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ANALYTICAL REPORT

Job Number: 480-30106-1

Job Description: Olin Chemical Wilmington MA Superfund

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

Attention: Mr. James Cashwell

Approved for release.
Becky C Mason
Project Manager II
3/11/2013 12:02 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 #: **480-30106-1**

Project Location: **Olin Wilmington** RTN:

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

480-30106-1 [1-22]

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 10:45

This form has been electronically signed and approved

CASE NARRATIVE
Client: Olin Corporation

Project: Olin Chemical Wilmington MA Superfund
Report Number: 480-30106-1

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 12/12/2012; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 2.1 & 2.8°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.

Due to a laboratory error all DI water vials were prematurely disposed of. All MEOH vials were properly stored and used for analysis.

On December 13, 2012 the client cancelled the following samples OC-SB-515-0.0/1.0-XXX (480-30106-7), OC-SB-516-0.0/1.0-XXX (480-30106-10).

VOLATILE ORGANIC COMPOUNDS (GC-MS)
Samples OC-SB-514-0.0/1.0-XXX (480-30106-4), OC-SB-515-6.0/8.0-XXX (480-30106-8), OC-SB-515-13/15-XXX (480-30106-9), OC-SB-516-6.0/8.0-XXX (480-30106-11), OC-SB-516-15/17-XXX (480-30106-12), OC-SB-517-0.0/1.0-XXX (480-30106-13), OC-SB-517-6.0/8.0-XXX (480-30106-14) and OC-SB-517-18/20-XXX (480-30106-15) were analyzed for volatile organic compounds (GC-MS) in accordance with SW846 8260C. The samples were prepared and analyzed on 12/18/2012.

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

LCS
Hexachlorobutadiene failed the recovery criteria high for LCS 480-96335/1-A. Refer to the QC report for details.

CCV
The continuing calibration verification (CCV) for Bromoform and Hexachlorobutadiene associated with batch 96317 recovered above the MCP upper control limit. MCP protocol allows for 20% of the target compounds to be outside the 20% difference but not over 40% difference.

No other difficulties were encountered during the VOC analyses.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS) - LOW LEVEL

Samples OC-SB-514-0.0/1.0-XXX (480-30106-4), OC-SB-514-7.0/9.0-XXX (480-30106-5), OC-SB-514-15/17-XXX (480-30106-6), OC-SB-515-6.0/8.0-XXX (480-30106-8), OC-SB-515-13/15-XXX (480-30106-9), OC-SB-516-6.0/8.0-XXX (480-30106-11), OC-SB-516-15/17-XXX (480-30106-12), OC-SB-517-0.0/1.0-XXX (480-30106-13), OC-SB-517-6.0/8.0-XXX (480-30106-14) and OC-SB-517-18/20-XXX (480-30106-15) 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 12/19/2012 and analyzed on 12/19/2012 and 12/20/2012.

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

Surrogates

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-517-0.0/1.0-XXX (480-30106-13). 2,4,6-Tribromophenol, 2-Fluorobiphenyl, 2-Fluorophenol, Nitrobenzene-d5 and Phenol-d5 failed the surrogate recovery criteria low for OC-SB-517-6.0/8.0-XXX (480-30106-14). Refer to the QC report for details.

General

Samples OC-SB-517-0.0/1.0-XXX (480-30106-13)[20X] and OC-SB-517-6.0/8.0-XXX (480-30106-14)[10X] required dilution prior to analysis due to an abundance of target analytes. The reporting limits have been adjusted accordingly.

Method(s) 8270D: The following samples were diluted due to an abundance of target analytes: OC-SB-517-0.0/1.0-XXX (480-30106-13), OC-SB-517-6.0/8.0-XXX (480-30106-14). As such, surrogate recoveries were reduced to a level in which they do not provide useful information. Elevated reporting limits (RLs) are provided.

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

Method(s) 8270D: Multiple compounds were outside control limits in the continuing calibration verification (CCV) associated with analytical batch 96568. 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 laboratory control sample and the laboratory control sample duplicate (LCS/LCSD) for batch preparation 96302 exceeded control limits for multiple analytes. These analytes have been identified as poor performing analytes when analyzed using this method; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

Method(s) 8270D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 96302 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

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 %RPD of the laboratory control sample (LCS) and laboratory control standard duplicate (LCSD) for preparation batch 96302 exceeded control limits for several analytes. The data has been qualified and reported.

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

Method(s) 8270D: The following compound was outside control limits in the continuing calibration verification (CCV) associated with batch analytical 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.

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

All other quality control parameters were within the acceptance limits.

EXTRACTABLE PETROLEUM HYDROCARBONS

Samples OC-SB-514-0.0/1.0-XXX (480-30106-4), OC-SB-514-7.0/9.0-XXX (480-30106-5), OC-SB-514-15/17-XXX (480-30106-6), OC-SB-515-6.0/8.0-XXX (480-30106-8), OC-SB-515-13/15-XXX (480-30106-9), OC-SB-516-6.0/8.0-XXX (480-30106-11), OC-SB-516-15/17-XXX (480-30106-12), OC-SB-517-0.0/1.0-XXX (480-30106-13), OC-SB-517-6.0/8.0-XXX (480-30106-14), OC-SB-517-18/20-XXX (480-30106-15) and OC-DUP-4 (480-30106-22) were analyzed for extractable petroleum hydrocarbons in accordance with MA DEP MA-EPH. The samples were analyzed on 12/30/2012.

No difficulties were encountered during the EPH analyses.

All quality control parameters were within the acceptance limits.

EXTRACTABLE PETROLEUM HYDROCARBONS

Samples OC-SB-514-0.0/1.0-XXX (480-30106-4), OC-SB-514-7.0/9.0-XXX (480-30106-5), OC-SB-514-15/17-XXX (480-30106-6), OC-SB-515-6.0/8.0-XXX (480-30106-8), OC-SB-515-13/15-XXX (480-30106-9), OC-SB-516-6.0/8.0-XXX (480-30106-11), OC-SB-516-15/17-XXX (480-30106-12), OC-SB-517-0.0/1.0-XXX (480-30106-13), OC-SB-517-6.0/8.0-XXX (480-30106-14), OC-SB-517-18/20-XXX (480-30106-15) and OC-DUP-4 (480-30106-22) 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.

No difficulties were encountered during the EPH analyses.

All quality control parameters were within the acceptance limits.

REDUCTION-OXIDATION (REDOX) POTENTIAL

Samples OC-SB-513-0.0/1.0-XXX (480-30106-1), OC-SB-513-7.0/9.0-XXX (480-30106-2), OC-SB-513-10/12-XXX (480-30106-3), OC-SB-514-0.0/1.0-XXX (480-30106-4), OC-SB-514-7.0/9.0-XXX (480-30106-5), OC-SB-514-15/17-XXX (480-30106-6), OC-SB-517-0.0/1.0-XXX (480-30106-13), OC-SB-517-6.0/8.0-XXX (480-30106-14), OC-SB-517-18/20-XXX (480-30106-15), OC-SB-524-0.0/1.0-XXX (480-30106-16), OC-SB-524-8.0/10-XXX (480-30106-17), OC-SB-524-27/29-XXX (480-30106-18), OC-SB-523-0.0/1.0-XXX (480-30106-19), OC-SB-523-6.0/8.0-XXX (480-30106-20), OC-SB-523-22/24-XXX (480-30106-21) and OC-DUP-4 (480-30106-22) were analyzed for Reduction-Oxidation (REDOX) Potential in accordance with SM20 2580B Oxidation Reduction Potential. The samples were leached on 12/13/2012 and analyzed on 12/13/2012.

General

For ORP batch 97384, analysis of MS/MSD is not feasible for the method.

No difficulties were encountered during the redox analyses.

All quality control parameters were within the acceptance limits.

HEXAVALENT CHROMIUM

Samples OC-SB-513-0.0/1.0-XXX (480-30106-1), OC-SB-513-7.0/9.0-XXX (480-30106-2), OC-SB-513-10/12-XXX (480-30106-3), OC-SB-514-0.0/1.0-XXX (480-30106-4), OC-SB-514-7.0/9.0-XXX (480-30106-5), OC-SB-514-15/17-XXX (480-30106-6), OC-SB-517-0.0/1.0-XXX (480-30106-13), OC-SB-517-6.0/8.0-XXX (480-30106-14), OC-SB-517-18/20-XXX (480-30106-15), OC-SB-524-0.0/1.0-XXX (480-30106-16), OC-SB-524-8.0/10-XXX (480-30106-17), OC-SB-524-27/29-XXX (480-30106-18), OC-SB-523-0.0/1.0-XXX (480-30106-19), OC-SB-523-6.0/8.0-XXX (480-30106-20), OC-SB-523-22/24-XXX (480-30106-21) and OC-DUP-4 (480-30106-22) were analyzed for Hexavalent chromium in accordance with SW 846 7199. The samples were prepared on 12/27/2012 and analyzed on 01/01/2013 and 12/31/2012.

General

The following sample(s) were found to have been reductive in nature for hexavalent chromium.OC-SB-513-0.0/1.0-XXX (480-30106-1), OC-SB-513-10/12-XXX (480-30106-3), OC-SB-513-7.0/9.0-XXX (480-30106-2), OC-SB-514-0.0/1.0-XXX (480-30106-4), OC-SB-514-7.0/9.0-XXX (480-30106-5)

The sample matrix has been determined to be reductive in nature (480-30106-6 MSI), OC-DUP-4 (480-30106-22), OC-SB-514-15/17-MDS (480-30106-6 MSD), OC-SB-514-15/17-XMS (480-30106-6 MS), OC-SB-514-15/17-XXX (480-30106-6), OC-SB-517-0.0/1.0-XXX (480-30106-13), OC-SB-517-18/20-XXX (480-30106-15), OC-SB-517-6.0/8.0-XXX (480-30106-14), OC-SB-523-0.0/1.0-XXX (480-30106-19), OC-SB-523-22/24-XXX (480-30106-21), OC-SB-523-6.0/8.0-XXX (480-30106-20), OC-SB-524-0.0/1.0-XXX (480-30106-16), OC-SB-524-27/29-XXX (480-30106-18), OC-SB-524-8.0/10-XXX (480-30106-17)

No difficulties were encountered during the hex chrome analyses.

All quality control parameters were within the acceptance limits.

PH

Samples OC-SB-513-0.0/1.0-XXX (480-30106-1), OC-SB-513-7.0/9.0-XXX (480-30106-2), OC-SB-513-10/12-XXX (480-30106-3), OC-SB-514-0.0/1.0-XXX (480-30106-4), OC-SB-514-7.0/9.0-XXX (480-30106-5), OC-SB-514-15/17-XXX (480-30106-6), OC-SB-517-0.0/1.0-XXX (480-30106-13), OC-SB-517-6.0/8.0-XXX (480-30106-14), OC-SB-517-18/20-XXX (480-30106-15), OC-SB-524-0.0/1.0-XXX (480-30106-16), OC-SB-524-8.0/10-XXX (480-30106-17), OC-SB-524-27/29-XXX (480-30106-18), OC-SB-523-0.0/1.0-XXX (480-30106-19), OC-SB-523-6.0/8.0-XXX (480-30106-20), OC-SB-523-22/24-XXX (480-30106-21) and OC-DUP-4 (480-30106-22) were analyzed for pH in accordance with EPA SW-846 Method 9045C. The samples were leached on 12/13/2012 and analyzed on 12/13/2012.

General

For pH batch 97381, analysis of MS/MSD is not feasible for the method.

No difficulties were encountered during the pH analyses.

All quality control parameters were within the acceptance limits.

PERCENT SOLIDS

Samples OC-SB-513-0.0/1.0-XXX (480-30106-1), OC-SB-513-7.0/9.0-XXX (480-30106-2), OC-SB-513-10/12-XXX (480-30106-3), OC-SB-514-0.0/1.0-XXX (480-30106-4), OC-SB-514-7.0/9.0-XXX (480-30106-5), OC-SB-514-15/17-XXX (480-30106-6), OC-SB-515-6.0/8.0-XXX (480-30106-8), OC-SB-515-13/15-XXX (480-30106-9), OC-SB-516-6.0/8.0-XXX (480-30106-11), OC-SB-516-15/17-XXX (480-30106-12), OC-SB-517-0.0/1.0-XXX (480-30106-13), OC-SB-517-6.0/8.0-XXX (480-30106-14), OC-SB-517-18/20-XXX (480-30106-15), OC-SB-524-0.0/1.0-XXX (480-30106-16), OC-SB-524-8.0/10-XXX (480-30106-17), OC-SB-524-27/29-XXX (480-30106-18), OC-SB-523-0.0/1.0-XXX (480-30106-19), OC-SB-523-6.0/8.0-XXX (480-30106-20), OC-SB-523-22/24-XXX (480-30106-21) and OC-DUP-4 (480-30106-22) were analyzed for percent solids in accordance with EPA Moisture. The samples were analyzed on 12/14/2012.

No difficulties were encountered during the % solids analyses.

All quality control parameters were within the acceptance limits.

Organic Prep

Method(s) 3546: A significant amount of liquid was present in the following samples: OC-SB-515-13/15-XXX (480-30106-9), OC-SB-516-15/17-XXX (480-30106-12). These samples were decanted prior to preparation.

SAMPLE SUMMARY

Client: Olin Corporation

Job Number: 480-30106-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
480-30106-1	OC-SB-513-0.0/1.0-XXX	Solid	12/12/2012 0820	12/12/2012 1800
480-30106-2	OC-SB-513-7.0/9.0-XXX	Solid	12/12/2012 0825	12/12/2012 1800
480-30106-3	OC-SB-513-10/12-XXX	Solid	12/12/2012 0830	12/12/2012 1800
480-30106-4	OC-SB-514-0.0/1.0-XXX	Solid	12/12/2012 0850	12/12/2012 1800
480-30106-5	OC-SB-514-7.0/9.0-XXX	Solid	12/12/2012 0900	12/12/2012 1800
480-30106-6	OC-SB-514-15/17-XXX	Solid	12/12/2012 0920	12/12/2012 1800
480-30106-6MS	OC-SB-514-15/17-XXX	Solid	12/12/2012 0920	12/12/2012 1800
480-30106-6MSD	OC-SB-514-15/17-XXX	Solid	12/12/2012 0920	12/12/2012 1800
480-30106-8	OC-SB-515-6.0/8.0-XXX	Solid	12/12/2012 1020	12/12/2012 1800
480-30106-9	OC-SB-515-13/15-XXX	Solid	12/12/2012 1045	12/12/2012 1800
480-30106-11	OC-SB-516-6.0/8.0-XXX	Solid	12/12/2012 1125	12/12/2012 1800
480-30106-12	OC-SB-516-15/17-XXX	Solid	12/12/2012 1140	12/12/2012 1800
480-30106-13	OC-SB-517-0.0/1.0-XXX	Solid	12/12/2012 1215	12/12/2012 1800
480-30106-14	OC-SB-517-6.0/8.0-XXX	Solid	12/12/2012 1220	12/12/2012 1800
480-30106-15	OC-SB-517-18/20-XXX	Solid	12/12/2012 1240	12/12/2012 1800
480-30106-16	OC-SB-524-0.0/1.0-XXX	Solid	12/12/2012 1310	12/12/2012 1800
480-30106-17	OC-SB-524-8.0/10-XXX	Solid	12/12/2012 1320	12/12/2012 1800
480-30106-18	OC-SB-524-27/29-XXX	Solid	12/12/2012 1330	12/12/2012 1800
480-30106-19	OC-SB-523-0.0/1.0-XXX	Solid	12/12/2012 1345	12/12/2012 1800
480-30106-20	OC-SB-523-6.0/8.0-XXX	Solid	12/12/2012 1350	12/12/2012 1800
480-30106-21	OC-SB-523-22/24-XXX	Solid	12/12/2012 1410	12/12/2012 1800
480-30106-22	OC-DUP-4	Solid	12/12/2012 0000	12/12/2012 1800

EXECUTIVE SUMMARY - Detections

Client: Olin Corporation

Job Number: 480-30106-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-30106-1	**OC-SB-513-0.0/1.0-XXX**					
Percent Moisture		13		0.10	%	Moisture
Percent Solids		87		0.10	%	Moisture
Soluble						
pH-Soluble		7.30		1.00	SU	9045C
Oxidation Reduction Potential-Soluble		45		0.010	millivolts	SM 2580B
480-30106-2	**OC-SB-513-7.0/9.0-XXX**					
Percent Moisture		15		0.10	%	Moisture
Percent Solids		85		0.10	%	Moisture
Cr (VI)		1.0		0.23	mg/Kg	7199
Soluble						
pH-Soluble		6.13		1.00	SU	9045C
Oxidation Reduction Potential-Soluble		32		0.010	millivolts	SM 2580B
480-30106-3	**OC-SB-513-10/12-XXX**					
Percent Moisture		15		0.10	%	Moisture
Percent Solids		85		0.10	%	Moisture
Cr (VI)		0.47		0.23	mg/Kg	7199
Soluble						
pH-Soluble		7.08		1.00	SU	9045C
Oxidation Reduction Potential-Soluble		20		0.010	millivolts	SM 2580B
480-30106-4	**OC-SB-514-0.0/1.0-XXX**					
2,4,4-Trimethyl-1-pentene		46	J	320	ug/Kg	8260C
Bis(2-ethylhexyl) phthalate		330		220	ug/Kg	8270D
Pyrene		20	J	43	ug/Kg	8270D
Percent Moisture		23		0.10	%	Moisture
Percent Solids		77		0.10	%	Moisture
Cr (VI)		0.54		0.26	mg/Kg	7199
Soluble						
pH-Soluble		4.72		1.00	SU	9045C
Oxidation Reduction Potential-Soluble		57		0.010	millivolts	SM 2580B

EXECUTIVE SUMMARY - Detections

Client: Olin Corporation

Job Number: 480-30106-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-30106-5	**OC-SB-514-7.0/9.0-XXX**					
Percent Moisture		22		0.10	%	Moisture
Percent Solids		78		0.10	%	Moisture
Cr (VI)		0.21	J	0.26	mg/Kg	7199
Soluble						
pH-Soluble		5.21		1.00	SU	9045C
Oxidation Reduction Potential-Soluble		27		0.010	millivolts	SM 2580B
480-30106-6	**OC-SB-514-15/17-XXX**					
Percent Moisture		8.0		0.10	%	Moisture
Percent Solids		92		0.10	%	Moisture
Cr (VI)		0.88		0.22	mg/Kg	7199
Soluble						
pH-Soluble		6.85		1.00	SU	9045C
Oxidation Reduction Potential-Soluble		14		0.010	millivolts	SM 2580B
480-30106-8	**OC-SB-515-6.0/8.0-XXX**					
Percent Moisture		15		0.10	%	Moisture
Percent Solids		85		0.10	%	Moisture
480-30106-9	**OC-SB-515-13/15-XXX**					
Percent Moisture		17		0.10	%	Moisture
Percent Solids		83		0.10	%	Moisture
480-30106-11	**OC-SB-516-6.0/8.0-XXX**					
Percent Moisture		17		0.10	%	Moisture
Percent Solids		83		0.10	%	Moisture
480-30106-12	**OC-SB-516-15/17-XXX**					
2,4,4-Trimethyl-1-pentene		29	J	310	ug/Kg	8260C
4-Chlorophenyl phenyl ether		17	J	42	ug/Kg	8270D
Phenyl ether		43		42	ug/Kg	8270D
Percent Moisture		22		0.10	%	Moisture
Percent Solids		78		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Olin Corporation

Job Number: 480-30106-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-30106-13	**OC-SB-517-0.0/1.0-XXX**					
2,4,4-Trimethyl-1-pentene		730		320	ug/Kg	8260C
2,4,4-Trimethyl-2-pentene		260	J	320	ug/Kg	8260C
Bis(2-ethylhexyl) phthalate		12000		3600	ug/Kg	8270D
Percent Moisture		9.0		0.10	%	Moisture
Percent Solids		91		0.10	%	Moisture
Cr (VI)		1.2		0.22	mg/Kg	7199
Soluble						
pH-Soluble		4.82		1.00	SU	9045C
Oxidation Reduction Potential-Soluble		42		0.010	millivolts	SM 2580B
480-30106-14	**OC-SB-517-6.0/8.0-XXX**					
2,4,4-Trimethyl-1-pentene		78	J	340	ug/Kg	8260C
Bis(2-ethylhexyl) phthalate		3300		1800	ug/Kg	8270D
Percent Moisture		9.9		0.10	%	Moisture
Percent Solids		90		0.10	%	Moisture
Cr (VI)		0.32		0.22	mg/Kg	7199
Soluble						
pH-Soluble		5.56		1.00	SU	9045C
Oxidation Reduction Potential-Soluble		20		0.010	millivolts	SM 2580B
480-30106-15	**OC-SB-517-18/20-XXX**					
2,4,4-Trimethyl-1-pentene		170	J	320	ug/Kg	8260C
2,4,4-Trimethyl-2-pentene		38	J	320	ug/Kg	8260C
Percent Moisture		22		0.10	%	Moisture
Percent Solids		78		0.10	%	Moisture
Cr (VI)		8.0		0.26	mg/Kg	7199
Soluble						
pH-Soluble		6.36		1.00	SU	9045C
Oxidation Reduction Potential-Soluble		5.0		0.010	millivolts	SM 2580B
480-30106-16	**OC-SB-524-0.0/1.0-XXX**					
Percent Moisture		17		0.10	%	Moisture
Percent Solids		83		0.10	%	Moisture
Cr (VI)		0.31		0.24	mg/Kg	7199
Soluble						
pH-Soluble		7.37		1.00	SU	9045C
Oxidation Reduction Potential-Soluble		7.0		0.010	millivolts	SM 2580B

EXECUTIVE SUMMARY - Detections

Client: Olin Corporation

Job Number: 480-30106-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-30106-17	**OC-SB-524-8.0/10-XXX**					
Percent Moisture		17		0.10	%	Moisture
Percent Solids		83		0.10	%	Moisture
Cr (VI)		0.34		0.24	mg/Kg	7199
Soluble						
pH-Soluble		6.78		1.00	SU	9045C
Oxidation Reduction Potential-Soluble		14		0.010	millivolts	SM 2580B
480-30106-18	**OC-SB-524-27/29-XXX**					
Percent Moisture		22		0.10	%	Moisture
Percent Solids		78		0.10	%	Moisture
Soluble						
pH-Soluble		6.89		1.00	SU	9045C
Oxidation Reduction Potential-Soluble		10		0.010	millivolts	SM 2580B
480-30106-19	**OC-SB-523-0.0/1.0-XXX**					
Percent Moisture		16		0.10	%	Moisture
Percent Solids		84		0.10	%	Moisture
Cr (VI)		0.39		0.24	mg/Kg	7199
Soluble						
pH-Soluble		6.55		1.00	SU	9045C
Oxidation Reduction Potential-Soluble		14		0.010	millivolts	SM 2580B
480-30106-20	**OC-SB-523-6.0/8.0-XXX**					
Percent Moisture		11		0.10	%	Moisture
Percent Solids		89		0.10	%	Moisture
Cr (VI)		0.17	J	0.23	mg/Kg	7199
Soluble						
pH-Soluble		6.17		1.00	SU	9045C
Oxidation Reduction Potential-Soluble		21		0.010	millivolts	SM 2580B
480-30106-21	**OC-SB-523-22/24-XXX**					
Percent Moisture		10		0.10	%	Moisture
Percent Solids		90		0.10	%	Moisture
Cr (VI)		1.1		0.23	mg/Kg	7199
Soluble						
pH-Soluble		6.49		1.00	SU	9045C
Oxidation Reduction Potential-Soluble		30		0.010	millivolts	SM 2580B

EXECUTIVE SUMMARY - Detections

Client: Olin Corporation

Job Number: 480-30106-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-30106-22	**OC-DUP-4**					
Percent Moisture		16		0.10	%	Moisture
Percent Solids		84		0.10	%	Moisture
Cr (VI)		0.18	J	0.24	mg/Kg	7199
Soluble						
pH-Soluble		5.49		1.00	SU	9045C
Oxidation Reduction Potential-Soluble		32		0.010	millivolts	SM 2580B

METHOD SUMMARY

Client: Olin Corporation

Job Number: 480-30106-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Volatile Organic Compounds (GC/MS)	TAL BUF	MA DEP 8260C	
Purge and Trap	TAL BUF		SW846 5035
Semivolatile Organic Compounds (GC/MS) Low Level	TAL BUF	MA DEP 8270D	
Microwave Extraction	TAL BUF		SW846 3546
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: 480-30106-1

Method	Analyst	Analyst ID
MA DEP 8260C	Larson, Renee	RL
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	Patel, Sunil	SP
SW846 7199	Welch, Raquel	RW

Client: Olin Corporation

Job Number: 480-30106-1

Client Sample ID: **OC-SB-514-0.0/1.0-XXX**

Lab Sample ID: 480-30106-4

Client Matrix: Solid

% Moisture: 22.8

Date Sampled: 12/12/2012 0850

Date Received: 12/12/2012 1800

8260C Volatile Organic Compounds (GC/MS)

Analysis Method:	8260C	Analysis Batch:	480-96317	Instrument ID:	HP5975T
Prep Method:	5035	Prep Batch:	480-96335	Lab File ID:	T4480.D
Dilution:	1.0			Initial Weight/Volume:	10.227 g
Analysis Date:	12/18/2012 1248			Final Weight/Volume:	10 mL
Prep Date:	12/18/2012 0904				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4,4-Trimethyl-1-pentene		46	J	27	320
2,4,4-Trimethyl-2-pentene		ND		34	320

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	116		70 - 130
1,2-Dichloroethane-d4 (Surr)	119		70 - 130
4-Bromofluorobenzene (Surr)	113		70 - 130

Client: Olin Corporation

Job Number: 480-30106-1

Client Sample ID: **OC-SB-514-0.0/1.0-XXX**

Lab Sample ID: 480-30106-4

Client Matrix: Solid

% Moisture: 22.8

Date Sampled: 12/12/2012 0850

Date Received: 12/12/2012 1800

8260C Volatile Organic Compounds (GC/MS)

Analysis Method:	8260C	Analysis Batch:	480-96317	Instrument ID:	HP5975T
Prep Method:	5035	Prep Batch:	480-96335	Lab File ID:	T4480.D
Dilution:	1.0			Initial Weight/Volume:	10.227 g
Analysis Date:	12/18/2012 1248			Final Weight/Volume:	10 mL
Prep Date:	12/18/2012 0904				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	H

Client: Olin Corporation

Job Number: 480-30106-1

Client Sample ID: **OC-SB-515-6.0/8.0-XXX**

Lab Sample ID: 480-30106-8

Client Matrix: Solid

% Moisture: 15.4

Date Sampled: 12/12/2012 1020

Date Received: 12/12/2012 1800

8260C Volatile Organic Compounds (GC/MS)

Analysis Method:	8260C	Analysis Batch:	480-96317	Instrument ID:	HP5975T
Prep Method:	5035	Prep Batch:	480-96335	Lab File ID:	T4484.D
Dilution:	1.0			Initial Weight/Volume:	10.653 g
Analysis Date:	12/18/2012 1424			Final Weight/Volume:	10 mL
Prep Date:	12/18/2012 0904				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4,4-Trimethyl-1-pentene		ND		24	280
2,4,4-Trimethyl-2-pentene		ND		29	280

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	118		70 - 130
1,2-Dichloroethane-d4 (Surr)	119		70 - 130
4-Bromofluorobenzene (Surr)	116		70 - 130

Client: Olin Corporation

Job Number: 480-30106-1

Client Sample ID: **OC-SB-515-6.0/8.0-XXX**

Lab Sample ID: 480-30106-8

Client Matrix: Solid

% Moisture: 15.4

Date Sampled: 12/12/2012 1020

Date Received: 12/12/2012 1800

8260C Volatile Organic Compounds (GC/MS)

Analysis Method:	8260C	Analysis Batch:	480-96317	Instrument ID:	HP5975T
Prep Method:	5035	Prep Batch:	480-96335	Lab File ID:	T4484.D
Dilution:	1.0			Initial Weight/Volume:	10.653 g
Analysis Date:	12/18/2012 1424			Final Weight/Volume:	10 mL
Prep Date:	12/18/2012 0904				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	H

Client: Olin Corporation

Job Number: 480-30106-1

Client Sample ID: **OC-SB-515-13/15-XXX**

Lab Sample ID: 480-30106-9

Client Matrix: Solid

% Moisture: 16.8

Date Sampled: 12/12/2012 1045

Date Received: 12/12/2012 1800

8260C Volatile Organic Compounds (GC/MS)

Analysis Method:	8260C	Analysis Batch:	480-96317	Instrument ID:	HP5975T
Prep Method:	5035	Prep Batch:	480-96335	Lab File ID:	T4485.D
Dilution:	1.0			Initial Weight/Volume:	12.765 g
Analysis Date:	12/18/2012 1448			Final Weight/Volume:	10 mL
Prep Date:	12/18/2012 0904				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4,4-Trimethyl-1-pentene		ND		20	240
2,4,4-Trimethyl-2-pentene		ND		25	240

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	115		70 - 130
1,2-Dichloroethane-d4 (Surr)	118		70 - 130
4-Bromofluorobenzene (Surr)	115		70 - 130

Client: Olin Corporation

Job Number: 480-30106-1

Client Sample ID: **OC-SB-515-13/15-XXX**

Lab Sample ID: 480-30106-9

Client Matrix: Solid

% Moisture: 16.8

Date Sampled: 12/12/2012 1045

Date Received: 12/12/2012 1800

8260C Volatile Organic Compounds (GC/MS)

Analysis Method:	8260C	Analysis Batch:	480-96317	Instrument ID:	HP5975T
Prep Method:	5035	Prep Batch:	480-96335	Lab File ID:	T4485.D
Dilution:	1.0			Initial Weight/Volume:	12.765 g
Analysis Date:	12/18/2012 1448			Final Weight/Volume:	10 mL
Prep Date:	12/18/2012 0904				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	H

Client: Olin Corporation

Job Number: 480-30106-1

Client Sample ID: **OC-SB-516-6.0/8.0-XXX**

Lab Sample ID: 480-30106-11

Client Matrix: Solid

% Moisture: 16.7

Date Sampled: 12/12/2012 1125

Date Received: 12/12/2012 1800

8260C Volatile Organic Compounds (GC/MS)

Analysis Method:	8260C	Analysis Batch:	480-96317	Instrument ID:	HP5975T
Prep Method:	5035	Prep Batch:	480-96335	Lab File ID:	T4487.D
Dilution:	1.0			Initial Weight/Volume:	11.22 g
Analysis Date:	12/18/2012 1535			Final Weight/Volume:	10 mL
Prep Date:	12/18/2012 0904				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4,4-Trimethyl-1-pentene		ND		23	270
2,4,4-Trimethyl-2-pentene		ND		28	270

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	118		70 - 130
1,2-Dichloroethane-d4 (Surr)	117		70 - 130
4-Bromofluorobenzene (Surr)	116		70 - 130

Client: Olin Corporation

Job Number: 480-30106-1

Client Sample ID: **OC-SB-516-6.0/8.0-XXX**

Lab Sample ID: 480-30106-11

Client Matrix: Solid

% Moisture: 16.7

Date Sampled: 12/12/2012 1125

Date Received: 12/12/2012 1800

8260C Volatile Organic Compounds (GC/MS)

Analysis Method:	8260C	Analysis Batch:	480-96317	Instrument ID:	HP5975T
Prep Method:	5035	Prep Batch:	480-96335	Lab File ID:	T4487.D
Dilution:	1.0			Initial Weight/Volume:	11.22 g
Analysis Date:	12/18/2012 1535			Final Weight/Volume:	10 mL
Prep Date:	12/18/2012 0904				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	H

Client: Olin Corporation

Job Number: 480-30106-1

Client Sample ID: **OC-SB-516-15/17-XXX**

Lab Sample ID: 480-30106-12

Client Matrix: Solid

% Moisture: 21.6

Date Sampled: 12/12/2012 1140

Date Received: 12/12/2012 1800

8260C Volatile Organic Compounds (GC/MS)

Analysis Method:	8260C	Analysis Batch:	480-96317	Instrument ID:	HP5975T
Prep Method:	5035	Prep Batch:	480-96335	Lab File ID:	T4488.D
Dilution:	1.0			Initial Weight/Volume:	10.33 g
Analysis Date:	12/18/2012 1559			Final Weight/Volume:	10 mL
Prep Date:	12/18/2012 0904				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4,4-Trimethyl-1-pentene		29	J	27	310
2,4,4-Trimethyl-2-pentene		ND		33	310

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	118		70 - 130
1,2-Dichloroethane-d4 (Surr)	116		70 - 130
4-Bromofluorobenzene (Surr)	116		70 - 130

Client: Olin Corporation

Job Number: 480-30106-1

Client Sample ID: **OC-SB-516-15/17-XXX**

Lab Sample ID: 480-30106-12

Client Matrix: Solid

% Moisture: 21.6

Date Sampled: 12/12/2012 1140

Date Received: 12/12/2012 1800

8260C Volatile Organic Compounds (GC/MS)

Analysis Method:	8260C	Analysis Batch:	480-96317	Instrument ID:	HP5975T
Prep Method:	5035	Prep Batch:	480-96335	Lab File ID:	T4488.D
Dilution:	1.0			Initial Weight/Volume:	10.33 g
Analysis Date:	12/18/2012 1559			Final Weight/Volume:	10 mL
Prep Date:	12/18/2012 0904				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	H

Client: Olin Corporation

Job Number: 480-30106-1

Client Sample ID: **OC-SB-517-0.0/1.0-XXX**

Lab Sample ID: 480-30106-13

Client Matrix: Solid

% Moisture: 9.0

Date Sampled: 12/12/2012 1215

Date Received: 12/12/2012 1800

8260C Volatile Organic Compounds (GC/MS)

Analysis Method:	8260C	Analysis Batch:	480-96317	Instrument ID:	HP5975T
Prep Method:	5035	Prep Batch:	480-96335	Lab File ID:	T4489.D
Dilution:	1.0			Initial Weight/Volume:	8.531 g
Analysis Date:	12/18/2012 1623			Final Weight/Volume:	10 mL
Prep Date:	12/18/2012 0904				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4,4-Trimethyl-1-pentene		730		28	320
2,4,4-Trimethyl-2-pentene		260	J	34	320

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	116		70 - 130
1,2-Dichloroethane-d4 (Surr)	114		70 - 130
4-Bromofluorobenzene (Surr)	113		70 - 130

Client: Olin Corporation

Job Number: 480-30106-1

Client Sample ID: **OC-SB-517-0.0/1.0-XXX**

Lab Sample ID: 480-30106-13

Client Matrix: Solid

% Moisture: 9.0

Date Sampled: 12/12/2012 1215

Date Received: 12/12/2012 1800

8260C Volatile Organic Compounds (GC/MS)

Analysis Method:	8260C	Analysis Batch:	480-96317	Instrument ID:	HP5975T
Prep Method:	5035	Prep Batch:	480-96335	Lab File ID:	T4489.D
Dilution:	1.0			Initial Weight/Volume:	8.531 g
Analysis Date:	12/18/2012 1623			Final Weight/Volume:	10 mL
Prep Date:	12/18/2012 0904				

Tentatively Identified Compounds **Number TIC's Found:** **2**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	H
79-46-9	2-Nitropropane	5.14	950	H *
110-57-6	trans-1,4-Dichloro-2-butene	8.00	340	H

Client: Olin Corporation

Job Number: 480-30106-1

Client Sample ID: **OC-SB-517-6.0/8.0-XXX**

Lab Sample ID: 480-30106-14

Client Matrix: Solid

% Moisture: 9.9

Date Sampled: 12/12/2012 1220

Date Received: 12/12/2012 1800

8260C Volatile Organic Compounds (GC/MS)

Analysis Method:	8260C	Analysis Batch:	480-96317	Instrument ID:	HP5975T
Prep Method:	5035	Prep Batch:	480-96335	Lab File ID:	T4490.D
Dilution:	1.0			Initial Weight/Volume:	8.279 g
Analysis Date:	12/18/2012 1646			Final Weight/Volume:	10 mL
Prep Date:	12/18/2012 0904				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4,4-Trimethyl-1-pentene		78	J	29	340
2,4,4-Trimethyl-2-pentene		ND		36	340

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	117		70 - 130
1,2-Dichloroethane-d4 (Surr)	117		70 - 130
4-Bromofluorobenzene (Surr)	113		70 - 130

Client: Olin Corporation

Job Number: 480-30106-1

Client Sample ID: **OC-SB-517-6.0/8.0-XXX**

Lab Sample ID: 480-30106-14

Client Matrix: Solid

% Moisture: 9.9

Date Sampled: 12/12/2012 1220

Date Received: 12/12/2012 1800

8260C Volatile Organic Compounds (GC/MS)

Analysis Method:	8260C	Analysis Batch:	480-96317	Instrument ID:	HP5975T
Prep Method:	5035	Prep Batch:	480-96335	Lab File ID:	T4490.D
Dilution:	1.0			Initial Weight/Volume:	8.279 g
Analysis Date:	12/18/2012 1646			Final Weight/Volume:	10 mL
Prep Date:	12/18/2012 0904				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	H

Client: Olin Corporation

Job Number: 480-30106-1

Client Sample ID: **OC-SB-517-18/20-XXX**

Lab Sample ID: 480-30106-15

Client Matrix: Solid

% Moisture: 21.9

Date Sampled: 12/12/2012 1240

Date Received: 12/12/2012 1800

8260C Volatile Organic Compounds (GC/MS)

Analysis Method:	8260C	Analysis Batch:	480-96317	Instrument ID:	HP5975T
Prep Method:	5035	Prep Batch:	480-96335	Lab File ID:	T4491.D
Dilution:	1.0			Initial Weight/Volume:	10.05 g
Analysis Date:	12/18/2012 1710			Final Weight/Volume:	10 mL
Prep Date:	12/18/2012 0904				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4,4-Trimethyl-1-pentene		170	J	27	320
2,4,4-Trimethyl-2-pentene		38	J	34	320

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	114		70 - 130
1,2-Dichloroethane-d4 (Surr)	121		70 - 130
4-Bromofluorobenzene (Surr)	111		70 - 130

Client: Olin Corporation

Job Number: 480-30106-1

Client Sample ID: **OC-SB-517-18/20-XXX**

Lab Sample ID: 480-30106-15

Client Matrix: Solid

% Moisture: 21.9

Date Sampled: 12/12/2012 1240

Date Received: 12/12/2012 1800

8260C Volatile Organic Compounds (GC/MS)

Analysis Method:	8260C	Analysis Batch:	480-96317	Instrument ID:	HP5975T
Prep Method:	5035	Prep Batch:	480-96335	Lab File ID:	T4491.D
Dilution:	1.0			Initial Weight/Volume:	10.05 g
Analysis Date:	12/18/2012 1710			Final Weight/Volume:	10 mL
Prep Date:	12/18/2012 0904				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	H

Client: Olin Corporation

Job Number: 480-30106-1

Client Sample ID: **OC-SB-514-0.0/1.0-XXX**

Lab Sample ID: 480-30106-4

Client Matrix: Solid

% Moisture: 22.8

Date Sampled: 12/12/2012 0850

Date Received: 12/12/2012 1800

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

Analysis Method:	8270D	Analysis Batch:	480-96803	Instrument ID:	HP5973X
Prep Method:	3546	Prep Batch:	480-96561	Lab File ID:	X3205.D
Dilution:	1.0			Initial Weight/Volume:	000030.1 g
Analysis Date:	12/20/2012 1633			Final Weight/Volume:	1 mL
Prep Date:	12/19/2012 0930			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Bis(2-ethylhexyl) phthalate		330		87	220
N-Nitrosodi-n-propylamine		ND		13	43
4-Chlorophenyl phenyl ether		ND		13	43
4-Chloro-3-methylphenol		ND		13	86
Benzo[a]pyrene		ND		13	43
4-Methylphenol		ND		13	43
4-Nitroaniline		ND		36	220
2-Nitroaniline		ND		54	220
Caprolactam		ND		13	43
Carbazole		ND		13	43
4,6-Dinitro-2-methylphenol		ND		41	220
1-Methylnaphthalene		ND		13	43
N-Nitrosodiphenylamine		ND		13	43
Atrazine		ND		13	43
Phenyl ether		ND		13	43
Benzaldehyde		ND		13	43
Azobenzene		ND	*	13	43
Hexachlorocyclopentadiene		ND		13	86
3-Nitroaniline		ND		13	220
N-Nitrosodimethylamine		ND		13	43
Benzyl alcohol		ND		13	86
1,1'-Biphenyl		ND		13	43
2,3,4,6-Tetrachlorophenol		ND		13	43
Benzophenone		ND		13	43
Benzoic acid		ND		19	220
2,4,5-Trichlorophenol		ND		14	43
Aniline		ND		13	43
Hexachloroethane		ND		13	43
Dimethyl phthalate		ND		13	43
2,4-Dimethylphenol		ND		13	43
Isophorone		ND		13	43
Fluorene		ND		13	43
Dibenzofuran		ND		13	43
Acenaphthylene		ND		13	43
2,4-Dichlorophenol		ND		13	43
Benzo[g,h,i]perylene		ND		13	43
Hexachlorobenzene		ND		13	43
Di-n-octyl phthalate		ND		13	43
Hexachlorobutadiene		ND		13	43
Phenanthrene		ND		13	43
2-Nitrophenol		ND		17	43
Benzo[k]fluoranthene		ND		22	43
2,4-Dinitrophenol		ND	*	35	43
Anthracene		ND		13	43
2-Methylnaphthalene		ND		13	43
Di-n-butyl phthalate		ND		65	220

Client: Olin Corporation

Job Number: 480-30106-1

Client Sample ID: **OC-SB-514-0.0/1.0-XXX**

Lab Sample ID: 480-30106-4

Client Matrix: Solid

% Moisture: 22.8

Date Sampled: 12/12/2012 0850

Date Received: 12/12/2012 1800

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

Analysis Method:	8270D	Analysis Batch:	480-96803	Instrument ID:	HP5973X
Prep Method:	3546	Prep Batch:	480-96561	Lab File ID:	X3205.D
Dilution:	1.0			Initial Weight/Volume:	000030.1 g
Analysis Date:	12/20/2012 1633			Final Weight/Volume:	1 mL
Prep Date:	12/19/2012 0930			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,2,4-Trichlorobenzene		ND		13	43
Pyrene		20	J	13	43
2,4-Dinitrotoluene		ND		13	43
Dibenz(a,h)anthracene		ND		13	43
1,3-Dichlorobenzene		ND		13	43
Nitrobenzene		ND		13	43
Naphthalene		ND		13	43
2,4,6-Trichlorophenol		ND		18	43
Pentachlorophenol		ND		13	43
Fluoranthene		ND		13	43
3,3'-Dichlorobenzidine		ND		15	86
4-Bromophenyl phenyl ether		ND		13	43
Diethyl phthalate		ND		14	43
2-Methylphenol		ND		13	43
1,2-Dichlorobenzene		ND		13	43
2,2'-oxybis[1-chloropropane]		ND		13	43
Acetophenone		ND		13	43
Bis(2-chloroethyl)ether		ND		13	43
Benzo[a]anthracene		ND		13	43
1,2-Diphenylhydrazine		ND		13	43
Indeno[1,2,3-cd]pyrene		ND		13	43
Butyl benzyl phthalate		ND		13	43
Chrysene		ND		13	43
Acenaphthene		ND		13	43
Benzo[b]fluoranthene		ND		13	43
4-Nitrophenol		ND	*	18	220
4-Chloroaniline		ND		39	86
2-Chlorophenol		ND		13	43
2,6-Dinitrotoluene		ND		36	43
Phenol		ND		13	43
3 & 4 Methylphenol		ND		13	43
1,4-Dichlorobenzene		ND		13	43
Bis(2-chloroethoxy)methane		ND		13	43
2-Chloronaphthalene		ND		13	43
1,2,4,5-Tetrachlorobenzene		ND		13	43

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	74		30 - 130
2-Fluorophenol	67		30 - 130
Nitrobenzene-d5	53		30 - 130
Phenol-d5	54		30 - 130
2-Fluorobiphenyl	89		30 - 130
p-Terphenyl-d14	73		30 - 130

Client: Olin Corporation

Job Number: 480-30106-1

Client Sample ID: **OC-SB-514-0.0/1.0-XXX**

Lab Sample ID: 480-30106-4

Client Matrix: Solid

% Moisture: 22.8

Date Sampled: 12/12/2012 0850

Date Received: 12/12/2012 1800

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

Analysis Method:	8270D	Analysis Batch:	480-96803	Instrument ID:	HP5973X
Prep Method:	3546	Prep Batch:	480-96561	Lab File ID:	X3205.D
Dilution:	1.0			Initial Weight/Volume:	000030.1 g
Analysis Date:	12/20/2012 1633			Final Weight/Volume:	1 mL
Prep Date:	12/19/2012 0930			Injection Volume:	1 uL

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

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	3.85	64	T J
	Unknown	4.21	5300	T J
106-42-3	p-Xylene	4.65	2400	T J N
	Unknown	16.40	93	T J
1000163-4-7	Docosa-2,6,10,14,18-pentaen-22-al, 2,6,1	16.47	160	T J N
	Unknown	16.68	260	T J
	Unknown	17.09	50	T J
630-3-5	Nonacosane	17.28	86	T J N
	Unknown	17.51	110	T J
	Unknown	17.81	270	T J

Client: Olin Corporation | Job Number: 480-30106-1

Client Sample ID: **OC-SB-514-7.0/9.0-XXX**

Lab Sample ID: 480-30106-5 | Date Sampled: 12/12/2012 0900
Client Matrix: Solid | % Moisture: 21.6 | Date Received: 12/12/2012 1800

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

Analysis Method:	8270D	Analysis Batch:	480-96568	Instrument ID:	HP5973X
Prep Method:	3546	Prep Batch:	480-96302	Lab File ID:	X3174.D
Dilution:	1.0			Initial Weight/Volume:	000030.2 g
Analysis Date:	12/19/2012 1921			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		85	210
2,4,5-Trichlorophenol		ND		14	42
Aniline		ND		13	42
Hexachloroethane		ND		13	42
Dimethyl phthalate		ND		13	42
2,4-Dimethylphenol		ND	*	13	42
Isophorone		ND		13	42
Fluorene		ND		13	42
Dibenzofuran		ND		13	42
Acenaphthylene		ND		13	42
2,4-Dichlorophenol		ND		13	42
Benzo[g,h,i]perylene		ND		13	42
Hexachlorobenzene		ND		13	42
Di-n-octyl phthalate		ND		13	42
Hexachlorobutadiene		ND		13	42
Phenanthrene		ND		13	42
2-Nitrophenol		ND	*	16	42
Benzo[k]fluoranthene		ND		22	42
2,4-Dinitrophenol		ND	*	34	42
Anthracene		ND		13	42
2-Methylnaphthalene		ND		13	42
Di-n-butyl phthalate		ND		63	210
1,2,4-Trichlorobenzene		ND		13	42
Pyrene		ND		13	42
2,4-Dinitrotoluene		ND		13	42
Dibenz(a,h)anthracene		ND		13	42
1,3-Dichlorobenzene		ND		13	42
Nitrobenzene		ND		13	42
Naphthalene		ND		13	42
2,4,6-Trichlorophenol		ND		18	42
Pentachlorophenol		ND		13	42
Fluoranthene		ND		13	42
3,3'-Dichlorobenzidine		ND		15	84
4-Bromophenyl phenyl ether		ND		13	42
Diethyl phthalate		ND		14	42
2-Methylphenol		ND		13	42
1,2-Dichlorobenzene		ND		13	42
2,2'-oxybis[1-chloropropane]		ND		13	42
Acetophenone		ND		13	42
Bis(2-chloroethyl)ether		ND		13	42
Benzo[a]anthracene		ND		13	42
Indeno[1,2,3-cd]pyrene		ND		13	42
Butyl benzyl phthalate		ND		13	42
Chrysene		ND		13	42
Acenaphthene		ND		13	42
Benzo[b]fluoranthene		ND		13	42

Client: Olin Corporation

Job Number: 480-30106-1

Client Sample ID: **OC-SB-514-7.0/9.0-XXX**

Lab Sample ID: 480-30106-5

Client Matrix: Solid

% Moisture: 21.6

Date Sampled: 12/12/2012 0900

Date Received: 12/12/2012 1800

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

Analysis Method:	8270D	Analysis Batch:	480-96568	Instrument ID:	HP5973X
Prep Method:	3546	Prep Batch:	480-96302	Lab File ID:	X3174.D
Dilution:	1.0			Initial Weight/Volume:	000030.2 g
Analysis Date:	12/19/2012 1921			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	*	18	210
4-Chloroaniline		ND	*	38	84
2-Chlorophenol		ND		13	42
2,6-Dinitrotoluene		ND	*	35	42
Phenol		ND		13	42
3 & 4 Methylphenol		ND		13	42
1,4-Dichlorobenzene		ND		13	42
Bis(2-chloroethoxy)methane		ND		13	42
2-Chloronaphthalene		ND		13	42
N-Nitrosodi-n-propylamine		ND		13	42
4-Chlorophenyl phenyl ether		ND		13	42
4-Chloro-3-methylphenol		ND		13	84
Benzo[a]pyrene		ND		13	42
4-Methylphenol		ND		13	42
4-Nitroaniline		ND		35	210
2-Nitroaniline		ND		53	210
Caprolactam		ND		13	42
Carbazole		ND		13	42
4,6-Dinitro-2-methylphenol		ND		41	210
1-Methylnaphthalene		ND		13	42
N-Nitrosodiphenylamine		ND		13	42
Atrazine		ND		13	42
Phenyl ether		ND		13	42
Benzaldehyde		ND		13	42
Azobenzene		ND		13	42
Hexachlorocyclopentadiene		ND		13	84
3-Nitroaniline		ND		13	210
N-Nitrosodimethylamine		ND		13	42
Benzyl alcohol		ND		13	84
1,1'-Biphenyl		ND		13	42
2,3,4,6-Tetrachlorophenol		ND		13	42
Benzophenone		ND		13	42
Benzoic acid		ND		19	210
1,2,4,5-Tetrachlorobenzene		ND		13	42

