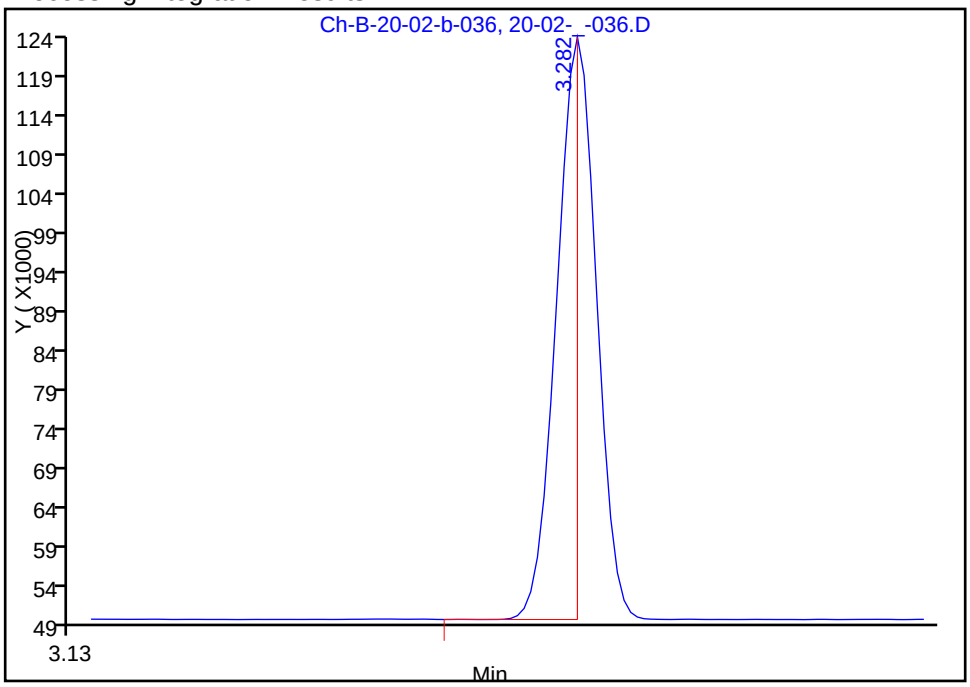
TestAmerica Buffalo

Data File:	\\BUFCHROM\ChromData\HP7890-20\20121017-15821.b\20-02-_-036.D		
Injection Date:	17-Oct-2012 18:38:07	Limit Group:	GC MAEPH ICAL
Client ID:		Instrument ID:	HP7890-20
Lims Batch ID:	86038	Lims Sample ID:	8
Operator ID:	tchrom	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

6 n-Nonane, Signal: 1, Type: quant, RT: 3.28, Det: Ch-B-20-01-b-020

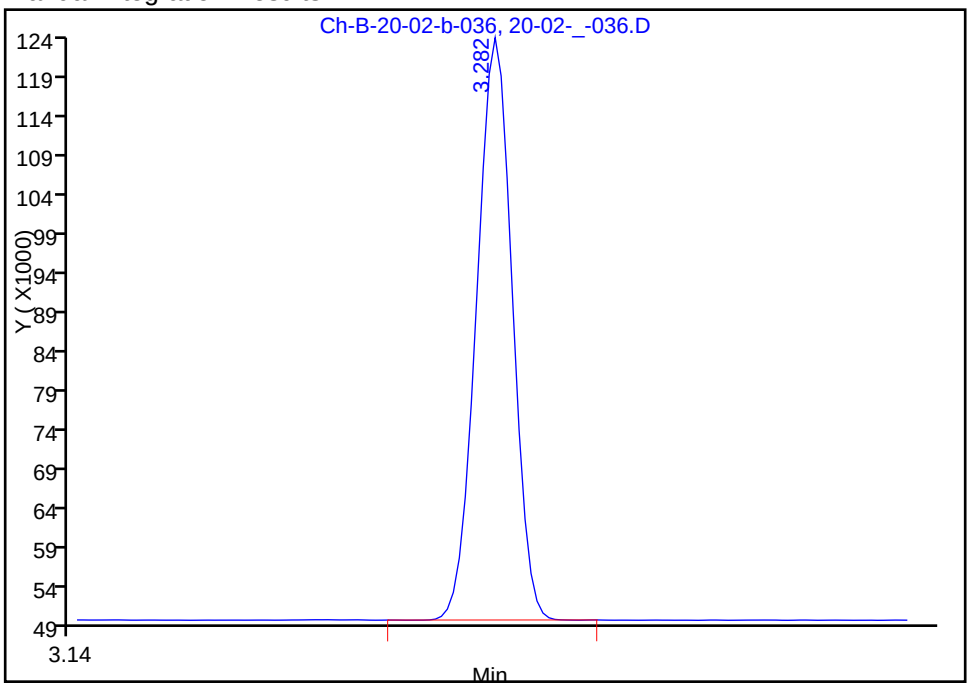
Processing Integration Results

RT: 3.28
Response: 31645
Amount: 29.044444



Manual Integration Results

RT: 3.28
Response: 61496
Amount: 52.344785



Reviewer: bescod, 07-Nov-2012 11:34:09
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

Report Date: 07-Nov-2012 11:37:21 Chrom Revision: 2.0 22-Oct-2012 16:30:48

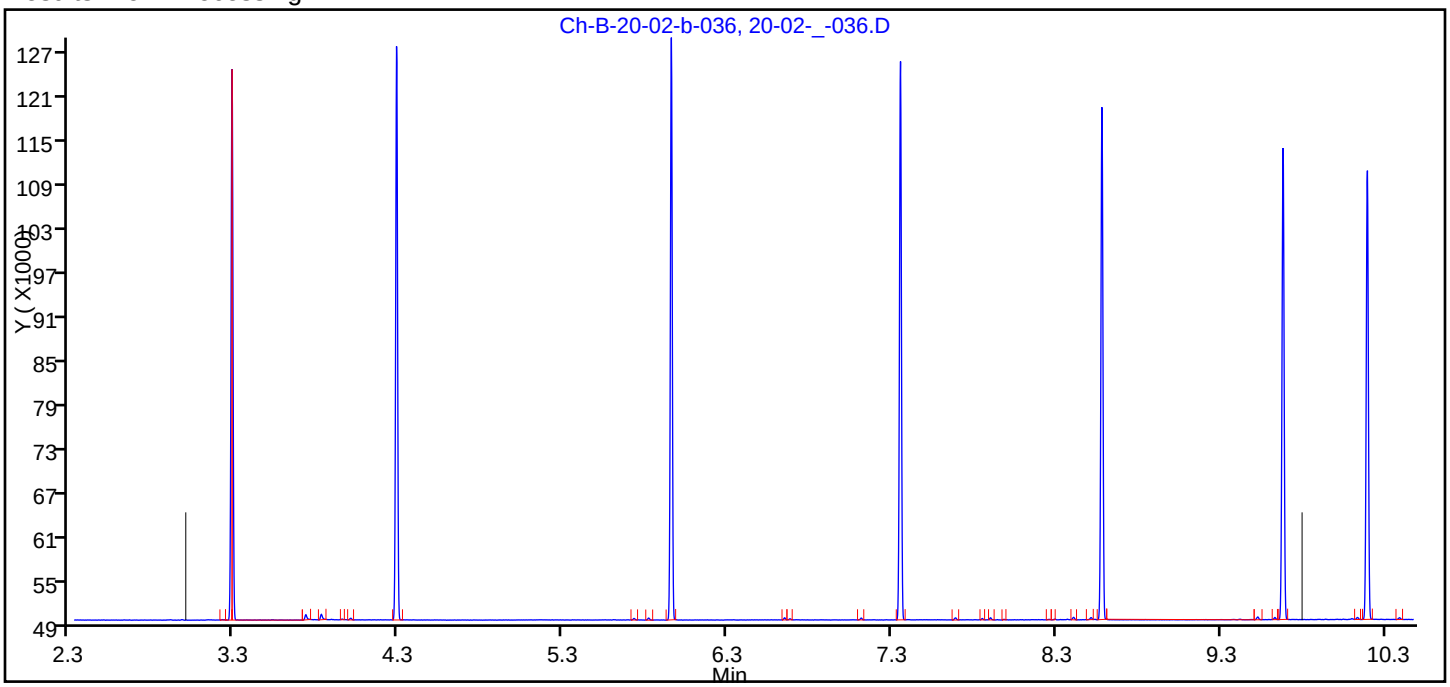
User Disabled Compound Report

TestAmerica Buffalo

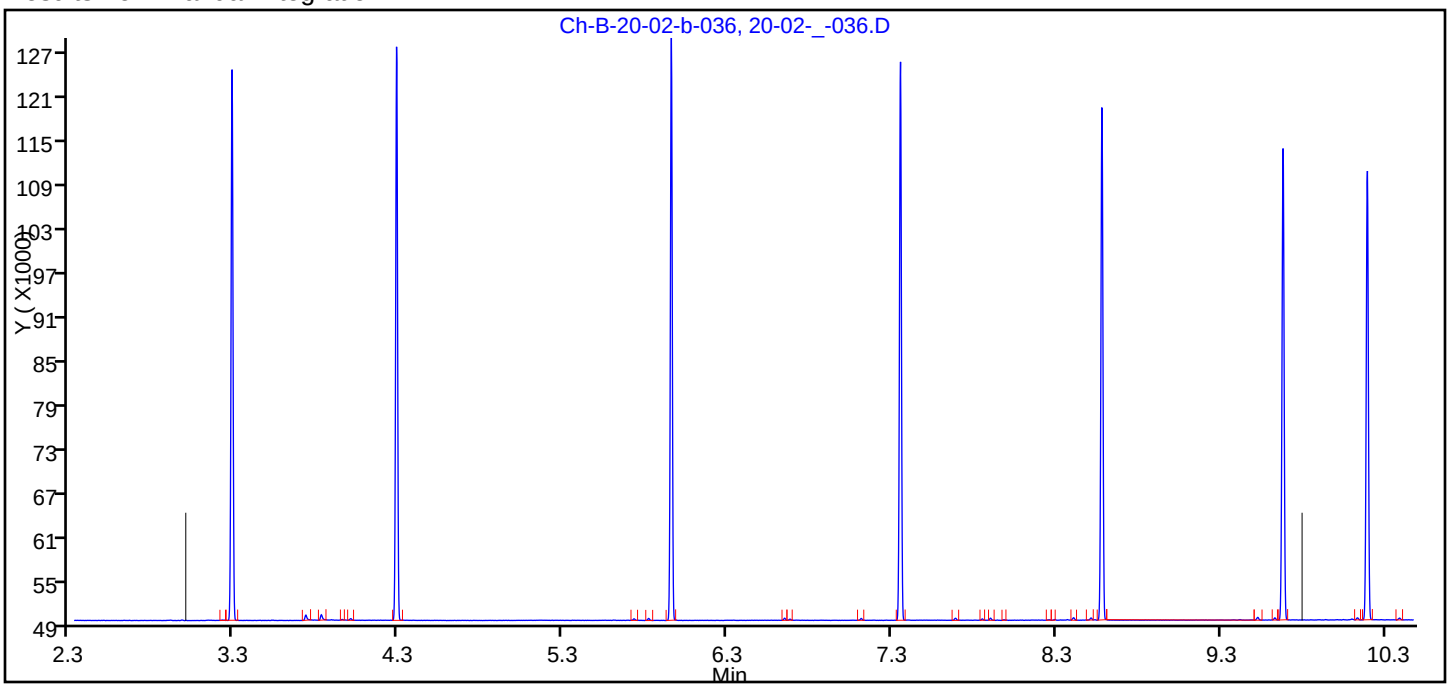
Data File:	\\BUFCHROM\ChromData\HP7890-20\20121017-15821.b\20-02-_-036.D		
Injection Date:	17-Oct-2012 18:38:07	Limit Group:	GC MAEPH ICAL
Client ID:		Instrument ID:	HP7890-20
Lims Batch ID:	86038	Lims Sample ID:	8
Operator ID:	tchrom	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

A 4 C9-C18 Aliphatics, Signal: 1, Type: quant, RT: 6.40, Det: Ch-B-20-01-b-020

Results From Processing



Results from Manual Integration



Reviewer: bescod, 07-Nov-2012 11:34:09

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\BUFCHROM\ChromData\HP7890-20\20121017-15821.b\20-02-_-037.D		
Lims ID:	std 100	Client ID:	
Inject. Date:	17-Oct-2012 19:07:35	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	8
Sample ID:	Name:		
Misc. Info.:	Study: Channel B: I/F Serial#, 2247570447		
Operator:	tchrom	Instrument ID:	HP7890-20
Injection Vol:	1.0 ul	ALS Bottle#:	0
Lims Batch ID:	86038	Lims Sample ID:	9
Sublist:	chrom-7890-EPH*sub7		
Detector 1 :	Ch-A-20-01-a-020		
Detector 2 :	Ch-B-20-01-b-020		
Method:	\\BUFCHROM\ChromData\HP7890-20\20121017-15821.b\7890-EPH.m		
Last Update:	07-Nov-2012 11:37:25	Calib Date:	17-Oct-2012 19:37:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\BUFCHROM\ChromData\HP7890-20\20121017-15821.b\20-02-_-038.D		
Limit Group:	GC MAEPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK011		

First Level Reviewer: bescod Date: 07-Nov-2012 11:37:25

Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
6 n-Nonane						
2	3.284	3.282	0.002	122249	104.1	
7 n-Decane						
2	4.288	4.284	0.004	123659	103.9	
8 Naphthalene						
1	5.822	5.820	0.002	115709	103.6	
9 Dodecane						
2	5.960	5.958	0.002	123589	103.7	
A 4 C9-C18 Aliphatics						
2	6.400	3.000 -	9.800	725241	611.6	
10 2-Methylnaphthalene						
1	6.650	6.648	0.002	118444	104.1	
$ 11 2-Fluorobiphenyl						
1	7.116	7.116	0.000	106409	104.5	
12 n-Tetradecane						
2	7.356	7.354	0.002	121415	103.0	
13 Acenaphthylene						
1	7.692	7.690	0.002	123077	103.9	
$ 14 2-Bromonaphthalene						
1	7.854	7.852	0.002	76266	104.5	
15 Acenaphthene						
1	7.904	7.902	0.002	124607	104.1	
16 Fluorene						
1	8.518	8.516	0.002	127696	104.9	
17 Hexadecane						
2	8.582	8.580	0.002	115758	102.7	

Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
18 Phenanthrene						
1	9.638	9.634	0.004	130008	104.0	
19 n-Octadecane						
2	9.686	9.684	0.002	109597	101.3	
20 Anthracene						
1	9.698	9.694	0.004	129190	104.1	
$ 21 o-Terphenyl						
1	10.140	10.138	0.002	128516	103.8	
22 C19						
2	10.198	10.198	0.000	105737	101.4	
A 5 C11-C22 Aromatics						
1	10.650	5.500 - 15.800		2169026	1676.8	
23 icosane						
2	10.690	10.688	0.002	103973	101.6	
24 Fluoranthene						
1	11.046	11.042	0.004	132243	101.6	
$ 25 1-Chlorooctadecane						
2	11.100	11.098	0.002	88348	102.7	
26 Pyrene						
1	11.300	11.296	0.004	132245	101.2	
27 n-Docosane						
2	11.608	11.606	0.002	101658	101.9	
28 n-Tetracosane						
2	12.454	12.452	0.002	103834	102.7	
29 Benzo[a]anthracene						
1	12.742	12.738	0.004	127810	100.6	
30 Chrysene						
1	12.784	12.778	0.006	123403	100.9	
31 n-Hexacosane						
2	13.238	13.238	0.000	107974	102.8	
32 Benzo[k]fluoranthene						
1	13.942	13.936	0.006	128817	100.2	
A 3 C19-C36 Aliphatics						
2	13.950	9.800 - 18.100		873959	748.8	
34 Benzo[b]fluoranthene						
1	13.974	13.966	0.008	129658	101.2	
33 n-Octacosane						
2	13.968	13.966	0.002	111444	103.0	
35 Benzo[a]pyrene						
1	14.266	14.260	0.006	127560	100.6	
36 Triacontane						
2	14.652	14.652	0.000	112679	100.5	
37 Indeno[1,2,3-cd]pyrene						
1	15.454	15.444	0.010	129046	102.8	
38 Dibenz(a,h)anthracene						
1	15.498	15.488	0.010	125677	100.9	
39 Benzo[g,h,i]perylene						
1	15.774	15.762	0.012	128310	101.5	

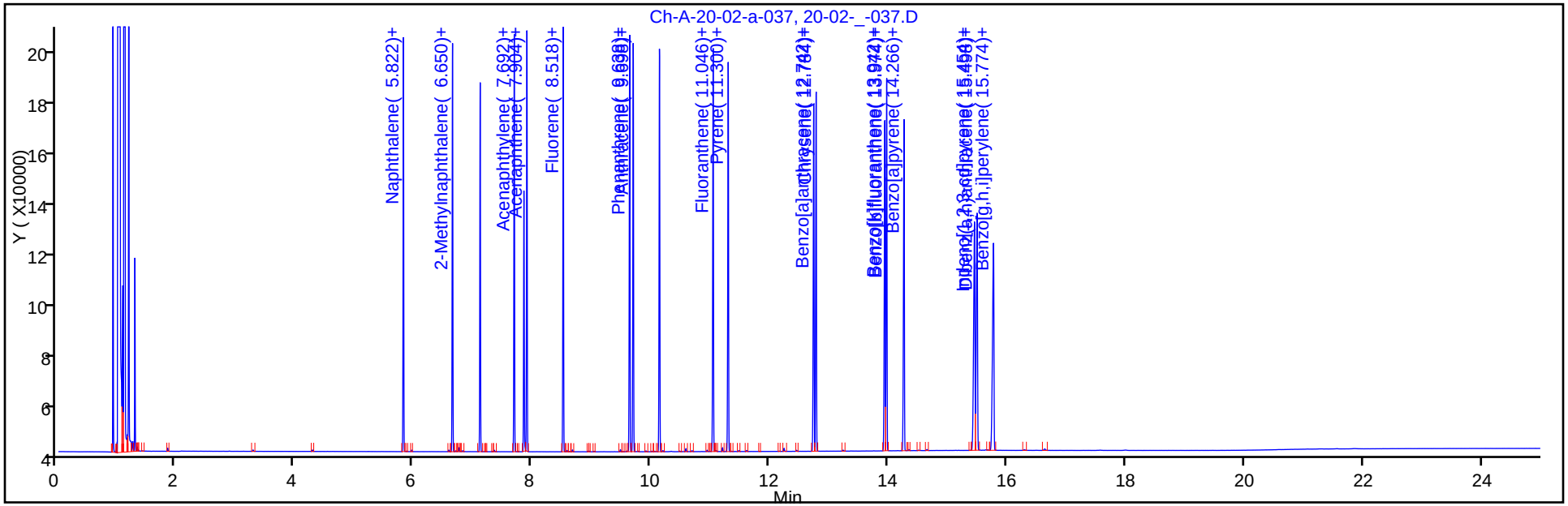
Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
E 40 n-Hexatriacontane						
2	18.002	17.996	0.006	112814	102.3	

Report Date: 07-Nov-2012 11:37:26 Chrom Revision: 2.0 22-Oct-2012 16:30:48

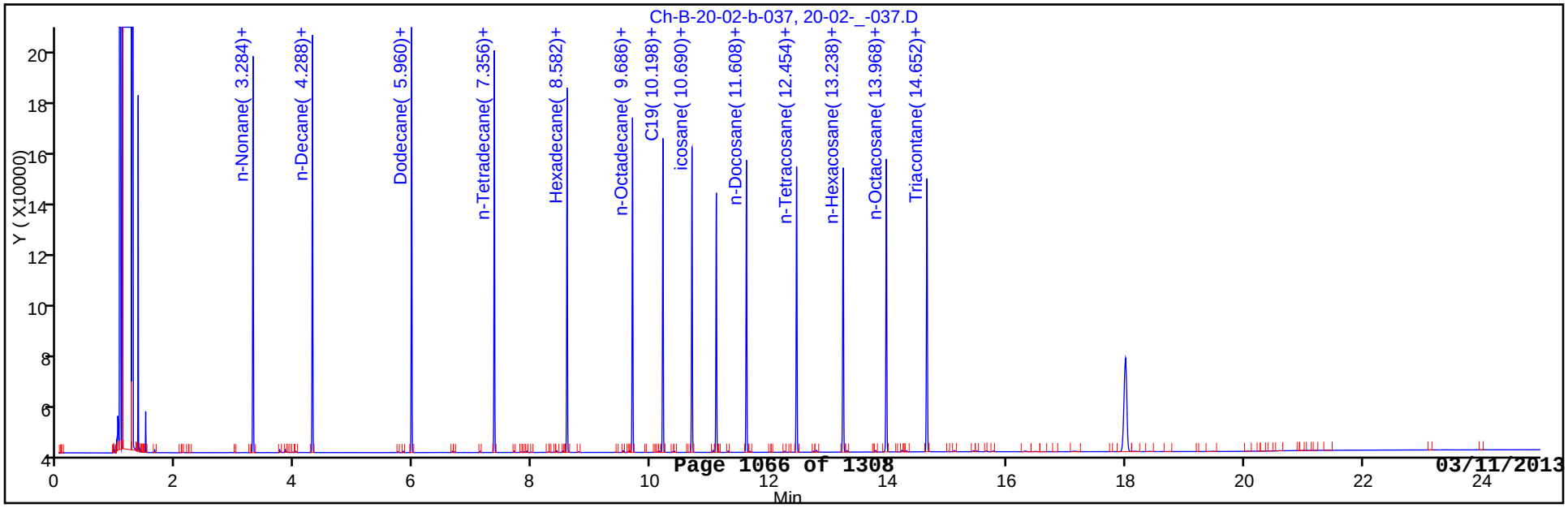
TestAmerica Buffalo

Data File:	\\BUFCHROM\ChromData\HP7890-20\20121017-15821.b\20-02-_-037.D		
Injection Date:	17-Oct-2012 19:07:35	Limit Group:	GC MAEPH ICAL
Client ID:		Instrument ID:	HP7890-20
Lims Batch ID:	86038	Lims Sample ID:	9
Operator ID:	tchrom	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\BUFCHROM\ChromData\HP7890-20\20121017-15821.b\20-02-_-038.D		
Lims ID:	std 200	Client ID:	
Inject. Date:	17-Oct-2012 19:37:02	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	9
Sample ID:	Name:		
Misc. Info.:	Study: Channel B: I/F Serial#, 2247570447		
Operator:	tchrom	Instrument ID:	HP7890-20
Injection Vol:	1.0 ul	ALS Bottle#:	0
Lims Batch ID:	86038	Lims Sample ID:	10
Sublist:	chrom-7890-EPH*sub7		
Detector 1 :	Ch-A-20-01-a-020		
Detector 2 :	Ch-B-20-01-b-020		
Method:	\\BUFCHROM\ChromData\HP7890-20\20121017-15821.b\7890-EPH.m		
Last Update:	07-Nov-2012 11:37:31	Calib Date:	17-Oct-2012 19:37:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\BUFCHROM\ChromData\HP7890-20\20121017-15821.b\20-02-_-038.D		
Limit Group:	GC MAEPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK011		

First Level Reviewer: bescod Date: 07-Nov-2012 11:37:31

Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
6 n-Nonane						
2	3.286	3.282	0.004	238118	202.7	
7 n-Decane						
2	4.290	4.284	0.006	241829	203.3	
8 Naphthalene						
1	5.824	5.820	0.004	233113	208.8	
9 Dodecane						
2	5.962	5.958	0.004	241958	203.1	
A 4 C9-C18 Aliphatics						
2	6.400	3.000 -	9.800	1412517	1191.2	
10 2-Methylnaphthalene						
1	6.654	6.648	0.006	238767	209.9	
$ 11 2-Fluorobiphenyl						
1	7.118	7.116	0.002	214379	210.5	
12 n-Tetradecane						
2	7.358	7.354	0.004	236593	200.7	
13 Acenaphthylene						
1	7.696	7.690	0.006	248474	209.7	
$ 14 2-Bromonaphthalene						
1	7.858	7.852	0.006	154160	211.3	
15 Acenaphthene						
1	7.910	7.902	0.008	251471	210.0	
16 Fluorene						
1	8.522	8.516	0.006	257302	211.4	
17 Hexadecane						
2	8.586	8.580	0.006	224853	199.6	

Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
18 Phenanthrene						
1	9.644	9.634	0.010	259653	207.6	
19 n-Octadecane						
2	9.688	9.684	0.004	214077	197.9	
20 Anthracene						
1	9.704	9.694	0.010	257634	207.6	
$ 21 o-Terphenyl						
1	10.144	10.138	0.006	256420	207.1	
22 C19						
2	10.202	10.198	0.004	207693	199.3	
A 5 C11-C22 Aromatics						
1	10.650	5.500 - 15.800		4364281	3373.8	
23 icosane						
2	10.692	10.688	0.004	206419	201.6	
24 Fluoranthene						
1	11.052	11.042	0.010	262956	202.0	
$ 25 1-Chlorooctadecane						
2	11.102	11.098	0.004	177378	206.1	
26 Pyrene						
1	11.306	11.296	0.010	263225	201.4	
27 n-Docosane						
2	11.612	11.606	0.006	206820	207.4	
28 n-Tetracosane						
2	12.458	12.452	0.006	214525	212.3	
29 Benzo[a]anthracene						
1	12.750	12.738	0.012	256896	202.2	
30 Chrysene						
1	12.792	12.778	0.014	248754	203.3	
31 n-Hexacosane						
2	13.242	13.238	0.004	222979	212.2	
32 Benzo[k]fluoranthene						
1	13.950	13.936	0.014	262926	204.5	
A 3 C19-C36 Aliphatics						
2	13.950	9.800 - 18.100		1757135	1505.5	
34 Benzo[b]fluoranthene						
1	13.984	13.966	0.018	260205	203.1	
33 n-Octacosane						
2	13.972	13.966	0.006	228450	211.1	
35 Benzo[a]pyrene						
1	14.274	14.260	0.014	258072	203.6	
36 Triacontane						
2	14.656	14.652	0.004	227385	202.8	
37 Indeno[1,2,3-cd]pyrene						
1	15.468	15.444	0.024	264170	210.5	
38 Dibenz(a,h)anthracene						
1	15.514	15.488	0.026	250086	200.8	
39 Benzo[g,h,i]perylene						
1	15.796	15.762	0.034	258876	204.8	

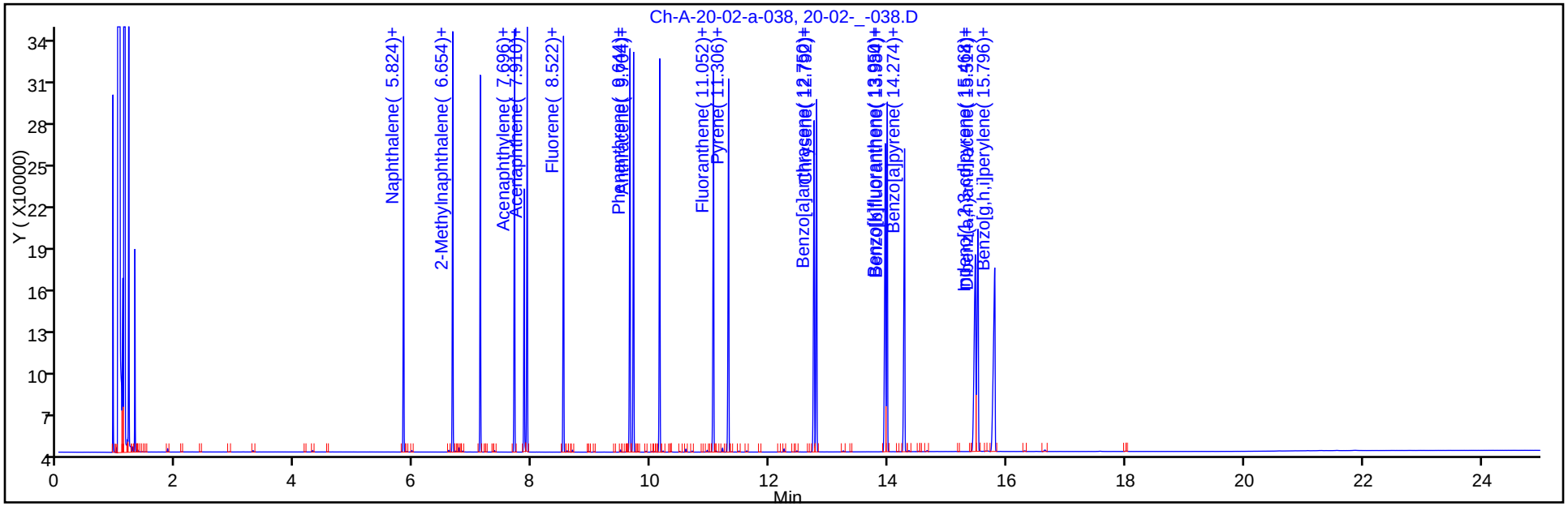
Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
E 40 n-Hexatriacontane						
2	18.014	17.996	0.018	227708	206.5	

Report Date: 07-Nov-2012 11:37:32 Chrom Revision: 2.0 22-Oct-2012 16:30:48

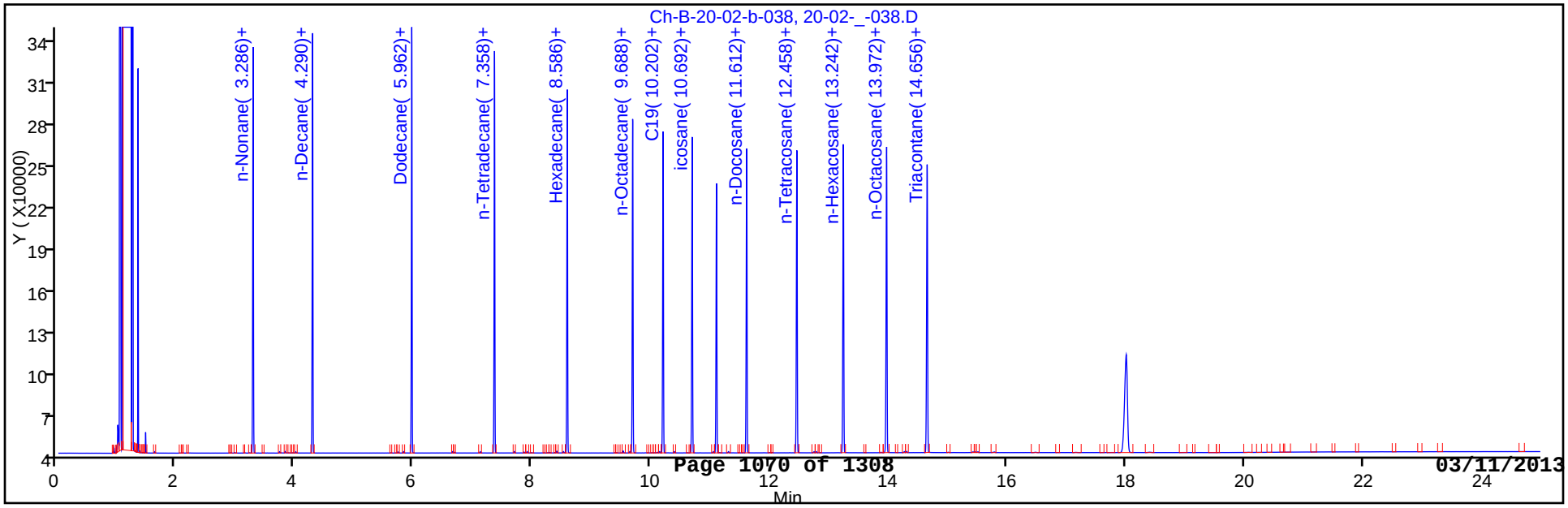
TestAmerica Buffalo

Data File:	\\BUFCHROM\ChromData\HP7890-20\20121017-15821.b\20-02-_-038.D		
Injection Date:	17-Oct-2012 19:37:02	Limit Group:	GC MAEPH ICAL
Client ID:		Instrument ID:	HP7890-20
Lims Batch ID:	86038	Lims Sample ID:	10
Operator ID:	tchrom	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-30197-1

SDG No.:

Lab Sample ID: CCV 480-97357/2 Calibration Date: 12/26/2012 08:10

Instrument ID: HP7890-20 Calib Start Date: 10/17/2012 16:40

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 10/17/2012 19:37

Lab File ID: 20_04142.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Naphthalene	Ave	1116	1205		54.0	50.0	8.0	25.0
2-Methylnaphthalene	Ave	1138	1218		53.5	50.0	7.0	25.0
Acenaphthylene	Ave	1185	1244		52.5	50.0	5.0	25.0
Acenaphthene	Ave	1197	1258		52.5	50.0	5.0	25.0
Fluorene	Ave	1217	1264		51.9	50.0	3.8	25.0
Phenanthrene	Ave	1251	1268		50.7	50.0	1.4	25.0
Anthracene	Ave	1241	1280		51.6	50.0	3.2	25.0
Fluoranthene	Ave	1302	1306		50.1	50.0	0.3	25.0
Pyrene	Ave	1307	1309		50.1	50.0	0.1	25.0
C11-C22 Aromatics	Ave	1294	1115		820	850	-13.8	25.0
Benzo[a]anthracene	Ave	1271	1287		50.6	50.0	1.3	25.0
Chrysene	Ave	1223	1244		50.8	50.0	1.7	25.0
Benzo[k]fluoranthene	Ave	1286	1307		50.8	50.0	1.7	25.0
Benzo[b]fluoranthene	Ave	1281	1304		50.9	50.0	1.7	25.0
Benzo[a]pyrene	Ave	1267	1289		50.9	50.0	1.7	25.0
Indeno[1,2,3-cd]pyrene	Ave	1255	1147		45.7	50.0	-8.6	25.0
Dibenz(a,h)anthracene	Ave	1245	1207		48.5	50.0	-3.1	25.0
Benzo[g,h,i]perylene	Ave	1264	1099		43.5	50.0	-13.1	25.0
2-Fluorobiphenyl	Ave	1018	1075		52.7	50.0	5.6	25.0
2-Bromonaphthalene	Ave	729.5	760.0		52.1	50.0	4.2	25.0
o-Terphenyl	Ave	1238	1301		52.5	50.0	5.1	25.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-30197-1

SDG No.:

Lab Sample ID: CCV 480-97357/2 Calibration Date: 12/26/2012 08:10

Instrument ID: HP7890-20 Calib Start Date: 10/17/2012 16:40

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 10/17/2012 19:37

Lab File ID: 20_04142.D

Analyte	RT	RT WINDOW	
		FROM	TO
Naphthalene	5.81	5.80	5.83
2-Methylnaphthalene	6.64	6.63	6.66
Acenaphthylene	7.68	7.67	7.70
Acenaphthene	7.89	7.88	7.91
Fluorene	8.51	8.49	8.52
Phenanthrene	9.62	9.61	9.64
Anthracene	9.69	9.67	9.70
Fluoranthene	11.03	11.02	11.05
Pyrene	11.29	11.27	11.30
C11-C22 Aromatics	11.65	7.50	15.80
Benzo[a]anthracene	12.73	12.71	12.74
Chrysene	12.77	12.75	12.78
Benzo[k]fluoranthene	13.92	13.91	13.94
Benzo[b]fluoranthene	13.95	13.94	13.97
Benzo[a]pyrene	14.25	14.23	14.26
Indeno[1,2,3-cd]pyrene	15.43	15.41	15.44
Dibenz(a,h)anthracene	15.47	15.46	15.49
Benzo[g,h,i]perylene	15.74	15.73	15.76
2-Fluorobiphenyl	7.11	7.09	7.12
2-Bromonaphthalene	7.84	7.83	7.86
o-Terphenyl	10.13	10.11	10.14

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\20_04142.D
Lims ID: ccv
Client ID:
Inject. Date: 26-Dec-2012 08:10:46
Dil. Factor: 1.0000
Sample Type: CCV
Sample ID:
Misc. Info.:
Operator: tchrom
Instrument ID: HP7890-20
Injection Vol: 1.0 ul
ALS Bottle#: 0
Lims Batch ID: 97357
Lims Sample ID: 2
Sublist: chrom-7890-EPH*sub7
Detector 1 : Ch-A-20-01-a-020
Detector 2 : Ch-B-20-01-b-020

Method: \\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\7890-EPH.m
Last Update: 27-Dec-2012 07:12:33
Calib Date: 17-Oct-2012 19:37:02
Quant Method: External Standard
Quant By: Initial Calibration
Last ICal File: \\BUFCHROM\ChromData\HP7890-20\20121017-15821.b\20-02-_-038.D
Limit Group: GC MAEPH ICAL
Integrator: Falcon
Column Type:
Column Dia:
Process Host: XAWRK012

First Level Reviewer: bescod
Date: 27-Dec-2012 07:12:33

Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
6 n-Nonane						
2	3.268	3.222	0.046	58831	50.1	
7 n-Decane						
2	4.272	4.234	0.038	59142	49.7	
8 Naphthalene						
1	5.814	5.814	0.000	60270	54.0	
9 Dodecane						
2	5.946	5.920	0.026	57640	48.4	
A 4 C9-C18 Aliphatics						
2	6.400	3.000 -	9.800	337823	285.0	
10 2-Methylnaphthalene						
1	6.640	6.640	0.000	60875	53.5	
$ 11 2-Fluorobiphenyl						
1	7.108	7.106	0.002	53751	52.7	
12 n-Tetradecane						
2	7.342	7.322	0.020	55475	47.1	
13 Acenaphthylene						
1	7.680	7.680	0.000	62196	52.5	
$ 14 2-Bromonaphthalene						
1	7.844	7.844	0.000	37999	52.1	
15 Acenaphthene						
1	7.894	7.892	0.002	62883	52.5	
16 Fluorene						
1	8.506	8.506	0.000	63187	51.9	
17 Hexadecane						
2	8.568	8.554	0.014	52304	46.4	

Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
18 Phenanthrene						
1	9.624	9.624	0.000	63391	50.7	
19 n-Octadecane						
2	9.670	9.662	0.008	50221	46.4	
20 Anthracene						
1	9.686	9.684	0.002	63999	51.6	
$ 21 o-Terphenyl						
1	10.128	10.128	0.000	65030	52.5	
22 C19						
2	10.182	10.176	0.006	49143	47.1	
23 icosane						
2	10.672	10.666	0.006	49241	48.1	
24 Fluoranthene						
1	11.032	11.030	0.002	65257	50.1	
$ 25 1-Chlorooctadecane						
2	11.084	11.076	0.008	44492	51.7	
26 Pyrene						
1	11.286	11.284	0.002	65445	50.1	
27 n-Docosane						
2	11.590	11.586	0.004	49335	49.5	
A 5 C11-C22 Aromatics						
1	11.650	7.500 - 15.800		947451	820.2	
28 n-Tetracosane						
2	12.436	12.432	0.004	50111	49.6	
29 Benzo[a]anthracene						
1	12.726	12.726	0.000	64347	50.6	
30 Chrysene						
1	12.766	12.766	0.000	62188	50.8	
31 n-Hexacosane						
2	13.218	13.216	0.002	50545	48.1	
A 3 C19-C36 Aliphatics						
2	13.300	8.500 - 18.100		503985	348.1	
32 Benzo[k]fluoranthene						
1	13.924	13.924	0.000	65345	50.8	
33 n-Octacosane						
2	13.946	13.946	0.000	50780	46.9	
34 Benzo[b]fluoranthene						
1	13.954	13.954	0.000	65190	50.9	
35 Benzo[a]pyrene						
1	14.248	14.248	0.000	64456	50.9	
36 Triacontane						
2	14.628	14.628	0.000	50125	44.7	
37 Indeno[1,2,3-cd]pyrene						
1	15.426	15.426	0.000	57340	45.7	
38 Dibenz(a,h)anthracene						
1	15.470	15.470	0.000	60343	48.5	
39 Benzo[g,h,i]perylene						
1	15.742	15.740	0.002	54941	43.5	

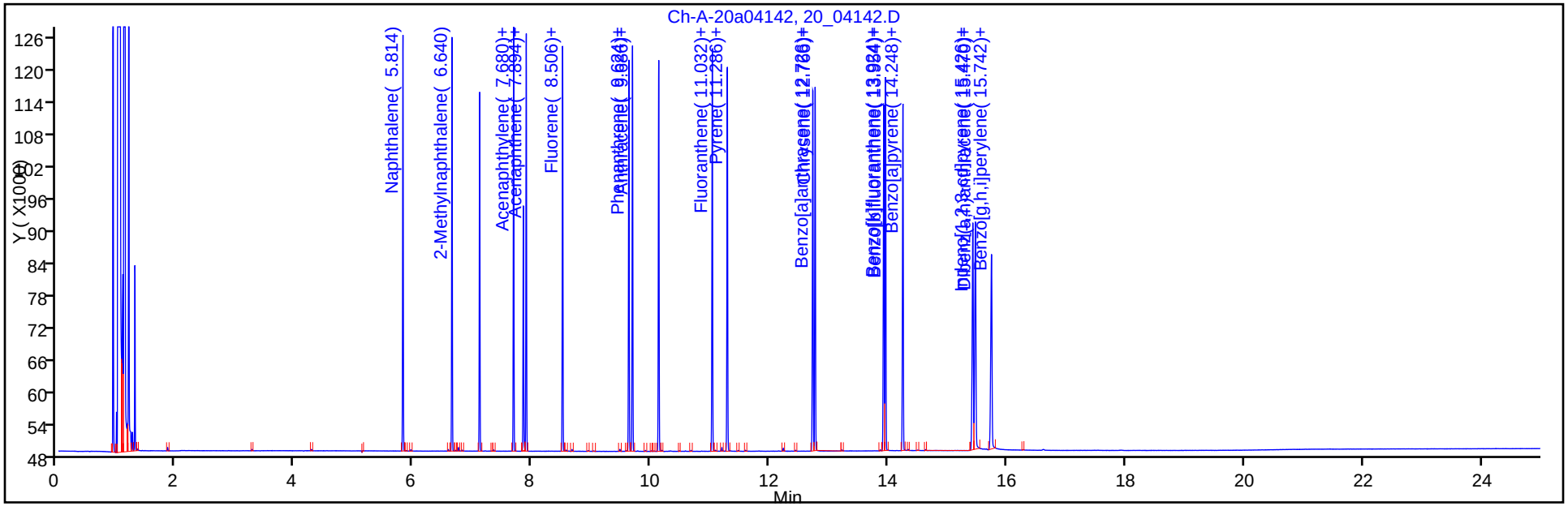
Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
E 40 n-Hexatriacontane						
2	17.930	17.932	-0.002	47292	42.9	

Report Date: 27-Dec-2012 07:12:34 Chrom Revision: 2.0 22-Oct-2012 16:30:48

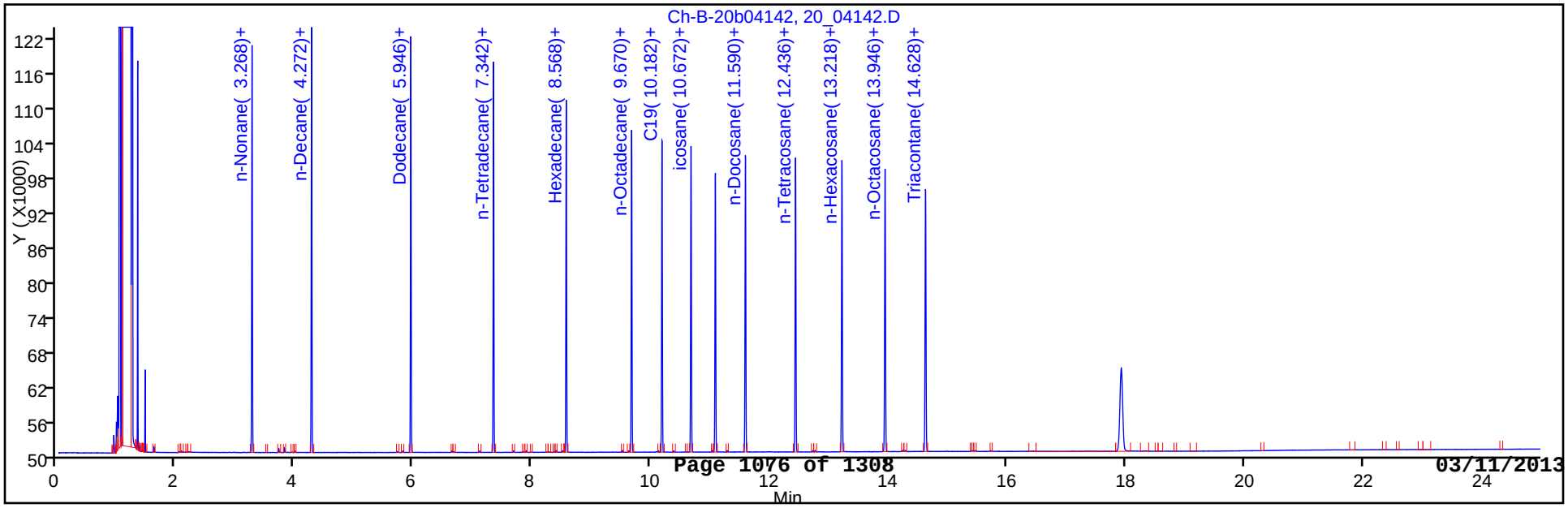
TestAmerica Buffalo

Data File:	\\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\20_04142.D		
Injection Date:	26-Dec-2012 08:10:46	Limit Group:	GC MAEPH ICAL
Client ID:		Instrument ID:	HP7890-20
Lims Batch ID:	97357	Lims Sample ID:	2
Operator ID:	tchrom	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-30197-1

SDG No.:

Lab Sample ID: CCV 480-97357/2 Calibration Date: 12/26/2012 08:10

Instrument ID: HP7890-20 Calib Start Date: 10/17/2012 16:40

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 10/17/2012 19:37

Lab File ID: 20_04142.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
n-Nonane	Ave	1175	1177		50.1	50.0	0.2	30.0
n-Decane	Ave	1190	1183		49.7	50.0	-0.6	25.0
Dodecane	Ave	1192	1153		48.4	50.0	-3.3	25.0
C9-C18 Aliphatics	Ave	1186	1126		285	300	-5.0	25.0
n-Tetradecane	Ave	1179	1110		47.1	50.0	-5.9	25.0
Hexadecane	Ave	1127	1046		46.4	50.0	-7.2	25.0
n-Octadecane	Ave	1082	1004		46.4	50.0	-7.1	25.0
C19	Ave	1042	982.9		47.1	50.0	-5.7	25.0
icosane	Ave	1024	984.8		48.1	50.0	-3.8	25.0
n-Docosane	Ave	997	986.7		49.5	50.0	-1.1	25.0
n-Tetracosane	Ave	1011	1002		49.6	50.0	-0.8	25.0
n-Hexacosane	Ave	1051	1011		48.1	50.0	-3.8	25.0
C19-C36 Aliphatics	Ave	1167	1260		348	400	8.0	25.0
n-Octacosane	Ave	1082	1016		46.9	50.0	-6.2	25.0
Triacontane	Ave	1121	1003		44.7	50.0	-10.6	25.0
n-Hexatriacontane	Ave	1103	945.8		42.9	50.0	-14.2	25.0
1-Chlorooctadecane	Ave	860.5	889.8		51.7	50.0	3.4	25.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-30197-1

SDG No.:

Lab Sample ID: CCV 480-97357/2 Calibration Date: 12/26/2012 08:10

Instrument ID: HP7890-20 Calib Start Date: 10/17/2012 16:40

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 10/17/2012 19:37

Lab File ID: 20_04142.D

Analyte	RT	RT WINDOW	
		FROM	TO
n-Nonane	3.27	3.21	3.24
n-Decane	4.27	4.22	4.25
Dodecane	5.95	5.91	5.94
C9-C18 Aliphatics	6.40	3.00	9.80
n-Tetradecane	7.34	7.31	7.34
Hexadecane	8.57	8.54	8.57
n-Octadecane	9.67	9.65	9.68
C19	10.18	10.16	10.19
icosane	10.67	10.65	10.68
n-Docosane	11.59	11.57	11.60
n-Tetracosane	12.44	12.42	12.45
n-Hexacosane	13.22	13.20	13.23
C19-C36 Aliphatics	13.30	8.50	18.10
n-Octacosane	13.95	13.93	13.96
Triacontane	14.63	14.61	14.64
n-Hexatriacontane	17.93	17.91	17.95
1-Chlorooctadecane	11.08	11.06	11.09

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\20_04142.D
Lims ID: ccv
Client ID:
Inject. Date: 26-Dec-2012 08:10:46
Dil. Factor: 1.0000
Sample Type: CCV
Sample ID:
Misc. Info.:
Operator: tchrom
Instrument ID: HP7890-20
Injection Vol: 1.0 ul
ALS Bottle#: 0
Lims Batch ID: 97357
Lims Sample ID: 2
Sublist: chrom-7890-EPH*sub7
Detector 1 : Ch-A-20-01-a-020
Detector 2 : Ch-B-20-01-b-020

Method: \\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\7890-EPH.m
Last Update: 27-Dec-2012 07:12:33
Calib Date: 17-Oct-2012 19:37:02
Quant Method: External Standard
Quant By: Initial Calibration
Last ICal File: \\BUFCHROM\ChromData\HP7890-20\20121017-15821.b\20-02-_-038.D
Limit Group: GC MAEPH ICAL
Integrator: Falcon
Column Type:
Column Dia:
Process Host: XAWRK012

First Level Reviewer: bescod
Date: 27-Dec-2012 07:12:33

Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
6 n-Nonane						
2	3.268	3.222	0.046	58831	50.1	
7 n-Decane						
2	4.272	4.234	0.038	59142	49.7	
8 Naphthalene						
1	5.814	5.814	0.000	60270	54.0	
9 Dodecane						
2	5.946	5.920	0.026	57640	48.4	
A 4 C9-C18 Aliphatics						
2	6.400	3.000 -	9.800	337823	285.0	
10 2-Methylnaphthalene						
1	6.640	6.640	0.000	60875	53.5	
$ 11 2-Fluorobiphenyl						
1	7.108	7.106	0.002	53751	52.7	
12 n-Tetradecane						
2	7.342	7.322	0.020	55475	47.1	
13 Acenaphthylene						
1	7.680	7.680	0.000	62196	52.5	
$ 14 2-Bromonaphthalene						
1	7.844	7.844	0.000	37999	52.1	
15 Acenaphthene						
1	7.894	7.892	0.002	62883	52.5	
16 Fluorene						
1	8.506	8.506	0.000	63187	51.9	
17 Hexadecane						
2	8.568	8.554	0.014	52304	46.4	

Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
18 Phenanthrene						
1	9.624	9.624	0.000	63391	50.7	
19 n-Octadecane						
2	9.670	9.662	0.008	50221	46.4	
20 Anthracene						
1	9.686	9.684	0.002	63999	51.6	
$ 21 o-Terphenyl						
1	10.128	10.128	0.000	65030	52.5	
22 C19						
2	10.182	10.176	0.006	49143	47.1	
23 icosane						
2	10.672	10.666	0.006	49241	48.1	
24 Fluoranthene						
1	11.032	11.030	0.002	65257	50.1	
$ 25 1-Chlorooctadecane						
2	11.084	11.076	0.008	44492	51.7	
26 Pyrene						
1	11.286	11.284	0.002	65445	50.1	
27 n-Docosane						
2	11.590	11.586	0.004	49335	49.5	
A 5 C11-C22 Aromatics						
1	11.650	7.500 - 15.800		947451	820.2	
28 n-Tetracosane						
2	12.436	12.432	0.004	50111	49.6	
29 Benzo[a]anthracene						
1	12.726	12.726	0.000	64347	50.6	
30 Chrysene						
1	12.766	12.766	0.000	62188	50.8	
31 n-Hexacosane						
2	13.218	13.216	0.002	50545	48.1	
A 3 C19-C36 Aliphatics						
2	13.300	8.500 - 18.100		503985	348.1	
32 Benzo[k]fluoranthene						
1	13.924	13.924	0.000	65345	50.8	
33 n-Octacosane						
2	13.946	13.946	0.000	50780	46.9	
34 Benzo[b]fluoranthene						
1	13.954	13.954	0.000	65190	50.9	
35 Benzo[a]pyrene						
1	14.248	14.248	0.000	64456	50.9	
36 Triacontane						
2	14.628	14.628	0.000	50125	44.7	
37 Indeno[1,2,3-cd]pyrene						
1	15.426	15.426	0.000	57340	45.7	
38 Dibenz(a,h)anthracene						
1	15.470	15.470	0.000	60343	48.5	
39 Benzo[g,h,i]perylene						
1	15.742	15.740	0.002	54941	43.5	

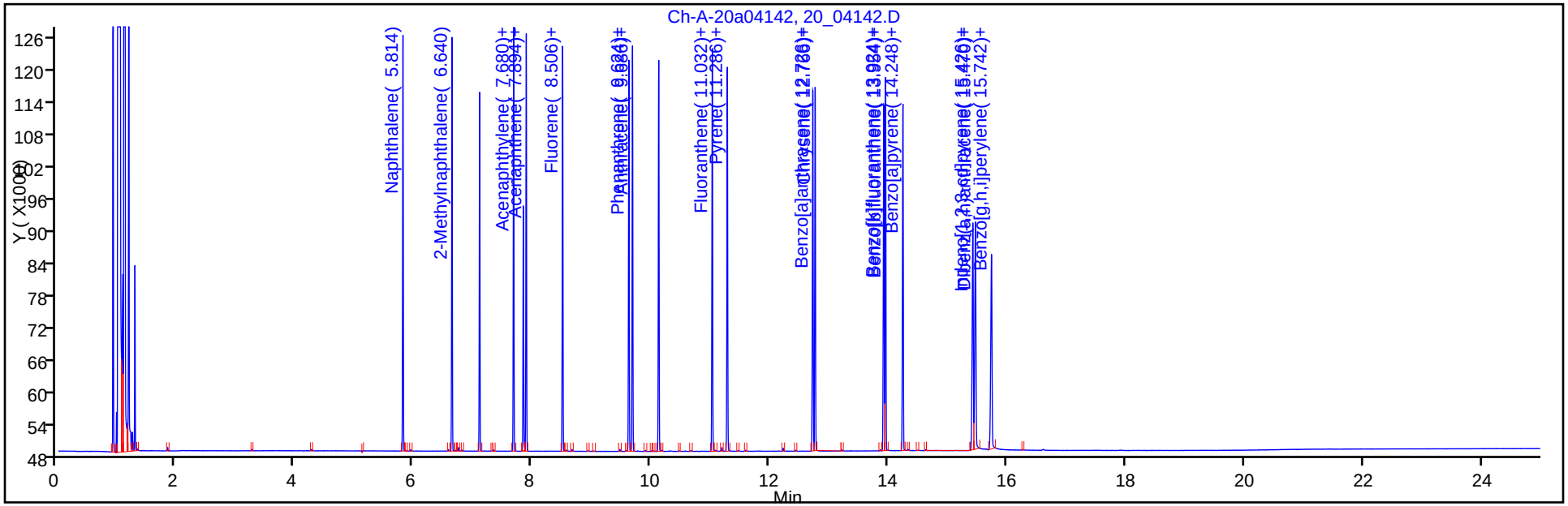
Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
E 40 n-Hexatriacontane						
2	17.930	17.932	-0.002	47292	42.9	

Report Date: 27-Dec-2012 07:12:34 Chrom Revision: 2.0 22-Oct-2012 16:30:48

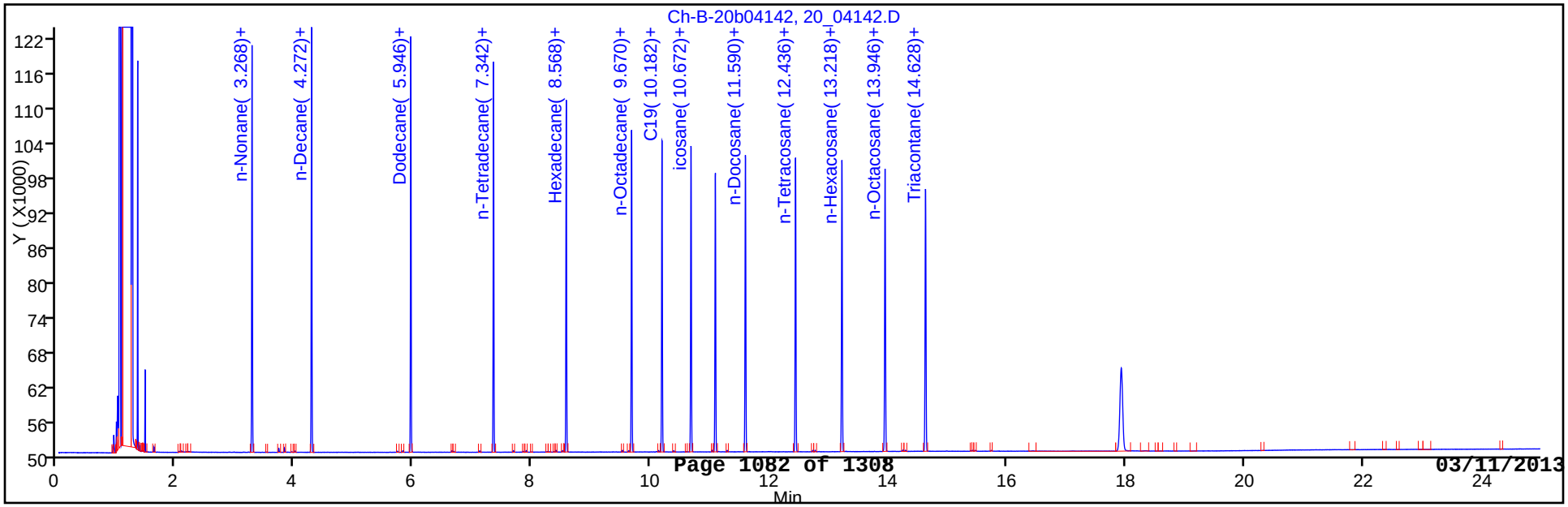
TestAmerica Buffalo

Data File:	\\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\20_04142.D		
Injection Date:	26-Dec-2012 08:10:46	Limit Group:	GC MAEPH ICAL
Client ID:		Instrument ID:	HP7890-20
Lims Batch ID:	97357	Lims Sample ID:	2
Operator ID:	tchrom	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-30197-1

SDG No.:

Lab Sample ID: CCV 480-97357/13 Calibration Date: 12/26/2012 14:37

Instrument ID: HP7890-20 Calib Start Date: 10/17/2012 16:40

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 10/17/2012 19:37

Lab File ID: 20_04153.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Naphthalene	Ave	1116	1318		59.0	50.0	18.1	25.0
2-Methylnaphthalene	Ave	1138	1339		58.8	50.0	17.7	25.0
Acenaphthylene	Ave	1185	1366		57.6	50.0	15.3	25.0
Acenaphthene	Ave	1197	1374		57.4	50.0	14.8	25.0
Fluorene	Ave	1217	1386		56.9	50.0	13.8	25.0
Phenanthrene	Ave	1251	1373		54.9	50.0	9.8	25.0
Anthracene	Ave	1241	1385		55.8	50.0	11.6	25.0
Fluoranthene	Ave	1302	1403		53.9	50.0	7.8	25.0
Pyrene	Ave	1307	1405		53.8	50.0	7.5	25.0
C11-C22 Aromatics	Ave	1294	1203		886	850	-7.0	25.0
Benzo[a]anthracene	Ave	1271	1383		54.4	50.0	8.8	25.0
Chrysene	Ave	1223	1338		54.7	50.0	9.3	25.0
Benzo[k]fluoranthene	Ave	1286	1399		54.4	50.0	8.8	25.0
Benzo[b]fluoranthene	Ave	1281	1407		54.9	50.0	9.8	25.0
Benzo[a]pyrene	Ave	1267	1386		54.7	50.0	9.3	25.0
Indeno[1,2,3-cd]pyrene	Ave	1255	1240		49.4	50.0	-1.2	25.0
Dibenz(a,h)anthracene	Ave	1245	1295		52.0	50.0	4.0	25.0
Benzo[g,h,i]perylene	Ave	1264	1186		46.9	50.0	-6.2	25.0
2-Fluorobiphenyl	Ave	1018	1183		58.0	50.0	16.2	25.0
2-Bromonaphthalene	Ave	729.5	833.6		57.1	50.0	14.3	25.0
o-Terphenyl	Ave	1238	1412		57.0	50.0	14.1	25.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-30197-1

SDG No.:

Lab Sample ID: CCV 480-97357/13 Calibration Date: 12/26/2012 14:37

Instrument ID: HP7890-20 Calib Start Date: 10/17/2012 16:40

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 10/17/2012 19:37

Lab File ID: 20_04153.D

Analyte	RT	RT WINDOW	
		FROM	TO
Naphthalene	5.81	5.80	5.83
2-Methylnaphthalene	6.64	6.63	6.66
Acenaphthylene	7.68	7.67	7.70
Acenaphthene	7.89	7.88	7.91
Fluorene	8.51	8.49	8.52
Phenanthrene	9.62	9.61	9.64
Anthracene	9.69	9.67	9.70
Fluoranthene	11.03	11.02	11.05
Pyrene	11.29	11.27	11.30
C11-C22 Aromatics	11.65	7.50	15.80
Benzo[a]anthracene	12.73	12.71	12.74
Chrysene	12.77	12.75	12.78
Benzo[k]fluoranthene	13.92	13.91	13.94
Benzo[b]fluoranthene	13.95	13.94	13.97
Benzo[a]pyrene	14.25	14.23	14.26
Indeno[1,2,3-cd]pyrene	15.43	15.41	15.44
Dibenz(a,h)anthracene	15.47	15.46	15.49
Benzo[g,h,i]perylene	15.74	15.73	15.76
2-Fluorobiphenyl	7.11	7.09	7.12
2-Bromonaphthalene	7.84	7.83	7.86
o-Terphenyl	10.13	10.11	10.14

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\20_04153.D
Lims ID: ccv
Client ID:
Inject. Date: 26-Dec-2012 14:37:37
Dil. Factor: 1.0000
Sample Type: CCV
Sample ID:
Misc. Info.:
Operator: tchrom
Instrument ID: HP7890-20
Injection Vol: 1.0 ul
ALS Bottle#: 0
Lims Batch ID: 97357
Lims Sample ID: 13
Sublist: chrom-7890-EPH*sub7
Detector 1 : Ch-A-20-01-a-020
Detector 2 : Ch-B-20-01-b-020

Method: \\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\7890-EPH.m
Last Update: 27-Dec-2012 07:12:25
Calib Date: 17-Oct-2012 19:37:02
Quant Method: External Standard
Quant By: Initial Calibration
Last ICal File: \\BUFCHROM\ChromData\HP7890-20\20121017-15821.b\20-02-_-038.D
Limit Group: GC MAEPH ICAL
Integrator: Falcon
Column Type:
Column Dia:
Process Host: XAWRK012

First Level Reviewer: bescod
Date: 27-Dec-2012 07:12:25

Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
6 n-Nonane						
2	3.224	3.222	0.002	63412	54.0	
7 n-Decane						M
2	4.234	4.234	0.000	63715	53.6	M
8 Naphthalene						
1	5.814	5.814	0.000	65911	59.0	
9 Dodecane						
2	5.920	5.920	0.000	62146	52.2	
A 4 C9-C18 Aliphatics						M
2	6.400	3.000 -	9.800	364086	307.2	M
10 2-Methylnaphthalene						
1	6.640	6.640	0.000	66924	58.8	
$ 11 2-Fluorobiphenyl						
1	7.108	7.106	0.002	59163	58.0	
12 n-Tetradecane						
2	7.322	7.322	0.000	59416	50.4	
13 Acenaphthylene						
1	7.680	7.680	0.000	68297	57.6	
$ 14 2-Bromonaphthalene						
1	7.844	7.844	0.000	41681	57.1	
15 Acenaphthene						
1	7.894	7.892	0.002	68710	57.4	
16 Fluorene						
1	8.506	8.506	0.000	69282	56.9	
17 Hexadecane						
2	8.554	8.554	0.000	55820	49.5	

Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
18 Phenanthrene						
1	9.624	9.624	0.000	68650	54.9	
19 n-Octadecane						
2	9.660	9.662	-0.002	53398	49.4	
20 Anthracene						
1	9.686	9.684	0.002	69245	55.8	
$ 21 o-Terphenyl						
1	10.128	10.128	0.000	70619	57.0	
22 C19						
2	10.174	10.176	-0.002	52052	49.9	
23 icosane						
2	10.666	10.666	0.000	51966	50.8	
24 Fluoranthene						
1	11.032	11.030	0.002	70133	53.9	
$ 25 1-Chlorooctadecane						
2	11.076	11.076	0.000	47086	54.7	
26 Pyrene						
1	11.286	11.284	0.002	70265	53.8	
27 n-Docosane						
2	11.584	11.586	-0.002	51881	52.0	
A 5 C11-C22 Aromatics						
1	11.650	7.500 - 15.800		1022958	885.5	
28 n-Tetracosane						
2	12.432	12.432	0.000	52550	52.0	
29 Benzo[a]anthracene						
1	12.726	12.726	0.000	69145	54.4	
30 Chrysene						
1	12.766	12.766	0.000	66877	54.7	
31 n-Hexacosane						
2	13.216	13.216	0.000	53124	50.6	
A 3 C19-C36 Aliphatics						
2	13.300	8.500 - 18.100		531497	367.1	
32 Benzo[k]fluoranthene						
1	13.924	13.924	0.000	69953	54.4	
33 n-Octacosane						
2	13.946	13.946	0.000	53354	49.3	
34 Benzo[b]fluoranthene						
1	13.954	13.954	0.000	70357	54.9	
35 Benzo[a]pyrene						
1	14.248	14.248	0.000	69279	54.7	
36 Triacontane						
2	14.628	14.628	0.000	52669	47.0	
37 Indeno[1,2,3-cd]pyrene						
1	15.426	15.426	0.000	62017	49.4	
38 Dibenz(a,h)anthracene						
1	15.470	15.470	0.000	64755	52.0	
39 Benzo[g,h,i]perylene						
1	15.742	15.740	0.002	59286	46.9	

Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
E 40 n-Hexatriacontane						
2	17.928	17.932	-0.004	49342	44.7	

QC Flag Legend

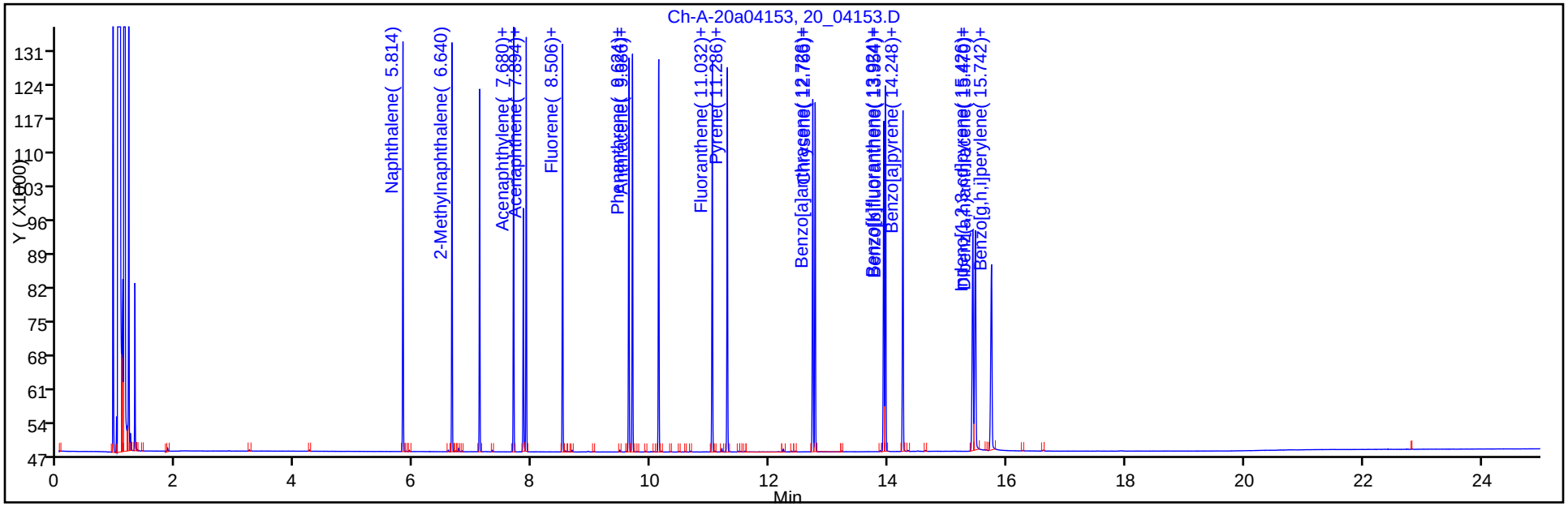
Review Flags
M - Manually Integrated

Report Date: 27-Dec-2012 07:12:25 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File:	\\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\20_04153.D		
Injection Date:	26-Dec-2012 14:37:37	Limit Group:	GC MAEPH ICAL
Client ID:		Instrument ID:	HP7890-20
Lims Batch ID:	97357	Lims Sample ID:	13
Operator ID:	tchrom	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



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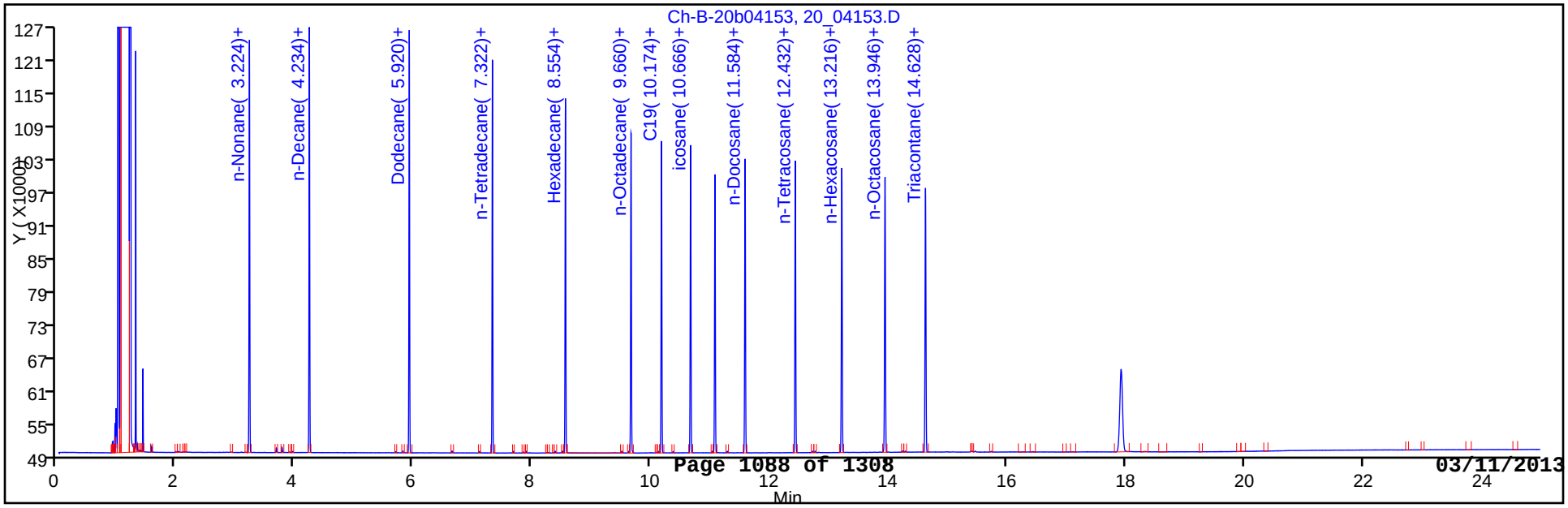


FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-30197-1

SDG No.:

Lab Sample ID: CCV 480-97357/13 Calibration Date: 12/26/2012 14:37

Instrument ID: HP7890-20 Calib Start Date: 10/17/2012 16:40

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 10/17/2012 19:37

Lab File ID: 20_04153.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
n-Nonane	Ave	1175	1268		54.0	50.0	8.0	30.0
n-Decane	Ave	1190	1274		53.6	50.0	7.1	25.0
Dodecane	Ave	1192	1243		52.2	50.0	4.3	25.0
C9-C18 Aliphatics	Ave	1186	1214		307	300	2.3	25.0
n-Tetradecane	Ave	1179	1188		50.4	50.0	0.8	25.0
Hexadecane	Ave	1127	1116		49.5	50.0	-0.9	25.0
n-Octadecane	Ave	1082	1068		49.4	50.0	-1.3	25.0
C19	Ave	1042	1041		49.9	50.0	-0.1	25.0
icosane	Ave	1024	1039		50.8	50.0	1.5	25.0
n-Docosane	Ave	997	1038		52.0	50.0	4.0	25.0
n-Tetracosane	Ave	1011	1051		52.0	50.0	4.0	25.0
n-Hexacosane	Ave	1051	1062		50.6	50.0	1.1	25.0
C19-C36 Aliphatics	Ave	1167	1329		367	400	13.8	25.0
n-Octacosane	Ave	1082	1067		49.3	50.0	-1.4	25.0
Triacontane	Ave	1121	1053		47.0	50.0	-6.1	25.0
n-Hexatriacontane	Ave	1103	986.8		44.7	50.0	-10.5	25.0
1-Chlorooctadecane	Ave	860.5	941.7		54.7	50.0	9.4	25.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-30197-1

SDG No.:

Lab Sample ID: CCV 480-97357/13 Calibration Date: 12/26/2012 14:37

Instrument ID: HP7890-20 Calib Start Date: 10/17/2012 16:40

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 10/17/2012 19:37

Lab File ID: 20_04153.D

Analyte	RT	RT WINDOW	
		FROM	TO
n-Nonane	3.22	3.21	3.24
n-Decane	4.23	4.22	4.25
Dodecane	5.92	5.91	5.94
C9-C18 Aliphatics	6.40	3.00	9.80
n-Tetradecane	7.32	7.31	7.34
Hexadecane	8.55	8.54	8.57
n-Octadecane	9.66	9.65	9.68
C19	10.17	10.16	10.19
icosane	10.67	10.65	10.68
n-Docosane	11.58	11.57	11.60
n-Tetracosane	12.43	12.42	12.45
n-Hexacosane	13.22	13.20	13.23
C19-C36 Aliphatics	13.30	8.50	18.10
n-Octacosane	13.95	13.93	13.96
Triacontane	14.63	14.61	14.64
n-Hexatriacontane	17.93	17.91	17.95
1-Chlorooctadecane	11.08	11.06	11.09

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\20_04153.D
Lims ID: ccv Client ID:
Inject. Date: 26-Dec-2012 14:37:37 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID:
Misc. Info.:
Operator: tchrom Instrument ID: HP7890-20
Injection Vol: 1.0 ul ALS Bottle#: 0
Lims Batch ID: 97357 Lims Sample ID: 13
Sublist: chrom-7890-EPH*sub7
Detector 1 : Ch-A-20-01-a-020
Detector 2 : Ch-B-20-01-b-020

Method: \\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\7890-EPH.m
Last Update: 27-Dec-2012 07:12:25 Calib Date: 17-Oct-2012 19:37:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\BUFCHROM\ChromData\HP7890-20\20121017-15821.b\20-02-_-038.D
Limit Group: GC MAEPH ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK012

First Level Reviewer: bescod Date: 27-Dec-2012 07:12:25

Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
6 n-Nonane						
2	3.224	3.222	0.002	63412	54.0	
7 n-Decane						M
2	4.234	4.234	0.000	63715	53.6	M
8 Naphthalene						
1	5.814	5.814	0.000	65911	59.0	
9 Dodecane						
2	5.920	5.920	0.000	62146	52.2	
A 4 C9-C18 Aliphatics						M
2	6.400	3.000 -	9.800	364086	307.2	M
10 2-Methylnaphthalene						
1	6.640	6.640	0.000	66924	58.8	
$ 11 2-Fluorobiphenyl						
1	7.108	7.106	0.002	59163	58.0	
12 n-Tetradecane						
2	7.322	7.322	0.000	59416	50.4	
13 Acenaphthylene						
1	7.680	7.680	0.000	68297	57.6	
$ 14 2-Bromonaphthalene						
1	7.844	7.844	0.000	41681	57.1	
15 Acenaphthene						
1	7.894	7.892	0.002	68710	57.4	
16 Fluorene						
1	8.506	8.506	0.000	69282	56.9	
17 Hexadecane						
2	8.554	8.554	0.000	55820	49.5	

Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
18 Phenanthrene						
1	9.624	9.624	0.000	68650	54.9	
19 n-Octadecane						
2	9.660	9.662	-0.002	53398	49.4	
20 Anthracene						
1	9.686	9.684	0.002	69245	55.8	
$ 21 o-Terphenyl						
1	10.128	10.128	0.000	70619	57.0	
22 C19						
2	10.174	10.176	-0.002	52052	49.9	
23 icosane						
2	10.666	10.666	0.000	51966	50.8	
24 Fluoranthene						
1	11.032	11.030	0.002	70133	53.9	
$ 25 1-Chlorooctadecane						
2	11.076	11.076	0.000	47086	54.7	
26 Pyrene						
1	11.286	11.284	0.002	70265	53.8	
27 n-Docosane						
2	11.584	11.586	-0.002	51881	52.0	
A 5 C11-C22 Aromatics						
1	11.650	7.500 - 15.800		1022958	885.5	
28 n-Tetracosane						
2	12.432	12.432	0.000	52550	52.0	
29 Benzo[a]anthracene						
1	12.726	12.726	0.000	69145	54.4	
30 Chrysene						
1	12.766	12.766	0.000	66877	54.7	
31 n-Hexacosane						
2	13.216	13.216	0.000	53124	50.6	
A 3 C19-C36 Aliphatics						
2	13.300	8.500 - 18.100		531497	367.1	
32 Benzo[k]fluoranthene						
1	13.924	13.924	0.000	69953	54.4	
33 n-Octacosane						
2	13.946	13.946	0.000	53354	49.3	
34 Benzo[b]fluoranthene						
1	13.954	13.954	0.000	70357	54.9	
35 Benzo[a]pyrene						
1	14.248	14.248	0.000	69279	54.7	
36 Triacontane						
2	14.628	14.628	0.000	52669	47.0	
37 Indeno[1,2,3-cd]pyrene						
1	15.426	15.426	0.000	62017	49.4	
38 Dibenz(a,h)anthracene						
1	15.470	15.470	0.000	64755	52.0	
39 Benzo[g,h,i]perylene						
1	15.742	15.740	0.002	59286	46.9	

Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
E 40 n-Hexatriacontane						
2	17.928	17.932	-0.004	49342	44.7	

QC Flag Legend

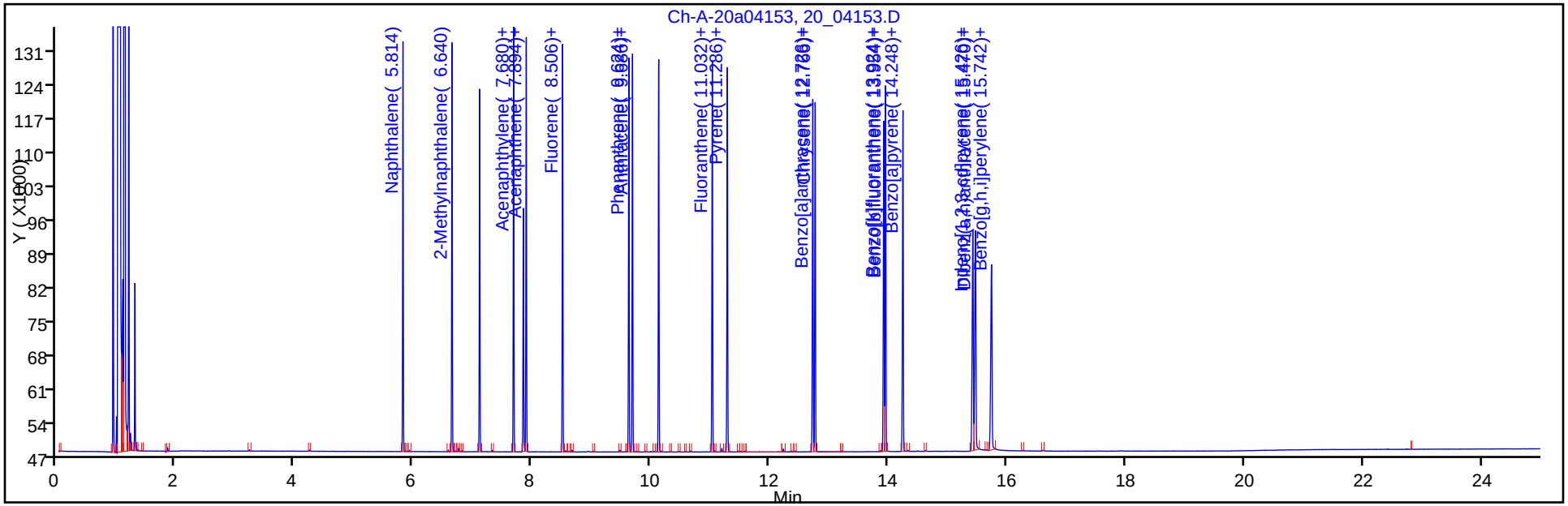
Review Flags
M - Manually Integrated

Report Date: 27-Dec-2012 07:12:26 Chrom Revision: 2.0 22-Oct-2012 16:30:48

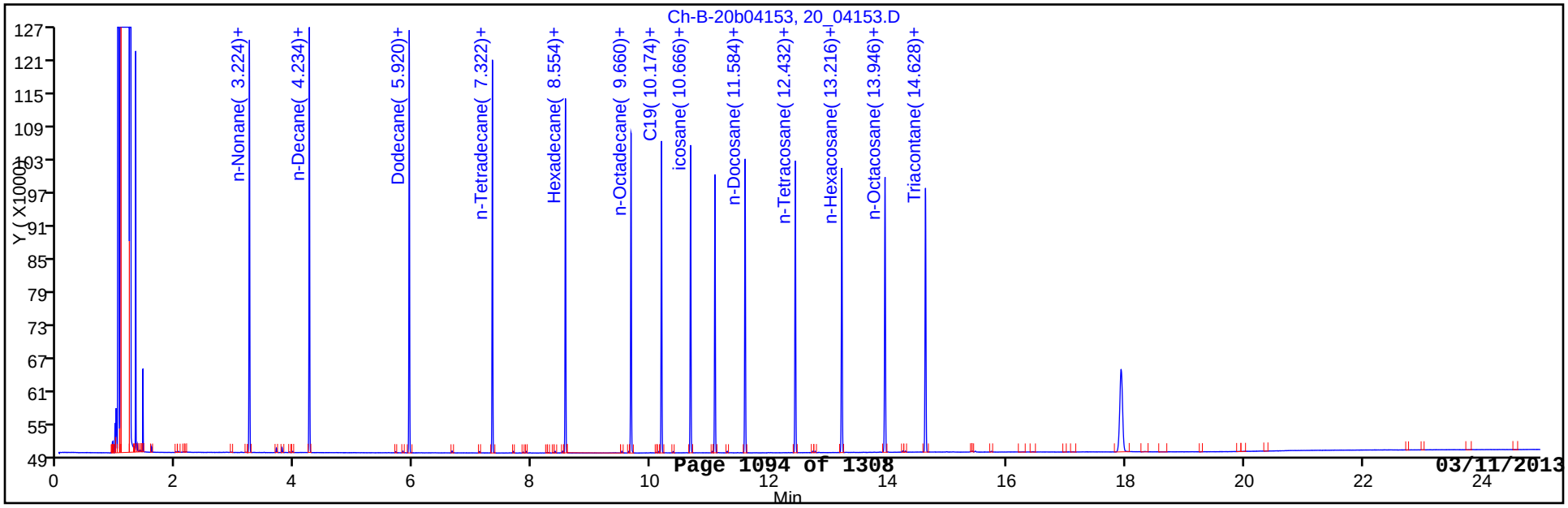
TestAmerica Buffalo

Data File:	\\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\20_04153.D		
Injection Date:	26-Dec-2012 14:37:37	Limit Group:	GC MAEPH ICAL
Client ID:		Instrument ID:	HP7890-20
Lims Batch ID:	97357	Lims Sample ID:	13
Operator ID:	tchrom	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



Report Date: 27-Dec-2012 07:12:26 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

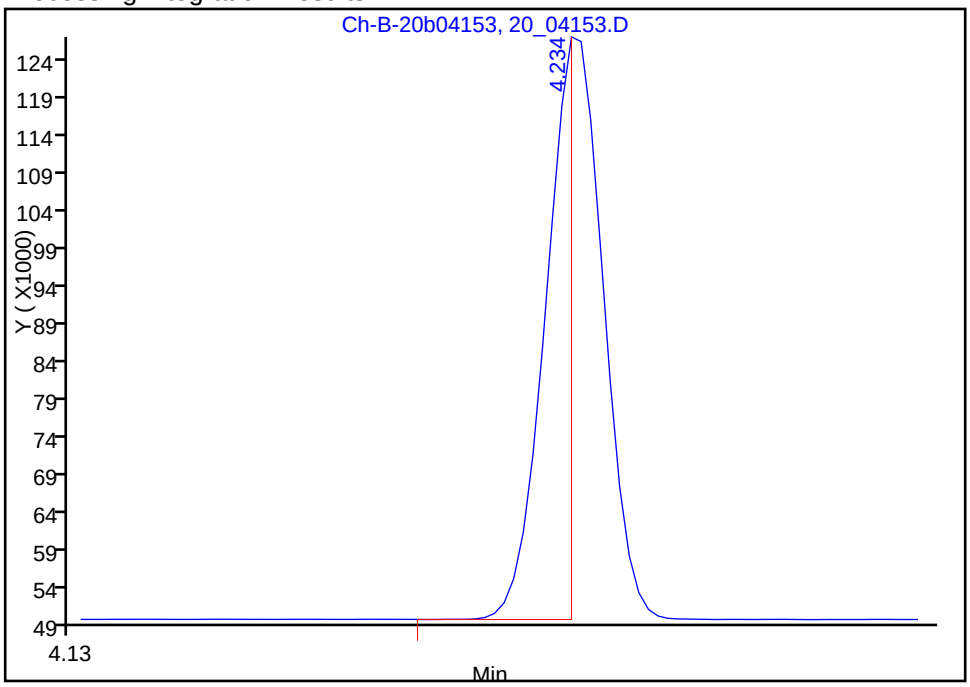
TestAmerica Buffalo

Data File:	\\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\20_04153.D		
Injection Date:	26-Dec-2012 14:37:37	Limit Group:	GC MAEPH ICAL
Client ID:		Instrument ID:	HP7890-20
Lims Batch ID:	97357	Lims Sample ID:	13
Operator ID:	tchrom	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

7 n-Decane, Signal: 1, Type: quant, RT: 4.23, Det: Ch-B-20-01-b-020

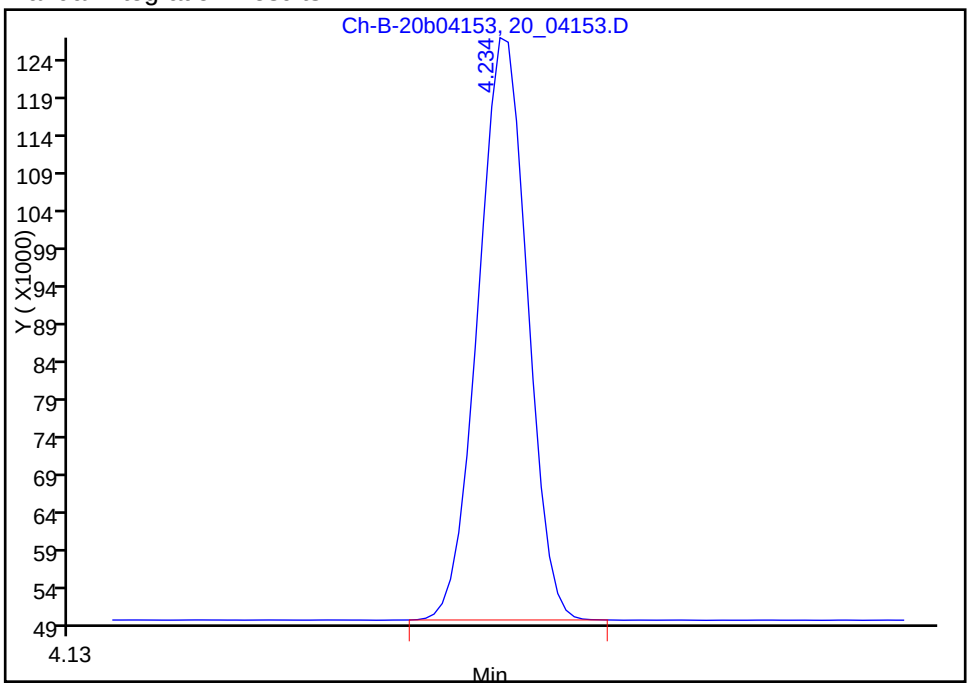
Processing Integration Results

RT: 4.23
Response: 28505
Amount: 23.958455



Manual Integration Results

RT: 4.23
Response: 63715
Amount: 53.552464



Reviewer: bescod, 27-Dec-2012 07:12:25
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

Report Date: 27-Dec-2012 07:12:26 Chrom Revision: 2.0 22-Oct-2012 16:30:48

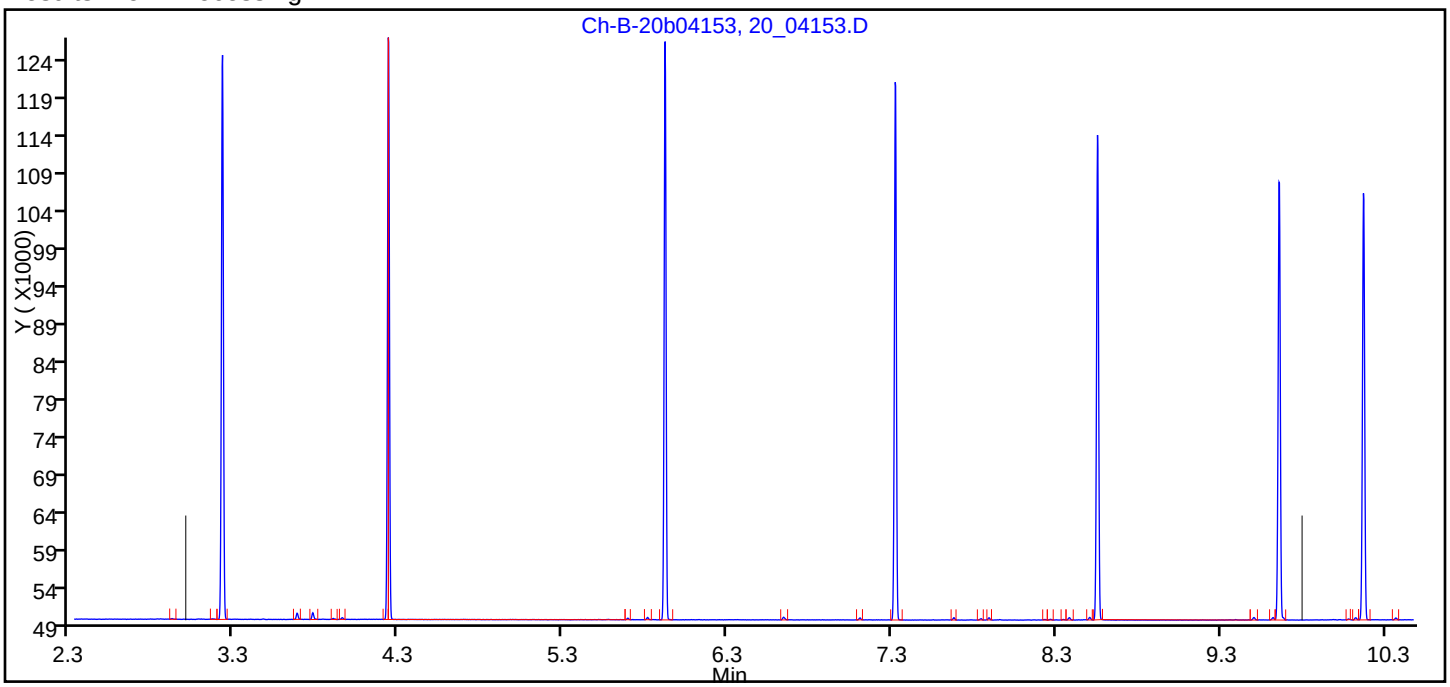
User Disabled Compound Report

TestAmerica Buffalo

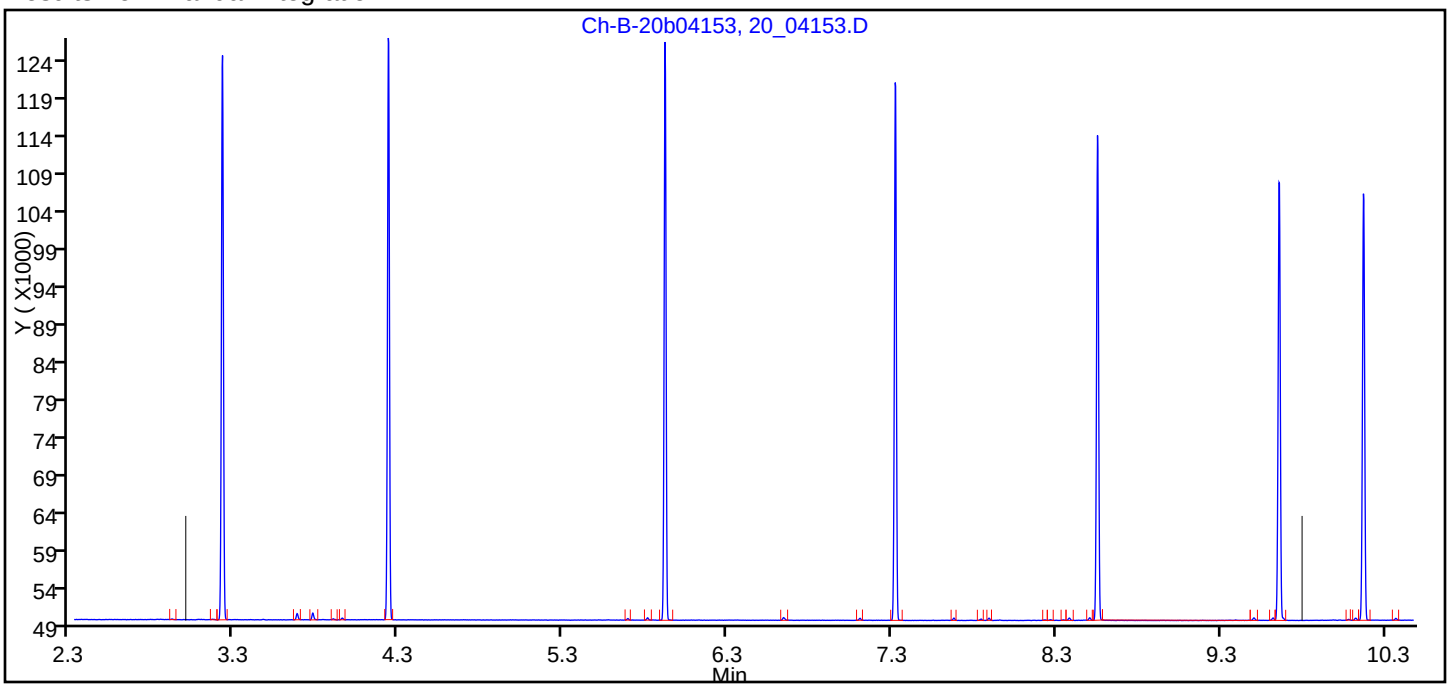
Data File:	\\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\20_04153.D		
Injection Date:	26-Dec-2012 14:37:37	Limit Group:	GC MAEPH ICAL
Client ID:		Instrument ID:	HP7890-20
Lims Batch ID:	97357	Lims Sample ID:	13
Operator ID:	tchrom	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

A 4 C9-C18 Aliphatics, Signal: 1, Type: quant, RT: 6.40, Det: Ch-B-20-01-b-020

Results From Processing



Results from Manual Integration



Reviewer: bescod, 27-Dec-2012 07:12:25

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-30197-1

SDG No.:

Lab Sample ID: CCV 480-97357/19 Calibration Date: 12/26/2012 17:34

Instrument ID: HP7890-20 Calib Start Date: 10/17/2012 16:40

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 10/17/2012 19:37

Lab File ID: 20_04159.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Naphthalene	Ave	1116	1292		57.8	50.0	15.7	25.0
2-Methylnaphthalene	Ave	1138	1312		57.6	50.0	15.3	25.0
Acenaphthylene	Ave	1185	1336		56.4	50.0	12.8	25.0
Acenaphthene	Ave	1197	1344		56.1	50.0	12.3	25.0
Fluorene	Ave	1217	1356		55.7	50.0	11.4	25.0
Phenanthrene	Ave	1251	1344		53.8	50.0	7.5	25.0
Anthracene	Ave	1241	1354		54.5	50.0	9.1	25.0
Fluoranthene	Ave	1302	1374		52.8	50.0	5.6	25.0
Pyrene	Ave	1307	1377		52.7	50.0	5.4	25.0
C11-C22 Aromatics	Ave	1294	1175		865	850	-9.1	25.0
Benzo[a]anthracene	Ave	1271	1360		53.5	50.0	7.0	25.0
Chrysene	Ave	1223	1316		53.8	50.0	7.6	25.0
Benzo[k]fluoranthene	Ave	1286	1387		53.9	50.0	7.9	25.0
Benzo[b]fluoranthene	Ave	1281	1374		53.6	50.0	7.2	25.0
Benzo[a]pyrene	Ave	1267	1362		53.7	50.0	7.5	25.0
Indeno[1,2,3-cd]pyrene	Ave	1255	1196		47.7	50.0	-4.7	25.0
Dibenz(a,h)anthracene	Ave	1245	1257		50.4	50.0	0.9	25.0
Benzo[g,h,i]perylene	Ave	1264	1135		44.9	50.0	-10.2	25.0
2-Fluorobiphenyl	Ave	1018	1161		57.0	50.0	14.0	25.0
2-Bromonaphthalene	Ave	729.5	815.4		55.9	50.0	11.8	25.0
o-Terphenyl	Ave	1238	1382		55.8	50.0	11.6	25.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-30197-1

SDG No.:

Lab Sample ID: CCV 480-97357/19 Calibration Date: 12/26/2012 17:34

Instrument ID: HP7890-20 Calib Start Date: 10/17/2012 16:40

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 10/17/2012 19:37

Lab File ID: 20_04159.D

Analyte	RT	RT WINDOW	
		FROM	TO
Naphthalene	5.81	5.80	5.83
2-Methylnaphthalene	6.64	6.63	6.66
Acenaphthylene	7.68	7.67	7.70
Acenaphthene	7.89	7.88	7.91
Fluorene	8.51	8.49	8.52
Phenanthrene	9.62	9.61	9.64
Anthracene	9.68	9.67	9.70
Fluoranthene	11.03	11.02	11.05
Pyrene	11.28	11.27	11.30
C11-C22 Aromatics	11.65	7.50	15.80
Benzo[a]anthracene	12.73	12.71	12.74
Chrysene	12.77	12.75	12.78
Benzo[k]fluoranthene	13.92	13.91	13.94
Benzo[b]fluoranthene	13.95	13.94	13.97
Benzo[a]pyrene	14.25	14.23	14.26
Indeno[1,2,3-cd]pyrene	15.43	15.41	15.44
Dibenz(a,h)anthracene	15.47	15.46	15.49
Benzo[g,h,i]perylene	15.74	15.73	15.76
2-Fluorobiphenyl	7.11	7.09	7.12
2-Bromonaphthalene	7.84	7.83	7.86
o-Terphenyl	10.13	10.11	10.14

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\20_04159.D
Lims ID: ccv Client ID:
Inject. Date: 26-Dec-2012 17:34:15 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID:
Misc. Info.:
Operator: tchrom Instrument ID: HP7890-20
Injection Vol: 1.0 ul ALS Bottle#: 0
Lims Batch ID: 97357 Lims Sample ID: 19
Sublist: chrom-7890-EPH*sub7
Detector 1 : Ch-A-20-01-a-020
Detector 2 : Ch-B-20-01-b-020

Method: \\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\7890-EPH.m
Last Update: 27-Dec-2012 07:22:07 Calib Date: 17-Oct-2012 19:37:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\BUFCHROM\ChromData\HP7890-20\20121017-15821.b\20-02-_-038.D
Limit Group: GC MAEPH ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK012

First Level Reviewer: bescod Date: 27-Dec-2012 07:21:51

Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
6 n-Nonane						
2	3.224	3.222	0.002	60408	51.4	
7 n-Decane						
2	4.236	4.234	0.002	61100	51.4	
8 Naphthalene						
1	5.812	5.814	-0.002	64576	57.8	
9 Dodecane						
2	5.920	5.920	0.000	59715	50.1	
A 4 C9-C18 Aliphatics						
2	6.400	3.000 -	9.800	345672	291.7	
10 2-Methylnaphthalene						
1	6.640	6.640	0.000	65577	57.6	
$ 11 2-Fluorobiphenyl						
1	7.106	7.106	0.000	58047	57.0	
12 n-Tetradecane						
2	7.324	7.322	0.002	56831	48.2	
13 Acenaphthylene						
1	7.680	7.680	0.000	66813	56.4	
$ 14 2-Bromonaphthalene						
1	7.844	7.844	0.000	40770	55.9	
15 Acenaphthene						
1	7.892	7.892	0.000	67221	56.1	
16 Fluorene						
1	8.506	8.506	0.000	67790	55.7	
17 Hexadecane						
2	8.554	8.554	0.000	52958	47.0	

Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
18 Phenanthrene						
1	9.624	9.624	0.000	67220	53.8	
19 n-Octadecane						
2	9.662	9.662	0.000	50485	46.7	
20 Anthracene						
1	9.684	9.684	0.000	67685	54.5	
$ 21 o-Terphenyl						
1	10.126	10.128	-0.002	69088	55.8	
22 C19						
2	10.176	10.176	0.000	49381	47.4	
23 icosane						
2	10.666	10.666	0.000	49611	48.5	
24 Fluoranthene						
1	11.030	11.030	0.000	68690	52.8	
$ 25 1-Chlorooctadecane						
2	11.076	11.076	0.000	45111	52.4	
26 Pyrene						
1	11.284	11.284	0.000	68874	52.7	
27 n-Docosane						
2	11.586	11.586	0.000	49996	50.1	
A 5 C11-C22 Aromatics						
1	11.650	7.500 - 15.800		999120	864.9	
28 n-Tetracosane						
2	12.432	12.432	0.000	51245	50.7	
29 Benzo[a]anthracene						
1	12.726	12.726	0.000	67986	53.5	
30 Chrysene						
1	12.766	12.766	0.000	65824	53.8	
31 n-Hexacosane						
2	13.216	13.216	0.000	52214	49.7	
A 3 C19-C36 Aliphatics						
2	13.300	8.500 - 18.100		513388	354.5	
32 Benzo[k]fluoranthene						
1	13.924	13.924	0.000	69360	53.9	
33 n-Octacosane						
2	13.944	13.946	-0.002	52767	48.8	
34 Benzo[b]fluoranthene						
1	13.954	13.954	0.000	68678	53.6	
35 Benzo[a]pyrene						
1	14.248	14.248	0.000	68111	53.7	
36 Triacontane						
2	14.628	14.628	0.000	52128	46.5	
37 Indeno[1,2,3-cd]pyrene						
1	15.426	15.426	0.000	59820	47.7	
38 Dibenz(a,h)anthracene						
1	15.468	15.470	-0.002	62825	50.4	
39 Benzo[g,h,i]perylene						
1	15.740	15.740	0.000	56765	44.9	

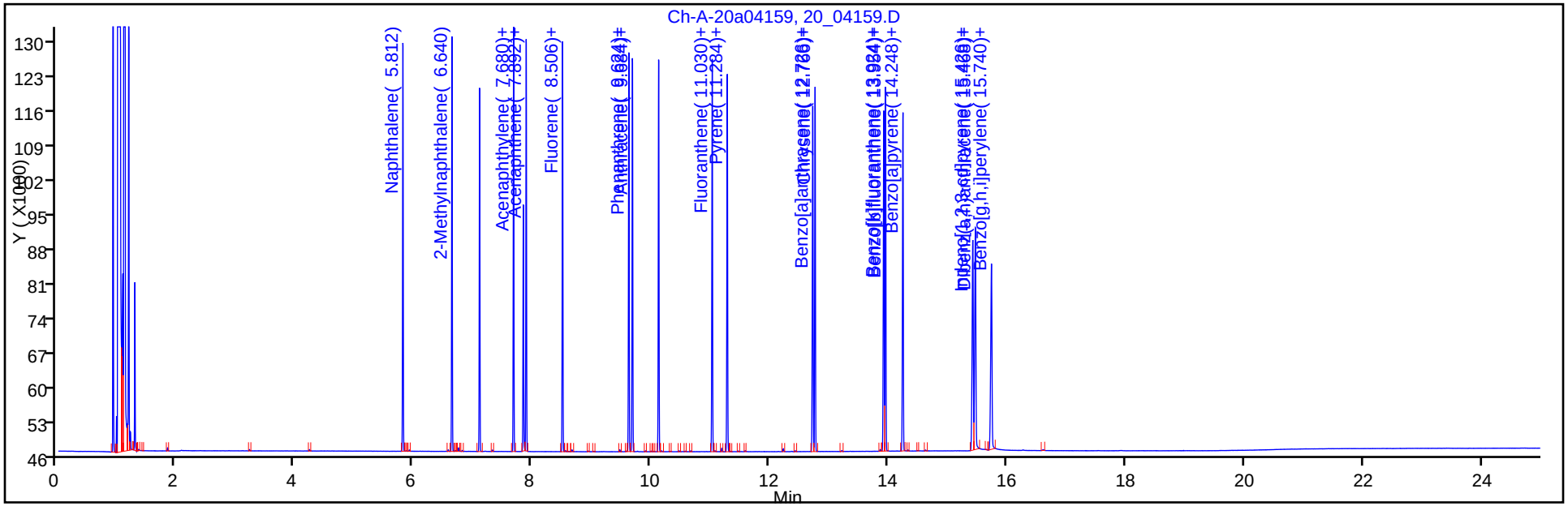
Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
E 40 n-Hexatriacontane						
2	17.928	17.932	-0.004	48194	43.7	

Report Date: 27-Dec-2012 07:22:07 Chrom Revision: 2.0 22-Oct-2012 16:30:48

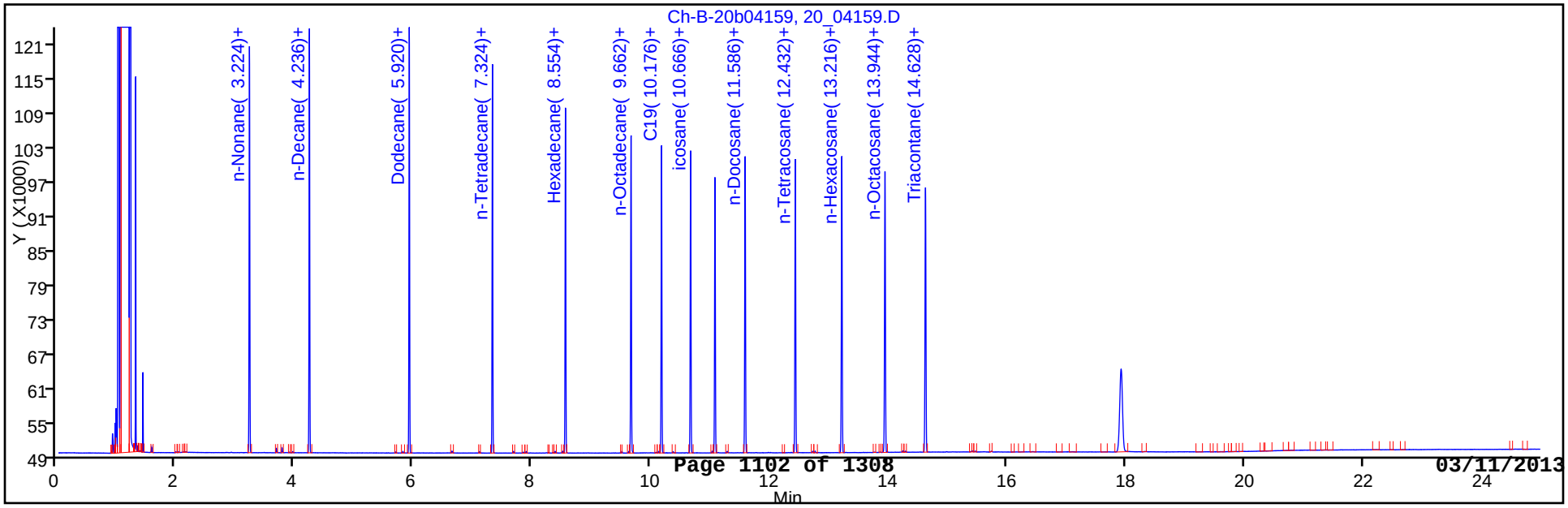
TestAmerica Buffalo

Data File:	\\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\20_04159.D		
Injection Date:	26-Dec-2012 17:34:15	Limit Group:	GC MAEPH ICAL
Client ID:		Instrument ID:	HP7890-20
Lims Batch ID:	97357	Lims Sample ID:	19
Operator ID:	tchrom	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-30197-1

SDG No.:

Lab Sample ID: CCV 480-97357/19 Calibration Date: 12/26/2012 17:34

Instrument ID: HP7890-20 Calib Start Date: 10/17/2012 16:40

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 10/17/2012 19:37

Lab File ID: 20_04159.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
n-Nonane	Ave	1175	1208		51.4	50.0	2.8	30.0
n-Decane	Ave	1190	1222		51.4	50.0	2.7	25.0
Dodecane	Ave	1192	1194		50.1	50.0	0.2	25.0
C9-C18 Aliphatics	Ave	1186	1152		292	300	-2.8	25.0
n-Tetradecane	Ave	1179	1137		48.2	50.0	-3.6	25.0
Hexadecane	Ave	1127	1059		47.0	50.0	-6.0	25.0
n-Octadecane	Ave	1082	1010		46.7	50.0	-6.7	25.0
C19	Ave	1042	987.6		47.4	50.0	-5.3	25.0
icosane	Ave	1024	992.2		48.5	50.0	-3.1	25.0
n-Docosane	Ave	997	1000		50.1	50.0	0.3	25.0
n-Tetracosane	Ave	1011	1025		50.7	50.0	1.4	25.0
n-Hexacosane	Ave	1051	1044		49.7	50.0	-0.6	25.0
C19-C36 Aliphatics	Ave	1167	1283		355	400	10.0	25.0
n-Octacosane	Ave	1082	1055		48.8	50.0	-2.5	25.0
Triacontane	Ave	1121	1043		46.5	50.0	-7.0	25.0
n-Hexatriacontane	Ave	1103	963.9		43.7	50.0	-12.6	25.0
1-Chlorooctadecane	Ave	860.5	902.2		52.4	50.0	4.8	25.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-30197-1

SDG No.:

Lab Sample ID: CCV 480-97357/19 Calibration Date: 12/26/2012 17:34

Instrument ID: HP7890-20 Calib Start Date: 10/17/2012 16:40

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 10/17/2012 19:37

Lab File ID: 20_04159.D

Analyte	RT	RT WINDOW	
		FROM	TO
n-Nonane	3.22	3.21	3.24
n-Decane	4.24	4.22	4.25
Dodecane	5.92	5.91	5.94
C9-C18 Aliphatics	6.40	3.00	9.80
n-Tetradecane	7.32	7.31	7.34
Hexadecane	8.55	8.54	8.57
n-Octadecane	9.66	9.65	9.68
C19	10.18	10.16	10.19
icosane	10.67	10.65	10.68
n-Docosane	11.59	11.57	11.60
n-Tetracosane	12.43	12.42	12.45
n-Hexacosane	13.22	13.20	13.23
C19-C36 Aliphatics	13.30	8.50	18.10
n-Octacosane	13.94	13.93	13.96
Triacontane	14.63	14.61	14.64
n-Hexatriacontane	17.93	17.91	17.95
1-Chlorooctadecane	11.08	11.06	11.09

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\20_04159.D
Lims ID: ccv Client ID:
Inject. Date: 26-Dec-2012 17:34:15 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID:
Misc. Info.:
Operator: tchrom Instrument ID: HP7890-20
Injection Vol: 1.0 ul ALS Bottle#: 0
Lims Batch ID: 97357 Lims Sample ID: 19
Sublist: chrom-7890-EPH*sub7
Detector 1 : Ch-A-20-01-a-020
Detector 2 : Ch-B-20-01-b-020

Method: \\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\7890-EPH.m
Last Update: 27-Dec-2012 07:22:07 Calib Date: 17-Oct-2012 19:37:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\BUFCHROM\ChromData\HP7890-20\20121017-15821.b\20-02-_-038.D
Limit Group: GC MAEPH ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK012

First Level Reviewer: bescod Date: 27-Dec-2012 07:21:51

Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
6 n-Nonane						
2	3.224	3.222	0.002	60408	51.4	
7 n-Decane						
2	4.236	4.234	0.002	61100	51.4	
8 Naphthalene						
1	5.812	5.814	-0.002	64576	57.8	
9 Dodecane						
2	5.920	5.920	0.000	59715	50.1	
A 4 C9-C18 Aliphatics						
2	6.400	3.000 -	9.800	345672	291.7	
10 2-Methylnaphthalene						
1	6.640	6.640	0.000	65577	57.6	
$ 11 2-Fluorobiphenyl						
1	7.106	7.106	0.000	58047	57.0	
12 n-Tetradecane						
2	7.324	7.322	0.002	56831	48.2	
13 Acenaphthylene						
1	7.680	7.680	0.000	66813	56.4	
$ 14 2-Bromonaphthalene						
1	7.844	7.844	0.000	40770	55.9	
15 Acenaphthene						
1	7.892	7.892	0.000	67221	56.1	
16 Fluorene						
1	8.506	8.506	0.000	67790	55.7	
17 Hexadecane						
2	8.554	8.554	0.000	52958	47.0	

Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
18 Phenanthrene						
1	9.624	9.624	0.000	67220	53.8	
19 n-Octadecane						
2	9.662	9.662	0.000	50485	46.7	
20 Anthracene						
1	9.684	9.684	0.000	67685	54.5	
$ 21 o-Terphenyl						
1	10.126	10.128	-0.002	69088	55.8	
22 C19						
2	10.176	10.176	0.000	49381	47.4	
23 icosane						
2	10.666	10.666	0.000	49611	48.5	
24 Fluoranthene						
1	11.030	11.030	0.000	68690	52.8	
$ 25 1-Chlorooctadecane						
2	11.076	11.076	0.000	45111	52.4	
26 Pyrene						
1	11.284	11.284	0.000	68874	52.7	
27 n-Docosane						
2	11.586	11.586	0.000	49996	50.1	
A 5 C11-C22 Aromatics						
1	11.650	7.500 - 15.800		999120	864.9	
28 n-Tetracosane						
2	12.432	12.432	0.000	51245	50.7	
29 Benzo[a]anthracene						
1	12.726	12.726	0.000	67986	53.5	
30 Chrysene						
1	12.766	12.766	0.000	65824	53.8	
31 n-Hexacosane						
2	13.216	13.216	0.000	52214	49.7	
A 3 C19-C36 Aliphatics						
2	13.300	8.500 - 18.100		513388	354.5	
32 Benzo[k]fluoranthene						
1	13.924	13.924	0.000	69360	53.9	
33 n-Octacosane						
2	13.944	13.946	-0.002	52767	48.8	
34 Benzo[b]fluoranthene						
1	13.954	13.954	0.000	68678	53.6	
35 Benzo[a]pyrene						
1	14.248	14.248	0.000	68111	53.7	
36 Triacontane						
2	14.628	14.628	0.000	52128	46.5	
37 Indeno[1,2,3-cd]pyrene						
1	15.426	15.426	0.000	59820	47.7	
38 Dibenz(a,h)anthracene						
1	15.468	15.470	-0.002	62825	50.4	
39 Benzo[g,h,i]perylene						
1	15.740	15.740	0.000	56765	44.9	

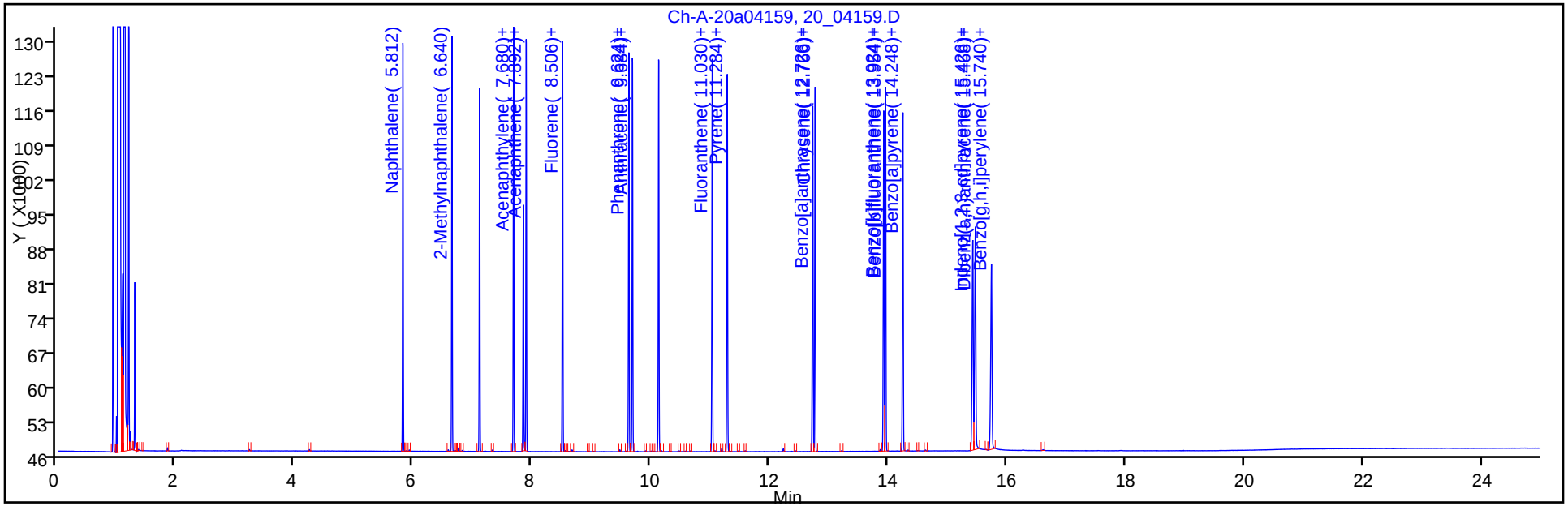
Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
E 40 n-Hexatriacontane						
2	17.928	17.932	-0.004	48194	43.7	

Report Date: 27-Dec-2012 07:22:08 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File:	\\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\20_04159.D		
Injection Date:	26-Dec-2012 17:34:15	Limit Group:	GC MAEPH ICAL
Client ID:		Instrument ID:	HP7890-20
Lims Batch ID:	97357	Lims Sample ID:	19
Operator ID:	tchrom	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



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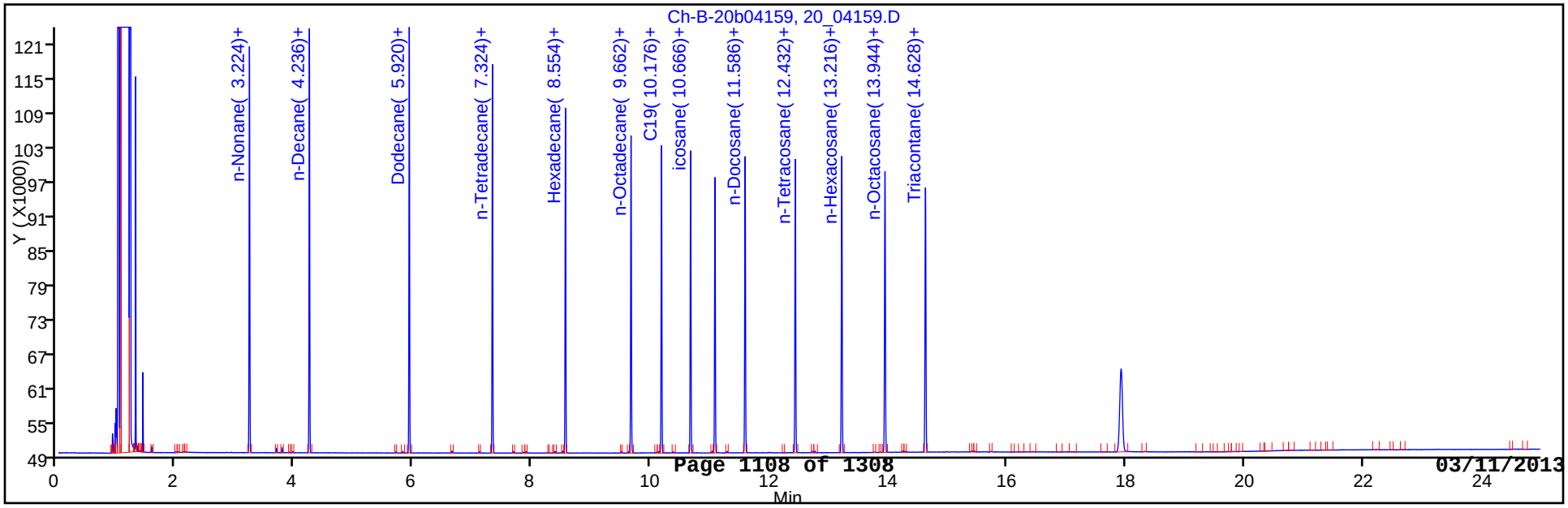


FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-30197-1

SDG No.:

Lab Sample ID: CCV 480-97357/28 Calibration Date: 12/26/2012 21:59

Instrument ID: HP7890-20 Calib Start Date: 10/17/2012 16:40

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 10/17/2012 19:37

Lab File ID: 20_04168.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Naphthalene	Ave	1116	1287		57.6	50.0	15.2	25.0
2-Methylnaphthalene	Ave	1138	1307		57.4	50.0	14.9	25.0
Acenaphthylene	Ave	1185	1331		56.2	50.0	12.4	25.0
Acenaphthene	Ave	1197	1340		56.0	50.0	11.9	25.0
Fluorene	Ave	1217	1351		55.5	50.0	11.0	25.0
Phenanthrene	Ave	1251	1343		53.7	50.0	7.4	25.0
Anthracene	Ave	1241	1353		54.5	50.0	9.0	25.0
Fluoranthene	Ave	1302	1373		52.7	50.0	5.5	25.0
Pyrene	Ave	1307	1376		52.7	50.0	5.3	25.0
C11-C22 Aromatics	Ave	1294	1166		858	850	-9.8	25.0
Benzo[a]anthracene	Ave	1271	1359		53.5	50.0	6.9	25.0
Chrysene	Ave	1223	1314		53.7	50.0	7.4	25.0
Benzo[k]fluoranthene	Ave	1286	1383		53.8	50.0	7.6	25.0
Benzo[b]fluoranthene	Ave	1281	1373		53.6	50.0	7.1	25.0
Benzo[a]pyrene	Ave	1267	1359		53.6	50.0	7.2	25.0
Indeno[1,2,3-cd]pyrene	Ave	1255	1153		45.9	50.0	-8.2	25.0
Dibenz(a,h)anthracene	Ave	1245	1215		48.8	50.0	-2.4	25.0
Benzo[g,h,i]perylene	Ave	1264	1096		43.4	50.0	-13.3	25.0
2-Fluorobiphenyl	Ave	1018	1155		56.6	50.0	13.4	25.0
2-Bromonaphthalene	Ave	729.5	812.3		55.7	50.0	11.4	25.0
o-Terphenyl	Ave	1238	1381		55.8	50.0	11.6	25.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-30197-1

SDG No.:

Lab Sample ID: CCV 480-97357/28 Calibration Date: 12/26/2012 21:59

Instrument ID: HP7890-20 Calib Start Date: 10/17/2012 16:40

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 10/17/2012 19:37

Lab File ID: 20_04168.D

Analyte	RT	RT WINDOW	
		FROM	TO
Naphthalene	5.81	5.80	5.83
2-Methylnaphthalene	6.64	6.63	6.66
Acenaphthylene	7.68	7.67	7.70
Acenaphthene	7.89	7.88	7.91
Fluorene	8.51	8.49	8.52
Phenanthrene	9.62	9.61	9.64
Anthracene	9.68	9.67	9.70
Fluoranthene	11.03	11.02	11.05
Pyrene	11.28	11.27	11.30
C11-C22 Aromatics	11.65	7.50	15.80
Benzo[a]anthracene	12.73	12.71	12.74
Chrysene	12.77	12.75	12.78
Benzo[k]fluoranthene	13.92	13.91	13.94
Benzo[b]fluoranthene	13.95	13.94	13.97
Benzo[a]pyrene	14.25	14.23	14.26
Indeno[1,2,3-cd]pyrene	15.43	15.41	15.44
Dibenz(a,h)anthracene	15.47	15.46	15.49
Benzo[g,h,i]perylene	15.74	15.73	15.76
2-Fluorobiphenyl	7.11	7.09	7.12
2-Bromonaphthalene	7.84	7.83	7.86
o-Terphenyl	10.13	10.11	10.14

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\20_04168.D
Lims ID: ccv Client ID:
Inject. Date: 26-Dec-2012 21:59:29 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID:
Misc. Info.:
Operator: tchrom Instrument ID: HP7890-20
Injection Vol: 1.0 ul ALS Bottle#: 0
Lims Batch ID: 97357 Lims Sample ID: 28
Sublist: chrom-7890-EPH*sub7
Detector 1 : Ch-A-20-01-a-020
Detector 2 : Ch-B-20-01-b-020

Method: \\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\7890-EPH.m
Last Update: 27-Dec-2012 07:21:34 Calib Date: 17-Oct-2012 19:37:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\BUFCHROM\ChromData\HP7890-20\20121017-15821.b\20-02-_-038.D
Limit Group: GC MAEPH ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK012

First Level Reviewer: bescod Date: 27-Dec-2012 07:21:34

Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
6 n-Nonane						
2	3.222	3.222	0.000	61938	52.7	
7 n-Decane						
2	4.234	4.234	0.000	62560	52.6	
8 Naphthalene						
1	5.814	5.814	0.000	64327	57.6	
9 Dodecane						
2	5.920	5.920	0.000	60892	51.1	
A 4 C9-C18 Aliphatics						
2	6.400	3.000 -	9.800	356049	300.4	
10 2-Methylnaphthalene						
1	6.640	6.640	0.000	65334	57.4	
$ 11 2-Fluorobiphenyl						
1	7.106	7.106	0.000	57727	56.6	
12 n-Tetradecane						
2	7.322	7.322	0.000	57878	49.1	
13 Acenaphthylene						
1	7.680	7.680	0.000	66569	56.2	
$ 14 2-Bromonaphthalene						
1	7.844	7.844	0.000	40617	55.7	
15 Acenaphthene						
1	7.892	7.892	0.000	67018	56.0	
16 Fluorene						
1	8.506	8.506	0.000	67532	55.5	
17 Hexadecane						
2	8.554	8.554	0.000	53968	47.9	

Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
18 Phenanthrene						
1	9.624	9.624	0.000	67151	53.7	
19 n-Octadecane						
2	9.662	9.662	0.000	51645	47.7	
20 Anthracene						
1	9.684	9.684	0.000	67652	54.5	
$ 21 o-Terphenyl						
1	10.128	10.128	0.000	69058	55.8	
22 C19						
2	10.176	10.176	0.000	50654	48.6	
23 icosane						
2	10.666	10.666	0.000	50891	49.7	
24 Fluoranthene						
1	11.030	11.030	0.000	68616	52.7	
$ 25 1-Chlorooctadecane						
2	11.076	11.076	0.000	46541	54.1	
26 Pyrene						
1	11.284	11.284	0.000	68819	52.7	
27 n-Docosane						
2	11.586	11.586	0.000	51613	51.7	
A 5 C11-C22 Aromatics						
1	11.650	7.500 - 15.800		991383	858.2	
28 n-Tetracosane						
2	12.432	12.432	0.000	52836	52.3	
29 Benzo[a]anthracene						
1	12.726	12.726	0.000	67943	53.5	
30 Chrysene						
1	12.766	12.766	0.000	65681	53.7	
31 n-Hexacosane						
2	13.216	13.216	0.000	53922	51.3	
A 3 C19-C36 Aliphatics						
2	13.300	8.500 - 18.100		531619	367.1	
32 Benzo[k]fluoranthene						
1	13.924	13.924	0.000	69172	53.8	
33 n-Octacosane						
2	13.946	13.946	0.000	54456	50.3	
34 Benzo[b]fluoranthene						
1	13.954	13.954	0.000	68644	53.6	
35 Benzo[a]pyrene						
1	14.248	14.248	0.000	67932	53.6	
36 Triacontane						
2	14.628	14.628	0.000	53992	48.2	
37 Indeno[1,2,3-cd]pyrene						
1	15.426	15.426	0.000	57628	45.9	
38 Dibenz(a,h)anthracene						
1	15.470	15.470	0.000	60774	48.8	
39 Benzo[g,h,i]perylene						
1	15.740	15.740	0.000	54807	43.4	

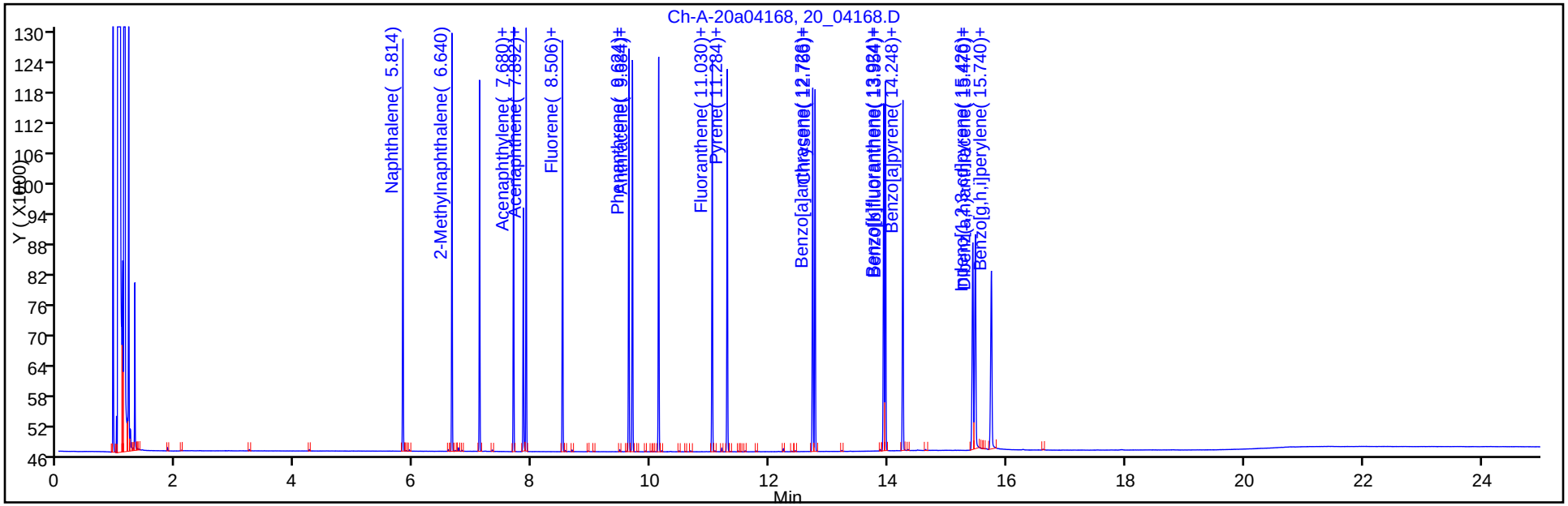
Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
E 40 n-Hexatriacontane						
2	17.932	17.932	0.000	49206	44.6	

Report Date: 27-Dec-2012 07:21:34 Chrom Revision: 2.0 22-Oct-2012 16:30:48

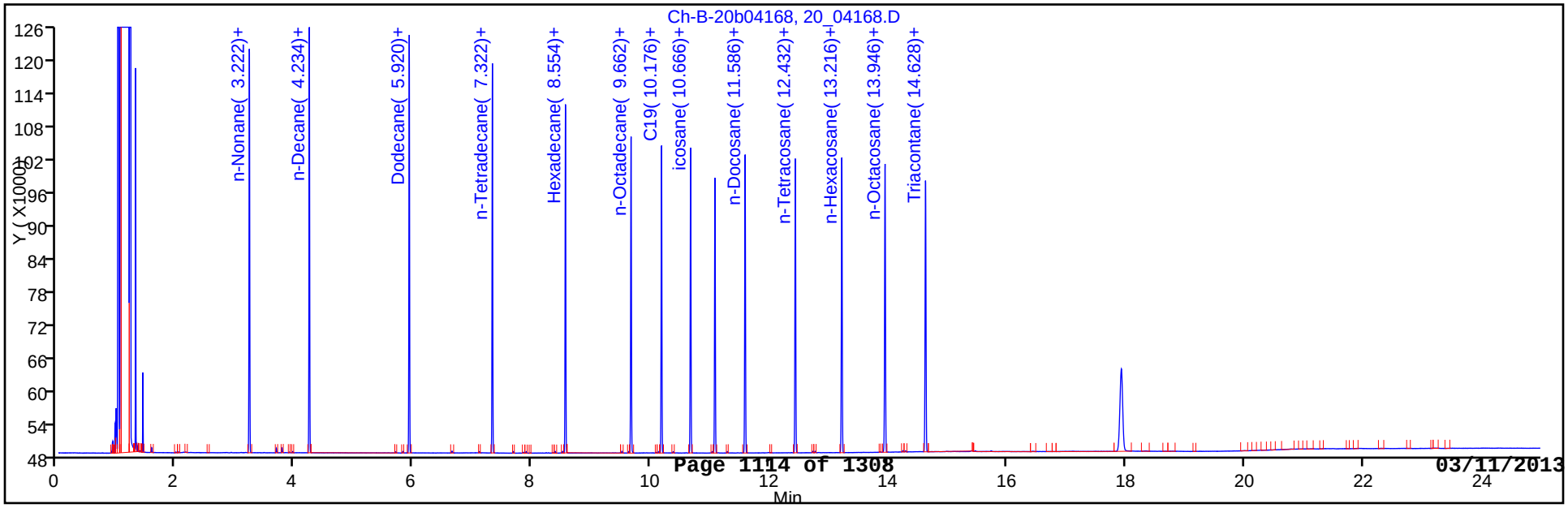
TestAmerica Buffalo

Data File:	\\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\20_04168.D		
Injection Date:	26-Dec-2012 21:59:29	Limit Group:	GC MAEPH ICAL
Client ID:		Instrument ID:	HP7890-20
Lims Batch ID:	97357	Lims Sample ID:	28
Operator ID:	tchrom	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-30197-1

SDG No.:

Lab Sample ID: CCV 480-97357/28 Calibration Date: 12/26/2012 21:59

Instrument ID: HP7890-20 Calib Start Date: 10/17/2012 16:40

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 10/17/2012 19:37

Lab File ID: 20_04168.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
n-Nonane	Ave	1175	1239		52.7	50.0	5.4	30.0
n-Decane	Ave	1190	1251		52.6	50.0	5.2	25.0
Dodecane	Ave	1192	1218		51.1	50.0	2.2	25.0
C9-C18 Aliphatics	Ave	1186	1187		300	300	0.0	25.0
n-Tetradecane	Ave	1179	1158		49.1	50.0	-1.8	25.0
Hexadecane	Ave	1127	1079		47.9	50.0	-4.2	25.0
n-Octadecane	Ave	1082	1033		47.7	50.0	-4.5	25.0
C19	Ave	1042	1013		48.6	50.0	-2.8	25.0
icosane	Ave	1024	1018		49.7	50.0	-0.6	25.0
n-Docosane	Ave	997	1032		51.7	50.0	3.5	25.0
n-Tetracosane	Ave	1011	1057		52.3	50.0	4.6	25.0
n-Hexacosane	Ave	1051	1078		51.3	50.0	2.6	25.0
C19-C36 Aliphatics	Ave	1167	1329		367	400	13.9	25.0
n-Octacosane	Ave	1082	1089		50.3	50.0	0.6	25.0
Triacontane	Ave	1121	1080		48.2	50.0	-3.7	25.0
n-Hexatriacontane	Ave	1103	984.1		44.6	50.0	-10.8	25.0
1-Chlorooctadecane	Ave	860.5	930.8		54.1	50.0	8.2	25.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-30197-1

SDG No.:

Lab Sample ID: CCV 480-97357/28 Calibration Date: 12/26/2012 21:59

Instrument ID: HP7890-20 Calib Start Date: 10/17/2012 16:40

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 10/17/2012 19:37

Lab File ID: 20_04168.D

Analyte	RT	RT WINDOW	
		FROM	TO
n-Nonane	3.22	3.21	3.24
n-Decane	4.23	4.22	4.25
Dodecane	5.92	5.91	5.94
C9-C18 Aliphatics	6.40	3.00	9.80
n-Tetradecane	7.32	7.31	7.34
Hexadecane	8.55	8.54	8.57
n-Octadecane	9.66	9.65	9.68
C19	10.18	10.16	10.19
icosane	10.67	10.65	10.68
n-Docosane	11.59	11.57	11.60
n-Tetracosane	12.43	12.42	12.45
n-Hexacosane	13.22	13.20	13.23
C19-C36 Aliphatics	13.30	8.50	18.10
n-Octacosane	13.95	13.93	13.96
Triacontane	14.63	14.61	14.64
n-Hexatriacontane	17.93	17.91	17.95
1-Chlorooctadecane	11.08	11.06	11.09

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\20_04168.D
Lims ID: ccv Client ID:
Inject. Date: 26-Dec-2012 21:59:29 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID:
Misc. Info.:
Operator: tchrom Instrument ID: HP7890-20
Injection Vol: 1.0 ul ALS Bottle#: 0
Lims Batch ID: 97357 Lims Sample ID: 28
Sublist: chrom-7890-EPH*sub7
Detector 1 : Ch-A-20-01-a-020
Detector 2 : Ch-B-20-01-b-020

Method: \\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\7890-EPH.m
Last Update: 27-Dec-2012 07:21:34 Calib Date: 17-Oct-2012 19:37:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\BUFCHROM\ChromData\HP7890-20\20121017-15821.b\20-02-_-038.D
Limit Group: GC MAEPH ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK012

First Level Reviewer: bescod Date: 27-Dec-2012 07:21:34

Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
6 n-Nonane						
2	3.222	3.222	0.000	61938	52.7	
7 n-Decane						
2	4.234	4.234	0.000	62560	52.6	
8 Naphthalene						
1	5.814	5.814	0.000	64327	57.6	
9 Dodecane						
2	5.920	5.920	0.000	60892	51.1	
A 4 C9-C18 Aliphatics						
2	6.400	3.000 -	9.800	356049	300.4	
10 2-Methylnaphthalene						
1	6.640	6.640	0.000	65334	57.4	
$ 11 2-Fluorobiphenyl						
1	7.106	7.106	0.000	57727	56.6	
12 n-Tetradecane						
2	7.322	7.322	0.000	57878	49.1	
13 Acenaphthylene						
1	7.680	7.680	0.000	66569	56.2	
$ 14 2-Bromonaphthalene						
1	7.844	7.844	0.000	40617	55.7	
15 Acenaphthene						
1	7.892	7.892	0.000	67018	56.0	
16 Fluorene						
1	8.506	8.506	0.000	67532	55.5	
17 Hexadecane						
2	8.554	8.554	0.000	53968	47.9	

Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
18 Phenanthrene						
1	9.624	9.624	0.000	67151	53.7	
19 n-Octadecane						
2	9.662	9.662	0.000	51645	47.7	
20 Anthracene						
1	9.684	9.684	0.000	67652	54.5	
$ 21 o-Terphenyl						
1	10.128	10.128	0.000	69058	55.8	
22 C19						
2	10.176	10.176	0.000	50654	48.6	
23 icosane						
2	10.666	10.666	0.000	50891	49.7	
24 Fluoranthene						
1	11.030	11.030	0.000	68616	52.7	
$ 25 1-Chlorooctadecane						
2	11.076	11.076	0.000	46541	54.1	
26 Pyrene						
1	11.284	11.284	0.000	68819	52.7	
27 n-Docosane						
2	11.586	11.586	0.000	51613	51.7	
A 5 C11-C22 Aromatics						
1	11.650	7.500 - 15.800		991383	858.2	
28 n-Tetracosane						
2	12.432	12.432	0.000	52836	52.3	
29 Benzo[a]anthracene						
1	12.726	12.726	0.000	67943	53.5	
30 Chrysene						
1	12.766	12.766	0.000	65681	53.7	
31 n-Hexacosane						
2	13.216	13.216	0.000	53922	51.3	
A 3 C19-C36 Aliphatics						
2	13.300	8.500 - 18.100		531619	367.1	
32 Benzo[k]fluoranthene						
1	13.924	13.924	0.000	69172	53.8	
33 n-Octacosane						
2	13.946	13.946	0.000	54456	50.3	
34 Benzo[b]fluoranthene						
1	13.954	13.954	0.000	68644	53.6	
35 Benzo[a]pyrene						
1	14.248	14.248	0.000	67932	53.6	
36 Triacontane						
2	14.628	14.628	0.000	53992	48.2	
37 Indeno[1,2,3-cd]pyrene						
1	15.426	15.426	0.000	57628	45.9	
38 Dibenz(a,h)anthracene						
1	15.470	15.470	0.000	60774	48.8	
39 Benzo[g,h,i]perylene						
1	15.740	15.740	0.000	54807	43.4	

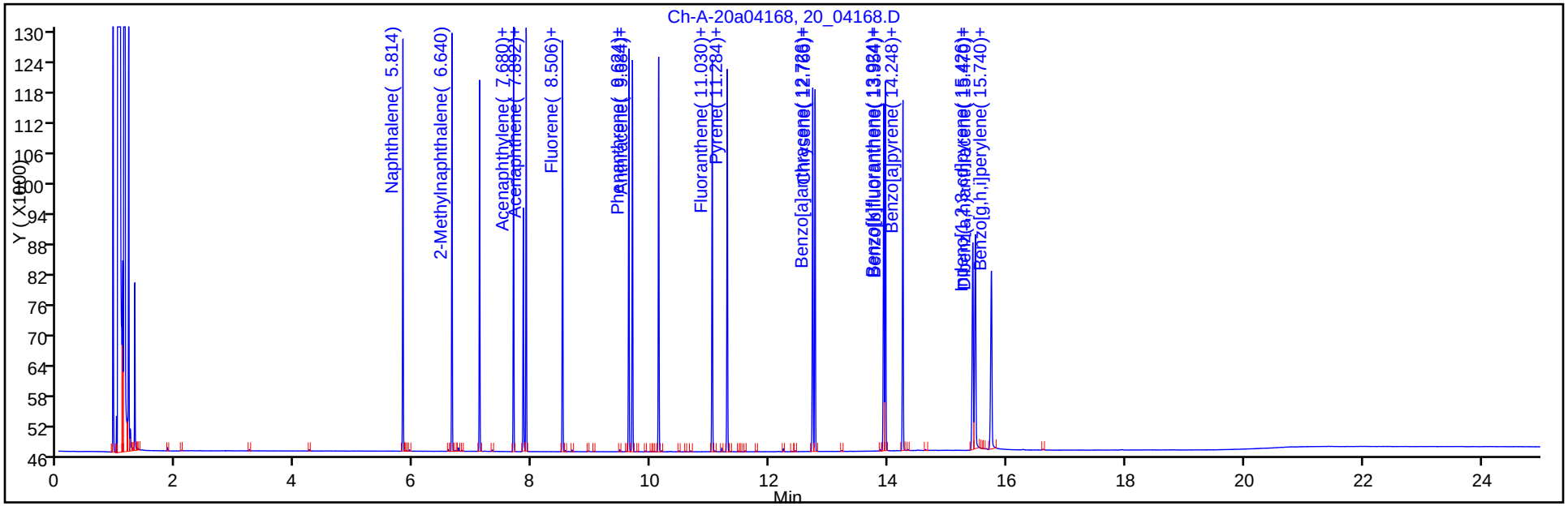
Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
E 40 n-Hexatriacontane						
2	17.932	17.932	0.000	49206	44.6	

Report Date: 27-Dec-2012 07:21:35 Chrom Revision: 2.0 22-Oct-2012 16:30:48

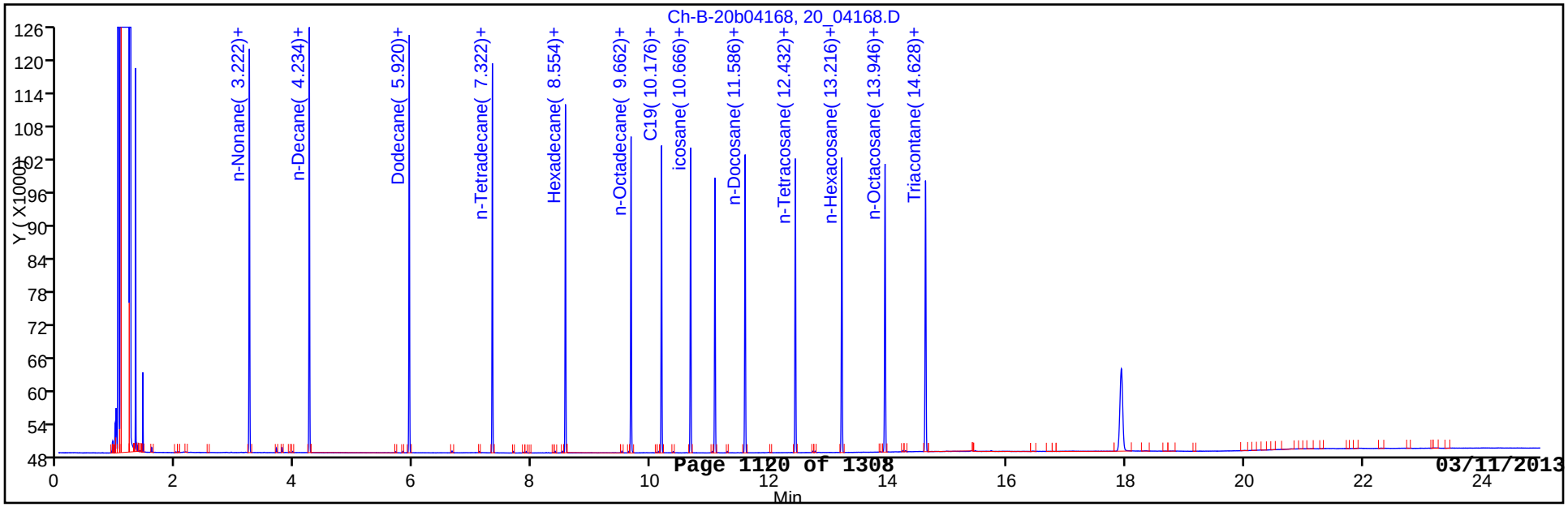
TestAmerica Buffalo

Data File:	\\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\20_04168.D		
Injection Date:	26-Dec-2012 21:59:29	Limit Group:	GC MAEPH ICAL
Client ID:		Instrument ID:	HP7890-20
Lims Batch ID:	97357	Lims Sample ID:	28
Operator ID:	tchrom	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo
Job No.: 480-30197-1
SDG No.:
Client Sample ID:
Lab Sample ID: MB 480-96085/1-D
Matrix: Solid
Lab File ID: 20_04143.D
Analysis Method: MA-EPH
Date Collected:
Extraction Method: MA EPH Frac
Date Extracted: 12/19/2012 08:06
Sample wt/vol: 000010.8(g)
Date Analyzed: 12/26/2012 09:43
Con. Extract Vol.: 2(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: ZB-5 ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 97357
Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
91-57-6	2-Methylnaphthalene	ND		0.93	0.93
83-32-9	Acenaphthene	ND		0.93	0.93
208-96-8	Acenaphthylene	ND		0.93	0.93
120-12-7	Anthracene	ND		0.93	0.93
56-55-3	Benzo[a]anthracene	ND		0.93	0.93
50-32-8	Benzo[a]pyrene	ND		0.93	0.93
205-99-2	Benzo[b]fluoranthene	ND		0.93	0.93
191-24-2	Benzo[g,h,i]perylene	ND		0.93	0.93
207-08-9	Benzo[k]fluoranthene	ND		0.93	0.93
218-01-9	Chrysene	ND		0.93	0.93
53-70-3	Dibenz(a,h)anthracene	ND		0.93	0.93
206-44-0	Fluoranthene	ND		0.93	0.93
86-73-7	Fluorene	ND		0.93	0.93
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.93	0.93
91-20-3	Naphthalene	ND		0.93	0.93
85-01-8	Phenanthrene	ND		0.93	0.93
129-00-0	Pyrene	ND		0.93	0.93
STL00058	C11-C22 Aromatics	ND		9.3	9.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
580-13-2	2-Bromonaphthalene	97		40-140
321-60-8	2-Fluorobiphenyl	98		40-140
84-15-1	o-Terphenyl	79		40-140

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\20_04143.D
Lims ID: MB 480-96085/1-D Client ID:
Inject. Date: 26-Dec-2012 09:43:36 Dil. Factor: 1.0000
Sample Type: MB
Sample ID:
Misc. Info.:
Operator: tchrom Instrument ID: HP7890-20
Injection Vol: 1.0 ul ALS Bottle#: 0
Lims Batch ID: 97357 Lims Sample ID: 3
Detector 1 : Ch-A-20-01-a-020
Detector 2 : Ch-B-20-01-b-020

Method: \\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\7890-EPH.m
Last Update: 27-Dec-2012 07:12:33 Calib Date: 17-Oct-2012 19:37:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\BUFCHROM\ChromData\HP7890-20\20121017-15821.b\20-02-_-038.D
Limit Group: GC MAEPH ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK012

First Level Reviewer: bescod Date: 27-Dec-2012 07:12:49

Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
8 Naphthalene						
1	5.822	5.814	0.008	87	0.0779	
9 Dodecane						
2	5.950	5.920	0.030	147	0.1234	
A 4 C9-C18 Aliphatics						
2	6.400	3.000 -	9.800	3308	2.79	
10 2-Methylnaphthalene						
1	6.656	6.640	0.016	238	0.2092	
$ 11 2-Fluorobiphenyl						
1	7.114	7.106	0.008	19904	19.5	
12 n-Tetradecane						
2	7.346	7.322	0.024	215	0.1824	
$ 14 2-Bromonaphthalene						
1	7.852	7.844	0.008	14090	19.3	
16 Fluorene						
1	8.518	8.506	0.012	339	0.2785	
17 Hexadecane						
2	8.574	8.554	0.020	214	0.1899	
18 Phenanthrene						
1	9.632	9.624	0.008	467	0.3734	
19 n-Octadecane						
2	9.676	9.662	0.014	108	0.0998	
$ 21 o-Terphenyl						
1	10.134	10.128	0.006	19536	15.8	
23 icosane						
2	10.682	10.666	0.016	55	0.0537	