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	85		30 - 130
2-Fluorophenol	71		30 - 130
Nitrobenzene-d5	49		30 - 130
Phenol-d5	52		30 - 130
2-Fluorobiphenyl	76		30 - 130
p-Terphenyl-d14	98		30 - 130

Client: Olin Corporation

Job Number: 480-30106-1

Client Sample ID: **OC-SB-514-7.0/9.0-XXX**

Lab Sample ID: 480-30106-5

Client Matrix: Solid

% Moisture: 21.6

Date Sampled: 12/12/2012 0900

Date Received: 12/12/2012 1800

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

Analysis Method:	8270D	Analysis Batch:	480-96568	Instrument ID:	HP5973X
Prep Method:	3546	Prep Batch:	480-96302	Lab File ID:	X3174.D
Dilution:	1.0			Initial Weight/Volume:	000030.2 g
Analysis Date:	12/19/2012 1921			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	3.87	43	T J
	Unknown	4.23	4400	T J
108-38-3	Benzene, 1,3-dimethyl-	4.67	41	T J N
124-18-5	Decane	6.35	25	T J N
629-99-2	Pentacosane	15.59	32	T J N
1928-30-9	Tricosane, 2-methyl-	15.87	35	T J N
638-67-5	Tricosane	16.13	29	T J N
112-95-8	Eicosane	16.40	32	T J N
	Unknown	16.68	42	T J
	Unknown	16.98	32	T J

Client: Olin Corporation

Job Number: 480-30106-1

Client Sample ID: **OC-SB-514-15/17-XXX**

Lab Sample ID: 480-30106-6

Client Matrix: Solid

% Moisture: 8.0

Date Sampled: 12/12/2012 0920

Date Received: 12/12/2012 1800

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

Analysis Method:	8270D	Analysis Batch:	480-96568	Instrument ID:	HP5973X
Prep Method:	3546	Prep Batch:	480-96302	Lab File ID:	X3175.D
Dilution:	1.0			Initial Weight/Volume:	000030.1 g
Analysis Date:	12/19/2012 1947			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		73	180
2,4,5-Trichlorophenol		ND		12	36
Aniline		ND		11	36
Hexachloroethane		ND		11	36
Dimethyl phthalate		ND		11	36
2,4-Dimethylphenol		ND	*	11	36
Isophorone		ND		11	36
Fluorene		ND		11	36
Dibenzofuran		ND		11	36
Acenaphthylene		ND		11	36
2,4-Dichlorophenol		ND		11	36
Benzo[g,h,i]perylene		ND		11	36
Hexachlorobenzene		ND		11	36
Di-n-octyl phthalate		ND		11	36
Hexachlorobutadiene		ND		11	36
Phenanthrene		ND		11	36
2-Nitrophenol		ND	*	14	36
Benzo[k]fluoranthene		ND		18	36
2,4-Dinitrophenol		ND	*	29	36
Anthracene		ND		11	36
2-Methylnaphthalene		ND		11	36
Di-n-butyl phthalate		ND		54	180
1,2,4-Trichlorobenzene		ND		11	36
Pyrene		ND		11	36
2,4-Dinitrotoluene		ND		11	36
Dibenz(a,h)anthracene		ND		11	36
1,3-Dichlorobenzene		ND		11	36
Nitrobenzene		ND		11	36
Naphthalene		ND		11	36
2,4,6-Trichlorophenol		ND		15	36
Pentachlorophenol		ND		11	36
Fluoranthene		ND		11	36
3,3'-Dichlorobenzidine		ND		13	72
4-Bromophenyl phenyl ether		ND		11	36
Diethyl phthalate		ND		12	36
2-Methylphenol		ND		11	36
1,2-Dichlorobenzene		ND		11	36
2,2'-oxybis[1-chloropropane]		ND		11	36
Acetophenone		ND		11	36
Bis(2-chloroethyl)ether		ND		11	36
Benzo[a]anthracene		ND		11	36
Indeno[1,2,3-cd]pyrene		ND		11	36
Butyl benzyl phthalate		ND		11	36
Chrysene		ND		11	36
Acenaphthene		ND		11	36
Benzo[b]fluoranthene		ND		11	36

Client: Olin Corporation

Job Number: 480-30106-1

Client Sample ID: **OC-SB-514-15/17-XXX**

Lab Sample ID: 480-30106-6

Client Matrix: Solid

% Moisture: 8.0

Date Sampled: 12/12/2012 0920

Date Received: 12/12/2012 1800

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

Analysis Method:	8270D	Analysis Batch:	480-96568	Instrument ID:	HP5973X
Prep Method:	3546	Prep Batch:	480-96302	Lab File ID:	X3175.D
Dilution:	1.0			Initial Weight/Volume:	000030.1 g
Analysis Date:	12/19/2012 1947			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	72
2-Chlorophenol		ND		11	36
2,6-Dinitrotoluene		ND	*	30	36
Phenol		ND		11	36
3 & 4 Methylphenol		ND		11	36
1,4-Dichlorobenzene		ND		11	36
Bis(2-chloroethoxy)methane		ND		11	36
2-Chloronaphthalene		ND		11	36
N-Nitrosodi-n-propylamine		ND		11	36
4-Chlorophenyl phenyl ether		ND		11	36
4-Chloro-3-methylphenol		ND		11	72
Benzo[a]pyrene		ND		11	36
4-Methylphenol		ND		11	36
4-Nitroaniline		ND		30	180
2-Nitroaniline		ND		45	180
Caprolactam		ND		11	36
Carbazole		ND		11	36
4,6-Dinitro-2-methylphenol		ND		35	180
1-Methylnaphthalene		ND		11	36
N-Nitrosodiphenylamine		ND		11	36
Atrazine		ND		11	36
Phenyl ether		ND		11	36
Benzaldehyde		ND		11	36
Azobenzene		ND		11	36
Hexachlorocyclopentadiene		ND		11	72
3-Nitroaniline		ND		11	180
N-Nitrosodimethylamine		ND		11	36
Benzyl alcohol		ND		11	72
1,1'-Biphenyl		ND		11	36
2,3,4,6-Tetrachlorophenol		ND		11	36
Benzophenone		ND		11	36
Benzoic acid		ND		16	180
1,2,4,5-Tetrachlorobenzene		ND		11	36

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	81		30 - 130
2-Fluorophenol	70		30 - 130
Nitrobenzene-d5	78		30 - 130
Phenol-d5	67		30 - 130
2-Fluorobiphenyl	77		30 - 130
p-Terphenyl-d14	102		30 - 130

Client: Olin Corporation

Job Number: 480-30106-1

Client Sample ID: **OC-SB-514-15/17-XXX**

Lab Sample ID: 480-30106-6

Client Matrix: Solid

% Moisture: 8.0

Date Sampled: 12/12/2012 0920

Date Received: 12/12/2012 1800

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

Analysis Method:	8270D	Analysis Batch:	480-96568	Instrument ID:	HP5973X
Prep Method:	3546	Prep Batch:	480-96302	Lab File ID:	X3175.D
Dilution:	1.0			Initial Weight/Volume:	000030.1 g
Analysis Date:	12/19/2012 1947			Final Weight/Volume:	1 mL
Prep Date:	12/18/2012 0812			Injection Volume:	1 uL

Tentatively Identified Compounds **Number TIC's Found:** **8**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	3.03	27	T J
	Unknown	3.86	43	T J
	Unknown	4.22	4300	T J
	Unknown	4.24	25	T J
108-38-3	Benzene, 1,3-dimethyl-	4.66	43	T J N
	Unknown	6.34	24	T J
	Unknown	14.14	35	T J
	Unknown	16.02	65	T J

Client: Olin Corporation | Job Number: 480-30106-1

Client Sample ID: **OC-SB-515-6.0/8.0-XXX**

Lab Sample ID: 480-30106-8 | Date Sampled: 12/12/2012 1020
Client Matrix: Solid | % Moisture: 15.4 | Date Received: 12/12/2012 1800

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

Analysis Method:	8270D	Analysis Batch:	480-96568	Instrument ID:	HP5973X
Prep Method:	3546	Prep Batch:	480-96302	Lab File ID:	X3176.D
Dilution:	1.0			Initial Weight/Volume:	000030.2 g
Analysis Date:	12/19/2012 2012			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		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		ND		12	39
Dibenzofuran		ND		12	39
Acenaphthylene		ND		12	39
2,4-Dichlorophenol		ND		12	39
Benzo[g,h,i]perylene		ND		12	39
Hexachlorobenzene		ND		12	39
Di-n-octyl phthalate		ND		12	39
Hexachlorobutadiene		ND		12	39
Phenanthrene		ND		12	39
2-Nitrophenol		ND	*	15	39
Benzo[k]fluoranthene		ND		20	39
2,4-Dinitrophenol		ND	*	32	39
Anthracene		ND		12	39
2-Methylnaphthalene		ND		12	39
Di-n-butyl phthalate		ND		59	200
1,2,4-Trichlorobenzene		ND		12	39
Pyrene		ND		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		ND		12	39
2,4,6-Trichlorophenol		ND		16	39
Pentachlorophenol		ND		12	39
Fluoranthene		ND		12	39
3,3'-Dichlorobenzidine		ND		14	78
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		ND		12	39
Indeno[1,2,3-cd]pyrene		ND		12	39
Butyl benzyl phthalate		ND		12	39
Chrysene		ND		12	39
Acenaphthene		ND		12	39
Benzo[b]fluoranthene		ND		12	39

Client: Olin Corporation

Job Number: 480-30106-1

Client Sample ID: **OC-SB-515-6.0/8.0-XXX**

Lab Sample ID: 480-30106-8

Client Matrix: Solid

% Moisture: 15.4

Date Sampled: 12/12/2012 1020

Date Received: 12/12/2012 1800

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

Analysis Method:	8270D	Analysis Batch:	480-96568	Instrument ID:	HP5973X
Prep Method:	3546	Prep Batch:	480-96302	Lab File ID:	X3176.D
Dilution:	1.0			Initial Weight/Volume:	000030.2 g
Analysis Date:	12/19/2012 2012			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	*	16	200
4-Chloroaniline		ND	*	35	78
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	78
Benzo[a]pyrene		ND		12	39
4-Methylphenol		ND		12	39
4-Nitroaniline		ND		33	200
2-Nitroaniline		ND		49	200
Caprolactam		ND		12	39
Carbazole		ND		12	39
4,6-Dinitro-2-methylphenol		ND		38	200
1-Methylnaphthalene		ND		12	39
N-Nitrosodiphenylamine		ND		12	39
Atrazine		ND		12	39
Phenyl ether		ND		12	39
Benzaldehyde		ND		12	39
Azobenzene		ND		12	39
Hexachlorocyclopentadiene		ND		12	78
3-Nitroaniline		ND		12	200
N-Nitrosodimethylamine		ND		12	39
Benzyl alcohol		ND		12	78
1,1'-Biphenyl		ND		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	66		30 - 130
2-Fluorophenol	74		30 - 130
Nitrobenzene-d5	68		30 - 130
Phenol-d5	55		30 - 130
2-Fluorobiphenyl	84		30 - 130
p-Terphenyl-d14	94		30 - 130

Client: Olin Corporation

Job Number: 480-30106-1

Client Sample ID: **OC-SB-515-6.0/8.0-XXX**

Lab Sample ID: 480-30106-8

Client Matrix: Solid

% Moisture: 15.4

Date Sampled: 12/12/2012 1020

Date Received: 12/12/2012 1800

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

Analysis Method:	8270D	Analysis Batch:	480-96568	Instrument ID:	HP5973X
Prep Method:	3546	Prep Batch:	480-96302	Lab File ID:	X3176.D
Dilution:	1.0			Initial Weight/Volume:	000030.2 g
Analysis Date:	12/19/2012 2012			Final Weight/Volume:	1 mL
Prep Date:	12/18/2012 0812			Injection Volume:	1 uL

Tentatively Identified Compounds **Number TIC's Found:** **8**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	3.85	48	T J
	Unknown	4.21	4300	T J
108-38-3	Benzene, 1,3-dimethyl-	4.66	55	T J N
	Unknown	6.34	27	T J
	Unknown	7.48	25	T J
	Unknown	15.87	25	T J
	Unknown	16.13	22	T J
	Unknown	16.40	21	T J

Client: Olin Corporation

Job Number: 480-30106-1

Client Sample ID: **OC-SB-515-13/15-XXX**

Lab Sample ID: 480-30106-9

Client Matrix: Solid

% Moisture: 16.8

Date Sampled: 12/12/2012 1045

Date Received: 12/12/2012 1800

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:	X3192.D
Dilution:	1.0			Initial Weight/Volume:	000030.9 g
Analysis Date:	12/20/2012 1101			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		78	190
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		ND		12	39
Dibenzofuran		ND		12	39
Acenaphthylene		ND		12	39
2,4-Dichlorophenol		ND		12	39
Benzo[g,h,i]perylene		ND		12	39
Hexachlorobenzene		ND		12	39
Di-n-octyl phthalate		ND		12	39
Hexachlorobutadiene		ND		12	39
Phenanthrene		ND		12	39
2-Nitrophenol		ND	*	15	39
Benzo[k]fluoranthene		ND		20	39
2,4-Dinitrophenol		ND	*	32	39
Anthracene		ND		12	39
2-Methylnaphthalene		ND		12	39
Di-n-butyl phthalate		ND		58	190
1,2,4-Trichlorobenzene		ND		12	39
Pyrene		ND		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		ND		12	39
2,4,6-Trichlorophenol		ND		16	39
Pentachlorophenol		ND		12	39
Fluoranthene		ND		12	39
3,3'-Dichlorobenzidine		ND		14	78
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		ND		12	39
Indeno[1,2,3-cd]pyrene		ND		12	39
Butyl benzyl phthalate		ND		12	39
Chrysene		ND		12	39
Acenaphthene		ND		12	39
Benzo[b]fluoranthene		ND		12	39

Client: Olin Corporation

Job Number: 480-30106-1

Client Sample ID: **OC-SB-515-13/15-XXX**

Lab Sample ID: 480-30106-9

Client Matrix: Solid

% Moisture: 16.8

Date Sampled: 12/12/2012 1045

Date Received: 12/12/2012 1800

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:	X3192.D
Dilution:	1.0			Initial Weight/Volume:	000030.9 g
Analysis Date:	12/20/2012 1101			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	*	16	190
4-Chloroaniline		ND	*	35	78
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	78
Benzo[a]pyrene		ND		12	39
4-Methylphenol		ND		12	39
4-Nitroaniline		ND		33	190
2-Nitroaniline		ND		49	190
Caprolactam		ND		12	39
Carbazole		ND		12	39
4,6-Dinitro-2-methylphenol		ND		37	190
1-Methylnaphthalene		ND		12	39
N-Nitrosodiphenylamine		ND		12	39
Atrazine		ND		12	39
Phenyl ether		ND		12	39
Benzaldehyde		ND		12	39
Azobenzene		ND		12	39
Hexachlorocyclopentadiene		ND		12	78
3-Nitroaniline		ND		12	190
N-Nitrosodimethylamine		ND		12	39
Benzyl alcohol		ND		12	78
1,1'-Biphenyl		ND		12	39
2,3,4,6-Tetrachlorophenol		ND		12	39
Benzophenone		ND		12	39
Benzoic acid		ND		18	190
1,2,4,5-Tetrachlorobenzene		ND		12	39

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	87		30 - 130
2-Fluorophenol	88		30 - 130
Nitrobenzene-d5	68		30 - 130
Phenol-d5	83		30 - 130
2-Fluorobiphenyl	81		30 - 130
p-Terphenyl-d14	117		30 - 130

Client: Olin Corporation

Job Number: 480-30106-1

Client Sample ID: **OC-SB-515-13/15-XXX**

Lab Sample ID: 480-30106-9

Client Matrix: Solid

% Moisture: 16.8

Date Sampled: 12/12/2012 1045

Date Received: 12/12/2012 1800

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:	X3192.D
Dilution:	1.0			Initial Weight/Volume:	000030.9 g
Analysis Date:	12/20/2012 1101			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	3.91	52	T J
	Unknown	4.25	4800	T J
	Unknown	4.27	71	T J
106-42-3	p-Xylene	4.68	64	T J N
	Unknown	7.48	39	T J
629-99-2	Pentacosane	15.58	37	T J N
630-1-3	Hexacosane	15.86	38	T J N
544-85-4	Dotriacontane	16.12	40	T J N
630-2-4	Octacosane	16.39	50	T J N
	Unknown	16.67	38	T J

Client: Olin Corporation

Job Number: 480-30106-1

Client Sample ID: **OC-SB-516-6.0/8.0-XXX**

Lab Sample ID: 480-30106-11

Client Matrix: Solid

% Moisture: 16.7

Date Sampled: 12/12/2012 1125

Date Received: 12/12/2012 1800

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

Analysis Method:	8270D	Analysis Batch:	480-96568	Instrument ID:	HP5973X
Prep Method:	3546	Prep Batch:	480-96302	Lab File ID:	X3178.D
Dilution:	1.0			Initial Weight/Volume:	000030.3 g
Analysis Date:	12/19/2012 2103			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	*	15	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		59	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	79
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: 480-30106-1

Client Sample ID: **OC-SB-516-6.0/8.0-XXX**

Lab Sample ID: 480-30106-11

Client Matrix: Solid

% Moisture: 16.7

Date Sampled: 12/12/2012 1125

Date Received: 12/12/2012 1800

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

Analysis Method:	8270D	Analysis Batch:	480-96568	Instrument ID:	HP5973X
Prep Method:	3546	Prep Batch:	480-96302	Lab File ID:	X3178.D
Dilution:	1.0			Initial Weight/Volume:	000030.3 g
Analysis Date:	12/19/2012 2103			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	79
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	79
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	79
3-Nitroaniline		ND		12	200
N-Nitrosodimethylamine		ND		12	40
Benzyl alcohol		ND		12	79
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	73		30 - 130
2-Fluorophenol	71		30 - 130
Nitrobenzene-d5	66		30 - 130
Phenol-d5	55		30 - 130
2-Fluorobiphenyl	81		30 - 130
p-Terphenyl-d14	96		30 - 130

Client: Olin Corporation

Job Number: 480-30106-1

Client Sample ID: **OC-SB-516-6.0/8.0-XXX**

Lab Sample ID: 480-30106-11

Client Matrix: Solid

% Moisture: 16.7

Date Sampled: 12/12/2012 1125

Date Received: 12/12/2012 1800

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

Analysis Method:	8270D	Analysis Batch:	480-96568	Instrument ID:	HP5973X
Prep Method:	3546	Prep Batch:	480-96302	Lab File ID:	X3178.D
Dilution:	1.0			Initial Weight/Volume:	000030.3 g
Analysis Date:	12/19/2012 2103			Final Weight/Volume:	1 mL
Prep Date:	12/18/2012 0812			Injection Volume:	1 uL

Tentatively Identified Compounds **Number TIC's Found:** **6**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	3.86	34	T J
	Unknown	4.21	4300	T J
	Unknown	4.23	28	T J
95-47-6	Benzene, 1,2-dimethyl-	4.66	48	T J N
	Unknown	6.35	27	T J
	Unknown	7.49	25	T J

Client: Olin Corporation | Job Number: 480-30106-1

Client Sample ID: **OC-SB-516-15/17-XXX**

Lab Sample ID: 480-30106-12 | Date Sampled: 12/12/2012 1140
Client Matrix: Solid | % Moisture: 21.6 | Date Received: 12/12/2012 1800

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

Analysis Method:	8270D	Analysis Batch:	480-96568	Instrument ID:	HP5973X
Prep Method:	3546	Prep Batch:	480-96302	Lab File ID:	X3179.D
Dilution:	1.0			Initial Weight/Volume:	000030.1 g
Analysis Date:	12/19/2012 2128			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		85	210
2,4,5-Trichlorophenol		ND		14	42
Aniline		ND		13	42
Hexachloroethane		ND		13	42
Dimethyl phthalate		ND		13	42
2,4-Dimethylphenol		ND	*	13	42
Isophorone		ND		13	42
Fluorene		ND		13	42
Dibenzofuran		ND		13	42
Acenaphthylene		ND		13	42
2,4-Dichlorophenol		ND		13	42
Benzo[g,h,i]perylene		ND		13	42
Hexachlorobenzene		ND		13	42
Di-n-octyl phthalate		ND		13	42
Hexachlorobutadiene		ND		13	42
Phenanthrene		ND		13	42
2-Nitrophenol		ND	*	17	42
Benzo[k]fluoranthene		ND		22	42
2,4-Dinitrophenol		ND	*	34	42
Anthracene		ND		13	42
2-Methylnaphthalene		ND		13	42
Di-n-butyl phthalate		ND		64	210
1,2,4-Trichlorobenzene		ND		13	42
Pyrene		ND		13	42
2,4-Dinitrotoluene		ND		13	42
Dibenz(a,h)anthracene		ND		13	42
1,3-Dichlorobenzene		ND		13	42
Nitrobenzene		ND		13	42
Naphthalene		ND		13	42
2,4,6-Trichlorophenol		ND		18	42
Pentachlorophenol		ND		13	42
Fluoranthene		ND		13	42
3,3'-Dichlorobenzidine		ND		15	85
4-Bromophenyl phenyl ether		ND		13	42
Diethyl phthalate		ND		14	42
2-Methylphenol		ND		13	42
1,2-Dichlorobenzene		ND		13	42
2,2'-oxybis[1-chloropropane]		ND		13	42
Acetophenone		ND		13	42
Bis(2-chloroethyl)ether		ND		13	42
Benzo[a]anthracene		ND		13	42
Indeno[1,2,3-cd]pyrene		ND		13	42
Butyl benzyl phthalate		ND		13	42
Chrysene		ND		13	42
Acenaphthene		ND		13	42
Benzo[b]fluoranthene		ND		13	42

Client: Olin Corporation

Job Number: 480-30106-1

Client Sample ID: **OC-SB-516-15/17-XXX**

Lab Sample ID: 480-30106-12

Client Matrix: Solid

% Moisture: 21.6

Date Sampled: 12/12/2012 1140

Date Received: 12/12/2012 1800

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

Analysis Method:	8270D	Analysis Batch:	480-96568	Instrument ID:	HP5973X
Prep Method:	3546	Prep Batch:	480-96302	Lab File ID:	X3179.D
Dilution:	1.0			Initial Weight/Volume:	000030.1 g
Analysis Date:	12/19/2012 2128			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	*	18	210
4-Chloroaniline		ND	*	38	85
2-Chlorophenol		ND		13	42
2,6-Dinitrotoluene		ND	*	36	42
Phenol		ND		13	42
3 & 4 Methylphenol		ND		13	42
1,4-Dichlorobenzene		ND		13	42
Bis(2-chloroethoxy)methane		ND		13	42
2-Chloronaphthalene		ND		13	42
N-Nitrosodi-n-propylamine		ND		13	42
4-Chlorophenyl phenyl ether		17	J	13	42
4-Chloro-3-methylphenol		ND		13	85
Benzo[a]pyrene		ND		13	42
4-Methylphenol		ND		13	42
4-Nitroaniline		ND		36	210
2-Nitroaniline		ND		53	210
Caprolactam		ND		13	42
Carbazole		ND		13	42
4,6-Dinitro-2-methylphenol		ND		41	210
1-Methylnaphthalene		ND		13	42
N-Nitrosodiphenylamine		ND		13	42
Atrazine		ND		13	42
Phenyl ether		43		13	42
Benzaldehyde		ND		13	42
Azobenzene		ND		13	42
Hexachlorocyclopentadiene		ND		13	85
3-Nitroaniline		ND		13	210
N-Nitrosodimethylamine		ND		13	42
Benzyl alcohol		ND		13	85
1,1'-Biphenyl		ND		13	42
2,3,4,6-Tetrachlorophenol		ND		13	42
Benzophenone		ND		13	42
Benzoic acid		ND		19	210
1,2,4,5-Tetrachlorobenzene		ND		13	42

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	66		30 - 130
2-Fluorophenol	55		30 - 130
Nitrobenzene-d5	60		30 - 130
Phenol-d5	62		30 - 130
2-Fluorobiphenyl	68		30 - 130
p-Terphenyl-d14	91		30 - 130

Client: Olin Corporation

Job Number: 480-30106-1

Client Sample ID: **OC-SB-516-15/17-XXX**

Lab Sample ID: 480-30106-12

Client Matrix: Solid

% Moisture: 21.6

Date Sampled: 12/12/2012 1140

Date Received: 12/12/2012 1800

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

Analysis Method:	8270D	Analysis Batch:	480-96568	Instrument ID:	HP5973X
Prep Method:	3546	Prep Batch:	480-96302	Lab File ID:	X3179.D
Dilution:	1.0			Initial Weight/Volume:	000030.1 g
Analysis Date:	12/19/2012 2128			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
	Unknown	3.85	43	T J
	Unknown	4.21	4400	T J
106-42-3	p-Xylene	4.65	39	T J N
	Unknown	6.34	28	T J

Client: Olin Corporation

Job Number: 480-30106-1

Client Sample ID: **OC-SB-517-0.0/1.0-XXX**

Lab Sample ID: 480-30106-13

Client Matrix: Solid

% Moisture: 9.0

Date Sampled: 12/12/2012 1215

Date Received: 12/12/2012 1800

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

Analysis Method:	8270D	Analysis Batch:	480-96568	Instrument ID:	HP5973X
Prep Method:	3546	Prep Batch:	480-96302	Lab File ID:	X3180.D
Dilution:	1.0			Initial Weight/Volume:	000030.4 g
Analysis Date:	12/19/2012 2154			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		2900	E	73	180
2,4,5-Trichlorophenol		ND		12	36
Aniline		ND		11	36
Hexachloroethane		ND		11	36
Dimethyl phthalate		ND		11	36
2,4-Dimethylphenol		ND	*	11	36
Isophorone		ND		11	36
Fluorene		ND		11	36
Dibenzofuran		ND		11	36
Acenaphthylene		ND		11	36
2,4-Dichlorophenol		ND		11	36
Benzo[g,h,i]perylene		ND		11	36
Hexachlorobenzene		ND		11	36
Di-n-octyl phthalate		ND		11	36
Hexachlorobutadiene		ND		11	36
Phenanthrene		ND		11	36
2-Nitrophenol		ND	*	14	36
Benzo[k]fluoranthene		ND		18	36
2,4-Dinitrophenol		ND	*	29	36
Anthracene		ND		11	36
2-Methylnaphthalene		ND		11	36
Di-n-butyl phthalate		ND		54	180
1,2,4-Trichlorobenzene		ND		11	36
Pyrene		ND		11	36
2,4-Dinitrotoluene		ND		11	36
Dibenz(a,h)anthracene		ND		11	36
1,3-Dichlorobenzene		ND		11	36
Nitrobenzene		ND		11	36
Naphthalene		ND		11	36
2,4,6-Trichlorophenol		ND		15	36
Pentachlorophenol		ND		11	36
Fluoranthene		ND		11	36
3,3'-Dichlorobenzidine		ND		13	72
4-Bromophenyl phenyl ether		ND		11	36
Diethyl phthalate		ND		12	36
2-Methylphenol		ND		11	36
1,2-Dichlorobenzene		ND		11	36
2,2'-oxybis[1-chloropropane]		ND		11	36
Acetophenone		ND		11	36
Bis(2-chloroethyl)ether		ND		11	36
Benzo[a]anthracene		ND		11	36
Indeno[1,2,3-cd]pyrene		ND		11	36
Butyl benzyl phthalate		ND		11	36
Chrysene		ND		11	36
Acenaphthene		ND		11	36
Benzo[b]fluoranthene		ND		11	36

Client: Olin Corporation

Job Number: 480-30106-1

Client Sample ID: **OC-SB-517-0.0/1.0-XXX**

Lab Sample ID: 480-30106-13

Client Matrix: Solid

% Moisture: 9.0

Date Sampled: 12/12/2012 1215

Date Received: 12/12/2012 1800

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

Analysis Method:	8270D	Analysis Batch:	480-96568	Instrument ID:	HP5973X
Prep Method:	3546	Prep Batch:	480-96302	Lab File ID:	X3180.D
Dilution:	1.0			Initial Weight/Volume:	000030.4 g
Analysis Date:	12/19/2012 2154			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	*	33	72
2-Chlorophenol		ND		11	36
2,6-Dinitrotoluene		ND	*	30	36
Phenol		ND		11	36
3 & 4 Methylphenol		ND		11	36
1,4-Dichlorobenzene		ND		11	36
Bis(2-chloroethoxy)methane		ND		11	36
2-Chloronaphthalene		ND		11	36
N-Nitrosodi-n-propylamine		ND		11	36
4-Chlorophenyl phenyl ether		ND		11	36
4-Chloro-3-methylphenol		ND		11	72
Benzo[a]pyrene		ND		11	36
4-Methylphenol		ND		11	36
4-Nitroaniline		ND		30	180
2-Nitroaniline		ND		46	180
Caprolactam		ND		11	36
Carbazole		ND		11	36
4,6-Dinitro-2-methylphenol		ND		35	180
1-Methylnaphthalene		ND		11	36
N-Nitrosodiphenylamine		ND		11	36
Atrazine		ND		11	36
Phenyl ether		ND		11	36
Benzaldehyde		ND		11	36
Azobenzene		ND		11	36
Hexachlorocyclopentadiene		ND		11	72
3-Nitroaniline		ND		11	180
N-Nitrosodimethylamine		ND		11	36
Benzyl alcohol		ND		11	72
1,1'-Biphenyl		ND		11	36
2,3,4,6-Tetrachlorophenol		ND		11	36
Benzophenone		ND		11	36
Benzoic acid		ND		16	180
1,2,4,5-Tetrachlorobenzene		ND		11	36

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	59		30 - 130
2-Fluorophenol	60		30 - 130
Nitrobenzene-d5	65		30 - 130
Phenol-d5	62		30 - 130
2-Fluorobiphenyl	78		30 - 130
p-Terphenyl-d14	61		30 - 130

Client: Olin Corporation

Job Number: 480-30106-1

Client Sample ID: **OC-SB-517-0.0/1.0-XXX**

Lab Sample ID: 480-30106-13

Client Matrix: Solid

% Moisture: 9.0

Date Sampled: 12/12/2012 1215

Date Received: 12/12/2012 1800

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

Analysis Method:	8270D	Analysis Batch:	480-96568	Instrument ID:	HP5973X
Prep Method:	3546	Prep Batch:	480-96302	Lab File ID:	X3180.D
Dilution:	1.0			Initial Weight/Volume:	000030.4 g
Analysis Date:	12/19/2012 2154			Final Weight/Volume:	1 mL
Prep Date:	12/18/2012 0812			Injection Volume:	1 uL

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

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	4.19	3000	T J
149-57-5	Hexanoic acid, 2-ethyl-	7.67	230	T J N
	Unknown	9.60	280	T J

Client: Olin Corporation

Job Number: 480-30106-1

Client Sample ID: **OC-SB-517-0.0/1.0-XXX**

Lab Sample ID: 480-30106-13

Client Matrix: Solid

% Moisture: 9.0

Date Sampled: 12/12/2012 1215

Date Received: 12/12/2012 1800

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:	X3201.D
Dilution:	20			Initial Weight/Volume:	000030.4 g
Analysis Date:	12/20/2012 1451	Run Type:	DL	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		12000		1500	3600
2,4,5-Trichlorophenol		ND		240	720
Aniline		ND		220	720
Hexachloroethane		ND		220	720
Dimethyl phthalate		ND		220	720
2,4-Dimethylphenol		ND	*	220	720
Isophorone		ND		220	720
Fluorene		ND		220	720
Dibenzofuran		ND		220	720
Acenaphthylene		ND		220	720
2,4-Dichlorophenol		ND		220	720
Benzo[g,h,i]perylene		ND		220	720
Hexachlorobenzene		ND		220	720
Di-n-octyl phthalate		ND		220	720
Hexachlorobutadiene		ND		220	720
Phenanthrene		ND		220	720
2-Nitrophenol		ND	*	280	720
Benzo[k]fluoranthene		ND		370	720
2,4-Dinitrophenol		ND	*	590	720
Anthracene		ND		220	720
2-Methylnaphthalene		ND		220	720
Di-n-butyl phthalate		ND		1100	3600
1,2,4-Trichlorobenzene		ND		220	720
Pyrene		ND		220	720
2,4-Dinitrotoluene		ND		220	720
Dibenz(a,h)anthracene		ND		220	720
1,3-Dichlorobenzene		ND		220	720
Nitrobenzene		ND		220	720
Naphthalene		ND		220	720
2,4,6-Trichlorophenol		ND		300	720
Pentachlorophenol		ND		220	720
Fluoranthene		ND		220	720
3,3'-Dichlorobenzidine		ND		260	1400
4-Bromophenyl phenyl ether		ND		220	720
Diethyl phthalate		ND		240	720
2-Methylphenol		ND		220	720
1,2-Dichlorobenzene		ND		220	720
2,2'-oxybis[1-chloropropane]		ND		220	720
Acetophenone		ND		220	720
Bis(2-chloroethyl)ether		ND		220	720
Benzo[a]anthracene		ND		220	720
Indeno[1,2,3-cd]pyrene		ND		220	720
Butyl benzyl phthalate		ND		220	720
Chrysene		ND		220	720
Acenaphthene		ND		220	720
Benzo[b]fluoranthene		ND		220	720

Client: Olin Corporation

Job Number: 480-30106-1

Client Sample ID: **OC-SB-517-0.0/1.0-XXX**

Lab Sample ID: 480-30106-13

Client Matrix: Solid

% Moisture: 9.0

Date Sampled: 12/12/2012 1215

Date Received: 12/12/2012 1800

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:	X3201.D
Dilution:	20			Initial Weight/Volume:	000030.4 g
Analysis Date:	12/20/2012 1451	Run Type:	DL	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	*	300	3600
4-Chloroaniline		ND	*	650	1400
2-Chlorophenol		ND		220	720
2,6-Dinitrotoluene		ND	*	610	720
Phenol		ND		220	720
3 & 4 Methylphenol		ND		220	720
1,4-Dichlorobenzene		ND		220	720
Bis(2-chloroethoxy)methane		ND		220	720
2-Chloronaphthalene		ND		220	720
N-Nitrosodi-n-propylamine		ND		220	720
4-Chlorophenyl phenyl ether		ND		220	720
4-Chloro-3-methylphenol		ND		220	1400
Benzo[a]pyrene		ND		220	720
4-Methylphenol		ND		220	720
4-Nitroaniline		ND		610	3600
2-Nitroaniline		ND		910	3600
Caprolactam		ND		220	720
Carbazole		ND		220	720
4,6-Dinitro-2-methylphenol		ND		690	3600
1-Methylnaphthalene		ND		220	720
N-Nitrosodiphenylamine		ND		220	720
Atrazine		ND		220	720
Phenyl ether		ND		220	720
Benzaldehyde		ND		220	720
Azobenzene		ND		220	720
Hexachlorocyclopentadiene		ND		220	1400
3-Nitroaniline		ND		220	3600
N-Nitrosodimethylamine		ND		220	720
Benzyl alcohol		ND		220	1400
1,1'-Biphenyl		ND		220	720
2,3,4,6-Tetrachlorophenol		ND		220	720
Benzophenone		ND		220	720
Benzoic acid		ND		330	3600

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	0	X	30 - 130
2-Fluorophenol	38		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: 480-30106-1

Client Sample ID: **OC-SB-517-0.0/1.0-XXX**

Lab Sample ID: 480-30106-13

Client Matrix: Solid

% Moisture: 9.0

Date Sampled: 12/12/2012 1215

Date Received: 12/12/2012 1800

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:	X3201.D
Dilution:	20			Initial Weight/Volume:	000030.4 g
Analysis Date:	12/20/2012 1451	Run Type:	DL	Final Weight/Volume:	1 mL
Prep Date:	12/18/2012 0812			Injection Volume:	1 uL

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

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	4.15	3700	T J

Client: Olin Corporation

Job Number: 480-30106-1

Client Sample ID: **OC-SB-517-6.0/8.0-XXX**

Lab Sample ID: 480-30106-14

Client Matrix: Solid

% Moisture: 9.9

Date Sampled: 12/12/2012 1220

Date Received: 12/12/2012 1800

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

Analysis Method:	8270D	Analysis Batch:	480-96568	Instrument ID:	HP5973X
Prep Method:	3546	Prep Batch:	480-96302	Lab File ID:	X3181.D
Dilution:	1.0			Initial Weight/Volume:	000030.2 g
Analysis Date:	12/19/2012 2219			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		1700	E	74	180
2,4,5-Trichlorophenol		ND		12	37
Aniline		ND		11	37
Hexachloroethane		ND		11	37
Dimethyl phthalate		ND		11	37
2,4-Dimethylphenol		ND	*	11	37
Isophorone		ND		11	37
Fluorene		ND		11	37
Dibenzofuran		ND		11	37
Acenaphthylene		ND		11	37
2,4-Dichlorophenol		ND		11	37
Benzo[g,h,i]perylene		ND		11	37
Hexachlorobenzene		ND		11	37
Di-n-octyl phthalate		ND		11	37
Hexachlorobutadiene		ND		11	37
Phenanthrene		ND		11	37
2-Nitrophenol		ND	*	14	37
Benzo[k]fluoranthene		ND		19	37
2,4-Dinitrophenol		ND	*	30	37
Anthracene		ND		11	37
2-Methylnaphthalene		ND		11	37
Di-n-butyl phthalate		ND		55	180
1,2,4-Trichlorobenzene		ND		11	37
Pyrene		ND		11	37
2,4-Dinitrotoluene		ND		11	37
Dibenz(a,h)anthracene		ND		11	37
1,3-Dichlorobenzene		ND		11	37
Nitrobenzene		ND		11	37
Naphthalene		ND		11	37
2,4,6-Trichlorophenol		ND		15	37
Pentachlorophenol		ND		11	37
Fluoranthene		ND		11	37
3,3'-Dichlorobenzidine		ND		13	74
4-Bromophenyl phenyl ether		ND		11	37
Diethyl phthalate		ND		12	37
2-Methylphenol		ND		11	37
1,2-Dichlorobenzene		ND		11	37
2,2'-oxybis[1-chloropropane]		ND		11	37
Acetophenone		ND		11	37
Bis(2-chloroethyl)ether		ND		11	37
Benzo[a]anthracene		ND		11	37
Indeno[1,2,3-cd]pyrene		ND		11	37
Butyl benzyl phthalate		ND		11	37
Chrysene		ND		11	37
Acenaphthene		ND		11	37
Benzo[b]fluoranthene		ND		11	37

Client: Olin Corporation

Job Number: 480-30106-1

Client Sample ID: **OC-SB-517-6.0/8.0-XXX**

Lab Sample ID: 480-30106-14

Client Matrix: Solid

% Moisture: 9.9

Date Sampled: 12/12/2012 1220

Date Received: 12/12/2012 1800

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

Analysis Method:	8270D	Analysis Batch:	480-96568	Instrument ID:	HP5973X
Prep Method:	3546	Prep Batch:	480-96302	Lab File ID:	X3181.D
Dilution:	1.0			Initial Weight/Volume:	000030.2 g
Analysis Date:	12/19/2012 2219			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	*	33	74
2-Chlorophenol		ND		11	37
2,6-Dinitrotoluene		ND	*	31	37
Phenol		ND		11	37
3 & 4 Methylphenol		ND		11	37
1,4-Dichlorobenzene		ND		11	37
Bis(2-chloroethoxy)methane		ND		11	37
2-Chloronaphthalene		ND		11	37
N-Nitrosodi-n-propylamine		ND		11	37
4-Chlorophenyl phenyl ether		ND		11	37
4-Chloro-3-methylphenol		ND		11	74
Benzo[a]pyrene		ND		11	37
4-Methylphenol		ND		11	37
4-Nitroaniline		ND		31	180
2-Nitroaniline		ND		46	180
Caprolactam		ND		11	37
Carbazole		ND		11	37
4,6-Dinitro-2-methylphenol		ND		35	180
1-Methylnaphthalene		ND		11	37
N-Nitrosodiphenylamine		ND		11	37
Atrazine		ND		11	37
Phenyl ether		ND		11	37
Benzaldehyde		ND		11	37
Azobenzene		ND		11	37
Hexachlorocyclopentadiene		ND		11	74
3-Nitroaniline		ND		11	180
N-Nitrosodimethylamine		ND		11	37
Benzyl alcohol		ND		11	74
1,1'-Biphenyl		ND		11	37
2,3,4,6-Tetrachlorophenol		ND		11	37
Benzophenone		ND		11	37
Benzoic acid		ND		17	180
1,2,4,5-Tetrachlorobenzene		ND		11	37

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	79		30 - 130
2-Fluorophenol	72		30 - 130
Nitrobenzene-d5	60		30 - 130
Phenol-d5	72		30 - 130
2-Fluorobiphenyl	89		30 - 130
p-Terphenyl-d14	73		30 - 130

Client: Olin Corporation

Job Number: 480-30106-1

Client Sample ID: **OC-SB-517-6.0/8.0-XXX**

Lab Sample ID: 480-30106-14

Client Matrix: Solid

% Moisture: 9.9

Date Sampled: 12/12/2012 1220

Date Received: 12/12/2012 1800

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

Analysis Method:	8270D	Analysis Batch:	480-96568	Instrument ID:	HP5973X
Prep Method:	3546	Prep Batch:	480-96302	Lab File ID:	X3181.D
Dilution:	1.0			Initial Weight/Volume:	000030.2 g
Analysis Date:	12/19/2012 2219			Final Weight/Volume:	1 mL
Prep Date:	12/18/2012 0812			Injection Volume:	1 uL

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

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	3.85	32	T J
	Unknown	4.21	3400	T J
	Unknown	4.65	21	T J
	Unknown	6.33	22	T J
	Unknown	9.61	36	T J
	Unknown	9.72	21	T J
	Unknown	15.30	44	T J

Client: Olin Corporation

Job Number: 480-30106-1

Client Sample ID: **OC-SB-517-6.0/8.0-XXX**

Lab Sample ID: 480-30106-14

Client Matrix: Solid

% Moisture: 9.9

Date Sampled: 12/12/2012 1220

Date Received: 12/12/2012 1800

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:	X3194.D
Dilution:	10			Initial Weight/Volume:	000030.2 g
Analysis Date:	12/20/2012 1152	Run Type:	DL	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		3300		740	1800
2,4,5-Trichlorophenol		ND		120	370
Aniline		ND		110	370
Hexachloroethane		ND		110	370
Dimethyl phthalate		ND		110	370
2,4-Dimethylphenol		ND	*	110	370
Isophorone		ND		110	370
Fluorene		ND		110	370
Dibenzofuran		ND		110	370
Acenaphthylene		ND		110	370
2,4-Dichlorophenol		ND		110	370
Benzo[g,h,i]perylene		ND		110	370
Hexachlorobenzene		ND		110	370
Di-n-octyl phthalate		ND		110	370
Hexachlorobutadiene		ND		110	370
Phenanthrene		ND		110	370
2-Nitrophenol		ND	*	140	370
Benzo[k]fluoranthene		ND		190	370
2,4-Dinitrophenol		ND	*	300	370
Anthracene		ND		110	370
2-Methylnaphthalene		ND		110	370
Di-n-butyl phthalate		ND		550	1800
1,2,4-Trichlorobenzene		ND		110	370
Pyrene		ND		110	370
2,4-Dinitrotoluene		ND		110	370
Dibenz(a,h)anthracene		ND		110	370
1,3-Dichlorobenzene		ND		110	370
Nitrobenzene		ND		110	370
Naphthalene		ND		110	370
2,4,6-Trichlorophenol		ND		150	370
Pentachlorophenol		ND		110	370
Fluoranthene		ND		110	370
3,3'-Dichlorobenzidine		ND		130	740
4-Bromophenyl phenyl ether		ND		110	370
Diethyl phthalate		ND		120	370
2-Methylphenol		ND		110	370
1,2-Dichlorobenzene		ND		110	370
2,2'-oxybis[1-chloropropane]		ND		110	370
Acetophenone		ND		110	370
Bis(2-chloroethyl)ether		ND		110	370
Benzo[a]anthracene		ND		110	370
Indeno[1,2,3-cd]pyrene		ND		110	370
Butyl benzyl phthalate		ND		110	370
Chrysene		ND		110	370
Acenaphthene		ND		110	370
Benzo[b]fluoranthene		ND		110	370

Client: Olin Corporation

Job Number: 480-30106-1

Client Sample ID: **OC-SB-517-6.0/8.0-XXX**

Lab Sample ID: 480-30106-14

Client Matrix: Solid

% Moisture: 9.9

Date Sampled: 12/12/2012 1220

Date Received: 12/12/2012 1800

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:	X3194.D
Dilution:	10			Initial Weight/Volume:	000030.2 g
Analysis Date:	12/20/2012 1152	Run Type:	DL	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	*	150	1800
4-Chloroaniline		ND	*	330	740
2-Chlorophenol		ND		110	370
2,6-Dinitrotoluene		ND	*	310	370
Phenol		ND		110	370
3 & 4 Methylphenol		ND		110	370
1,4-Dichlorobenzene		ND		110	370
Bis(2-chloroethoxy)methane		ND		110	370
2-Chloronaphthalene		ND		110	370
N-Nitrosodi-n-propylamine		ND		110	370
4-Chlorophenyl phenyl ether		ND		110	370
4-Chloro-3-methylphenol		ND		110	740
Benzo[a]pyrene		ND		110	370
4-Methylphenol		ND		110	370
4-Nitroaniline		ND		310	1800
2-Nitroaniline		ND		460	1800
Caprolactam		ND		110	370
Carbazole		ND		110	370
4,6-Dinitro-2-methylphenol		ND		350	1800
1-Methylnaphthalene		ND		110	370
N-Nitrosodiphenylamine		ND		110	370
Atrazine		ND		110	370
Phenyl ether		ND		110	370
Benzaldehyde		ND		110	370
Azobenzene		ND		110	370
Hexachlorocyclopentadiene		ND		110	740
3-Nitroaniline		ND		110	1800
N-Nitrosodimethylamine		ND		110	370
Benzyl alcohol		ND		110	740
1,1'-Biphenyl		ND		110	370
2,3,4,6-Tetrachlorophenol		ND		110	370
Benzophenone		ND		110	370
Benzoic acid		ND		170	1800
1,2,4,5-Tetrachlorobenzene		ND		110	370

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	80		30 - 130

Client: Olin Corporation

Job Number: 480-30106-1

Client Sample ID: **OC-SB-517-6.0/8.0-XXX**

Lab Sample ID: 480-30106-14

Client Matrix: Solid

% Moisture: 9.9

Date Sampled: 12/12/2012 1220

Date Received: 12/12/2012 1800

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:	X3194.D
Dilution:	10			Initial Weight/Volume:	000030.2 g
Analysis Date:	12/20/2012 1152	Run Type:	DL	Final Weight/Volume:	1 mL
Prep Date:	12/18/2012 0812			Injection Volume:	1 uL

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

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	4.14	4700	T J

Client: Olin Corporation

Job Number: 480-30106-1

Client Sample ID: **OC-SB-517-18/20-XXX**

Lab Sample ID: 480-30106-15

Client Matrix: Solid

% Moisture: 21.9

Date Sampled: 12/12/2012 1240

Date Received: 12/12/2012 1800

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

Analysis Method:	8270D	Analysis Batch:	480-96568	Instrument ID:	HP5973X
Prep Method:	3546	Prep Batch:	480-96302	Lab File ID:	X3182.D
Dilution:	1.0			Initial Weight/Volume:	000030.2 g
Analysis Date:	12/19/2012 2245			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		85	210
2,4,5-Trichlorophenol		ND		14	42
Aniline		ND		13	42
Hexachloroethane		ND		13	42
Dimethyl phthalate		ND		13	42
2,4-Dimethylphenol		ND	*	13	42
Isophorone		ND		13	42
Fluorene		ND		13	42
Dibenzofuran		ND		13	42
Acenaphthylene		ND		13	42
2,4-Dichlorophenol		ND		13	42
Benzo[g,h,i]perylene		ND		13	42
Hexachlorobenzene		ND		13	42
Di-n-octyl phthalate		ND		13	42
Hexachlorobutadiene		ND		13	42
Phenanthrene		ND		13	42
2-Nitrophenol		ND	*	17	42
Benzo[k]fluoranthene		ND		22	42
2,4-Dinitrophenol		ND	*	34	42
Anthracene		ND		13	42
2-Methylnaphthalene		ND		13	42
Di-n-butyl phthalate		ND		64	210
1,2,4-Trichlorobenzene		ND		13	42
Pyrene		ND		13	42
2,4-Dinitrotoluene		ND		13	42
Dibenz(a,h)anthracene		ND		13	42
1,3-Dichlorobenzene		ND		13	42
Nitrobenzene		ND		13	42
Naphthalene		ND		13	42
2,4,6-Trichlorophenol		ND		18	42
Pentachlorophenol		ND		13	42
Fluoranthene		ND		13	42
3,3'-Dichlorobenzidine		ND		15	85
4-Bromophenyl phenyl ether		ND		13	42
Diethyl phthalate		ND		14	42
2-Methylphenol		ND		13	42
1,2-Dichlorobenzene		ND		13	42
2,2'-oxybis[1-chloropropane]		ND		13	42
Acetophenone		ND		13	42
Bis(2-chloroethyl)ether		ND		13	42
Benzo[a]anthracene		ND		13	42
Indeno[1,2,3-cd]pyrene		ND		13	42
Butyl benzyl phthalate		ND		13	42
Chrysene		ND		13	42
Acenaphthene		ND		13	42
Benzo[b]fluoranthene		ND		13	42