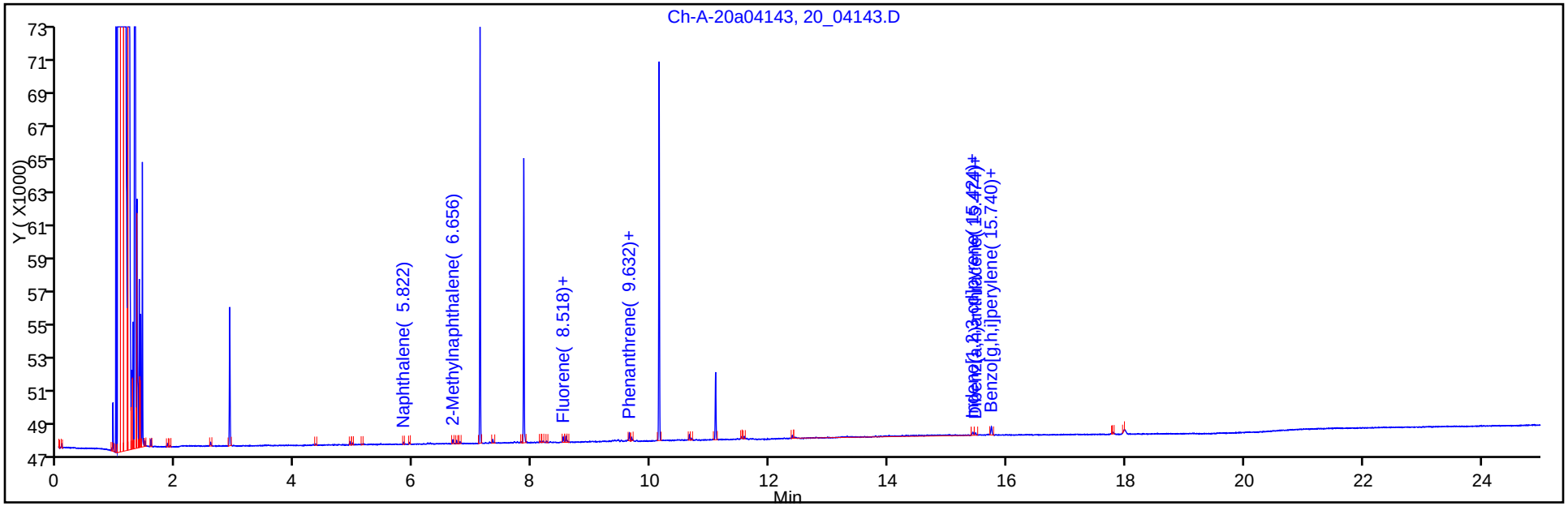
Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
$ 25 1-Chlorooctadecane						
2	11.088	11.076	0.012	10283	12.0	
A 5 C11-C22 Aromatics						
1	11.650	7.500 - 15.800		11174	9.67	
A 3 C19-C36 Aliphatics						
2	13.300	8.500 - 18.100		12414	8.57	
37 Indeno[1,2,3-cd]pyrene						
1	15.424	15.426	-0.002	301	0.2398	
38 Dibenz(a,h)anthracene						
1	15.474	15.470	0.004	219	0.1758	
39 Benzo[g,h,i]perylene						
1	15.740	15.740	0.000	722	0.5711	
E 40 n-Hexatriacontane						
2	17.946	17.932	0.014	407	0.3691	

Report Date: 27-Dec-2012 07:12:49 Chrom Revision: 2.0 22-Oct-2012 16:30:48

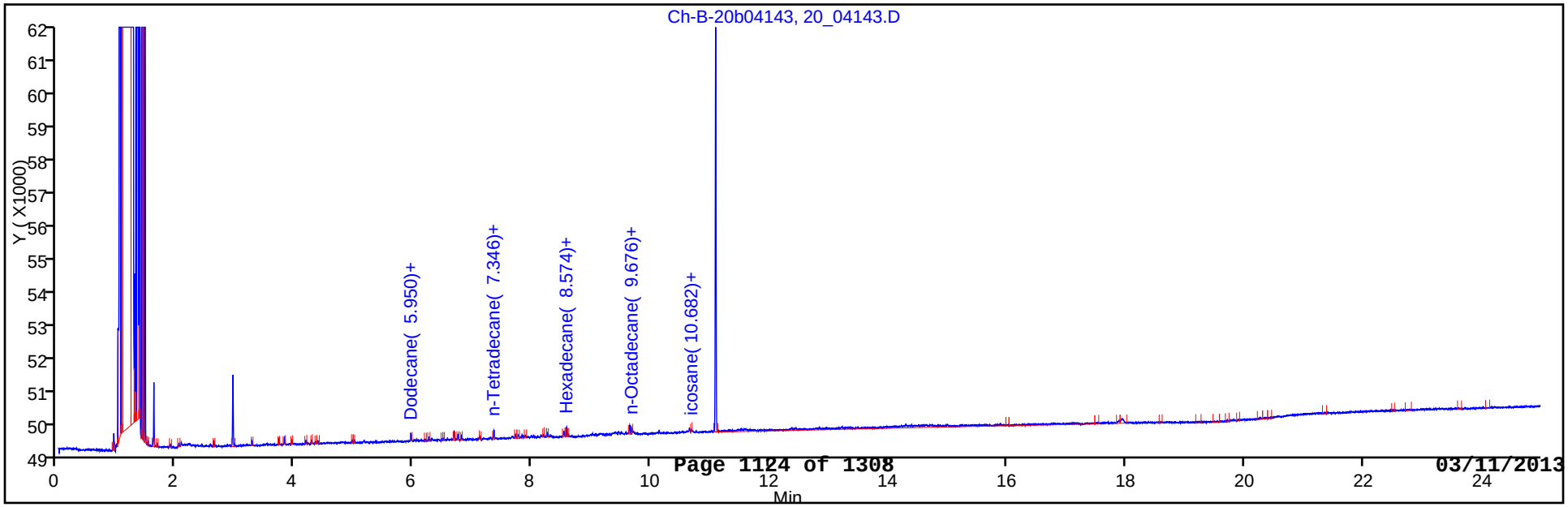
TestAmerica Buffalo

Data File:	\\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\20_04143.D		
Injection Date:	26-Dec-2012 09:43:36	Limit Group:	GC MAEPH ICAL
Client ID:		Instrument ID:	HP7890-20
Lims Batch ID:	97357	Lims Sample ID:	3
Operator ID:	tchrom	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo
Job No.: 480-30197-1
SDG No.:
Client Sample ID:
Lab Sample ID: MB 480-96085/1-D
Matrix: Solid
Lab File ID: 20_04143.D
Analysis Method: MA-EPH
Date Collected:
Extraction Method: MA EPH Frac
Date Extracted: 12/19/2012 08:06
Sample wt/vol: 000010.8(g)
Date Analyzed: 12/26/2012 09:43
Con. Extract Vol.: 2(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: ZB-5 ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 97357
Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00087	C19-C36 Aliphatics	ND		9.3	9.3
STL00306	C9-C18 Aliphatics	ND		9.3	9.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
3386-33-2	1-Chlorooctadecane	60		40-140

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\20_04143.D
Lims ID: MB 480-96085/1-D Client ID:
Inject. Date: 26-Dec-2012 09:43:36 Dil. Factor: 1.0000
Sample Type: MB
Sample ID:
Misc. Info.:
Operator: tchrom Instrument ID: HP7890-20
Injection Vol: 1.0 ul ALS Bottle#: 0
Lims Batch ID: 97357 Lims Sample ID: 3
Detector 1 : Ch-A-20-01-a-020
Detector 2 : Ch-B-20-01-b-020

Method: \\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\7890-EPH.m
Last Update: 27-Dec-2012 07:12:33 Calib Date: 17-Oct-2012 19:37:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\BUFCHROM\ChromData\HP7890-20\20121017-15821.b\20-02-_-038.D
Limit Group: GC MAEPH ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK012

First Level Reviewer: bescod Date: 27-Dec-2012 07:12:49

Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
8 Naphthalene						
1	5.822	5.814	0.008	87	0.0779	
9 Dodecane						
2	5.950	5.920	0.030	147	0.1234	
A 4 C9-C18 Aliphatics						
2	6.400	3.000 -	9.800	3308	2.79	
10 2-Methylnaphthalene						
1	6.656	6.640	0.016	238	0.2092	
$ 11 2-Fluorobiphenyl						
1	7.114	7.106	0.008	19904	19.5	
12 n-Tetradecane						
2	7.346	7.322	0.024	215	0.1824	
$ 14 2-Bromonaphthalene						
1	7.852	7.844	0.008	14090	19.3	
16 Fluorene						
1	8.518	8.506	0.012	339	0.2785	
17 Hexadecane						
2	8.574	8.554	0.020	214	0.1899	
18 Phenanthrene						
1	9.632	9.624	0.008	467	0.3734	
19 n-Octadecane						
2	9.676	9.662	0.014	108	0.0998	
$ 21 o-Terphenyl						
1	10.134	10.128	0.006	19536	15.8	
23 icosane						
2	10.682	10.666	0.016	55	0.0537	

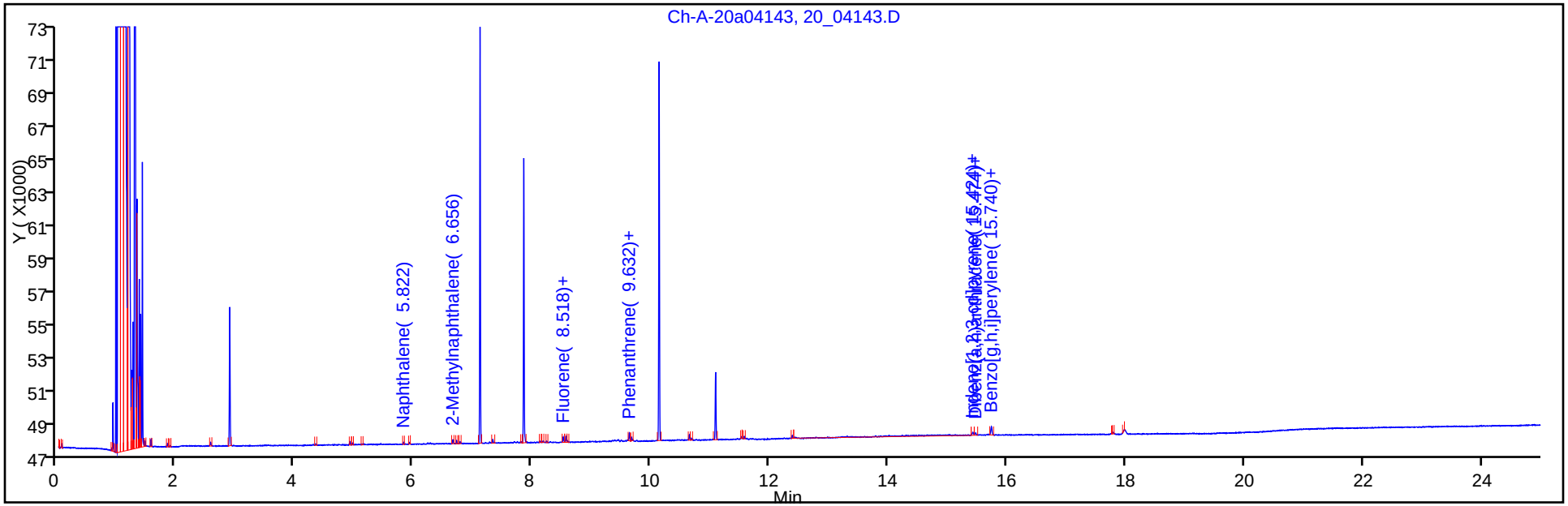
Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
$ 25 1-Chlorooctadecane						
2	11.088	11.076	0.012	10283	12.0	
A 5 C11-C22 Aromatics						
1	11.650	7.500 - 15.800		11174	9.67	
A 3 C19-C36 Aliphatics						
2	13.300	8.500 - 18.100		12414	8.57	
37 Indeno[1,2,3-cd]pyrene						
1	15.424	15.426	-0.002	301	0.2398	
38 Dibenz(a,h)anthracene						
1	15.474	15.470	0.004	219	0.1758	
39 Benzo[g,h,i]perylene						
1	15.740	15.740	0.000	722	0.5711	
E 40 n-Hexatriacontane						
2	17.946	17.932	0.014	407	0.3691	

Report Date: 27-Dec-2012 07:12:49 Chrom Revision: 2.0 22-Oct-2012 16:30:48

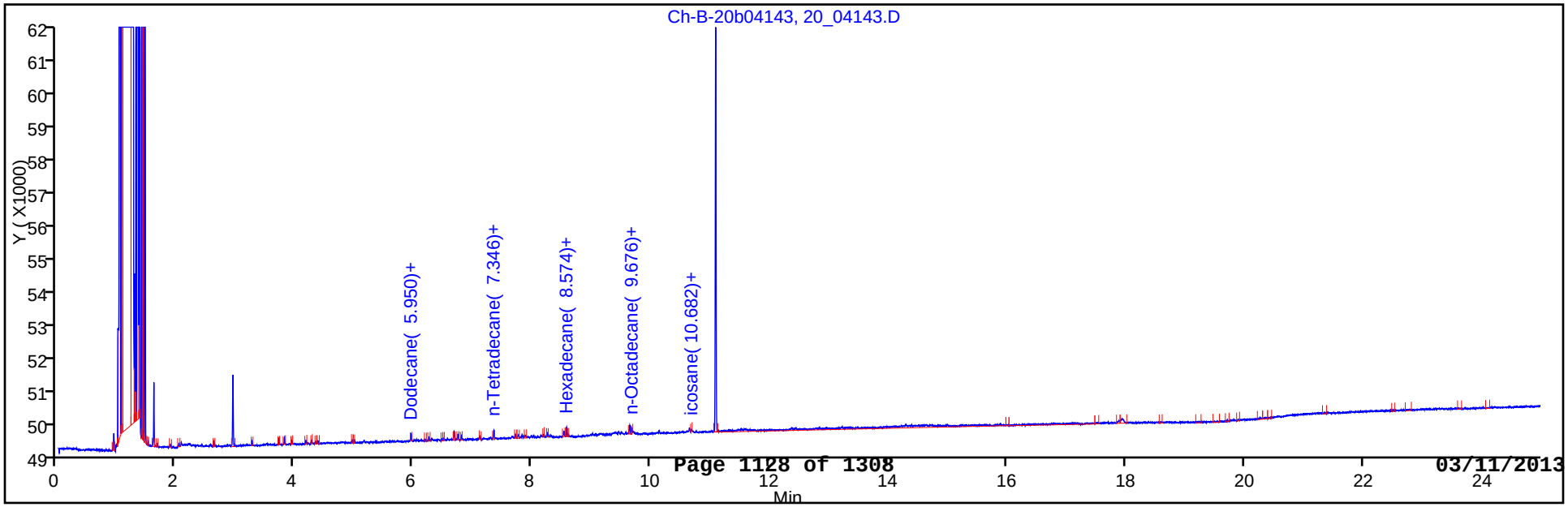
TestAmerica Buffalo

Data File:	\\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\20_04143.D		
Injection Date:	26-Dec-2012 09:43:36	Limit Group:	GC MAEPH ICAL
Client ID:		Instrument ID:	HP7890-20
Lims Batch ID:	97357	Lims Sample ID:	3
Operator ID:	tchrom	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo
Job No.: 480-30197-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCS 480-96085/2-D
Matrix: Solid
Lab File ID: 20_04144.D
Analysis Method: MA-EPH
Date Collected:
Extraction Method: MA EPH Frac
Date Extracted: 12/19/2012 08:06
Sample wt/vol: 000010.9(g)
Date Analyzed: 12/26/2012 10:12
Con. Extract Vol.: 2(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: ZB-5 ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 97357
Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
91-57-6	2-Methylnaphthalene	3.86		0.92	0.92
83-32-9	Acenaphthene	3.93		0.92	0.92
208-96-8	Acenaphthylene	3.87		0.92	0.92
120-12-7	Anthracene	4.15		0.92	0.92
56-55-3	Benzo[a]anthracene	4.04		0.92	0.92
50-32-8	Benzo[a]pyrene	3.91		0.92	0.92
205-99-2	Benzo[b]fluoranthene	4.08		0.92	0.92
191-24-2	Benzo[g,h,i]perylene	3.37		0.92	0.92
207-08-9	Benzo[k]fluoranthene	3.96		0.92	0.92
218-01-9	Chrysene	4.10		0.92	0.92
53-70-3	Dibenz(a,h)anthracene	3.81		0.92	0.92
206-44-0	Fluoranthene	3.97		0.92	0.92
86-73-7	Fluorene	4.02		0.92	0.92
193-39-5	Indeno[1,2,3-cd]pyrene	3.51		0.92	0.92
91-20-3	Naphthalene	3.63		0.92	0.92
85-01-8	Phenanthrene	4.06		0.92	0.92
129-00-0	Pyrene	4.06		0.92	0.92
STL00058	C11-C22 Aromatics	65.9		9.2	9.2

CAS NO.	SURROGATE	%REC	Q	LIMITS
580-13-2	2-Bromonaphthalene	103		40-140
321-60-8	2-Fluorobiphenyl	105		40-140
84-15-1	o-Terphenyl	87		40-140

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\20_04144.D
Lims ID: LCS 480-96085/2-D
Client ID:
Inject. Date: 26-Dec-2012 10:12:52
Dil. Factor: 1.0000
Sample Type: LCS
Sample ID:
Misc. Info.:
Operator: tchrom
Instrument ID: HP7890-20
Injection Vol: 1.0 ul
ALS Bottle#: 0
Lims Batch ID: 97357
Lims Sample ID: 4
Detector 1 : Ch-A-20-01-a-020
Detector 2 : Ch-B-20-01-b-020

Method: \\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\7890-EPH.m
Last Update: 27-Dec-2012 07:12:33
Calib Date: 17-Oct-2012 19:37:02
Quant Method: External Standard
Quant By: Initial Calibration
Last ICal File: \\BUFCHROM\ChromData\HP7890-20\20121017-15821.b\20-02-_-038.D
Limit Group: GC MAEPH ICAL
Integrator: Falcon
Column Type:
Column Dia:
Process Host: XAWRK012

First Level Reviewer: bescod
Date: 27-Dec-2012 07:12:55

Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
6 n-Nonane						
2	3.248	3.222	0.026	13227	11.3	
7 n-Decane						
2	4.256	4.234	0.022	17527	14.7	
8 Naphthalene						
1	5.814	5.814	0.000	22101	19.8	
9 Dodecane						
2	5.936	5.920	0.016	19883	16.7	
A 4 C9-C18 Aliphatics						
2	6.400	3.000 -	9.800	118462	100.0	
10 2-Methylnaphthalene						
1	6.642	6.640	0.002	23904	21.0	
$ 11 2-Fluorobiphenyl						
1	7.108	7.106	0.002	21436	21.0	
12 n-Tetradecane						
2	7.334	7.322	0.012	20934	17.8	
13 Acenaphthylene						
1	7.680	7.680	0.000	24960	21.1	
$ 14 2-Bromonaphthalene						
1	7.846	7.844	0.002	15079	20.7	
15 Acenaphthene						
1	7.894	7.892	0.002	25667	21.4	
16 Fluorene						
1	8.506	8.506	0.000	26656	21.9	
17 Hexadecane						
2	8.564	8.554	0.010	21290	18.9	

Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
18 Phenanthrene						
1	9.624	9.624	0.000	27700	22.2	
19 n-Octadecane						
2	9.668	9.662	0.006	21158	19.6	
20 Anthracene						
1	9.684	9.684	0.000	28094	22.6	
$ 21 o-Terphenyl						
1	10.128	10.128	0.000	21637	17.5	
22 C19						
2	10.180	10.176	0.004	20707	19.9	
23 icosane						
2	10.670	10.666	0.004	20616	20.1	
24 Fluoranthene						
1	11.030	11.030	0.000	28155	21.6	
$ 25 1-Chlorooctadecane						
2	11.080	11.076	0.004	10513	12.2	
26 Pyrene						
1	11.284	11.284	0.000	28902	22.1	
27 n-Docosane						
2	11.588	11.586	0.002	20784	20.8	
A 5 C11-C22 Aromatics						
1	11.650	7.500 - 15.800		414648	358.9	
28 n-Tetracosane						
2	12.434	12.432	0.002	20920	20.7	
29 Benzo[a]anthracene						
1	12.724	12.726	-0.002	27946	22.0	
30 Chrysene						
1	12.764	12.766	-0.002	27332	22.3	
31 n-Hexacosane						
2	13.218	13.216	0.002	21260	20.2	
A 3 C19-C36 Aliphatics						
2	13.300	8.500 - 18.100		212922	147.0	
32 Benzo[k]fluoranthene						
1	13.922	13.924	-0.002	27739	21.6	
33 n-Octacosane						
2	13.946	13.946	0.000	20864	19.3	
34 Benzo[b]fluoranthene						
1	13.950	13.954	-0.004	28486	22.2	
35 Benzo[a]pyrene						
1	14.244	14.248	-0.004	27034	21.3	
36 Triacontane						
2	14.628	14.628	0.000	21305	19.0	
37 Indeno[1,2,3-cd]pyrene						
1	15.420	15.426	-0.006	23998	19.1	
38 Dibenz(a,h)anthracene						
1	15.464	15.470	-0.006	25851	20.8	
39 Benzo[g,h,i]perylene						
1	15.732	15.740	-0.008	23194	18.3	

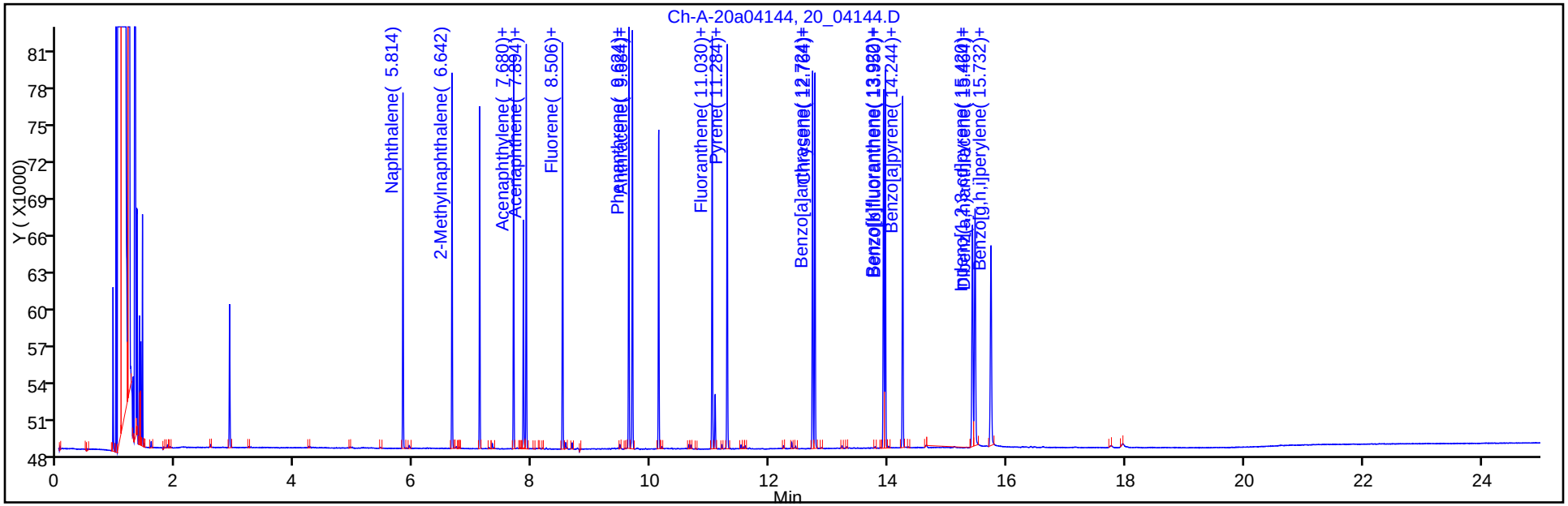
Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
E 40 n-Hexatriacontane						
2	17.928	17.932	-0.004	19489	17.7	

Report Date: 27-Dec-2012 07:12:55 Chrom Revision: 2.0 22-Oct-2012 16:30:48

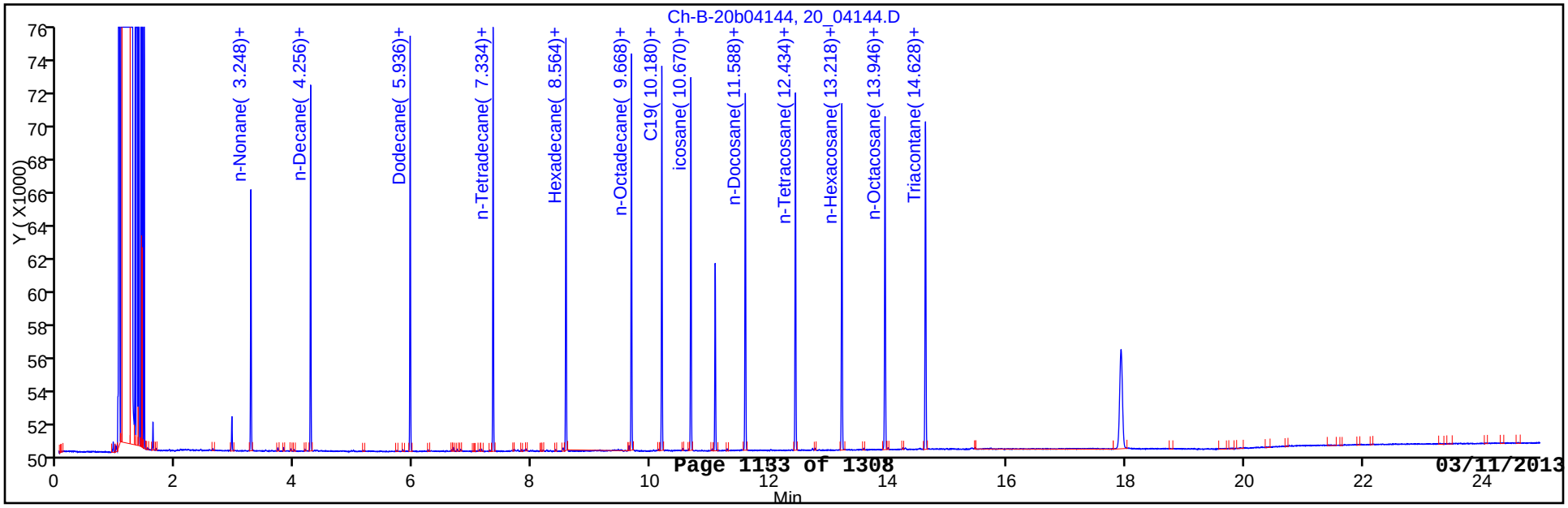
TestAmerica Buffalo

Data File:	\\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\20_04144.D		
Injection Date:	26-Dec-2012 10:12:52	Limit Group:	GC MAEPH ICAL
Client ID:		Instrument ID:	HP7890-20
Lims Batch ID:	97357	Lims Sample ID:	4
Operator ID:	tchrom	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo
Job No.: 480-30197-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCS 480-96085/2-D
Matrix: Solid
Lab File ID: 20_04144.D
Analysis Method: MA-EPH
Date Collected:
Extraction Method: MA EPH Frac
Date Extracted: 12/19/2012 08:06
Sample wt/vol: 000010.9(g)
Date Analyzed: 12/26/2012 10:12
Con. Extract Vol.: 2(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: ZB-5 ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 97357
Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00087	C19-C36 Aliphatics	27.0		9.2	9.2
STL00306	C9-C18 Aliphatics	18.3		9.2	9.2

CAS NO.	SURROGATE	%REC	Q	LIMITS
3386-33-2	1-Chlorooctadecane	61		40-140

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\20_04144.D
Lims ID: LCS 480-96085/2-D
Client ID:
Inject. Date: 26-Dec-2012 10:12:52
Dil. Factor: 1.0000
Sample Type: LCS
Sample ID:
Misc. Info.:
Operator: tchrom
Instrument ID: HP7890-20
Injection Vol: 1.0 ul
ALS Bottle#: 0
Lims Batch ID: 97357
Lims Sample ID: 4
Detector 1 : Ch-A-20-01-a-020
Detector 2 : Ch-B-20-01-b-020

Method: \\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\7890-EPH.m
Last Update: 27-Dec-2012 07:12:33
Calib Date: 17-Oct-2012 19:37:02
Quant Method: External Standard
Quant By: Initial Calibration
Last ICal File: \\BUFCHROM\ChromData\HP7890-20\20121017-15821.b\20-02-_-038.D
Limit Group: GC MAEPH ICAL
Integrator: Falcon
Column Type:
Column Dia:
Process Host: XAWRK012

First Level Reviewer: bescod
Date: 27-Dec-2012 07:12:55

Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
6 n-Nonane						
2	3.248	3.222	0.026	13227	11.3	
7 n-Decane						
2	4.256	4.234	0.022	17527	14.7	
8 Naphthalene						
1	5.814	5.814	0.000	22101	19.8	
9 Dodecane						
2	5.936	5.920	0.016	19883	16.7	
A 4 C9-C18 Aliphatics						
2	6.400	3.000 -	9.800	118462	100.0	
10 2-Methylnaphthalene						
1	6.642	6.640	0.002	23904	21.0	
$ 11 2-Fluorobiphenyl						
1	7.108	7.106	0.002	21436	21.0	
12 n-Tetradecane						
2	7.334	7.322	0.012	20934	17.8	
13 Acenaphthylene						
1	7.680	7.680	0.000	24960	21.1	
$ 14 2-Bromonaphthalene						
1	7.846	7.844	0.002	15079	20.7	
15 Acenaphthene						
1	7.894	7.892	0.002	25667	21.4	
16 Fluorene						
1	8.506	8.506	0.000	26656	21.9	
17 Hexadecane						
2	8.564	8.554	0.010	21290	18.9	

Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
18 Phenanthrene						
1	9.624	9.624	0.000	27700	22.2	
19 n-Octadecane						
2	9.668	9.662	0.006	21158	19.6	
20 Anthracene						
1	9.684	9.684	0.000	28094	22.6	
$ 21 o-Terphenyl						
1	10.128	10.128	0.000	21637	17.5	
22 C19						
2	10.180	10.176	0.004	20707	19.9	
23 icosane						
2	10.670	10.666	0.004	20616	20.1	
24 Fluoranthene						
1	11.030	11.030	0.000	28155	21.6	
$ 25 1-Chlorooctadecane						
2	11.080	11.076	0.004	10513	12.2	
26 Pyrene						
1	11.284	11.284	0.000	28902	22.1	
27 n-Docosane						
2	11.588	11.586	0.002	20784	20.8	
A 5 C11-C22 Aromatics						
1	11.650	7.500 - 15.800		414648	358.9	
28 n-Tetracosane						
2	12.434	12.432	0.002	20920	20.7	
29 Benzo[a]anthracene						
1	12.724	12.726	-0.002	27946	22.0	
30 Chrysene						
1	12.764	12.766	-0.002	27332	22.3	
31 n-Hexacosane						
2	13.218	13.216	0.002	21260	20.2	
A 3 C19-C36 Aliphatics						
2	13.300	8.500 - 18.100		212922	147.0	
32 Benzo[k]fluoranthene						
1	13.922	13.924	-0.002	27739	21.6	
33 n-Octacosane						
2	13.946	13.946	0.000	20864	19.3	
34 Benzo[b]fluoranthene						
1	13.950	13.954	-0.004	28486	22.2	
35 Benzo[a]pyrene						
1	14.244	14.248	-0.004	27034	21.3	
36 Triacontane						
2	14.628	14.628	0.000	21305	19.0	
37 Indeno[1,2,3-cd]pyrene						
1	15.420	15.426	-0.006	23998	19.1	
38 Dibenz(a,h)anthracene						
1	15.464	15.470	-0.006	25851	20.8	
39 Benzo[g,h,i]perylene						
1	15.732	15.740	-0.008	23194	18.3	

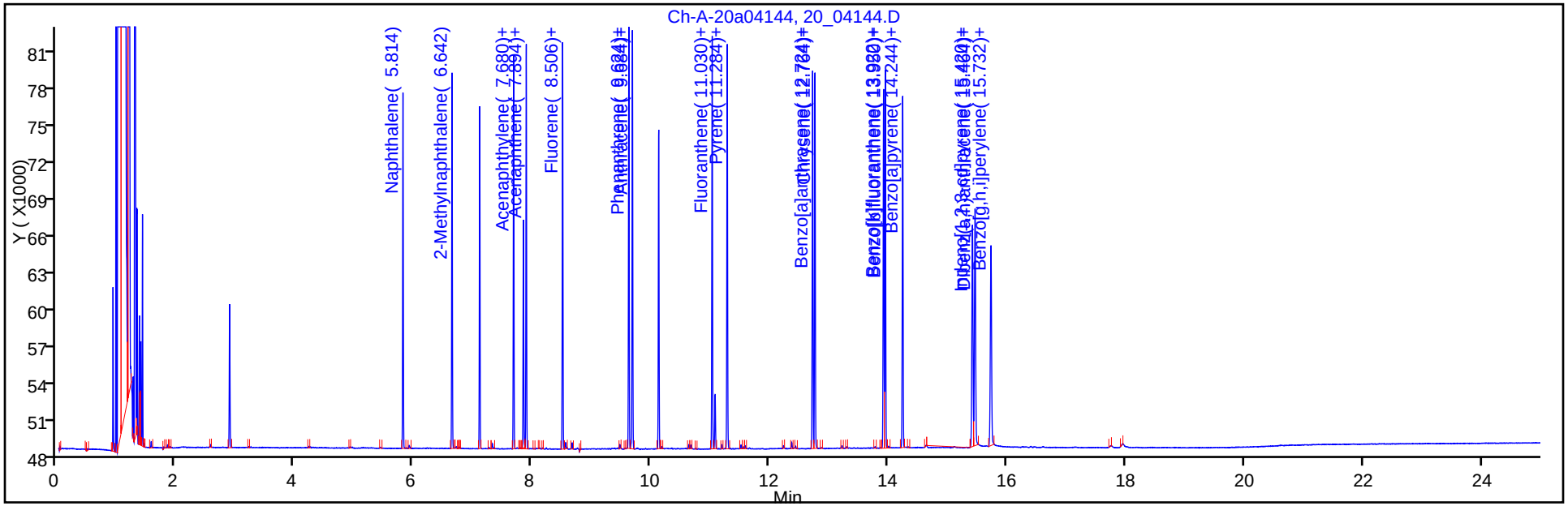
Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
E 40 n-Hexatriacontane						
2	17.928	17.932	-0.004	19489	17.7	

Report Date: 27-Dec-2012 07:12:55 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File:	\\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\20_04144.D		
Injection Date:	26-Dec-2012 10:12:52	Limit Group:	GC MAEPH ICAL
Client ID:		Instrument ID:	HP7890-20
Lims Batch ID:	97357	Lims Sample ID:	4
Operator ID:	tchrom	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



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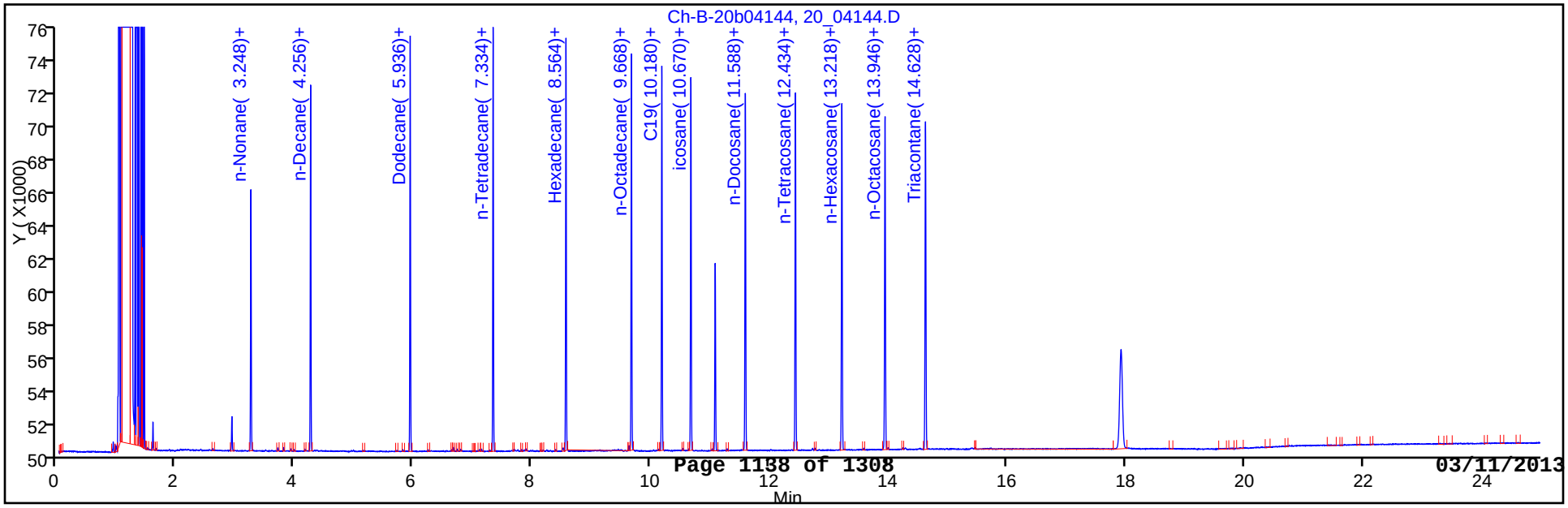


FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo
Job No.: 480-30197-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCSD 480-96085/3-D
Matrix: Solid
Lab File ID: 20_04145.D
Analysis Method: MA-EPH
Date Collected:
Extraction Method: MA EPH Frac
Date Extracted: 12/19/2012 08:06
Sample wt/vol: 000010.9(g)
Date Analyzed: 12/26/2012 10:42
Con. Extract Vol.: 2(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: ZB-5 ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 97357
Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
91-57-6	2-Methylnaphthalene	3.93		0.92	0.92
83-32-9	Acenaphthene	3.98		0.92	0.92
208-96-8	Acenaphthylene	3.92		0.92	0.92
120-12-7	Anthracene	4.19		0.92	0.92
56-55-3	Benzo[a]anthracene	4.05		0.92	0.92
50-32-8	Benzo[a]pyrene	3.93		0.92	0.92
205-99-2	Benzo[b]fluoranthene	4.06		0.92	0.92
191-24-2	Benzo[g,h,i]perylene	3.49		0.92	0.92
207-08-9	Benzo[k]fluoranthene	3.99		0.92	0.92
218-01-9	Chrysene	4.13		0.92	0.92
53-70-3	Dibenz(a,h)anthracene	3.86		0.92	0.92
206-44-0	Fluoranthene	3.97		0.92	0.92
86-73-7	Fluorene	4.08		0.92	0.92
193-39-5	Indeno[1,2,3-cd]pyrene	3.55		0.92	0.92
91-20-3	Naphthalene	3.73		0.92	0.92
85-01-8	Phenanthrene	4.11		0.92	0.92
129-00-0	Pyrene	4.06		0.92	0.92
STL00058	C11-C22 Aromatics	66.4		9.2	9.2

CAS NO.	SURROGATE	%REC	Q	LIMITS
580-13-2	2-Bromonaphthalene	108		40-140
321-60-8	2-Fluorobiphenyl	110		40-140
84-15-1	o-Terphenyl	88		40-140

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\20_04145.D
Lims ID: LCSD 480-96085/3-D Client ID:
Inject. Date: 26-Dec-2012 10:42:13 Dil. Factor: 1.0000
Sample Type: LCSD
Sample ID:
Misc. Info.:
Operator: tchrom Instrument ID: HP7890-20
Injection Vol: 1.0 ul ALS Bottle#: 0
Lims Batch ID: 97357 Lims Sample ID: 5
Detector 1 : Ch-A-20-01-a-020
Detector 2 : Ch-B-20-01-b-020

Method: \\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\7890-EPH.m
Last Update: 27-Dec-2012 07:12:33 Calib Date: 17-Oct-2012 19:37:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\BUFCHROM\ChromData\HP7890-20\20121017-15821.b\20-02-_-038.D
Limit Group: GC MAEPH ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK012

First Level Reviewer: bescod Date: 27-Dec-2012 07:13:01

Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
6 n-Nonane						
2	3.232	3.222	0.010	13167	11.2	
7 n-Decane						
2	4.242	4.234	0.008	17377	14.6	
8 Naphthalene						
1	5.814	5.814	0.000	22696	20.3	
9 Dodecane						
2	5.926	5.920	0.006	19368	16.3	
A 4 C9-C18 Aliphatics						
2	6.400	3.000 -	9.800	114699	96.8	
10 2-Methylnaphthalene						
1	6.642	6.640	0.002	24395	21.4	
$ 11 2-Fluorobiphenyl						
1	7.108	7.106	0.002	22362	21.9	
12 n-Tetradecane						
2	7.326	7.322	0.004	20116	17.1	
13 Acenaphthylene						
1	7.680	7.680	0.000	25292	21.3	
$ 14 2-Bromonaphthalene						
1	7.844	7.844	0.000	15747	21.6	
15 Acenaphthene						
1	7.894	7.892	0.002	25966	21.7	
16 Fluorene						
1	8.506	8.506	0.000	27055	22.2	
17 Hexadecane						
2	8.558	8.554	0.004	20307	18.0	

Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
18 Phenanthrene						
1	9.624	9.624	0.000	28036	22.4	
19 n-Octadecane						
2	9.662	9.662	0.000	20082	18.6	
20 Anthracene						
1	9.684	9.684	0.000	28319	22.8	
$ 21 o-Terphenyl						
1	10.126	10.128	-0.002	21863	17.7	
22 C19						
2	10.176	10.176	0.000	19620	18.8	
23 icosane						
2	10.666	10.666	0.000	19648	19.2	
24 Fluoranthene						
1	11.028	11.030	-0.002	28162	21.6	
$ 25 1-Chlorooctadecane						
2	11.076	11.076	0.000	10060	11.7	
26 Pyrene						
1	11.282	11.284	-0.002	28920	22.1	
27 n-Docosane						
2	11.584	11.586	-0.002	19867	19.9	
A 5 C11-C22 Aromatics						
1	11.650	7.500 - 15.800		418067	361.9	
28 n-Tetracosane						
2	12.432	12.432	0.000	20147	19.9	
29 Benzo[a]anthracene						
1	12.722	12.726	-0.004	28048	22.1	
30 Chrysene						
1	12.762	12.766	-0.004	27541	22.5	
31 n-Hexacosane						
2	13.216	13.216	0.000	20564	19.6	
A 3 C19-C36 Aliphatics						
2	13.300	8.500 - 18.100		205188	141.7	
32 Benzo[k]fluoranthene						
1	13.920	13.924	-0.004	27989	21.8	
33 n-Octacosane						
2	13.944	13.946	-0.002	20333	18.8	
34 Benzo[b]fluoranthene						
1	13.950	13.954	-0.004	28364	22.1	
35 Benzo[a]pyrene						
1	14.242	14.248	-0.006	27152	21.4	
36 Triacontane						
2	14.626	14.628	-0.002	20780	18.5	
37 Indeno[1,2,3-cd]pyrene						
1	15.418	15.426	-0.008	24292	19.4	
38 Dibenz(a,h)anthracene						
1	15.462	15.470	-0.008	26175	21.0	
39 Benzo[g,h,i]perylene						
1	15.732	15.740	-0.008	24024	19.0	

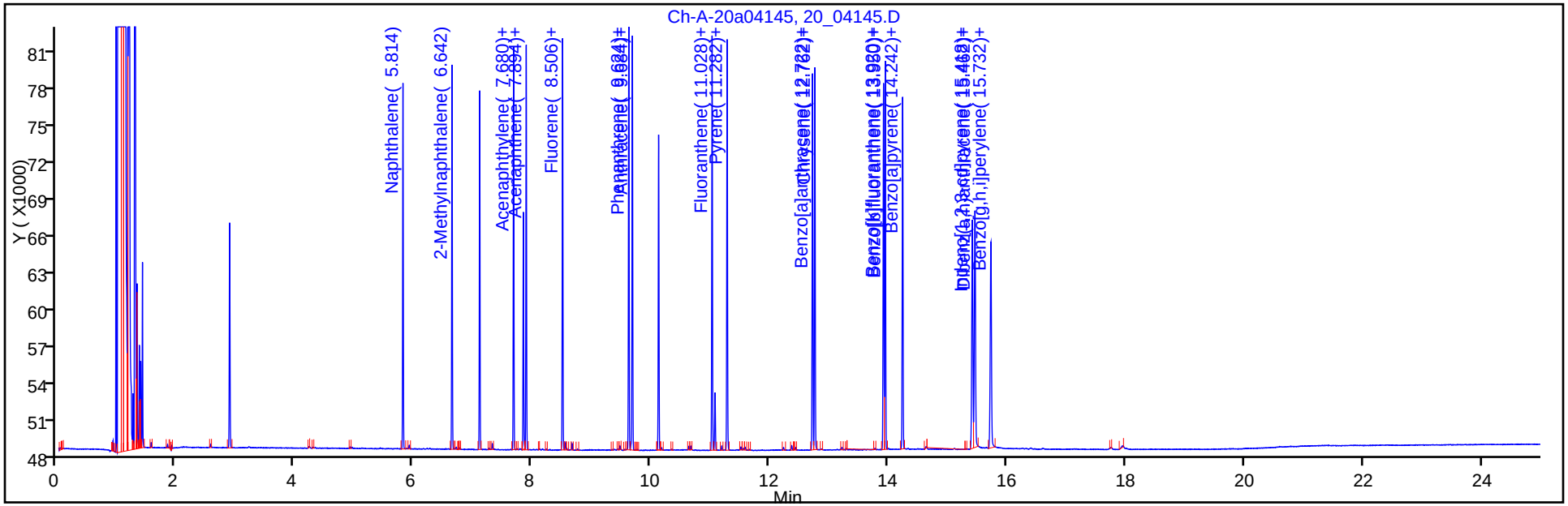
Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
E 40 n-Hexatriacontane						
2	17.924	17.932	-0.008	19141	17.4	

Report Date: 27-Dec-2012 07:13:01 Chrom Revision: 2.0 22-Oct-2012 16:30:48

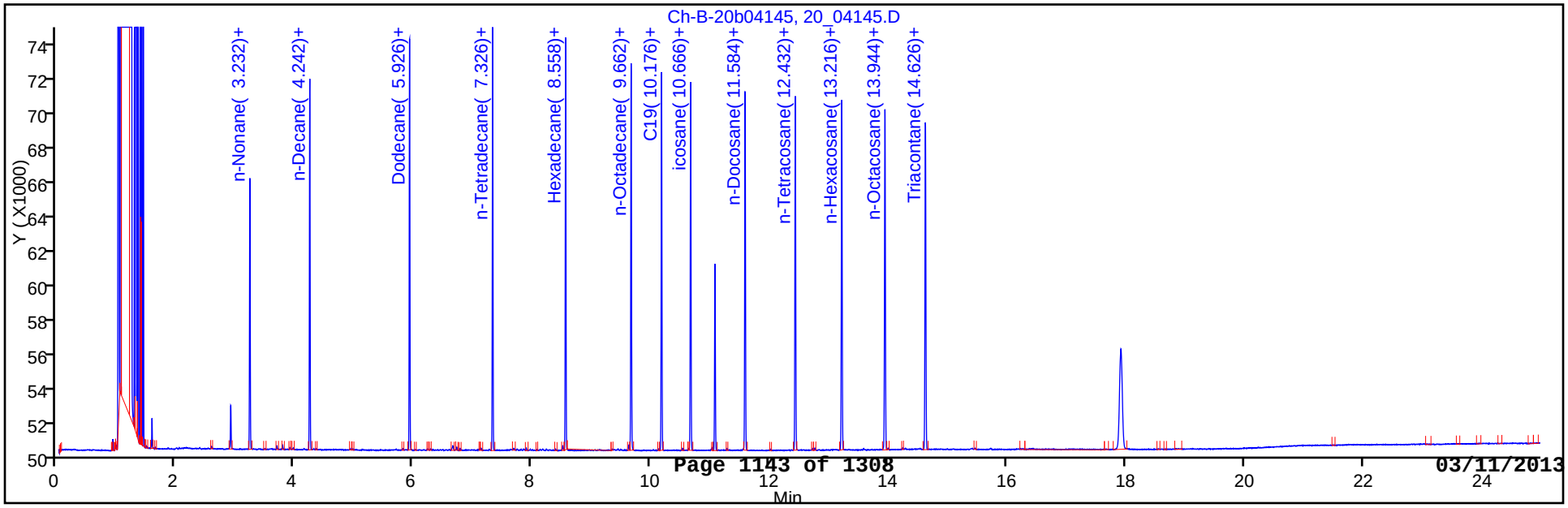
TestAmerica Buffalo

Data File:	\\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\20_04145.D		
Injection Date:	26-Dec-2012 10:42:13	Limit Group:	GC MAEPH ICAL
Client ID:		Instrument ID:	HP7890-20
Lims Batch ID:	97357	Lims Sample ID:	5
Operator ID:	tchrom	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo
Job No.: 480-30197-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCSD 480-96085/3-D
Matrix: Solid
Lab File ID: 20_04145.D
Analysis Method: MA-EPH
Date Collected:
Extraction Method: MA EPH Frac
Date Extracted: 12/19/2012 08:06
Sample wt/vol: 000010.9(g)
Date Analyzed: 12/26/2012 10:42
Con. Extract Vol.: 2(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: ZB-5 ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 97357
Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00087	C19-C36 Aliphatics	26.0		9.2	9.2
STL00306	C9-C18 Aliphatics	17.8		9.2	9.2

CAS NO.	SURROGATE	%REC	Q	LIMITS
3386-33-2	1-Chlorooctadecane	58		40-140

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\20_04145.D
Lims ID: LCSD 480-96085/3-D Client ID:
Inject. Date: 26-Dec-2012 10:42:13 Dil. Factor: 1.0000
Sample Type: LCSD
Sample ID:
Misc. Info.:
Operator: tchrom Instrument ID: HP7890-20
Injection Vol: 1.0 ul ALS Bottle#: 0
Lims Batch ID: 97357 Lims Sample ID: 5
Detector 1 : Ch-A-20-01-a-020
Detector 2 : Ch-B-20-01-b-020

Method: \\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\7890-EPH.m
Last Update: 27-Dec-2012 07:12:33 Calib Date: 17-Oct-2012 19:37:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\BUFCHROM\ChromData\HP7890-20\20121017-15821.b\20-02-_-038.D
Limit Group: GC MAEPH ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK012

First Level Reviewer: bescod Date: 27-Dec-2012 07:13:01

Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
6 n-Nonane						
2	3.232	3.222	0.010	13167	11.2	
7 n-Decane						
2	4.242	4.234	0.008	17377	14.6	
8 Naphthalene						
1	5.814	5.814	0.000	22696	20.3	
9 Dodecane						
2	5.926	5.920	0.006	19368	16.3	
A 4 C9-C18 Aliphatics						
2	6.400	3.000 -	9.800	114699	96.8	
10 2-Methylnaphthalene						
1	6.642	6.640	0.002	24395	21.4	
$ 11 2-Fluorobiphenyl						
1	7.108	7.106	0.002	22362	21.9	
12 n-Tetradecane						
2	7.326	7.322	0.004	20116	17.1	
13 Acenaphthylene						
1	7.680	7.680	0.000	25292	21.3	
$ 14 2-Bromonaphthalene						
1	7.844	7.844	0.000	15747	21.6	
15 Acenaphthene						
1	7.894	7.892	0.002	25966	21.7	
16 Fluorene						
1	8.506	8.506	0.000	27055	22.2	
17 Hexadecane						
2	8.558	8.554	0.004	20307	18.0	

Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
18 Phenanthrene						
1	9.624	9.624	0.000	28036	22.4	
19 n-Octadecane						
2	9.662	9.662	0.000	20082	18.6	
20 Anthracene						
1	9.684	9.684	0.000	28319	22.8	
$ 21 o-Terphenyl						
1	10.126	10.128	-0.002	21863	17.7	
22 C19						
2	10.176	10.176	0.000	19620	18.8	
23 icosane						
2	10.666	10.666	0.000	19648	19.2	
24 Fluoranthene						
1	11.028	11.030	-0.002	28162	21.6	
$ 25 1-Chlorooctadecane						
2	11.076	11.076	0.000	10060	11.7	
26 Pyrene						
1	11.282	11.284	-0.002	28920	22.1	
27 n-Docosane						
2	11.584	11.586	-0.002	19867	19.9	
A 5 C11-C22 Aromatics						
1	11.650	7.500 - 15.800		418067	361.9	
28 n-Tetracosane						
2	12.432	12.432	0.000	20147	19.9	
29 Benzo[a]anthracene						
1	12.722	12.726	-0.004	28048	22.1	
30 Chrysene						
1	12.762	12.766	-0.004	27541	22.5	
31 n-Hexacosane						
2	13.216	13.216	0.000	20564	19.6	
A 3 C19-C36 Aliphatics						
2	13.300	8.500 - 18.100		205188	141.7	
32 Benzo[k]fluoranthene						
1	13.920	13.924	-0.004	27989	21.8	
33 n-Octacosane						
2	13.944	13.946	-0.002	20333	18.8	
34 Benzo[b]fluoranthene						
1	13.950	13.954	-0.004	28364	22.1	
35 Benzo[a]pyrene						
1	14.242	14.248	-0.006	27152	21.4	
36 Triacontane						
2	14.626	14.628	-0.002	20780	18.5	
37 Indeno[1,2,3-cd]pyrene						
1	15.418	15.426	-0.008	24292	19.4	
38 Dibenz(a,h)anthracene						
1	15.462	15.470	-0.008	26175	21.0	
39 Benzo[g,h,i]perylene						
1	15.732	15.740	-0.008	24024	19.0	

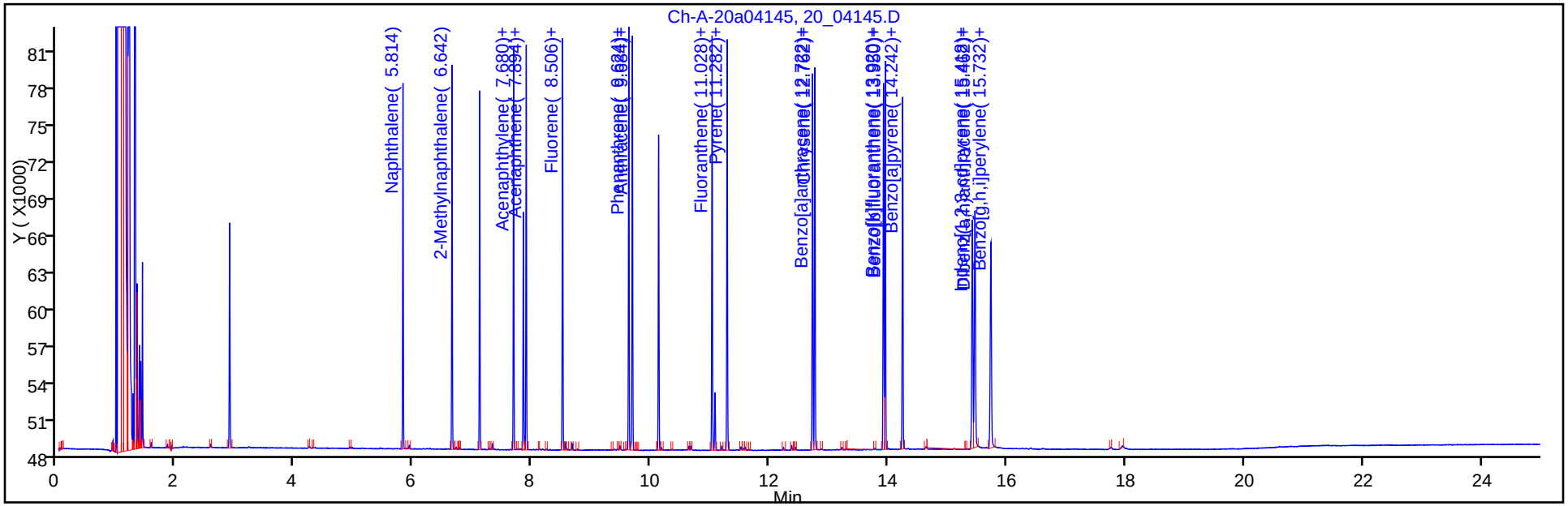
Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
E 40 n-Hexatriacontane						
2	17.924	17.932	-0.008	19141	17.4	

Report Date: 27-Dec-2012 07:13:01 Chrom Revision: 2.0 22-Oct-2012 16:30:48

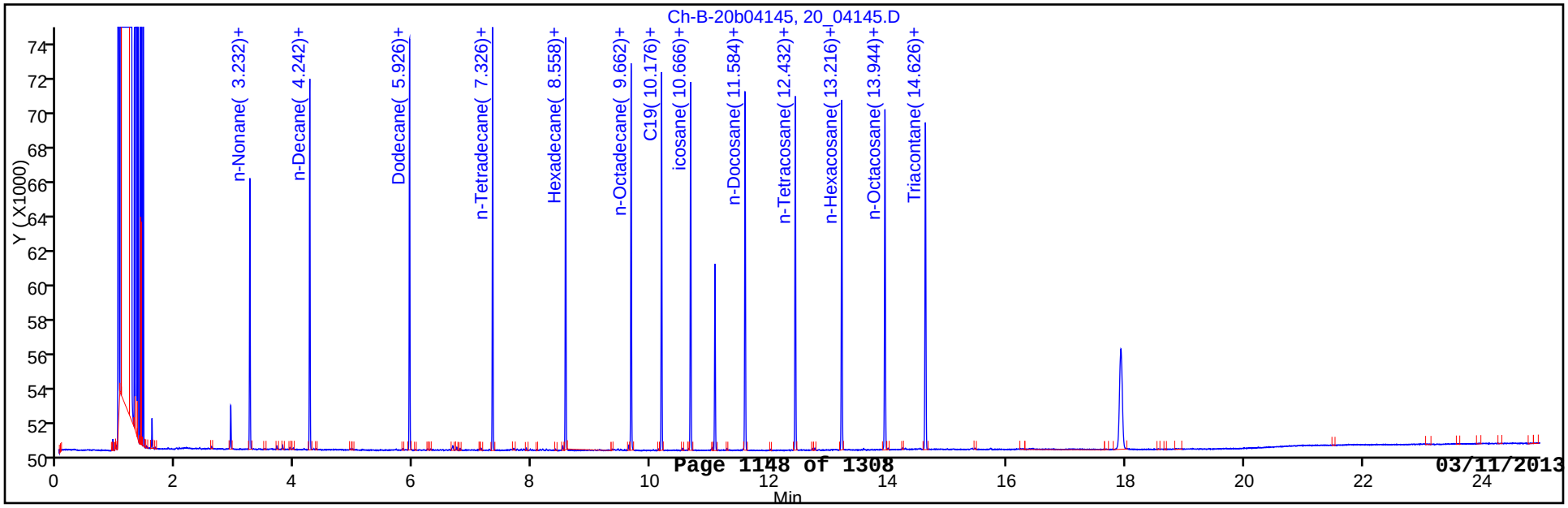
TestAmerica Buffalo

Data File:	\\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\20_04145.D		
Injection Date:	26-Dec-2012 10:42:13	Limit Group:	GC MAEPH ICAL
Client ID:		Instrument ID:	HP7890-20
Lims Batch ID:	97357	Lims Sample ID:	5
Operator ID:	tchrom	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-30197-1

SDG No.:

Instrument ID: HP7890-20 Start Date: 10/17/2012 16:40

Analysis Batch Number: 86038 End Date: 10/17/2012 20:06

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
STD 480-86038/4 IC		10/17/2012 16:40	1	20-02-_-032.D	ZB-5 0.53(mm)
STD 480-86038/4 IC		10/17/2012 16:40	1	20-02-_-032.D	ZB-5 0.53(mm)
STD 480-86038/5 IC		10/17/2012 17:09	1	20-02-_-033.D	ZB-5 0.53(mm)
STD 480-86038/5 IC		10/17/2012 17:09	1	20-02-_-033.D	ZB-5 0.53(mm)
STD 480-86038/6 IC		10/17/2012 17:39	1	20-02-_-034.D	ZB-5 0.53(mm)
STD 480-86038/6 IC		10/17/2012 17:39	1	20-02-_-034.D	ZB-5 0.53(mm)
STD 480-86038/7 IC		10/17/2012 18:08	1	20-02-_-035.D	ZB-5 0.53(mm)
STD 480-86038/7 IC		10/17/2012 18:08	1	20-02-_-035.D	ZB-5 0.53(mm)
STD 480-86038/8 IC		10/17/2012 18:38	1	20-02-_-036.D	ZB-5 0.53(mm)
STD 480-86038/8 IC		10/17/2012 18:38	1	20-02-_-036.D	ZB-5 0.53(mm)
STD 480-86038/9 IC		10/17/2012 19:07	1	20-02-_-037.D	ZB-5 0.53(mm)
STD 480-86038/9 IC		10/17/2012 19:07	1	20-02-_-037.D	ZB-5 0.53(mm)
STD 480-86038/10 IC		10/17/2012 19:37	1	20-02-_-038.D	ZB-5 0.53(mm)
STD 480-86038/10 IC		10/17/2012 19:37	1	20-02-_-038.D	ZB-5 0.53(mm)
ICV 480-86038/11		10/17/2012 20:06	1		ZB-5 0.53(mm)
ICV 480-86038/11		10/17/2012 20:06	1		ZB-5 0.53(mm)

MA-EPH

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-30197-1

SDG No.:

Instrument ID: HP7890-20 Start Date: 12/26/2012 08:10

Analysis Batch Number: 97357 End Date: 12/26/2012 21:59

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 480-97357/2		12/26/2012 08:10	1	20_04142.D	ZB-5 0.53(mm)
CCV 480-97357/2		12/26/2012 08:10	1	20_04142.D	ZB-5 0.53(mm)
MB 480-96085/1-D		12/26/2012 09:43	1	20_04143.D	ZB-5 0.53(mm)
MB 480-96085/1-D		12/26/2012 09:43	1	20_04143.D	ZB-5 0.53(mm)
LCS 480-96085/2-D		12/26/2012 10:12	1	20_04144.D	ZB-5 0.53(mm)
LCS 480-96085/2-D		12/26/2012 10:12	1	20_04144.D	ZB-5 0.53(mm)
LCSD 480-96085/3-D		12/26/2012 10:42	1	20_04145.D	ZB-5 0.53(mm)
LCSD 480-96085/3-D		12/26/2012 10:42	1	20_04145.D	ZB-5 0.53(mm)
ZZZZZ		12/26/2012 11:11	1		ZB-5 0.53(mm)
ZZZZZ		12/26/2012 11:11	1		ZB-5 0.53(mm)
ZZZZZ		12/26/2012 11:40	1		ZB-5 0.53(mm)
ZZZZZ		12/26/2012 11:40	1		ZB-5 0.53(mm)
ZZZZZ		12/26/2012 12:10	1		ZB-5 0.53(mm)
ZZZZZ		12/26/2012 12:10	1		ZB-5 0.53(mm)
ZZZZZ		12/26/2012 12:39	1		ZB-5 0.53(mm)
ZZZZZ		12/26/2012 12:39	1		ZB-5 0.53(mm)
ZZZZZ		12/26/2012 13:09	1		ZB-5 0.53(mm)
ZZZZZ		12/26/2012 13:09	1		ZB-5 0.53(mm)
ZZZZZ		12/26/2012 13:38	1		ZB-5 0.53(mm)
ZZZZZ		12/26/2012 13:38	1		ZB-5 0.53(mm)
ZZZZZ		12/26/2012 14:07	1		ZB-5 0.53(mm)
ZZZZZ		12/26/2012 14:07	1		ZB-5 0.53(mm)
CCV 480-97357/13		12/26/2012 14:37	1	20_04153.D	ZB-5 0.53(mm)
CCV 480-97357/13		12/26/2012 14:37	1	20_04153.D	ZB-5 0.53(mm)
ZZZZZ		12/26/2012 15:07	1		ZB-5 0.53(mm)
ZZZZZ		12/26/2012 15:07	1		ZB-5 0.53(mm)
ZZZZZ		12/26/2012 15:36	1		ZB-5 0.53(mm)
ZZZZZ		12/26/2012 15:36	1		ZB-5 0.53(mm)
ZZZZZ		12/26/2012 16:05	1		ZB-5 0.53(mm)
ZZZZZ		12/26/2012 16:05	1		ZB-5 0.53(mm)
ZZZZZ		12/26/2012 16:35	1		ZB-5 0.53(mm)
ZZZZZ		12/26/2012 16:35	1		ZB-5 0.53(mm)
ZZZZZ		12/26/2012 17:04	50		ZB-5 0.53(mm)
ZZZZZ		12/26/2012 17:04	50		ZB-5 0.53(mm)
CCV 480-97357/19		12/26/2012 17:34	1	20_04159.D	ZB-5 0.53(mm)
CCV 480-97357/19		12/26/2012 17:34	1	20_04159.D	ZB-5 0.53(mm)
480-30197-13	OC-SB-533-0.0/1.0-XXX	12/26/2012 18:03	1	20_04160.D	ZB-5 0.53(mm)
480-30197-13	OC-SB-533-0.0/1.0-XXX	12/26/2012 18:03	1	20_04160.D	ZB-5 0.53(mm)
480-30197-14	OC-SB-533-6.0/8.0-XXX	12/26/2012 18:33	1	20_04161.D	ZB-5 0.53(mm)
480-30197-14	OC-SB-533-6.0/8.0-XXX	12/26/2012 18:33	1	20_04161.D	ZB-5 0.53(mm)
480-30197-15	OC-SB-533-13/15-XXX	12/26/2012 19:02	1	20_04162.D	ZB-5 0.53(mm)
480-30197-15	OC-SB-533-13/15-XXX	12/26/2012 19:02	1	20_04162.D	ZB-5 0.53(mm)
480-30197-16	OC-SB-532-0.0/1.0-XXX	12/26/2012 19:31	1	20_04163.D	ZB-5 0.53(mm)
480-30197-16	OC-SB-532-0.0/1.0-XXX	12/26/2012 19:31	1	20_04163.D	ZB-5 0.53(mm)
480-30197-17	OC-SB-532-6.0/8.0-XXX	12/26/2012 20:01	1	20_04164.D	ZB-5 0.53(mm)

MA-EPH

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-30197-1

SDG No.:

Instrument ID: HP7890-20 Start Date: 12/26/2012 08:10

Analysis Batch Number: 97357 End Date: 12/26/2012 21:59

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
480-30197-17	OC-SB-532-6.0/8.0-XXX	12/26/2012 20:01	1	20_04164.D	ZB-5 0.53(mm)
480-30197-18	OC-SB-532-11/13-XXX	12/26/2012 20:31	1	20_04165.D	ZB-5 0.53(mm)
480-30197-18	OC-SB-532-11/13-XXX	12/26/2012 20:31	1	20_04165.D	ZB-5 0.53(mm)
480-30197-19	OC-SB-534-0.0/1.0-XXX	12/26/2012 21:00	1	20_04166.D	ZB-5 0.53(mm)
480-30197-19	OC-SB-534-0.0/1.0-XXX	12/26/2012 21:00	1	20_04166.D	ZB-5 0.53(mm)
480-30197-20	OC-SB-534-7.0/9.0-XXX	12/26/2012 21:30	1	20_04167.D	ZB-5 0.53(mm)
480-30197-20	OC-SB-534-7.0/9.0-XXX	12/26/2012 21:30	1	20_04167.D	ZB-5 0.53(mm)
CCV 480-97357/28		12/26/2012 21:59	1	20_04168.D	ZB-5 0.53(mm)
CCV 480-97357/28		12/26/2012 21:59	1	20_04168.D	ZB-5 0.53(mm)

GC SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-30197-1

SDG No.:

Batch Number: 96085 Batch Start Date: 12/17/12 07:25 Batch Analyst: Evers, David

Batch Method: 3546 Batch End Date: 12/17/12 15:41

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	O_EPHaliLCS 00001	O_EPHaromaLCS 00002	O_EPHsurr 00001	
MB 480-96085/1		3546, MA EPH Frac, MA-EPH		000010.8 g	2 mL			1 mL	
LCS 480-96085/2		3546, MA EPH Frac, MA-EPH		000010.9 g	2 mL	1 mL	1 mL	1 mL	
LCSD 480-96085/3		3546, MA EPH Frac, MA-EPH		000010.9 g	2 mL	1 mL	1 mL	1 mL	
480-30197-A-13	OC-SB-533-0.0/1.0-XXX	3546, MA EPH Frac, MA-EPH	T	000010.4 g	2 mL			1 mL	
480-30197-A-14	OC-SB-533-6.0/8.0-XXX	3546, MA EPH Frac, MA-EPH	T	000010.3 g	2 mL			1 mL	
480-30197-A-15	OC-SB-533-13/15-XXX	3546, MA EPH Frac, MA-EPH	T	000010.1 g	2 mL			1 mL	
480-30197-A-16	OC-SB-532-0.0/1.0-XXX	3546, MA EPH Frac, MA-EPH	T	000010.3 g	2 mL			1 mL	
480-30197-A-17	OC-SB-532-6.0/8.0-XXX	3546, MA EPH Frac, MA-EPH	T	000010.7 g	2 mL			1 mL	
480-30197-A-18	OC-SB-532-11/13-XXX	3546, MA EPH Frac, MA-EPH	T	000010.4 g	2 mL			1 mL	
480-30197-A-19	OC-SB-534-0.0/1.0-XXX	3546, MA EPH Frac, MA-EPH	T	000010.1 g	2 mL			1 mL	
480-30197-A-20	OC-SB-534-7.0/9.0-XXX	3546, MA EPH Frac, MA-EPH	T	000010.4 g	2 mL			1 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.

GC SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-30197-1

SDG No.:

Batch Number: 96085 Batch Start Date: 12/17/12 07:25 Batch Analyst: Evers, David

Batch Method: 3546 Batch End Date: 12/17/12 15:41

Batch Notes	
Acetone Lot #	K41E20
Balance ID	14552245
Person's name who did the concentration	DLE TR
Exchange Solvent Lot #	0000014962
Exchange Solvent Name	Hexane
Final Concentrator Volume	1 mL
Hexane Lot#	0000014962
MeCL2 Lot #	0000021508
Microwave Start Time	09:23
Microwave Stop Time	10:13
Na2SO4 Lot Number	27862007
Ottawa Sand Lot #	89090
Person's name who did the prep	DLE
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.

GC SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-30197-1

SDG No.:

Batch Number: 96535 Batch Start Date: 12/19/12 08:06 Batch Analyst: Evers, David

Batch Method: MA EPH Frac Batch End Date: 12/19/12 15:27

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	O_EPHfracsurr 00005	AnalysisComment		
MB 480-96085/1-A		MA EPH Frac, MA-EPH		2 mL	2 mL	1 mL	Aliphatic		
LCS 480-96085/2-A		MA EPH Frac, MA-EPH		2 mL	2 mL	1 mL	Aliphatic		
LCSD 480-96085/3-A		MA EPH Frac, MA-EPH		2 mL	2 mL	1 mL	Aliphatic		
480-30197-A-13-A	OC-SB-533-0.0/1.0-XXX	MA EPH Frac, MA-EPH	T	2 mL	2 mL	1 mL	Aliphatic		
480-30197-A-14-A	OC-SB-533-6.0/8.0-XXX	MA EPH Frac, MA-EPH	T	2 mL	2 mL	1 mL	Aliphatic		
480-30197-A-15-A	OC-SB-533-13/15-XXX	MA EPH Frac, MA-EPH	T	2 mL	2 mL	1 mL	Aliphatic		
480-30197-A-16-A	OC-SB-532-0.0/1.0-XXX	MA EPH Frac, MA-EPH	T	2 mL	2 mL	1 mL	Aliphatic		
480-30197-A-17-A	OC-SB-532-6.0/8.0-XXX	MA EPH Frac, MA-EPH	T	2 mL	2 mL	1 mL	Aliphatic		
480-30197-A-18-A	OC-SB-532-11/13-XXX	MA EPH Frac, MA-EPH	T	2 mL	2 mL	1 mL	Aliphatic		
480-30197-A-19-A	OC-SB-534-0.0/1.0-XXX	MA EPH Frac, MA-EPH	T	2 mL	2 mL	1 mL	Aliphatic		
480-30197-A-20-A	OC-SB-534-7.0/9.0-XXX	MA EPH Frac, MA-EPH	T	2 mL	2 mL	1 mL	Aliphatic		

Batch Notes	
Batch Comment	Silica SPE Lot #: S212-61
Solvent	MeCL2 0000026554/ Acetone 0000025449/ Hexane 14962

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.

MAEPH_Calc

Massachusetts - Extractable Petroleum Hydrocarbons (GC)

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-30197-1

SDG No.:

Client Sample ID: OC-SB-533-0.0/1.0-XXX Lab Sample ID: 480-30197-13

Matrix: Solid Lab File ID:

Analysis Method: MA-EPH Date Collected: 12/13/2012 14:00

Extraction Method: Date Extracted:

Sample wt/vol: Date Analyzed: 12/27/2012 14:59

Con. Extract Vol.: Dilution Factor: 1

Injection Volume: GC Column: ID:

% Moisture: 5.6 GPC Cleanup:(Y/N) N

Analysis Batch No.: 97578 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00203	C11-C22 Aromatics (Adjusted)	ND		3.5	3.5

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-30197-1

SDG No.:

Client Sample ID: OC-SB-533-6.0/8.0-XXX Lab Sample ID: 480-30197-14

Matrix: Solid Lab File ID:

Analysis Method: MA-EPH Date Collected: 12/13/2012 14:20

Extraction Method: Date Extracted:

Sample wt/vol: Date Analyzed: 12/27/2012 14:59

Con. Extract Vol.: Dilution Factor: 1

Injection Volume: GC Column: ID:

% Moisture: 4.6 GPC Cleanup:(Y/N) N

Analysis Batch No.: 97578 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00203	C11-C22 Aromatics (Adjusted)	120		3.5	3.5

FORM I

GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-30197-1

SDG No.:

Client Sample ID: OC-SB-533-13/15-XXX Lab Sample ID: 480-30197-15

Matrix: Solid Lab File ID:

Analysis Method: MA-EPH Date Collected: 12/13/2012 14:30

Extraction Method: Date Extracted:

Sample wt/vol: Date Analyzed: 12/27/2012 14:59

Con. Extract Vol.: Dilution Factor: 1

Injection Volume: GC Column: ID:

% Moisture: 16.7 GPC Cleanup:(Y/N) N

Analysis Batch No.: 97578 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00203	C11-C22 Aromatics (Adjusted)	ND		4.0	4.0

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-30197-1

SDG No.:

Client Sample ID: OC-SB-532-0.0/1.0-XXX Lab Sample ID: 480-30197-16

Matrix: Solid Lab File ID:

Analysis Method: MA-EPH Date Collected: 12/13/2012 14:40

Extraction Method: Date Extracted:

Sample wt/vol: Date Analyzed: 12/27/2012 14:59

Con. Extract Vol.: Dilution Factor: 1

Injection Volume: GC Column: ID:

% Moisture: 6.3 GPC Cleanup:(Y/N) N

Analysis Batch No.: 97578 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00203	C11-C22 Aromatics (Adjusted)	28		3.5	3.5

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-30197-1

SDG No.:

Client Sample ID: OC-SB-532-6.0/8.0-XXX Lab Sample ID: 480-30197-17

Matrix: Solid Lab File ID:

Analysis Method: MA-EPH Date Collected: 12/13/2012 14:45

Extraction Method: Date Extracted:

Sample wt/vol: Date Analyzed: 12/27/2012 14:59

Con. Extract Vol.: Dilution Factor: 1

Injection Volume: GC Column: ID:

% Moisture: 14.9 GPC Cleanup:(Y/N) N

Analysis Batch No.: 97578 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00203	C11-C22 Aromatics (Adjusted)	ND		3.9	3.9

FORM I

GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-30197-1

SDG No.:

Client Sample ID: OC-SB-532-11/13-XXX Lab Sample ID: 480-30197-18

Matrix: Solid Lab File ID:

Analysis Method: MA-EPH Date Collected: 12/13/2012 14:50

Extraction Method: Date Extracted:

Sample wt/vol: Date Analyzed: 12/27/2012 14:59

Con. Extract Vol.: Dilution Factor: 1

Injection Volume: GC Column: ID:

% Moisture: 25.0 GPC Cleanup:(Y/N) N

Analysis Batch No.: 97578 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00203	C11-C22 Aromatics (Adjusted)	ND		4.4	4.4

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-30197-1

SDG No.:

Client Sample ID: OC-SB-534-0.0/1.0-XXX Lab Sample ID: 480-30197-19

Matrix: Solid Lab File ID:

Analysis Method: MA-EPH Date Collected: 12/13/2012 15:05

Extraction Method: Date Extracted:

Sample wt/vol: Date Analyzed: 12/27/2012 14:59

Con. Extract Vol.: Dilution Factor: 1

Injection Volume: GC Column: ID:

% Moisture: 6.6 GPC Cleanup:(Y/N) N

Analysis Batch No.: 97578 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00203	C11-C22 Aromatics (Adjusted)	31		3.5	3.5

FORM I

GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-30197-1

SDG No.:

Client Sample ID: OC-SB-534-7.0/9.0-XXX Lab Sample ID: 480-30197-20

Matrix: Solid Lab File ID:

Analysis Method: MA-EPH Date Collected: 12/13/2012 15:10

Extraction Method: Date Extracted:

Sample wt/vol: Date Analyzed: 12/27/2012 14:59

Con. Extract Vol.: Dilution Factor: 1

Injection Volume: GC Column: ID:

% Moisture: 7.8 GPC Cleanup:(Y/N) N

Analysis Batch No.: 97578 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00203	C11-C22 Aromatics (Adjusted)	ND		3.6	3.6

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-30197-1

SDG No.:

Instrument ID: HP7890-20 Start Date: 12/27/2012 14:59

Analysis Batch Number: 97578 End Date: 12/27/2012 15:10

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
480-30197-13	OC-SB-533-0.0/1.0-XXX	12/27/2012 14:59	1		
ZZZZZ		12/27/2012 14:59	1		
480-30197-14	OC-SB-533-6.0/8.0-XXX	12/27/2012 14:59	1		
ZZZZZ		12/27/2012 14:59	1		
480-30197-15	OC-SB-533-13/15-XXX	12/27/2012 14:59	1		
ZZZZZ		12/27/2012 14:59	1		
480-30197-16	OC-SB-532-0.0/1.0-XXX	12/27/2012 14:59	1		
ZZZZZ		12/27/2012 14:59	1		
480-30197-17	OC-SB-532-6.0/8.0-XXX	12/27/2012 14:59	1		
ZZZZZ		12/27/2012 14:59	1		
480-30197-18	OC-SB-532-11/13-XXX	12/27/2012 14:59	1		
ZZZZZ		12/27/2012 14:59	1		
480-30197-19	OC-SB-534-0.0/1.0-XXX	12/27/2012 14:59	1		
ZZZZZ		12/27/2012 14:59	1		
480-30197-20	OC-SB-534-7.0/9.0-XXX	12/27/2012 14:59	1		
ZZZZZ		12/27/2012 14:59	1		
ZZZZZ		12/27/2012 15:10	1		
ZZZZZ		12/27/2012 15:10	1		
ZZZZZ		12/27/2012 15:10	1		
ZZZZZ		12/27/2012 15:10	1		
ZZZZZ		12/27/2012 15:10	1		
ZZZZZ		12/27/2012 15:10	1		
ZZZZZ		12/27/2012 15:10	1		
ZZZZZ		12/27/2012 15:10	1		
ZZZZZ		12/27/2012 15:10	1		
ZZZZZ		12/27/2012 15:10	1		
ZZZZZ		12/27/2012 15:10	1		
ZZZZZ		12/27/2012 15:10	1		

MA-EPH

Method 7199

Chromium, Hexavalent (IC) by Method 7199

FORM III
HPLC/IC LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Irvine Job No.: 480-30197-1

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 IV
HPLC/IC METHOD BLANK SUMMARY

Lab Name: TestAmerica Irvine Job No.: 480-30197-1

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-509-1.0/3.0-XXX	480-30197-1	Info 2_TAIIRV167_Hex Chrom_20130104-025434.d	01/04/2013 02:41
OC-SB-510-0.0/1.0-XXX	480-30197-2	Info 2_TAIIRV167_Hex Chrom_20130104-030714.d	01/04/2013 02:54
OC-SB-510-7.0/9.0-XXX	480-30197-3	Info 2_TAIIRV167_Hex Chrom_20130104-031953.d	01/04/2013 03:07
OC-SB-522-0.0/1.0-XXX	480-30197-7	Info 2_TAIIRV167_Hex Chrom_20130104-033233.d	01/04/2013 03:19
OC-SB-522-8.0/10-XXX	480-30197-8	Info 2_TAIIRV167_Hex Chrom_20130104-034512.d	01/04/2013 03:32
OC-SB-522-13/15-XXX	480-30197-9	Info 2_TAIIRV167_Hex Chrom_20130104-042311.d	01/04/2013 04:10

FORM IV
HPLC/IC METHOD BLANK SUMMARY

Lab Name: TestAmerica Irvine Job No.: 480-30197-1

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-525-0.0/1.0-XXX	480-30197-10	Info 2_TAIIRV167_Hex Chrom_20130104-043550.d	01/04/2013 04:23
OC-SB-525-3.0/5.0-XXX	480-30197-11	Info 2_TAIIRV167_Hex Chrom_20130104-044830.d	01/04/2013 04:35
OC-SB-525-18/20-XXX	480-30197-12	Info 2_TAIIRV167_Hex Chrom_20130104-050109.d	01/04/2013 04:48

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Irvine
Job No.: 480-30197-1
SDG No.:
Client Sample ID: OC-SB-509-1.0/3.0-XXX
Lab Sample ID: 480-30197-1
Matrix: Solid
Lab File ID: Info 2_TAIIRV167_Hex
Analysis Method: 7199
Date Collected: 12/13/2012 13:35
Extraction Method: 3060A
Date Extracted: 01/03/2013 09:01
Sample wt/vol: 1.2540(g)
Date Analyzed: 01/04/2013 02:41
Con. Extract Vol.: 50(mL)
Dilution Factor: 1000
Injection Volume: 1(uL)
GC Column: AS7 ID: 4(mm)
% Moisture: 20.4
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)	28		25	19

TestAmerica Irvine
Target Compound Quantitation Report

Data File:	\\Irvchrom\ChromData\IC16\20130103-17001.b\Info 2_TAIIRV167_Hex Chrom_20130104-025434.d		
Lims ID:	480-30197-A-1-D	Client ID:	OC-SB-509-1.0/3.0-XXX
Inject. Date:	04-Jan-2013 02:41:00	Dil. Factor:	1000.0000
Sample Type:	Client		
Sample ID:	440-0017001-046		
Misc. Info.:	440-0017001-046		
Operator:	irvinorg	Instrument ID:	IC-16
Injection Vol:	1.0 ul	ALS Bottle#:	0
Lims Batch ID:	76762	Lims Sample ID:	46
Raw Data:	Smoothed		
Detector:	GC Info 2_TAIIRV167_Hex Chrom_20130104-025434		
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 06:28:43

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
1 Cr (VI)	8.205	8.262	-0.057	28389	0.5612	

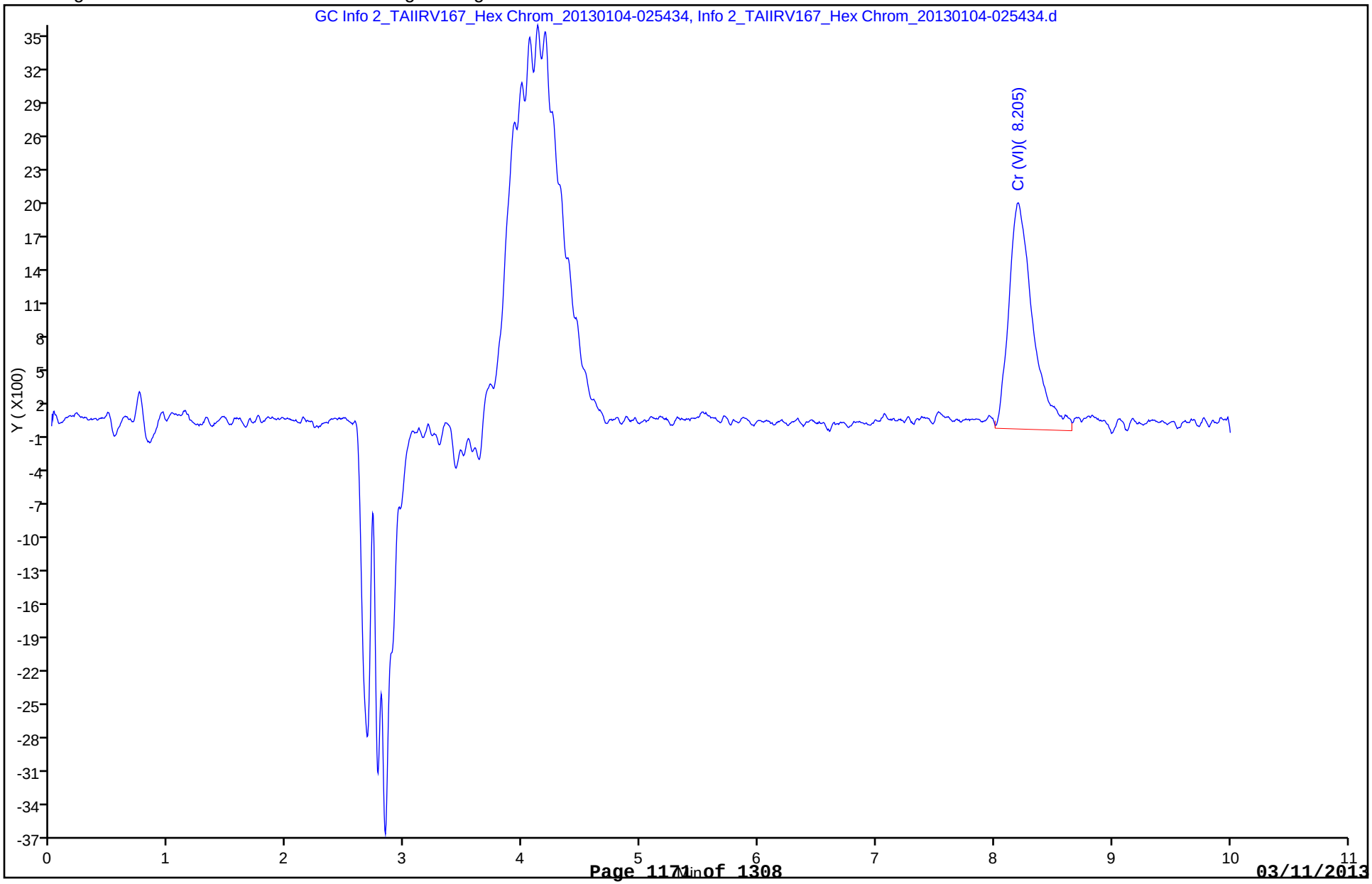
Report Date: 04-Jan-2013 06:28:43 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Irvine

Data File: \\Irvchrom\ChromData\IC16\20130103-17001.b\Info 2_TAIIRV167_Hex Chrom_20130104-025434.d

Injection Date:	04-Jan-2013 02:41:00	Limit Group:	IC-7199
Client ID:	OC-SB-509-1.0/3.0-XXX	Instrument ID:	IC-16
Lims Batch ID:	76762	Lims Sample ID:	46
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.: 480-30197-1
SDG No.:
Client Sample ID: OC-SB-510-0.0/1.0-XXX
Lab Sample ID: 480-30197-2
Matrix: Solid
Lab File ID: Info 2_TAIIRV167_Hex
Analysis Method: 7199
Date Collected: 12/13/2012 12:55
Extraction Method: 3060A
Date Extracted: 01/03/2013 09:01
Sample wt/vol: 1.2549(g)
Date Analyzed: 01/04/2013 02:54
Con. Extract Vol.: 50(mL)
Dilution Factor: 10
Injection Volume: 1(uL)
GC Column: AS7 ID: 4(mm)
% Moisture: 7.9
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)	10		0.22	0.16

TestAmerica Irvine
Target Compound Quantitation Report

Data File:	\\Irvchrom\ChromData\IC16\20130103-17001.b\Info 2_TAIIRV167_Hex Chrom_20130104-030714.d		
Lims ID:	480-30197-A-2-D	Client ID:	OC-SB-510-0.0/1.0-XXX
Inject. Date:	04-Jan-2013 02:54:00	Dil. Factor:	10.0000
Sample Type:	Client		
Sample ID:	440-0017001-047		
Misc. Info.:	440-0017001-047		
Operator:	irvinorg	Instrument ID:	IC-16
Injection Vol:	1.0 ul	ALS Bottle#:	0
Lims Batch ID:	76762	Lims Sample ID:	47
Raw Data:	Smoothed		
Detector:	GC Info 2_TAIIRV167_Hex Chrom_20130104-030714		
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 06:28:51

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
1 Cr (VI)	8.148	8.262	-0.114	881471	23.2	

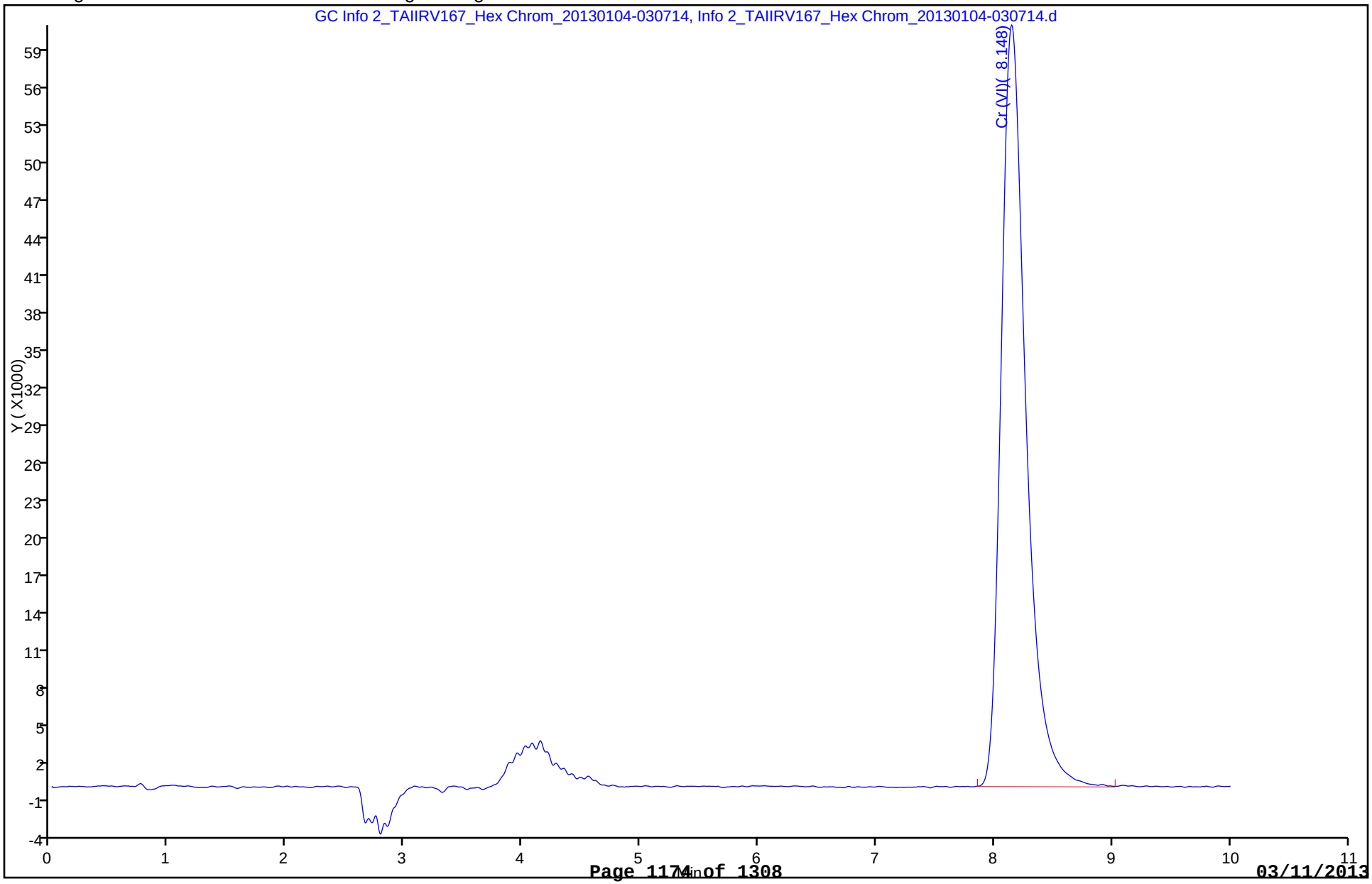
Report Date: 04-Jan-2013 06:28:51 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Irvine

Data File: \\Irvchrom\ChromData\IC16\20130103-17001.b\Info 2_TAIIRV167_Hex Chrom_20130104-030714.d

Injection Date:	04-Jan-2013 02:54:00	Limit Group:	IC-7199
Client ID:	OC-SB-510-0.0/1.0-XXX	Instrument ID:	IC-16
Lims Batch ID:	76762	Lims Sample ID:	47
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.: 480-30197-1
SDG No.:
Client Sample ID: OC-SB-510-7.0/9.0-XXX
Lab Sample ID: 480-30197-3
Matrix: Solid
Lab File ID: Info 2_TAIIRV167_Hex
Analysis Method: 7199
Date Collected: 12/13/2012 13:00
Extraction Method: 3060A
Date Extracted: 01/03/2013 09:01
Sample wt/vol: 1.2561(g)
Date Analyzed: 01/04/2013 03:07
Con. Extract Vol.: 50(mL)
Dilution Factor: 10
Injection Volume: 1(uL)
GC Column: AS7 ID: 4(mm)
% Moisture: 14.1
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)	6.0		0.23	0.17

TestAmerica Irvine
Target Compound Quantitation Report

Data File:	\\Irvchrom\ChromData\IC16\20130103-17001.b\Info 2_TAIIRV167_Hex Chrom_20130104-031953.d		
Lims ID:	480-30197-A-3-D	Client ID:	OC-SB-510-7.0/9.0-XXX
Inject. Date:	04-Jan-2013 03:07:00	Dil. Factor:	10.0000
Sample Type:	Client		
Sample ID:	440-0017001-048		
Misc. Info.:	440-0017001-048		
Operator:	irvinorg	Instrument ID:	IC-16
Injection Vol:	1.0 ul	ALS Bottle#:	0
Lims Batch ID:	76762	Lims Sample ID:	48
Raw Data:	Smoothed		
Detector:	GC Info 2_TAIIRV167_Hex Chrom_20130104-031953		
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 06:28:57

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
1 Cr (VI)	8.132	8.262	-0.130	492133	12.8	

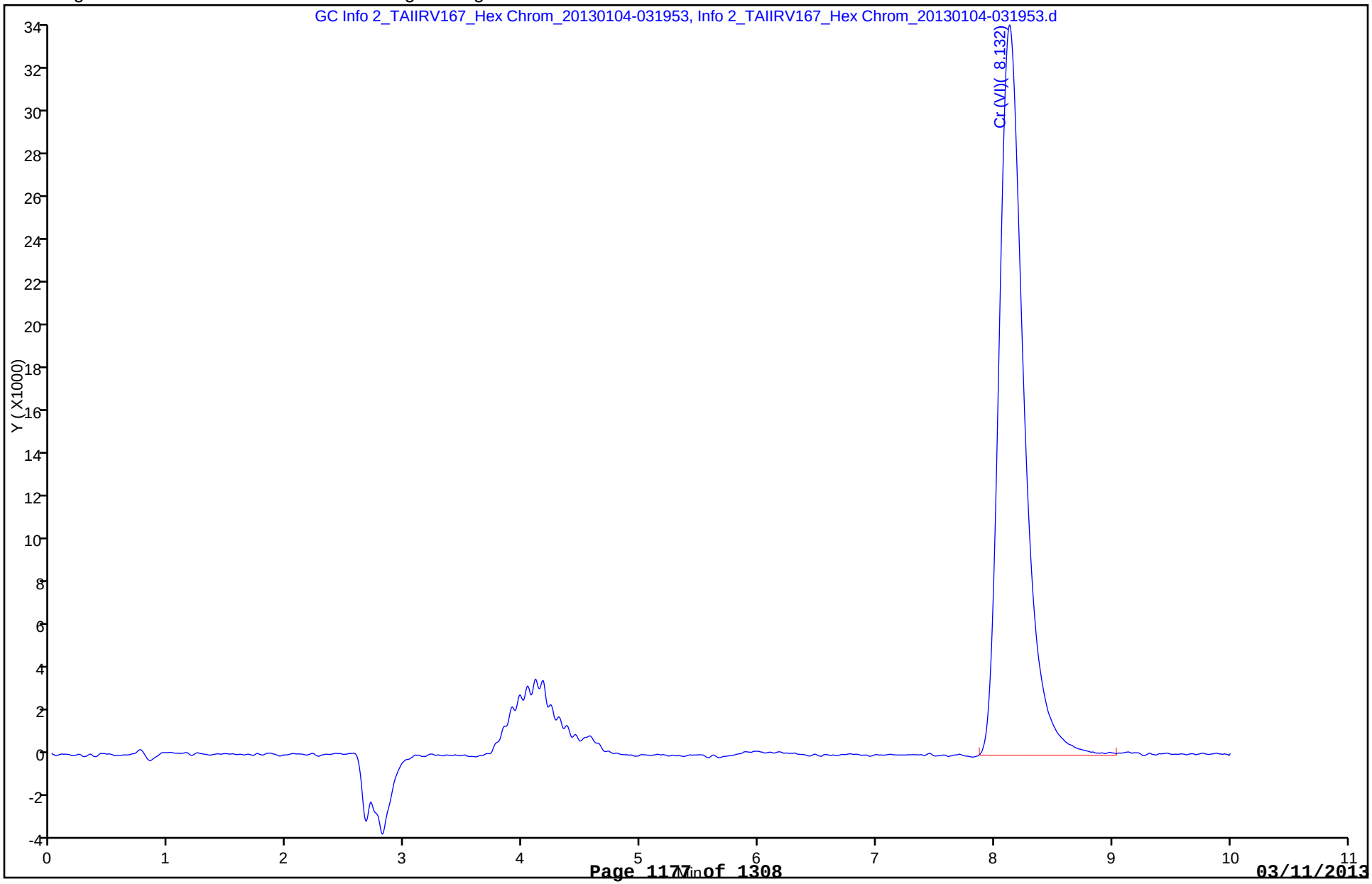
Report Date: 04-Jan-2013 06:28:57 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Irvine

Data File: \\Irvchrom\ChromData\IC16\20130103-17001.b\Info 2_TAIIRV167_Hex Chrom_20130104-031953.d

Injection Date:	04-Jan-2013 03:07:00	Limit Group:	IC-7199
Client ID:	OC-SB-510-7.0/9.0-XXX	Instrument ID:	IC-16
Lims Batch ID:	76762	Lims Sample ID:	48
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
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Lab Name: TestAmerica Irvine
Job No.: 480-30197-1
SDG No.:
Client Sample ID: OC-SB-522-0.0/1.0-XXX
Lab Sample ID: 480-30197-7
Matrix: Solid
Lab File ID: Info 2_TAIIRV167_Hex
Analysis Method: 7199
Date Collected: 12/13/2012 09:20
Extraction Method: 3060A
Date Extracted: 01/03/2013 09:01
Sample wt/vol: 1.2537(g)
Date Analyzed: 01/04/2013 03:19
Con. Extract Vol.: 50(mL)
Dilution Factor: 10
Injection Volume: 1(uL)
GC Column: AS7 ID: 4(mm)
% Moisture: 19.2
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_20130104-033233.d		
Lims ID:	480-30197-A-7-D	Client ID:	OC-SB-522-0.0/1.0-XXX
Inject. Date:	04-Jan-2013 03:19:00	Dil. Factor:	10.0000
Sample Type:	Client		
Sample ID:	440-0017001-049		
Misc. Info.:	440-0017001-049		
Operator:	irvinorg	Instrument ID:	IC-16
Injection Vol:	1.0 ul	ALS Bottle#:	0
Lims Batch ID:	76762	Lims Sample ID:	49
Raw Data:	Smoothed		
Detector:	GC Info 2_TAIIRV167_Hex Chrom_20130104-033233		
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 06:29:03