Client: Olin Corporation

Job Number: 480-30106-1

Client Sample ID: **OC-SB-517-18/20-XXX**

Lab Sample ID: 480-30106-15

Client Matrix: Solid

% Moisture: 21.9

Date Sampled: 12/12/2012 1240

Date Received: 12/12/2012 1800

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

Analysis Method:	8270D	Analysis Batch:	480-96568	Instrument ID:	HP5973X
Prep Method:	3546	Prep Batch:	480-96302	Lab File ID:	X3182.D
Dilution:	1.0			Initial Weight/Volume:	000030.2 g
Analysis Date:	12/19/2012 2245			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	*	18	210
4-Chloroaniline		ND	*	38	85
2-Chlorophenol		ND		13	42
2,6-Dinitrotoluene		ND	*	36	42
Phenol		ND		13	42
3 & 4 Methylphenol		ND		13	42
1,4-Dichlorobenzene		ND		13	42
Bis(2-chloroethoxy)methane		ND		13	42
2-Chloronaphthalene		ND		13	42
N-Nitrosodi-n-propylamine		ND		13	42
4-Chlorophenyl phenyl ether		ND		13	42
4-Chloro-3-methylphenol		ND		13	85
Benzo[a]pyrene		ND		13	42
4-Methylphenol		ND		13	42
4-Nitroaniline		ND		36	210
2-Nitroaniline		ND		53	210
Caprolactam		ND		13	42
Carbazole		ND		13	42
4,6-Dinitro-2-methylphenol		ND		41	210
1-Methylnaphthalene		ND		13	42
N-Nitrosodiphenylamine		ND		13	42
Atrazine		ND		13	42
Phenyl ether		ND		13	42
Benzaldehyde		ND		13	42
Azobenzene		ND		13	42
Hexachlorocyclopentadiene		ND		13	85
3-Nitroaniline		ND		13	210
N-Nitrosodimethylamine		ND		13	42
Benzyl alcohol		ND		13	85
1,1'-Biphenyl		ND		13	42
2,3,4,6-Tetrachlorophenol		ND		13	42
Benzophenone		ND		13	42
Benzoic acid		ND		19	210
1,2,4,5-Tetrachlorobenzene		ND		13	42

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	93		30 - 130
2-Fluorophenol	89		30 - 130
Nitrobenzene-d5	79		30 - 130
Phenol-d5	90		30 - 130
2-Fluorobiphenyl	81		30 - 130
p-Terphenyl-d14	78		30 - 130

Client: Olin Corporation

Job Number: 480-30106-1

Client Sample ID: **OC-SB-517-18/20-XXX**

Lab Sample ID: 480-30106-15

Client Matrix: Solid

% Moisture: 21.9

Date Sampled: 12/12/2012 1240

Date Received: 12/12/2012 1800

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

Analysis Method:	8270D	Analysis Batch:	480-96568	Instrument ID:	HP5973X
Prep Method:	3546	Prep Batch:	480-96302	Lab File ID:	X3182.D
Dilution:	1.0			Initial Weight/Volume:	000030.2 g
Analysis Date:	12/19/2012 2245			Final Weight/Volume:	1 mL
Prep Date:	12/18/2012 0812			Injection Volume:	1 uL

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

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	3.86	59	T J
	Unknown	4.22	4900	T J
95-47-6	Benzene, 1,2-dimethyl-	4.66	31	T J N
	Unknown	6.34	28	T J
	Unknown	15.87	23	T J
112-95-8	Eicosane	16.40	48	T J N
629-78-7	Heptadecane	16.68	48	T J N

Client: Olin Corporation

Job Number: 480-30106-1

Client Sample ID: **OC-SB-514-0.0/1.0-XXX**

Lab Sample ID: 480-30106-4

Client Matrix: Solid

% Moisture: 22.8

Date Sampled: 12/12/2012 0850

Date Received: 12/12/2012 1800

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 1111			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	51		40 - 140
2-Bromonaphthalene	101		40 - 140
2-Fluorobiphenyl	102		40 - 140
o-Terphenyl	71		40 - 140

Client: Olin Corporation

Job Number: 480-30106-1

Client Sample ID: **OC-SB-514-0.0/1.0-XXX**

Lab Sample ID: 480-30106-4

Client Matrix: Solid

% Moisture: 22.8

Date Sampled: 12/12/2012 0850

Date Received: 12/12/2012 1800

MA-EPH Massachusetts - Extractable Petroleum Hydrocarbons (GC)

Analysis Method:	MA-EPH	Analysis Batch:	480-97835	Instrument ID:	HP7890-20
	N/A	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	
Analysis Date:	12/30/2012 2105			Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
C11-C22 Aromatics (Adjusted)		ND		4.3	4.3

Client: Olin Corporation

Job Number: 480-30106-1

Client Sample ID: **OC-SB-514-7.0/9.0-XXX**

Lab Sample ID: 480-30106-5

Client Matrix: Solid

% Moisture: 21.6

Date Sampled: 12/12/2012 0900

Date Received: 12/12/2012 1800

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:	000010.5 g
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	12/26/2012 1140			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	60		40 - 140
2-Bromonaphthalene	109		40 - 140
2-Fluorobiphenyl	110		40 - 140
o-Terphenyl	84		40 - 140

Client: Olin Corporation

Job Number: 480-30106-1

Client Sample ID: **OC-SB-514-7.0/9.0-XXX**

Lab Sample ID: 480-30106-5

Client Matrix: Solid

% Moisture: 21.6

Date Sampled: 12/12/2012 0900

Date Received: 12/12/2012 1800

MA-EPH Massachusetts - Extractable Petroleum Hydrocarbons (GC)

Analysis Method:	MA-EPH	Analysis Batch:	480-97835	Instrument ID:	HP7890-20
	N/A	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	
Analysis Date:	12/30/2012 2105			Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
C11-C22 Aromatics (Adjusted)		ND		4.2	4.2

Client: Olin Corporation

Job Number: 480-30106-1

Client Sample ID: **OC-SB-514-15/17-XXX**

Lab Sample ID: 480-30106-6

Client Matrix: Solid

% Moisture: 8.0

Date Sampled: 12/12/2012 0920

Date Received: 12/12/2012 1800

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 1210			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	58		40 - 140
2-Bromonaphthalene	103		40 - 140
2-Fluorobiphenyl	103		40 - 140
o-Terphenyl	83		40 - 140

Client: Olin Corporation

Job Number: 480-30106-1

Client Sample ID: **OC-SB-514-15/17-XXX**

Lab Sample ID: 480-30106-6

Client Matrix: Solid

% Moisture: 8.0

Date Sampled: 12/12/2012 0920

Date Received: 12/12/2012 1800

MA-EPH Massachusetts - Extractable Petroleum Hydrocarbons (GC)

Analysis Method:	MA-EPH	Analysis Batch:	480-97835	Instrument ID:	HP7890-20
	N/A	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	
Analysis Date:	12/30/2012 2105			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: 480-30106-1

Client Sample ID: **OC-SB-515-6.0/8.0-XXX**

Lab Sample ID: 480-30106-8

Client Matrix: Solid

% Moisture: 15.4

Date Sampled: 12/12/2012 1020

Date Received: 12/12/2012 1800

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 1239			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	59		40 - 140
2-Bromonaphthalene	106		40 - 140
2-Fluorobiphenyl	107		40 - 140
o-Terphenyl	82		40 - 140

Client: Olin Corporation

Job Number: 480-30106-1

Client Sample ID: **OC-SB-515-6.0/8.0-XXX**

Lab Sample ID: 480-30106-8

Client Matrix: Solid

% Moisture: 15.4

Date Sampled: 12/12/2012 1020

Date Received: 12/12/2012 1800

MA-EPH Massachusetts - Extractable Petroleum Hydrocarbons (GC)

Analysis Method:	MA-EPH	Analysis Batch:	480-97835	Instrument ID:	HP7890-20
	N/A	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	
Analysis Date:	12/30/2012 2105			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: 480-30106-1

Client Sample ID: **OC-SB-515-13/15-XXX**

Lab Sample ID: 480-30106-9

Client Matrix: Solid

% Moisture: 16.8

Date Sampled: 12/12/2012 1045

Date Received: 12/12/2012 1800

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:	000010.8 g
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	12/26/2012 1309			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	58		40 - 140
2-Bromonaphthalene	58		40 - 140
2-Fluorobiphenyl	108		40 - 140
o-Terphenyl	84		40 - 140

Client: Olin Corporation

Job Number: 480-30106-1

Client Sample ID: **OC-SB-515-13/15-XXX**

Lab Sample ID: 480-30106-9

Client Matrix: Solid

% Moisture: 16.8

Date Sampled: 12/12/2012 1045

Date Received: 12/12/2012 1800

MA-EPH Massachusetts - Extractable Petroleum Hydrocarbons (GC)

Analysis Method:	MA-EPH	Analysis Batch:	480-97835	Instrument ID:	HP7890-20
	N/A	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	
Analysis Date:	12/30/2012 2105			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: 480-30106-1

Client Sample ID: **OC-SB-516-6.0/8.0-XXX**

Lab Sample ID: 480-30106-11

Client Matrix: Solid

% Moisture: 16.7

Date Sampled: 12/12/2012 1125

Date Received: 12/12/2012 1800

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:	000010.5 g
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	12/26/2012 1338			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	59		40 - 140
2-Bromonaphthalene	105		40 - 140
2-Fluorobiphenyl	106		40 - 140
o-Terphenyl	85		40 - 140

Client: Olin Corporation

Job Number: 480-30106-1

Client Sample ID: **OC-SB-516-6.0/8.0-XXX**

Lab Sample ID: 480-30106-11

Client Matrix: Solid

% Moisture: 16.7

Date Sampled: 12/12/2012 1125

Date Received: 12/12/2012 1800

MA-EPH Massachusetts - Extractable Petroleum Hydrocarbons (GC)

Analysis Method:	MA-EPH	Analysis Batch:	480-97835	Instrument ID:	HP7890-20
	N/A	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	
Analysis Date:	12/30/2012 2105			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: 480-30106-1

Client Sample ID: **OC-SB-516-15/17-XXX**

Lab Sample ID: 480-30106-12

Client Matrix: Solid

% Moisture: 21.6

Date Sampled: 12/12/2012 1140

Date Received: 12/12/2012 1800

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 1407			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	53		40 - 140
2-Bromonaphthalene	111		40 - 140
2-Fluorobiphenyl	113		40 - 140
o-Terphenyl	85		40 - 140

Client: Olin Corporation

Job Number: 480-30106-1

Client Sample ID: **OC-SB-516-15/17-XXX**

Lab Sample ID: 480-30106-12

Client Matrix: Solid

% Moisture: 21.6

Date Sampled: 12/12/2012 1140

Date Received: 12/12/2012 1800

MA-EPH Massachusetts - Extractable Petroleum Hydrocarbons (GC)

Analysis Method:	MA-EPH	Analysis Batch:	480-97835	Instrument ID:	HP7890-20
	N/A	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	
Analysis Date:	12/30/2012 2105			Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
C11-C22 Aromatics (Adjusted)		ND		4.2	4.2

Client: Olin Corporation

Job Number: 480-30106-1

Client Sample ID: **OC-SB-517-0.0/1.0-XXX**

Lab Sample ID: 480-30106-13

Client Matrix: Solid

% Moisture: 9.0

Date Sampled: 12/12/2012 1215

Date Received: 12/12/2012 1800

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:	000010.8 g
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	12/26/2012 1507			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	53		40 - 140
2-Bromonaphthalene	108		40 - 140
2-Fluorobiphenyl	109		40 - 140
o-Terphenyl	76		40 - 140

Client: Olin Corporation

Job Number: 480-30106-1

Client Sample ID: **OC-SB-517-0.0/1.0-XXX**

Lab Sample ID: 480-30106-13

Client Matrix: Solid

% Moisture: 9.0

Date Sampled: 12/12/2012 1215

Date Received: 12/12/2012 1800

MA-EPH Massachusetts - Extractable Petroleum Hydrocarbons (GC)

Analysis Method:	MA-EPH	Analysis Batch:	480-97835	Instrument ID:	HP7890-20
	N/A	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	
Analysis Date:	12/30/2012 2105			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: 480-30106-1

Client Sample ID: **OC-SB-517-6.0/8.0-XXX**

Lab Sample ID: 480-30106-14

Client Matrix: Solid

% Moisture: 9.9

Date Sampled: 12/12/2012 1220

Date Received: 12/12/2012 1800

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:	000010.2 g
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	12/26/2012 1536			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	55		40 - 140
2-Bromonaphthalene	111		40 - 140
2-Fluorobiphenyl	112		40 - 140
o-Terphenyl	86		40 - 140

Client: Olin Corporation

Job Number: 480-30106-1

Client Sample ID: **OC-SB-517-6.0/8.0-XXX**

Lab Sample ID: 480-30106-14

Client Matrix: Solid

% Moisture: 9.9

Date Sampled: 12/12/2012 1220

Date Received: 12/12/2012 1800

MA-EPH Massachusetts - Extractable Petroleum Hydrocarbons (GC)

Analysis Method:	MA-EPH	Analysis Batch:	480-97835	Instrument ID:	HP7890-20
	N/A	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	
Analysis Date:	12/30/2012 2105			Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
C11-C22 Aromatics (Adjusted)		ND		3.7	3.7

Client: Olin Corporation

Job Number: 480-30106-1

Client Sample ID: **OC-SB-517-18/20-XXX**

Lab Sample ID: 480-30106-15

Client Matrix: Solid

% Moisture: 21.9

Date Sampled: 12/12/2012 1240

Date Received: 12/12/2012 1800

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 1605			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	58		40 - 140
2-Bromonaphthalene	111		40 - 140
2-Fluorobiphenyl	111		40 - 140
o-Terphenyl	85		40 - 140

Client: Olin Corporation

Job Number: 480-30106-1

Client Sample ID: **OC-SB-517-18/20-XXX**

Lab Sample ID: 480-30106-15

Client Matrix: Solid

% Moisture: 21.9

Date Sampled: 12/12/2012 1240

Date Received: 12/12/2012 1800

MA-EPH Massachusetts - Extractable Petroleum Hydrocarbons (GC)

Analysis Method:	MA-EPH	Analysis Batch:	480-97835	Instrument ID:	HP7890-20
	N/A	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	
Analysis Date:	12/30/2012 2105			Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
C11-C22 Aromatics (Adjusted)		ND		4.2	4.2

Client: Olin Corporation

Job Number: 480-30106-1

Client Sample ID: **OC-DUP-4**

Lab Sample ID: 480-30106-22

Client Matrix: Solid

% Moisture: 15.8

Date Sampled: 12/12/2012 0000

Date Received: 12/12/2012 1800

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:	000010.5 g
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	12/26/2012 1635			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	56		40 - 140
2-Bromonaphthalene	107		40 - 140
2-Fluorobiphenyl	108		40 - 140
o-Terphenyl	84		40 - 140

Client: Olin Corporation

Job Number: 480-30106-1

Client Sample ID: **OC-DUP-4**

Lab Sample ID: 480-30106-22

Client Matrix: Solid

% Moisture: 15.8

Date Sampled: 12/12/2012 0000

Date Received: 12/12/2012 1800

MA-EPH Massachusetts - Extractable Petroleum Hydrocarbons (GC)

Analysis Method:	MA-EPH	Analysis Batch:	480-97835	Instrument ID:	HP7890-20
	N/A	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	
Analysis Date:	12/30/2012 2105			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: 480-30106-1

Client Sample ID: **OC-SB-513-0.0/1.0-XXX**

Lab Sample ID: 480-30106-1

Client Matrix: Solid

% Moisture: 13.1

Date Sampled: 12/12/2012 0820

Date Received: 12/12/2012 1800

7199 Chromium, Hexavalent (IC)

Analysis Method:	7199	Analysis Batch:	440-76371	Instrument ID:	IC-16
Prep Method:	3060A	Prep Batch:	440-75585	Lab File ID:	Info
Dilution:	10			Initial Weight/Volume:	1.25 g
Analysis Date:	12/31/2012 1352			Final Weight/Volume:	50 mL
Prep Date:	12/27/2012 0926			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Cr (VI)		ND		0.17	0.23

Client: Olin Corporation

Job Number: 480-30106-1

Client Sample ID: **OC-SB-513-7.0/9.0-XXX**

Lab Sample ID: 480-30106-2

Client Matrix: Solid

% Moisture: 14.7

Date Sampled: 12/12/2012 0825

Date Received: 12/12/2012 1800

7199 Chromium, Hexavalent (IC)

Analysis Method:	7199	Analysis Batch:	440-76371	Instrument ID:	IC-16
Prep Method:	3060A	Prep Batch:	440-75585	Lab File ID:	Info
Dilution:	10			Initial Weight/Volume:	1.26 g
Analysis Date:	12/31/2012 1443			Final Weight/Volume:	50 mL
Prep Date:	12/27/2012 0926			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Cr (VI)		1.0		0.17	0.23

Client: Olin Corporation

Job Number: 480-30106-1

Client Sample ID: **OC-SB-513-10/12-XXX**

Lab Sample ID: 480-30106-3

Client Matrix: Solid

% Moisture: 15.5

Date Sampled: 12/12/2012 0830

Date Received: 12/12/2012 1800

7199 Chromium, Hexavalent (IC)

Analysis Method:	7199	Analysis Batch:	440-76371	Instrument ID:	IC-16
Prep Method:	3060A	Prep Batch:	440-75585	Lab File ID:	Info
Dilution:	10			Initial Weight/Volume:	1.26 g
Analysis Date:	12/31/2012 1455			Final Weight/Volume:	50 mL
Prep Date:	12/27/2012 0926			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Cr (VI)		0.47		0.18	0.23

Client: Olin Corporation

Job Number: 480-30106-1

Client Sample ID: **OC-SB-514-0.0/1.0-XXX**

Lab Sample ID: 480-30106-4

Client Matrix: Solid

% Moisture: 22.8

Date Sampled: 12/12/2012 0850

Date Received: 12/12/2012 1800

7199 Chromium, Hexavalent (IC)

Analysis Method:	7199	Analysis Batch:	440-76371	Instrument ID:	IC-16
Prep Method:	3060A	Prep Batch:	440-75585	Lab File ID:	Info
Dilution:	10			Initial Weight/Volume:	1.26 g
Analysis Date:	12/31/2012 1508			Final Weight/Volume:	50 mL
Prep Date:	12/27/2012 0926			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Cr (VI)		0.54		0.19	0.26

Client: Olin Corporation

Job Number: 480-30106-1

Client Sample ID: **OC-SB-514-7.0/9.0-XXX**

Lab Sample ID: 480-30106-5

Client Matrix: Solid

% Moisture: 21.6

Date Sampled: 12/12/2012 0900

Date Received: 12/12/2012 1800

7199 Chromium, Hexavalent (IC)

Analysis Method:	7199	Analysis Batch:	440-76371	Instrument ID:	IC-16
Prep Method:	3060A	Prep Batch:	440-75585	Lab File ID:	Info
Dilution:	10			Initial Weight/Volume:	1.24 g
Analysis Date:	12/31/2012 1521			Final Weight/Volume:	50 mL
Prep Date:	12/27/2012 0926			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Cr (VI)		0.21	J	0.19	0.26

Client: Olin Corporation

Job Number: 480-30106-1

Client Sample ID: **OC-SB-514-15/17-XXX**

Lab Sample ID: 480-30106-6

Client Matrix: Solid

% Moisture: 8.0

Date Sampled: 12/12/2012 0920

Date Received: 12/12/2012 1800

7199 Chromium, Hexavalent (IC)

Analysis Method:	7199	Analysis Batch:	440-76481	Instrument ID:	IC-16
Prep Method:	3060A	Prep Batch:	440-75585	Lab File ID:	Info
Dilution:	10			Initial Weight/Volume:	1.24 g
Analysis Date:	01/01/2013 1703			Final Weight/Volume:	50 mL
Prep Date:	12/27/2012 0926			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Cr (VI)		0.88		0.16	0.22

Client: Olin Corporation

Job Number: 480-30106-1

Client Sample ID: **OC-SB-517-0.0/1.0-XXX**

Lab Sample ID: 480-30106-13

Client Matrix: Solid

% Moisture: 9.0

Date Sampled: 12/12/2012 1215

Date Received: 12/12/2012 1800

7199 Chromium, Hexavalent (IC)

Analysis Method:	7199	Analysis Batch:	440-76481	Instrument ID:	IC-16
Prep Method:	3060A	Prep Batch:	440-75585	Lab File ID:	Info
Dilution:	10			Initial Weight/Volume:	1.25 g
Analysis Date:	01/01/2013 1753			Final Weight/Volume:	50 mL
Prep Date:	12/27/2012 0926			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Cr (VI)		1.2		0.16	0.22

Client: Olin Corporation

Job Number: 480-30106-1

Client Sample ID: **OC-SB-517-6.0/8.0-XXX**

Lab Sample ID: 480-30106-14

Client Matrix: Solid

% Moisture: 9.9

Date Sampled: 12/12/2012 1220

Date Received: 12/12/2012 1800

7199 Chromium, Hexavalent (IC)

Analysis Method:	7199	Analysis Batch:	440-76481	Instrument ID:	IC-16
Prep Method:	3060A	Prep Batch:	440-75585	Lab File ID:	Info
Dilution:	10			Initial Weight/Volume:	1.25 g
Analysis Date:	01/01/2013 1806			Final Weight/Volume:	50 mL
Prep Date:	12/27/2012 0926			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Cr (VI)		0.32		0.17	0.22

Client: Olin Corporation

Job Number: 480-30106-1

Client Sample ID: **OC-SB-517-18/20-XXX**

Lab Sample ID: 480-30106-15

Client Matrix: Solid

% Moisture: 21.9

Date Sampled: 12/12/2012 1240

Date Received: 12/12/2012 1800

7199 Chromium, Hexavalent (IC)

Analysis Method:	7199	Analysis Batch:	440-76481	Instrument ID:	IC-16
Prep Method:	3060A	Prep Batch:	440-75585	Lab File ID:	Info
Dilution:	10			Initial Weight/Volume:	1.24 g
Analysis Date:	01/01/2013 1819			Final Weight/Volume:	50 mL
Prep Date:	12/27/2012 0926			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Cr (VI)		8.0		0.19	0.26

Client: Olin Corporation

Job Number: 480-30106-1

Client Sample ID: **OC-SB-524-0.0/1.0-XXX**

Lab Sample ID: 480-30106-16

Client Matrix: Solid

% Moisture: 16.7

Date Sampled: 12/12/2012 1310

Date Received: 12/12/2012 1800

7199 Chromium, Hexavalent (IC)

Analysis Method:	7199	Analysis Batch:	440-76481	Instrument ID:	IC-16
Prep Method:	3060A	Prep Batch:	440-75585	Lab File ID:	Info
Dilution:	10			Initial Weight/Volume:	1.24 g
Analysis Date:	01/01/2013 1831			Final Weight/Volume:	50 mL
Prep Date:	12/27/2012 0926			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Cr (VI)		0.31		0.18	0.24

Client: Olin Corporation

Job Number: 480-30106-1

Client Sample ID: **OC-SB-524-8.0/10-XXX**

Lab Sample ID: 480-30106-17

Client Matrix: Solid

% Moisture: 16.6

Date Sampled: 12/12/2012 1320

Date Received: 12/12/2012 1800

7199 Chromium, Hexavalent (IC)

Analysis Method:	7199	Analysis Batch:	440-76481	Instrument ID:	IC-16
Prep Method:	3060A	Prep Batch:	440-75585	Lab File ID:	Info
Dilution:	10			Initial Weight/Volume:	1.24 g
Analysis Date:	01/01/2013 1844			Final Weight/Volume:	50 mL
Prep Date:	12/27/2012 0926			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Cr (VI)		0.34		0.18	0.24

Client: Olin Corporation

Job Number: 480-30106-1

Client Sample ID: **OC-SB-524-27/29-XXX**

Lab Sample ID: 480-30106-18

Client Matrix: Solid

% Moisture: 21.6

Date Sampled: 12/12/2012 1330

Date Received: 12/12/2012 1800

7199 Chromium, Hexavalent (IC)

Analysis Method:	7199	Analysis Batch:	440-76481	Instrument ID:	IC-16
Prep Method:	3060A	Prep Batch:	440-75585	Lab File ID:	Info
Dilution:	10			Initial Weight/Volume:	1.26 g
Analysis Date:	01/01/2013 1857			Final Weight/Volume:	50 mL
Prep Date:	12/27/2012 0926			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: 480-30106-1

Client Sample ID: **OC-SB-523-0.0/1.0-XXX**

Lab Sample ID: 480-30106-19

Client Matrix: Solid

% Moisture: 16.0

Date Sampled: 12/12/2012 1345

Date Received: 12/12/2012 1800

7199 Chromium, Hexavalent (IC)

Analysis Method:	7199	Analysis Batch:	440-76481	Instrument ID:	IC-16
Prep Method:	3060A	Prep Batch:	440-75585	Lab File ID:	Info
Dilution:	10			Initial Weight/Volume:	1.24 g
Analysis Date:	01/01/2013 1935			Final Weight/Volume:	50 mL
Prep Date:	12/27/2012 0926			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Cr (VI)		0.39		0.18	0.24

Client: Olin Corporation

Job Number: 480-30106-1

Client Sample ID: **OC-SB-523-6.0/8.0-XXX**

Lab Sample ID: 480-30106-20

Client Matrix: Solid

% Moisture: 11.1

Date Sampled: 12/12/2012 1350

Date Received: 12/12/2012 1800

7199 Chromium, Hexavalent (IC)

Analysis Method:	7199	Analysis Batch:	440-76481	Instrument ID:	IC-16
Prep Method:	3060A	Prep Batch:	440-75585	Lab File ID:	Info
Dilution:	10			Initial Weight/Volume:	1.25 g
Analysis Date:	01/01/2013 1947			Final Weight/Volume:	50 mL
Prep Date:	12/27/2012 0926			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Cr (VI)		0.17	J	0.17	0.23

Client: Olin Corporation

Job Number: 480-30106-1

Client Sample ID: **OC-SB-523-22/24-XXX**

Lab Sample ID: 480-30106-21

Client Matrix: Solid

% Moisture: 10.4

Date Sampled: 12/12/2012 1410

Date Received: 12/12/2012 1800

7199 Chromium, Hexavalent (IC)

Analysis Method:	7199	Analysis Batch:	440-76481	Instrument ID:	IC-16
Prep Method:	3060A	Prep Batch:	440-75585	Lab File ID:	Info
Dilution:	10			Initial Weight/Volume:	1.24 g
Analysis Date:	01/01/2013 2000			Final Weight/Volume:	50 mL
Prep Date:	12/27/2012 0926			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Cr (VI)		1.1		0.17	0.23

Client: Olin Corporation

Job Number: 480-30106-1

Client Sample ID: **OC-DUP-4**

Lab Sample ID: 480-30106-22

Client Matrix: Solid

% Moisture: 15.8

Date Sampled: 12/12/2012 0000

Date Received: 12/12/2012 1800

7199 Chromium, Hexavalent (IC)

Analysis Method:	7199	Analysis Batch:	440-76481	Instrument ID:	IC-16
Prep Method:	3060A	Prep Batch:	440-75585	Lab File ID:	Info
Dilution:	10			Initial Weight/Volume:	1.24 g
Analysis Date:	01/01/2013 2013			Final Weight/Volume:	50 mL
Prep Date:	12/27/2012 0926			Injection Volume:	1 uL

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

General Chemistry

Client Sample ID: **OC-SB-513-0.0/1.0-XXX**

Lab Sample ID: 480-30106-1

Client Matrix: Solid

Date Sampled: 12/12/2012 0820

Date Received: 12/12/2012 1800

Analyte	Result	Qual	Units	RL	RL	Dil	Method
pH-Soluble	7.30		SU	1.00	1.00	1.0	9045C
Analysis Batch: 360-97381	Analysis Date: 12/13/2012 0815						DryWt Corrected: N
Percent Moisture	13		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-95910	Analysis Date: 12/14/2012 1448						DryWt Corrected: N
Percent Solids	87		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-95910	Analysis Date: 12/14/2012 1448						DryWt Corrected: N
Oxidation Reduction Potential-Soluble	45		millivolts	0.010	0.010	1.0	SM 2580B
Analysis Batch: 360-97384	Analysis Date: 12/13/2012 0815						DryWt Corrected: N

General Chemistry

Client Sample ID: **OC-SB-513-7.0/9.0-XXX**

Lab Sample ID: 480-30106-2

Client Matrix: Solid

Date Sampled: 12/12/2012 0825

Date Received: 12/12/2012 1800

Analyte	Result	Qual	Units	RL	RL	Dil	Method
pH-Soluble	6.13		SU	1.00	1.00	1.0	9045C
Analysis Batch: 360-97381	Analysis Date: 12/13/2012 0818						DryWt Corrected: N
Percent Moisture	15		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-95910	Analysis Date: 12/14/2012 1448						DryWt Corrected: N
Percent Solids	85		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-95910	Analysis Date: 12/14/2012 1448						DryWt Corrected: N
Oxidation Reduction Potential-Soluble	32		millivolts	0.010	0.010	1.0	SM 2580B
Analysis Batch: 360-97384	Analysis Date: 12/13/2012 0818						DryWt Corrected: N

General Chemistry

Client Sample ID: **OC-SB-513-10/12-XXX**

Lab Sample ID: 480-30106-3

Client Matrix: Solid

Date Sampled: 12/12/2012 0830

Date Received: 12/12/2012 1800

Analyte	Result	Qual	Units	RL	RL	Dil	Method
pH-Soluble	7.08		SU	1.00	1.00	1.0	9045C
Analysis Batch: 360-97381	Analysis Date: 12/13/2012 0822						DryWt Corrected: N
Percent Moisture	15		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-95910	Analysis Date: 12/14/2012 1448						DryWt Corrected: N
Percent Solids	85		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-95910	Analysis Date: 12/14/2012 1448						DryWt Corrected: N
Oxidation Reduction Potential-Soluble	20		millivolts	0.010	0.010	1.0	SM 2580B
Analysis Batch: 360-97384	Analysis Date: 12/13/2012 0822						DryWt Corrected: N

General Chemistry

Client Sample ID: **OC-SB-514-0.0/1.0-XXX**

Lab Sample ID: 480-30106-4

Client Matrix: Solid

Date Sampled: 12/12/2012 0850

Date Received: 12/12/2012 1800

Analyte	Result	Qual	Units	RL	RL	Dil	Method
pH-Soluble	4.72		SU	1.00	1.00	1.0	9045C
Analysis Batch: 360-97381	Analysis Date: 12/13/2012 0833						DryWt Corrected: N
Percent Moisture	23		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-95910	Analysis Date: 12/14/2012 1448						DryWt Corrected: N
Percent Solids	77		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-95910	Analysis Date: 12/14/2012 1448						DryWt Corrected: N
Oxidation Reduction Potential-Soluble	57		millivolts	0.010	0.010	1.0	SM 2580B
Analysis Batch: 360-97384	Analysis Date: 12/13/2012 0833						DryWt Corrected: N

General Chemistry

Client Sample ID: **OC-SB-514-7.0/9.0-XXX**

Lab Sample ID: 480-30106-5

Client Matrix: Solid

Date Sampled: 12/12/2012 0900

Date Received: 12/12/2012 1800

Analyte	Result	Qual	Units	RL	RL	Dil	Method
pH-Soluble	5.21		SU	1.00	1.00	1.0	9045C
Analysis Batch: 360-97381	Analysis Date: 12/13/2012 0837						DryWt Corrected: N
Percent Moisture	22		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-95910	Analysis Date: 12/14/2012 1448						DryWt Corrected: N
Percent Solids	78		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-95910	Analysis Date: 12/14/2012 1448						DryWt Corrected: N
Oxidation Reduction Potential-Soluble	27		millivolts	0.010	0.010	1.0	SM 2580B
Analysis Batch: 360-97384	Analysis Date: 12/13/2012 0837						DryWt Corrected: N

General Chemistry

Client Sample ID: **OC-SB-514-15/17-XXX**

Lab Sample ID: 480-30106-6 Date Sampled: 12/12/2012 0920
Client Matrix: Solid Date Received: 12/12/2012 1800

Analyte	Result	Qual	Units	RL	RL	Dil	Method
pH-Soluble	6.85		SU	1.00	1.00	1.0	9045C
Analysis Batch: 360-97381	Analysis Date: 12/13/2012 0842						DryWt Corrected: N
Percent Moisture	8.0		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-95910	Analysis Date: 12/14/2012 1448						DryWt Corrected: N
Percent Solids	92		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-95910	Analysis Date: 12/14/2012 1448						DryWt Corrected: N
Oxidation Reduction Potential-Soluble	14		millivolts	0.010	0.010	1.0	SM 2580B
Analysis Batch: 360-97384	Analysis Date: 12/13/2012 0842						DryWt Corrected: N

General Chemistry

Client Sample ID: **OC-SB-515-6.0/8.0-XXX**

Lab Sample ID: 480-30106-8

Client Matrix: Solid

Date Sampled: 12/12/2012 1020

Date Received: 12/12/2012 1800

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	15		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-95910	Analysis Date: 12/14/2012 1448						DryWt Corrected: N
Percent Solids	85		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-95910	Analysis Date: 12/14/2012 1448						DryWt Corrected: N

General Chemistry

Client Sample ID: **OC-SB-515-13/15-XXX**

Lab Sample ID: 480-30106-9

Client Matrix: Solid

Date Sampled: 12/12/2012 1045

Date Received: 12/12/2012 1800

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	17		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-95910	Analysis Date: 12/14/2012 1448						DryWt Corrected: N
Percent Solids	83		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-95910	Analysis Date: 12/14/2012 1448						DryWt Corrected: N

General Chemistry

Client Sample ID: **OC-SB-516-6.0/8.0-XXX**

Lab Sample ID: 480-30106-11

Client Matrix: Solid

Date Sampled: 12/12/2012 1125

Date Received: 12/12/2012 1800

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	17		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-95910	Analysis Date: 12/14/2012 1448						DryWt Corrected: N
Percent Solids	83		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-95910	Analysis Date: 12/14/2012 1448						DryWt Corrected: N

General Chemistry

Client Sample ID: **OC-SB-516-15/17-XXX**

Lab Sample ID: 480-30106-12

Client Matrix: Solid

Date Sampled: 12/12/2012 1140

Date Received: 12/12/2012 1800

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	22		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 480-95910		Analysis Date: 12/14/2012 1448				DryWt Corrected: N
Percent Solids	78		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 480-95910		Analysis Date: 12/14/2012 1448				DryWt Corrected: N

General Chemistry

Client Sample ID: **OC-SB-517-0.0/1.0-XXX**

Lab Sample ID: 480-30106-13

Client Matrix: Solid

Date Sampled: 12/12/2012 1215

Date Received: 12/12/2012 1800

Analyte	Result	Qual	Units	RL	RL	Dil	Method
pH-Soluble	4.82		SU	1.00	1.00	1.0	9045C
Analysis Batch: 360-97381	Analysis Date: 12/13/2012 0846						DryWt Corrected: N
Percent Moisture	9.0		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-95910	Analysis Date: 12/14/2012 1448						DryWt Corrected: N
Percent Solids	91		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-95910	Analysis Date: 12/14/2012 1448						DryWt Corrected: N
Oxidation Reduction Potential-Soluble	42		millivolts	0.010	0.010	1.0	SM 2580B
Analysis Batch: 360-97384	Analysis Date: 12/13/2012 0846						DryWt Corrected: N

General Chemistry

Client Sample ID: **OC-SB-517-6.0/8.0-XXX**

Lab Sample ID: 480-30106-14

Client Matrix: Solid

Date Sampled: 12/12/2012 1220

Date Received: 12/12/2012 1800

Analyte	Result	Qual	Units	RL	RL	Dil	Method
pH-Soluble	5.56		SU	1.00	1.00	1.0	9045C
Analysis Batch: 360-97381	Analysis Date: 12/13/2012 0850						DryWt Corrected: N
Percent Moisture	9.9		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-95910	Analysis Date: 12/14/2012 1448						DryWt Corrected: N
Percent Solids	90		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-95910	Analysis Date: 12/14/2012 1448						DryWt Corrected: N
Oxidation Reduction Potential-Soluble	20		millivolts	0.010	0.010	1.0	SM 2580B
Analysis Batch: 360-97384	Analysis Date: 12/13/2012 0850						DryWt Corrected: N

General Chemistry

Client Sample ID: **OC-SB-517-18/20-XXX**

Lab Sample ID: 480-30106-15

Client Matrix: Solid

Date Sampled: 12/12/2012 1240

Date Received: 12/12/2012 1800

Analyte	Result	Qual	Units	RL	RL	Dil	Method
pH-Soluble	6.36		SU	1.00	1.00	1.0	9045C
Analysis Batch: 360-97381	Analysis Date: 12/13/2012 0853						DryWt Corrected: N
Percent Moisture	22		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-95910	Analysis Date: 12/14/2012 1448						DryWt Corrected: N
Percent Solids	78		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-95910	Analysis Date: 12/14/2012 1448						DryWt Corrected: N
Oxidation Reduction Potential-Soluble	5.0		millivolts	0.010	0.010	1.0	SM 2580B
Analysis Batch: 360-97384	Analysis Date: 12/13/2012 0853						DryWt Corrected: N

General Chemistry

Client Sample ID: **OC-SB-524-0.0/1.0-XXX**

Lab Sample ID: 480-30106-16

Client Matrix: Solid

Date Sampled: 12/12/2012 1310

Date Received: 12/12/2012 1800

Analyte	Result	Qual	Units	RL	RL	Dil	Method
pH-Soluble	7.37		SU	1.00	1.00	1.0	9045C
Analysis Batch: 360-97381	Analysis Date: 12/13/2012 0859						DryWt Corrected: N
Percent Moisture	17		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-95910	Analysis Date: 12/14/2012 1448						DryWt Corrected: N
Percent Solids	83		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-95910	Analysis Date: 12/14/2012 1448						DryWt Corrected: N
Oxidation Reduction Potential-Soluble	7.0		millivolts	0.010	0.010	1.0	SM 2580B
Analysis Batch: 360-97384	Analysis Date: 12/13/2012 0859						DryWt Corrected: N

General Chemistry

Client Sample ID: **OC-SB-524-8.0/10-XXX**

Lab Sample ID: 480-30106-17 Date Sampled: 12/12/2012 1320
Client Matrix: Solid Date Received: 12/12/2012 1800

Analyte	Result	Qual	Units	RL	RL	Dil	Method
pH-Soluble	6.78		SU	1.00	1.00	1.0	9045C
Analysis Batch: 360-97381	Analysis Date: 12/13/2012 0906						DryWt Corrected: N
Percent Moisture	17		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-95910	Analysis Date: 12/14/2012 1448						DryWt Corrected: N
Percent Solids	83		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-95910	Analysis Date: 12/14/2012 1448						DryWt Corrected: N
Oxidation Reduction Potential-Soluble	14		millivolts	0.010	0.010	1.0	SM 2580B
Analysis Batch: 360-97384	Analysis Date: 12/13/2012 0906						DryWt Corrected: N

General Chemistry

Client Sample ID: **OC-SB-524-27/29-XXX**

Lab Sample ID: 480-30106-18

Client Matrix: Solid

Date Sampled: 12/12/2012 1330

Date Received: 12/12/2012 1800

Analyte	Result	Qual	Units	RL	RL	Dil	Method
pH-Soluble	6.89		SU	1.00	1.00	1.0	9045C
Analysis Batch: 360-97381	Analysis Date: 12/13/2012 0910						DryWt Corrected: N
Percent Moisture	22		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-95910	Analysis Date: 12/14/2012 1448						DryWt Corrected: N
Percent Solids	78		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-95910	Analysis Date: 12/14/2012 1448						DryWt Corrected: N
Oxidation Reduction Potential-Soluble	10		millivolts	0.010	0.010	1.0	SM 2580B
Analysis Batch: 360-97384	Analysis Date: 12/13/2012 0910						DryWt Corrected: N

General Chemistry

Client Sample ID: **OC-SB-523-0.0/1.0-XXX**

Lab Sample ID: 480-30106-19

Client Matrix: Solid

Date Sampled: 12/12/2012 1345

Date Received: 12/12/2012 1800

Analyte	Result	Qual	Units	RL	RL	Dil	Method
pH-Soluble	6.55		SU	1.00	1.00	1.0	9045C
Analysis Batch: 360-97381	Analysis Date: 12/13/2012 0914						DryWt Corrected: N
Percent Moisture	16		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-95910	Analysis Date: 12/14/2012 1448						DryWt Corrected: N
Percent Solids	84		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-95910	Analysis Date: 12/14/2012 1448						DryWt Corrected: N
Oxidation Reduction Potential-Soluble	14		millivolts	0.010	0.010	1.0	SM 2580B
Analysis Batch: 360-97384	Analysis Date: 12/13/2012 0914						DryWt Corrected: N

General Chemistry

Client Sample ID: **OC-SB-523-6.0/8.0-XXX**

Lab Sample ID: 480-30106-20

Client Matrix: Solid

Date Sampled: 12/12/2012 1350

Date Received: 12/12/2012 1800

Analyte	Result	Qual	Units	RL	RL	Dil	Method
pH-Soluble	6.17		SU	1.00	1.00	1.0	9045C
Analysis Batch: 360-97381	Analysis Date: 12/13/2012 0919						DryWt Corrected: N
Percent Moisture	11		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-95910	Analysis Date: 12/14/2012 1448						DryWt Corrected: N
Percent Solids	89		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-95910	Analysis Date: 12/14/2012 1448						DryWt Corrected: N
Oxidation Reduction Potential-Soluble	21		millivolts	0.010	0.010	1.0	SM 2580B
Analysis Batch: 360-97384	Analysis Date: 12/13/2012 0919						DryWt Corrected: N

General Chemistry

Client Sample ID: **OC-SB-523-22/24-XXX**

Lab Sample ID: 480-30106-21

Client Matrix: Solid

Date Sampled: 12/12/2012 1410

Date Received: 12/12/2012 1800

Analyte	Result	Qual	Units	RL	RL	Dil	Method
pH-Soluble	6.49		SU	1.00	1.00	1.0	9045C
Analysis Batch: 360-97381	Analysis Date: 12/13/2012 0922						DryWt Corrected: N
Percent Moisture	10		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-95910	Analysis Date: 12/14/2012 1448						DryWt Corrected: N
Percent Solids	90		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-95910	Analysis Date: 12/14/2012 1448						DryWt Corrected: N
Oxidation Reduction Potential-Soluble	30		millivolts	0.010	0.010	1.0	SM 2580B
Analysis Batch: 360-97384	Analysis Date: 12/13/2012 0922						DryWt Corrected: N

General Chemistry

Client Sample ID: **OC-DUP-4**

Lab Sample ID: 480-30106-22

Client Matrix: Solid

Date Sampled: 12/12/2012 0000

Date Received: 12/12/2012 1800

Analyte	Result	Qual	Units	RL	RL	Dil	Method
pH-Soluble	5.49		SU	1.00	1.00	1.0	9045C
Analysis Batch: 360-97381	Analysis Date: 12/13/2012 0928						DryWt Corrected: N
Percent Moisture	16		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-95910	Analysis Date: 12/14/2012 1448						DryWt Corrected: N
Percent Solids	84		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-95910	Analysis Date: 12/14/2012 1448						DryWt Corrected: N
Oxidation Reduction Potential-Soluble	32		millivolts	0.010	0.010	1.0	SM 2580B
Analysis Batch: 360-97384	Analysis Date: 12/13/2012 0928						DryWt Corrected: N

Client: Olin Corporation

Job Number: 480-30106-1

Surrogate Recovery Report

8260C Volatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCA %Rec	TOL %Rec	BFB %Rec
480-30106-4	OC-SB-514-0.0/1.0-XXX	119	116	113
480-30106-8	OC-SB-515-6.0/8.0-XXX	119	118	116
480-30106-9	OC-SB-515-13/15-XXX	118	115	115
480-30106-11	OC-SB-516-6.0/8.0-XXX	117	118	116
480-30106-12	OC-SB-516-15/17-XXX	116	118	116
480-30106-13	OC-SB-517-0.0/1.0-XXX	114	116	113
480-30106-14	OC-SB-517-6.0/8.0-XXX	117	117	113
480-30106-15	OC-SB-517-18/20-XXX	121	114	111
MB 480-96335/2-A		119	117	113
LCS 480-96335/1-A		120	116	115
LCSD 480-96335/15-A		119	116	120

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: 480-30106-1

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
480-30106-4	OC-SB-514-0.0/1.0-XXX	67	54	53	89	74	73
480-30106-5	OC-SB-514-7.0/9.0-XXX	71	52	49	76	85	98
480-30106-6	OC-SB-514-15/17-XXX	70	67	78	77	81	102
480-30106-8	OC-SB-515-6.0/8.0-XXX	74	55	68	84	66	94
480-30106-9	OC-SB-515-13/15-XXX	88	83	68	81	87	117
480-30106-11	OC-SB-516-6.0/8.0-XXX	71	55	66	81	73	96
480-30106-12	OC-SB-516-15/17-XXX	55	62	60	68	66	91
480-30106-13	OC-SB-517-0.0/1.0-XXX	60	62	65	78	59	61
480-30106-13 DL	OC-SB-517-0.0/1.0-XXX DL	38	0X	0X	0X	0X	0X
480-30106-14	OC-SB-517-6.0/8.0-XXX	72	72	60	89	79	73
480-30106-14 DL	OC-SB-517-6.0/8.0-XXX DL	0X	0X	0X	0X	0X	80
480-30106-15	OC-SB-517-18/20-XXX	89	90	79	81	93	78
MB 480-96302/1-A		78	71	50	77	77	97
MB 480-96561/1-A		81	77	103	96	90	92
LCS 480-96302/2-A		72	68	68	82	75	96
LCS 480-96561/2-A		77	86	86	97	84	91
LCSD 480-96302/3-A		75	76	80	87	85	107
LCSD 480-96561/3-A		81	97	87	96	90	88
480-30106-6 MS	OC-SB-514-15/17-XXX MS	70	77	67	77	71	104
480-30106-6 MSD	OC-SB-514-15/17-XXX MSD	63	70	66	72	73	98

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: 480-30106-1

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
480-30106-4	OC-SB-514-0.0/1.0-XXX	102	101	71	51
480-30106-5	OC-SB-514-7.0/9.0-XXX	110	109	84	60
480-30106-6	OC-SB-514-15/17-XXX	103	103	83	58
480-30106-8	OC-SB-515-6.0/8.0-XXX	107	106	82	59
480-30106-9	OC-SB-515-13/15-XXX	108	58	84	58
480-30106-11	OC-SB-516-6.0/8.0-XXX	106	105	85	59
480-30106-12	OC-SB-516-15/17-XXX	113	111	85	53
480-30106-13	OC-SB-517-0.0/1.0-XXX	109	108	76	53
480-30106-14	OC-SB-517-6.0/8.0-XXX	112	111	86	55
480-30106-15	OC-SB-517-18/20-XXX	111	111	85	58
480-30106-22	OC-DUP-4	108	107	84	56
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: 480-30106-1

Method Blank - Batch: 480-96335

Method: 8260C
Preparation: 5035

Lab Sample ID:	MB 480-96335/2-A	Analysis Batch:	480-96317	Instrument ID:	HP5975T
Client Matrix:	Solid	Prep Batch:	480-96335	Lab File ID:	T4479.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.1 g
Analysis Date:	12/18/2012 1216	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	12/18/2012 0904				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
2,4,4-Trimethyl-1-pentene	ND		42	490
2,4,4-Trimethyl-2-pentene	ND		52	490

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	117	70 - 130
1,2-Dichloroethane-d4 (Surr)	119	70 - 130
4-Bromofluorobenzene (Surr)	113	70 - 130

Method Blank TICs- Batch: 480-96335

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

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 480-96335

Method: 8260C
Preparation: 5035

LCS Lab Sample ID:	LCS 480-96335/1-A	Analysis Batch:	480-96317	Instrument ID:	HP5975T
Client Matrix:	Solid	Prep Batch:	480-96335	Lab File ID:	T4476.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.04 g
Analysis Date:	12/18/2012 1104	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	12/18/2012 0904				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 480-96335/15-A	Analysis Batch:	480-96317	Instrument ID:	HP5975T
Client Matrix:	Solid	Prep Batch:	480-96335	Lab File ID:	T4477.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.01 g
Analysis Date:	12/18/2012 1129	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	12/18/2012 0910				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
2,4,4-Trimethyl-1-pentene	95	91	70 - 130	4	20		
2,4,4-Trimethyl-2-pentene	110	108	70 - 130	2	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Toluene-d8 (Surr)	116	116	70 - 130
1,2-Dichloroethane-d4 (Surr)	120	119	70 - 130
4-Bromofluorobenzene (Surr)	115	120	70 - 130

Client: Olin Corporation

Job Number: 480-30106-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 480-96335

Method: 8260C
Preparation: 5035

LCS Lab Sample ID:	LCS 480-96335/1-A	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 480-96335/15-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	12/18/2012 1104			Analysis Date:	12/18/2012 1129
Prep Date:	12/18/2012 0904			Prep Date:	12/18/2012 0910
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	2480	2500	2350	2270
2,4,4-Trimethyl-2-pentene	2480	2500	2740	2690

Client: Olin Corporation

Job Number: 480-30106-1

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
N-Nitrosodi-n-propylamine	ND		9.9	33
4-Chlorophenyl phenyl ether	ND		9.9	33
4-Chloro-3-methylphenol	ND		9.9	66
2,4-Dimethylphenol	ND		9.9	33
Isophorone	ND		9.9	33
Benzo[a]pyrene	ND		9.9	33
Fluorene	ND		9.9	33
4-Methylphenol	ND		9.9	33
Dibenzofuran	ND		9.9	33
4-Nitroaniline	ND		28	170
Acenaphthylene	ND		9.9	33
2,4-Dichlorophenol	ND		9.9	33
2-Nitroaniline	ND		42	170
Benzo[g,h,i]perylene	ND		9.9	33
Hexachlorobenzene	ND		9.9	33
Caprolactam	ND		9.9	33
Di-n-octyl phthalate	ND		9.9	33
Hexachlorobutadiene	ND		9.9	33
Carbazole	ND		9.9	33
Phenanthrene	ND		9.9	33
4,6-Dinitro-2-methylphenol	ND		32	170
2-Nitrophenol	ND		13	33
Benzo[k]fluoranthene	ND		17	33
2,4-Dinitrophenol	ND		27	33
1-Methylnaphthalene	ND		9.9	33
Anthracene	ND		9.9	33
N-Nitrosodiphenylamine	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
Atrazine	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
Phenyl ether	ND		9.9	33
Nitrobenzene	ND		9.9	33
Benzaldehyde	ND		9.9	33
Naphthalene	ND		9.9	33
Azobenzene	ND		9.9	33

Client: Olin Corporation

Job Number: 480-30106-1

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
2,4,6-Trichlorophenol	ND		14	33
Hexachlorocyclopentadiene	ND		9.9	66
3-Nitroaniline	ND		9.9	170
Pentachlorophenol	ND		9.9	33
Fluoranthene	ND		9.9	33
N-Nitrosodimethylamine	ND		9.9	33
3,3'-Dichlorobenzidine	ND		12	66
4-Bromophenyl phenyl ether	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
Diethyl phthalate	ND		11	33
Benzoic acid	ND		15	170
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
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
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: 480-30106-1

Method Blank TICs- Batch: 480-96302

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

Client: Olin Corporation

Job Number: 480-30106-1

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		
N-Nitrosodi-n-propylamine	69	73		6			
4-Chlorophenyl phenyl ether	73	82		13			
2,4-Dimethylphenol	63	99	30 - 130	45	30		*
4-Chloro-3-methylphenol	80	92		15		J	J
Isophorone	77	90	40 - 140	16	30		
Benzo[a]pyrene	78	85	40 - 140	9	30		
Fluorene	71	83	40 - 140	17	30		
4-Methylphenol	74	110		40			
4-Nitroaniline	74	87		17		J	J
Dibenzofuran	76	88	40 - 140	15	30		
Acenaphthylene	76	93	40 - 140	22	30		
2,4-Dichlorophenol	76	85	30 - 130	12	30		
2-Nitroaniline	83	84		2		J	J
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		*
4,6-Dinitro-2-methylphenol	85	89		6		J	J
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		
N-Nitrosodiphenylamine	37	39		4		J	J
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		

Client: Olin Corporation

Job Number: 480-30106-1

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
Nitrobenzene	73	76	40 - 140	5	30		
Azobenzene	95	100	40 - 140	6	30		
Naphthalene	75	82	40 - 140	11	30		
2,4,6-Trichlorophenol	82	83	30 - 130	2	30		
Hexachlorocyclopentadiene	54	67		23		J	J
3-Nitroaniline	54	59		9		J	J
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
N-Nitrosodimethylamine	47	67		35		J	
4-Bromophenyl phenyl ether	82	92	40 - 140	12	30		
Benzyl alcohol	3	0		200			
Diethyl phthalate	78	82	40 - 140	7	30		
Benzoic acid	108	115		7		J	J
2-Methylphenol	68	77	30 - 130	14	30		
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	

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: 480-30106-1

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: 480-30106-1

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	
N-Nitrosodi-n-propylamine	65.6	66.2	45.3		48.2	
4-Chlorophenyl phenyl ether	65.6	66.2	47.8		54.6	
2,4-Dimethylphenol	65.6	66.2	41.5		65.6	*
4-Chloro-3-methylphenol	65.6	66.2	52.6	J	61.1	J
Isophorone	65.6	66.2	50.7		59.3	
Benzo[a]pyrene	65.6	66.2	51.3		56.2	
Fluorene	65.6	66.2	46.6		55.0	
4-Methylphenol	65.6	66.2	48.7		72.8	
4-Nitroaniline	65.6	66.2	48.3	J	57.4	J
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	
2-Nitroaniline	65.6	66.2	54.4	J	55.7	J
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	*
4,6-Dinitro-2-methylphenol	65.6	66.2	55.7	J	59.1	J
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	
N-Nitrosodiphenylamine	65.6	66.2	24.5	J	25.6	J
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	
Azobenzene	65.6	66.2	62.2		66.0	
Naphthalene	65.6	66.2	48.9		54.4	

Client: Olin Corporation

Job Number: 480-30106-1

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	
2,4,6-Trichlorophenol	65.6	66.2	53.9		54.9	
Hexachlorocyclopentadiene	65.6	66.2	35.3	J	44.6	J
3-Nitroaniline	65.6	66.2	35.7	J	39.1	J
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
N-Nitrosodimethylamine	65.6	66.2	31.1	J	44.1	
4-Bromophenyl phenyl ether	65.6	66.2	54.1		61.2	
Benzyl alcohol	65.6	66.2	ND		ND	
Diethyl phthalate	65.6	66.2	51.0		54.6	
Benzoic acid	65.6	66.2	70.6	J	76.1	J
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	
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	

Client: Olin Corporation

Job Number: 480-30106-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-96302

Method: 8270D
Preparation: 3546

MS Lab Sample ID:	480-30106-6	Analysis Batch:	480-96568	Instrument ID:	HP5973X
Client Matrix:	Solid	Prep Batch:	480-96302	Lab File ID:	X3172.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	000030.2 g
Analysis Date:	12/19/2012 1829			Final Weight/Volume:	1 mL
Prep Date:	12/18/2012 0812			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	480-30106-6	Analysis Batch:	480-96568	Instrument ID:	HP5973X
Client Matrix:	Solid	Prep Batch:	480-96302	Lab File ID:	X3173.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	000030.4 g
Analysis Date:	12/19/2012 1855			Final Weight/Volume:	1 mL
Prep Date:	12/18/2012 0812			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Bis(2-ethylhexyl) phthalate	NC	NC	40 - 140	NC	30		J
2,4,5-Trichlorophenol	64	0	30 - 130	NC	30		F
Aniline	52	52	40 - 140	1	30		
Hexachloroethane	73	69	40 - 140	6	30		
Dimethyl phthalate	79	75	40 - 140	6	30		
2,4-Dimethylphenol	58	60	30 - 130	2	30		
Isophorone	82	73	40 - 140	12	30		
Fluorene	79	75	40 - 140	7	30		
Dibenzofuran	81	83	40 - 140	3	30		
Acenaphthylene	77	82	40 - 140	6	30		
2,4-Dichlorophenol	44	34	30 - 130	27	30	J	J
Benzo[g,h,i]perylene	96	85	40 - 140	14	30		
Hexachlorobenzene	97	78	40 - 140	22	30		
Di-n-octyl phthalate	83	78	40 - 140	7	30		
Hexachlorobutadiene	73	72	40 - 140	2	30		
Phenanthrene	94	82	40 - 140	15	30		
2-Nitrophenol	52	61	30 - 130	14	30		
Benzo[k]fluoranthene	98	84	40 - 140	16	30		
2,4-Dinitrophenol	0	0	30 - 130	NC	30	F	F
Anthracene	88	80	40 - 140	10	30		
2-Methylnaphthalene	86	84	40 - 140	2	30		
Di-n-butyl phthalate	91	85	40 - 140	7	30	J	J
1,2,4-Trichlorobenzene	74	66	40 - 140	12	30		
Pyrene	104	96	40 - 140	9	30		
2,4-Dinitrotoluene	54	58	40 - 140	6	30		
Dibenz(a,h)anthracene	87	74	40 - 140	17	30		
1,3-Dichlorobenzene	67	65	40 - 140	4	30		
Nitrobenzene	83	74	40 - 140	12	30		
Naphthalene	76	71	40 - 140	8	30		
2,4,6-Trichlorophenol	62	52	30 - 130	18	30		
Pentachlorophenol	0	0	30 - 130	NC	30	F	F
Fluoranthene	76	71	40 - 140	7	30		
3,3'-Dichlorobenzidine	56	52	40 - 140	7	30	J	J

Client: Olin Corporation

Job Number: 480-30106-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-96302

Method: 8270D
Preparation: 3546

MS Lab Sample ID:	480-30106-6	Analysis Batch:	480-96568	Instrument ID:	HP5973X
Client Matrix:	Solid	Prep Batch:	480-96302	Lab File ID:	X3172.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	000030.2 g
Analysis Date:	12/19/2012 1829			Final Weight/Volume:	1 mL
Prep Date:	12/18/2012 0812			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	480-30106-6	Analysis Batch:	480-96568	Instrument ID:	HP5973X
Client Matrix:	Solid	Prep Batch:	480-96302	Lab File ID:	X3173.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	000030.4 g
Analysis Date:	12/19/2012 1855			Final Weight/Volume:	1 mL
Prep Date:	12/18/2012 0812			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
4-Bromophenyl phenyl ether	94	85	40 - 140	10	30		
Diethyl phthalate	80	80	40 - 140	1	30		
2-Methylphenol	61	64	30 - 130	4	30		
1,2-Dichlorobenzene	77	69	40 - 140	11	30		
2,2'-oxybis[1-chloropropane]	70	69	40 - 140	3	30		
Bis(2-chloroethyl)ether	77	85	40 - 140	8	30		
Benzo[a]anthracene	73	70	40 - 140	5	30		
Indeno[1,2,3-cd]pyrene	43	71	40 - 140	48	30	J	F
Butyl benzyl phthalate	94	91	40 - 140	4	30		
Chrysene	104	98	40 - 140	7	30		
Acenaphthene	79	69	40 - 140	14	30		
Benzo[b]fluoranthene	75	72	40 - 140	5	30		
4-Nitrophenol	0	0	30 - 130	NC	30	F	F
4-Chloroaniline	0	0	40 - 140	NC	30	F	F
2-Chlorophenol	79	72	30 - 130	9	30		
2,6-Dinitrotoluene	0	0	40 - 140	NC	30	F	F
Phenol	57	0	30 - 130	NC	30		F
3 & 4 Methylphenol	60	47	30 - 130	26	30		J
1,4-Dichlorobenzene	74	65	40 - 140	14	30		
Bis(2-chloroethoxy)methane	74	71	40 - 140	4	30		
2-Chloronaphthalene	50	46	40 - 140	9	30	J	J
N-Nitrosodi-n-propylamine	77	73		5			
4-Chlorophenyl phenyl ether	84	84		1			
4-Chloro-3-methylphenol	0	16		NC			J
Benzo[a]pyrene	51	56	40 - 140	7	30		
4-Methylphenol	60	47		26			J
4-Nitroaniline	0	0		NC			
2-Nitroaniline	0	0		NC			
4,6-Dinitro-2-methylphenol	0	0		NC			
N-Nitrosodiphenylamine	38	36		4		J	J
Azobenzene	97	86	40 - 140	12	30		
Hexachlorocyclopentadiene	0	0		NC			
3-Nitroaniline	0	0		NC			

Client: Olin Corporation

Job Number: 480-30106-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-96302

Method: 8270D
Preparation: 3546

MS Lab Sample ID:	480-30106-6	Analysis Batch:	480-96568	Instrument ID:	HP5973X
Client Matrix:	Solid	Prep Batch:	480-96302	Lab File ID:	X3172.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	000030.2 g
Analysis Date:	12/19/2012 1829			Final Weight/Volume:	1 mL
Prep Date:	12/18/2012 0812			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	480-30106-6	Analysis Batch:	480-96568	Instrument ID:	HP5973X
Client Matrix:	Solid	Prep Batch:	480-96302	Lab File ID:	X3173.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	000030.4 g
Analysis Date:	12/19/2012 1855			Final Weight/Volume:	1 mL
Prep Date:	12/18/2012 0812			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
N-Nitrosodimethylamine	0	0		NC			
Benzyl alcohol	0	0		NC			
Benzoic acid	0	0		NC			

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
2,4,6-Tribromophenol	71	73	30 - 130
2-Fluorophenol	70	63	30 - 130
Nitrobenzene-d5	67	66	30 - 130
Phenol-d5	77	70	30 - 130
2-Fluorobiphenyl	77	72	30 - 130
p-Terphenyl-d14	104	98	30 - 130

Client: Olin Corporation

Job Number: 480-30106-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-96302

Method: 8270D
Preparation: 3546

MS Lab Sample ID:	480-30106-6	Units: ug/Kg		MSD Lab Sample ID:	480-30106-6
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	12/19/2012 1829			Analysis Date:	12/19/2012 1855
Prep Date:	12/18/2012 0812			Prep Date:	12/18/2012 0812
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Bis(2-ethylhexyl) phthalate	ND		72.0	71.5	ND		74.3	J
2,4,5-Trichlorophenol	ND		72.0	71.5	46.0		ND	F
Aniline	ND		72.0	71.5	37.3		36.8	
Hexachloroethane	ND		72.0	71.5	52.2		49.1	
Dimethyl phthalate	ND		72.0	71.5	56.5		53.4	
2,4-Dimethylphenol	ND		72.0	71.5	42.0		42.7	
Isophorone	ND		72.0	71.5	58.7		51.9	
Fluorene	ND		72.0	71.5	57.2		53.3	
Dibenzofuran	ND		72.0	71.5	58.1		59.6	
Acenaphthylene	ND		72.0	71.5	55.3		58.4	
2,4-Dichlorophenol	ND		72.0	71.5	31.7	J	24.2	J
Benzo[g,h,i]perylene	ND		72.0	71.5	69.3		60.5	
Hexachlorobenzene	ND		72.0	71.5	70.0		56.0	
Di-n-octyl phthalate	ND		72.0	71.5	59.8		56.0	
Hexachlorobutadiene	ND		72.0	71.5	52.4		51.5	
Phenanthrene	ND		72.0	71.5	67.6		58.4	
2-Nitrophenol	ND		72.0	71.5	37.5		43.4	
Benzo[k]fluoranthene	ND		72.0	71.5	70.5		60.3	
2,4-Dinitrophenol	ND		72.0	71.5	ND	F	ND	F
Anthracene	ND		72.0	71.5	63.3		57.1	
2-Methylnaphthalene	ND		72.0	71.5	61.6		60.4	
Di-n-butyl phthalate	ND		72.0	71.5	65.6	J	61.0	J
1,2,4-Trichlorobenzene	ND		72.0	71.5	53.1		47.3	
Pyrene	ND		72.0	71.5	74.5		68.4	
2,4-Dinitrotoluene	ND		72.0	71.5	38.7		41.2	
Dibenz(a,h)anthracene	ND		72.0	71.5	62.6		53.0	
1,3-Dichlorobenzene	ND		72.0	71.5	48.3		46.1	
Nitrobenzene	ND		72.0	71.5	59.6		52.9	
Naphthalene	ND		72.0	71.5	54.6		50.6	
2,4,6-Trichlorophenol	ND		72.0	71.5	44.5		37.3	
Pentachlorophenol	ND		72.0	71.5	ND	F	ND	F
Fluoranthene	ND		72.0	71.5	54.5		50.8	
3,3'-Dichlorobenzidine	ND		72.0	71.5	40.1	J	37.4	J
4-Bromophenyl phenyl ether	ND		72.0	71.5	67.3		60.6	
Diethyl phthalate	ND		72.0	71.5	57.2		56.8	
2-Methylphenol	ND		72.0	71.5	44.1		45.9	
1,2-Dichlorobenzene	ND		72.0	71.5	55.4		49.5	
2,2'-oxybis[1-chloropropane]	ND		72.0	71.5	50.7		49.3	
Bis(2-chloroethyl)ether	ND		72.0	71.5	55.6		60.4	
Benzo[a]anthracene	ND		72.0	71.5	52.7		50.0	
Indeno[1,2,3-cd]pyrene	ND		72.0	71.5	30.9	J	50.4	F
Butyl benzyl phthalate	ND		72.0	71.5	67.4		64.8	
Chrysene	ND		72.0	71.5	74.8		69.7	

Client: Olin Corporation

Job Number: 480-30106-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-96302

Method: 8270D
Preparation: 3546

MS Lab Sample ID:	480-30106-6	Units: ug/Kg		MSD Lab Sample ID:	480-30106-6
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	12/19/2012 1829			Analysis Date:	12/19/2012 1855
Prep Date:	12/18/2012 0812			Prep Date:	12/18/2012 0812
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Acenaphthene	ND		72.0	71.5	56.8		49.5	
Benzo[b]fluoranthene	ND		72.0	71.5	54.1		51.4	
4-Nitrophenol	ND		72.0	71.5	ND	F	ND	F
4-Chloroaniline	ND		72.0	71.5	ND	F	ND	F
2-Chlorophenol	ND		72.0	71.5	56.5		51.8	
2,6-Dinitrotoluene	ND		72.0	71.5	ND	F	ND	F
Phenol	ND		72.0	71.5	41.3		ND	F
3 & 4 Methylphenol	ND		72.0	71.5	43.5		33.6	J
1,4-Dichlorobenzene	ND		72.0	71.5	53.3		46.2	
Bis(2-chloroethoxy)methane	ND		72.0	71.5	53.3		51.0	
2-Chloronaphthalene	ND		72.0	71.5	35.8	J	32.7	J
N-Nitrosodi-n-propylamine	ND		72.0	71.5	55.1		52.2	
4-Chlorophenyl phenyl ether	ND		72.0	71.5	60.2		59.8	
4-Chloro-3-methylphenol	ND		72.0	71.5	ND		11.5	J
Benzo[a]pyrene	ND		72.0	71.5	36.9		39.7	
4-Methylphenol	ND		72.0	71.5	43.5		33.6	J
4-Nitroaniline	ND		72.0	71.5	ND		ND	
2-Nitroaniline	ND		72.0	71.5	ND		ND	
4,6-Dinitro-2-methylphenol	ND		72.0	71.5	ND		ND	
N-Nitrosodiphenylamine	ND		72.0	71.5	27.0	J	25.9	J
Azobenzene	ND		72.0	71.5	69.5		61.5	
Hexachlorocyclopentadiene	ND		72.0	71.5	ND		ND	
3-Nitroaniline	ND		72.0	71.5	ND		ND	
N-Nitrosodimethylamine	ND		72.0	71.5	ND		ND	
Benzyl alcohol	ND		72.0	71.5	ND		ND	
Benzoic acid	ND		72.0	71.5	ND		ND	

Client: Olin Corporation

Job Number: 480-30106-1

Method Blank - Batch: 480-96561

Method: 8270D
Preparation: 3546

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

Analyte	Result	Qual	MDL	RL
Bis(2-ethylhexyl) phthalate	ND		66	160
2,4,5-Trichlorophenol	ND		11	33
Aniline	ND		9.9	33
Hexachloroethane	ND		9.9	33
Dimethyl phthalate	ND		9.9	33
N-Nitrosodi-n-propylamine	ND		9.9	33
4-Chlorophenyl phenyl ether	ND		9.9	33
4-Chloro-3-methylphenol	ND		9.9	66
2,4-Dimethylphenol	ND		9.9	33
Isophorone	ND		9.9	33
Benzo[a]pyrene	ND		9.9	33
Fluorene	ND		9.9	33
4-Methylphenol	ND		9.9	33
Dibenzofuran	ND		9.9	33
4-Nitroaniline	ND		28	160
Acenaphthylene	ND		9.9	33
2,4-Dichlorophenol	ND		9.9	33
2-Nitroaniline	ND		41	160
Benzo[g,h,i]perylene	ND		9.9	33
Hexachlorobenzene	ND		9.9	33
Caprolactam	ND		9.9	33
Di-n-octyl phthalate	ND		9.9	33
Hexachlorobutadiene	ND		9.9	33
Carbazole	ND		9.9	33
Phenanthrene	ND		9.9	33
4,6-Dinitro-2-methylphenol	ND		32	160
2-Nitrophenol	ND		13	33
Benzo[k]fluoranthene	ND		17	33
2,4-Dinitrophenol	ND		27	33
1-Methylnaphthalene	ND		9.9	33
Anthracene	ND		9.9	33
N-Nitrosodiphenylamine	ND		9.9	33
2-Methylnaphthalene	ND		9.9	33
Di-n-butyl phthalate	ND		49	160
1,2,4-Trichlorobenzene	ND		9.9	33
Atrazine	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
Phenyl ether	ND		9.9	33
Nitrobenzene	ND		9.9	33
Benzaldehyde	ND		9.9	33
Naphthalene	ND		9.9	33
Azobenzene	ND		9.9	33

Client: Olin Corporation

Job Number: 480-30106-1

Method Blank - Batch: 480-96561

Method: 8270D
Preparation: 3546

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

Analyte	Result	Qual	MDL	RL
2,4,6-Trichlorophenol	ND		14	33
Hexachlorocyclopentadiene	ND		9.9	66
3-Nitroaniline	ND		9.9	160
Pentachlorophenol	ND		9.9	33
Fluoranthene	ND		9.9	33
N-Nitrosodimethylamine	ND		9.9	33
3,3'-Dichlorobenzidine	ND		12	66
4-Bromophenyl phenyl ether	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
Diethyl phthalate	ND		11	33
Benzoic acid	ND		15	160
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
1,2-Diphenylhydrazine	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
Benzo[b]fluoranthene	ND		9.9	33
4-Nitrophenol	ND		14	160
4-Chloroaniline	ND		30	66
2-Chlorophenol	ND		9.9	33
2,6-Dinitrotoluene	ND		28	33
Phenol	ND		9.9	33
3 & 4 Methylphenol	ND		9.9	33
1,4-Dichlorobenzene	ND		9.9	33
Bis(2-chloroethoxy)methane	ND		9.9	33
2-Chloronaphthalene	ND		9.9	33
1,2,4,5-Tetrachlorobenzene	ND		9.9	33

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

Client: Olin Corporation

Job Number: 480-30106-1

Method Blank TICs- Batch: 480-96561

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

Client: Olin Corporation

Job Number: 480-30106-1

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

Method: 8270D
Preparation: 3546

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

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

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Bis(2-ethylhexyl) phthalate	87	96	40 - 140	9	30		
2,4,5-Trichlorophenol	93	96	30 - 130	3	30		
Aniline	77	81	40 - 140	5	30		
Hexachloroethane	79	81	40 - 140	3	30		
Dimethyl phthalate	90	96	40 - 140	7	30		
N-Nitrosodi-n-propylamine	90	90		1			
4-Chlorophenyl phenyl ether	90	90		0			
2,4-Dimethylphenol	91	94	30 - 130	3	30		
4-Chloro-3-methylphenol	91	104		13			
Isophorone	85	91	40 - 140	7	30		
Benzo[a]pyrene	89	93	40 - 140	5	30		
Fluorene	85	89	40 - 140	4	30		
4-Methylphenol	99	97		2			
4-Nitroaniline	65	69		7			
Dibenzofuran	95	97	40 - 140	1	30		
Acenaphthylene	93	96	40 - 140	3	30		
2,4-Dichlorophenol	86	93	30 - 130	8	30		
2-Nitroaniline	96	105		9			
Benzo[g,h,i]perylene	60	58	40 - 140	4	30		
Hexachlorobenzene	97	96	40 - 140	1	30		
Caprolactam	87	117		29			
Di-n-octyl phthalate	108	113	40 - 140	4	30		
Carbazole	83	85		3			
Hexachlorobutadiene	77	82	40 - 140	7	30		
Phenanthrene	95	96	40 - 140	1	30		
2-Nitrophenol	88	90	30 - 130	3	30		
4,6-Dinitro-2-methylphenol	71	83		15			
Benzo[k]fluoranthene	112	114	40 - 140	2	30		
1-Methylnaphthalene	95	92		3			
2,4-Dinitrophenol	95	44	30 - 130	74	30		*
Anthracene	96	98	40 - 140	2	30		
N-Nitrosodiphenylamine	54	55		1			
2-Methylnaphthalene	77	82	40 - 140	7	30		
Di-n-butyl phthalate	103	105	40 - 140	1	30		
1,2,4-Trichlorobenzene	79	84	40 - 140	6	30		
Atrazine	82	100	40 - 140	20	30		

Client: Olin Corporation

Job Number: 480-30106-1

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

Method: 8270D
Preparation: 3546

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

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

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Pyrene	83	90	40 - 140	9	30		
2,4-Dinitrotoluene	89	91	40 - 140	3	30		
Dibenz(a,h)anthracene	63	65	40 - 140	3	30		
1,3-Dichlorobenzene	74	77	40 - 140	4	30		
Phenyl ether	123	108		13			
Benzaldehyde	90	95		6			
Nitrobenzene	88	88	40 - 140	0	30		
Azobenzene	268	258	40 - 140	4	30	E *	E *
Naphthalene	80	82	40 - 140	3	30		
2,4,6-Trichlorophenol	96	103	30 - 130	7	30		
Hexachlorocyclopentadiene	72	76		5			
3-Nitroaniline	67	90		29			
Pentachlorophenol	88	98	30 - 130	11	30		
Fluoranthene	79	77	40 - 140	2	30		
3,3'-Dichlorobenzidine	85	91	40 - 140	7	30		
N-Nitrosodimethylamine	71	73		3			
4-Bromophenyl phenyl ether	100	105	40 - 140	4	30		
Benzyl alcohol	66	54		21			
1,1'-Biphenyl	103	110		6			
2,3,4,6-Tetrachlorophenol	93	110		17			
Benzophenone	111	107		4			
Diethyl phthalate	90	95	40 - 140	5	30		
Benzoic acid	127	142		11			
2-Methylphenol	98	90	30 - 130	9	30		
1,2-Dichlorobenzene	77	80	40 - 140	4	30		
2,2'-oxybis[1-chloropropane]	73	79	40 - 140	7	30		
Acetophenone	95	102	40 - 140	7	30		
Bis(2-chloroethyl)ether	83	85	40 - 140	3	30		
Benzo[a]anthracene	105	105	40 - 140	0	30		
1,2-Diphenylhydrazine	134	129	40 - 140	4	30	E	E
Indeno[1,2,3-cd]pyrene	60	61	40 - 140	2	30		
Butyl benzyl phthalate	84	92	40 - 140	8	30		
Chrysene	89	98	40 - 140	10	30		
Acenaphthene	81	85	40 - 140	4	30		
Benzo[b]fluoranthene	94	101	40 - 140	7	30		
4-Nitrophenol	90	14	30 - 130	147	30		J *

Client: Olin Corporation

Job Number: 480-30106-1

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

Method: 8270D
Preparation: 3546

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

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

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
4-Chloroaniline	75	82	40 - 140	9	30		
2-Chlorophenol	89	92	30 - 130	3	30		
2,6-Dinitrotoluene	46	48	40 - 140	4	30		
Phenol	88	94	30 - 130	7	30		
1,4-Dichlorobenzene	78	78	40 - 140	0	30		
Bis(2-chloroethoxy)methane	89	89	40 - 140	0	30		
2-Chloronaphthalene	83	86	40 - 140	3	30		
1,2,4,5-Tetrachlorobenzene	106	114		7			

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

Client: Olin Corporation

Job Number: 480-30106-1

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

Method: 8270D
Preparation: 3546

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

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual	
Bis(2-ethylhexyl) phthalate	265	265	231	254	
2,4,5-Trichlorophenol	265	265	247	254	
Aniline	291	291	225	237	
Hexachloroethane	265	265	210	216	
Dimethyl phthalate	265	265	239	256	
N-Nitrosodi-n-propylamine	265	265	239	237	
4-Chlorophenyl phenyl ether	265	265	238	239	
2,4-Dimethylphenol	265	265	240	249	
4-Chloro-3-methylphenol	265	265	241	275	
Isophorone	265	265	226	242	
Benzo[a]pyrene	265	265	235	248	
Fluorene	265	265	226	236	
4-Methylphenol	530	530	527	515	
4-Nitroaniline	265	265	171	184	
Dibenzofuran	265	265	253	256	
Acenaphthylene	265	265	246	254	
2,4-Dichlorophenol	265	265	228	246	
2-Nitroaniline	265	265	254	277	
Benzo[g,h,i]perylene	265	265	160	154	
Hexachlorobenzene	265	265	257	254	
Caprolactam	265	265	232	309	
Di-n-octyl phthalate	265	265	285	298	
Carbazole	265	265	219	226	
Hexachlorobutadiene	265	265	203	218	
Phenanthrene	265	265	253	255	
2-Nitrophenol	265	265	233	239	
4,6-Dinitro-2-methylphenol	265	265	189	221	
Benzo[k]fluoranthene	265	265	298	302	
1-Methylnaphthalene	530	530	503	486	
2,4-Dinitrophenol	265	265	251	116	*
Anthracene	265	265	254	259	
N-Nitrosodiphenylamine	265	265	144	145	
2-Methylnaphthalene	265	265	203	219	
Di-n-butyl phthalate	265	265	273	277	
1,2,4-Trichlorobenzene	265	265	210	223	
Atrazine	265	265	218	265	
Pyrene	265	265	220	239	
2,4-Dinitrotoluene	265	265	236	242	
Dibenz(a,h)anthracene	265	265	168	172	

Client: Olin Corporation

Job Number: 480-30106-1

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

Method: 8270D
Preparation: 3546

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

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual		LCSD Result/Qual	
1,3-Dichlorobenzene	265	265	195		204	
Phenyl ether	265	265	326		287	
Benzaldehyde	265	265	238		252	
Nitrobenzene	265	265	233		232	
Azobenzene	265	265	710	E *	684	E *
Naphthalene	265	265	212		218	
2,4,6-Trichlorophenol	265	265	255		273	
Hexachlorocyclopentadiene	265	265	192		201	
3-Nitroaniline	260	260	175		235	
Pentachlorophenol	265	265	233		260	
Fluoranthene	265	265	209		205	
3,3'-Dichlorobenzidine	265	265	225		242	
N-Nitrosodimethylamine	265	265	189		194	
4-Bromophenyl phenyl ether	265	265	266		277	
Benzyl alcohol	265	265	176		143	
1,1'-Biphenyl	265	265	273		291	
2,3,4,6-Tetrachlorophenol	530	530	493		585	
Benzophenone	265	265	294		283	
Diethyl phthalate	265	265	240		253	
Benzoic acid	265	265	337		376	
2-Methylphenol	265	265	261		239	
1,2-Dichlorobenzene	265	265	204		212	
2,2'-oxybis[1-chloropropane]	265	265	194		209	
Acetophenone	530	530	502		540	
Bis(2-chloroethyl)ether	265	265	219		225	
Benzo[a]anthracene	265	265	277		278	
1,2-Diphenylhydrazine	530	530	709	E	682	E
Indeno[1,2,3-cd]pyrene	265	265	158		162	
Butyl benzyl phthalate	265	265	224		243	
Chrysene	265	265	236		261	
Acenaphthene	265	265	215		225	
Benzo[b]fluoranthene	265	265	248		267	
4-Nitrophenol	265	265	240		36.2	J *
4-Chloroaniline	254	254	190		208	
2-Chlorophenol	265	265	236		243	
2,6-Dinitrotoluene	265	265	123		128	
Phenol	265	265	234		250	
1,4-Dichlorobenzene	265	265	208		207	
Bis(2-chloroethoxy)methane	265	265	235		235	

Client: Olin Corporation

Job Number: 480-30106-1

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

Method: 8270D
Preparation: 3546

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

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
2-Chloronaphthalene	265	265	219	227
1,2,4,5-Tetrachlorobenzene	530	530	561	604

Client: Olin Corporation

Job Number: 480-30106-1

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: 480-30106-1

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: 480-30106-1

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: 480-30106-1

Method Blank - Batch: 440-75585

Method: 7199
Preparation: 3060A

Lab Sample ID:	MB 440-75585/1-A	Analysis Batch:	440-76371	Instrument ID:	IC-16
Client Matrix:	Solid	Prep Batch:	440-75585	Lab File ID:	Info 2_TAIIRV167_Hex
Dilution:	10	Leach Batch:	N/A	Initial Weight/Volume:	1.26 g
Analysis Date:	12/31/2012 1327	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	12/27/2012 0926			Injection Volume:	1 uL
Leach Date:	N/A				

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

Lab Control Sample - Batch: 440-75585

Method: 7199
Preparation: 3060A

Lab Sample ID:	LCS 440-75585/2-A	Analysis Batch:	440-76371	Instrument ID:	IC-16
Client Matrix:	Solid	Prep Batch:	440-75585	Lab File ID:	Info 2_TAIIRV167_Hex
Dilution:	10	Leach Batch:	N/A	Initial Weight/Volume:	1.26 g
Analysis Date:	12/31/2012 1339	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	12/27/2012 0926			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cr (VI)	15.9	10.5	66	65 - 110	

Client: Olin Corporation

Job Number: 480-30106-1

Matrix Spike Insoluble - Batch: 440-75585

Method: 7199
Preparation: 3060A

Lab Sample ID:	480-30106-1	Analysis Batch:	440-76371	Instrument ID:	IC-16
Client Matrix:	Solid	Prep Batch:	440-75585	Lab File ID:	Info 2_TAIIRV167_Hex
Dilution:	1000	Leach Batch:	N/A	Initial Weight/Volume:	1.26 g
Analysis Date:	12/31/2012 1430	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	12/27/2012 0926			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Cr (VI)	ND	2780	1570	56	55 - 110	

Matrix Spike Insoluble - Batch: 440-75585

Method: 7199
Preparation: 3060A

Lab Sample ID:	480-30106-6	Analysis Batch:	440-76481	Instrument ID:	IC-16
Client Matrix:	Solid	Prep Batch:	440-75585	Lab File ID:	Info 2_TAIIRV167_Hex
Dilution:	1000	Leach Batch:	N/A	Initial Weight/Volume:	1.26 g
Analysis Date:	01/01/2013 1741	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	12/27/2012 0926			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Cr (VI)	0.88	2250	1670	74	55 - 110	

Client: Olin Corporation

Job Number: 480-30106-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 440-75585

Method: 7199
Preparation: 3060A

MS Lab Sample ID:	480-30106-1	Analysis Batch:	440-76371	Instrument ID:	IC-16
Client Matrix:	Solid	Prep Batch:	440-75585	Lab File ID:	Info 2_TAIIRV167_Hex
Dilution:	10	Leach Batch:	N/A	Initial Weight/Volume:	1.24 g
Analysis Date:	12/31/2012 1405			Final Weight/Volume:	50 mL
Prep Date:	12/27/2012 0926			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	480-30106-1	Analysis Batch:	440-76371	Instrument ID:	IC-16
Client Matrix:	Solid	Prep Batch:	440-75585	Lab File ID:	Info 2_TAIIRV167_Hex
Dilution:	10	Leach Batch:	N/A	Initial Weight/Volume:	1.26 g
Analysis Date:	12/31/2012 1417			Final Weight/Volume:	50 mL
Prep Date:	12/27/2012 0926			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Cr (VI)	56	55	55 - 110	4	20		

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 440-75585

Method: 7199
Preparation: 3060A

MS Lab Sample ID:	480-30106-6	Analysis Batch:	440-76481	Instrument ID:	IC-16
Client Matrix:	Solid	Prep Batch:	440-75585	Lab File ID:	Info 2_TAIIRV167_Hex
Dilution:	10	Leach Batch:	N/A	Initial Weight/Volume:	1.24 g
Analysis Date:	01/01/2013 1715			Final Weight/Volume:	50 mL
Prep Date:	12/27/2012 0926			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	480-30106-6	Analysis Batch:	440-76481	Instrument ID:	IC-16
Client Matrix:	Solid	Prep Batch:	440-75585	Lab File ID:	Info 2_TAIIRV167_Hex
Dilution:	10	Leach Batch:	N/A	Initial Weight/Volume:	1.26 g
Analysis Date:	01/01/2013 1728			Final Weight/Volume:	50 mL
Prep Date:	12/27/2012 0926			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Cr (VI)	69	71	55 - 110	1	20		

Client: Olin Corporation

Job Number: 480-30106-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 440-75585

Method: 7199
Preparation: 3060A

MS Lab Sample ID:	480-30106-1	Units: mg/Kg	MSD Lab Sample ID:	480-30106-1
Client Matrix:	Solid		Client Matrix:	Solid
Dilution:	10		Dilution:	10
Analysis Date:	12/31/2012 1405		Analysis Date:	12/31/2012 1417
Prep Date:	12/27/2012 0926		Prep Date:	12/27/2012 0926
Leach Date:	N/A		Leach Date:	N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Cr (VI)	ND	18.6	18.3	10.3	9.97

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 440-75585

Method: 7199
Preparation: 3060A

MS Lab Sample ID:	480-30106-6	Units: mg/Kg	MSD Lab Sample ID:	480-30106-6
Client Matrix:	Solid		Client Matrix:	Solid
Dilution:	10		Dilution:	10
Analysis Date:	01/01/2013 1715		Analysis Date:	01/01/2013 1728
Prep Date:	12/27/2012 0926		Prep Date:	12/27/2012 0926
Leach Date:	N/A		Leach Date:	N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Cr (VI)	0.88	17.5	17.2	13.1	13.1

Client: Olin Corporation

Job Number: 480-30106-1

Lab Control Sample - Batch: 360-97381

Method: 9045C
Preparation: N/A

Lab Sample ID:	LCS 360-97382/1-A	Analysis Batch:	360-97381	Instrument ID:	pH meter
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	360-97382	Initial Weight/Volume:	
Analysis Date:	12/13/2012 0748	Units:	SU	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	12/13/2012 0710				

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

Duplicate - Batch: 360-97381

Method: 9045C
Preparation: N/A

Lab Sample ID:	480-30106-22	Analysis Batch:	360-97381	Instrument ID:	pH meter
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	360-97382	Initial Weight/Volume:	
Analysis Date:	12/13/2012 0933	Units:	SU	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	12/13/2012 0710				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
pH-Soluble	5.49	5.350	3	10.0	

Client: Olin Corporation

Job Number: 480-30106-1

Lab Control Sample - Batch: 360-97384

Method: SM 2580B
Preparation: N/A

Lab Sample ID:	LCS 360-97383/1-A	Analysis Batch:	360-97384	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	360-97383	Initial Weight/Volume:	
Analysis Date:	12/13/2012 0755	Units:	millivolts	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	12/13/2012 0710				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Oxidation Reduction Potential-Soluble	475	423	89	85 - 115	

Duplicate - Batch: 360-97384

Method: SM 2580B
Preparation: N/A

Lab Sample ID:	480-30106-22	Analysis Batch:	360-97384	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	360-97383	Initial Weight/Volume:	
Analysis Date:	12/13/2012 0933	Units:	millivolts	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	12/13/2012 0710				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Oxidation Reduction Potential-Soluble	32	27.0	17	20	

DATA REPORTING QUALIFIERS

Client: Olin Corporation

Job Number: 480-30106-1

Lab Section	Qualifier	Description
GC/MS VOA		
	*	LCS or LCSD exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	H	Sample was prepped or analyzed beyond the specified holding time
GC/MS Semi VOA		
	J	Indicates an Estimated Value for TICs
	*	LCS or LCSD exceeds the control limits
	F	MS or MSD 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
	F	RPD of the MS and MSD 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: 480-30106-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:480-96317					
LCS 480-96335/1-A	Lab Control Sample	T	Solid	8260C	480-96335
LCSD 480-96335/15-A	Lab Control Sample Duplicate	T	Solid	8260C	480-96335
MB 480-96335/2-A	Method Blank	T	Solid	8260C	480-96335
480-30106-4	OC-SB-514-0.0/1.0-XXX	T	Solid	8260C	480-96335
480-30106-8	OC-SB-515-6.0/8.0-XXX	T	Solid	8260C	480-96335
480-30106-9	OC-SB-515-13/15-XXX	T	Solid	8260C	480-96335
480-30106-11	OC-SB-516-6.0/8.0-XXX	T	Solid	8260C	480-96335
480-30106-12	OC-SB-516-15/17-XXX	T	Solid	8260C	480-96335
480-30106-13	OC-SB-517-0.0/1.0-XXX	T	Solid	8260C	480-96335
480-30106-14	OC-SB-517-6.0/8.0-XXX	T	Solid	8260C	480-96335
480-30106-15	OC-SB-517-18/20-XXX	T	Solid	8260C	480-96335
Prep Batch: 480-96335					
LCS 480-96335/1-A	Lab Control Sample	T	Solid	5035	
LCSD 480-96335/15-A	Lab Control Sample Duplicate	T	Solid	5035	
MB 480-96335/2-A	Method Blank	T	Solid	5035	
480-30106-4	OC-SB-514-0.0/1.0-XXX	T	Solid	5035	
480-30106-8	OC-SB-515-6.0/8.0-XXX	T	Solid	5035	
480-30106-9	OC-SB-515-13/15-XXX	T	Solid	5035	
480-30106-11	OC-SB-516-6.0/8.0-XXX	T	Solid	5035	
480-30106-12	OC-SB-516-15/17-XXX	T	Solid	5035	
480-30106-13	OC-SB-517-0.0/1.0-XXX	T	Solid	5035	
480-30106-14	OC-SB-517-6.0/8.0-XXX	T	Solid	5035	
480-30106-15	OC-SB-517-18/20-XXX	T	Solid	5035	

Report Basis

T = Total

Client: Olin Corporation

Job Number: 480-30106-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
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	
480-30106-5	OC-SB-514-7.0/9.0-XXX	T	Solid	3546	
480-30106-6	OC-SB-514-15/17-XXX	T	Solid	3546	
480-30106-6MS	Matrix Spike	T	Solid	3546	
480-30106-6MSD	Matrix Spike Duplicate	T	Solid	3546	
480-30106-8	OC-SB-515-6.0/8.0-XXX	T	Solid	3546	
480-30106-9	OC-SB-515-13/15-XXX	T	Solid	3546	
480-30106-11	OC-SB-516-6.0/8.0-XXX	T	Solid	3546	
480-30106-12	OC-SB-516-15/17-XXX	T	Solid	3546	
480-30106-13	OC-SB-517-0.0/1.0-XXX	T	Solid	3546	
480-30106-13DL	OC-SB-517-0.0/1.0-XXX	T	Solid	3546	
480-30106-14	OC-SB-517-6.0/8.0-XXX	T	Solid	3546	
480-30106-14DL	OC-SB-517-6.0/8.0-XXX	T	Solid	3546	
480-30106-15	OC-SB-517-18/20-XXX	T	Solid	3546	
Prep Batch: 480-96561					
LCS 480-96561/2-A	Lab Control Sample	T	Solid	3546	
LCSD 480-96561/3-A	Lab Control Sample Duplicate	T	Solid	3546	
MB 480-96561/1-A	Method Blank	T	Solid	3546	
480-30106-4	OC-SB-514-0.0/1.0-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
480-30106-5	OC-SB-514-7.0/9.0-XXX	T	Solid	8270D	480-96302
480-30106-6	OC-SB-514-15/17-XXX	T	Solid	8270D	480-96302
480-30106-6MS	Matrix Spike	T	Solid	8270D	480-96302
480-30106-6MSD	Matrix Spike Duplicate	T	Solid	8270D	480-96302
480-30106-8	OC-SB-515-6.0/8.0-XXX	T	Solid	8270D	480-96302
480-30106-11	OC-SB-516-6.0/8.0-XXX	T	Solid	8270D	480-96302
480-30106-12	OC-SB-516-15/17-XXX	T	Solid	8270D	480-96302
480-30106-13	OC-SB-517-0.0/1.0-XXX	T	Solid	8270D	480-96302
480-30106-14	OC-SB-517-6.0/8.0-XXX	T	Solid	8270D	480-96302
480-30106-15	OC-SB-517-18/20-XXX	T	Solid	8270D	480-96302

Client: Olin Corporation

Job Number: 480-30106-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Analysis Batch:480-96803					
LCS 480-96561/2-A	Lab Control Sample	T	Solid	8270D	480-96561
LCSD 480-96561/3-A	Lab Control Sample Duplicate	T	Solid	8270D	480-96561
MB 480-96561/1-A	Method Blank	T	Solid	8270D	480-96561
480-30106-4	OC-SB-514-0.0/1.0-XXX	T	Solid	8270D	480-96561
480-30106-9	OC-SB-515-13/15-XXX	T	Solid	8270D	480-96302
480-30106-13DL	OC-SB-517-0.0/1.0-XXX	T	Solid	8270D	480-96302
480-30106-14DL	OC-SB-517-6.0/8.0-XXX	T	Solid	8270D	480-96302

Report Basis

T = Total

Client: Olin Corporation

Job Number: 480-30106-1

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	
480-30106-4	OC-SB-514-0.0/1.0-XXX	T	Solid	3546	
480-30106-5	OC-SB-514-7.0/9.0-XXX	T	Solid	3546	
480-30106-6	OC-SB-514-15/17-XXX	T	Solid	3546	
480-30106-8	OC-SB-515-6.0/8.0-XXX	T	Solid	3546	
480-30106-9	OC-SB-515-13/15-XXX	T	Solid	3546	
480-30106-11	OC-SB-516-6.0/8.0-XXX	T	Solid	3546	
480-30106-12	OC-SB-516-15/17-XXX	T	Solid	3546	
480-30106-13	OC-SB-517-0.0/1.0-XXX	T	Solid	3546	
480-30106-14	OC-SB-517-6.0/8.0-XXX	T	Solid	3546	
480-30106-15	OC-SB-517-18/20-XXX	T	Solid	3546	
480-30106-22	OC-DUP-4	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
480-30106-4	OC-SB-514-0.0/1.0-XXX	T	Solid	MA-EPH	480-96085
480-30106-5	OC-SB-514-7.0/9.0-XXX	T	Solid	MA-EPH	480-96085
480-30106-6	OC-SB-514-15/17-XXX	T	Solid	MA-EPH	480-96085
480-30106-8	OC-SB-515-6.0/8.0-XXX	T	Solid	MA-EPH	480-96085
480-30106-9	OC-SB-515-13/15-XXX	T	Solid	MA-EPH	480-96085
480-30106-11	OC-SB-516-6.0/8.0-XXX	T	Solid	MA-EPH	480-96085
480-30106-12	OC-SB-516-15/17-XXX	T	Solid	MA-EPH	480-96085
480-30106-13	OC-SB-517-0.0/1.0-XXX	T	Solid	MA-EPH	480-96085
480-30106-14	OC-SB-517-6.0/8.0-XXX	T	Solid	MA-EPH	480-96085
480-30106-15	OC-SB-517-18/20-XXX	T	Solid	MA-EPH	480-96085
480-30106-22	OC-DUP-4	T	Solid	MA-EPH	480-96085
Analysis Batch:480-97835					
480-30106-4	OC-SB-514-0.0/1.0-XXX	T	Solid	MA-EPH	
480-30106-5	OC-SB-514-7.0/9.0-XXX	T	Solid	MA-EPH	
480-30106-6	OC-SB-514-15/17-XXX	T	Solid	MA-EPH	
480-30106-8	OC-SB-515-6.0/8.0-XXX	T	Solid	MA-EPH	
480-30106-9	OC-SB-515-13/15-XXX	T	Solid	MA-EPH	
480-30106-11	OC-SB-516-6.0/8.0-XXX	T	Solid	MA-EPH	
480-30106-12	OC-SB-516-15/17-XXX	T	Solid	MA-EPH	
480-30106-13	OC-SB-517-0.0/1.0-XXX	T	Solid	MA-EPH	
480-30106-14	OC-SB-517-6.0/8.0-XXX	T	Solid	MA-EPH	
480-30106-15	OC-SB-517-18/20-XXX	T	Solid	MA-EPH	
480-30106-22	OC-DUP-4	T	Solid	MA-EPH	

Client: Olin Corporation

Job Number: 480-30106-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch

Report Basis

T = Total

Client: Olin Corporation

Job Number: 480-30106-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:480-95910					
480-30106-1	OC-SB-513-0.0/1.0-XXX	T	Solid	Moisture	
480-30106-2	OC-SB-513-7.0/9.0-XXX	T	Solid	Moisture	
480-30106-3	OC-SB-513-10/12-XXX	T	Solid	Moisture	
480-30106-4	OC-SB-514-0.0/1.0-XXX	T	Solid	Moisture	
480-30106-5	OC-SB-514-7.0/9.0-XXX	T	Solid	Moisture	
480-30106-6	OC-SB-514-15/17-XXX	T	Solid	Moisture	
480-30106-8	OC-SB-515-6.0/8.0-XXX	T	Solid	Moisture	
480-30106-9	OC-SB-515-13/15-XXX	T	Solid	Moisture	
480-30106-11	OC-SB-516-6.0/8.0-XXX	T	Solid	Moisture	
480-30106-12	OC-SB-516-15/17-XXX	T	Solid	Moisture	
480-30106-13	OC-SB-517-0.0/1.0-XXX	T	Solid	Moisture	
480-30106-14	OC-SB-517-6.0/8.0-XXX	T	Solid	Moisture	
480-30106-15	OC-SB-517-18/20-XXX	T	Solid	Moisture	
480-30106-16	OC-SB-524-0.0/1.0-XXX	T	Solid	Moisture	
480-30106-17	OC-SB-524-8.0/10-XXX	T	Solid	Moisture	
480-30106-18	OC-SB-524-27/29-XXX	T	Solid	Moisture	
480-30106-19	OC-SB-523-0.0/1.0-XXX	T	Solid	Moisture	
480-30106-20	OC-SB-523-6.0/8.0-XXX	T	Solid	Moisture	
480-30106-21	OC-SB-523-22/24-XXX	T	Solid	Moisture	
480-30106-22	OC-DUP-4	T	Solid	Moisture	
Analysis Batch:360-97381					
LCS 360-97382/1-A	Lab Control Sample	S	Solid	9045C	
480-30106-1	OC-SB-513-0.0/1.0-XXX	S	Solid	9045C	
480-30106-2	OC-SB-513-7.0/9.0-XXX	S	Solid	9045C	
480-30106-3	OC-SB-513-10/12-XXX	S	Solid	9045C	
480-30106-4	OC-SB-514-0.0/1.0-XXX	S	Solid	9045C	
480-30106-5	OC-SB-514-7.0/9.0-XXX	S	Solid	9045C	
480-30106-6	OC-SB-514-15/17-XXX	S	Solid	9045C	
480-30106-13	OC-SB-517-0.0/1.0-XXX	S	Solid	9045C	
480-30106-14	OC-SB-517-6.0/8.0-XXX	S	Solid	9045C	
480-30106-15	OC-SB-517-18/20-XXX	S	Solid	9045C	
480-30106-16	OC-SB-524-0.0/1.0-XXX	S	Solid	9045C	
480-30106-17	OC-SB-524-8.0/10-XXX	S	Solid	9045C	
480-30106-18	OC-SB-524-27/29-XXX	S	Solid	9045C	
480-30106-19	OC-SB-523-0.0/1.0-XXX	S	Solid	9045C	
480-30106-20	OC-SB-523-6.0/8.0-XXX	S	Solid	9045C	
480-30106-21	OC-SB-523-22/24-XXX	S	Solid	9045C	
480-30106-22	OC-DUP-4	S	Solid	9045C	
480-30106-22DU	Duplicate	S	Solid	9045C	