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
1 Cr (VI)	8.112	8.262	-0.150	18798	0.3072	

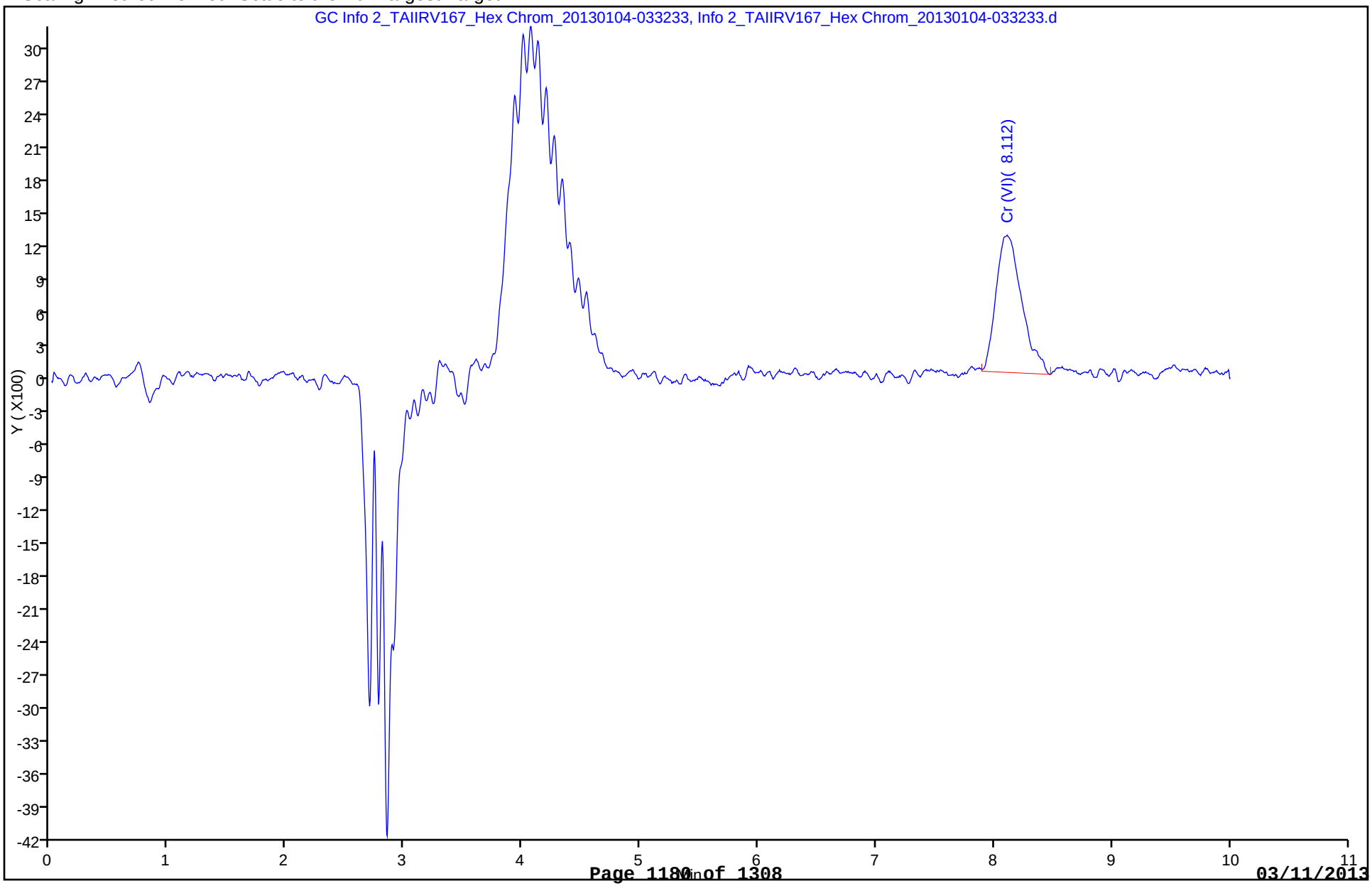
Report Date: 04-Jan-2013 06:29:03 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Irvine

Data File: \\Irvchrom\ChromData\IC16\20130103-17001.b\Info 2_TAIIRV167_Hex Chrom_20130104-033233.d

Injection Date:	04-Jan-2013 03:19:00	Limit Group:	IC-7199
Client ID:	OC-SB-522-0.0/1.0-XXX	Instrument ID:	IC-16
Lims Batch ID:	76762	Lims Sample ID:	49
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.: 480-30197-1

SDG No.:

Client Sample ID: OC-SB-522-8.0/10-XXX | Lab Sample ID: 480-30197-8

Matrix: Solid | Lab File ID: Info 2_TAIIRV167_Hex

Analysis Method: 7199 | Date Collected: 12/13/2012 09:40

Extraction Method: 3060A | Date Extracted: 01/03/2013 09:01

Sample wt/vol: 1.2556(g) | Date Analyzed: 01/04/2013 03:32

Con. Extract Vol.: 50(mL) | Dilution Factor: 10

Injection Volume: 1(uL) | GC Column: AS7 ID: 4(mm)

% Moisture: 18.1 | 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)	1.6		0.24	0.18

TestAmerica Irvine
Target Compound Quantitation Report

Data File:	\\Irvchrom\ChromData\IC16\20130103-17001.b\Info 2_TAIIRV167_Hex Chrom_20130104-034512.d		
Lims ID:	480-30197-A-8-E	Client ID:	OC-SB-522-8.0/10-XXX
Inject. Date:	04-Jan-2013 03:32:00	Dil. Factor:	10.0000
Sample Type:	Client		
Sample ID:	440-0017001-050		
Misc. Info.:	440-0017001-050		
Operator:	irvinorg	Instrument ID:	IC-16
Injection Vol:	1.0 ul	ALS Bottle#:	0
Lims Batch ID:	76762	Lims Sample ID:	50
Raw Data:	Smoothed		
Detector:	GC Info 2_TAIIRV167_Hex Chrom_20130104-034512		
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 06:29:09

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
1 Cr (VI)	8.138	8.262	-0.124	133859	3.36	

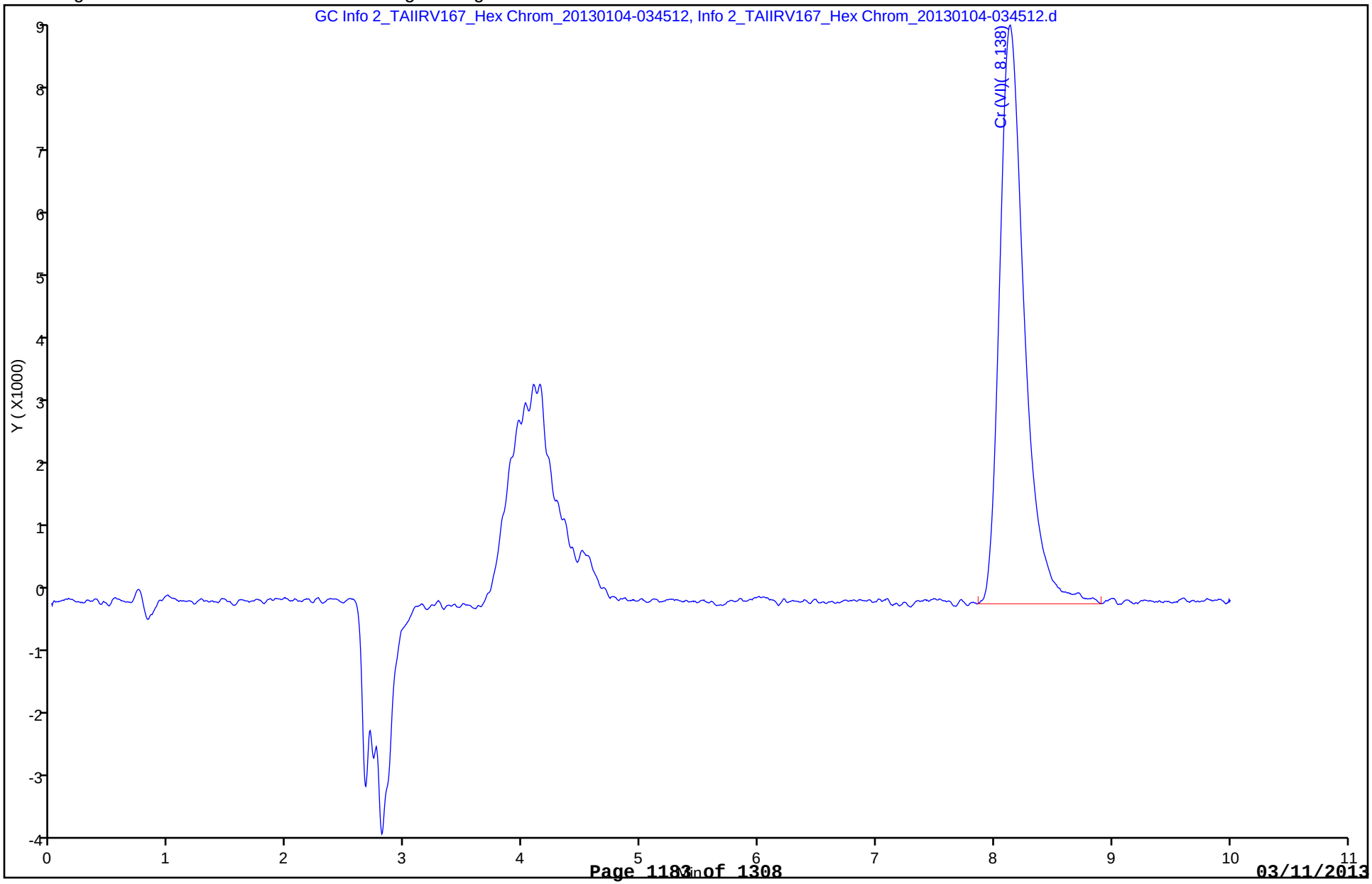
Report Date: 04-Jan-2013 06:29:09 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Irvine

Data File: \\Irvchrom\ChromData\IC16\20130103-17001.b\Info 2_TAIIRV167_Hex Chrom_20130104-034512.d

Injection Date:	04-Jan-2013 03:32:00	Limit Group:	IC-7199
Client ID:	OC-SB-522-8.0/10-XXX	Instrument ID:	IC-16
Lims Batch ID:	76762	Lims Sample ID:	50
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.: 480-30197-1
SDG No.:
Client Sample ID: OC-SB-522-13/15-XXX
Lab Sample ID: 480-30197-9
Matrix: Solid
Lab File ID: Info 2_TAIIRV167_Hex
Analysis Method: 7199
Date Collected: 12/13/2012 09:50
Extraction Method: 3060A
Date Extracted: 01/03/2013 09:01
Sample wt/vol: 1.2546(g)
Date Analyzed: 01/04/2013 04:10
Con. Extract Vol.: 50(mL)
Dilution Factor: 10
Injection Volume: 1(uL)
GC Column: AS7 ID: 4(mm)
% Moisture: 18.2
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)	0.20	J	0.24	0.18

TestAmerica Irvine
Target Compound Quantitation Report

Data File:	\\Irvchrom\ChromData\IC16\20130103-17001.b\Info 2_TAIIRV167_Hex Chrom_20130104-042311.d		
Lims ID:	480-30197-A-9-D	Client ID:	OC-SB-522-13/15-XXX
Inject. Date:	04-Jan-2013 04:10:00	Dil. Factor:	10.0000
Sample Type:	Client		
Sample ID:	440-0017001-053		
Misc. Info.:	440-0017001-053		
Operator:	irvinorg	Instrument ID:	IC-16
Injection Vol:	1.0 ul	ALS Bottle#:	0
Lims Batch ID:	76762	Lims Sample ID:	53
Raw Data:	Smoothed		
Detector:	GC Info 2_TAIIRV167_Hex Chrom_20130104-042311		
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 06:49:35

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
1 Cr (VI)	8.148	8.262	-0.114	22775	0.4125	

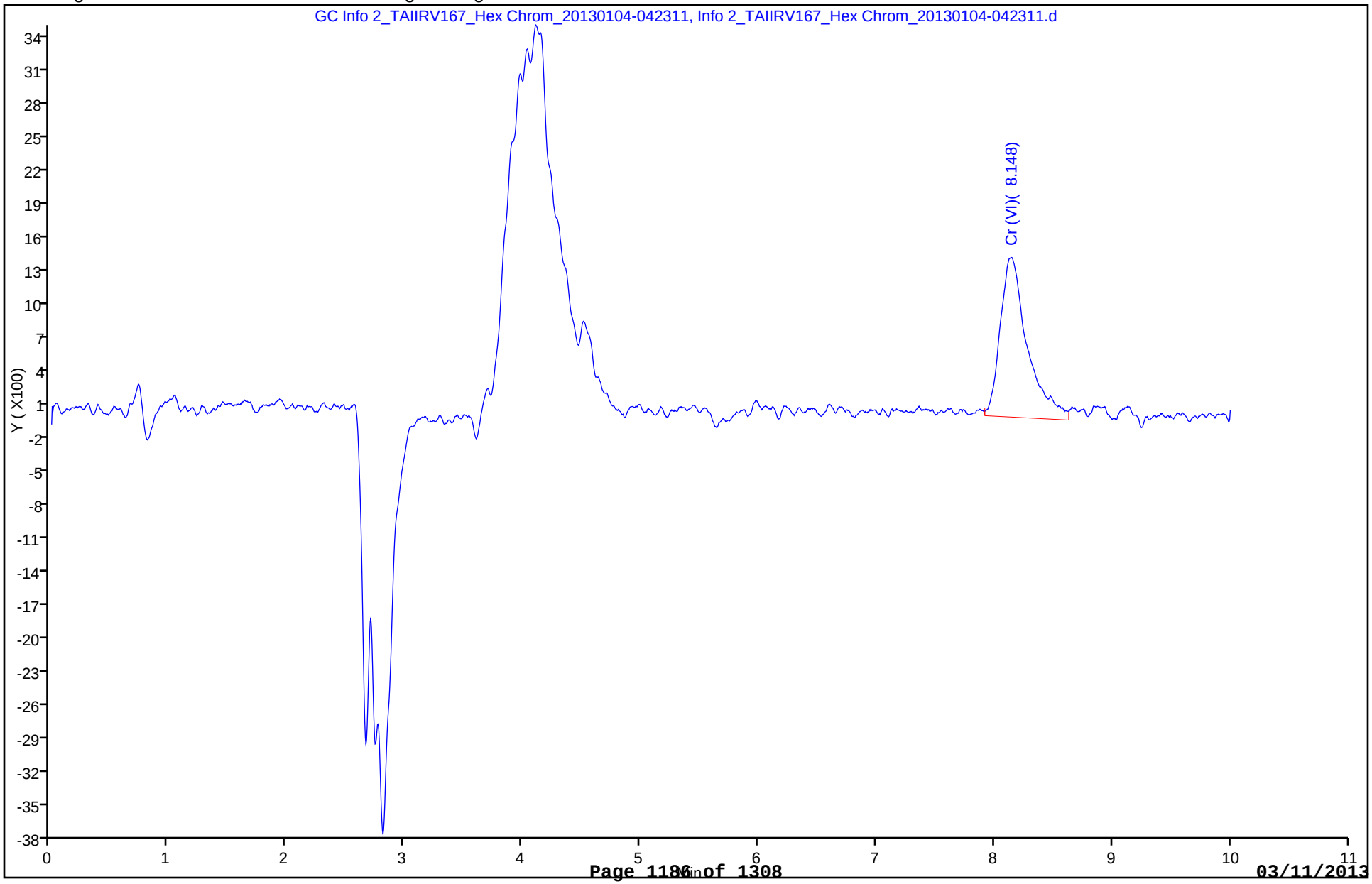
Report Date: 04-Jan-2013 06:49:35 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Irvine

Data File: \\Irvchrom\ChromData\IC16\20130103-17001.b\Info 2_TAIIRV167_Hex Chrom_20130104-042311.d

Injection Date:	04-Jan-2013 04:10:00	Limit Group:	IC-7199
Client ID:	OC-SB-522-13/15-XXX	Instrument ID:	IC-16
Lims Batch ID:	76762	Lims Sample ID:	53
Operator ID:	irvinorg	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



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HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Irvine
Job No.: 480-30197-1
SDG No.:
Client Sample ID: OC-SB-525-0.0/1.0-XXX
Lab Sample ID: 480-30197-10
Matrix: Solid
Lab File ID: Info 2_TAIIRV167_Hex
Analysis Method: 7199
Date Collected: 12/13/2012 11:00
Extraction Method: 3060A
Date Extracted: 01/03/2013 09:01
Sample wt/vol: 1.2520(g)
Date Analyzed: 01/04/2013 04:23
Con. Extract Vol.: 50(mL)
Dilution Factor: 10
Injection Volume: 1(uL)
GC Column: AS7 ID: 4(mm)
% Moisture: 10.1
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)	0.52		0.22	0.17

TestAmerica Irvine
Target Compound Quantitation Report

Data File:	\\Irvchrom\ChromData\IC16\20130103-17001.b\Info 2_TAIIRV167_Hex Chrom_20130104-043550.d		
Lims ID:	480-30197-A-10-D	Client ID:	OC-SB-525-0.0/1.0-XXX
Inject. Date:	04-Jan-2013 04:23:00	Dil. Factor:	10.0000
Sample Type:	Client		
Sample ID:	440-0017001-054		
Misc. Info.:	440-0017001-054		
Operator:	irvinorg	Instrument ID:	IC-16
Injection Vol:	1.0 ul	ALS Bottle#:	0
Lims Batch ID:	76762	Lims Sample ID:	54
Raw Data:	Smoothed		
Detector:	GC Info 2_TAIIRV167_Hex Chrom_20130104-043550		
Method:	\\Irvchrom\ChromData\IC16\20130103-17001.b\218.6_16.m		
Method Label:	HEX CHROME		
Last Update:	04-Jan-2013 06:51:43	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:	XAWRK008		

First Level Reviewer: nikbakhtm Date: 04-Jan-2013 06:49:45

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
1 Cr (VI)	8.138	8.262	-0.124	51695	1.18	

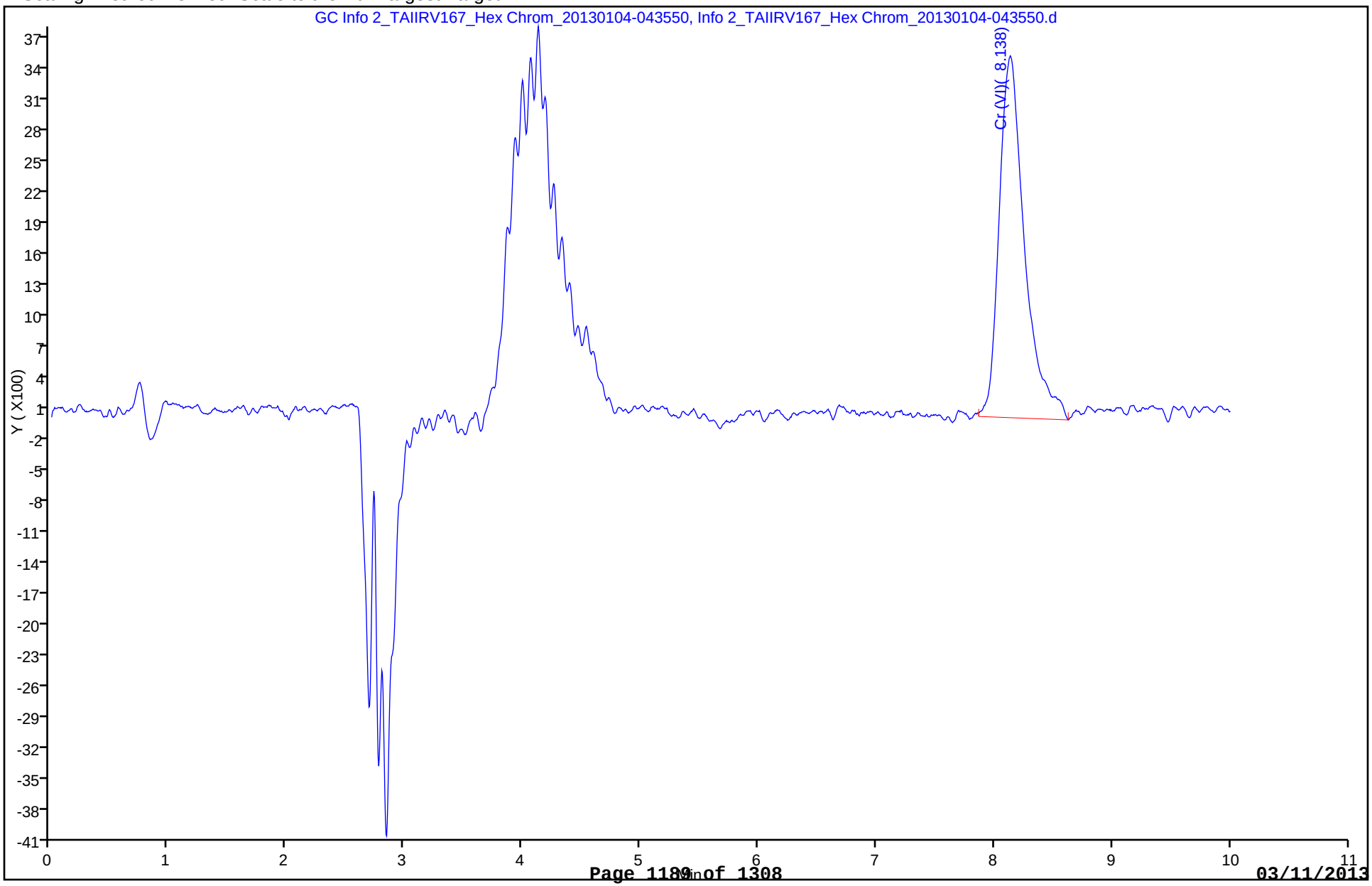
Report Date: 08-Jan-2013 10:24:32 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Irvine

Data File: \\Irvchrom\ChromData\IC16\20130103-17001.b\Info 2_TAIIRV167_Hex Chrom_20130104-043550.d

Injection Date:	04-Jan-2013 04:23:00	Limit Group:	IC-7199
Client ID:	OC-SB-525-0.0/1.0-XXX	Instrument ID:	IC-16
Lims Batch ID:	76762	Lims Sample ID:	54
Operator ID:	irvinorg	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



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HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Irvine
Job No.: 480-30197-1
SDG No.:
Client Sample ID: OC-SB-525-3.0/5.0-XXX
Lab Sample ID: 480-30197-11
Matrix: Solid
Lab File ID: Info 2_TAIIRV167_Hex
Analysis Method: 7199
Date Collected: 12/13/2012 11:20
Extraction Method: 3060A
Date Extracted: 01/03/2013 09:15
Sample wt/vol: 1.2568(g)
Date Analyzed: 01/04/2013 04:35
Con. Extract Vol.: 50(mL)
Dilution Factor: 10
Injection Volume: 1(uL)
GC Column: AS7 ID: 4(mm)
% Moisture: 16.2
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		0.24	0.18

TestAmerica Irvine
Target Compound Quantitation Report

Data File:	\\Irvchrom\ChromData\IC16\20130103-17001.b\Info 2_TAIIRV167_Hex Chrom_20130104-044830.d		
Lims ID:	480-30197-A-11-D	Client ID:	OC-SB-525-3.0/5.0-XXX
Inject. Date:	04-Jan-2013 04:35:00	Dil. Factor:	10.0000
Sample Type:	Client		
Sample ID:	440-0017001-055		
Misc. Info.:	440-0017001-055		
Operator:	irvinorg	Instrument ID:	IC-16
Injection Vol:	1.0 ul	ALS Bottle#:	0
Lims Batch ID:	76762	Lims Sample ID:	55
Raw Data:	Smoothed		
Detector:	GC Info 2_TAIIRV167_Hex Chrom_20130104-044830		
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 06:49:57

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags

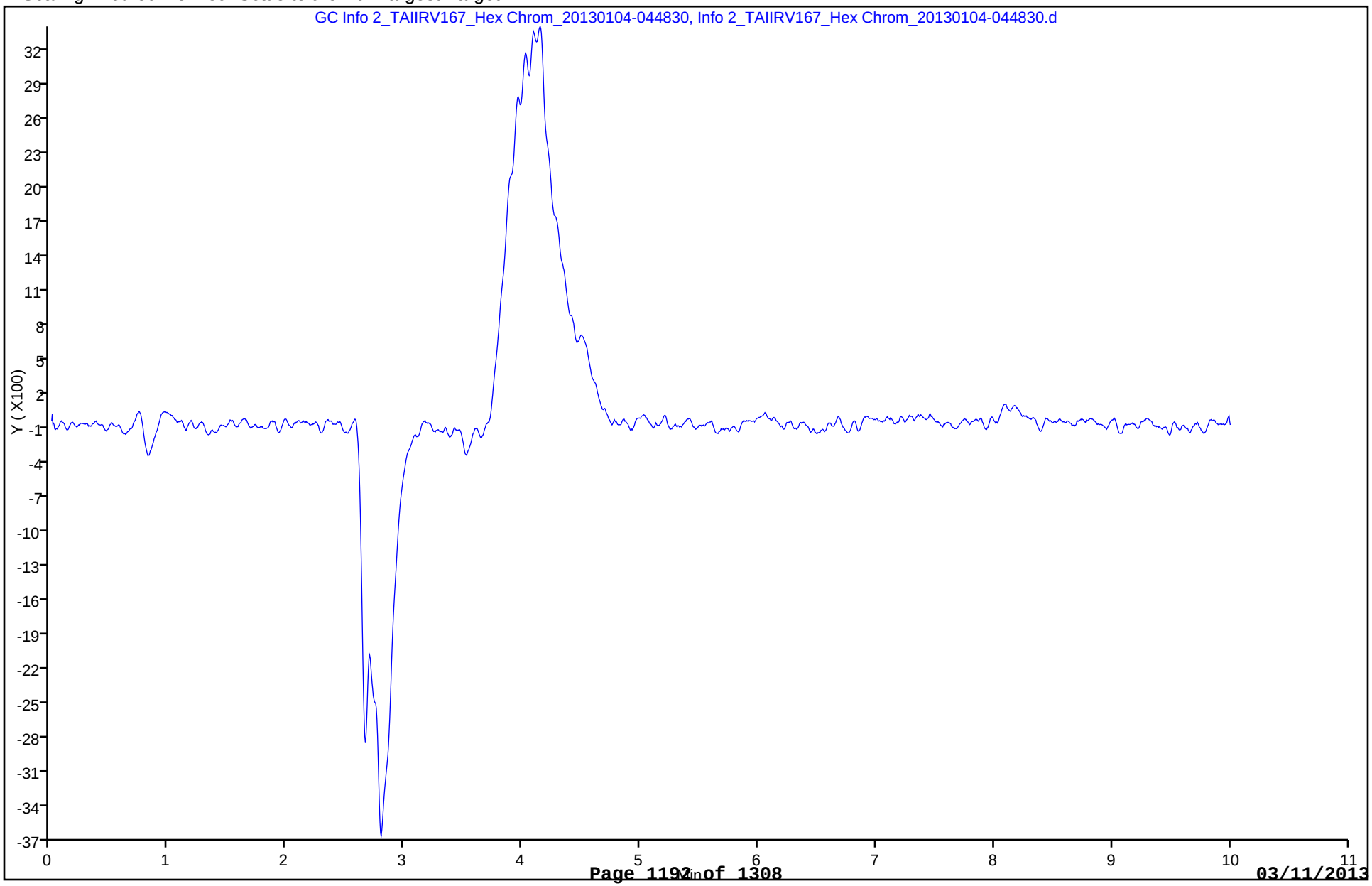
Report Date: 04-Jan-2013 06:49:58 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Irvine

Data File: \\Irvchrom\ChromData\IC16\20130103-17001.b\Info 2_TAIIRV167_Hex Chrom_20130104-044830.d

Injection Date:	04-Jan-2013 04:35:00	Limit Group:	IC-7199
Client ID:	OC-SB-525-3.0/5.0-XXX	Instrument ID:	IC-16
Lims Batch ID:	76762	Lims Sample ID:	55
Operator ID:	irvinorg	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



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HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Irvine
Job No.: 480-30197-1
SDG No.:
Client Sample ID: OC-SB-525-18/20-XXX
Lab Sample ID: 480-30197-12
Matrix: Solid
Lab File ID: Info 2_TAIIRV167_Hex
Analysis Method: 7199
Date Collected: 12/13/2012 11:45
Extraction Method: 3060A
Date Extracted: 01/03/2013 09:15
Sample wt/vol: 1.2532(g)
Date Analyzed: 01/04/2013 04:48
Con. Extract Vol.: 50(mL)
Dilution Factor: 10
Injection Volume: 1(uL)
GC Column: AS7 ID: 4(mm)
% Moisture: 8.1
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)	9.7		0.22	0.16

TestAmerica Irvine
Target Compound Quantitation Report

Data File:	\\Irvchrom\ChromData\IC16\20130103-17001.b\Info 2_TAIIRV167_Hex Chrom_20130104-050109.d		
Lims ID:	480-30197-A-12-F	Client ID:	OC-SB-525-18/20-XXX
Inject. Date:	04-Jan-2013 04:48:00	Dil. Factor:	10.0000
Sample Type:	Client		
Sample ID:	440-0017001-056		
Misc. Info.:	440-0017001-056		
Operator:	irvinorg	Instrument ID:	IC-16
Injection Vol:	1.0 ul	ALS Bottle#:	0
Lims Batch ID:	76762	Lims Sample ID:	56
Raw Data:	Smoothed		
Detector:	GC Info 2_TAIIRV167_Hex Chrom_20130104-050109		
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 06:50:07

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
1 Cr (VI)	8.127	8.262	-0.135	848514	22.3	

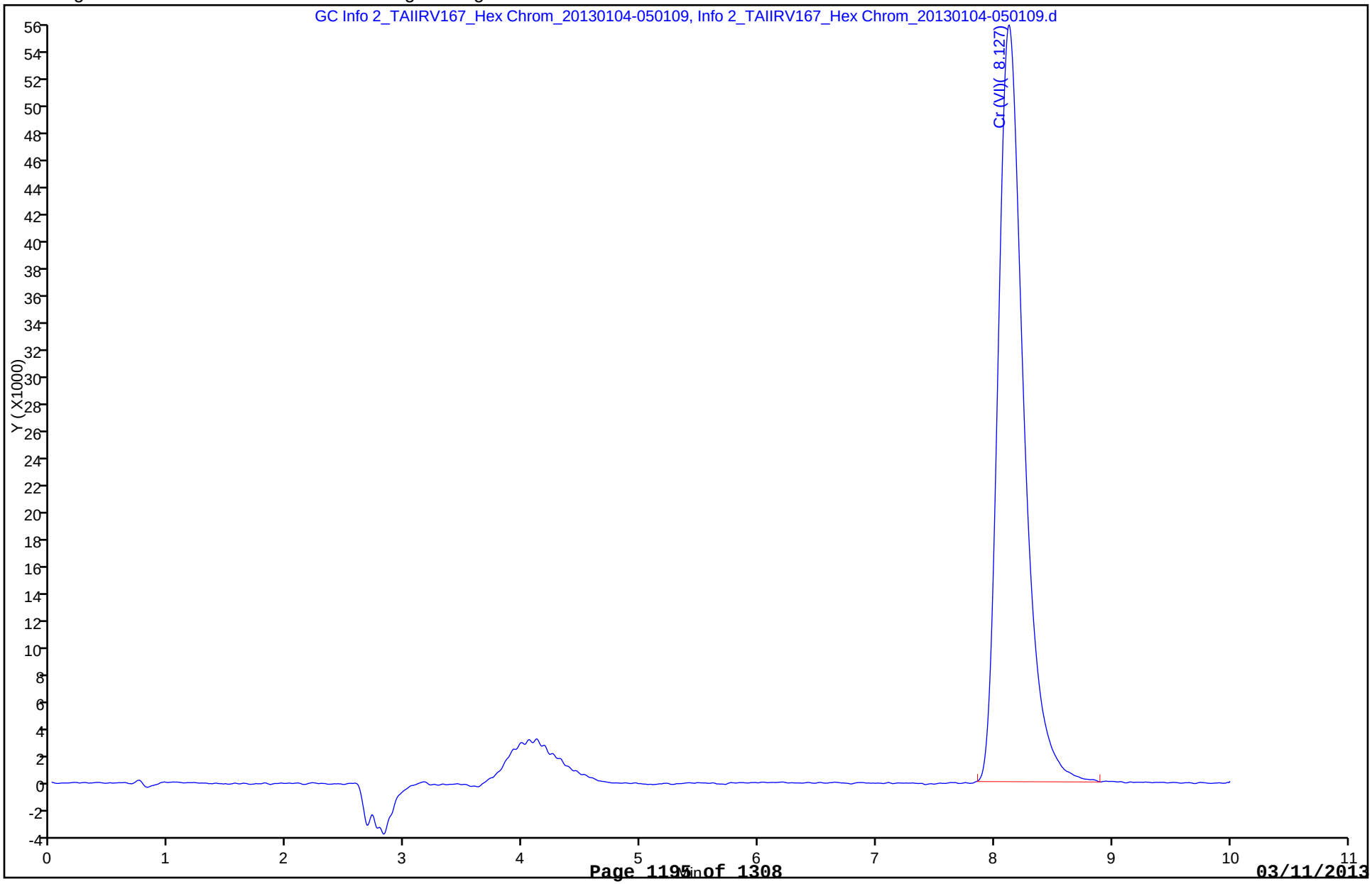
Report Date: 04-Jan-2013 06:50:07 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Irvine

Data File: \\Irvchrom\ChromData\IC16\20130103-17001.b\Info 2_TAIIRV167_Hex Chrom_20130104-050109.d

Injection Date:	04-Jan-2013 04:48:00	Limit Group:	IC-7199
Client ID:	OC-SB-525-18/20-XXX	Instrument ID:	IC-16
Lims Batch ID:	76762	Lims Sample ID:	56
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.: 480-30197-1 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.: 480-30197-1 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.: 480-30197-1 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	

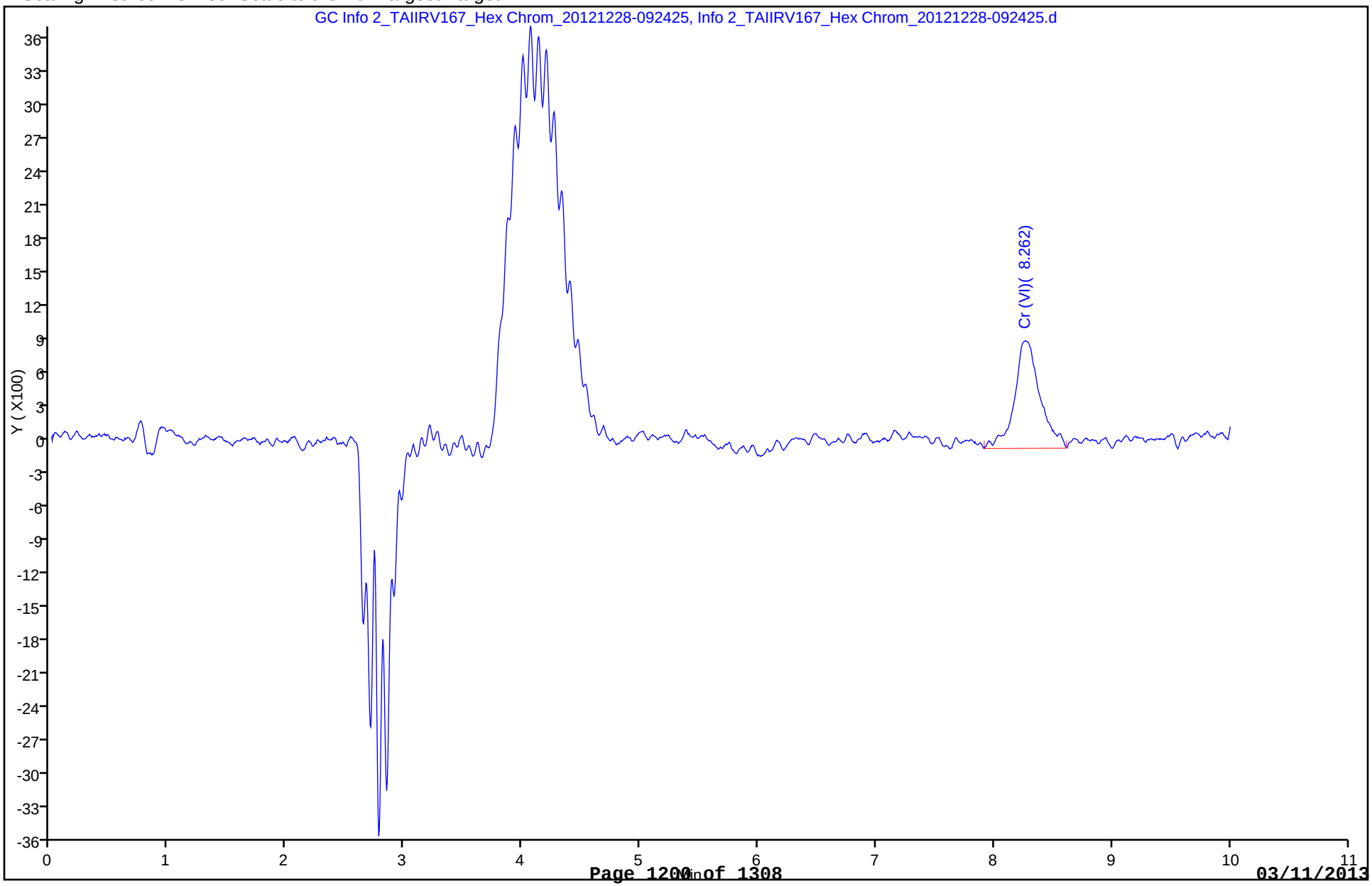
Report Date: 28-Dec-2012 11:08:06 Chrom Revision: 2.0 22-Oct-2012 16:30:48

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	

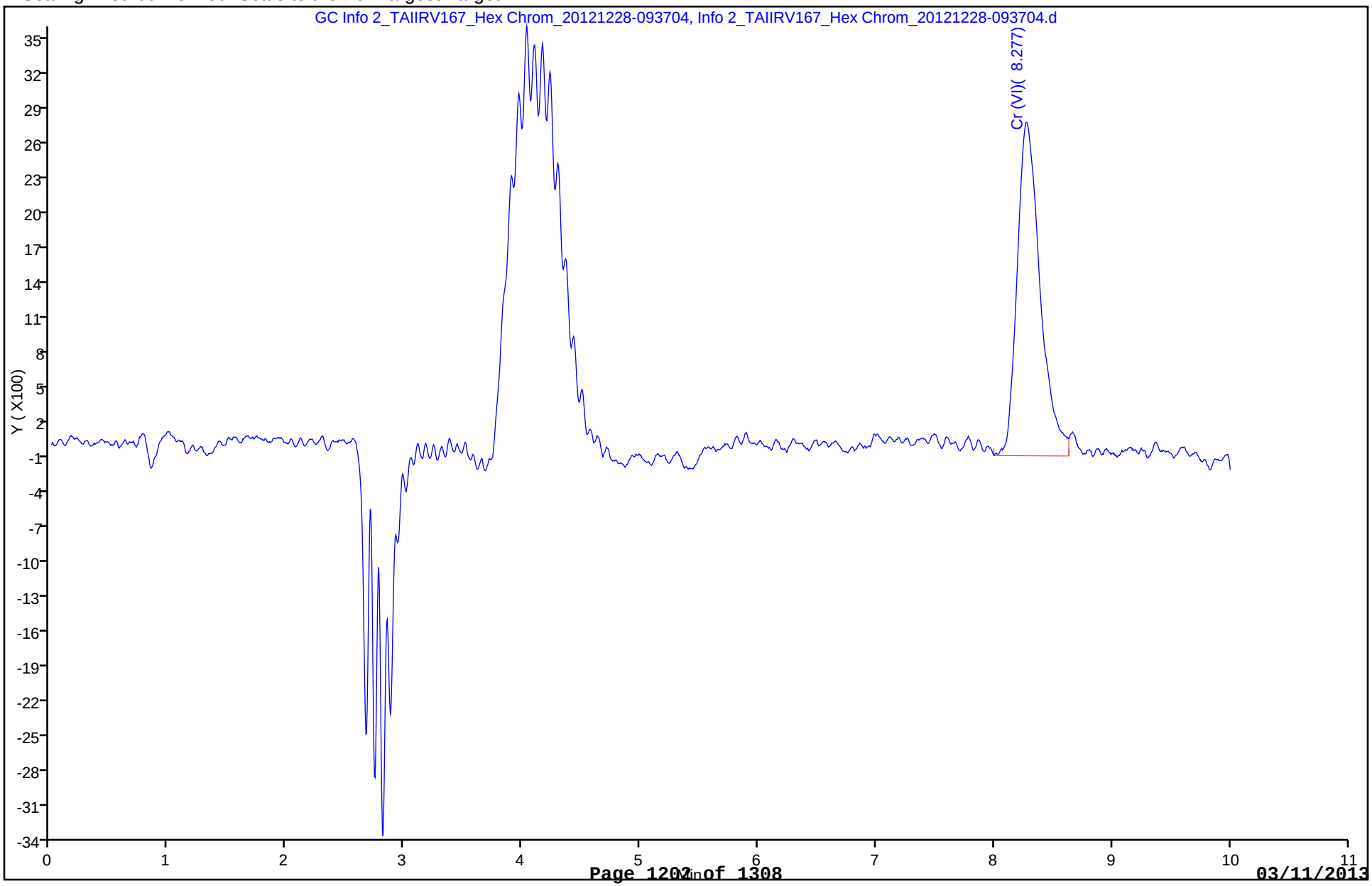
Report Date: 28-Dec-2012 11:08:07 Chrom Revision: 2.0 22-Oct-2012 16:30:48

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	

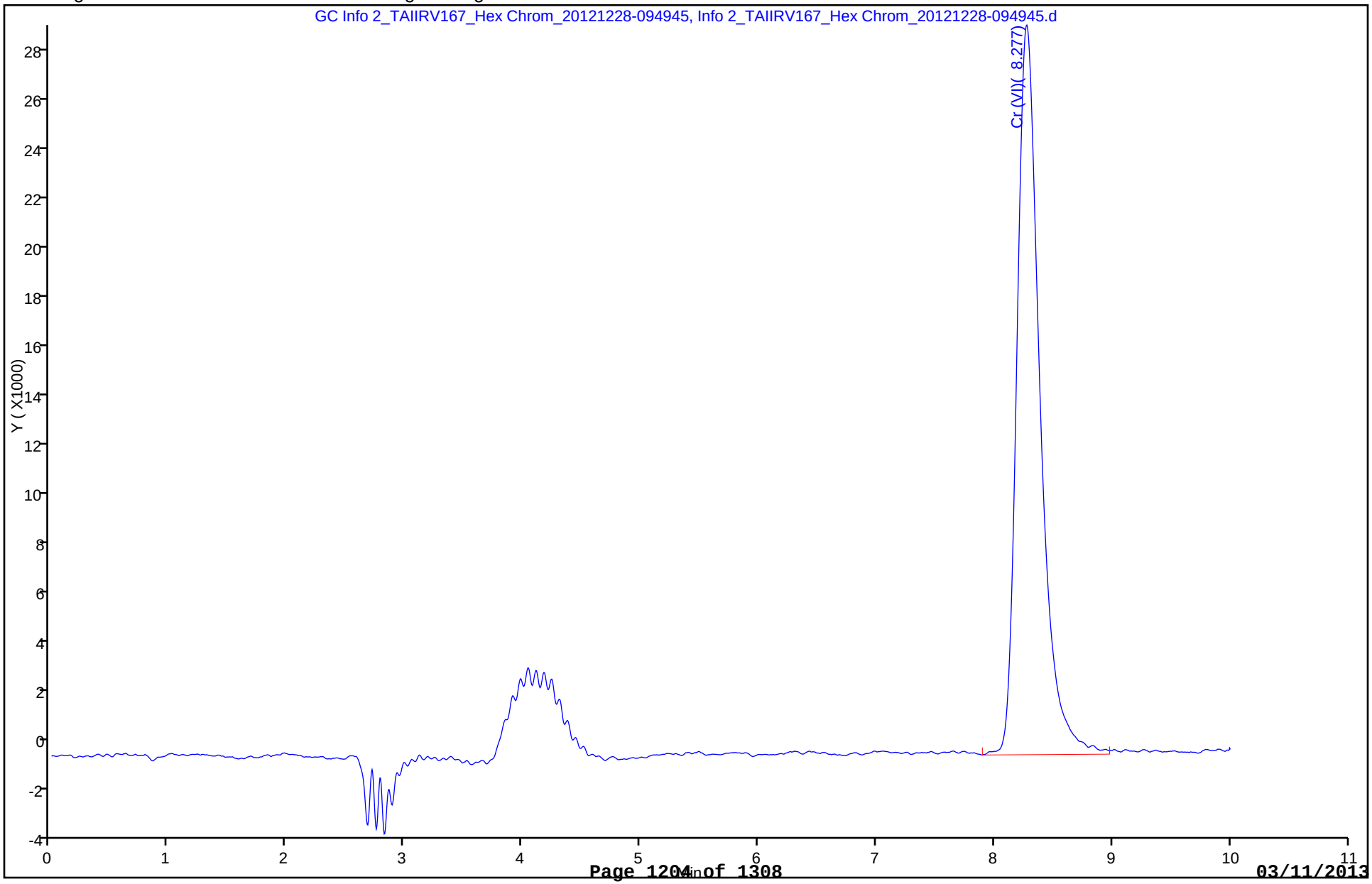
Report Date: 28-Dec-2012 11:08:07 Chrom Revision: 2.0 22-Oct-2012 16:30:48

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	

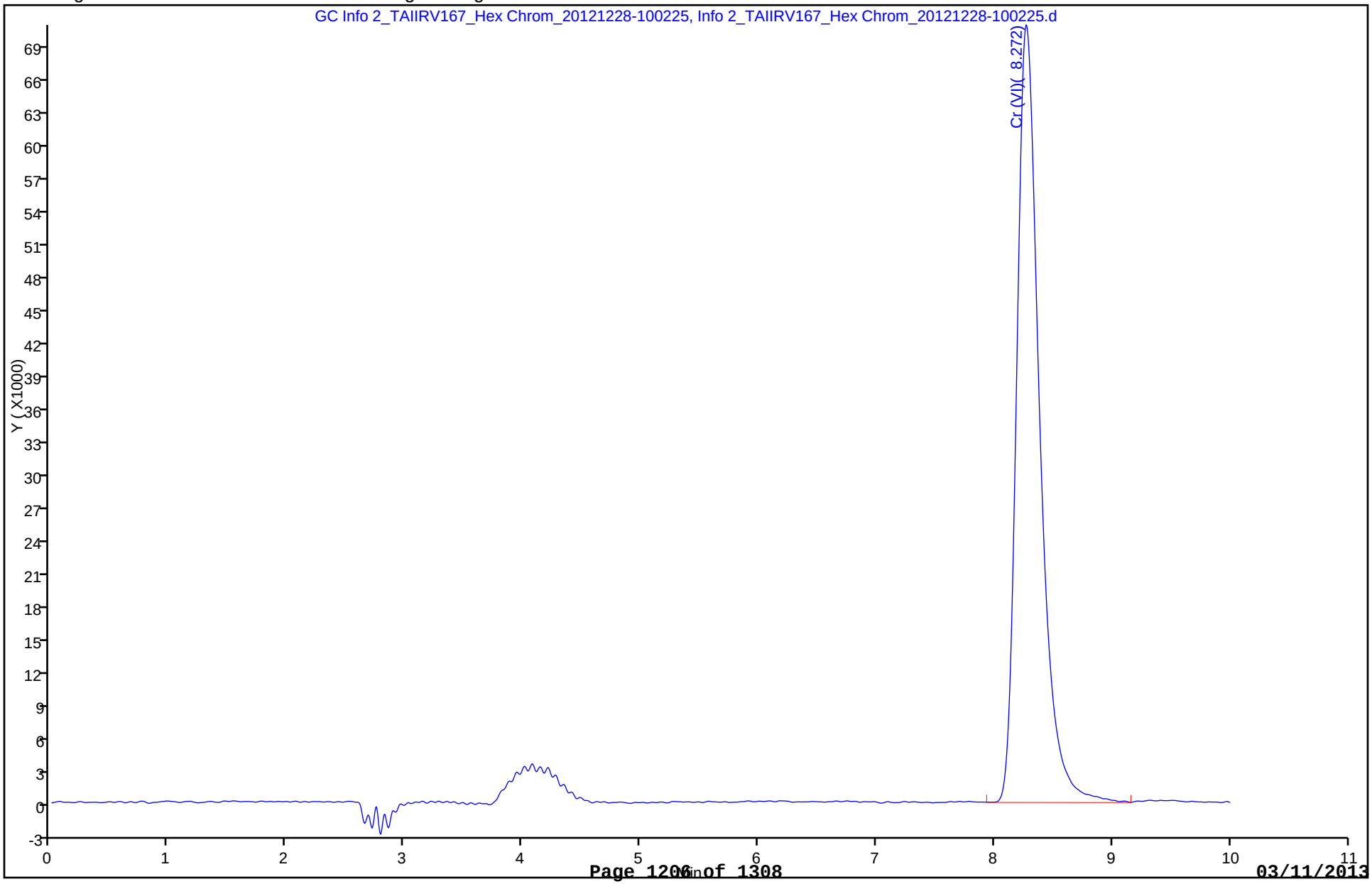
Report Date: 28-Dec-2012 11:08:08 Chrom Revision: 2.0 22-Oct-2012 16:30:48