Client: Olin Corporation

Job Number: 480-30106-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Prep Batch: 360-97382					
LCS 360-97382/1-A	Lab Control Sample	S	Solid	DI Leach	
480-30106-1	OC-SB-513-0.0/1.0-XXX	S	Solid	DI Leach	
480-30106-2	OC-SB-513-7.0/9.0-XXX	S	Solid	DI Leach	
480-30106-3	OC-SB-513-10/12-XXX	S	Solid	DI Leach	
480-30106-4	OC-SB-514-0.0/1.0-XXX	S	Solid	DI Leach	
480-30106-5	OC-SB-514-7.0/9.0-XXX	S	Solid	DI Leach	
480-30106-6	OC-SB-514-15/17-XXX	S	Solid	DI Leach	
480-30106-13	OC-SB-517-0.0/1.0-XXX	S	Solid	DI Leach	
480-30106-14	OC-SB-517-6.0/8.0-XXX	S	Solid	DI Leach	
480-30106-15	OC-SB-517-18/20-XXX	S	Solid	DI Leach	
480-30106-16	OC-SB-524-0.0/1.0-XXX	S	Solid	DI Leach	
480-30106-17	OC-SB-524-8.0/10-XXX	S	Solid	DI Leach	
480-30106-18	OC-SB-524-27/29-XXX	S	Solid	DI Leach	
480-30106-19	OC-SB-523-0.0/1.0-XXX	S	Solid	DI Leach	
480-30106-20	OC-SB-523-6.0/8.0-XXX	S	Solid	DI Leach	
480-30106-21	OC-SB-523-22/24-XXX	S	Solid	DI Leach	
480-30106-22	OC-DUP-4	S	Solid	DI Leach	
480-30106-22DU	Duplicate	S	Solid	DI Leach	
Prep Batch: 360-97383					
LCS 360-97383/1-A	Lab Control Sample	S	Solid	DI Leach	
480-30106-1	OC-SB-513-0.0/1.0-XXX	S	Solid	DI Leach	
480-30106-2	OC-SB-513-7.0/9.0-XXX	S	Solid	DI Leach	
480-30106-3	OC-SB-513-10/12-XXX	S	Solid	DI Leach	
480-30106-4	OC-SB-514-0.0/1.0-XXX	S	Solid	DI Leach	
480-30106-5	OC-SB-514-7.0/9.0-XXX	S	Solid	DI Leach	
480-30106-6	OC-SB-514-15/17-XXX	S	Solid	DI Leach	
480-30106-6MS	Matrix Spike	S	Solid	DI Leach	
480-30106-6MSD	Matrix Spike Duplicate	S	Solid	DI Leach	
480-30106-13	OC-SB-517-0.0/1.0-XXX	S	Solid	DI Leach	
480-30106-14	OC-SB-517-6.0/8.0-XXX	S	Solid	DI Leach	
480-30106-15	OC-SB-517-18/20-XXX	S	Solid	DI Leach	
480-30106-16	OC-SB-524-0.0/1.0-XXX	S	Solid	DI Leach	
480-30106-17	OC-SB-524-8.0/10-XXX	S	Solid	DI Leach	
480-30106-18	OC-SB-524-27/29-XXX	S	Solid	DI Leach	
480-30106-19	OC-SB-523-0.0/1.0-XXX	S	Solid	DI Leach	
480-30106-20	OC-SB-523-6.0/8.0-XXX	S	Solid	DI Leach	
480-30106-21	OC-SB-523-22/24-XXX	S	Solid	DI Leach	
480-30106-22	OC-DUP-4	S	Solid	DI Leach	
480-30106-22DU	Duplicate	S	Solid	DI Leach	

Client: Olin Corporation

Job Number: 480-30106-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:360-97384					
LCS 360-97383/1-A	Lab Control Sample	S	Solid	SM 2580B	
480-30106-1	OC-SB-513-0.0/1.0-XXX	S	Solid	SM 2580B	
480-30106-2	OC-SB-513-7.0/9.0-XXX	S	Solid	SM 2580B	
480-30106-3	OC-SB-513-10/12-XXX	S	Solid	SM 2580B	
480-30106-4	OC-SB-514-0.0/1.0-XXX	S	Solid	SM 2580B	
480-30106-5	OC-SB-514-7.0/9.0-XXX	S	Solid	SM 2580B	
480-30106-6	OC-SB-514-15/17-XXX	S	Solid	SM 2580B	
480-30106-6MS	Matrix Spike	S	Solid	SM 2580B	
480-30106-6MSD	Matrix Spike Duplicate	S	Solid	SM 2580B	
480-30106-13	OC-SB-517-0.0/1.0-XXX	S	Solid	SM 2580B	
480-30106-14	OC-SB-517-6.0/8.0-XXX	S	Solid	SM 2580B	
480-30106-15	OC-SB-517-18/20-XXX	S	Solid	SM 2580B	
480-30106-16	OC-SB-524-0.0/1.0-XXX	S	Solid	SM 2580B	
480-30106-17	OC-SB-524-8.0/10-XXX	S	Solid	SM 2580B	
480-30106-18	OC-SB-524-27/29-XXX	S	Solid	SM 2580B	
480-30106-19	OC-SB-523-0.0/1.0-XXX	S	Solid	SM 2580B	
480-30106-20	OC-SB-523-6.0/8.0-XXX	S	Solid	SM 2580B	
480-30106-21	OC-SB-523-22/24-XXX	S	Solid	SM 2580B	
480-30106-22	OC-DUP-4	S	Solid	SM 2580B	
480-30106-22DU	Duplicate	S	Solid	SM 2580B	

Report Basis

S = Soluble

T = Total

Client: Olin Corporation

Job Number: 480-30106-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
HPLC/IC					
Prep Batch: 440-75585					
LCS 440-75585/2-A	Lab Control Sample	T	Solid	3060A	
MB 440-75585/1-A	Method Blank	T	Solid	3060A	
480-30106-1	OC-SB-513-0.0/1.0-XXX	T	Solid	3060A	
480-30106-1MS	Matrix Spike	T	Solid	3060A	
480-30106-1MSD	Matrix Spike Duplicate	T	Solid	3060A	
480-30106-1MSI	Matrix Spike Insoluble	T	Solid	3060A	
480-30106-2	OC-SB-513-7.0/9.0-XXX	T	Solid	3060A	
480-30106-3	OC-SB-513-10/12-XXX	T	Solid	3060A	
480-30106-4	OC-SB-514-0.0/1.0-XXX	T	Solid	3060A	
480-30106-5	OC-SB-514-7.0/9.0-XXX	T	Solid	3060A	
480-30106-6	OC-SB-514-15/17-XXX	T	Solid	3060A	
480-30106-6MS	Matrix Spike	T	Solid	3060A	
480-30106-6MSD	Matrix Spike Duplicate	T	Solid	3060A	
480-30106-6MSI	Matrix Spike Insoluble	T	Solid	3060A	
480-30106-13	OC-SB-517-0.0/1.0-XXX	T	Solid	3060A	
480-30106-14	OC-SB-517-6.0/8.0-XXX	T	Solid	3060A	
480-30106-15	OC-SB-517-18/20-XXX	T	Solid	3060A	
480-30106-16	OC-SB-524-0.0/1.0-XXX	T	Solid	3060A	
480-30106-17	OC-SB-524-8.0/10-XXX	T	Solid	3060A	
480-30106-18	OC-SB-524-27/29-XXX	T	Solid	3060A	
480-30106-19	OC-SB-523-0.0/1.0-XXX	T	Solid	3060A	
480-30106-20	OC-SB-523-6.0/8.0-XXX	T	Solid	3060A	
480-30106-21	OC-SB-523-22/24-XXX	T	Solid	3060A	
480-30106-22	OC-DUP-4	T	Solid	3060A	
Analysis Batch:440-76371					
LCS 440-75585/2-A	Lab Control Sample	T	Solid	7199	440-75585
MB 440-75585/1-A	Method Blank	T	Solid	7199	440-75585
480-30106-1	OC-SB-513-0.0/1.0-XXX	T	Solid	7199	440-75585
480-30106-1MS	Matrix Spike	T	Solid	7199	440-75585
480-30106-1MSD	Matrix Spike Duplicate	T	Solid	7199	440-75585
480-30106-1MSI	Matrix Spike Insoluble	T	Solid	7199	440-75585
480-30106-2	OC-SB-513-7.0/9.0-XXX	T	Solid	7199	440-75585
480-30106-3	OC-SB-513-10/12-XXX	T	Solid	7199	440-75585
480-30106-4	OC-SB-514-0.0/1.0-XXX	T	Solid	7199	440-75585
480-30106-5	OC-SB-514-7.0/9.0-XXX	T	Solid	7199	440-75585

Client: Olin Corporation

Job Number: 480-30106-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
HPLC/IC					
Analysis Batch:440-76481					
480-30106-6	OC-SB-514-15/17-XXX	T	Solid	7199	440-75585
480-30106-6MS	Matrix Spike	T	Solid	7199	440-75585
480-30106-6MSD	Matrix Spike Duplicate	T	Solid	7199	440-75585
480-30106-6MSI	Matrix Spike Insoluble	T	Solid	7199	440-75585
480-30106-13	OC-SB-517-0.0/1.0-XXX	T	Solid	7199	440-75585
480-30106-14	OC-SB-517-6.0/8.0-XXX	T	Solid	7199	440-75585
480-30106-15	OC-SB-517-18/20-XXX	T	Solid	7199	440-75585
480-30106-16	OC-SB-524-0.0/1.0-XXX	T	Solid	7199	440-75585
480-30106-17	OC-SB-524-8.0/10-XXX	T	Solid	7199	440-75585
480-30106-18	OC-SB-524-27/29-XXX	T	Solid	7199	440-75585
480-30106-19	OC-SB-523-0.0/1.0-XXX	T	Solid	7199	440-75585
480-30106-20	OC-SB-523-6.0/8.0-XXX	T	Solid	7199	440-75585
480-30106-21	OC-SB-523-22/24-XXX	T	Solid	7199	440-75585
480-30106-22	OC-DUP-4	T	Solid	7199	440-75585

Report Basis

T = Total

Client: Olin Corporation

Job Number: 480-30106-1

Laboratory Chronicle

Lab ID: 480-30106-1 **Client ID:** OC-SB-513-0.0/1.0-XXX

Sample Date/Time: 12/12/2012 08:20 Received Date/Time: 12/12/2012 18:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	480-30106-A-1-E		440-76371	440-75585	12/27/2012 09:26	10	TAL IRV	QPD
A:7199	480-30106-A-1-E		440-76371	440-75585	12/31/2012 13:52	10	TAL IRV	SP
A:9045C	480-30106-A-1-A		360-97381		12/13/2012 08:15	1	TAL WFD	RWE
A:Moisture	480-30106-A-1		480-95910		12/14/2012 14:48	1	TAL BUF	MD
A:SM 2580B	480-30106-A-1-B		360-97384		12/13/2012 08:15	1	TAL WFD	RWE

Lab ID: 480-30106-1 MS **Client ID:** OC-SB-513-0.0/1.0-XXX

Sample Date/Time: 12/12/2012 08:20 Received Date/Time: 12/12/2012 18:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	480-30106-A-1-F MS		440-76371	440-75585	12/27/2012 09:26	10	TAL IRV	QPD
A:7199	480-30106-A-1-F MS		440-76371	440-75585	12/31/2012 14:05	10	TAL IRV	SP

Lab ID: 480-30106-1 MSD **Client ID:** OC-SB-513-0.0/1.0-XXX

Sample Date/Time: 12/12/2012 08:20 Received Date/Time: 12/12/2012 18:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	480-30106-A-1-G MSD		440-76371	440-75585	12/27/2012 09:26	10	TAL IRV	QPD
A:7199	480-30106-A-1-G MSD		440-76371	440-75585	12/31/2012 14:17	10	TAL IRV	SP

Lab ID: 480-30106-1 MSI **Client ID:** OC-SB-513-0.0/1.0-XXX

Sample Date/Time: 12/12/2012 08:20 Received Date/Time: 12/12/2012 18:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	480-30106-A-1-H MSI		440-76371	440-75585	12/27/2012 09:26	1000	TAL IRV	QPD
A:7199	480-30106-A-1-H MSI		440-76371	440-75585	12/31/2012 14:30	1000	TAL IRV	SP

Lab ID: 480-30106-2 **Client ID:** OC-SB-513-7.0/9.0-XXX

Sample Date/Time: 12/12/2012 08:25 Received Date/Time: 12/12/2012 18:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	480-30106-A-2-E		440-76371	440-75585	12/27/2012 09:26	10	TAL IRV	QPD
A:7199	480-30106-A-2-E		440-76371	440-75585	12/31/2012 14:43	10	TAL IRV	SP
A:9045C	480-30106-A-2-A		360-97381		12/13/2012 08:18	1	TAL WFD	RWE
A:Moisture	480-30106-A-2		480-95910		12/14/2012 14:48	1	TAL BUF	MD
A:SM 2580B	480-30106-A-2-B		360-97384		12/13/2012 08:18	1	TAL WFD	RWE

Client: Olin Corporation

Job Number: 480-30106-1

Laboratory Chronicle

Lab ID: **480-30106-3** **Client ID:** **OC-SB-513-10/12-XXX**

Sample Date/Time: 12/12/2012 08:30 Received Date/Time: 12/12/2012 18:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	480-30106-A-3-E		440-76371	440-75585	12/27/2012 09:26	10	TAL IRV	QPD
A:7199	480-30106-A-3-E		440-76371	440-75585	12/31/2012 14:55	10	TAL IRV	SP
A:9045C	480-30106-A-3-A		360-97381		12/13/2012 08:22	1	TAL WFD	RWE
A:Moisture	480-30106-A-3		480-95910		12/14/2012 14:48	1	TAL BUF	MD
A:SM 2580B	480-30106-A-3-B		360-97384		12/13/2012 08:22	1	TAL WFD	RWE

Lab ID: **480-30106-4** **Client ID:** **OC-SB-514-0.0/1.0-XXX**

Sample Date/Time: 12/12/2012 08:50 Received Date/Time: 12/12/2012 18:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-30106-E-4-A		480-96317	480-96335	12/18/2012 09:04	1	TAL BUF	LH
A:8260C	480-30106-E-4-A		480-96317	480-96335	12/18/2012 12:48	1	TAL BUF	RL
P:3546	480-30106-B-4-F		480-96803	480-96561	12/19/2012 09:30	1	TAL BUF	DE
A:8270D	480-30106-B-4-F		480-96803	480-96561	12/20/2012 16:33	1	TAL BUF	RMM
P:3546	480-30106-B-4-D		480-97357	480-96085	12/19/2012 08:06	1	TAL BUF	DE
A:MA-EPH	480-30106-B-4-D		480-97357	480-96085	12/26/2012 11:11	1	TAL BUF	DB
A:MA-EPH	480-30106-B-4		480-97835		12/30/2012 21:05	1	TAL BUF	GR
P:3060A	480-30106-A-4-E		440-76371	440-75585	12/27/2012 09:26	10	TAL IRV	QPD
A:7199	480-30106-A-4-E		440-76371	440-75585	12/31/2012 15:08	10	TAL IRV	SP
A:9045C	480-30106-A-4-A		360-97381		12/13/2012 08:33	1	TAL WFD	RWE
A:Moisture	480-30106-A-4		480-95910		12/14/2012 14:48	1	TAL BUF	MD
A:SM 2580B	480-30106-A-4-B		360-97384		12/13/2012 08:33	1	TAL WFD	RWE

Lab ID: **480-30106-5** **Client ID:** **OC-SB-514-7.0/9.0-XXX**

Sample Date/Time: 12/12/2012 09:00 Received Date/Time: 12/12/2012 18:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	480-30106-B-5-B		480-96568	480-96302	12/18/2012 08:12	1	TAL BUF	CM
A:8270D	480-30106-B-5-B		480-96568	480-96302	12/19/2012 19:21	1	TAL BUF	RMM
P:3546	480-30106-B-5-E		480-97357	480-96085	12/19/2012 08:06	1	TAL BUF	DE
A:MA-EPH	480-30106-B-5-E		480-97357	480-96085	12/26/2012 11:40	1	TAL BUF	DB
A:MA-EPH	480-30106-B-5		480-97835		12/30/2012 21:05	1	TAL BUF	GR
P:3060A	480-30106-A-5-E		440-76371	440-75585	12/27/2012 09:26	10	TAL IRV	QPD
A:7199	480-30106-A-5-E		440-76371	440-75585	12/31/2012 15:21	10	TAL IRV	SP
A:9045C	480-30106-A-5-A		360-97381		12/13/2012 08:37	1	TAL WFD	RWE
A:Moisture	480-30106-A-5		480-95910		12/14/2012 14:48	1	TAL BUF	MD
A:SM 2580B	480-30106-A-5-B		360-97384		12/13/2012 08:37	1	TAL WFD	RWE

Client: Olin Corporation

Job Number: 480-30106-1

Laboratory Chronicle

Lab ID: **480-30106-6** **Client ID:** **OC-SB-514-15/17-XXX**

Sample Date/Time: 12/12/2012 09:20 Received Date/Time: 12/12/2012 18:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	480-30106-B-6-D		480-96568	480-96302	12/18/2012 08:12	1	TAL BUF	CM
A:8270D	480-30106-B-6-D		480-96568	480-96302	12/19/2012 19:47	1	TAL BUF	RMM
P:3546	480-30106-B-6-G		480-97357	480-96085	12/19/2012 08:06	1	TAL BUF	DE
A:MA-EPH	480-30106-B-6-G		480-97357	480-96085	12/26/2012 12:10	1	TAL BUF	DB
A:MA-EPH	480-30106-B-6		480-97835		12/30/2012 21:05	1	TAL BUF	GR
P:3060A	480-30106-A-6-Q		440-76481	440-75585	12/27/2012 09:26	10	TAL IRV	QPD
A:7199	480-30106-A-6-Q		440-76481	440-75585	01/01/2013 17:03	10	TAL IRV	RW
A:9045C	480-30106-A-6-A		360-97381		12/13/2012 08:42	1	TAL WFD	RWE
A:Moisture	480-30106-A-6		480-95910		12/14/2012 14:48	1	TAL BUF	MD
A:SM 2580B	480-30106-A-6-D		360-97384		12/13/2012 08:42	1	TAL WFD	RWE

Lab ID: **480-30106-6** **Client ID:** **OC-SB-514-15/17-XXX**

Sample Date/Time: 12/12/2012 09:20 Received Date/Time: 12/12/2012 18:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	480-30106-B-6-B MS		480-96568	480-96302	12/18/2012 08:12	1	TAL BUF	CM
A:8270D	480-30106-B-6-B MS		480-96568	480-96302	12/19/2012 18:29	1	TAL BUF	RMM
P:3060A	480-30106-A-6-R MS		440-76481	440-75585	12/27/2012 09:26	10	TAL IRV	QPD
A:7199	480-30106-A-6-R MS		440-76481	440-75585	01/01/2013 17:15	10	TAL IRV	RW
A:SM 2580B	480-30106-A-6-G MS		360-97384		12/13/2012 09:20	1	TAL WFD	RWE

Lab ID: **480-30106-6** **Client ID:** **OC-SB-514-15/17-XXX**

Sample Date/Time: 12/12/2012 09:20 Received Date/Time: 12/12/2012 18:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	480-30106-B-6-C MSD		480-96568	480-96302	12/18/2012 08:12	1	TAL BUF	CM
A:8270D	480-30106-B-6-C MSD		480-96568	480-96302	12/19/2012 18:55	1	TAL BUF	RMM
P:3060A	480-30106-A-6-S MSD		440-76481	440-75585	12/27/2012 09:26	10	TAL IRV	QPD
A:7199	480-30106-A-6-S MSD		440-76481	440-75585	01/01/2013 17:28	10	TAL IRV	RW
A:SM 2580B	480-30106-A-6-H MSD		360-97384		12/13/2012 09:20	1	TAL WFD	RWE

Lab ID: **480-30106-6 MSI** **Client ID:** **OC-SB-514-15/17-XXX**

Sample Date/Time: 12/12/2012 09:20 Received Date/Time: 12/12/2012 18:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	480-30106-A-6-T MSI		440-76481	440-75585	12/27/2012 09:26	1000	TAL IRV	QPD
A:7199	480-30106-A-6-T MSI		440-76481	440-75585	01/01/2013 17:41	1000	TAL IRV	RW

Client: Olin Corporation

Job Number: 480-30106-1

Laboratory Chronicle

Lab ID: **480-30106-8** **Client ID:** **OC-SB-515-6.0/8.0-XXX**

Sample Date/Time: 12/12/2012 10:20 Received Date/Time: 12/12/2012 18:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-30106-C-8-A		480-96317	480-96335	12/18/2012 09:04	1	TAL BUF	LH
A:8260C	480-30106-C-8-A		480-96317	480-96335	12/18/2012 14:24	1	TAL BUF	RL
P:3546	480-30106-A-8-B		480-96568	480-96302	12/18/2012 08:12	1	TAL BUF	CM
A:8270D	480-30106-A-8-B		480-96568	480-96302	12/19/2012 20:12	1	TAL BUF	RMM
P:3546	480-30106-A-8-E		480-97357	480-96085	12/19/2012 08:06	1	TAL BUF	DE
A:MA-EPH	480-30106-A-8-E		480-97357	480-96085	12/26/2012 12:39	1	TAL BUF	DB
A:MA-EPH	480-30106-A-8		480-97835		12/30/2012 21:05	1	TAL BUF	GR
A:Moisture	480-30106-A-8		480-95910		12/14/2012 14:48	1	TAL BUF	MD

Lab ID: **480-30106-9** **Client ID:** **OC-SB-515-13/15-XXX**

Sample Date/Time: 12/12/2012 10:45 Received Date/Time: 12/12/2012 18:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-30106-C-9-A		480-96317	480-96335	12/18/2012 09:04	1	TAL BUF	LH
A:8260C	480-30106-C-9-A		480-96317	480-96335	12/18/2012 14:48	1	TAL BUF	RL
P:3546	480-30106-A-9-B		480-96803	480-96302	12/18/2012 08:12	1	TAL BUF	CM
A:8270D	480-30106-A-9-B		480-96803	480-96302	12/20/2012 11:01	1	TAL BUF	RMM
P:3546	480-30106-A-9-E		480-97357	480-96085	12/19/2012 08:06	1	TAL BUF	DE
A:MA-EPH	480-30106-A-9-E		480-97357	480-96085	12/26/2012 13:09	1	TAL BUF	DB
A:MA-EPH	480-30106-A-9		480-97835		12/30/2012 21:05	1	TAL BUF	GR
A:Moisture	480-30106-A-9		480-95910		12/14/2012 14:48	1	TAL BUF	MD

Lab ID: **480-30106-11** **Client ID:** **OC-SB-516-6.0/8.0-XXX**

Sample Date/Time: 12/12/2012 11:25 Received Date/Time: 12/12/2012 18:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-30106-C-11-A		480-96317	480-96335	12/18/2012 09:04	1	TAL BUF	LH
A:8260C	480-30106-C-11-A		480-96317	480-96335	12/18/2012 15:35	1	TAL BUF	RL
P:3546	480-30106-A-11-B		480-96568	480-96302	12/18/2012 08:12	1	TAL BUF	CM
A:8270D	480-30106-A-11-B		480-96568	480-96302	12/19/2012 21:03	1	TAL BUF	RMM
P:3546	480-30106-A-11-E		480-97357	480-96085	12/19/2012 08:06	1	TAL BUF	DE
A:MA-EPH	480-30106-A-11-E		480-97357	480-96085	12/26/2012 13:38	1	TAL BUF	DB
A:MA-EPH	480-30106-A-11		480-97835		12/30/2012 21:05	1	TAL BUF	GR
A:Moisture	480-30106-A-11		480-95910		12/14/2012 14:48	1	TAL BUF	MD

Client: Olin Corporation

Job Number: 480-30106-1

Laboratory Chronicle

Lab ID: **480-30106-12** **Client ID:** **OC-SB-516-15/17-XXX**

Sample Date/Time: 12/12/2012 11:40 Received Date/Time: 12/12/2012 18:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-30106-C-12-A		480-96317	480-96335	12/18/2012 09:04	1	TAL BUF	LH
A:8260C	480-30106-C-12-A		480-96317	480-96335	12/18/2012 15:59	1	TAL BUF	RL
P:3546	480-30106-A-12-B		480-96568	480-96302	12/18/2012 08:12	1	TAL BUF	CM
A:8270D	480-30106-A-12-B		480-96568	480-96302	12/19/2012 21:28	1	TAL BUF	RMM
P:3546	480-30106-A-12-E		480-97357	480-96085	12/19/2012 08:06	1	TAL BUF	DE
A:MA-EPH	480-30106-A-12-E		480-97357	480-96085	12/26/2012 14:07	1	TAL BUF	DB
A:MA-EPH	480-30106-A-12		480-97835		12/30/2012 21:05	1	TAL BUF	GR
A:Moisture	480-30106-A-12		480-95910		12/14/2012 14:48	1	TAL BUF	MD

Lab ID: **480-30106-13** **Client ID:** **OC-SB-517-0.0/1.0-XXX**

Sample Date/Time: 12/12/2012 12:15 Received Date/Time: 12/12/2012 18:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-30106-E-13-A		480-96317	480-96335	12/18/2012 09:04	1	TAL BUF	LH
A:8260C	480-30106-E-13-A		480-96317	480-96335	12/18/2012 16:23	1	TAL BUF	RL
P:3546	480-30106-B-13-B		480-96568	480-96302	12/18/2012 08:12	1	TAL BUF	CM
A:8270D	480-30106-B-13-B		480-96568	480-96302	12/19/2012 21:54	1	TAL BUF	RMM
P:3546	480-30106-B-13-B	DL	480-96803	480-96302	12/18/2012 08:12	20	TAL BUF	CM
A:8270D	480-30106-B-13-B	DL	480-96803	480-96302	12/20/2012 14:51	20	TAL BUF	RMM
P:3546	480-30106-B-13-E		480-97357	480-96085	12/19/2012 08:06	1	TAL BUF	DE
A:MA-EPH	480-30106-B-13-E		480-97357	480-96085	12/26/2012 15:07	1	TAL BUF	DB
A:MA-EPH	480-30106-B-13		480-97835		12/30/2012 21:05	1	TAL BUF	GR
P:3060A	480-30106-A-13-E		440-76481	440-75585	12/27/2012 09:26	10	TAL IRV	QPD
A:7199	480-30106-A-13-E		440-76481	440-75585	01/01/2013 17:53	10	TAL IRV	RW
A:9045C	480-30106-A-13-A		360-97381		12/13/2012 08:46	1	TAL WFD	RWE
A:Moisture	480-30106-A-13		480-95910		12/14/2012 14:48	1	TAL BUF	MD
A:SM 2580B	480-30106-A-13-B		360-97384		12/13/2012 08:46	1	TAL WFD	RWE

Client: Olin Corporation

Job Number: 480-30106-1

Laboratory Chronicle

Lab ID: **480-30106-14** **Client ID:** **OC-SB-517-6.0/8.0-XXX**

Sample Date/Time: 12/12/2012 12:20 Received Date/Time: 12/12/2012 18:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-30106-E-14-A		480-96317	480-96335	12/18/2012 09:04	1	TAL BUF	LH
A:8260C	480-30106-E-14-A		480-96317	480-96335	12/18/2012 16:46	1	TAL BUF	RL
P:3546	480-30106-B-14-B		480-96568	480-96302	12/18/2012 08:12	1	TAL BUF	CM
A:8270D	480-30106-B-14-B		480-96568	480-96302	12/19/2012 22:19	1	TAL BUF	RMM
P:3546	480-30106-B-14-B	DL	480-96803	480-96302	12/18/2012 08:12	10	TAL BUF	CM
A:8270D	480-30106-B-14-B	DL	480-96803	480-96302	12/20/2012 11:52	10	TAL BUF	RMM
P:3546	480-30106-B-14-E		480-97357	480-96085	12/19/2012 08:06	1	TAL BUF	DE
A:MA-EPH	480-30106-B-14-E		480-97357	480-96085	12/26/2012 15:36	1	TAL BUF	DB
A:MA-EPH	480-30106-B-14		480-97835		12/30/2012 21:05	1	TAL BUF	GR
P:3060A	480-30106-A-14-E		440-76481	440-75585	12/27/2012 09:26	10	TAL IRV	QPD
A:7199	480-30106-A-14-E		440-76481	440-75585	01/01/2013 18:06	10	TAL IRV	RW
A:9045C	480-30106-A-14-A		360-97381		12/13/2012 08:50	1	TAL WFD	RWE
A:Moisture	480-30106-A-14		480-95910		12/14/2012 14:48	1	TAL BUF	MD
A:SM 2580B	480-30106-A-14-B		360-97384		12/13/2012 08:50	1	TAL WFD	RWE

Lab ID: **480-30106-15** **Client ID:** **OC-SB-517-18/20-XXX**

Sample Date/Time: 12/12/2012 12:40 Received Date/Time: 12/12/2012 18:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-30106-E-15-A		480-96317	480-96335	12/18/2012 09:04	1	TAL BUF	LH
A:8260C	480-30106-E-15-A		480-96317	480-96335	12/18/2012 17:10	1	TAL BUF	RL
P:3546	480-30106-B-15-B		480-96568	480-96302	12/18/2012 08:12	1	TAL BUF	CM
A:8270D	480-30106-B-15-B		480-96568	480-96302	12/19/2012 22:45	1	TAL BUF	RMM
P:3546	480-30106-B-15-E		480-97357	480-96085	12/19/2012 08:06	1	TAL BUF	DE
A:MA-EPH	480-30106-B-15-E		480-97357	480-96085	12/26/2012 16:05	1	TAL BUF	DB
A:MA-EPH	480-30106-B-15		480-97835		12/30/2012 21:05	1	TAL BUF	GR
P:3060A	480-30106-A-15-E		440-76481	440-75585	12/27/2012 09:26	10	TAL IRV	QPD
A:7199	480-30106-A-15-E		440-76481	440-75585	01/01/2013 18:19	10	TAL IRV	RW
A:9045C	480-30106-A-15-A		360-97381		12/13/2012 08:53	1	TAL WFD	RWE
A:Moisture	480-30106-A-15		480-95910		12/14/2012 14:48	1	TAL BUF	MD
A:SM 2580B	480-30106-A-15-B		360-97384		12/13/2012 08:53	1	TAL WFD	RWE

Lab ID: **480-30106-16** **Client ID:** **OC-SB-524-0.0/1.0-XXX**

Sample Date/Time: 12/12/2012 13:10 Received Date/Time: 12/12/2012 18:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	480-30106-A-16-E		440-76481	440-75585	12/27/2012 09:26	10	TAL IRV	QPD
A:7199	480-30106-A-16-E		440-76481	440-75585	01/01/2013 18:31	10	TAL IRV	RW
A:9045C	480-30106-A-16-A		360-97381		12/13/2012 08:59	1	TAL WFD	RWE
A:Moisture	480-30106-A-16		480-95910		12/14/2012 14:48	1	TAL BUF	MD
A:SM 2580B	480-30106-A-16-B		360-97384		12/13/2012 08:59	1	TAL WFD	RWE

Client: Olin Corporation

Job Number: 480-30106-1

Laboratory Chronicle

Lab ID: **480-30106-17** **Client ID:** **OC-SB-524-8.0/10-XXX**

Sample Date/Time: 12/12/2012 13:20 Received Date/Time: 12/12/2012 18:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	480-30106-A-17-E		440-76481	440-75585	12/27/2012 09:26	10	TAL IRV	QPD
A:7199	480-30106-A-17-E		440-76481	440-75585	01/01/2013 18:44	10	TAL IRV	RW
A:9045C	480-30106-A-17-A		360-97381		12/13/2012 09:06	1	TAL WFD	RWE
A:Moisture	480-30106-A-17		480-95910		12/14/2012 14:48	1	TAL BUF	MD
A:SM 2580B	480-30106-A-17-B		360-97384		12/13/2012 09:06	1	TAL WFD	RWE

Lab ID: **480-30106-18** **Client ID:** **OC-SB-524-27/29-XXX**

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

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	480-30106-A-18-E		440-76481	440-75585	12/27/2012 09:26	10	TAL IRV	QPD
A:7199	480-30106-A-18-E		440-76481	440-75585	01/01/2013 18:57	10	TAL IRV	RW
A:9045C	480-30106-A-18-A		360-97381		12/13/2012 09:10	1	TAL WFD	RWE
A:Moisture	480-30106-A-18		480-95910		12/14/2012 14:48	1	TAL BUF	MD
A:SM 2580B	480-30106-A-18-B		360-97384		12/13/2012 09:10	1	TAL WFD	RWE

Lab ID: **480-30106-19** **Client ID:** **OC-SB-523-0.0/1.0-XXX**

Sample Date/Time: 12/12/2012 13:45 Received Date/Time: 12/12/2012 18:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	480-30106-A-19-E		440-76481	440-75585	12/27/2012 09:26	10	TAL IRV	QPD
A:7199	480-30106-A-19-E		440-76481	440-75585	01/01/2013 19:35	10	TAL IRV	RW
A:9045C	480-30106-A-19-A		360-97381		12/13/2012 09:14	1	TAL WFD	RWE
A:Moisture	480-30106-A-19		480-95910		12/14/2012 14:48	1	TAL BUF	MD
A:SM 2580B	480-30106-A-19-B		360-97384		12/13/2012 09:14	1	TAL WFD	RWE

Lab ID: **480-30106-20** **Client ID:** **OC-SB-523-6.0/8.0-XXX**

Sample Date/Time: 12/12/2012 13:50 Received Date/Time: 12/12/2012 18:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	480-30106-A-20-E		440-76481	440-75585	12/27/2012 09:26	10	TAL IRV	QPD
A:7199	480-30106-A-20-E		440-76481	440-75585	01/01/2013 19:47	10	TAL IRV	RW
A:9045C	480-30106-A-20-A		360-97381		12/13/2012 09:19	1	TAL WFD	RWE
A:Moisture	480-30106-A-20		480-95910		12/14/2012 14:48	1	TAL BUF	MD
A:SM 2580B	480-30106-A-20-B		360-97384		12/13/2012 09:19	1	TAL WFD	RWE

Client: Olin Corporation

Job Number: 480-30106-1

Laboratory Chronicle

Lab ID: 480-30106-21 **Client ID:** OC-SB-523-22/24-XXX

Sample Date/Time: 12/12/2012 14:10 Received Date/Time: 12/12/2012 18:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	480-30106-A-21-E		440-76481	440-75585	12/27/2012 09:26	10	TAL IRV	QPD
A:7199	480-30106-A-21-E		440-76481	440-75585	01/01/2013 20:00	10	TAL IRV	RW
A:9045C	480-30106-A-21-A		360-97381		12/13/2012 09:22	1	TAL WFD	RWE
A:Moisture	480-30106-A-21		480-95910		12/14/2012 14:48	1	TAL BUF	MD
A:SM 2580B	480-30106-A-21-B		360-97384		12/13/2012 09:22	1	TAL WFD	RWE

Lab ID: 480-30106-22 **Client ID:** OC-DUP-4

Sample Date/Time: 12/12/2012 00:00 Received Date/Time: 12/12/2012 18:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	480-30106-B-22-D		480-97357	480-96085	12/19/2012 08:06	1	TAL BUF	DE
A:MA-EPH	480-30106-B-22-D		480-97357	480-96085	12/26/2012 16:35	1	TAL BUF	DB
A:MA-EPH	480-30106-B-22		480-97835		12/30/2012 21:05	1	TAL BUF	GR
P:3060A	480-30106-A-22-G		440-76481	440-75585	12/27/2012 09:26	10	TAL IRV	QPD
A:7199	480-30106-A-22-G		440-76481	440-75585	01/01/2013 20:13	10	TAL IRV	RW
A:9045C	480-30106-A-22-A		360-97381		12/13/2012 09:28	1	TAL WFD	RWE
A:Moisture	480-30106-A-22		480-95910		12/14/2012 14:48	1	TAL BUF	MD
A:SM 2580B	480-30106-A-22-C		360-97384		12/13/2012 09:28	1	TAL WFD	RWE

Lab ID: 480-30106-22 DU **Client ID:** OC-DUP-4

Sample Date/Time: 12/12/2012 00:00 Received Date/Time: 12/12/2012 18:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9045C	480-30106-A-22-B DU		360-97381		12/13/2012 09:33	1	TAL WFD	RWE
A:SM 2580B	480-30106-A-22-D DU		360-97384		12/13/2012 09:33	1	TAL WFD	RWE

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

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

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	MB 480-96335/2-A		480-96317	480-96335	12/18/2012 09:04	1	TAL BUF	LH
A:8260C	MB 480-96335/2-A		480-96317	480-96335	12/18/2012 12:16	1	TAL BUF	RL
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 480-96561/1-A		480-96803	480-96561	12/19/2012 09:30	1	TAL BUF	DE
A:8270D	MB 480-96561/1-A		480-96803	480-96561	12/20/2012 15:17	1	TAL BUF	RMM
P: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 440-75585/1-A		440-76371	440-75585	12/27/2012 09:26	10	TAL IRV	QPD
A:7199	MB 440-75585/1-A		440-76371	440-75585	12/31/2012 13:27	10	TAL IRV	SP

Client: Olin Corporation

Job Number: 480-30106-1

Laboratory Chronicle

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

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

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	LCS 480-96335/1-A		480-96317	480-96335	12/18/2012 09:04	1	TAL BUF	LH
A:8260C	LCS 480-96335/1-A		480-96317	480-96335	12/18/2012 11:04	1	TAL BUF	RL
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 480-96561/2-A		480-96803	480-96561	12/19/2012 09:30	1	TAL BUF	DE
A:8270D	LCS 480-96561/2-A		480-96803	480-96561	12/20/2012 15:42	1	TAL BUF	RMM
P: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 440-75585/2-A		440-76371	440-75585	12/27/2012 09:26	10	TAL IRV	QPD
A:7199	LCS 440-75585/2-A		440-76371	440-75585	12/31/2012 13:39	10	TAL IRV	SP
A:9045C	LCS 360-97382/1-A		360-97381		12/13/2012 07:48	1	TAL WFD	RWE
A:SM 2580B	LCS 360-97383/1-A		360-97384		12/13/2012 07:55	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
P:5035	LCSD 480-96335/15-A		480-96317	480-96335	12/18/2012 09:10	1	TAL BUF	LH
A:8260C	LCSD 480-96335/15-A		480-96317	480-96335	12/18/2012 11:29	1	TAL BUF	RL
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 480-96561/3-A		480-96803	480-96561	12/19/2012 09:30	1	TAL BUF	DE
A:8270D	LCSD 480-96561/3-A		480-96803	480-96561	12/20/2012 16:08	1	TAL BUF	RMM
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

TestAmerica Job ID: 480-30106-1

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.: 480-30106-1

SDG No.:

Matrix: Solid Level: Medium

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

Client Sample ID	Lab Sample ID	DCA #	TOL #	BFB #
OC-SB-514-0.0/1.0-XXX	480-30106-4	119	116	113
OC-SB-515-6.0/8.0-XXX	480-30106-8	119	118	116
OC-SB-515-13/15-XXX	480-30106-9	118	115	115
OC-SB-516-6.0/8.0-XXX	480-30106-11	117	118	116
OC-SB-516-15/17-XXX	480-30106-12	116	118	116
OC-SB-517-0.0/1.0-XXX	480-30106-13	114	116	113
OC-SB-517-6.0/8.0-XXX	480-30106-14	117	117	113
OC-SB-517-18/20-XXX	480-30106-15	121	114	111
	MB 480-96335/2-A	119	117	113
	LCS 480-96335/1-A	120	116	115
	LCSD 480-96335/15-A	119	116	120

	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.: 480-30106-1

SDG No.:

Matrix: Solid Level: Medium Lab File ID: T4476.D

Lab ID: LCS 480-96335/1-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
2,4,4-Trimethyl-1-pentene	2480	2350	95	70-130	
2,4,4-Trimethyl-2-pentene	2480	2740	110	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.: 480-30106-1

SDG No.:

Matrix: Solid Level: Medium Lab File ID: T4477.D

Lab ID: LCSD 480-96335/15-A 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	2500	2270	91	4	20	70-130	
2,4,4-Trimethyl-2-pentene	2500	2690	108	2	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.: 480-30106-1

SDG No.:

Lab File ID: T4479.D Lab Sample ID: MB 480-96335/2-A

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

Instrument ID: HP5975T Date Analyzed: 12/18/2012 12:16

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 480-96335/1-A	T4476.D	12/18/2012 11:04
	LCSD 480-96335/15-A	T4477.D	12/18/2012 11:29
OC-SB-514-0.0/1.0-XXX	480-30106-4	T4480.D	12/18/2012 12:48
OC-SB-515-6.0/8.0-XXX	480-30106-8	T4484.D	12/18/2012 14:24
OC-SB-515-13/15-XXX	480-30106-9	T4485.D	12/18/2012 14:48
OC-SB-516-6.0/8.0-XXX	480-30106-11	T4487.D	12/18/2012 15:35
OC-SB-516-15/17-XXX	480-30106-12	T4488.D	12/18/2012 15:59
OC-SB-517-0.0/1.0-XXX	480-30106-13	T4489.D	12/18/2012 16:23
OC-SB-517-6.0/8.0-XXX	480-30106-14	T4490.D	12/18/2012 16:46
OC-SB-517-18/20-XXX	480-30106-15	T4491.D	12/18/2012 17:10

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

Lab Name: TestAmerica Buffalo Job No.: 480-30106-1

SDG No.:

Lab File ID: T3852.D BFB Injection Date: 12/03/2012

Instrument ID: HP5975T BFB Injection Time: 11:40

Analysis Batch No.: 93813

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	19.7	
75	30.0 - 60.0 % of mass 95	48.9	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.4	
173	Less than 2.0 % of mass 174	0.6	(0.8)1
174	50.0 - 120.00 % of mass 95	77.9	
175	5.0 - 9.0 % of mass 174	5.7	(7.3)1
176	95.0 - 101.0 % of mass 174	75.2	(96.5)1
177	5.0 - 9.0 % of mass 176	4.5	(5.9)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
	IC 480-93813/4	T3857.D	12/03/2012	13:54
	IC 480-93813/5	T3858.D	12/03/2012	14:18
	ICIS 480-93813/6	T3859.D	12/03/2012	14:42
	IC 480-93813/7	T3860.D	12/03/2012	15:06
	IC 480-93813/8	T3861.D	12/03/2012	15:29
	IC 480-93813/11	T3867.D	12/03/2012	17:52
	IC 480-93813/12	T3868.D	12/03/2012	18:17
	IC 480-93813/13	T3869.D	12/03/2012	18:40
	IC 480-93813/14	T3870.D	12/03/2012	19:04
	IC 480-93813/15	T3871.D	12/03/2012	19:28
	IC 480-93813/16	T3872.D	12/03/2012	19:52
	IC 480-93813/2	T3874.D	12/03/2012	20:40
	IC 480-93813/3	T3875.D	12/03/2012	21:04

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

Lab Name: TestAmerica Buffalo Job No.: 480-30106-1

SDG No.:

Lab File ID: T4473.D BFB Injection Date: 12/18/2012

Instrument ID: HP5975T BFB Injection Time: 09:39

Analysis Batch No.: 96317

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	22.9	
75	30.0 - 60.0 % of mass 95	53.9	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.8	
173	Less than 2.0 % of mass 174	0.4	(0.5)1
174	50.0 - 120.00 % of mass 95	71.6	
175	5.0 - 9.0 % of mass 174	5.8	(8.1)1
176	95.0 - 101.0 % of mass 174	69.9	(97.5)1
177	5.0 - 9.0 % of mass 176	4.0	(5.8)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 480-96317/2	T4474.D	12/18/2012	10:04
	CCV 480-96317/3	T4475.D	12/18/2012	10:41
	LCS 480-96335/1-A	T4476.D	12/18/2012	11:04
	LCSD 480-96335/15-A	T4477.D	12/18/2012	11:29
	MB 480-96335/2-A	T4479.D	12/18/2012	12:16
OC-SB-514-0.0/1.0-XXX	480-30106-4	T4480.D	12/18/2012	12:48
OC-SB-515-6.0/8.0-XXX	480-30106-8	T4484.D	12/18/2012	14:24
OC-SB-515-13/15-XXX	480-30106-9	T4485.D	12/18/2012	14:48
OC-SB-516-6.0/8.0-XXX	480-30106-11	T4487.D	12/18/2012	15:35
OC-SB-516-15/17-XXX	480-30106-12	T4488.D	12/18/2012	15:59
OC-SB-517-0.0/1.0-XXX	480-30106-13	T4489.D	12/18/2012	16:23
OC-SB-517-6.0/8.0-XXX	480-30106-14	T4490.D	12/18/2012	16:46
OC-SB-517-18/20-XXX	480-30106-15	T4491.D	12/18/2012	17:10

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

Lab Name: TestAmerica Buffalo Job No.: 480-30106-1

SDG No.:

Sample No.: ICIS 480-93813/6 Date Analyzed: 12/03/2012 14:42

Instrument ID: HP5975T GC Column: ZB-624 (60) ID: 0.25(mm)

Lab File ID (Standard): T3859.D Heated Purge: (Y/N) N

Calibration ID: 11363

		DFB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		659853	4.50	596983	6.71	289370	8.56
UPPER LIMIT							
LOWER LIMIT							
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 480-96317/2		594415	4.50	556466	6.71	256704	8.56

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.: 480-30106-1

SDG No.:

Sample No.: CCVIS 480-96317/2 Date Analyzed: 12/18/2012 10:04

Instrument ID: HP5975T GC Column: ZB-624 (60) ID: 0.25(mm)

Lab File ID (Standard): T4474.D Heated Purge: (Y/N) N

Calibration ID: 11365

		DFB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		594415	4.50	556466	6.71	256704	8.56
UPPER LIMIT							
LOWER LIMIT							
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 480-96317/3		628776	4.50	566057	6.71	270309	8.56
LCS 480-96335/1-A		619598	4.50	582699	6.71	277784	8.56
LCSD 480-96335/15-A		644810	4.50	586364	6.71	285503	8.56
MB 480-96335/2-A		626517	4.50	551929	6.71	248675	8.56
480-30106-4	OC-SB-514-0.0/1.0-XXX	619537	4.50	571099	6.71	267768	8.56
480-30106-8	OC-SB-515-6.0/8.0-XXX	619713	4.50	569888	6.71	268451	8.56
480-30106-9	OC-SB-515-13/15-XXX	628369	4.50	578076	6.71	274886	8.56
480-30106-11	OC-SB-516-6.0/8.0-XXX	636171	4.50	575480	6.71	271813	8.56
480-30106-12	OC-SB-516-15/17-XXX	634962	4.50	569202	6.71	258023	8.56
480-30106-13	OC-SB-517-0.0/1.0-XXX	639018	4.50	574680	6.71	278202	8.56
480-30106-14	OC-SB-517-6.0/8.0-XXX	638392	4.50	587080	6.71	271614	8.56
480-30106-15	OC-SB-517-18/20-XXX	623023	4.50	583750	6.71	279375	8.56

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.: 480-30106-1

SDG No.:

Client Sample ID: OC-SB-514-0.0/1.0-XXX | Lab Sample ID: 480-30106-4

Matrix: Solid | Lab File ID: T4480.D

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

Sample wt/vol: 10.227(g) | Date Analyzed: 12/18/2012 12:48

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 22.8 | Level: (low/med) Medium

Analysis Batch No.: 96317 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
107-39-1	2,4,4-Trimethyl-1-pentene	46	J	320	27
107-40-4	2,4,4-Trimethyl-2-pentene	ND		320	34

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	116		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	119		70-130
460-00-4	4-Bromofluorobenzene (Surr)	113		70-130

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

Lab Name: TestAmerica Buffalo Job No.: 480-30106-1

SDG No.:

Client Sample ID: OC-SB-514-0.0/1.0-XXX Lab Sample ID: 480-30106-4

Matrix: Solid Lab File ID: T4480.D

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

Sample wt/vol: 10.227(g) Date Analyzed: 12/18/2012 12:48

Soil Aliquot Vol: 100 (uL) Dilution Factor: 1

Soil Extract Vol.: 10(mL) GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 22.8 Level: (low/med) Medium

Analysis Batch No.: 96317 Units: ug/Kg

Number TICs Found: 0 TIC Result Total: 0

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

FORM I-TIC 8260C

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5975T\20121218-17648.b\T4480.D		
Lims ID:	480-30106-E-4-A	Client ID:	OC-SB-514-0.0/1.0-XXX
Inject. Date:	18-Dec-2012 12:48:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-30106-E-4-A		
Misc. Info.:	480-0017648-008		
Operator:	LH	Instrument ID:	HP5975T
Purge Vol:	5.000 mL	ALS Bottle#:	32
Lims Batch ID:	96317	Lims Sample ID:	8
Detector:	MS SCAN		

Method:	\\Bufchrom\ChromData\HP5975T\20121218-17648.b\T-8260.m		
Last Update:	18-Dec-2012 18:16:08	Calib Date:	03-Dec-2012 21:04:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5975T\20121203-17185.b\T3875.D		
Limit Group:	MV - 8260MCP_RCP		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	ZB-624	Column Dia:	0.25 mm
Process Host:	XAWRK024		

First Level Reviewer: HillL Date: 18-Dec-2012 16:19:00

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.501	4.501	0.0	95	619537	25.0	
* 2 Chlorobenzene-d5	117	6.709	6.709	0.0	87	571099	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.564	8.564	0.0	97	267768	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	65	4.191	4.191	0.0	0	255681	29.8	
$ 6 Toluene-d8 (Surr)	98	5.590	5.590	0.0	94	752313	29.0	
$ 7 4-Bromofluorobenzene (Surr)	174	7.641	7.641	0.0	87	216648	28.3	
11 Dichlorodifluoromethane	85		0.936					
13 Chloromethane	50		1.061					
14 Vinyl chloride	62		1.133					
15 Bromomethane	94		1.372					9
16 Chloroethane	64		1.444					
17 Trichlorofluoromethane	101		1.620					
19 Ethyl ether	59		1.859					
20 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.035					
22 1,1-Dichloroethene	96		2.035					
23 Acetone	43	2.180	2.169	0.011	45	1566	0.6467	
25 Carbon disulfide	76		2.201					
28 Methyl acetate	43	2.439	2.439	0.0	52	1356	0.1683	
30 Methylene Chloride	84		2.501					
32 trans-1,2-Dichloroethene	96		2.698					
33 Methyl tert-butyl ether	73		2.708					9
36 1,1-Dichloroethane	63		3.071					
37 Isopropyl ether	45		3.102					
41 Tert-butyl ethyl ether	59		3.393					
42 2,2-Dichloropropane	77		3.517					
43 cis-1,2-Dichloroethene	96		3.548					
44 2-Butanone (MEK)	43	3.621	3.600	0.021	63	2085	0.4657	
47 Chlorobromomethane	128		3.745					
48 Tetrahydrofuran	42		3.765					
50 Chloroform	83		3.807					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
52 Cyclohexane	56		3.890					
51 1,1,1-Trichloroethane	97		3.900					
53 Carbon tetrachloride	117		4.004					
54 1,1-Dichloropropene	75		4.014					
55 Benzene	78		4.190					
57 1,2-Dichloroethane	62		4.242					
58 Tert-amyl methyl ether	73		4.263					
141 2,4,4-Trimethyl-1-pentene	55	4.584	4.584	0.0	0	3715	0.7251	
60 Trichloroethene	95		4.677					9
62 Methylcyclohexane	83		4.760					
140 2,4,4-Trimethyl-2-pentene	97	4.781	4.781	0.0	0	2430	0.1754	
63 1,2-Dichloropropane	63		4.864					
65 Dibromomethane	93		4.968					
66 1,4-Dioxane	88		4.999					
67 Dichlorobromomethane	83		5.092					
71 cis-1,3-Dichloropropene	75		5.423					
72 4-Methyl-2-pentanone (MIBK)	43		5.548					9
73 Toluene	92		5.641					
75 trans-1,3-Dichloropropene	75		5.859					9
78 1,1,2-Trichloroethane	83		6.004					
79 Tetrachloroethene	166		6.035					
80 1,3-Dichloropropane	76		6.118					
81 2-Hexanone	43		6.190					9
82 Chlorodibromomethane	129		6.294					
83 Ethylene Dibromide	107		6.367					
86 Chlorobenzene	112		6.729					
89 1,1,1,2-Tetrachloroethane	131		6.802					
88 Ethylbenzene	91		6.802					9
90 m-Xylene & p-Xylene	106		6.885					
91 o-Xylene	106		7.206					
92 Styrene	104		7.227					
93 Bromoform	173		7.403					
95 Isopropylbenzene	105		7.486					9
97 Bromobenzene	156		7.755					
98 1,1,2,2-Tetrachloroethane	83		7.797					
99 N-Propylbenzene	91		7.817					9
100 1,2,3-Trichloropropane	110	7.735	7.828	-0.093	1	7659	2.51	
105 2-Chlorotoluene	126		7.900					9
104 1,3,5-Trimethylbenzene	105		7.962					
102 4-Chlorotoluene	91		7.994					9
106 tert-Butylbenzene	134		8.222					
107 1,2,4-Trimethylbenzene	105		8.263					9
109 sec-Butylbenzene	105		8.398					9
110 1,3-Dichlorobenzene	146		8.501					
111 4-Isopropyltoluene	119		8.522					
113 1,4-Dichlorobenzene	146		8.584					
115 n-Butylbenzene	91		8.854					9
116 1,2-Dichlorobenzene	146		8.885					
117 1,2-Dibromo-3-Chloropropane	75		9.558					
119 1,2,4-Trichlorobenzene	180		10.201					
120 Hexachlorobutadiene	225		10.315					
121 Naphthalene	128		10.408					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
122 1,2,3-Trichlorobenzene	180		10.605					

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

TestAmerica Buffalo
Tentatively Identified Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5975T\20121218-17648.b\T4480.D		
Lims ID:	480-30106-E-4-A	Client ID:	OC-SB-514-0.0/1.0-XXX
Inject. Date:	18-Dec-2012 12:48:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-30106-E-4-A		
Misc. Info.:	480-0017648-008		
Operator:	LH	Instrument ID:	HP5975T
Purge Vol:	5.000 mL	ALS Bottle#:	32
Lims Batch ID:	96317	Lims Sample ID:	8
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5975T\20121218-17648.b\T-8260.m		
Last Update:	18-Dec-2012 18:16:08	Calib Date:	03-Dec-2012 21:04:30
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:	25		
Process Host:	XAWRK024		

First Level Reviewer: HillL Date: 18-Dec-2012 16:19:00

Calibrated Tentative Identified Compound Results

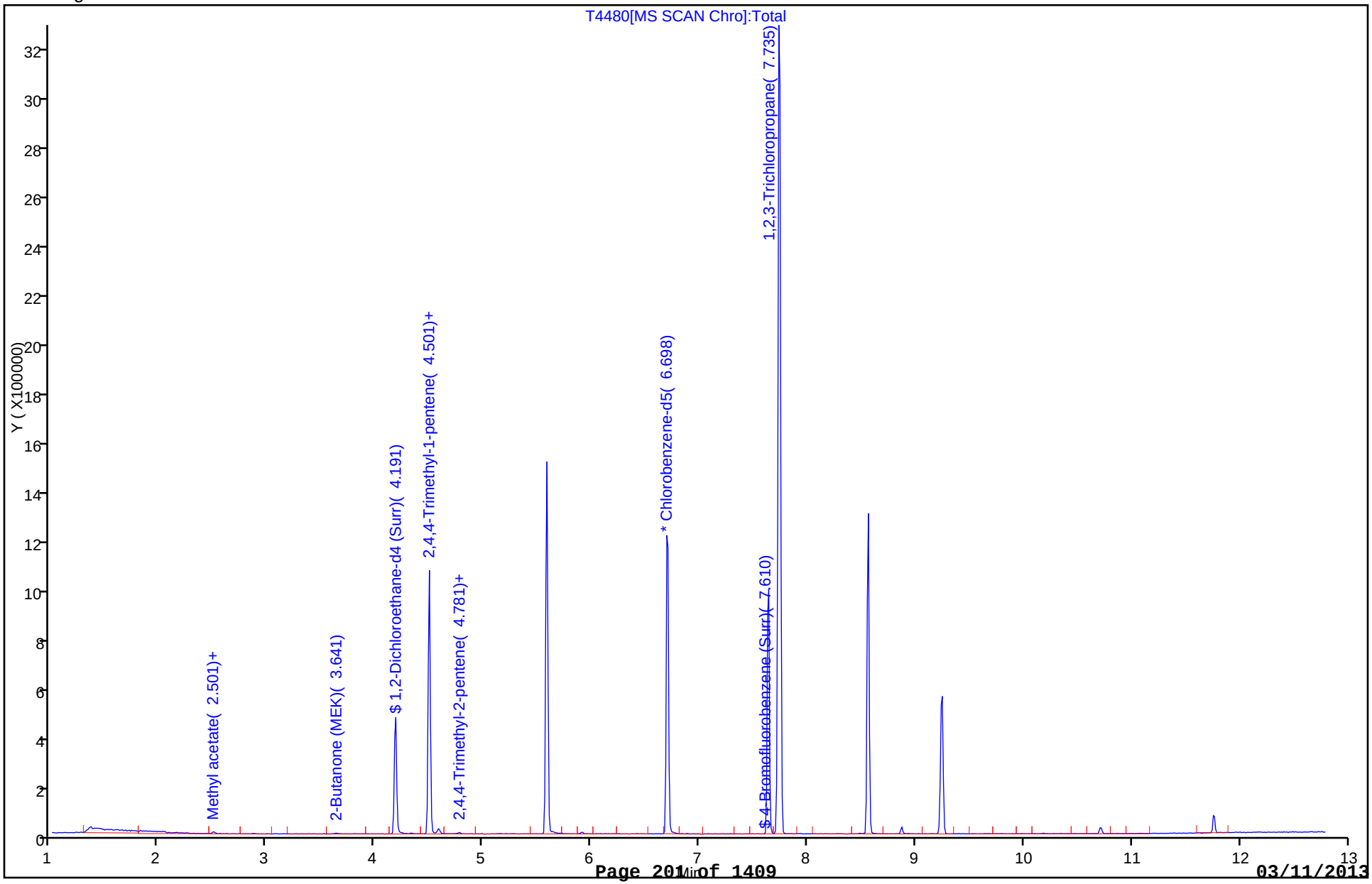
Compound	RT	Response	Amount ug/L	Flags
Isopropyl alcohol	2.201	2227		
Hexane	2.864	742		
Methyl methacrylate	4.781	2252	0.2676	
Epichlorohydrin	5.590	1308		
Dicyclopentadiene	8.564	7925		
1,2,3-Trimethylbenzene	8.553	353		

Report Date: 19-Dec-2012 23:23:46 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5975T\20121218-17648.b\T4480.D		
Injection Date:	18-Dec-2012 12:48:30	Limit Group:	MV - 8260MCP_RCP
Client ID:	OC-SB-514-0.0/1.0-XXX	Instrument ID:	HP5975T
Lims Batch ID:	96317	Lims Sample ID:	8
Operator ID:	LH	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:

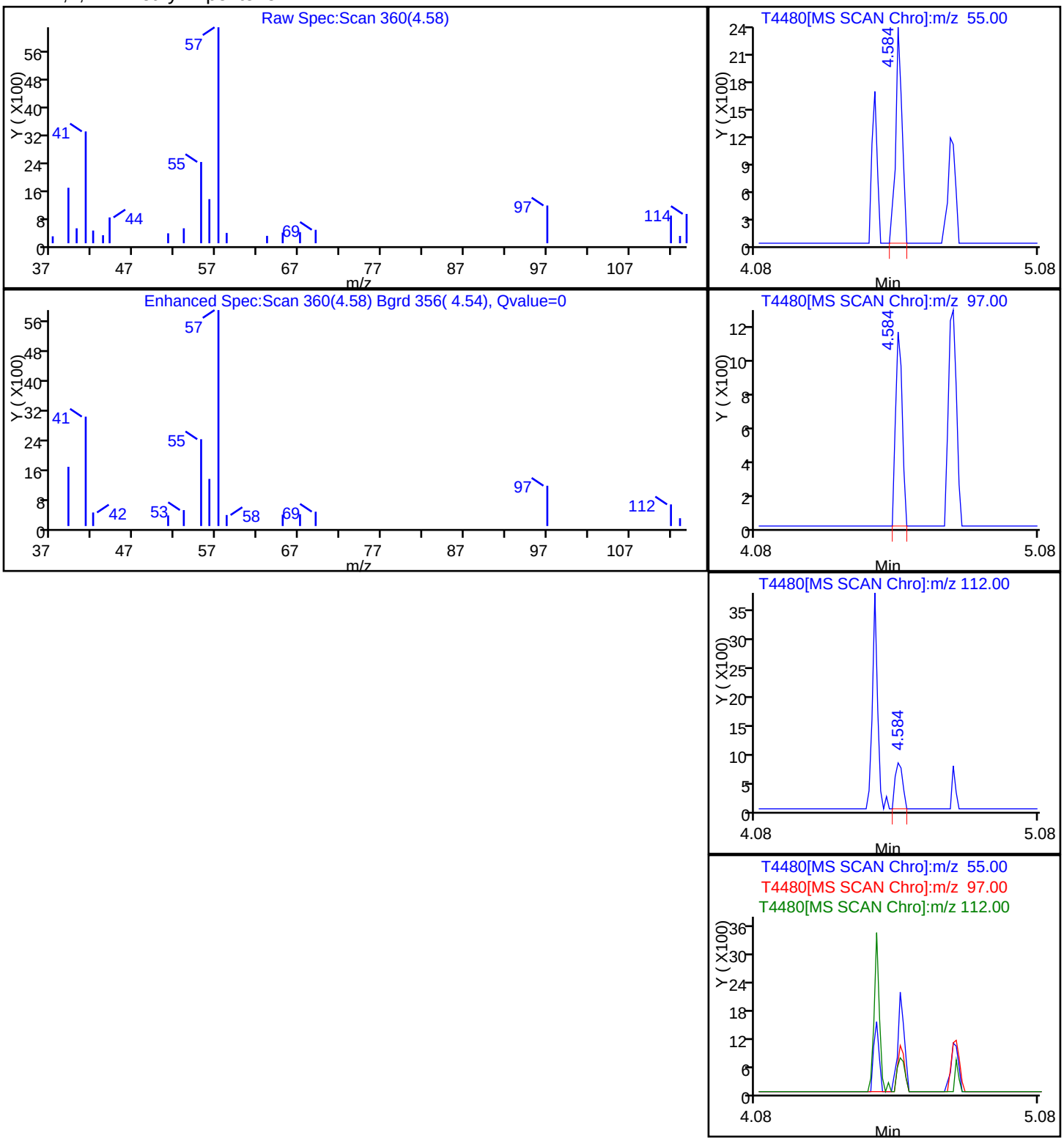


Report Date: 19-Dec-2012 23:23:46 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5975T\20121218-17648.b\T4480.D		
Injection Date:	18-Dec-2012 12:48:30	Limit Group:	MV - 8260MCP_RCP
Client ID:	OC-SB-514-0.0/1.0-XXX	Instrument ID:	HP5975T
Lims Batch ID:	96317	Lims Sample ID:	8
Operator ID:	LH	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

141 2,4,4-Trimethyl-1-pentene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo
Job No.: 480-30106-1
SDG No.:
Client Sample ID: OC-SB-515-6.0/8.0-XXX
Lab Sample ID: 480-30106-8
Matrix: Solid
Lab File ID: T4484.D
Analysis Method: 8260C
Date Collected: 12/12/2012 10:20
Sample wt/vol: 10.653(g)
Date Analyzed: 12/18/2012 14:24
Soil Aliquot Vol: 100 (uL)
Dilution Factor: 1
Soil Extract Vol.: 10(mL)
GC Column: ZB-624 (60) ID: 0.25(mm)
% Moisture: 15.4
Level: (low/med) Medium
Analysis Batch No.: 96317
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
107-39-1	2,4,4-Trimethyl-1-pentene	ND		280	24
107-40-4	2,4,4-Trimethyl-2-pentene	ND		280	29

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	118		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	119		70-130
460-00-4	4-Bromofluorobenzene (Surr)	116		70-130

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

Lab Name: TestAmerica Buffalo Job No.: 480-30106-1

SDG No.:

Client Sample ID: OC-SB-515-6.0/8.0-XXX Lab Sample ID: 480-30106-8

Matrix: Solid Lab File ID: T4484.D

Analysis Method: 8260C Date Collected: 12/12/2012 10:20

Sample wt/vol: 10.653(g) Date Analyzed: 12/18/2012 14:24

Soil Aliquot Vol: 100 (uL) Dilution Factor: 1

Soil Extract Vol.: 10(mL) GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 15.4 Level: (low/med) Medium

Analysis Batch No.: 96317 Units: ug/Kg

Number TICs Found: 0 TIC Result Total: 0

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

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5975T\20121218-17648.b\T4484.D		
Lims ID:	480-30106-C-8-A	Client ID:	OC-SB-515-6.0/8.0-XXX
Inject. Date:	18-Dec-2012 14:24:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-30106-C-8-A		
Misc. Info.:	480-0017648-012		
Operator:	LH	Instrument ID:	HP5975T
Purge Vol:	5.000 mL	ALS Bottle#:	36
Lims Batch ID:	96317	Lims Sample ID:	12
Detector:	MS SCAN		

Method:	\\Bufchrom\ChromData\HP5975T\20121218-17648.b\T-8260.m		
Last Update:	18-Dec-2012 18:16:08	Calib Date:	03-Dec-2012 21:04:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5975T\20121203-17185.b\T3875.D		
Limit Group:	MV - 8260MCP_RCP		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	ZB-624	Column Dia:	0.25 mm
Process Host:	XAWRK024		

First Level Reviewer: HillL Date: 18-Dec-2012 16:19:42

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.501	4.501	0.0	95	619713	25.0	
* 2 Chlorobenzene-d5	117	6.709	6.709	0.0	87	569888	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.564	8.564	0.0	97	268451	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	65	4.190	4.191	-0.001	0	254502	29.6	
$ 6 Toluene-d8 (Surr)	98	5.589	5.590	-0.001	94	763775	29.5	
$ 7 4-Bromofluorobenzene (Surr)	174	7.641	7.641	0.0	87	221483	29.0	
11 Dichlorodifluoromethane	85		0.936					
13 Chloromethane	50		1.061					
14 Vinyl chloride	62		1.133					
15 Bromomethane	94		1.372					9
16 Chloroethane	64		1.444					
17 Trichlorofluoromethane	101		1.620					
19 Ethyl ether	59		1.859					
20 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.035					
22 1,1-Dichloroethene	96		2.035					
23 Acetone	43	2.035	2.169	-0.134	44	1713	0.7072	
25 Carbon disulfide	76		2.201					9
28 Methyl acetate	43	2.439	2.439	0.0	31	1296	0.1608	
30 Methylene Chloride	84		2.501					9
32 trans-1,2-Dichloroethene	96		2.698					
33 Methyl tert-butyl ether	73		2.708					9
36 1,1-Dichloroethane	63		3.071					
37 Isopropyl ether	45		3.102					
41 Tert-butyl ethyl ether	59		3.393					
42 2,2-Dichloropropane	77		3.517					
43 cis-1,2-Dichloroethene	96		3.548					
44 2-Butanone (MEK)	43		3.600					9
47 Chlorobromomethane	128		3.745					
48 Tetrahydrofuran	42		3.765					
50 Chloroform	83		3.807					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
52 Cyclohexane	56		3.890					
51 1,1,1-Trichloroethane	97		3.900					
53 Carbon tetrachloride	117		4.004					
54 1,1-Dichloropropene	75		4.014					
55 Benzene	78		4.190					
57 1,2-Dichloroethane	62		4.242					
58 Tert-amyl methyl ether	73		4.263					
141 2,4,4-Trimethyl-1-pentene	55		4.584					14
60 Trichloroethene	95		4.677					9
62 Methylcyclohexane	83		4.760					
140 2,4,4-Trimethyl-2-pentene	97		4.781					
63 1,2-Dichloropropane	63		4.864					
65 Dibromomethane	93		4.968					
66 1,4-Dioxane	88		4.999					
67 Dichlorobromomethane	83		5.092					
71 cis-1,3-Dichloropropene	75		5.423					
72 4-Methyl-2-pentanone (MIBK)	43		5.548					9
73 Toluene	92		5.641					
75 trans-1,3-Dichloropropene	75		5.859					9
78 1,1,2-Trichloroethane	83		6.004					
79 Tetrachloroethene	166		6.035					
80 1,3-Dichloropropane	76		6.118					
81 2-Hexanone	43		6.190					
82 Chlorodibromomethane	129		6.294					
83 Ethylene Dibromide	107		6.367					
86 Chlorobenzene	112		6.729					
89 1,1,1,2-Tetrachloroethane	131		6.802					
88 Ethylbenzene	91		6.802					9
90 m-Xylene & p-Xylene	106		6.885					
91 o-Xylene	106		7.206					
92 Styrene	104		7.227					9
93 Bromoform	173		7.403					
95 Isopropylbenzene	105		7.486					9
97 Bromobenzene	156		7.755					
98 1,1,2,2-Tetrachloroethane	83		7.797					
99 N-Propylbenzene	91		7.817					9
100 1,2,3-Trichloropropane	110		7.828					
105 2-Chlorotoluene	126		7.900					9
104 1,3,5-Trimethylbenzene	105		7.962					
102 4-Chlorotoluene	91		7.994					
106 tert-Butylbenzene	134		8.222					
107 1,2,4-Trimethylbenzene	105		8.263					
109 sec-Butylbenzene	105		8.398					
110 1,3-Dichlorobenzene	146		8.501					
111 4-Isopropyltoluene	119		8.522					
113 1,4-Dichlorobenzene	146		8.584					
115 n-Butylbenzene	91		8.854					
116 1,2-Dichlorobenzene	146		8.885					
117 1,2-Dibromo-3-Chloropropane	75		9.558					
119 1,2,4-Trichlorobenzene	180		10.201					
120 Hexachlorobutadiene	225		10.315					
121 Naphthalene	128		10.408					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
122 1,2,3-Trichlorobenzene	180		10.605					

QC Flag Legend

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

TestAmerica Buffalo
Tentatively Identified Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5975T\20121218-17648.b\T4484.D		
Lims ID:	480-30106-C-8-A	Client ID:	OC-SB-515-6.0/8.0-XXX
Inject. Date:	18-Dec-2012 14:24:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-30106-C-8-A		
Misc. Info.:	480-0017648-012		
Operator:	LH	Instrument ID:	HP5975T
Purge Vol:	5.000 mL	ALS Bottle#:	36
Lims Batch ID:	96317	Lims Sample ID:	12
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5975T\20121218-17648.b\T-8260.m		
Last Update:	18-Dec-2012 18:16:08	Calib Date:	03-Dec-2012 21:04:30
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:	25		
Process Host:	XAWRK024		

First Level Reviewer: HillL Date: 18-Dec-2012 16:19:42

Calibrated Tentative Identified Compound Results

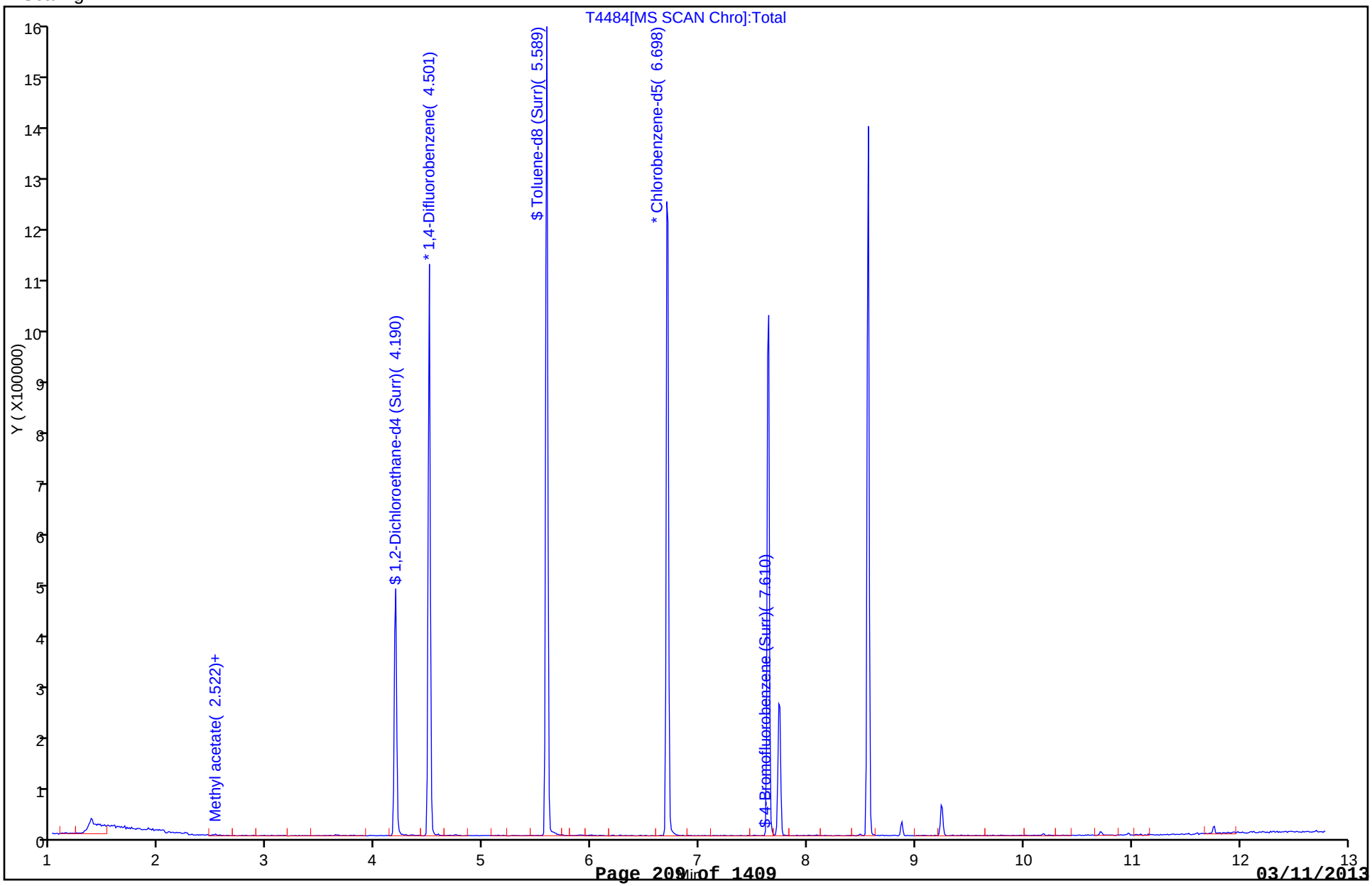
Compound	RT	Response	Amount ug/L	Flags
Isopropyl alcohol	2.449	403		
Acetonitrile	2.377	1061	1.91	
Dicyclopentadiene	8.553	9395		

Report Date: 19-Dec-2012 23:24:00 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5975T\20121218-17648.b\T4484.D		
Injection Date:	18-Dec-2012 14:24:30	Limit Group:	MV - 8260MCP_RCP
Client ID:	OC-SB-515-6.0/8.0-XXX	Instrument ID:	HP5975T
Lims Batch ID:	96317	Lims Sample ID:	12
Operator ID:	LH	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.: 480-30106-1
SDG No.:
Client Sample ID: OC-SB-515-13/15-XXX
Lab Sample ID: 480-30106-9
Matrix: Solid
Lab File ID: T4485.D
Analysis Method: 8260C
Date Collected: 12/12/2012 10:45
Sample wt/vol: 12.765(g)
Date Analyzed: 12/18/2012 14:48
Soil Aliquot Vol: 100 (uL)
Dilution Factor: 1
Soil Extract Vol.: 10(mL)
GC Column: ZB-624 (60) ID: 0.25(mm)
% Moisture: 16.8
Level: (low/med) Medium
Analysis Batch No.: 96317
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
107-39-1	2,4,4-Trimethyl-1-pentene	ND		240	20
107-40-4	2,4,4-Trimethyl-2-pentene	ND		240	25

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	115		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	118		70-130
460-00-4	4-Bromofluorobenzene (Surr)	115		70-130

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

Lab Name: TestAmerica Buffalo Job No.: 480-30106-1

SDG No.:

Client Sample ID: OC-SB-515-13/15-XXX Lab Sample ID: 480-30106-9

Matrix: Solid Lab File ID: T4485.D

Analysis Method: 8260C Date Collected: 12/12/2012 10:45

Sample wt/vol: 12.765(g) Date Analyzed: 12/18/2012 14:48

Soil Aliquot Vol: 100 (uL) Dilution Factor: 1

Soil Extract Vol.: 10(mL) GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 16.8 Level: (low/med) Medium

Analysis Batch No.: 96317 Units: ug/Kg

Number TICs Found: 0 TIC Result Total: 0

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

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5975T\20121218-17648.b\T4485.D		
Lims ID:	480-30106-C-9-A	Client ID:	OC-SB-515-13/15-XXX
Inject. Date:	18-Dec-2012 14:48:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-30106-C-9-A		
Misc. Info.:	480-0017648-013		
Operator:	LH	Instrument ID:	HP5975T
Purge Vol:	5.000 mL	ALS Bottle#:	37
Lims Batch ID:	96317	Lims Sample ID:	13
Detector:	MS SCAN		

Method:	\\Bufchrom\ChromData\HP5975T\20121218-17648.b\T-8260.m		
Last Update:	18-Dec-2012 18:16:08	Calib Date:	03-Dec-2012 21:04:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5975T\20121203-17185.b\T3875.D		
Limit Group:	MV - 8260MCP_RCP		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	ZB-624	Column Dia:	0.25 mm
Process Host:	XAWRK024		

First Level Reviewer: HillL Date: 18-Dec-2012 16:19:46

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.501	4.501	0.0	95	628369	25.0	
* 2 Chlorobenzene-d5	117	6.709	6.709	0.0	86	578076	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.564	8.564	0.0	97	274886	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	65	4.191	4.191	-0.001	0	256866	29.5	
$ 6 Toluene-d8 (Surr)	98	5.590	5.590	0.0	94	756795	28.9	
$ 7 4-Bromofluorobenzene (Surr)	174	7.641	7.641	0.0	89	223476	28.9	
11 Dichlorodifluoromethane	85		0.936					
13 Chloromethane	50		1.061					9
14 Vinyl chloride	62		1.133					
15 Bromomethane	94		1.372					9
16 Chloroethane	64		1.444					
17 Trichlorofluoromethane	101		1.620					
19 Ethyl ether	59		1.859					
20 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.035					
22 1,1-Dichloroethene	96		2.035					
23 Acetone	43		2.169					
25 Carbon disulfide	76		2.201					
28 Methyl acetate	43		2.439					
30 Methylene Chloride	84		2.501					
32 trans-1,2-Dichloroethene	96		2.698					
33 Methyl tert-butyl ether	73		2.708					9
36 1,1-Dichloroethane	63		3.071					
37 Isopropyl ether	45		3.102					
41 Tert-butyl ethyl ether	59		3.393					
42 2,2-Dichloropropane	77		3.517					
43 cis-1,2-Dichloroethene	96		3.548					
44 2-Butanone (MEK)	43		3.600					
47 Chlorobromomethane	128		3.745					
48 Tetrahydrofuran	42		3.765					9
50 Chloroform	83		3.807					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
52 Cyclohexane	56		3.890					
51 1,1,1-Trichloroethane	97		3.900					
53 Carbon tetrachloride	117		4.004					
54 1,1-Dichloropropene	75		4.014					
55 Benzene	78		4.190					
57 1,2-Dichloroethane	62		4.242					
58 Tert-amyl methyl ether	73		4.263					
141 2,4,4-Trimethyl-1-pentene	55		4.584					1
60 Trichloroethene	95		4.677					9
62 Methylcyclohexane	83		4.760					
140 2,4,4-Trimethyl-2-pentene	97		4.781					14
63 1,2-Dichloropropane	63		4.864					
65 Dibromomethane	93		4.968					
66 1,4-Dioxane	88		4.999					
67 Dichlorobromomethane	83		5.092					
71 cis-1,3-Dichloropropene	75		5.423					
72 4-Methyl-2-pentanone (MIBK)	43		5.548					9
73 Toluene	92		5.641					9
75 trans-1,3-Dichloropropene	75		5.859					9
78 1,1,2-Trichloroethane	83		6.004					
79 Tetrachloroethene	166		6.035					
80 1,3-Dichloropropane	76		6.118					
81 2-Hexanone	43		6.190					9
82 Chlorodibromomethane	129		6.294					
83 Ethylene Dibromide	107		6.367					
86 Chlorobenzene	112		6.729					
89 1,1,1,2-Tetrachloroethane	131		6.802					
88 Ethylbenzene	91		6.802					9
90 m-Xylene & p-Xylene	106		6.885					
91 o-Xylene	106		7.206					
92 Styrene	104		7.227					
93 Bromoform	173		7.403					
95 Isopropylbenzene	105		7.486					9
97 Bromobenzene	156		7.755					
98 1,1,2,2-Tetrachloroethane	83		7.797					
99 N-Propylbenzene	91		7.817					9
100 1,2,3-Trichloropropane	110		7.828					
105 2-Chlorotoluene	126		7.900					
104 1,3,5-Trimethylbenzene	105		7.962					
102 4-Chlorotoluene	91		7.994					
106 tert-Butylbenzene	134		8.222					
107 1,2,4-Trimethylbenzene	105		8.263					
109 sec-Butylbenzene	105		8.398					
110 1,3-Dichlorobenzene	146		8.501					
111 4-Isopropyltoluene	119		8.522					
113 1,4-Dichlorobenzene	146		8.584					
115 n-Butylbenzene	91		8.854					
116 1,2-Dichlorobenzene	146		8.885					
117 1,2-Dibromo-3-Chloropropane	75		9.558					
119 1,2,4-Trichlorobenzene	180		10.201					
120 Hexachlorobutadiene	225		10.315					
121 Naphthalene	128		10.408					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
122 1,2,3-Trichlorobenzene	180		10.605					

QC Flag Legend

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

TestAmerica Buffalo
Tentatively Identified Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5975T\20121218-17648.b\T4485.D		
Lims ID:	480-30106-C-9-A	Client ID:	OC-SB-515-13/15-XXX
Inject. Date:	18-Dec-2012 14:48:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-30106-C-9-A		
Misc. Info.:	480-0017648-013		
Operator:	LH	Instrument ID:	HP5975T
Purge Vol:	5.000 mL	ALS Bottle#:	37
Lims Batch ID:	96317	Lims Sample ID:	13
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5975T\20121218-17648.b\T-8260.m		
Last Update:	18-Dec-2012 18:16:08	Calib Date:	03-Dec-2012 21:04:30
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:	25		
Process Host:	XAWRK024		
First Level Reviewer: HillL		Date:	18-Dec-2012 16:19:46

Calibrated Tentative Identified Compound Results

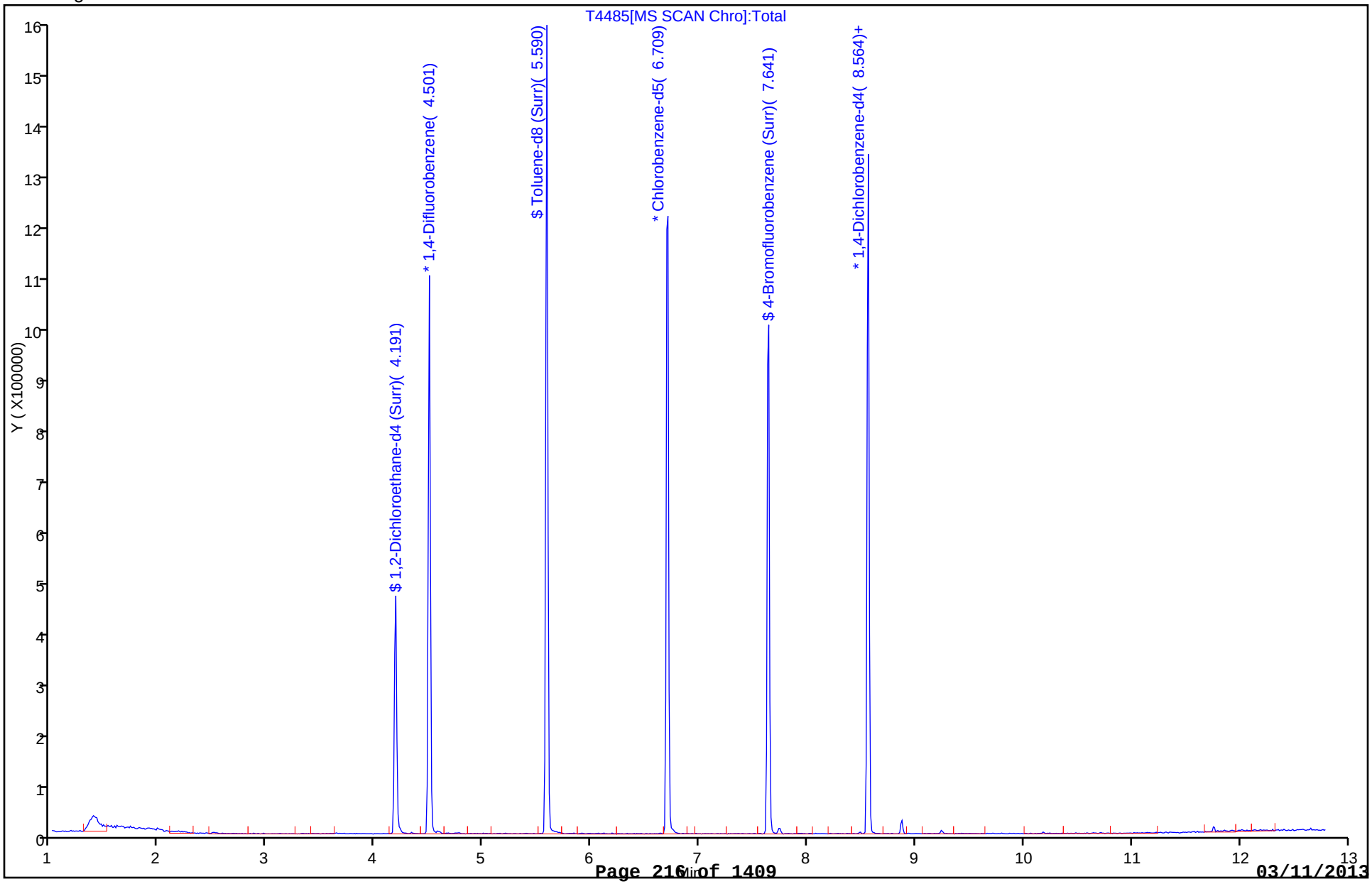
Compound	RT	Response	Amount ug/L	Flags
Dicyclopentadiene	8.564	8131		

Report Date: 19-Dec-2012 23:24:04 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5975T\20121218-17648.b\T4485.D		
Injection Date:	18-Dec-2012 14:48:30	Limit Group:	MV - 8260MCP_RCP
Client ID:	OC-SB-515-13/15-XXX	Instrument ID:	HP5975T
Lims Batch ID:	96317	Lims Sample ID:	13
Operator ID:	LH	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.: 480-30106-1

SDG No.:

Client Sample ID: OC-SB-516-6.0/8.0-XXX | Lab Sample ID: 480-30106-11

Matrix: Solid | Lab File ID: T4487.D

Analysis Method: 8260C | Date Collected: 12/12/2012 11:25

Sample wt/vol: 11.22(g) | Date Analyzed: 12/18/2012 15:35

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 16.7 | Level: (low/med) Medium

Analysis Batch No.: 96317 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
107-39-1	2,4,4-Trimethyl-1-pentene	ND		270	23
107-40-4	2,4,4-Trimethyl-2-pentene	ND		270	28

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	118		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	117		70-130
460-00-4	4-Bromofluorobenzene (Surr)	116		70-130

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

Lab Name: TestAmerica Buffalo Job No.: 480-30106-1

SDG No.:

Client Sample ID: OC-SB-516-6.0/8.0-XXX Lab Sample ID: 480-30106-11

Matrix: Solid Lab File ID: T4487.D

Analysis Method: 8260C Date Collected: 12/12/2012 11:25

Sample wt/vol: 11.22(g) Date Analyzed: 12/18/2012 15:35

Soil Aliquot Vol: 100 (uL) Dilution Factor: 1

Soil Extract Vol.: 10(mL) GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 16.7 Level: (low/med) Medium

Analysis Batch No.: 96317 Units: ug/Kg

Number TICs Found: 0 TIC Result Total: 0

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

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5975T\20121218-17648.b\T4487.D		
Lims ID:	480-30106-C-11-A	Client ID:	OC-SB-516-6.0/8.0-XXX
Inject. Date:	18-Dec-2012 15:35:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-30106-C-11-A		
Misc. Info.:	480-0017648-015		
Operator:	LH	Instrument ID:	HP5975T
Purge Vol:	5.000 mL	ALS Bottle#:	39
Lims Batch ID:	96317	Lims Sample ID:	15
Detector:	MS SCAN		

Method:	\\Bufchrom\ChromData\HP5975T\20121218-17648.b\T-8260.m		
Last Update:	18-Dec-2012 18:16:08	Calib Date:	03-Dec-2012 21:04:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5975T\20121203-17185.b\T3875.D		
Limit Group:	MV - 8260MCP_RCP		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	ZB-624	Column Dia:	0.25 mm
Process Host:	XAWRK024		

First Level Reviewer: HillL Date: 18-Dec-2012 16:20:32

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.501	4.501	0.0	95	636171	25.0	
* 2 Chlorobenzene-d5	117	6.708	6.709	-0.001	86	575480	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.563	8.564	-0.001	98	271813	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	65	4.190	4.191	-0.001	0	257637	29.2	
$ 6 Toluene-d8 (Surr)	98	5.589	5.590	-0.001	94	770129	29.5	
$ 7 4-Bromofluorobenzene (Surr)	174	7.641	7.641	0.0	88	223525	29.0	
11 Dichlorodifluoromethane	85		0.936					
13 Chloromethane	50		1.061					
14 Vinyl chloride	62		1.133					
15 Bromomethane	94		1.372					9
16 Chloroethane	64		1.444					
17 Trichlorofluoromethane	101		1.620					
19 Ethyl ether	59		1.859					
20 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.035					
22 1,1-Dichloroethene	96		2.035					
23 Acetone	43	2.180	2.169	0.011	35	1924	0.7738	
25 Carbon disulfide	76		2.201					
28 Methyl acetate	43	2.439	2.439	0.0	47	1490	0.1801	
30 Methylene Chloride	84		2.501					9
32 trans-1,2-Dichloroethene	96		2.698					
33 Methyl tert-butyl ether	73		2.708					9
36 1,1-Dichloroethane	63		3.071					
37 Isopropyl ether	45		3.102					
41 Tert-butyl ethyl ether	59		3.393					
42 2,2-Dichloropropane	77		3.517					
43 cis-1,2-Dichloroethene	96		3.548					
44 2-Butanone (MEK)	43		3.600					
47 Chlorobromomethane	128		3.745					
48 Tetrahydrofuran	42		3.765					
50 Chloroform	83		3.807					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
52 Cyclohexane	56		3.890					
51 1,1,1-Trichloroethane	97		3.900					
53 Carbon tetrachloride	117		4.004					
54 1,1-Dichloropropene	75		4.014					
55 Benzene	78		4.190					
57 1,2-Dichloroethane	62		4.242					
58 Tert-amyl methyl ether	73		4.263					
141 2,4,4-Trimethyl-1-pentene	55		4.584					14
60 Trichloroethene	95		4.677					9
62 Methylcyclohexane	83		4.760					
140 2,4,4-Trimethyl-2-pentene	97		4.781					
63 1,2-Dichloropropane	63		4.864					
65 Dibromomethane	93		4.968					
66 1,4-Dioxane	88		4.999					
67 Dichlorobromomethane	83		5.092					
71 cis-1,3-Dichloropropene	75		5.423					
72 4-Methyl-2-pentanone (MIBK)	43		5.548					9
73 Toluene	92		5.641					
75 trans-1,3-Dichloropropene	75		5.859					9
78 1,1,2-Trichloroethane	83		6.004					
79 Tetrachloroethene	166		6.035					
80 1,3-Dichloropropane	76		6.118					
81 2-Hexanone	43		6.190					9
82 Chlorodibromomethane	129		6.294					
83 Ethylene Dibromide	107		6.367					
86 Chlorobenzene	112		6.729					
89 1,1,1,2-Tetrachloroethane	131		6.802					
88 Ethylbenzene	91		6.802					9
90 m-Xylene & p-Xylene	106		6.885					
91 o-Xylene	106		7.206					
92 Styrene	104		7.227					
93 Bromoform	173		7.403					
95 Isopropylbenzene	105		7.486					9
97 Bromobenzene	156		7.755					
98 1,1,2,2-Tetrachloroethane	83		7.797					
99 N-Propylbenzene	91		7.817					9
100 1,2,3-Trichloropropane	110		7.828					
105 2-Chlorotoluene	126		7.900					
104 1,3,5-Trimethylbenzene	105		7.962					9
102 4-Chlorotoluene	91		7.994					
106 tert-Butylbenzene	134		8.222					
107 1,2,4-Trimethylbenzene	105		8.263					9
109 sec-Butylbenzene	105		8.398					9
110 1,3-Dichlorobenzene	146		8.501					
111 4-Isopropyltoluene	119		8.522					
113 1,4-Dichlorobenzene	146		8.584					
115 n-Butylbenzene	91		8.854					
116 1,2-Dichlorobenzene	146		8.885					
117 1,2-Dibromo-3-Chloropropane	75		9.558					
119 1,2,4-Trichlorobenzene	180		10.201					
120 Hexachlorobutadiene	225		10.315					
121 Naphthalene	128		10.408					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
122 1,2,3-Trichlorobenzene	180		10.605					

QC Flag Legend

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

TestAmerica Buffalo
Tentatively Identified Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5975T\20121218-17648.b\T4487.D		
Lims ID:	480-30106-C-11-A	Client ID:	OC-SB-516-6.0/8.0-XXX
Inject. Date:	18-Dec-2012 15:35:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-30106-C-11-A		
Misc. Info.:	480-0017648-015		
Operator:	LH	Instrument ID:	HP5975T
Purge Vol:	5.000 mL	ALS Bottle#:	39
Lims Batch ID:	96317	Lims Sample ID:	15
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5975T\20121218-17648.b\T-8260.m		
Last Update:	18-Dec-2012 18:16:08	Calib Date:	03-Dec-2012 21:04:30
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:	25		
Process Host:	XAWRK024		
First Level Reviewer: HillL		Date:	18-Dec-2012 16:20:32

Calibrated Tentative Identified Compound Results

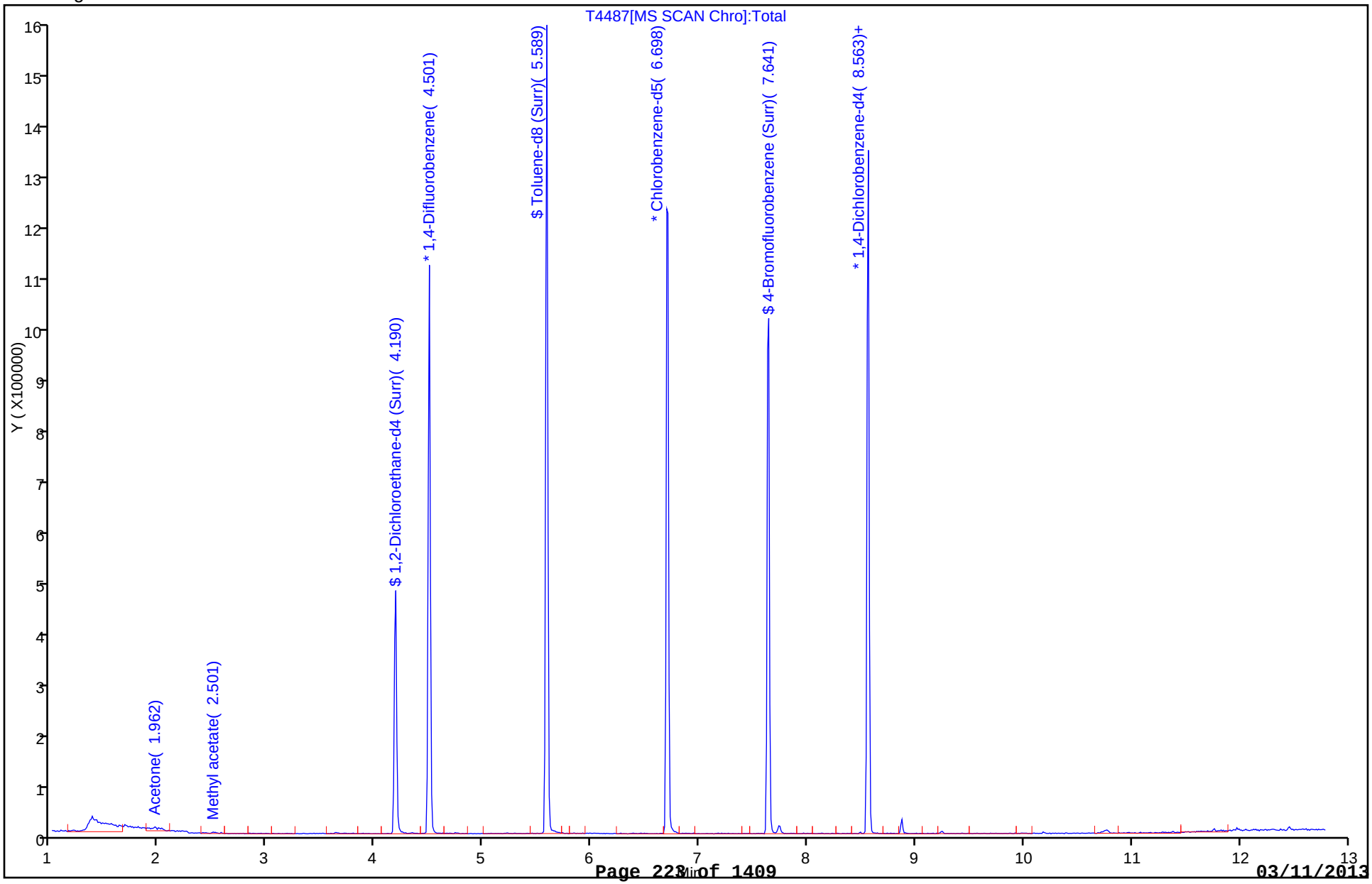
Compound	RT	Response	Amount ug/L	Flags
Dicyclopentadiene	8.553	9046		

Report Date: 19-Dec-2012 23:24:10 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5975T\20121218-17648.b\T4487.D		
Injection Date:	18-Dec-2012 15:35:30	Limit Group:	MV - 8260MCP_RCP
Client ID:	OC-SB-516-6.0/8.0-XXX	Instrument ID:	HP5975T
Lims Batch ID:	96317	Lims Sample ID:	15
Operator ID:	LH	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.: 480-30106-1

SDG No.:

Client Sample ID: OC-SB-516-15/17-XXX | Lab Sample ID: 480-30106-12

Matrix: Solid | Lab File ID: T4488.D

Analysis Method: 8260C | Date Collected: 12/12/2012 11:40

Sample wt/vol: 10.33(g) | Date Analyzed: 12/18/2012 15:59

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 21.6 | Level: (low/med) Medium

Analysis Batch No.: 96317 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
107-39-1	2,4,4-Trimethyl-1-pentene	29	J	310	27
107-40-4	2,4,4-Trimethyl-2-pentene	ND		310	33

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	118		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	116		70-130
460-00-4	4-Bromofluorobenzene (Surr)	116		70-130

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

Lab Name: TestAmerica Buffalo Job No.: 480-30106-1

SDG No.:

Client Sample ID: OC-SB-516-15/17-XXX Lab Sample ID: 480-30106-12

Matrix: Solid Lab File ID: T4488.D

Analysis Method: 8260C Date Collected: 12/12/2012 11:40

Sample wt/vol: 10.33(g) Date Analyzed: 12/18/2012 15:59

Soil Aliquot Vol: 100 (uL) Dilution Factor: 1

Soil Extract Vol.: 10(mL) GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 21.6 Level: (low/med) Medium