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	

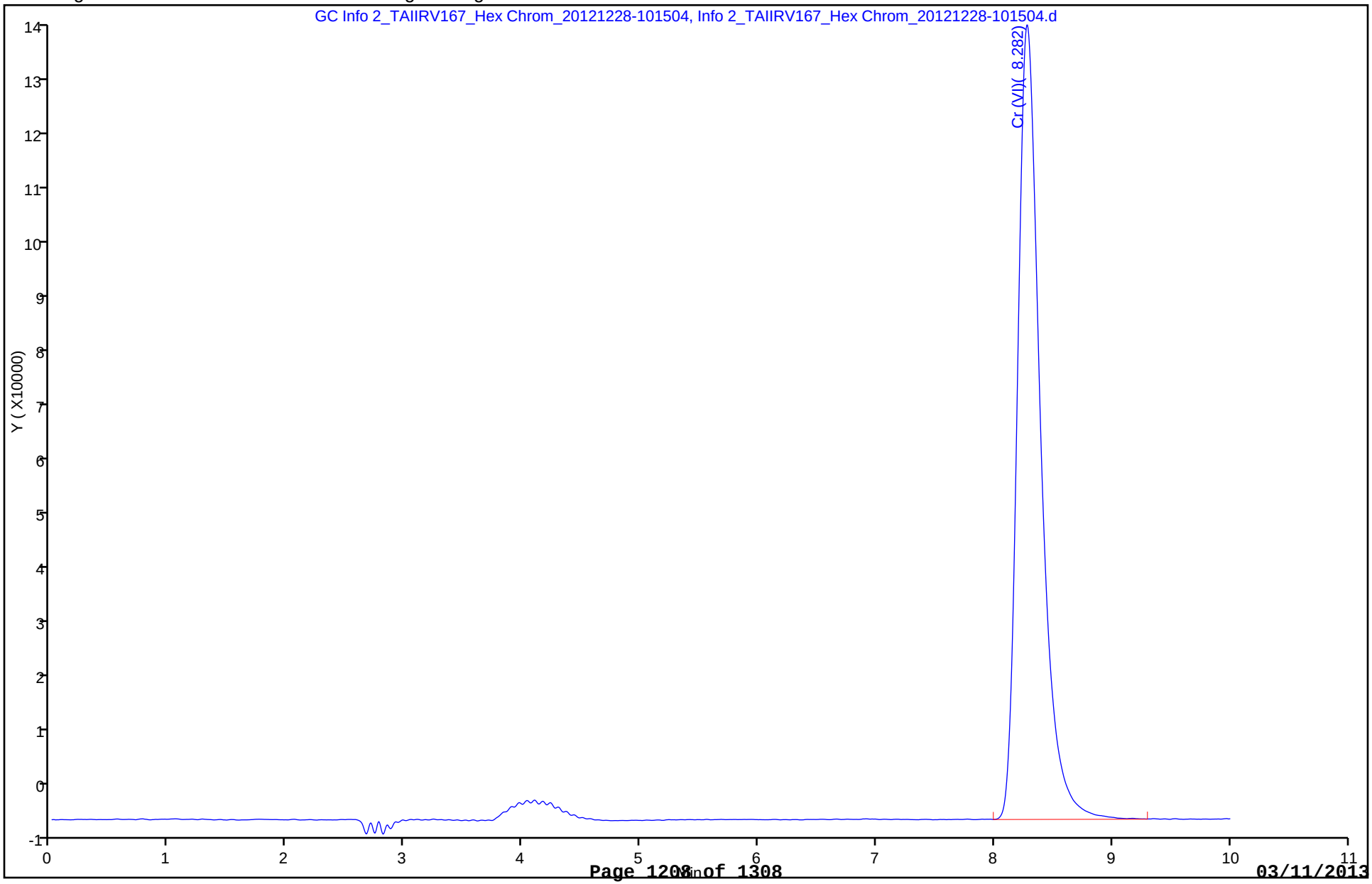
Report Date: 28-Dec-2012 11:08:08 Chrom Revision: 2.0 22-Oct-2012 16:30:48

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	

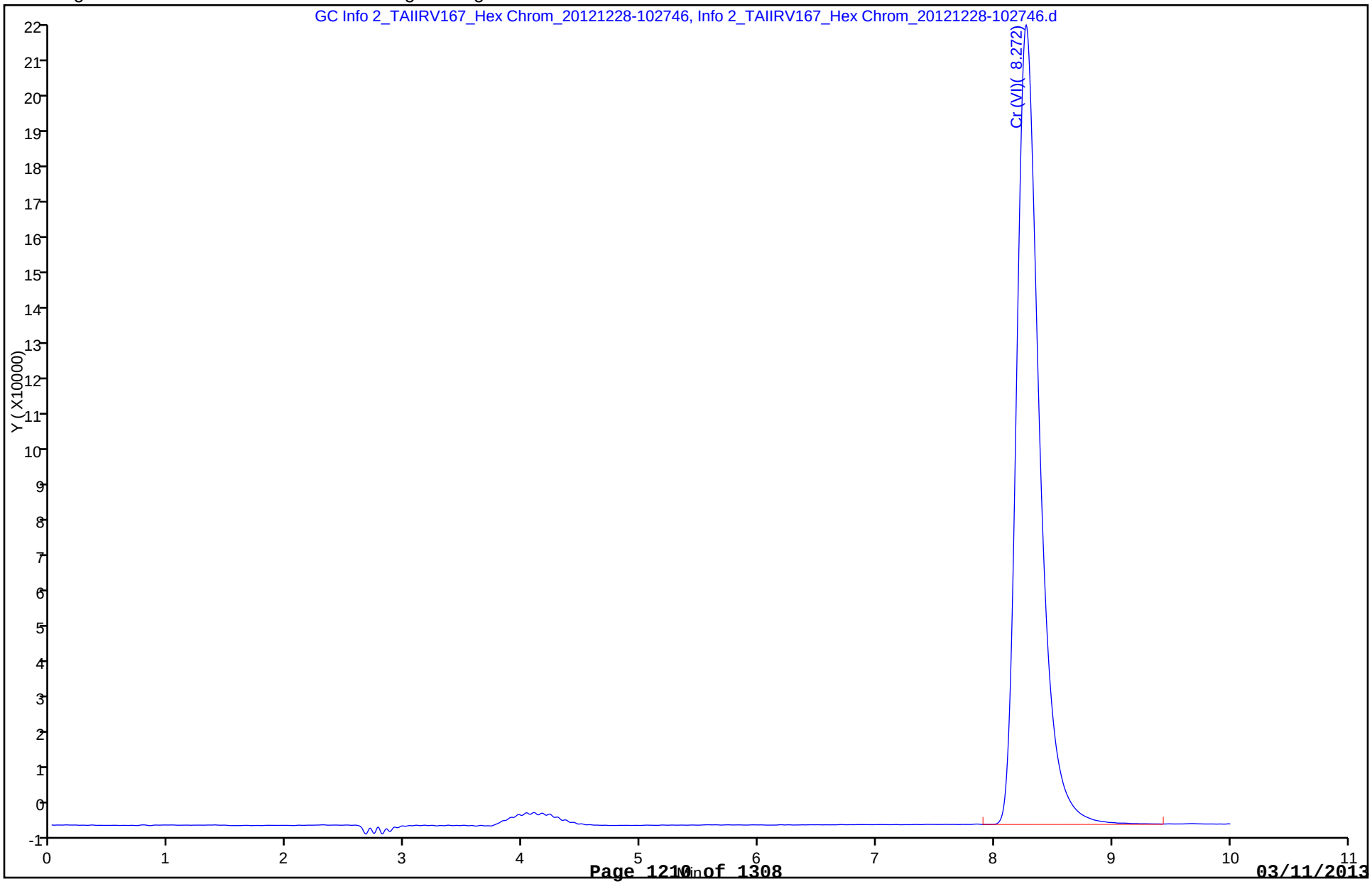
Report Date: 28-Dec-2012 11:08:08 Chrom Revision: 2.0 22-Oct-2012 16:30:48

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	

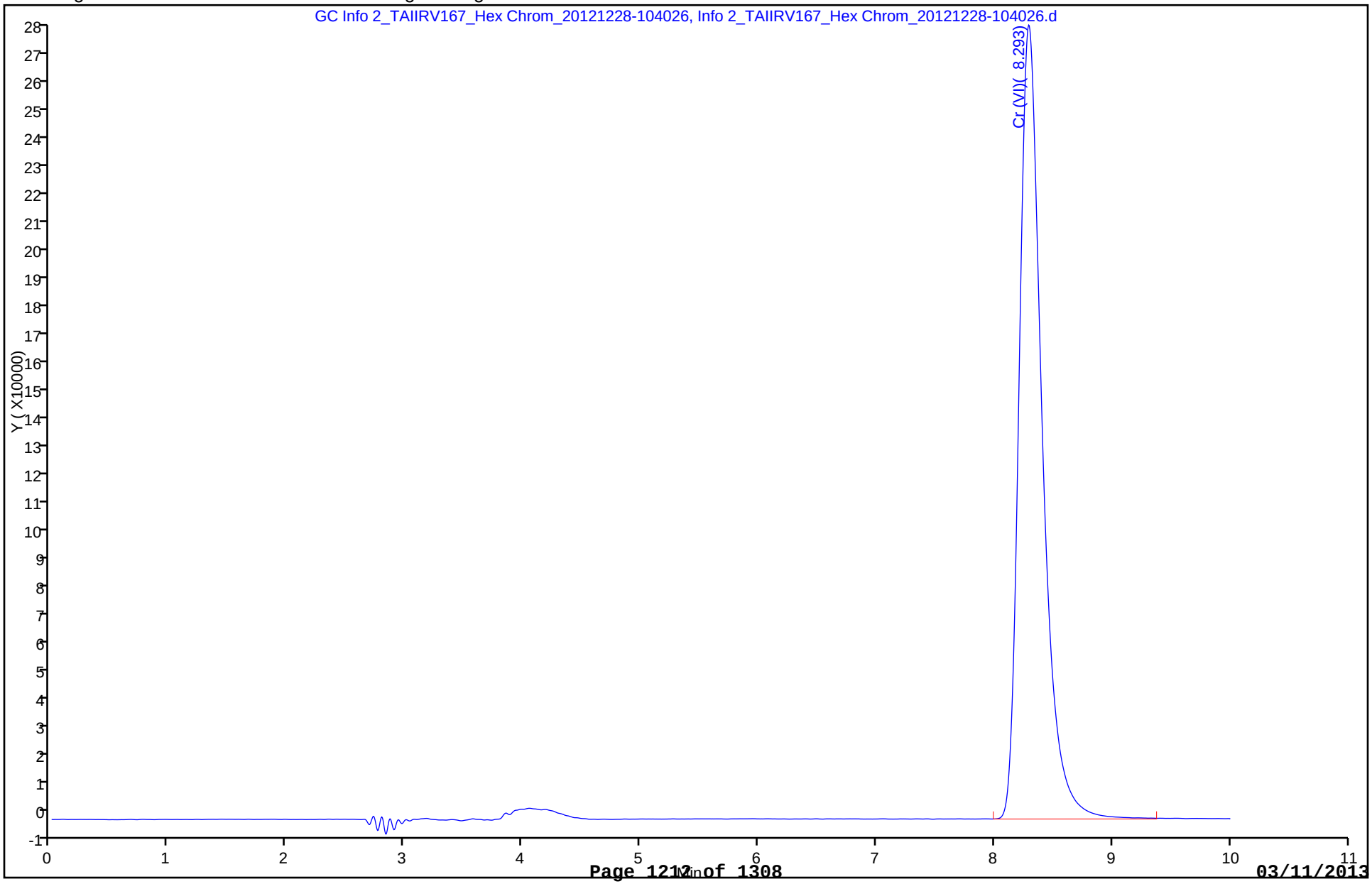
Report Date: 28-Dec-2012 11:08:09 Chrom Revision: 2.0 22-Oct-2012 16:30:48

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.: 480-30197-1

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.: 480-30197-1

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	

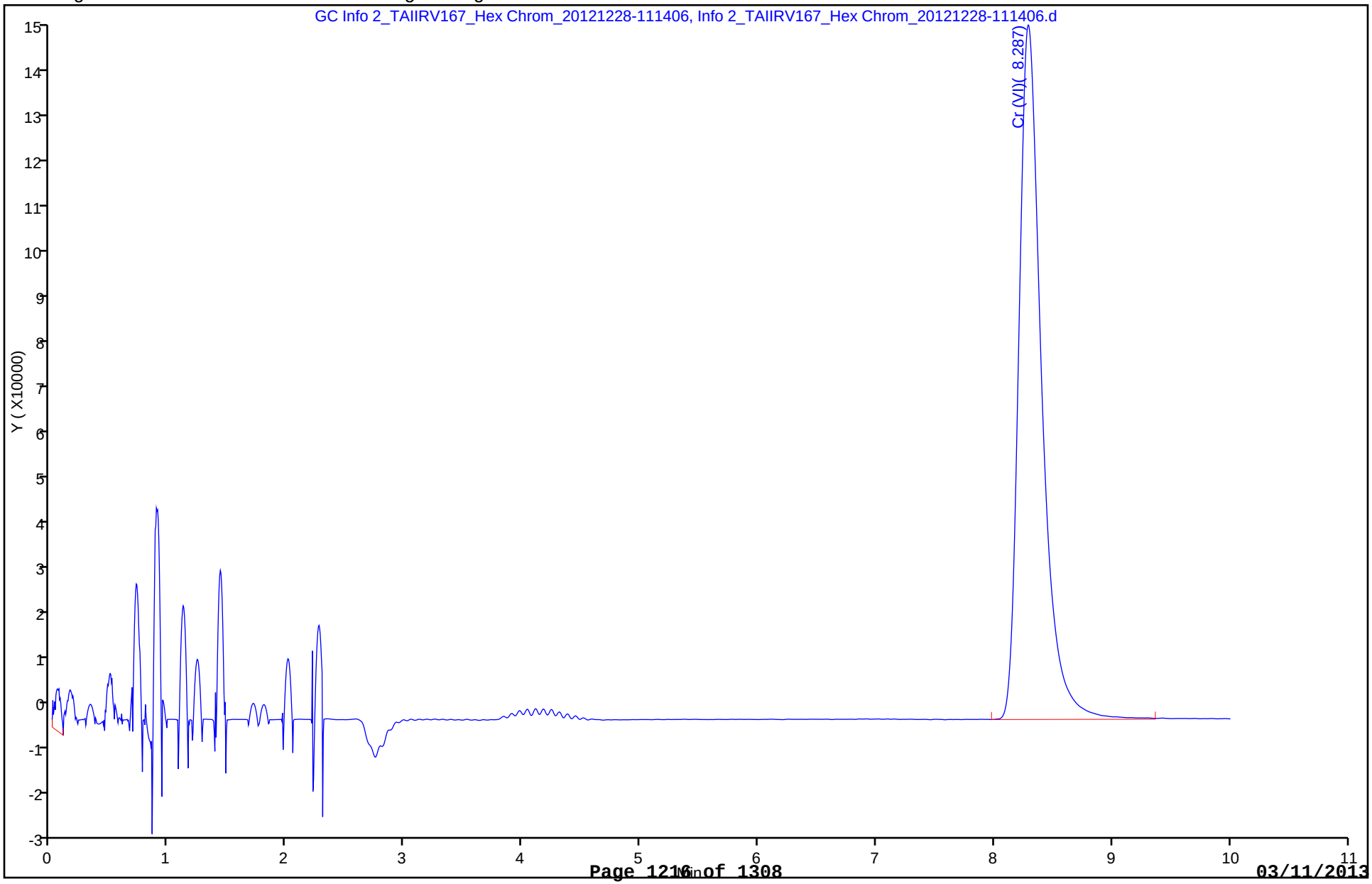
Report Date: 28-Dec-2012 11:24:45 Chrom Revision: 2.0 22-Oct-2012 16:30:48

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.: 480-30197-1

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.: 480-30197-1

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	

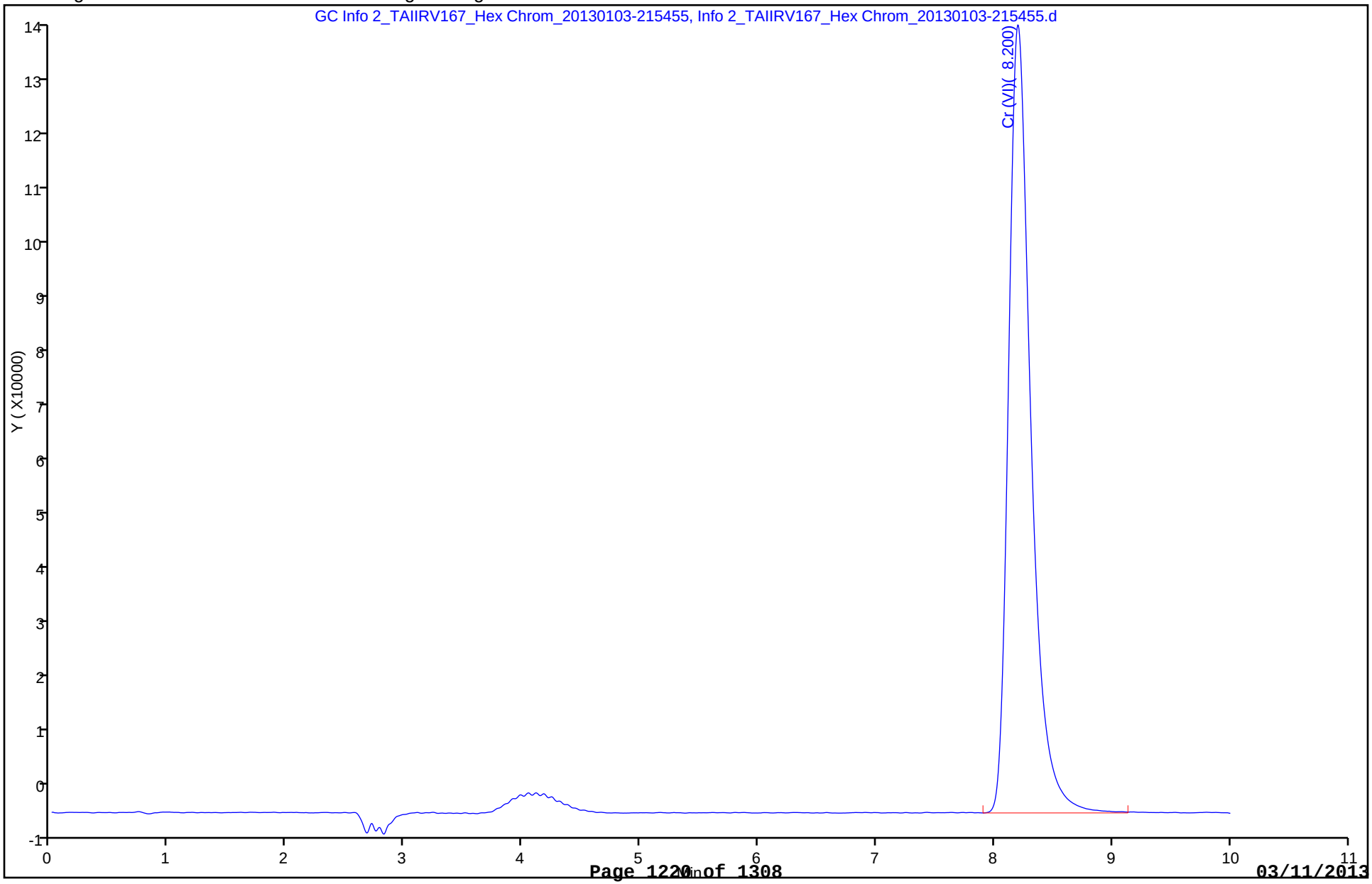
Report Date: 03-Jan-2013 22:51:37 Chrom Revision: 2.0 22-Oct-2012 16:30:48

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.: 480-30197-1

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.: 480-30197-1

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	

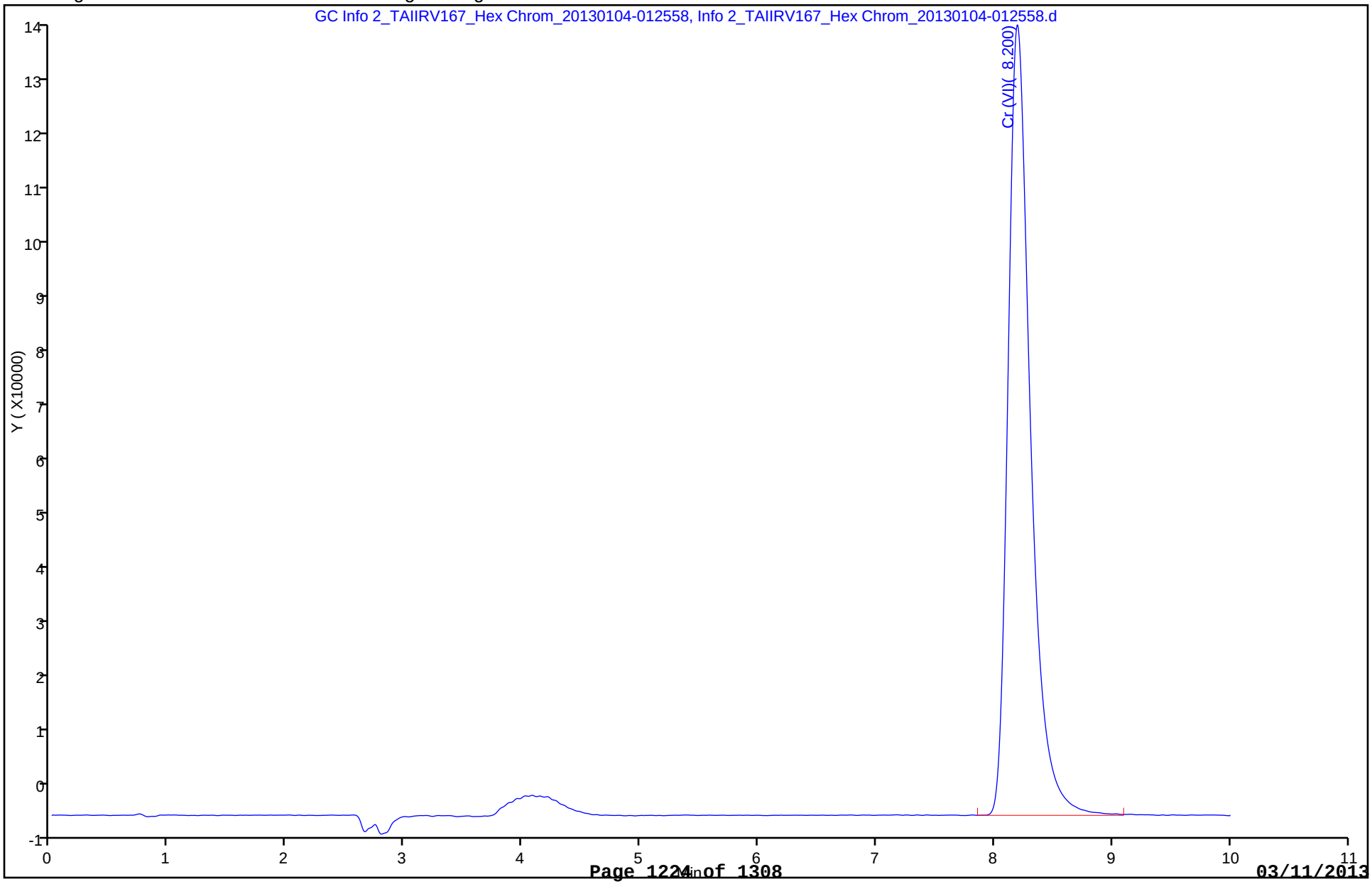
Report Date: 04-Jan-2013 06:27:18 Chrom Revision: 2.0 22-Oct-2012 16:30:48

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.: 480-30197-1

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.: 480-30197-1

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	

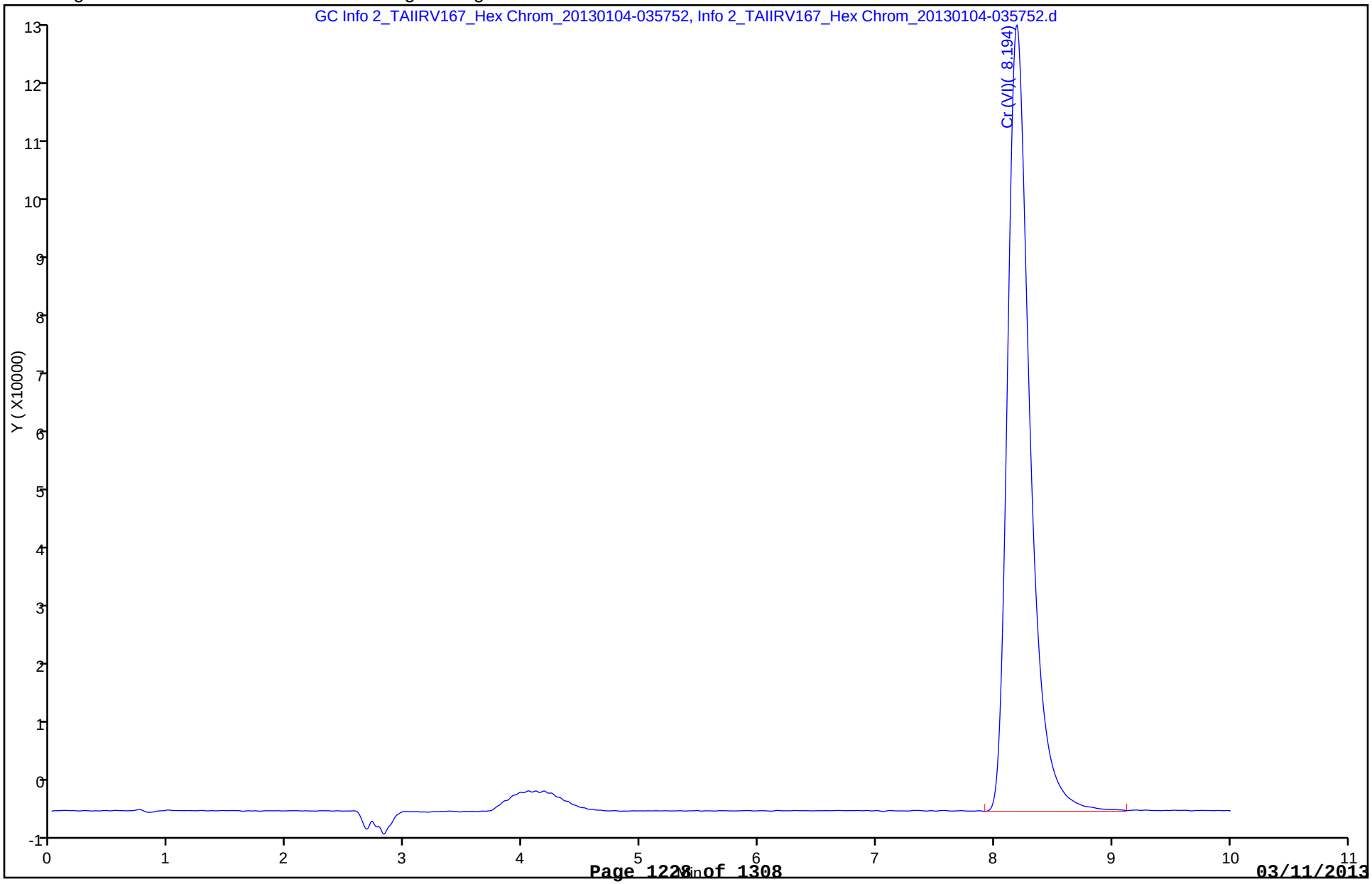
Report Date: 04-Jan-2013 06:29:39 Chrom Revision: 2.0 22-Oct-2012 16:30:48

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.: 480-30197-1

SDG No.:

Lab Sample ID: CCV 440-76762/60 Calibration Date: 01/04/2013 05:39

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				48.1	50.0	96	90-110

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Irvine Job No.: 480-30197-1

SDG No.:

Lab Sample ID: CCV 440-76762/60 Calibration Date: 01/04/2013 05:39

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)	8.21	7.85	8.68

TestAmerica Irvine
Target Compound Quantitation Report

Data File:	\\Irvchrom\ChromData\IC16\20130103-17001.b\Info 2_TAIIRV167_Hex Chrom_20130104-055147.d		
Lims ID:	ccv	Client ID:	
Inject. Date:	04-Jan-2013 05:39:00	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	440-0017001-060		
Misc. Info.:	440-0017001-060		
Operator:	irvinorg	Instrument ID:	IC-16
Injection Vol:	1.0 ul	ALS Bottle#:	0
Lims Batch ID:	76762	Lims Sample ID:	60
Sublist:	chrom-218.6_16*sub1		
Raw Data:	Smoothed		
Detector:	GC Info 2_TAIIRV167_Hex Chrom_20130104-055147		
Method:	\\Irvchrom\ChromData\IC16\20130103-17001.b\218.6_16.m		
Method Label:	HEX CHROME		
Last Update:	04-Jan-2013 06:51:43	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 06:51:43

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
1 Cr (VI)	8.205	8.262	-0.057	1823038	48.1	

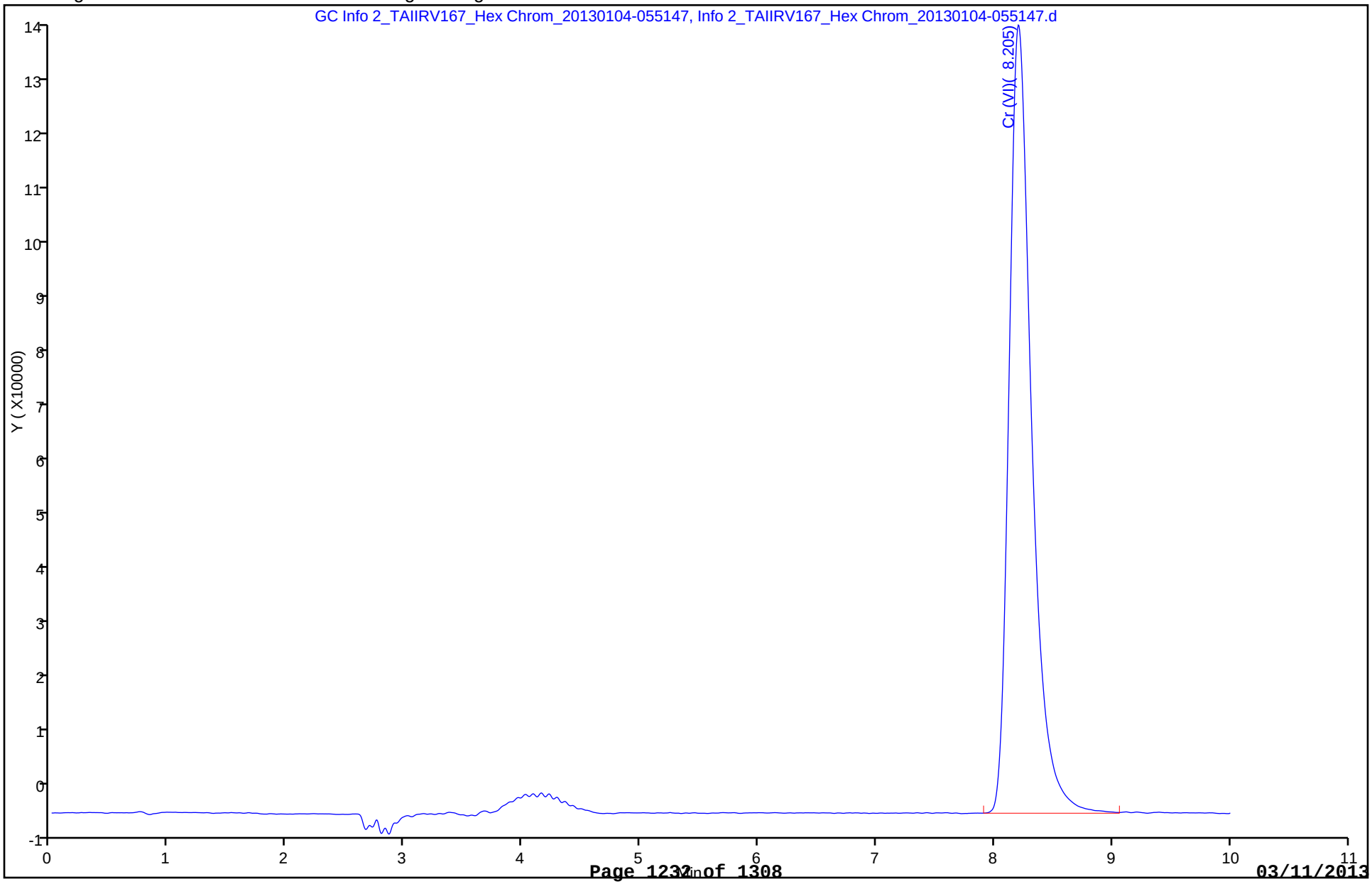
Report Date: 04-Jan-2013 06:51:44 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Irvine

Data File: \\Irvchrom\ChromData\IC16\20130103-17001.b\Info 2_TAIIRV167_Hex Chrom_20130104-055147.d

Injection Date:	04-Jan-2013 05:39:00	Limit Group:	IC-7199
Client ID:		Instrument ID:	IC-16
Lims Batch ID:	76762	Lims Sample ID:	60
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.: 480-30197-1
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

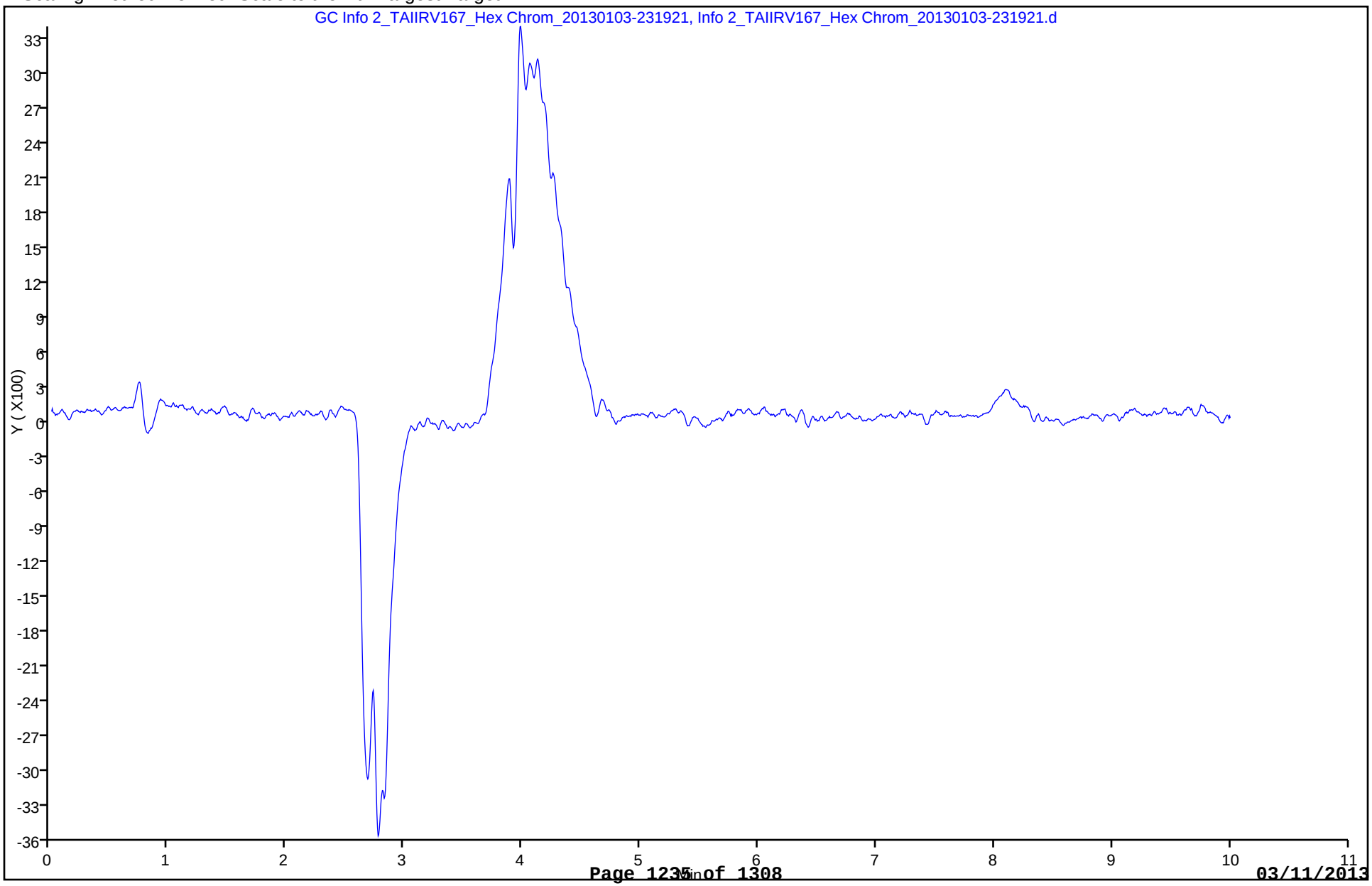
Report Date: 03-Jan-2013 23:53:58 Chrom Revision: 2.0 22-Oct-2012 16:30:48

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.: 480-30197-1
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

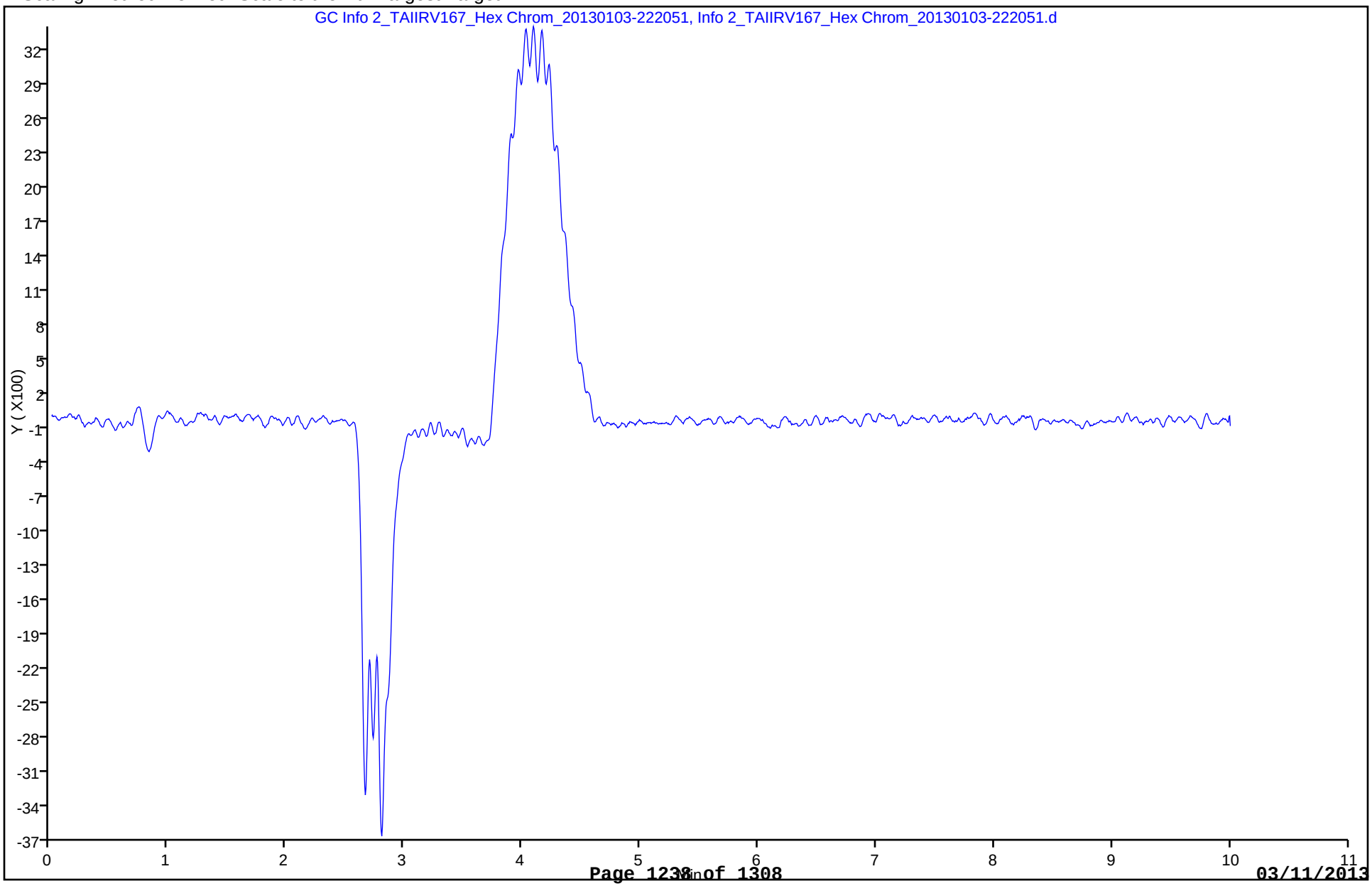
Report Date: 03-Jan-2013 22:51:38 Chrom Revision: 2.0 22-Oct-2012 16:30:48

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.: 480-30197-1
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

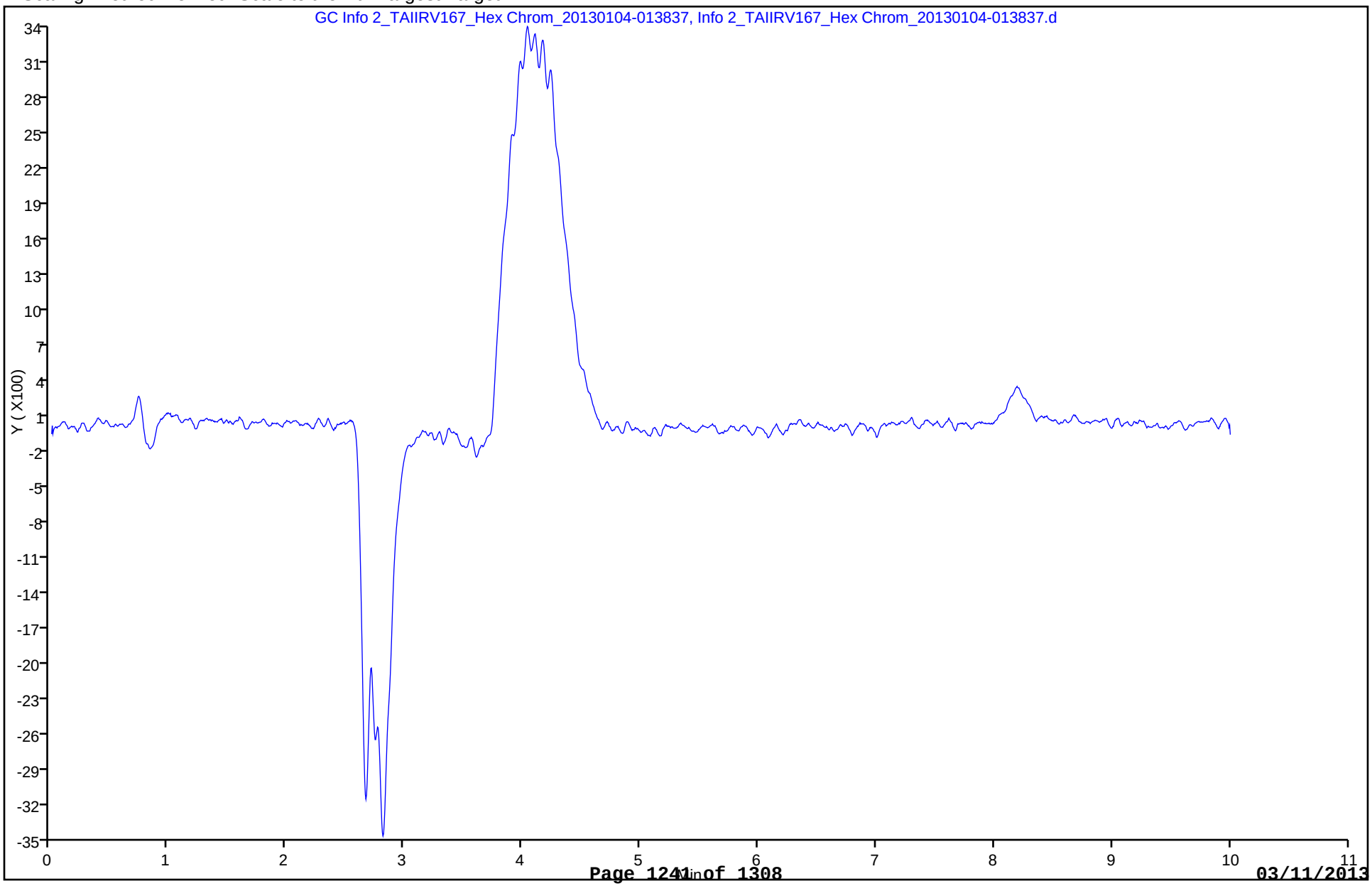
Report Date: 04-Jan-2013 06:27:54 Chrom Revision: 2.0 22-Oct-2012 16:30:48

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.: 480-30197-1
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	

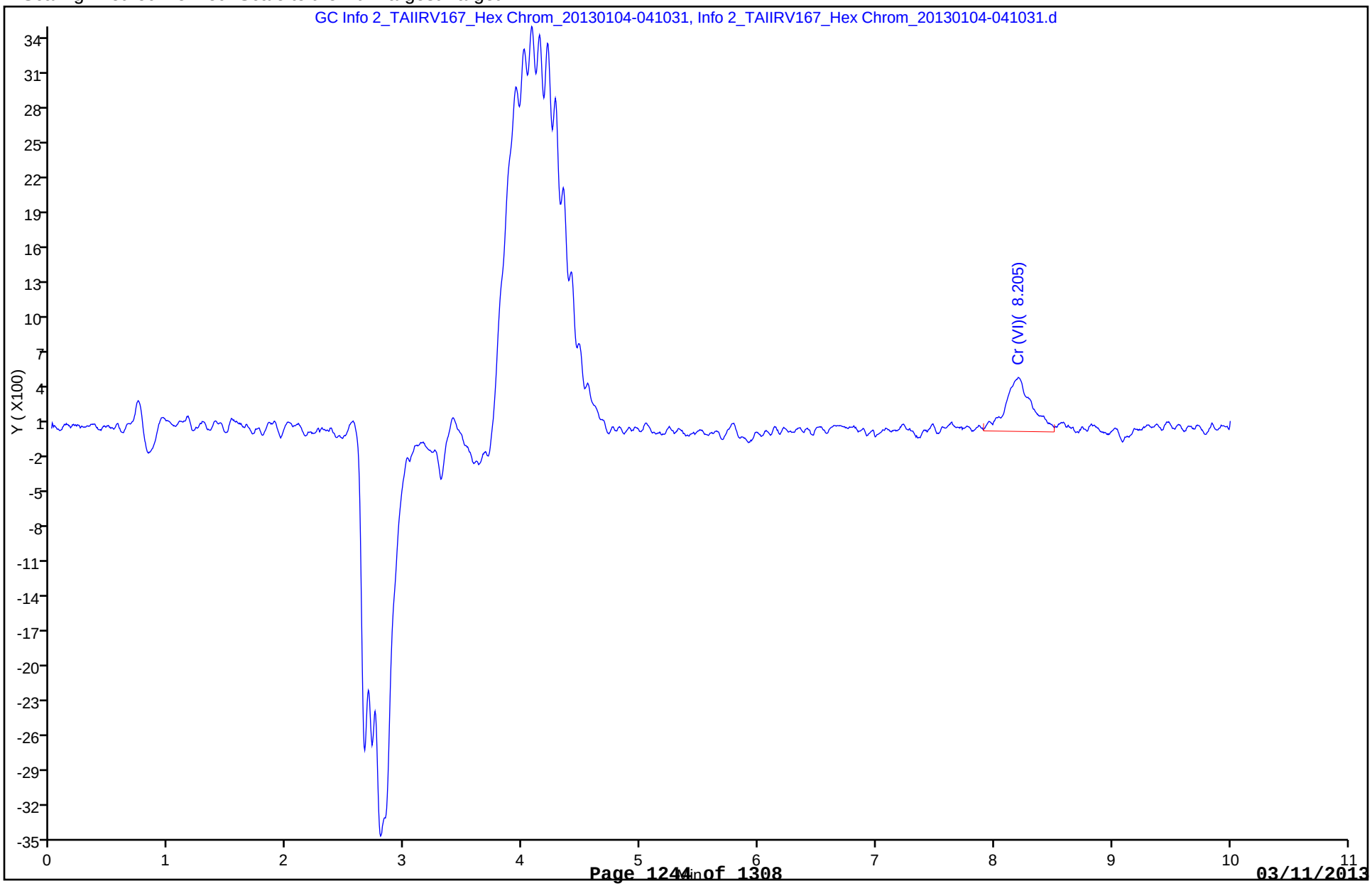
Report Date: 04-Jan-2013 06:29:47 Chrom Revision: 2.0 22-Oct-2012 16:30:48

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.: 480-30197-1
SDG No.:
Client Sample ID:
Lab Sample ID: CCB 440-76762/58
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 05:13
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_20130104-052628.d		
Lims ID:	CCB	Client ID:	
Inject. Date:	04-Jan-2013 05:13:00	Dil. Factor:	1.0000
Sample Type:	CCB		
Sample ID:	440-0017001-058		
Misc. Info.:	440-0017001-058		
Operator:	irvinorg	Instrument ID:	IC-16
Injection Vol:	1.0 ul	ALS Bottle#:	0
Lims Batch ID:	76762	Lims Sample ID:	58
Raw Data:	Smoothed		
Detector:	GC Info 2_TAIIRV167_Hex Chrom_20130104-052628		
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 06:50:26

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
1 Cr (VI)	8.200	8.262	-0.062	12215	0.1328	