Analysis Batch No.: 96317 Units: ug/Kg

Number TICs Found: 0 TIC Result Total: 0

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

FORM I-TIC 8260C

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5975T\20121218-17648.b\T4488.D		
Lims ID:	480-30106-C-12-A	Client ID:	OC-SB-516-15/17-XXX
Inject. Date:	18-Dec-2012 15:59:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-30106-C-12-A		
Misc. Info.:	480-0017648-016		
Operator:	LH	Instrument ID:	HP5975T
Purge Vol:	5.000 mL	ALS Bottle#:	40
Lims Batch ID:	96317	Lims Sample ID:	16
Detector:	MS SCAN		

Method:	\\Bufchrom\ChromData\HP5975T\20121218-17648.b\T-8260.m		
Last Update:	18-Dec-2012 18:16:08	Calib Date:	03-Dec-2012 21:04:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5975T\20121203-17185.b\T3875.D		
Limit Group:	MV - 8260MCP_RCP		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	ZB-624	Column Dia:	0.25 mm
Process Host:	XAWRK024		

First Level Reviewer: HillL Date: 18-Dec-2012 16:20:41

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.501	4.501	0.0	95	634962	25.0	
* 2 Chlorobenzene-d5	117	6.708	6.709	-0.001	86	569202	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.563	8.564	-0.001	97	258023	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	65	4.190	4.191	-0.001	0	255226	29.0	
$ 6 Toluene-d8 (Surr)	98	5.589	5.590	-0.001	94	761585	29.5	
$ 7 4-Bromofluorobenzene (Surr)	174	7.641	7.641	0.0	87	221157	29.0	
11 Dichlorodifluoromethane	85		0.936					
13 Chloromethane	50		1.061					9
14 Vinyl chloride	62		1.133					
15 Bromomethane	94		1.372					9
16 Chloroethane	64		1.444					
17 Trichlorofluoromethane	101		1.620					
19 Ethyl ether	59		1.859					
20 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.035					
22 1,1-Dichloroethene	96		2.035					
23 Acetone	43	2.107	2.169	-0.062	34	1023	0.4122	
25 Carbon disulfide	76		2.201					9
28 Methyl acetate	43	2.439	2.439	0.0	69	1998	0.2419	
30 Methylene Chloride	84		2.501					
32 trans-1,2-Dichloroethene	96		2.698					
33 Methyl tert-butyl ether	73		2.708					9
36 1,1-Dichloroethane	63		3.071					
37 Isopropyl ether	45		3.102					
41 Tert-butyl ethyl ether	59		3.393					
42 2,2-Dichloropropane	77		3.517					
43 cis-1,2-Dichloroethene	96		3.548					
44 2-Butanone (MEK)	43	3.610	3.600	0.010	38	1166	0.2541	
47 Chlorobromomethane	128		3.745					
48 Tetrahydrofuran	42		3.765					
50 Chloroform	83		3.807					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
52 Cyclohexane	56		3.890					
51 1,1,1-Trichloroethane	97		3.900					
53 Carbon tetrachloride	117		4.004					
54 1,1-Dichloropropene	75		4.014					
55 Benzene	78		4.190					
57 1,2-Dichloroethane	62		4.242					
58 Tert-amyl methyl ether	73		4.263					
141 2,4,4-Trimethyl-1-pentene	55	4.584	4.584	0.0	0	2433	0.4633	
60 Trichloroethene	95		4.677					9
62 Methylcyclohexane	83		4.760					
140 2,4,4-Trimethyl-2-pentene	97	4.771	4.781	-0.010	0	1009	0.0711	
63 1,2-Dichloropropane	63		4.864					
65 Dibromomethane	93		4.968					
66 1,4-Dioxane	88		4.999					
67 Dichlorobromomethane	83		5.092					
71 cis-1,3-Dichloropropene	75		5.423					
72 4-Methyl-2-pentanone (MIBK)	43		5.548					9
73 Toluene	92		5.641					
75 trans-1,3-Dichloropropene	75		5.859					
78 1,1,2-Trichloroethane	83		6.004					
79 Tetrachloroethene	166		6.035					
80 1,3-Dichloropropane	76		6.118					
81 2-Hexanone	43		6.190					
82 Chlorodibromomethane	129		6.294					
83 Ethylene Dibromide	107		6.367					
86 Chlorobenzene	112		6.729					
89 1,1,1,2-Tetrachloroethane	131		6.802					
88 Ethylbenzene	91		6.802					9
90 m-Xylene & p-Xylene	106		6.885					
91 o-Xylene	106		7.206					
92 Styrene	104		7.227					9
93 Bromoform	173		7.403					
95 Isopropylbenzene	105		7.486					9
97 Bromobenzene	156		7.755					
98 1,1,2,2-Tetrachloroethane	83		7.797					
99 N-Propylbenzene	91		7.817					9
100 1,2,3-Trichloropropane	110	7.745	7.828	-0.083	1	3090	1.05	
105 2-Chlorotoluene	126		7.900					9
104 1,3,5-Trimethylbenzene	105		7.962					
102 4-Chlorotoluene	91		7.994					
106 tert-Butylbenzene	134		8.222					
107 1,2,4-Trimethylbenzene	105		8.263					9
109 sec-Butylbenzene	105		8.398					9
110 1,3-Dichlorobenzene	146		8.501					
111 4-Isopropyltoluene	119		8.522					
113 1,4-Dichlorobenzene	146		8.584					
115 n-Butylbenzene	91		8.854					
116 1,2-Dichlorobenzene	146		8.885					
117 1,2-Dibromo-3-Chloropropane	75		9.558					
119 1,2,4-Trichlorobenzene	180		10.201					
120 Hexachlorobutadiene	225		10.315					
121 Naphthalene	128		10.408					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
122 1,2,3-Trichlorobenzene	180		10.605					

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

TestAmerica Buffalo
Tentatively Identified Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5975T\20121218-17648.b\T4488.D		
Lims ID:	480-30106-C-12-A	Client ID:	OC-SB-516-15/17-XXX
Inject. Date:	18-Dec-2012 15:59:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-30106-C-12-A		
Misc. Info.:	480-0017648-016		
Operator:	LH	Instrument ID:	HP5975T
Purge Vol:	5.000 mL	ALS Bottle#:	40
Lims Batch ID:	96317	Lims Sample ID:	16
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5975T\20121218-17648.b\T-8260.m		
Last Update:	18-Dec-2012 18:16:08	Calib Date:	03-Dec-2012 21:04:30
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:	25		
Process Host:	XAWRK024		

First Level Reviewer: HillL Date: 18-Dec-2012 16:20:41

Calibrated Tentative Identified Compound Results

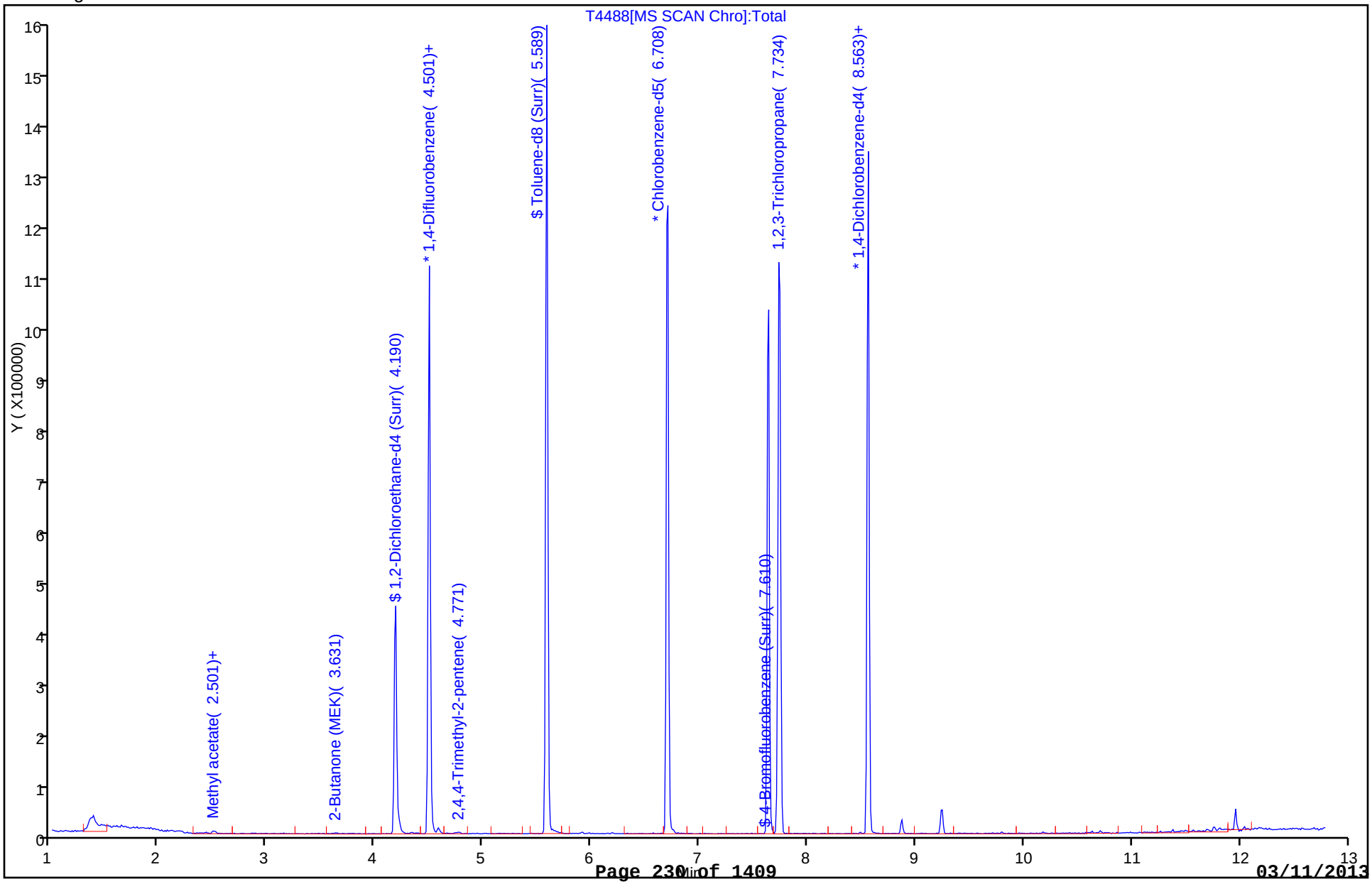
Compound	RT	Response	Amount ug/L	Flags
Dicyclopentadiene	8.563	7872		

Report Date: 19-Dec-2012 23:24:12 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5975T\20121218-17648.b\T4488.D		
Injection Date:	18-Dec-2012 15:59:30	Limit Group:	MV - 8260MCP_RCP
Client ID:	OC-SB-516-15/17-XXX	Instrument ID:	HP5975T
Lims Batch ID:	96317	Lims Sample ID:	16
Operator ID:	LH	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:

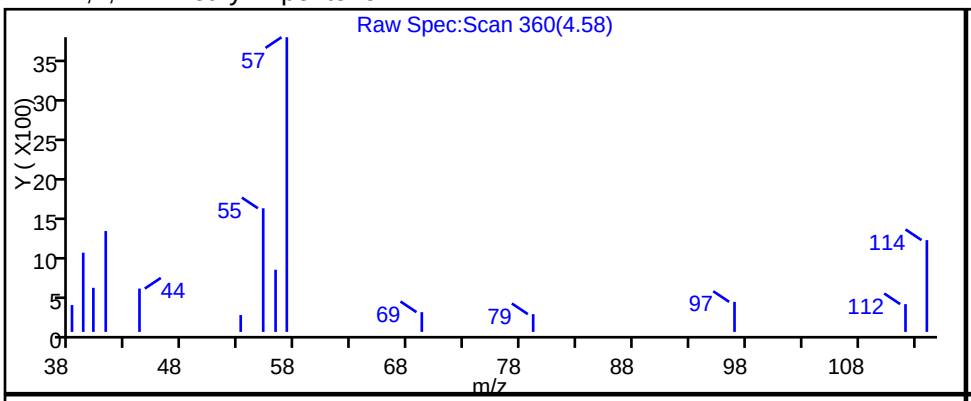


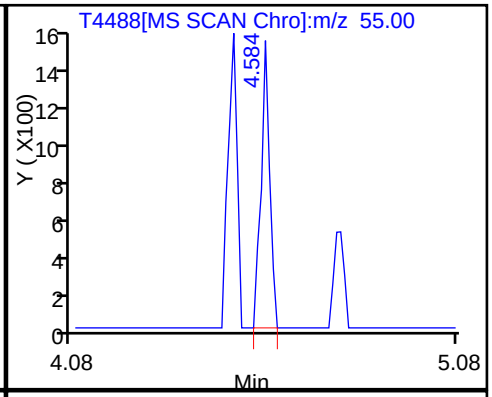
Report Date: 19-Dec-2012 23:24:13 Chrom Revision: 2.0 22-Oct-2012 16:30:48

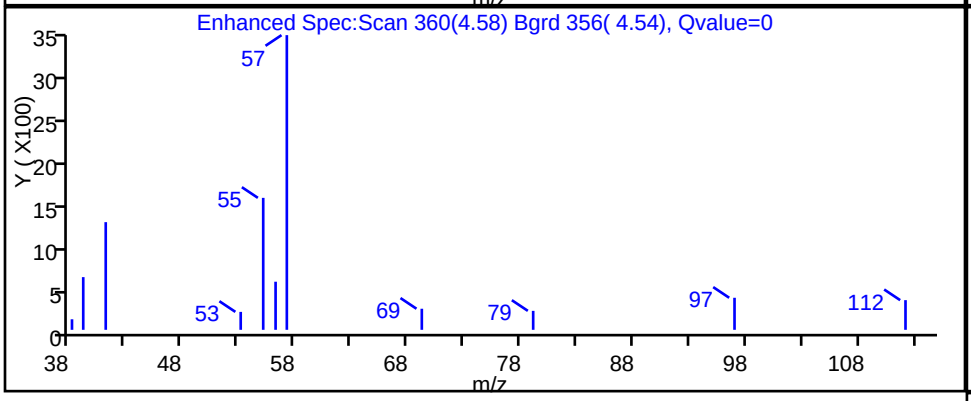
TestAmerica Buffalo

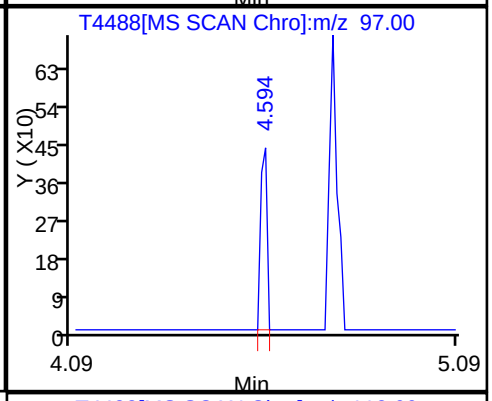
Data File:	\\Bufchrom\ChromData\HP5975T\20121218-17648.b\T4488.D		
Injection Date:	18-Dec-2012 15:59:30	Limit Group:	MV - 8260MCP_RCP
Client ID:	OC-SB-516-15/17-XXX	Instrument ID:	HP5975T
Lims Batch ID:	96317	Lims Sample ID:	16
Operator ID:	LH	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

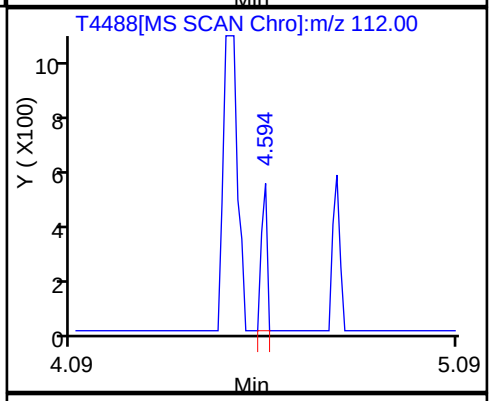
141 2,4,4-Trimethyl-1-pentene

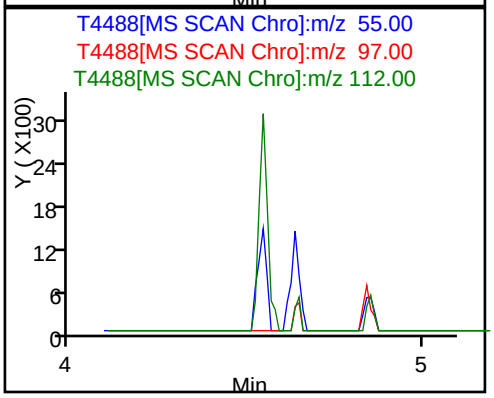












FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30106-1

SDG No.:

Client Sample ID: OC-SB-517-0.0/1.0-XXX | Lab Sample ID: 480-30106-13

Matrix: Solid | Lab File ID: T4489.D

Analysis Method: 8260C | Date Collected: 12/12/2012 12:15

Sample wt/vol: 8.531(g) | Date Analyzed: 12/18/2012 16:23

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 9.0 | Level: (low/med) Medium

Analysis Batch No.: 96317 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
107-39-1	2,4,4-Trimethyl-1-pentene	730		320	28
107-40-4	2,4,4-Trimethyl-2-pentene	260	J	320	34

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	116		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	114		70-130
460-00-4	4-Bromofluorobenzene (Surr)	113		70-130

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

Lab Name: TestAmerica Buffalo Job No.: 480-30106-1

SDG No.:

Client Sample ID: OC-SB-517-0.0/1.0-XXX Lab Sample ID: 480-30106-13

Matrix: Solid Lab File ID: T4489.D

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

Sample wt/vol: 8.531(g) Date Analyzed: 12/18/2012 16:23

Soil Aliquot Vol: 100 (uL) Dilution Factor: 1

Soil Extract Vol.: 10(mL) GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 9.0 Level: (low/med) Medium

Analysis Batch No.: 96317 Units: ug/Kg

Number TICs Found: 2 TIC Result Total: 1290

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Tentatively Identified Compound		None	H
79-46-9	2-Nitropropane	5.14	950	H *
110-57-6	trans-1,4-Dichloro-2-butene	8.00	340	H

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5975T\20121218-17648.b\T4489.D		
Lims ID:	480-30106-E-13-A	Client ID:	OC-SB-517-0.0/1.0-XXX
Inject. Date:	18-Dec-2012 16:23:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-30106-E-13-A		
Misc. Info.:	480-0017648-017		
Operator:	LH	Instrument ID:	HP5975T
Purge Vol:	5.000 mL	ALS Bottle#:	41
Lims Batch ID:	96317	Lims Sample ID:	17
Detector:	MS SCAN		

Method:	\\Bufchrom\ChromData\HP5975T\20121218-17648.b\T-8260.m		
Last Update:	18-Dec-2012 18:16:08	Calib Date:	03-Dec-2012 21:04:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5975T\20121203-17185.b\T3875.D		
Limit Group:	MV - 8260MCP_RCP		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	ZB-624	Column Dia:	0.25 mm
Process Host:	XAWRK024		

First Level Reviewer: larsonr Date: 18-Dec-2012 16:59:03

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.501	4.501	0.0	95	639018	25.0	
* 2 Chlorobenzene-d5	117	6.709	6.709	0.0	87	574680	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.564	8.564	0.0	97	278202	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	65	4.190	4.191	-0.001	0	251440	28.4	
$ 6 Toluene-d8 (Surr)	98	5.589	5.590	-0.001	94	754719	28.9	
$ 7 4-Bromofluorobenzene (Surr)	174	7.641	7.641	0.0	88	217240	28.2	
11 Dichlorodifluoromethane	85		0.936					
13 Chloromethane	50		1.061					
14 Vinyl chloride	62		1.133					
15 Bromomethane	94		1.372					
16 Chloroethane	64		1.444					
17 Trichlorofluoromethane	101		1.620					
19 Ethyl ether	59		1.859					
20 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.035					
22 1,1-Dichloroethene	96		2.035					
23 Acetone	43	1.993	2.169	-0.176	37	736	0.2947	
25 Carbon disulfide	76		2.201					
28 Methyl acetate	43	2.449	2.439	0.010	55	2655	0.3194	
30 Methylene Chloride	84		2.501					
32 trans-1,2-Dichloroethene	96		2.698					
33 Methyl tert-butyl ether	73		2.708					9
36 1,1-Dichloroethane	63		3.071					
37 Isopropyl ether	45		3.102					
41 Tert-butyl ethyl ether	59		3.393					
42 2,2-Dichloropropane	77		3.517					
43 cis-1,2-Dichloroethene	96		3.548					
44 2-Butanone (MEK)	43		3.600					9
47 Chlorobromomethane	128		3.745					
48 Tetrahydrofuran	42		3.765					9
50 Chloroform	83		3.807					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
52 Cyclohexane	56		3.890					
51 1,1,1-Trichloroethane	97		3.900					
53 Carbon tetrachloride	117		4.004					
54 1,1-Dichloropropene	75		4.014					
55 Benzene	78		4.190					
57 1,2-Dichloroethane	62		4.242					
58 Tert-amyl methyl ether	73		4.263					
141 2,4,4-Trimethyl-1-pentene	55	4.584	4.584	0.0	0	60314	11.4	
60 Trichloroethene	95		4.677					9
62 Methylcyclohexane	83		4.760					9
140 2,4,4-Trimethyl-2-pentene	97	4.781	4.781	0.0	0	56883	3.98	
63 1,2-Dichloropropane	63		4.864					9
65 Dibromomethane	93		4.968					
66 1,4-Dioxane	88		4.999					
67 Dichlorobromomethane	83		5.092					9
71 cis-1,3-Dichloropropene	75		5.423					
72 4-Methyl-2-pentanone (MIBK)	43	5.558	5.548	0.010	67	2209	0.2167	
73 Toluene	92		5.641					
75 trans-1,3-Dichloropropene	75		5.859					9
78 1,1,2-Trichloroethane	83		6.004					
79 Tetrachloroethene	166		6.035					
80 1,3-Dichloropropane	76		6.118					
81 2-Hexanone	43		6.190					9
82 Chlorodibromomethane	129		6.294					
83 Ethylene Dibromide	107		6.367					
86 Chlorobenzene	112		6.729					
89 1,1,1,2-Tetrachloroethane	131		6.802					
88 Ethylbenzene	91		6.802					9
90 m-Xylene & p-Xylene	106		6.885					
91 o-Xylene	106		7.206					
92 Styrene	104		7.227					
93 Bromoform	173		7.403					
95 Isopropylbenzene	105		7.486					
97 Bromobenzene	156		7.755					
98 1,1,2,2-Tetrachloroethane	83		7.797					
99 N-Propylbenzene	91		7.817					9
100 1,2,3-Trichloropropane	110	7.724	7.828	-0.104	1	823	0.2597	
105 2-Chlorotoluene	126		7.900					
104 1,3,5-Trimethylbenzene	105		7.962					9
102 4-Chlorotoluene	91		7.994					
106 tert-Butylbenzene	134		8.222					
107 1,2,4-Trimethylbenzene	105		8.263					9
109 sec-Butylbenzene	105		8.398					
110 1,3-Dichlorobenzene	146		8.501					
111 4-Isopropyltoluene	119		8.522					9
113 1,4-Dichlorobenzene	146		8.584					
115 n-Butylbenzene	91		8.854					9
116 1,2-Dichlorobenzene	146		8.885					
117 1,2-Dibromo-3-Chloropropane	75		9.558					
119 1,2,4-Trichlorobenzene	180		10.201					
120 Hexachlorobutadiene	225		10.315					
121 Naphthalene	128		10.408					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
122 1,2,3-Trichlorobenzene	180		10.605					

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

TestAmerica Buffalo
Tentatively Identified Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5975T\20121218-17648.b\T4489.D		
Lims ID:	480-30106-E-13-A	Client ID:	OC-SB-517-0.0/1.0-XXX
Inject. Date:	18-Dec-2012 16:23:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-30106-E-13-A		
Misc. Info.:	480-0017648-017		
Operator:	LH	Instrument ID:	HP5975T
Purge Vol:	5.000 mL	ALS Bottle#:	41
Lims Batch ID:	96317	Lims Sample ID:	17
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5975T\20121218-17648.b\T-8260.m		
Last Update:	18-Dec-2012 18:16:08	Calib Date:	03-Dec-2012 21:04:30
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:	25		
Process Host:	XAWRK024		

First Level Reviewer: larsonr Date: 18-Dec-2012 16:59:03

Calibrated Tentative Identified Compound Results

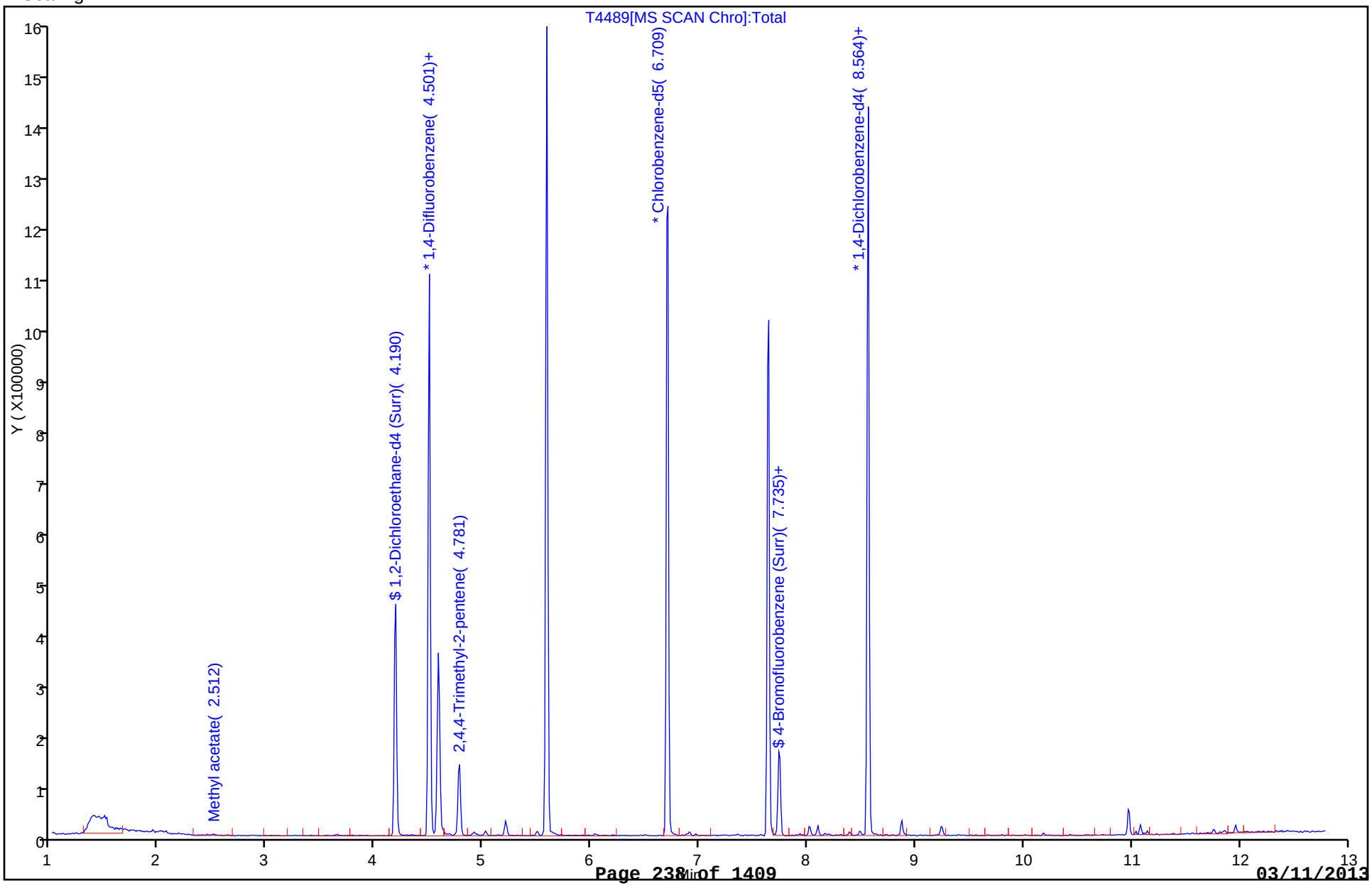
Compound	RT	Response	Amount ug/L	Flags
Isopropyl alcohol	2.242	1349		
Methyl methacrylate	4.926	3262	0.3758	
2-Nitropropane	5.144	347	14.8	
Epichlorohydrin	5.589	2025		
trans-1,4-Dichloro-2-butene	8.004	139	5.31	
Dicyclopentadiene	8.564	7975		
1,2,3-Trimethylbenzene	8.553	292		

Report Date: 19-Dec-2012 23:24:15 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5975T\20121218-17648.b\T4489.D		
Injection Date:	18-Dec-2012 16:23:30	Limit Group:	MV - 8260MCP_RCP
Client ID:	OC-SB-517-0.0/1.0-XXX	Instrument ID:	HP5975T
Lims Batch ID:	96317	Lims Sample ID:	17
Operator ID:	LH	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:

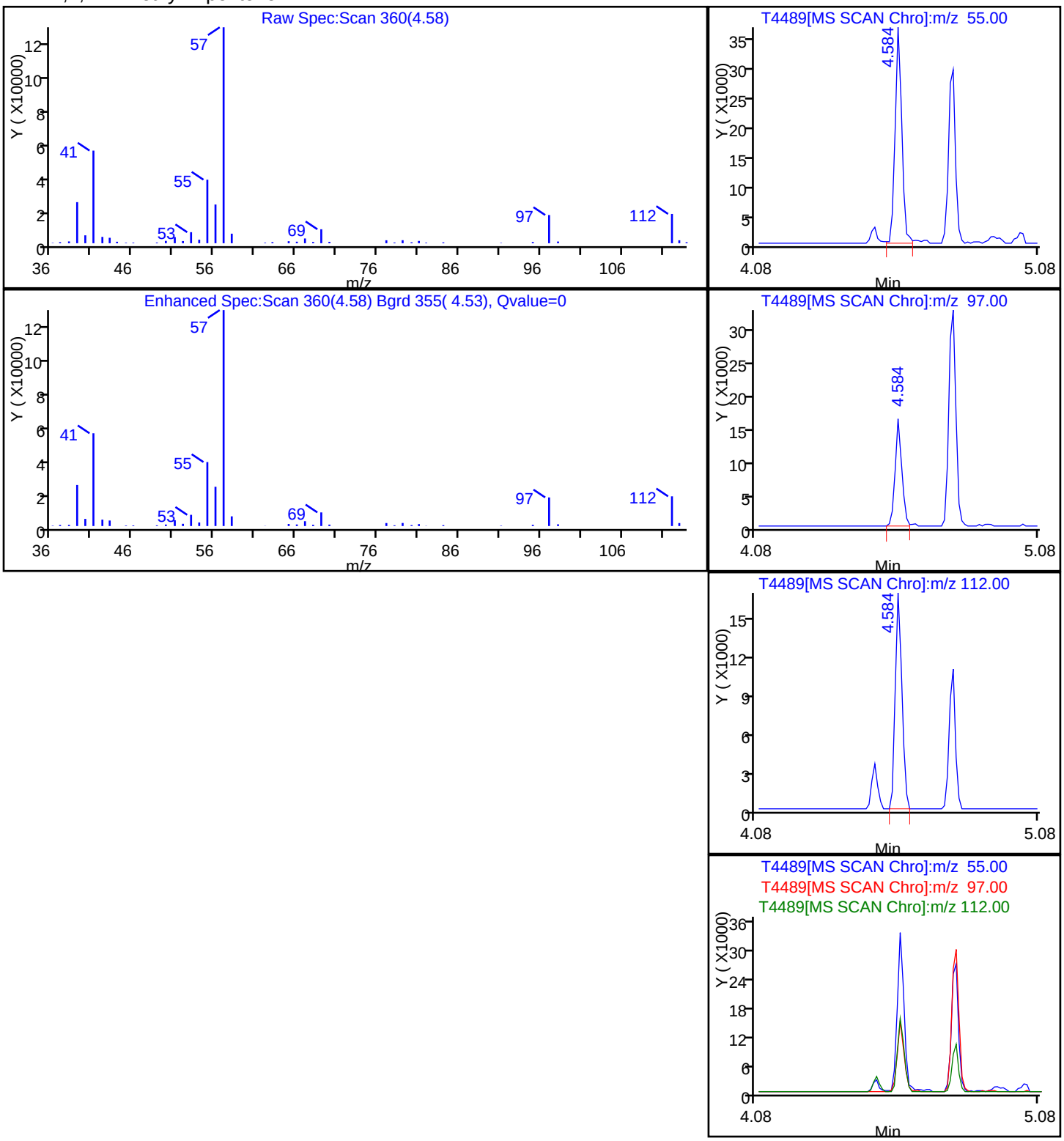


Report Date: 19-Dec-2012 23:24:15 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5975T\20121218-17648.b\T4489.D		
Injection Date:	18-Dec-2012 16:23:30	Limit Group:	MV - 8260MCP_RCP
Client ID:	OC-SB-517-0.0/1.0-XXX	Instrument ID:	HP5975T
Lims Batch ID:	96317	Lims Sample ID:	17
Operator ID:	LH	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

141 2,4,4-Trimethyl-1-pentene

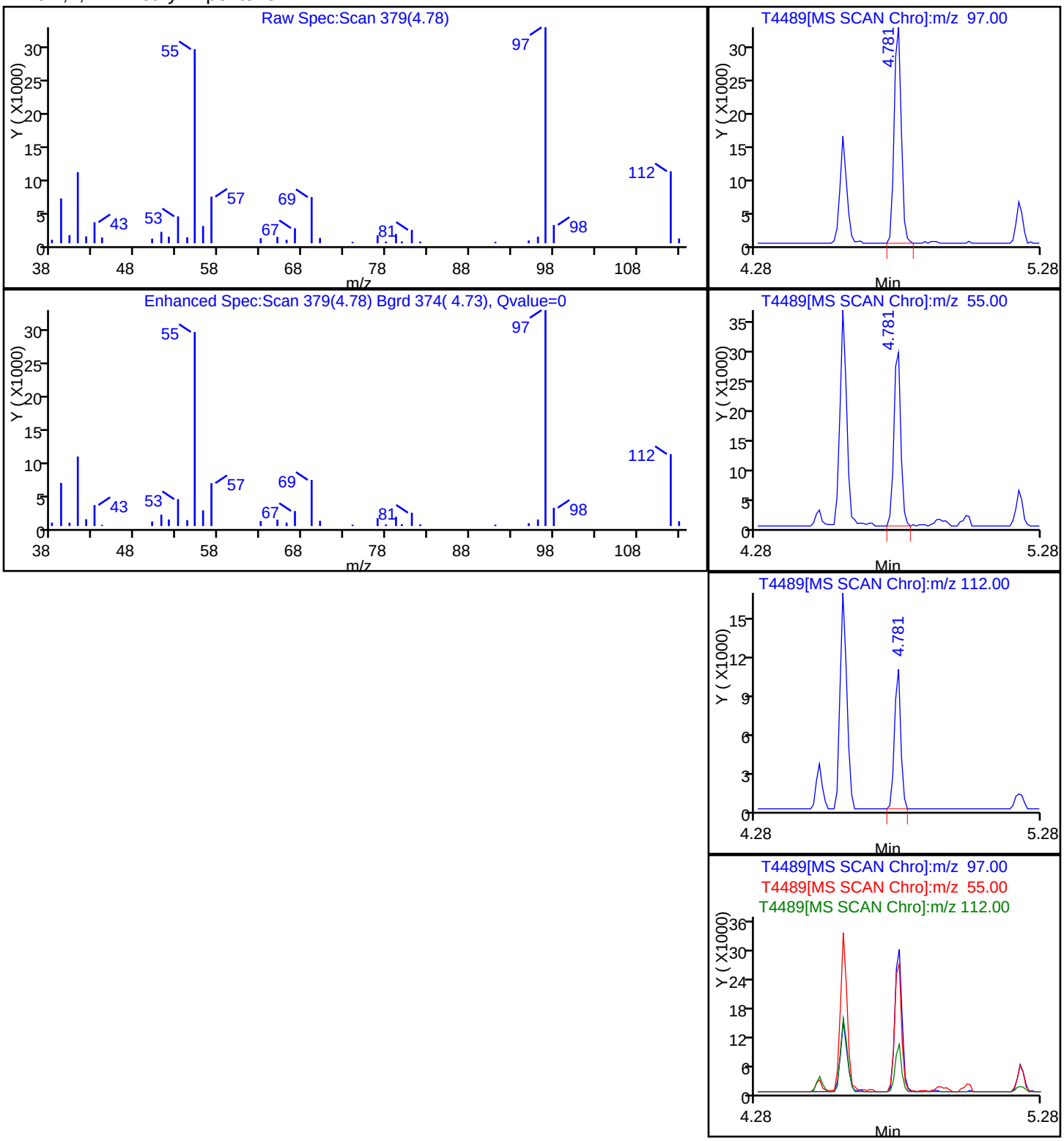


Report Date: 19-Dec-2012 23:24:15 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5975T\20121218-17648.b\T4489.D		
Injection Date:	18-Dec-2012 16:23:30	Limit Group:	MV - 8260MCP_RCP
Client ID:	OC-SB-517-0.0/1.0-XXX	Instrument ID:	HP5975T
Lims Batch ID:	96317	Lims Sample ID:	17
Operator ID:	LH	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

140 2,4,4-Trimethyl-2-pentene

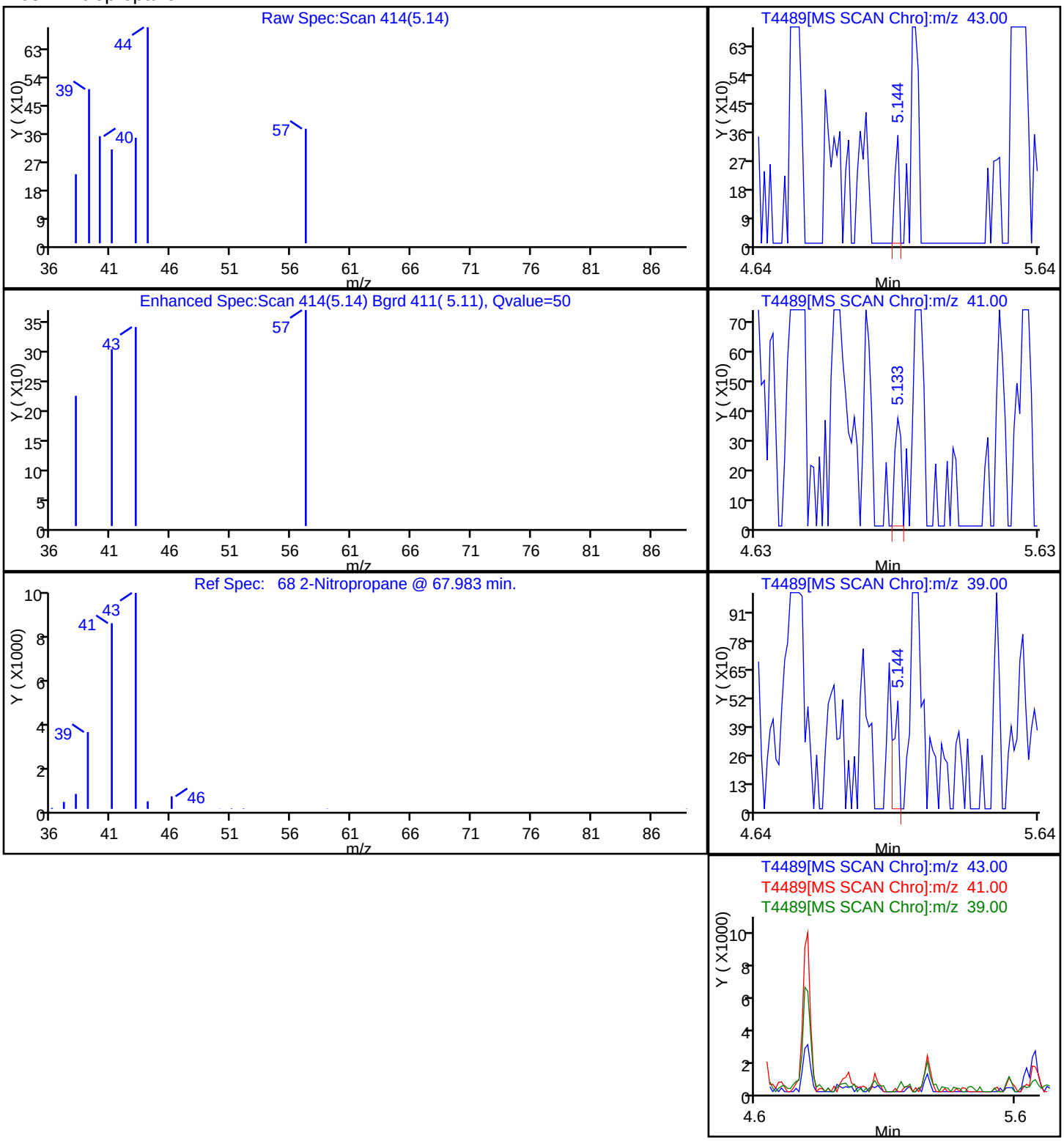


Report Date: 19-Dec-2012 23:24:15 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5975T\20121218-17648.b\T4489.D		
Injection Date:	18-Dec-2012 16:23:30	Limit Group:	MV - 8260MCP_RCP
Client ID:	OC-SB-517-0.0/1.0-XXX	Instrument ID:	HP5975T
Lims Batch ID:	96317	Lims Sample ID:	17
Operator ID:	LH	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

68 2-Nitropropane

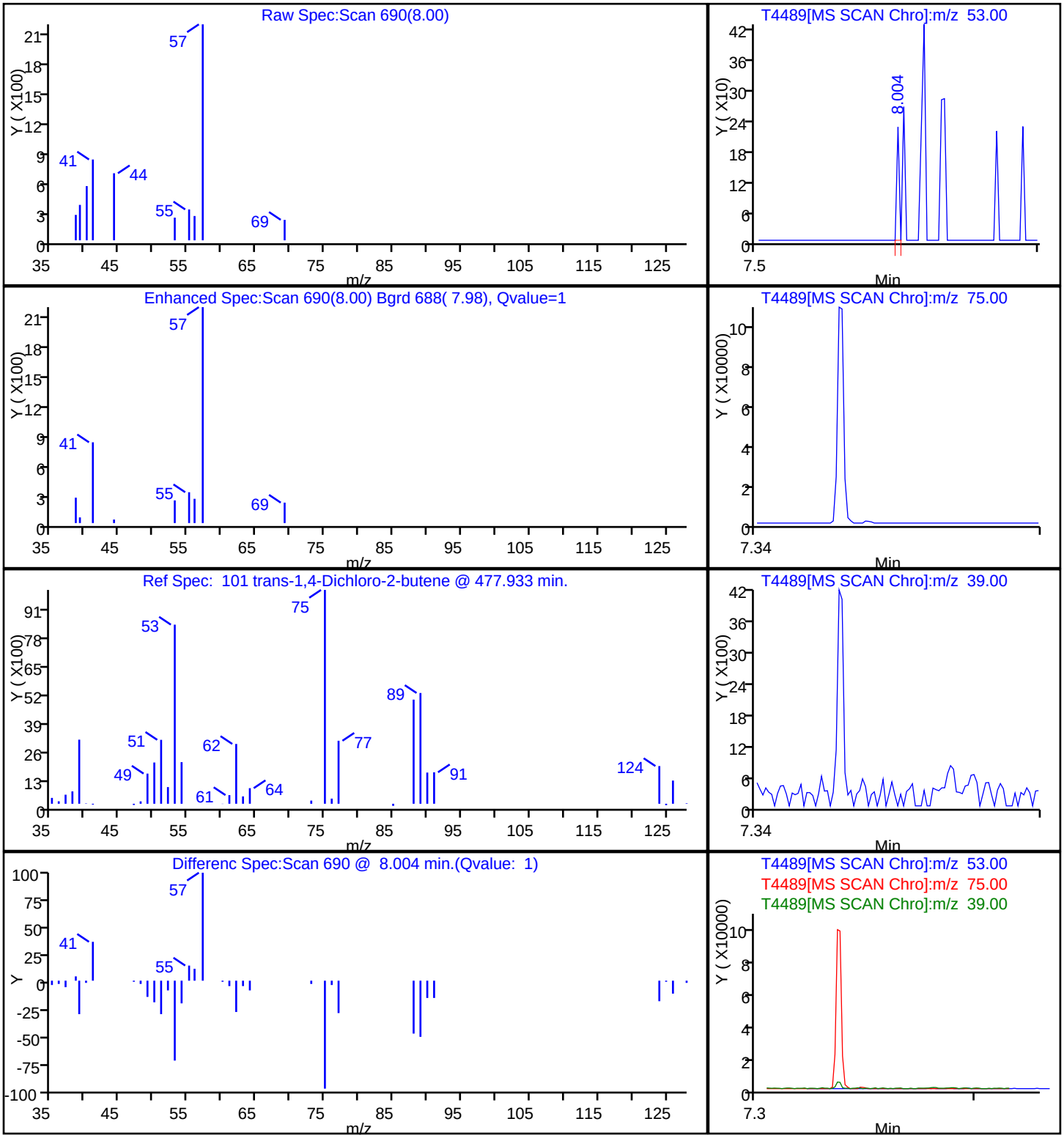


Report Date: 19-Dec-2012 23:24:15 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5975T\20121218-17648.b\T4489.D		
Injection Date:	18-Dec-2012 16:23:30	Limit Group:	MV - 8260MCP_RCP
Client ID:	OC-SB-517-0.0/1.0-XXX	Instrument ID:	HP5975T
Lims Batch ID:	96317	Lims Sample ID:	17
Operator ID:	LH	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

101 trans-1,4-Dichloro-2-butene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30106-1

SDG No.:

Client Sample ID: OC-SB-517-6.0/8.0-XXX | Lab Sample ID: 480-30106-14

Matrix: Solid | Lab File ID: T4490.D

Analysis Method: 8260C | Date Collected: 12/12/2012 12:20

Sample wt/vol: 8.279(g) | Date Analyzed: 12/18/2012 16:46

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 9.9 | Level: (low/med) Medium

Analysis Batch No.: 96317 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
107-39-1	2,4,4-Trimethyl-1-pentene	78	J	340	29
107-40-4	2,4,4-Trimethyl-2-pentene	ND		340	36

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	117		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	117		70-130
460-00-4	4-Bromofluorobenzene (Surr)	113		70-130

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

Lab Name: TestAmerica Buffalo Job No.: 480-30106-1

SDG No.:

Client Sample ID: OC-SB-517-6.0/8.0-XXX Lab Sample ID: 480-30106-14

Matrix: Solid Lab File ID: T4490.D

Analysis Method: 8260C Date Collected: 12/12/2012 12:20

Sample wt/vol: 8.279(g) Date Analyzed: 12/18/2012 16:46

Soil Aliquot Vol: 100 (uL) Dilution Factor: 1

Soil Extract Vol.: 10(mL) GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 9.9 Level: (low/med) Medium

Analysis Batch No.: 96317 Units: ug/Kg

Number TICs Found: 0 TIC Result Total: 0

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

FORM I-TIC 8260C

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5975T\20121218-17648.b\T4490.D
Lims ID: 480-30106-E-14-A
Client ID: OC-SB-517-6.0/8.0-XXX
Inject. Date: 18-Dec-2012 16:46:30
Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 480-30106-E-14-A
Misc. Info.: 480-0017648-018
Operator: LH
Instrument ID: HP5975T
Purge Vol: 5.000 mL
ALS Bottle#: 42
Lims Batch ID: 96317
Lims Sample ID: 18
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5975T\20121218-17648.b\T-8260.m
Last Update: 18-Dec-2012 18:16:08
Calib Date: 03-Dec-2012 21:04:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5975T\20121203-17185.b\T3875.D
Limit Group: MV - 8260MCP_RCP
Integrator: RTE
ID Type: Deconvolution ID
Column Type: ZB-624
Column Dia: 0.25 mm
Process Host: XAWRK024