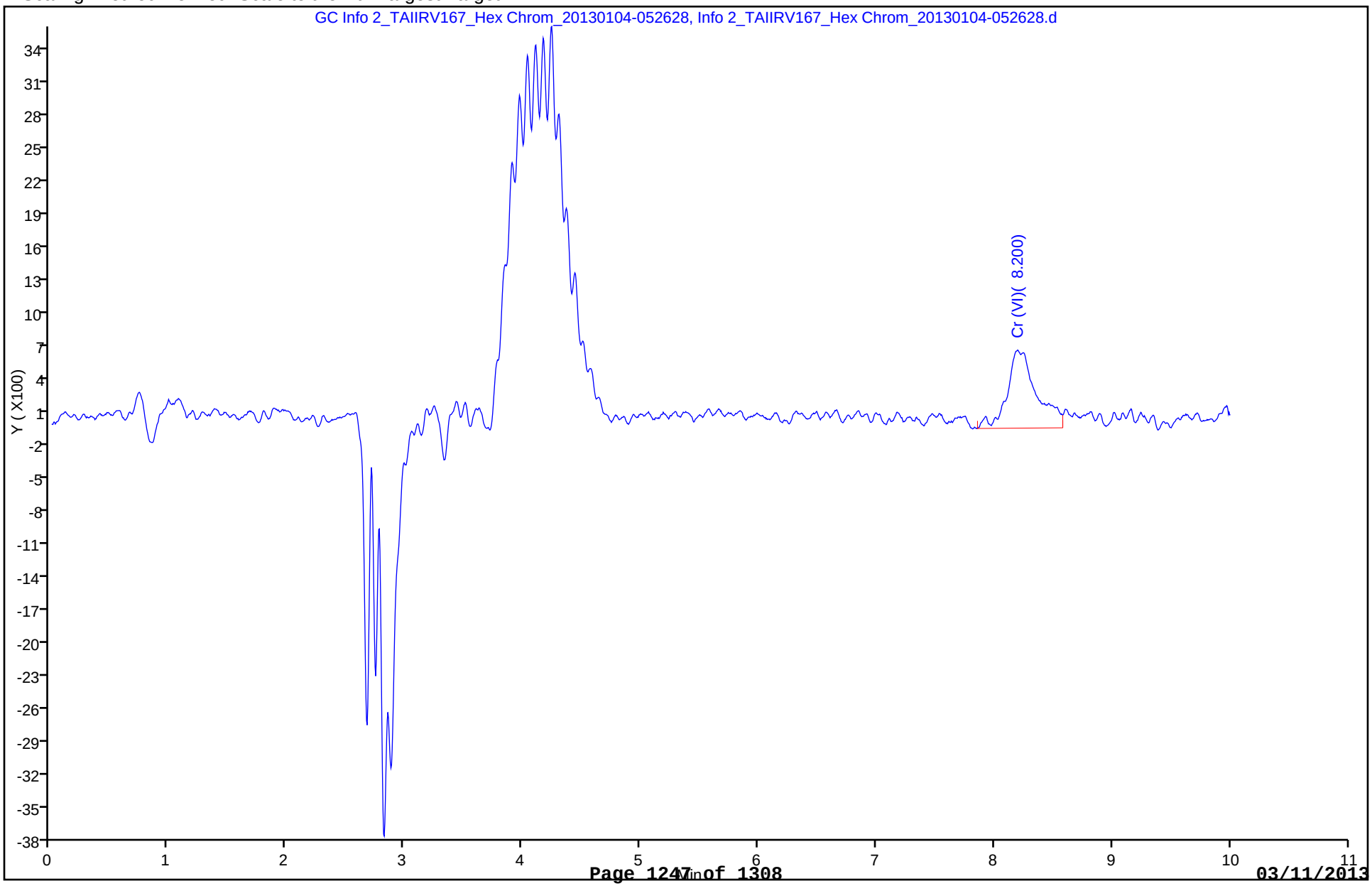
Report Date: 04-Jan-2013 06:50:26 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Irvine

Data File: \\Irvchrom\ChromData\IC16\20130103-17001.b\Info 2_TAIIRV167_Hex Chrom_20130104-052628.d

Injection Date:	04-Jan-2013 05:13:00	Limit Group:	IC-7199
Client ID:		Instrument ID:	IC-16
Lims Batch ID:	76762	Lims Sample ID:	58
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.: 480-30197-1
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	

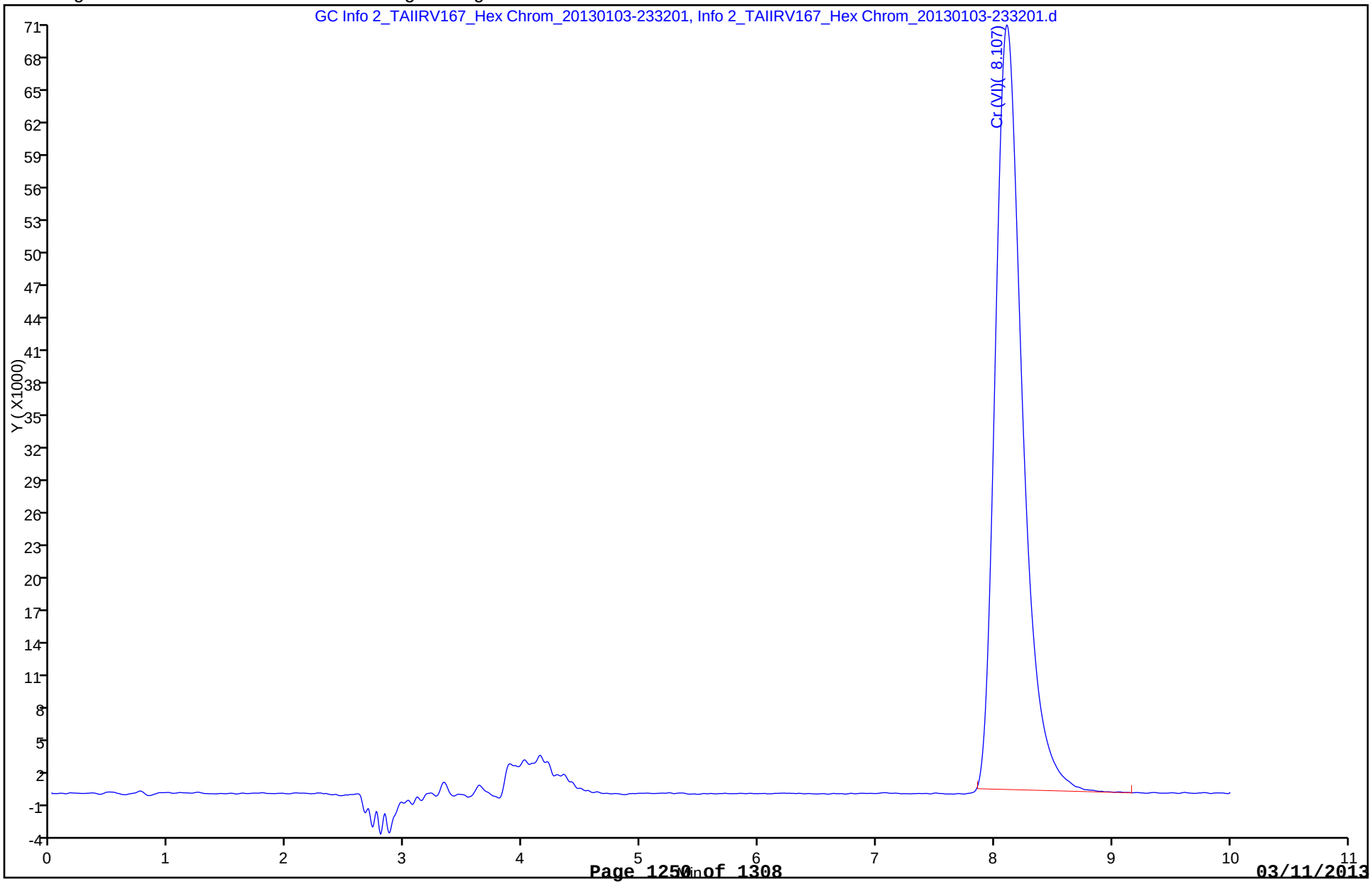
Report Date: 03-Jan-2013 23:53:59 Chrom Revision: 2.0 22-Oct-2012 16:30:48

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



HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica Irvine Job No.: 480-30197-1

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.: 480-30197-1

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)
ZZZZZ		01/03/2013 23:32	1000		AS7 4(mm)
ZZZZZ		01/03/2013 23:44	1000		AS7 4(mm)
ZZZZZ		01/03/2013 23:57	1000		AS7 4(mm)
ZZZZZ		01/04/2013 00:10	1000		AS7 4(mm)
ZZZZZ		01/04/2013 00:22	10		AS7 4(mm)
ZZZZZ		01/04/2013 00:48	1000		AS7 4(mm)
ZZZZZ		01/04/2013 01:00	10		AS7 4(mm)
CCV 440-76762/39		01/04/2013 01:13	1	Info 2_TAIIRV167_HexChrom_20130104-012558.d	AS7 4(mm)

7199

HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica Irvine Job No.: 480-30197-1

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
CCB 440-76762/40		01/04/2013 01:26	1	Info 2_TAIIRV167_Hex Chrom_20130104-013837.d	AS7 4(mm)
ZZZZZ		01/04/2013 01:38	10		AS7 4(mm)
ZZZZZ		01/04/2013 01:51	1000		AS7 4(mm)
ZZZZZ		01/04/2013 02:04	10		AS7 4(mm)
ZZZZZ		01/04/2013 02:16	10		AS7 4(mm)
ZZZZZ		01/04/2013 02:29	10		AS7 4(mm)
480-30197-1	OC-SB-509-1.0/3.0-XXX	01/04/2013 02:41	1000	Info 2_TAIIRV167_Hex Chrom_20130104-025434.d	AS7 4(mm)
480-30197-2	OC-SB-510-0.0/1.0-XXX	01/04/2013 02:54	10	Info 2_TAIIRV167_Hex Chrom_20130104-030714.d	AS7 4(mm)
480-30197-3	OC-SB-510-7.0/9.0-XXX	01/04/2013 03:07	10	Info 2_TAIIRV167_Hex Chrom_20130104-031953.d	AS7 4(mm)
480-30197-7	OC-SB-522-0.0/1.0-XXX	01/04/2013 03:19	10	Info 2_TAIIRV167_Hex Chrom_20130104-033233.d	AS7 4(mm)
480-30197-8	OC-SB-522-8.0/10-XXX	01/04/2013 03:32	10	Info 2_TAIIRV167_Hex Chrom_20130104-034512.d	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)
480-30197-9	OC-SB-522-13/15-XXX	01/04/2013 04:10	10	Info 2_TAIIRV167_Hex Chrom_20130104-042311.d	AS7 4(mm)
480-30197-10	OC-SB-525-0.0/1.0-XXX	01/04/2013 04:23	10	Info 2_TAIIRV167_Hex Chrom_20130104-043550.d	AS7 4(mm)
480-30197-11	OC-SB-525-3.0/5.0-XXX	01/04/2013 04:35	10	Info 2_TAIIRV167_Hex Chrom_20130104-044830.d	AS7 4(mm)
480-30197-12	OC-SB-525-18/20-XXX	01/04/2013 04:48	10	Info 2_TAIIRV167_Hex Chrom_20130104-050109.d	AS7 4(mm)
CCB 440-76762/58		01/04/2013 05:13	1	Info 2_TAIIRV167_Hex Chrom_20130104-052628.d	AS7 4(mm)
CCV 440-76762/60		01/04/2013 05:39	1	Info 2_TAIIRV167_Hex Chrom_20130104-055147.d	AS7 4(mm)

7199

HPLC/IC BATCH WORKSHEET

Lab Name: TestAmerica Irvine Job No.: 480-30197-1

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			
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			
480-30197-A-1	OC-SB-509-1.0/3.0-XXX	3060A, 7199	T	1.2540 g	50 mL				
480-30197-A-2	OC-SB-510-0.0/1.0-XXX	3060A, 7199	T	1.2549 g	50 mL				
480-30197-A-3	OC-SB-510-7.0/9.0-XXX	3060A, 7199	T	1.2561 g	50 mL				
480-30197-A-7	OC-SB-522-0.0/1.0-XXX	3060A, 7199	T	1.2537 g	50 mL				
480-30197-A-8	OC-SB-522-8.0/10-XXX	3060A, 7199	T	1.2556 g	50 mL				
480-30197-A-9	OC-SB-522-13/15-XXX	3060A, 7199	T	1.2546 g	50 mL				
480-30197-A-10	OC-SB-525-0.0/1.0-XXX	3060A, 7199	T	1.2520 g	50 mL				
480-30197-A-11	OC-SB-525-3.0/5.0-XXX	3060A, 7199	T	1.2568 g	50 mL				
480-30197-A-12	OC-SB-525-18/20-XXX	3060A, 7199	T	1.2532 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.: 480-30197-1

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.

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job Number: 480-30197-1

SDG No.:

Project: Olin Chemical Wilmington MA Superfund S

Client Sample ID	Lab Sample ID
OC-SB-509-1.0/3.0-XXX	480-30197-1
OC-SB-510-0.0/1.0-XXX	480-30197-2
OC-SB-510-7.0/9.0-XXX	480-30197-3
OC-SB-520-0.0/1.0-XXX	480-30197-4
OC-SB-520-8.0/10-XXX	480-30197-5
OC-SB-520-18/20-XXX	480-30197-6
OC-SB-522-0.0/1.0-XXX	480-30197-7
OC-SB-522-8.0/10-XXX	480-30197-8
OC-SB-522-13/15-XXX	480-30197-9
OC-SB-525-0.0/1.0-XXX	480-30197-10
OC-SB-525-3.0/5.0-XXX	480-30197-11
OC-SB-525-18/20-XXX	480-30197-12
OC-SB-533-0.0/1.0-XXX	480-30197-13
OC-SB-533-6.0/8.0-XXX	480-30197-14
OC-SB-533-13/15-XXX	480-30197-15
OC-SB-532-0.0/1.0-XXX	480-30197-16
OC-SB-532-6.0/8.0-XXX	480-30197-17
OC-SB-532-11/13-XXX	480-30197-18
OC-SB-534-0.0/1.0-XXX	480-30197-19
OC-SB-534-7.0/9.0-XXX	480-30197-20

Comments:

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Westfield Job Number: 480-30197-1

SDG No.:

Project: Olin Chemical Wilmington MA Superfund S

Client Sample ID	Lab Sample ID
OC-SB-509-1.0/3.0-XXX	480-30197-1
OC-SB-510-0.0/1.0-XXX	480-30197-2
OC-SB-510-7.0/9.0-XXX	480-30197-3
OC-SB-522-0.0/1.0-XXX	480-30197-7
OC-SB-522-8.0/10-XXX	480-30197-8
OC-SB-522-13/15-XXX	480-30197-9
OC-SB-525-0.0/1.0-XXX	480-30197-10
OC-SB-525-3.0/5.0-XXX	480-30197-11
OC-SB-525-18/20-XXX	480-30197-12

Comments:

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: OC-SB-509-1.0/3.0-XXX
Lab Sample ID: 480-30197-1
Lab Name: TestAmerica Westfield
Job No.: 480-30197-1
SDG ID.:
Matrix: Solid
Date Sampled: 12/13/2012 13:35
Reporting Basis: WET
Date Received: 12/14/2012 18:30

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	pH	6.85	1.00		SU			1	9045C
	Oxidation Reduction Potential	18	0.010		millivolts			1	SM 2580B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: OC-SB-510-0.0/1.0-XXX
Lab Sample ID: 480-30197-2
Lab Name: TestAmerica Westfield
Job No.: 480-30197-1
SDG ID.:
Matrix: Solid
Date Sampled: 12/13/2012 12:55
Reporting Basis: WET
Date Received: 12/14/2012 18:30

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	pH	5.36	1.00		SU			1	9045C
	Oxidation Reduction Potential	83	0.010		millivolts			1	SM 2580B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: OC-SB-510-7.0/9.0-XXX
Lab Sample ID: 480-30197-3
Lab Name: TestAmerica Westfield
Job No.: 480-30197-1
SDG ID.:
Matrix: Solid
Date Sampled: 12/13/2012 13:00
Reporting Basis: WET
Date Received: 12/14/2012 18:30

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	pH	6.88	1.00		SU			1	9045C
	Oxidation Reduction Potential	55	0.010		millivolts			1	SM 2580B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: OC-SB-522-0.0/1.0-XXX
Lab Sample ID: 480-30197-7
Lab Name: TestAmerica Westfield
Job No.: 480-30197-1
SDG ID.:
Matrix: Solid
Date Sampled: 12/13/2012 09:20
Reporting Basis: WET
Date Received: 12/14/2012 18:30

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	pH	6.60	1.00		SU			1	9045C
	Oxidation Reduction Potential	31	0.010		millivolts			1	SM 2580B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: OC-SB-522-8.0/10-XXX
Lab Sample ID: 480-30197-8
Lab Name: TestAmerica Westfield
Job No.: 480-30197-1
SDG ID.:
Matrix: Solid
Date Sampled: 12/13/2012 09:40
Reporting Basis: WET
Date Received: 12/14/2012 18:30

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	pH	6.61	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-522-13/15-XXX
Lab Sample ID: 480-30197-9
Lab Name: TestAmerica Westfield
Job No.: 480-30197-1
SDG ID.:
Matrix: Solid
Date Sampled: 12/13/2012 09:50
Reporting Basis: WET
Date Received: 12/14/2012 18:30

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	pH	6.59	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-525-0.0/1.0-XXX
Lab Sample ID: 480-30197-10
Lab Name: TestAmerica Westfield
Job No.: 480-30197-1
SDG ID.:
Matrix: Solid
Date Sampled: 12/13/2012 11:00
Reporting Basis: WET
Date Received: 12/14/2012 18:30

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	pH	6.96	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-525-3.0/5.0-XXX
Lab Sample ID: 480-30197-11
Lab Name: TestAmerica Westfield
Job No.: 480-30197-1
SDG ID.:
Matrix: Solid
Date Sampled: 12/13/2012 11:20
Reporting Basis: WET
Date Received: 12/14/2012 18:30

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	pH	7.07	1.00		SU			1	9045C
	Oxidation Reduction Potential	2.0	0.010		millivolts			1	SM 2580B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: OC-SB-525-18/20-XXX
Lab Sample ID: 480-30197-12
Lab Name: TestAmerica Westfield
Job No.: 480-30197-1
SDG ID.:
Matrix: Solid
Date Sampled: 12/13/2012 11:45
Reporting Basis: WET
Date Received: 12/14/2012 18:30

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	pH	7.21	1.00		SU			1	9045C
	Oxidation Reduction Potential	6.0	0.010		millivolts			1	SM 2580B

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Westfield Job No.: 480-30197-1

SDG No.:

Analyst: RWE Batch Start Date: 12/14/2012

Reporting Units: SU Analytical Batch No.: 97404

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
12	CCV	09:50	pH	5.960	6.00	99	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.: 480-30197-1

SDG No.:

Matrix: Solid

Method	Client Sample ID	Lab Sample ID	Analyte	Result	Unit	RPD	RPD Limit	Qual
Batch ID: 97404 Date: 12/14/2012 09:45								
9045C	OC-SB-525-18/20-XXX	480-30197-12	pH	7.21	SU			
9045C	OC-SB-525-18/20-XXX	480-30197-12 DU	pH	7.200	SU	0.1	10.0	
Batch ID: 97405 Date: 12/14/2012 09:45								
SM 2580B	OC-SB-525-18/20-XXX	480-30197-12	Oxidation Reduction Potential	6.0	millivolts			
SM 2580B	OC-SB-525-18/20-XXX	480-30197-12 DU	Oxidation Reduction Potential	7.00	millivolts	15	20	

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.: 480-30197-1

SDG No.:

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 97404		Date: 12/14/2012 09:01									
						LCS Source:	W12H_PH_6_00001				
9045C	LCS 360-97402/1-A	pH	5.940		SU	6.00	99	90-110			
Batch ID: 97405		Date: 12/14/2012 09:05									
						LCS Source:	W12L_ORP_LCS_00001				
SM 2580B	LCS 360-97403/1-A	Oxidation Reduction Potential	412		millivolts	475	87	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 Buffalo Job Number: 480-30197-1

SDG Number:

Matrix: Solid Instrument ID: NOEQUIP

Method: Moisture RL Date: 08/17/2009 12:10

Analyte	Wavelength/ Mass	RL (%)	
Percent Moisture		0.1	
Percent Solids		0.1	

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job Number: 480-30197-1

SDG Number:

Matrix: Solid Instrument ID: NOEQUIP

Method: Moisture XRL Date: 08/17/2009 12:10

Analyte	Wavelength/ Mass	XRL (%)	
Percent Moisture		0.1	
Percent Solids		0.1	

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY - SOLUBLE

Lab Name: TestAmerica Westfield Job Number: 480-30197-1

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: 480-30197-1

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: 480-30197-1

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: 480-30197-1

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 Buffalo Job No.: 480-30197-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 12/18/2012 18:32 End Date: 12/18/2012 18:32

Lab Sample ID	D/F	Type	Time	Analytes																			
				% Sol	Moist																		
480-30197-1	1	T	18:32	X	X																		
480-30197-2	1	T	18:32	X	X																		
480-30197-3	1	T	18:32	X	X																		
480-30197-4	1	T	18:32	X	X																		
480-30197-5	1	T	18:32	X	X																		
480-30197-6	1	T	18:32	X	X																		
480-30197-7	1	T	18:32	X	X																		
480-30197-8	1	T	18:32	X	X																		
480-30197-9	1	T	18:32	X	X																		
480-30197-10	1	T	18:32	X	X																		
480-30197-11	1	T	18:32	X	X																		
480-30197-12	1	T	18:32	X	X																		
480-30197-13	1	T	18:32	X	X																		
480-30197-14	1	T	18:32	X	X																		
480-30197-15	1	T	18:32	X	X																		
480-30197-16	1	T	18:32	X	X																		
480-30197-17	1	T	18:32	X	X																		
480-30197-18	1	T	18:32	X	X																		
480-30197-19	1	T	18:32	X	X																		
480-30197-20	1	T	18:32	X	X																		
ZZZZZZ			18:32																				
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13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job No.: 480-30197-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 12/18/2012 18:32 End Date: 12/18/2012 18:32

Lab Sample ID	D/F	Type	Time	Analytes																			
				% Sol	Moist																		
ZZZZZZ			18:32																				
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Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Westfield Job No.: 480-30197-1

SDG No.:

Instrument ID: pH meter Method: 9045C

Start Date: 12/14/2012 09:01 End Date: 12/14/2012 09:50

Lab Sample ID	D/F	Type	Time	Analytes																			
				pH																			
LCS 360-97402/1-A	1	S	09:01	X																			
ZZZZZZ			09:01																				
ZZZZZZ			09:01																				
ZZZZZZ			09:01																				
ZZZZZZ			09:01																				
ZZZZZZ			09:01																				
ZZZZZZ			09:01																				
ZZZZZZ			09:01																				
ZZZZZZ			09:01																				
480-30197-1	1	S	09:10	X																			
480-30197-7	1	S	09:13	X																			
480-30197-8	1	S	09:16	X																			
480-30197-9	1	S	09:20	X																			
480-30197-2	1	S	09:23	X																			
480-30197-3	1	S	09:28	X																			
480-30197-10	1	S	09:33	X																			
480-30197-11	1	S	09:36	X																			
480-30197-12	1	S	09:42	X																			
480-30197-12 DU	1	S	09:45	X																			
CCV 360-97404/12	1		09:50	X																			

Prep Types
S = Soluble

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Westfield Job No.: 480-30197-1

SDG No.:

Instrument ID: NOEQUIP Method: SM 2580B

Start Date: 12/14/2012 09:05 End Date: 12/14/2012 09:45

Lab Sample ID	D/F	Type	Time	Analytes																			
				ORP																			
LCS 360-97403/1-A	1	S	09:05	X																			
480-30197-1	1	S	09:10	X																			
480-30197-7	1	S	09:13	X																			
480-30197-8	1	S	09:16	X																			
480-30197-9	1	S	09:20	X																			
480-30197-2	1	S	09:23	X																			
480-30197-3	1	S	09:28	X																			
480-30197-10	1	S	09:33	X																			
480-30197-11	1	S	09:36	X																			
480-30197-12	1	S	09:42	X																			
480-30197-12 DU	1	S	09:45	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 12-14-12 Secondary Reviewer's Initials & Date: GRB 12-17-12

Batch Numbers	97404				

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.

Metals/Inorganics Analysis Sheet

(To Accompany Samples to Instruments)

Batch Number: 360-97402 | Analyst: Emerich, Rich W | Batch Open: 12/13/2012 7:50:00AM

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	Div Rank	Comments	Output Sample Lab ID
1	LCS~360-97402/1 N/A	N/A		20 g	20 mL	N/A	N/A	N/A		LCS 360-97402/1-A
2	480-30197-A-1 (9045C)	N/A	Solid	20 g	20 mL	12/28/12	9_Days - R	4		480-30197-A-1-A
3	480-30197-A-2 (9045C)	N/A	Solid	20 g	20 mL	12/28/12	9_Days - R	4		480-30197-A-2-A
	480-30197-A-3 (9045C)	N/A	Solid	20 g	20 mL	12/28/12	9_Days - R	4		480-30197-A-3-A
	480-30197-A-7 (9045C)	N/A	Solid	20 g	20 mL	12/28/12	9_Days - R	4		480-30197-A-7-A
	480-30197-A-8 (9045C)	N/A	Solid	20 g	20 mL	12/28/12	9_Days - R	4		480-30197-A-8-A
	480-30197-A-9 (9045C)	N/A	Solid	20 g	20 mL	12/28/12	9_Days - R	4		480-30197-A-9-A
8	480-30197-A-10 (9045C)	N/A	Solid	20 g	20 mL	12/28/12	9_Days - R	4		480-30197-A-10-A
9	480-30197-A-11 (9045C)	N/A	Solid	20 g	20 mL	12/28/12	9_Days - R	4		480-30197-A-11-A
10	480-30197-A-12 (9045C)	N/A	Solid	20 g	20 mL	12/28/12	9_Days - R	4		480-30197-A-12-A
11	480-30197-A-12~DU (9045C)	N/A	Solid	20 g	20 mL	12/28/12	9_Days - R	4		480-30197-A-12-B DU

Metals/Inorganics Analysis Sheet

(To Accompany Samples to Instruments)

Batch Number: 360-97402

Analyst: Emerich, Rich W

Batch Open: 12/13/2012 7:50:00AM

Method Code: 360-DI_LEACH-360

Batch End:

Batch Notes

Balance ID

Blank Soil Lot Number

Batch Comment

Comments

Login Comments for Job 30197: MCP

Metals/Inorganics Analysis Sheet

(To Accompany Samples to Instruments)

Batch Number: 360-97402

Analyst: Emerich, Rich W

Batch Open: 12/13/2012 7:50:00AM

Method Code: 360-DI_LEACH-360

Batch End:

Reagent Additions Worksheet

Lab ID	Reagent Code	Amount Added	Final Amount	By	Witness
LCS 360-97402/1	W12H_PH_6_00001	20 mL	20 mL		

Other Reagents:

Reagent	Amount/Units	Lot#:

TestAmerica WESTFIELD

SANITARY CHEMICAL ANALYSIS

Analyst: RLE

Date: 12-14-12

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	
W12 H_PH6 PH6 LCS	0901	20	19.2	5.94						
W12 ORP LCS ORP LCS	0905				412					
480-30197 A1 AMEC 12-13-12 1335	0910		18.9	6.85	18					
A2 1255	0923		18.7	5.36	83					
A3 1300	0928		18.7	6.88	55					
A7 0920	0913		18.8	6.60	31					
A8 0940	0916		18.7	6.61	10					
A9 0950	0920		18.6	6.59	10					
A10 1100	0933		18.7	6.96	14					
A11 1120	0936		19.0	7.07	2					
A12 1145	0942		19.0	7.21	6					
A12 DU 1145 DU	0945		18.9	7.20	7					

pH Meter Calibration: Date & Time Calibrated: 12-14-12 0850 Analyst Initials: RLE Meter Slope = 99.5

Buffer Lot Numbers (Fisher Sci.): pH 4.00 = 120144 pH 7.00 = 114197 pH 10.01 = 114767

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						
12-14 AGAWAM	1048		18.0	5.52						
12-14 BRIDGE	1052		16.7	6.76						
DU	1100		17.5	6.79						
12-13 NUFERN	1104		19.4	7.45						
CCV PH6	1108		21.2	5.98						

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
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: Dave Chapman	Sampler: David Chapman	Lab PM: Becky Mason	Carrier Tracking No(s):	COC No: 21905
Company: AMEC	Phone: 339-927-3793	E-Mail:		Page: 1 of 3
Address: 2 Robbins Road	Due Date Requested: Standard			Job #: 480-30197
City: Westford	TAT Requested (days): Standard			
State, Zip: MA 01886				
Phone: 978-692-9090	Quote #:			
Email: david.chapman@amec.com	PO #:			
Project Name/number: Olin Wilmington/6107120016	WO #:			
Site: Olin Wilmington	SSOW#:			

Analysis Requested

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 ☒ GW1/S1 ☒
RCP ☐ CT RSR ☐
DEP Form ☐ EDD Required ☐
EPA / Superfund ☒

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 7199	SVOCs (BEHP) 8270C	EPH MADEP EPH 98-1	VOCs (TMP) 8260B								Total Number of containers	Special Instructions/Note:
				Preservation Code:																
~~OC-SB-0.0/1.0 xxx~~ OC-SB 509-0.0/1.0 xxx	12/13/12	13:30	C	S	DC ND	N	N	3											3	Contact Becky
~~OC-SB-1.0/3.0 xxx~~ OC-SB-509-1.0/3.0 xxx	12/13/12	13:35	C	S	DC ND	N	N	3							A1				3	Mason with questions
OC-SB-510-0.0/1.0-xxx	12/13/12	12:55	C	S	DC ND	N	N	3							A2				3	
OC-SB-510-7.0/9.0-xxx	12/13/12	13:00	C	S	DC ND	N	N	3							A3				3	
OC-SB-520-0.0/1.0-xxx	12/13/12	08:10	C	S	DC ND	N	N		1		4								5	
OC-SB-520-8.0/10-xxx	12/13/12	08:40	C	S	DC ND	N	N		1		4								5	
OC-SB-520-18/20-xxx	12/13/12	08:50	C	S	DC ND	N	N		1		4								5	
OC-SB-522-0.0/1.0-xxx	12/13/12	09:20	C	S	DC ND	N	N	3	1						A7				4	
OC-SB-522-8.0/10-xxx	12/13/12	09:40	C	S	DC ND	N	N	3	1						A8				4	
OC-SB-522-13/15-xxx	12/13/12	09:50	C	S	DC ND	N	N	3	1						A9				4	

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 ☒ 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
[illegible]	12-13-12 / 15:40	AMEC	[illegible]	12-13-12 1540	
[illegible]	12-13-12 1830	TA	[illegible]	12/13/12 1830	TA

Custody Seals Intact: Δ Yes Δ No
Custody Seal No.:
Cooler Temperature(s) °C and Other Remarks: 1.2 ICE

TAL-8245-360 1111

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: Dave Chapman	Sampler: David Chapman	Lab PM: Becky Mason	Carrier Tracking No(s):
Company: AMEC	Phone: 339-927-3793	E-Mail:	
Address: 2 Robbins Road	Due Date Requested: Standard		
City: Westford	TAT Requested (days): Standard		
State, Zip: MA 01886			
Phone: 978-692-9090	Quote #:		
Email: david.chapman@amec.com	PO #:		
Project Name/number: Olin Wilmington 61071200616	WO #:		
Site: Olin Wilmington	SSOW#:		

COC No: 21906
Page: 2 of 23
Job #: 480-30197

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]

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 5w-846 7199	SVOC (DEHP) 8270C	EPH MADEP EPH 98-1	VOC (TMP) 8260B	IOH	Total Number of containers	Special Instructions/Note:
			Preservation Code:											
OC-5B-525-0.0/1.0-XXX	12/13/12	11:00	C	S	DC VD	N	N	3				A10	3	Contact Becky Mason w/ questions
OC-5B-525-3.0/5.0-XXX	12/13/12	11:20	C	S	DC VD	N	N	3				A11	3	
OC-5B-525-18/20-XXX	12/13/12	11:45	C	S	DC VD	N	N	3				A12	3	
OC-5B-533-0.0/1.0-XXX	12/13/12	14:35	C	S	DC VD	N	N			1			1	
OC-5B-533-6.0/8.0-XXX	12/13/12	14:20	C	S	DC VD	N	N			1			1	
OC-5B-533-13/15-XXX	12/13/12	14:30	C	S	DC VD	N	N			1			1	
OC-5B-532-0.0/1.0-XXX	12/13/12	14:40	C	S	DC VD	N	N			1			1	
OC-5B-532-6.0/8.0-XXX	12/13/12	14:45	C	S	DC VD	N	N			1			1	
OC-5B-533-11/13-XXX	12/13/12	14:50	C	S	DC VD	N	N			1			1	
OC-5B-534-0.0/1.0-XXX	12/13/12	15:05	C	S	DC VD	N	N			1			1	

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	12-13-12 / 15:10	AMEC	[signature]	12/13/12 0500	
[signature]	12/13/12 1830	TA	[signature]	12/13/12 1830	TA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No
Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 1.2 ICE

TAL-8245-360 1111

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: Dave Chapman
Company: AMEC
Address: 2 Robbins Road
City: Westford
State, Zip: MA 01886
Phone: ~~978-727-~~ 978-692-9090
Email: david.chapman@amec.com
Project Name/number: olin wilmington / 6107120016
Site: olin Wilmington

Sampler: David Chapman
Phone: 339-927-3793
Lab PM: Becky Mason
E-Mail:
Carrier Tracking No(s):

COC No: 21907
Page: 3 of 3
Job #:

Due Date Requested: Standard
TAT Requested (days): Standard
Quote #:
PO #:
WO #:
SSOW#:

Analysis Requested

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 ☑ GW1/S1 ☐
RCP ☐ CT RSR ☐
DEP Form ☐ EDD Required ☐
EPA/Superfund ☒

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	SVOC (BEHP) 8270C	EPH MADEP EPH 98-1	VOC (TMB) 8260B	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X	X						
OC-SG-534-7.0/9.0-xxx	12/13/12	1510	C	S	DC AD	N	N			1		1	

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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 ☒ 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	12-13-12 15:40	Amec	[signature]	12-13-12 1540	
[signature]	12-13-12 1830	TA	[signature]	12/13/12 1830	TA

Custody Seals Intact: Δ Yes Δ No
Custody Seal No.:
Cooler Temperature(s) °C and Other Remarks: 1.2 ICE

TAL-8245-360 1111

08/11/2013

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Data Review Coversheet—Inorganics Dept

Method Name: ORP Method Reference: 2580B Date of Analytical Run: 12-14-12

Primary Reviewer's Initials & Date: 12-14-12 Secondary Reviewer's Initials & Date: 12-17-12

Batch Numbers	97405				

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: RLE

Date: 12-14-12

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	
W12H_PH6 PH6 LCS	0901	20	19.2	5.94						
W12LORP LCS ORP LCS	0905				412					
480-30197 A1 AMEC 12-13-12 1335	0910		18.9	6.85	18					
A2 1255	0923		18.7	5.36	83					
A3 1300	0928		18.7	6.88	55					
A7 0920	0913		18.8	6.60	31					
A8 0940	0916		18.7	6.61	10					
A9 0950	0920		18.6	6.59	10					
A10 1100	0933		18.7	6.96	14					
A11 1120	0936		19.0	7.07	2					
A12 1145	0942		19.0	7.21	6					
A12 DUP 1145 DUP	0945		18.9	7.20	7					

pH Meter Calibration: Date & Time Calibrated: 12-14-12 0850 Analyst Initials: RLE Meter Slope = 99.5

Buffer Lot Numbers (Fisher Sci.): pH 4.00 = 120144 pH 7.00 = 114197 pH 10.01 = 114767

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						
12-14 AGAWAM	1048		18.0	5.52						
12-14 BRIDGE	1052		16.7	6.76						
DU	1100		17.5	6.79						
12-13 NUFERN	1104		19.4	7.45						
CCV PH6	1108		21.2	5.98						

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: 360-97403 | Analyst: Emerich, Rich W | Batch Open: 12/14/2012 7:50:00AM

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	Div Rank	Comments	Output Sample Lab ID
1	LCS~360-97403/1 N/A	N/A		20 g	20 mL	N/A	N/A	N/A		LCS 360-97403/1-A
2	480-30197-A-1 (2580B)	N/A	Solid	20 g	20 mL	12/28/12	9_Days - R	4		480-30197-A-1-B
3	480-30197-A-2 (2580B)	N/A	Solid	20 g	20 mL	12/28/12	9_Days - R	4		480-30197-A-2-B
	480-30197-A-3 (2580B)	N/A	Solid	20 g	20 mL	12/28/12	9_Days - R	4		480-30197-A-3-B
	480-30197-A-7 (2580B)	N/A	Solid	20 g	20 mL	12/28/12	9_Days - R	4		480-30197-A-7-B
	480-30197-A-8 (2580B)	N/A	Solid	20 g	20 mL	12/28/12	9_Days - R	4		480-30197-A-8-B
	480-30197-A-9 (2580B)	N/A	Solid	20 g	20 mL	12/28/12	9_Days - R	4		480-30197-A-9-B
8	480-30197-A-10 (2580B)	N/A	Solid	20 g	20 mL	12/28/12	9_Days - R	4		480-30197-A-10-B
9	480-30197-A-11 (2580B)	N/A	Solid	20 g	20 mL	12/28/12	9_Days - R	4		480-30197-A-11-B
10	480-30197-A-12 (2580B)	N/A	Solid	20 g	20 mL	12/28/12	9_Days - R	4		480-30197-A-12-C
11	480-30197-A-12~DU (2580B)	N/A	Solid	20 g	20 mL	12/28/12	9_Days - R	4		480-30197-A-12-D DU

Metals/Inorganics Analysis Sheet

(To Accompany Samples to Instruments)

Batch Number: 360-97403 Analyst: Emerich, Rich W Batch Open: 12/14/2012 7:50:00AM

Method Code: 360-DI_LEACH-360 Batch End:

Batch Notes

Balance ID

Blank Soil Lot Number

Batch Comment

Comments

Login Comments for Job 30197: MCP

Metals/Inorganics Analysis Sheet

(To Accompany Samples to Instruments)

Batch Number: 360-97403 Analyst: Emerich, Rich W Batch Open: 12/14/2012 7:50:00AM

Method Code: 360-DI_LEACH-360 Batch End:

Reagent Additions Worksheet

Lab ID	Reagent Code	Amount Added	Final Amount	By	Witness
LCS 360-97403/1	W12L_ORP_LCS_00001	20 mL	20 mL		

Other Reagents:

Reagent	Amount/Units	Lot#:

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-30197-1

SDG No.:

Batch Number: 96459 Batch Start Date: 12/18/12 18:32 Batch Analyst: Doyle, Matthew

Batch Method: Moisture Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	DISH#	DishWeight	SampleMassWet	SampleMassDry		
480-30197-B-1	OC-SB-509-1.0/3.0-XXX	Moisture	T	1	4.30 g	18.11 g	15.29 g		
480-30197-B-2	OC-SB-510-0.0/1.0-XXX	Moisture	T	2	4.30 g	12.23 g	11.60 g		
480-30197-B-3	OC-SB-510-7.0/9.0-XXX	Moisture	T	3	4.30 g	14.57 g	13.12 g		
480-30197-A-4	OC-SB-520-0.0/1.0-XXX	Moisture	T	4	4.30 g	11.97 g	10.72 g		
480-30197-A-5	OC-SB-520-8.0/10-XXX	Moisture	T	5	4.30 g	15.37 g	14.69 g		
480-30197-A-6	OC-SB-520-18/20-XXX	Moisture	T	6	4.30 g	16.21 g	15.33 g		
480-30197-B-7	OC-SB-522-0.0/1.0-XXX	Moisture	T	7	4.30 g	12.99 g	11.32 g		
480-30197-B-8	OC-SB-522-8.0/10-XXX	Moisture	T	8	4.30 g	15.56 g	13.52 g		
480-30197-B-9	OC-SB-522-13/15-XXX	Moisture	T	9	4.30 g	16.48 g	14.26 g		
480-30197-A-10	OC-SB-525-0.0/1.0-XXX	Moisture	T	10	4.30 g	11.64 g	10.90 g		
480-30197-A-11	OC-SB-525-3.0/5.0-XXX	Moisture	T	11	4.30 g	12.81 g	11.43 g		
480-30197-A-12	OC-SB-525-18/20-XXX	Moisture	T	12	4.30 g	15.85 g	14.92 g		
480-30197-A-13	OC-SB-533-0.0/1.0-XXX	Moisture	T	13	4.30 g	12.80 g	12.32 g		
480-30197-A-14	OC-SB-533-6.0/8.0-XXX	Moisture	T	14	4.30 g	12.69 g	12.30 g		
480-30197-A-15	OC-SB-533-13/15-XXX	Moisture	T	15	4.30 g	15.12 g	13.31 g		
480-30197-A-16	OC-SB-532-0.0/1.0-XXX	Moisture	T	16	4.30 g	12.43 g	11.92 g		
480-30197-A-17	OC-SB-532-6.0/8.0-XXX	Moisture	T	17	4.30 g	12.09 g	10.93 g		
480-30197-A-18	OC-SB-532-11/13-XXX	Moisture	T	18	4.30 g	16.43 g	13.40 g		
480-30197-A-19	OC-SB-534-0.0/1.0-XXX	Moisture	T	19	4.30 g	12.94 g	12.37 g		
480-30197-A-20	OC-SB-534-7.0/9.0-XXX	Moisture	T	20	4.30 g	14.95 g	14.12 g		

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-30197-1

SDG No.:

Batch Number: 96459 Batch Start Date: 12/18/12 18:32 Batch Analyst: Doyle, Matthew

Batch Method: Moisture Batch End Date:

Batch Notes	
Batch Comment	pp-fh-05-12 4.30
Date samples were placed in the oven	12/18/12
Time samples were place in the oven	1832
Date samples were removed from oven	12/19/12
Time Samples were removed from oven	1454

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.: 480-30197-1

SDG No.:

Batch Number: 97402 Batch Start Date: 12/13/12 07:50 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 360-97402/1		DI Leach, 9045C		20 g	20 mL	20 mL			
480-30197-A-1	OC-SB-509-1.0/3.0-XXX	DI Leach, 9045C	S	20 g	20 mL				
480-30197-A-2	OC-SB-510-0.0/1.0-XXX	DI Leach, 9045C	S	20 g	20 mL				
480-30197-A-3	OC-SB-510-7.0/9.0-XXX	DI Leach, 9045C	S	20 g	20 mL				
480-30197-A-7	OC-SB-522-0.0/1.0-XXX	DI Leach, 9045C	S	20 g	20 mL				
480-30197-A-8	OC-SB-522-8.0/10-XXX	DI Leach, 9045C	S	20 g	20 mL				
480-30197-A-9	OC-SB-522-13/15-XXX	DI Leach, 9045C	S	20 g	20 mL				
480-30197-A-10	OC-SB-525-0.0/1.0-XXX	DI Leach, 9045C	S	20 g	20 mL				
480-30197-A-11	OC-SB-525-3.0/5.0-XXX	DI Leach, 9045C	S	20 g	20 mL				
480-30197-A-12	OC-SB-525-18/20-XXX	DI Leach, 9045C	S	20 g	20 mL				
480-30197-A-12 DU	OC-SB-525-18/20-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.: 480-30197-1

SDG No.:

Batch Number: 97404 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 360-97404/12		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.: 480-30197-1

SDG No.:

Batch Number: 97403 Batch Start Date: 12/14/12 07:50 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 360-97403/1		DI Leach, SM 2580B		20 g	20 mL	20 mL			
480-30197-A-1	OC-SB-509-1.0/3.0-XXX	DI Leach, SM 2580B	S	20 g	20 mL				
480-30197-A-2	OC-SB-510-0.0/1.0-XXX	DI Leach, SM 2580B	S	20 g	20 mL				
480-30197-A-3	OC-SB-510-7.0/9.0-XXX	DI Leach, SM 2580B	S	20 g	20 mL				
480-30197-A-7	OC-SB-522-0.0/1.0-XXX	DI Leach, SM 2580B	S	20 g	20 mL				
480-30197-A-8	OC-SB-522-8.0/10-XXX	DI Leach, SM 2580B	S	20 g	20 mL				
480-30197-A-9	OC-SB-522-13/15-XXX	DI Leach, SM 2580B	S	20 g	20 mL				
480-30197-A-10	OC-SB-525-0.0/1.0-XXX	DI Leach, SM 2580B	S	20 g	20 mL				
480-30197-A-11	OC-SB-525-3.0/5.0-XXX	DI Leach, SM 2580B	S	20 g	20 mL				
480-30197-A-12	OC-SB-525-18/20-XXX	DI Leach, SM 2580B	S	20 g	20 mL				
480-30197-A-12 DU	OC-SB-525-18/20-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: Dave Chapman	Sampler: David Chapman	Lab PM: Becky Mason	Carrier Tracking No(s):
Company: AMEC	Phone: 339-927-3793	E-Mail:	
Address: 2 Robbins Road	Due Date Requested: Standard		
City: Westford	TAT Requested (days): Standard		
State, Zip: MA 01886			
Phone: 978-692-9090	Quote #:		
Email: david.chapman@amec.com	PO #:		
Project Name/number: Olin Wilmington/6107120016	WO #:		
Site: Olin Wilmington	SSOW#:		

COC No: 21905
Page: 12 of 23
Job #: 480-30197

Analysis Requested

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 ☒ GW1/S1 ☒; RCP ☐ CT RSR ☐; DEP Form ☐ EDD Required ☐; EPA / Superfund ☒

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-8467199	SVOCs (BEHP) 827.06	EPH MADEP EPH 98.1	VOCs (TMP) 8260B	Total Number of containers	Special Instructions/Note:
Preservation Code:													
~~OC-SB-0.0/1.0 xxx~~ OC-SB-509-0.0/1.0-xxx	12/13/12	13:30	C	S	DC NO	N	N	3				3	Contact Becky Mason with questions
~~OC-SB-1.0/3.0 xxx~~ OC-SB-509-1.0/3.0-xxx	12/13/12	13:35	C	S	DC NO	N	N	3				3	
OC-SB-510-0.0/1.0-xxx	12/13/12	12:55	C	S	DC NO	N	N	3				3	
OC-SB-510-7.0/9.0-xxx	12/13/12	13:00	C	S	DC NO	N	N	3				3	
OC-SB-520-0.0/1.0-xxx	12/13/12	08:10	C	S	DC NO	N	N		1	4		5	
OC-SB-520-8.0/10-xxx	12/13/12	08:40	C	S	DC NO	N	N		1	4		5	
OC-SB-520-18/20-xxx	12/13/12	08:50	C	S	DC NO	N	N		1	4		5	
OC-SB-522-0.0/1.0-xxx	12/13/12	09:20	C	S	DC NO	N	N	3	1			4	
OC-SB-522-8.0/10-xxx	12/13/12	09:40	C	S	DC NO	N	N	3	1			4	
OC-SB-522-13/15-xxx	12/13/12	09:50	C	S	DC NO	N	N	3	1			4	

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 ☒ 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
Dave Chapman	12-13-12 15:40	AMEC	[signature]	12-13-12 1540	
[signature]	12-13-12 1830	TA	[signature]	12/13/12 1830	TA

Custody Seals Intact: Δ Yes Δ No
Custody Seal No.:
Cooler Temperature(s) °C and Other Remarks: 1.2 ICE

TAL-8245-360 1111

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: Dave Chapman	Sampler: David Chapman	Lab PM: Becky Mason	Carrier Tracking No(s):
Company: AMEC	Phone: 339-927-3793	E-Mail:	
Address: 2 Robbins Road	Due Date Requested: Standard		
City: Westford	TAT Requested (days): Standard		
State, Zip: MA 01886			
Phone: 978-692-9090	Quote #:		
Email: david.chapman@amec.com	PO #:		
Project Name/number: olin wilmington 6107120016	WO #:		
Site: Olin wilmington	SSOW#:		

COC No: 21906
Page: 2 of 23
Job #: 480-30197

Analysis Requested

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 ☒ GW1/S1 ☒
RCP ☐ CT RSR ☐
DEP Form ☐ EDD Required ☐
EPA /Superfund ☒

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 7199	SVOCs (DEHP) 8270C	EPH MADEP EPH 98-1	VOCs (TMP) 8260B	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
OC-SB-525-0.0/1.0-xxx	12/13/12	11:00	C	S	DC ND	N	N	3				3	contact Becky Mason
OC-SB-525-3.0/5.0-xxx	12/13/12	11:20	C	S	DC ND	N	N	3				3	w/ questions
OC-SB-525-18/20-xxx	12/13/12	11:45	C	S	DC ND	N	N	3				3	
OC-SB-533-0.0/1.0-xxx	12/13/12	14:00	C	S	DC ND	N	N			1		1	
OC-SB-533-6.0/8.0-xxx	12/13/12	14:20	C	S	DC ND	N	N			1		1	
OC-SB-533-13/15-xxx	12/13/12	14:30	C	S	DC ND	N	N			1		1	
OC-SB-532-0.0/1.0-xxx	12/13/12	14:40	C	S	DC ND	N	N			1		1	
OC-SB-532-6.0/8.0-xxx	12/13/12	14:45	C	S	DC ND	N	N			1		1	
OC-SB-532-11/13-xxx	12/13/12	14:50	C	S	DC ND	N	N			1		1	
OC-SB-534-0.0/1.0-xxx	12/13/12	15:05	C	S	DC ND	N	N			1		1	

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 ☒ 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	12-13-12 1515	AMEC		12/13/12 0800	
	12/13/12 1830	TA		12/13/12 1830	TA

Custody Seals Intact: Δ Yes Δ No
Custody Seal No.:
Cooler Temperature(s) °C and Other Remarks: 1.2 ICE

TAL-8245-360 1111

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: Dave Chapman	Sampler: David Chapman	Lab PM: Becky Mason	Carrier Tracking No(s):
Company: AMEC	Phone: 339-927-3793	E-Mail:	
Address: 2 Robbin Road	Due Date Requested: Standard		
City: Watford	TAT Requested (days): Standard		
State, Zip: MA 01886			
Phone: ~~978-727-~~ 978-692-9090	Quote #:		
Email: david.chapman@amec.com	PO #:		
Project Name/number: olin wilmington / 61@7120016	WO #:		
Site: olin Wilmington	SSOW#:		

COC No: 21907
Page: 3 of 3
Job #: 460-30197

Analysis Requested

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 ☒ GW1/S1 ☐ RCP ☐ CT RSR ☐ DEP Form ☐ EDD Required ☐ EPA/Superfund ☒

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-8467199	SVOC (BEHP) 82706	EPH MADEP EPH 98-1	VOC (TMP) 8260B	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X	X						
OC-SB-534-7.0/9.0-xxx	12/13/12	1510	C	S	DC AD	✓	✓			1		1	

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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 ☒ 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
Dave Chapman	12-13-12 / 15:40	Amec	[signature]	12-13-12 1540	
[signature]	12-13-12 1830	TA	[signature]	12/13/12 1830	TA

Custody Seals Intact: Δ Yes Δ No
Custody Seal No.:
Cooler Temperature(s) °C and Other Remarks: 1.2 ICE

TAL-8245-360 1111

03/12/2013

Login Sample Receipt Checklist

Client: Olin Corporation

Job Number: 480-30197-1

Login Number: 30197

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: 480-30197-1

Login Number: 30197
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: 480-30197-1

Login Number: 30197
List Number: 1
Creator: Emerich, Rich W

List Source: TestAmerica Westfield
List Creation: 12/14/12 03:27 PM

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	