First Level Reviewer: larsonr
Date: 18-Dec-2012 18:16:08

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.501	4.501	0.0	95	638392	25.0	
* 2 Chlorobenzene-d5	117	6.709	6.709	0.0	86	587080	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.564	8.564	0.0	97	271614	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	65	4.190	4.191	-0.001	0	258144	29.2	
$ 6 Toluene-d8 (Surr)	98	5.589	5.590	-0.001	94	776236	29.1	
$ 7 4-Bromofluorobenzene (Surr)	174	7.641	7.641	0.0	89	221456	28.2	
11 Dichlorodifluoromethane	85		0.936					
13 Chloromethane	50		1.061					9
14 Vinyl chloride	62		1.133					
15 Bromomethane	94		1.372					
16 Chloroethane	64	1.392	1.444	-0.052	24	765	0.1519	
17 Trichlorofluoromethane	101		1.620					
19 Ethyl ether	59		1.859					
20 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.035					
22 1,1-Dichloroethene	96		2.035					
23 Acetone	43	1.983	2.169	-0.186	47	1833	0.7346	
25 Carbon disulfide	76		2.201					
28 Methyl acetate	43		2.439					
30 Methylene Chloride	84		2.501					
32 trans-1,2-Dichloroethene	96		2.698					
33 Methyl tert-butyl ether	73		2.708					9
36 1,1-Dichloroethane	63		3.071					
37 Isopropyl ether	45		3.102					
41 Tert-butyl ethyl ether	59		3.393					
42 2,2-Dichloropropane	77		3.517					
43 cis-1,2-Dichloroethene	96		3.548					
44 2-Butanone (MEK)	43		3.600					9
47 Chlorobromomethane	128		3.745					
48 Tetrahydrofuran	42		3.765					9
50 Chloroform	83		3.807					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
52 Cyclohexane	56		3.890					
51 1,1,1-Trichloroethane	97		3.900					
53 Carbon tetrachloride	117		4.004					
54 1,1-Dichloropropene	75		4.014					
55 Benzene	78		4.190					
57 1,2-Dichloroethane	62		4.242					
58 Tert-amyl methyl ether	73		4.263					
141 2,4,4-Trimethyl-1-pentene	55	4.584	4.584	0.0	0	6129	1.16	
60 Trichloroethene	95		4.677					9
62 Methylcyclohexane	83		4.760					
140 2,4,4-Trimethyl-2-pentene	97	4.771	4.781	-0.010	0	2991	0.2095	
63 1,2-Dichloropropane	63		4.864					
65 Dibromomethane	93		4.968					
66 1,4-Dioxane	88		4.999					
67 Dichlorobromomethane	83		5.092					9
71 cis-1,3-Dichloropropene	75		5.423					
72 4-Methyl-2-pentanone (MIBK)	43		5.548					9
73 Toluene	92		5.641					
75 trans-1,3-Dichloropropene	75		5.859					9
78 1,1,2-Trichloroethane	83		6.004					
79 Tetrachloroethene	166		6.035					
80 1,3-Dichloropropane	76		6.118					
81 2-Hexanone	43		6.190					9
82 Chlorodibromomethane	129		6.294					
83 Ethylene Dibromide	107		6.367					
86 Chlorobenzene	112		6.729					
89 1,1,1,2-Tetrachloroethane	131		6.802					
88 Ethylbenzene	91		6.802					9
90 m-Xylene & p-Xylene	106		6.885					
91 o-Xylene	106		7.206					
92 Styrene	104		7.227					
93 Bromoform	173		7.403					
95 Isopropylbenzene	105		7.486					9
97 Bromobenzene	156		7.755					
98 1,1,2,2-Tetrachloroethane	83		7.797					
99 N-Propylbenzene	91		7.817					9
100 1,2,3-Trichloropropane	110	7.745	7.828	-0.083	1	7434	2.40	
105 2-Chlorotoluene	126		7.900					9
104 1,3,5-Trimethylbenzene	105		7.962					
102 4-Chlorotoluene	91		7.994					
106 tert-Butylbenzene	134		8.222					
107 1,2,4-Trimethylbenzene	105		8.263					
109 sec-Butylbenzene	105		8.398					9
110 1,3-Dichlorobenzene	146		8.501					
111 4-Isopropyltoluene	119		8.522					
113 1,4-Dichlorobenzene	146		8.584					
115 n-Butylbenzene	91		8.854					
116 1,2-Dichlorobenzene	146		8.885					
117 1,2-Dibromo-3-Chloropropane	75		9.558					
119 1,2,4-Trichlorobenzene	180		10.201					
120 Hexachlorobutadiene	225		10.315					
121 Naphthalene	128		10.408					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
122 1,2,3-Trichlorobenzene	180		10.605					

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

TestAmerica Buffalo
Tentatively Identified Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5975T\20121218-17648.b\T4490.D		
Lims ID:	480-30106-E-14-A	Client ID:	OC-SB-517-6.0/8.0-XXX
Inject. Date:	18-Dec-2012 16:46:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-30106-E-14-A		
Misc. Info.:	480-0017648-018		
Operator:	LH	Instrument ID:	HP5975T
Purge Vol:	5.000 mL	ALS Bottle#:	42
Lims Batch ID:	96317	Lims Sample ID:	18
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5975T\20121218-17648.b\T-8260.m		
Last Update:	18-Dec-2012 18:16:08	Calib Date:	03-Dec-2012 21:04:30
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:	25		
Process Host:	XAWRK024		

First Level Reviewer: larsonr Date: 18-Dec-2012 18:16:08

Calibrated Tentative Identified Compound Results

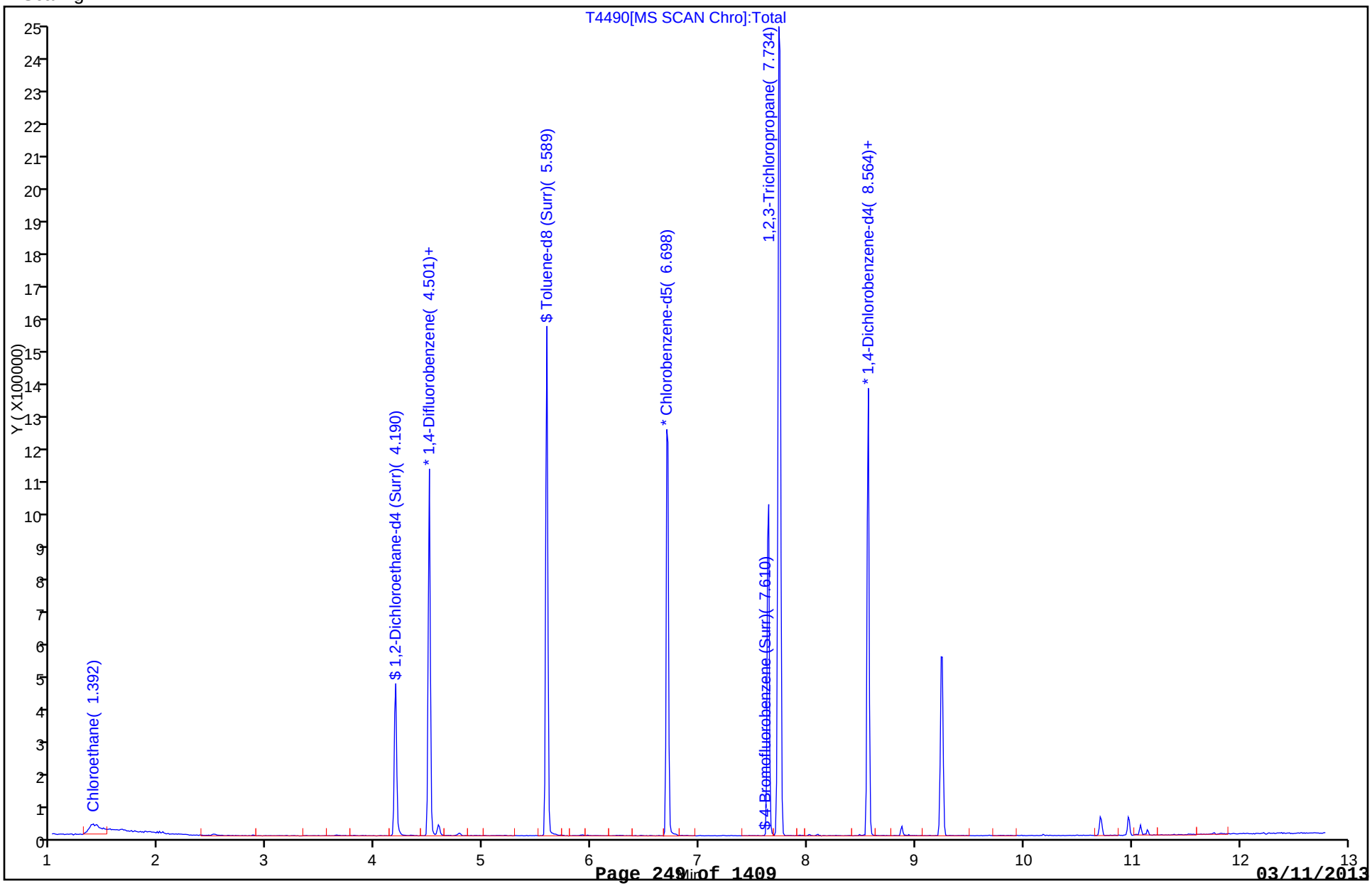
Compound	RT	Response	Amount ug/L	Flags
Hexane	2.864	638		
Methyl methacrylate	4.781	2984	0.3442	
Dicyclopentadiene	8.564	8902		
1,2,3-Trimethylbenzene	8.553	356		

Report Date: 19-Dec-2012 23:24:18 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5975T\20121218-17648.b\T4490.D		
Injection Date:	18-Dec-2012 16:46:30	Limit Group:	MV - 8260MCP_RCP
Client ID:	OC-SB-517-6.0/8.0-XXX	Instrument ID:	HP5975T
Lims Batch ID:	96317	Lims Sample ID:	18
Operator ID:	LH	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:

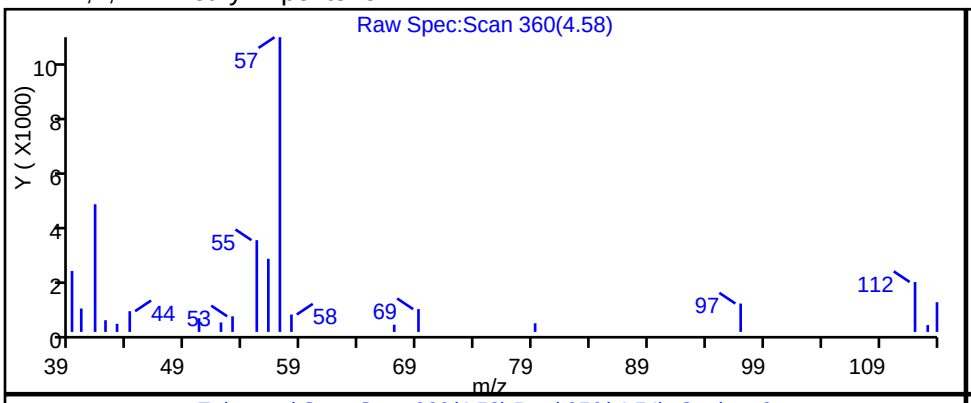


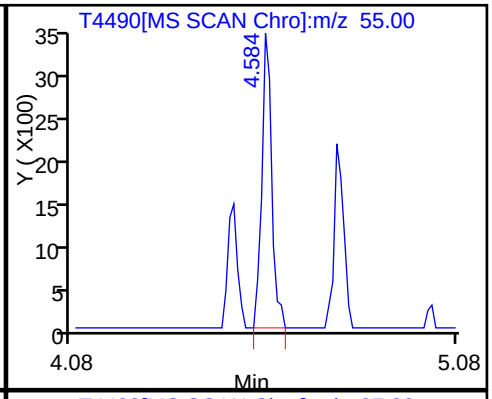
Report Date: 19-Dec-2012 23:24:18 Chrom Revision: 2.0 22-Oct-2012 16:30:48

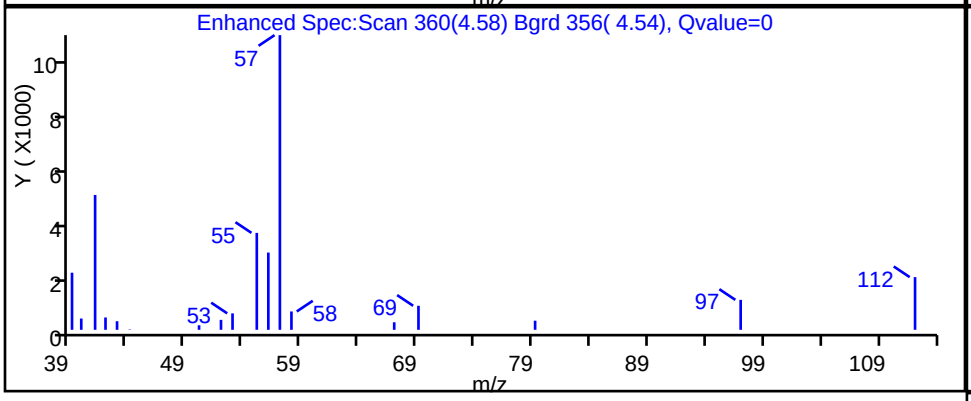
TestAmerica Buffalo

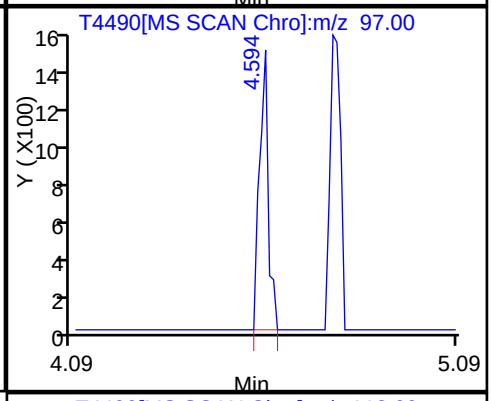
Data File:	\\Bufchrom\ChromData\HP5975T\20121218-17648.b\T4490.D		
Injection Date:	18-Dec-2012 16:46:30	Limit Group:	MV - 8260MCP_RCP
Client ID:	OC-SB-517-6.0/8.0-XXX	Instrument ID:	HP5975T
Lims Batch ID:	96317	Lims Sample ID:	18
Operator ID:	LH	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

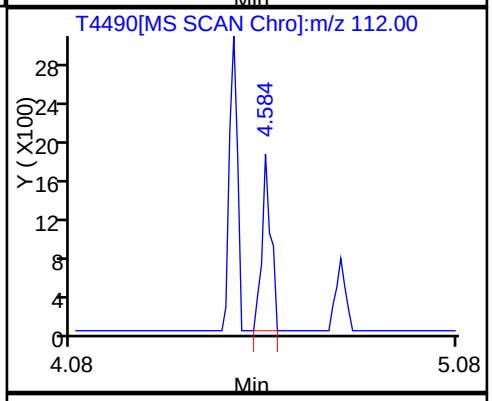
141 2,4,4-Trimethyl-1-pentene

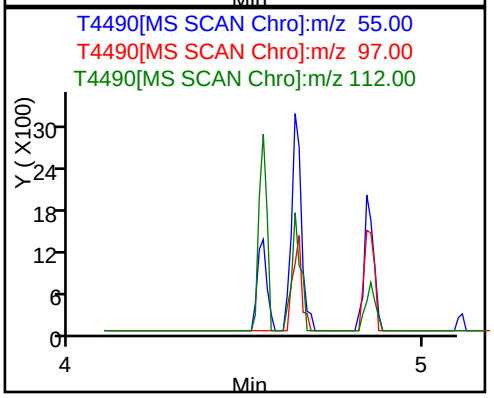












FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30106-1

SDG No.:

Client Sample ID: OC-SB-517-18/20-XXX | Lab Sample ID: 480-30106-15

Matrix: Solid | Lab File ID: T4491.D

Analysis Method: 8260C | Date Collected: 12/12/2012 12:40

Sample wt/vol: 10.05(g) | Date Analyzed: 12/18/2012 17:10

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 21.9 | Level: (low/med) Medium

Analysis Batch No.: 96317 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
107-39-1	2,4,4-Trimethyl-1-pentene	170	J	320	27
107-40-4	2,4,4-Trimethyl-2-pentene	38	J	320	34

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	114		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	121		70-130
460-00-4	4-Bromofluorobenzene (Surr)	111		70-130

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

Lab Name: TestAmerica Buffalo Job No.: 480-30106-1

SDG No.:

Client Sample ID: OC-SB-517-18/20-XXX Lab Sample ID: 480-30106-15

Matrix: Solid Lab File ID: T4491.D

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

Sample wt/vol: 10.05(g) Date Analyzed: 12/18/2012 17:10

Soil Aliquot Vol: 100 (uL) Dilution Factor: 1

Soil Extract Vol.: 10(mL) GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 21.9 Level: (low/med) Medium

Analysis Batch No.: 96317 Units: ug/Kg

Number TICs Found: 0 TIC Result Total: 0

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

FORM I-TIC 8260C

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5975T\20121218-17648.b\T4491.D
Lims ID: 480-30106-E-15-A
Client ID: OC-SB-517-18/20-XXX
Inject. Date: 18-Dec-2012 17:10:30
Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 480-30106-E-15-A
Misc. Info.: 480-0017648-019
Operator: LH
Instrument ID: HP5975T
Purge Vol: 5.000 mL
ALS Bottle#: 43
Lims Batch ID: 96317
Lims Sample ID: 19
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5975T\20121218-17648.b\T-8260.m
Last Update: 18-Dec-2012 18:16:08
Calib Date: 03-Dec-2012 21:04:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5975T\20121203-17185.b\T3875.D
Limit Group: MV - 8260MCP_RCP
Integrator: RTE
ID Type: Deconvolution ID
Column Type: ZB-624
Column Dia: 0.25 mm
Process Host: XAWRK024

First Level Reviewer: larsonr
Date: 18-Dec-2012 17:56:12

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.501	4.501	0.0	95	623023	25.0	
* 2 Chlorobenzene-d5	117	6.709	6.709	0.0	87	583750	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.564	8.564	0.0	97	279375	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	65	4.191	4.191	-0.001	0	260453	30.2	
$ 6 Toluene-d8 (Surr)	98	5.590	5.590	0.0	93	755946	28.5	
$ 7 4-Bromofluorobenzene (Surr)	174	7.641	7.641	0.0	87	216805	27.7	
11 Dichlorodifluoromethane	85		0.936					
13 Chloromethane	50		1.061					
14 Vinyl chloride	62		1.133					
15 Bromomethane	94		1.372					
16 Chloroethane	64	1.465	1.444	0.021	1	1316	0.2677	
17 Trichlorofluoromethane	101		1.620					
19 Ethyl ether	59		1.859					
20 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.035					
22 1,1-Dichloroethene	96		2.035					
23 Acetone	43	2.180	2.169	0.011	71	2198	0.9026	
25 Carbon disulfide	76		2.201					
28 Methyl acetate	43	2.450	2.439	0.011	55	2076	0.2562	
30 Methylene Chloride	84	2.512	2.501	0.011	81	5292	0.2756	
32 trans-1,2-Dichloroethene	96		2.698					
33 Methyl tert-butyl ether	73		2.708					9
36 1,1-Dichloroethane	63		3.071					
37 Isopropyl ether	45		3.102					
41 Tert-butyl ethyl ether	59		3.393					
42 2,2-Dichloropropane	77		3.517					
43 cis-1,2-Dichloroethene	96		3.548					
44 2-Butanone (MEK)	43	3.621	3.600	0.021	39	2043	0.4537	
47 Chlorobromomethane	128		3.745					
48 Tetrahydrofuran	42		3.765					9
50 Chloroform	83		3.807					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
52 Cyclohexane	56		3.890					
51 1,1,1-Trichloroethane	97		3.900					
53 Carbon tetrachloride	117		4.004					
54 1,1-Dichloropropene	75		4.014					
55 Benzene	78		4.190					
57 1,2-Dichloroethane	62		4.242					
58 Tert-amyl methyl ether	73		4.263					
141 2,4,4-Trimethyl-1-pentene	55	4.584	4.584	0.0	0	13925	2.70	
60 Trichloroethene	95		4.677					9
62 Methylcyclohexane	83		4.760					
140 2,4,4-Trimethyl-2-pentene	97	4.781	4.781	0.0	0	8213	0.5896	
63 1,2-Dichloropropane	63		4.864					
65 Dibromomethane	93		4.968					
66 1,4-Dioxane	88		4.999					
67 Dichlorobromomethane	83		5.092					9
71 cis-1,3-Dichloropropene	75		5.423					9
72 4-Methyl-2-pentanone (MIBK)	43		5.548					9
73 Toluene	92		5.641					9
75 trans-1,3-Dichloropropene	75		5.859					9
78 1,1,2-Trichloroethane	83		6.004					
79 Tetrachloroethene	166		6.035					
80 1,3-Dichloropropane	76		6.118					
81 2-Hexanone	43		6.190					9
82 Chlorodibromomethane	129		6.294					
83 Ethylene Dibromide	107		6.367					
86 Chlorobenzene	112		6.729					
89 1,1,1,2-Tetrachloroethane	131		6.802					
88 Ethylbenzene	91		6.802					9
90 m-Xylene & p-Xylene	106		6.885					
91 o-Xylene	106		7.206					
92 Styrene	104		7.227					
93 Bromoform	173		7.403					
95 Isopropylbenzene	105		7.486					9
97 Bromobenzene	156		7.755					
98 1,1,2,2-Tetrachloroethane	83		7.797					
99 N-Propylbenzene	91		7.817					9
100 1,2,3-Trichloropropane	110	7.735	7.828	-0.093	1	3871	1.22	
105 2-Chlorotoluene	126		7.900					9
104 1,3,5-Trimethylbenzene	105		7.962					
102 4-Chlorotoluene	91		7.994					
106 tert-Butylbenzene	134		8.222					
107 1,2,4-Trimethylbenzene	105		8.263					
109 sec-Butylbenzene	105		8.398					
110 1,3-Dichlorobenzene	146		8.501					
111 4-Isopropyltoluene	119		8.522					
113 1,4-Dichlorobenzene	146		8.584					
115 n-Butylbenzene	91		8.854					
116 1,2-Dichlorobenzene	146		8.885					
117 1,2-Dibromo-3-Chloropropane	75		9.558					
119 1,2,4-Trichlorobenzene	180		10.201					
120 Hexachlorobutadiene	225		10.315					
121 Naphthalene	128		10.408					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
122 1,2,3-Trichlorobenzene	180		10.605					

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

TestAmerica Buffalo
Tentatively Identified Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5975T\20121218-17648.b\T4491.D		
Lims ID:	480-30106-E-15-A	Client ID:	OC-SB-517-18/20-XXX
Inject. Date:	18-Dec-2012 17:10:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-30106-E-15-A		
Misc. Info.:	480-0017648-019		
Operator:	LH	Instrument ID:	HP5975T
Purge Vol:	5.000 mL	ALS Bottle#:	43
Lims Batch ID:	96317	Lims Sample ID:	19
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5975T\20121218-17648.b\T-8260.m		
Last Update:	18-Dec-2012 18:16:08	Calib Date:	03-Dec-2012 21:04:30
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:	25		
Process Host:	XAWRK024		

First Level Reviewer: larsonr Date: 18-Dec-2012 17:56:12

Calibrated Tentative Identified Compound Results

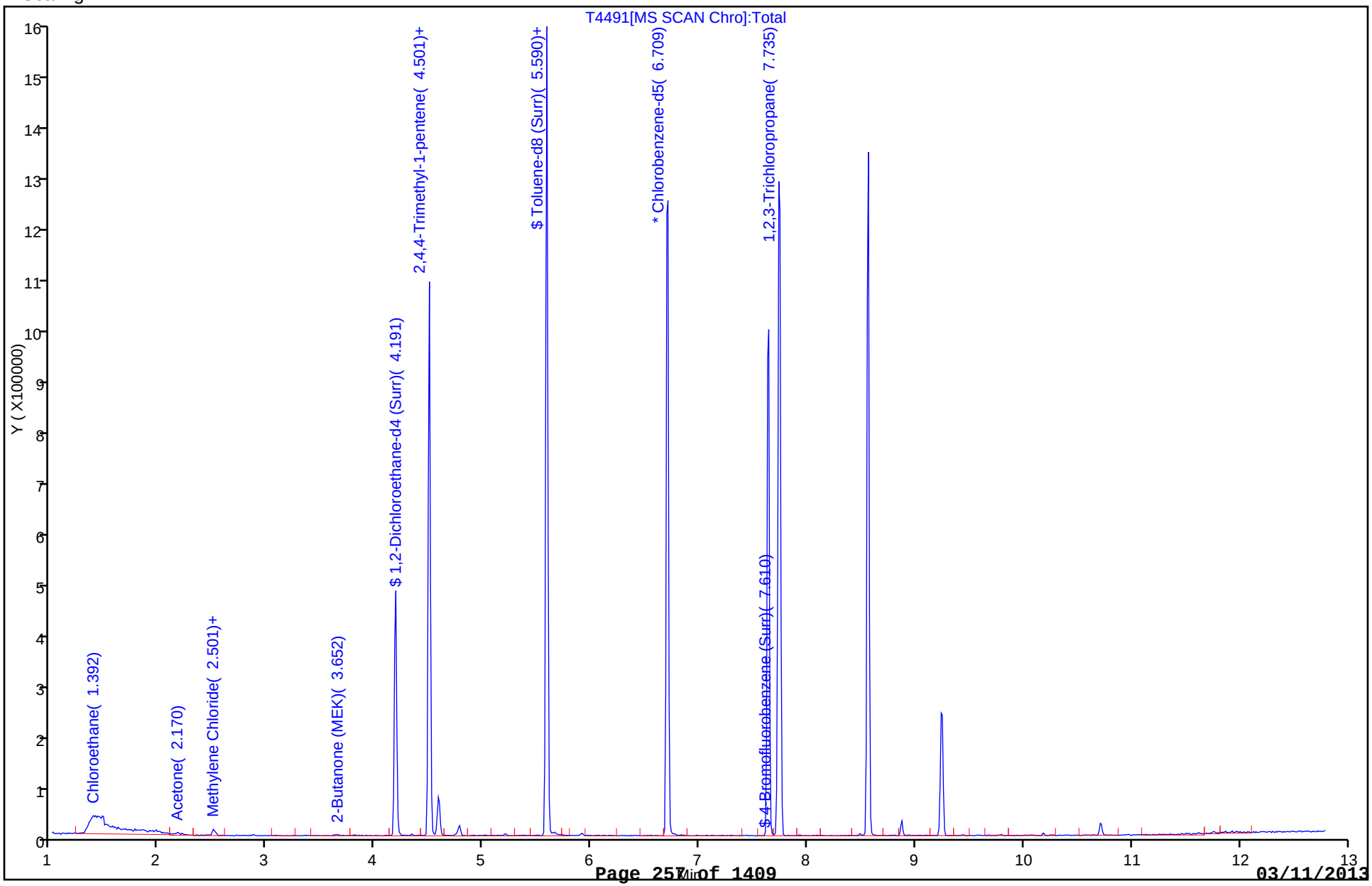
Compound	RT	Response	Amount ug/L	Flags
Hexane	2.874	785		
n-Butanol	4.750	2219		
Methyl methacrylate	4.771	4536	0.5361	
Epichlorohydrin	5.590	680		
Dicyclopentadiene	8.564	9374		

Report Date: 19-Dec-2012 23:24:40 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5975T\20121218-17648.b\T4491.D		
Injection Date:	18-Dec-2012 17:10:30	Limit Group:	MV - 8260MCP_RCP
Client ID:	OC-SB-517-18/20-XXX	Instrument ID:	HP5975T
Lims Batch ID:	96317	Lims Sample ID:	19
Operator ID:	LH	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:



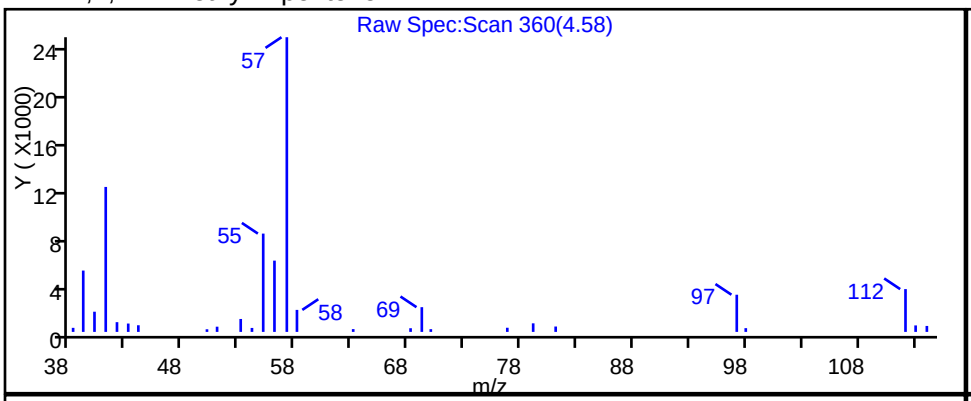
03/11/2013

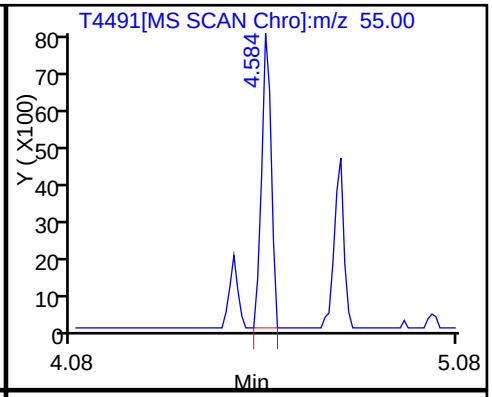
Report Date: 19-Dec-2012 23:24:40 Chrom Revision: 2.0 22-Oct-2012 16:30:48

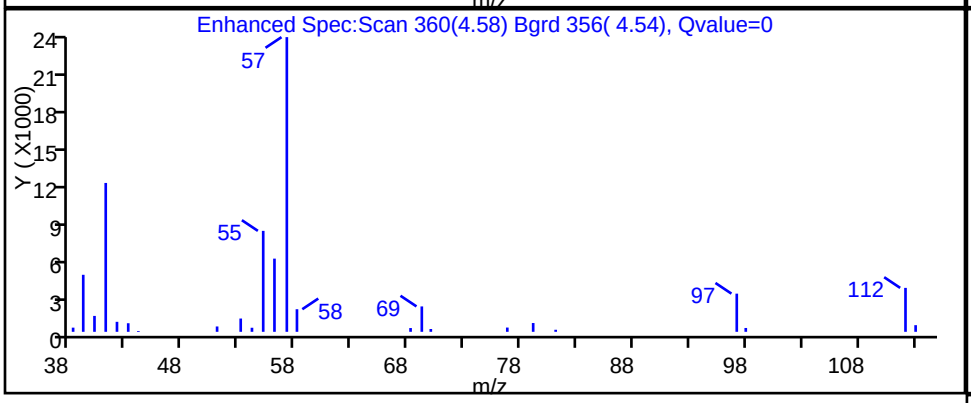
TestAmerica Buffalo

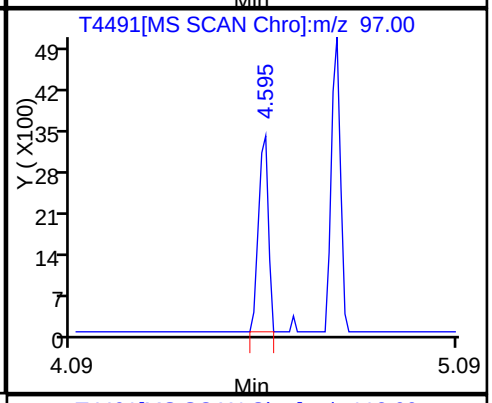
Data File:	\\Bufchrom\ChromData\HP5975T\20121218-17648.b\T4491.D		
Injection Date:	18-Dec-2012 17:10:30	Limit Group:	MV - 8260MCP_RCP
Client ID:	OC-SB-517-18/20-XXX	Instrument ID:	HP5975T
Lims Batch ID:	96317	Lims Sample ID:	19
Operator ID:	LH	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

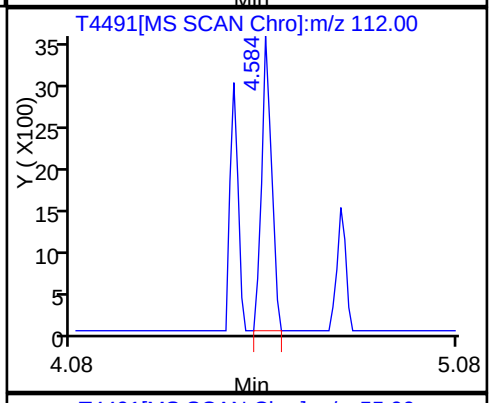
141 2,4,4-Trimethyl-1-pentene

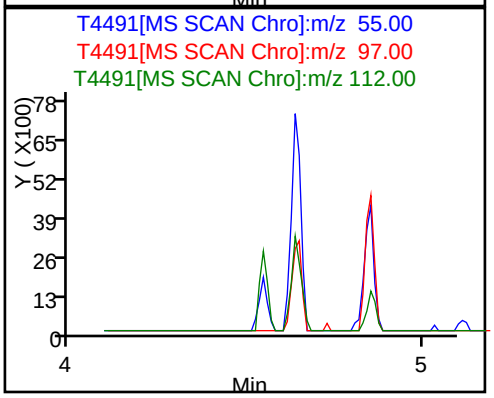










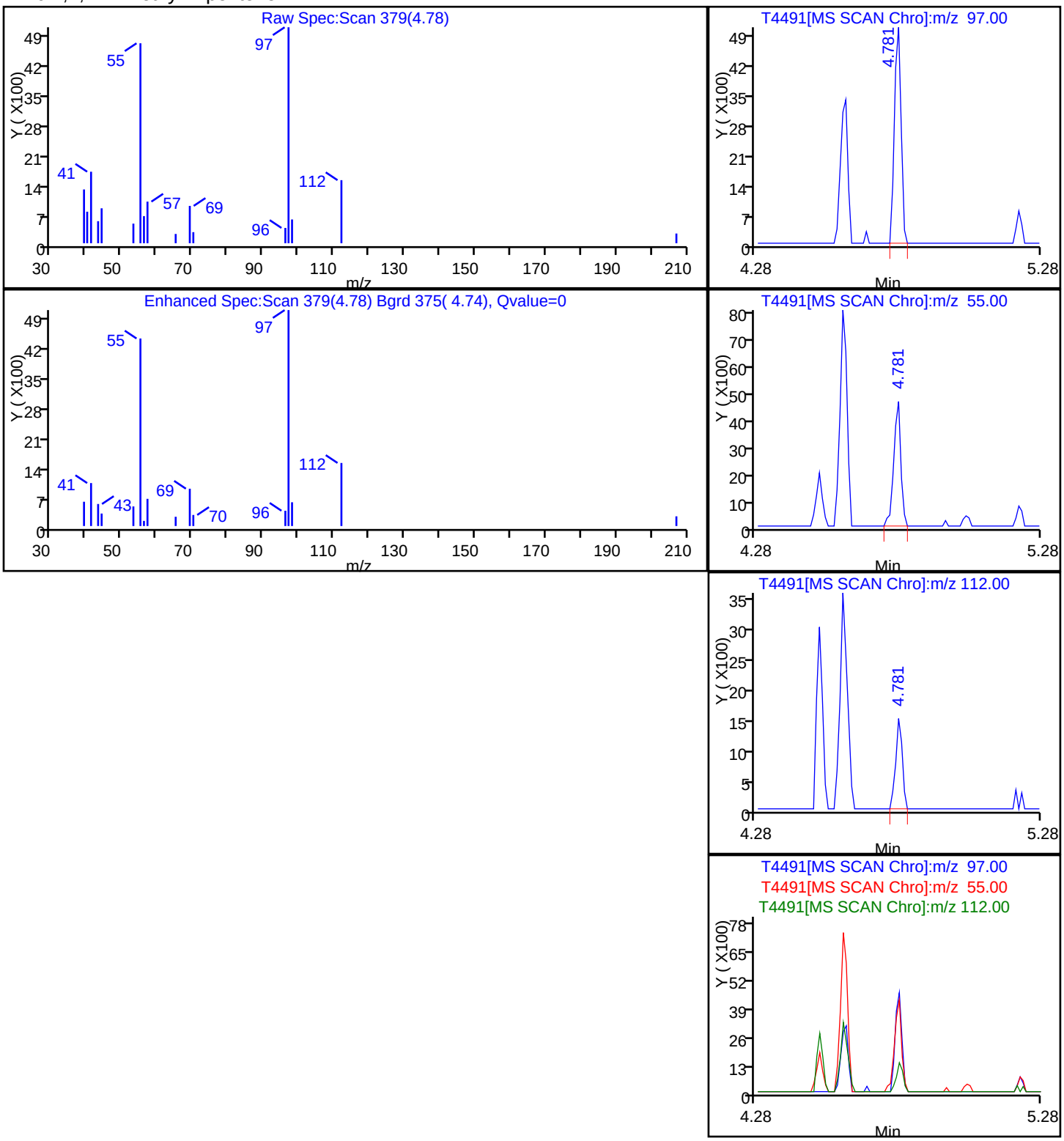


Report Date: 19-Dec-2012 23:24:40 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5975T\20121218-17648.b\T4491.D		
Injection Date:	18-Dec-2012 17:10:30	Limit Group:	MV - 8260MCP_RCP
Client ID:	OC-SB-517-18/20-XXX	Instrument ID:	HP5975T
Lims Batch ID:	96317	Lims Sample ID:	19
Operator ID:	LH	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

140 2,4,4-Trimethyl-2-pentene



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

Lab Name: TestAmerica Buffalo Job No.: 480-30106-1 Analy Batch No.: 93813

SDG No.:

Instrument ID: HP5975T GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2012 13:54 Calibration End Date: 12/03/2012 13:54 Calibration ID: 11363

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-93813/2	T3874.D
Level 2	IC 480-93813/3	T3875.D
Level 3	IC 480-93813/4	T3857.D
Level 4	IC 480-93813/5	T3858.D
Level 5	ICIS 480-93813/6	T3859.D
Level 6	IC 480-93813/7	T3860.D
Level 7	IC 480-93813/8	T3861.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	0.2375	0.2018 0.2405	0.2381	0.1809	0.2556	Ave		0.2257			0.1000	13.0		15.0			
Chloromethane	0.3003	0.3317 0.2970	0.3186	0.2986	0.3084	Ave		0.3091			0.0500	4.4		15.0			
Vinyl chloride	0.4758 0.3049	0.3014 0.3098	0.3026	0.2773	0.3134	Lin1	0.0369	0.3061			0.1000				0.9990		0.9900
Bromomethane	0.1699	0.2696 0.1681	0.1803	0.1494	0.1599	Lin1	0.0786	0.1649			0.0500				0.9980		0.9900
Chloroethane	0.1906	0.2402 0.1918	0.1861	0.1784	0.1964	Ave		0.1972			0.1000	11.0		15.0			
Trichlorofluoromethane	0.3094	0.1932 0.3292	0.2424	0.1980	0.2888	Lin1	-0.247	0.3166			0.1000				0.9920		0.9900
Acrolein	0.0535	0.0375 0.0539	0.0498	0.0502	0.0522	Ave		0.0495				12.0		15.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	0.2062	0.2111 0.2172	0.1931	0.2400	0.2321	Ave		0.2166			0.1000	7.9		15.0			
1,1-Dichloroethene	0.2330	0.2086 0.2361	0.2261	0.1981	0.2395	Ave		0.2236			0.1000	7.4		15.0			
Acetone	0.1011	0.0833 0.1018	0.0930	0.1019	0.1053	Ave		0.0977			0.0500	8.4		15.0			
Iodomethane	0.2879	0.2614 0.2990	0.2868	0.2973	0.3037	Ave		0.2893				5.3		15.0			
Carbon disulfide	0.7418	0.6602 0.7873	0.7022	0.8048	0.7974	Ave		0.7489			0.1000	7.8		15.0			
Methyl acetate	0.3402	0.2860 0.3450	0.3064	0.3304	0.3432	Ave		0.3252			0.1000	7.4		15.0			
Acetonitrile	0.0245	0.0161 0.0247	0.0222	0.0231	0.0235	Ave		0.0224				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.: 480-30106-1 Analy Batch No.: 93813

SDG No.:

Instrument ID: HP5975T GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2012 13:54 Calibration End Date: 12/03/2012 13:54 Calibration ID: 11363

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	0.3020	0.4523 0.3041	0.3265	0.2906	0.2994	Lin1	0.1298	0.2995			0.1000				1.0000		0.9900
trans-1,2-Dichloroethene	0.2810	0.2587 0.2902	0.2879	0.2602	0.2793	Ave		0.2762			0.1000	4.9		15.0			
Methyl tert-butyl ether	0.9614	0.8191 0.9933	0.9314	0.9904	0.9759	Ave		0.9452			0.1000	7.0		15.0			
Acrylonitrile	0.1370	0.1144 0.1387	0.1253	0.1329	0.1375	Ave		0.1310				7.2		15.0			
1,1-Dichloroethane	0.5334	0.4931 0.5395	0.5348	0.4794	0.5217	Ave		0.5170			0.2000	4.8		15.0			
Vinyl acetate	0.7057	0.5258 0.7343	0.6188	0.6683	0.6876	Ave		0.6568				11.0		15.0			
2,2-Dichloropropane	0.2400	0.1947 0.2301	0.2424	0.2124	0.2302	Ave		0.2250				8.1		15.0			
cis-1,2-Dichloroethene	0.3297	0.2717 0.3259	0.3287	0.3039	0.3167	Ave		0.3128			0.1000	7.1		15.0			
2-Butanone (MEK)	0.1854	0.1804 0.1879	0.1665	0.1819	0.1818	Ave		0.1807			0.0500	4.1		15.0			
Chlorobromomethane	0.1610	0.1474 0.1606	0.1567	0.1542	0.1494	Ave		0.1549				3.6		15.0			
Tetrahydrofuran	0.1215	0.0897 0.1217	0.1120	0.1193	0.1199	Ave		0.1140				11.0		15.0			
Chloroform	0.5274	0.4650 0.5319	0.5206	0.4785	0.5149	Ave		0.5064			0.2000	5.5		15.0			
Cyclohexane	0.4737	0.4248 0.5011	0.4420	0.5298	0.5122	Ave		0.4806			0.1000	8.6		15.0			
1,1,1-Trichloroethane	0.4188	0.3383 0.4191	0.3966	0.3636	0.4053	Ave		0.3903			0.1000	8.4		15.0			
Carbon tetrachloride	0.3571	0.2451 0.3690	0.3202	0.2769	0.3429	Ave		0.3185			0.1000	15.0		15.0			
1,1-Dichloropropene	0.4051	0.3625 0.4063	0.3776	0.3373	0.3968	Ave		0.3809				7.2		15.0			
Benzene	1.2392	1.0476 1.2388	1.2553	1.1254	1.1861	Ave		1.1821			0.5000	6.9		15.0			
1,2-Dichloroethane	0.4403	0.3420 0.4408	0.4179	0.4005	0.4284	Ave		0.4117			0.1000	9.1		15.0			
Trichloroethene	0.3016	0.2824 0.3074	0.2981	0.2731	0.2991	Ave		0.2936			0.2000	4.4		15.0			
Methylcyclohexane	0.4628	0.4438 0.4966	0.4323	0.5156	0.5059	Ave		0.4762			0.1000	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.: 480-30106-1 Analy Batch No.: 93813

SDG No.:

Instrument ID: HP5975T GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2012 13:54 Calibration End Date: 12/03/2012 13:54 Calibration ID: 11363

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	0.3263	0.2604 0.3332	0.3223	0.2993	0.3111	Ave		0.3088			0.1000	8.6		15.0			
Dibromomethane	0.2030	0.1914 0.2086	0.1988	0.1889	0.1936	Ave		0.1974				3.8		15.0			
Dichlorobromomethane	0.4073	0.3033 0.4202	0.3683	0.3598	0.3847	Ave		0.3739			0.1000	11.0		15.0			
2-Chloroethyl vinyl ether	0.2543	0.1973 0.2602	0.2238	0.2496	0.2517	Ave		0.2395				10.0		15.0			
cis-1,3-Dichloropropene	0.4507 0.5082	0.3508 0.5231	0.4725	0.4513	0.4797	Ave		0.4623			0.2000	12.0		15.0			
4-Methyl-2-pentanone (MIBK)	0.4624	0.3979 0.4708	0.4234	0.4571	0.4494	Ave		0.4435			0.0500	6.2		15.0			
Toluene	0.8778	0.8066 0.8935	0.8195	0.8139	0.8454	Ave		0.8428			0.4000	4.3		15.0			
trans-1,3-Dichloropropene	0.3507 0.5314	0.3175 0.5442	0.4418	0.4655	0.4826	Lin1	-0.149	0.5299			0.1000				0.9970		0.9900
Ethyl methacrylate	0.5373	0.4423 0.5653	0.4700	0.5322	0.5290	Ave		0.5127				9.1		15.0			
1,1,2-Trichloroethane	0.2843	0.2279 0.2940	0.2703	0.2683	0.2656	Ave		0.2684			0.1000	8.4		15.0			
Tetrachloroethene	0.3276	0.2985 0.3361	0.3059	0.2898	0.3214	Ave		0.3132			0.1000	5.7		15.0			
1,3-Dichloropropane	0.5682	0.4821 0.5824	0.5468	0.5437	0.5473	Ave		0.5451				6.3		15.0			
2-Hexanone	0.3348	0.2625 0.3448	0.3055	0.3253	0.3251	Ave		0.3163			0.0500	9.3		15.0			
Chlorodibromomethane	0.3266	0.2131 0.3545	0.2892	0.2982	0.2997	Lin1	-0.192	0.3407			0.1000				0.9960		0.9900
Ethylene Dibromide	0.3441	0.2634 0.3577	0.3279	0.3226	0.3251	Ave		0.3235			0.1000	10.0		15.0			
Chlorobenzene	0.9330	0.8069 0.9371	0.8905	0.8893	0.8993	Ave		0.8927			0.5000	5.3		15.0			
1,1,1,2-Tetrachloroethane	0.3059	0.2878 0.3179	0.2843	0.2913	0.2878	Ave		0.2958				4.5		15.0			
Ethylbenzene	1.6322	1.3789 1.6844	1.5919	1.5075	1.5710	Ave		1.5610			0.1000	6.9		15.0			
m-Xylene & p-Xylene	0.6257	0.5172 0.6340	0.5986	0.5939	0.6001	Ave		0.5949			0.1000	7.0		15.0			
o-Xylene	0.6047	0.5408 0.6210	0.6130	0.6006	0.5915	Ave		0.5953			0.3000	4.8		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.: 480-30106-1 Analy Batch No.: 93813

SDG No.:

Instrument ID: HP5975T GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2012 13:54 Calibration End Date: 12/03/2012 13:54 Calibration ID: 11363

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	1.0762	0.8478 1.0954	1.0326	1.0090	1.0444	Ave		1.0176			0.3000	8.7		15.0			
Bromoform	0.2050	0.1090 0.2218	0.1626	0.1706	0.1808	Lin1	-0.164	0.2123			0.1000				0.9950		0.9900
Isopropylbenzene	3.2674	2.6540 3.4093	3.1041	2.7602	3.1370	Ave		3.0553			0.1000	9.6		15.0			
Bromobenzene	0.7952	0.5683 0.8229	0.7620	0.7005	0.7526	Ave		0.7336				12.0		15.0			
1,1,2,2-Tetrachloroethane	1.0021	0.7583 1.0106	0.9374	0.8724	0.9655	Ave		0.9244			0.3000	10.0		15.0			
N-Propylbenzene	3.9158	3.1773 4.1472	3.7587	3.4315	3.8095	Ave		3.7067				9.4		15.0			
1,2,3-Trichloropropane	0.3070	0.2730 0.2969	0.2788	0.2641	0.2891	Ave		0.2848				5.6		15.0			
trans-1,4-Dichloro-2-butene	0.2181	0.0910 0.2403	0.1352	0.1600	0.1993	Lin1	-1.204	0.2289							0.9920		0.9900
2-Chlorotoluene	0.7097	0.6695 0.7456	0.7391	0.6697	0.6899	Ave		0.7039				4.7		15.0			
1,3,5-Trimethylbenzene	2.5698	2.1114 2.6528	2.5254	2.3459	2.5760	Ave		2.4635				8.1		15.0			
4-Chlorotoluene	2.6425	2.3892 2.7658	2.6458	2.3882	2.5743	Ave		2.5676				5.9		15.0			
tert-Butylbenzene	0.5144	0.4404 0.5204	0.5096	0.4695	0.5243	Ave		0.4964				6.8		15.0			
1,2,4-Trimethylbenzene	2.5888	2.2858 2.6227	2.5566	2.3816	2.5606	Ave		2.4993				5.4		15.0			
sec-Butylbenzene	3.1570	2.7917 3.2148	3.2078	2.8842	3.2381	Ave		3.0823				6.3		15.0			
1,3-Dichlorobenzene	1.4065	1.2304 1.4226	1.4338	1.3557	1.3972	Ave		1.3744			0.6000	5.5		15.0			
4-Isopropyltoluene	2.5364	2.3222 2.5157	2.6642	2.3160	2.6154	Ave		2.4950				5.9		15.0			
1,4-Dichlorobenzene	1.4398	1.3113 1.4854	1.4798	1.3602	1.4593	Ave		1.4226			0.5000	5.0		15.0			
n-Butylbenzene	2.3879	2.1343 2.3781	2.4165	2.2171	2.4408	Ave		2.3291				5.3		15.0			
1,2-Dichlorobenzene	1.2950	1.1914 1.2833	1.3489	1.2777	1.3619	Ave		1.2930			0.4000	4.7		15.0			
1,2-Dibromo-3-Chloropropane	0.1420	0.1202 0.1519	0.1434	0.1418	0.1475	Ave		0.1411			0.0500	7.8		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.: 480-30106-1 Analy Batch No.: 93813

SDG No.:

Instrument ID: HP5975T GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2012 13:54 Calibration End Date: 12/03/2012 13:54 Calibration ID: 11363

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	0.6710	0.6103 0.7223	0.7504	0.7735	0.7643	Ave		0.7153			0.2000	8.9		15.0			
Hexachlorobutadiene	0.3334 0.2492	0.2919 0.2627	0.3490	0.3060	0.3047	Ave		0.2996				12.0		15.0			
Naphthalene	2.2217	1.7617 2.4844	2.3556	2.2479	2.2658	Ave		2.2228				11.0		15.0			
1,2,3-Trichlorobenzene	0.5739	0.4883 0.6626	0.6970	0.6845	0.6206	Ave		0.6211				13.0		15.0			
1,2-Dichloroethane-d4 (Surr)	0.3623	0.3611 0.3654	0.3290	0.3025	0.3590	Ave		0.3466				7.3		15.0			
Toluene-d8 (Surr)	1.2536	1.1432 1.2317	1.0360	0.8507	1.2901	Ave		1.1342				15.0		15.0			
4-Bromofluorobenzene (Surr)	0.3545	0.3110 0.3527	0.3315	0.2927	0.3674	Ave		0.3350				8.6		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 RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-30106-1 Analy Batch No.: 93813

SDG No.:

Instrument ID: HP5975T GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2012 13:54 Calibration End Date: 12/03/2012 13:54 Calibration ID: 11363

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-93813/2	T3874.D
Level 2	IC 480-93813/3	T3875.D
Level 3	IC 480-93813/4	T3857.D
Level 4	IC 480-93813/5	T3858.D
Level 5	ICIS 480-93813/6	T3859.D
Level 6	IC 480-93813/7	T3860.D
Level 7	IC 480-93813/8	T3861.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			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
Dichlorodifluoromethane	DFB	Ave	320400	5014 656266	32275	49032	168668	50.0	1.00 100	5.00	10.0	25.0
Chloromethane	DFB	Ave	405067	8242 810341	43196	80929	203512	50.0	1.00 100	5.00	10.0	25.0
Vinyl chloride	DFB	Lin1	4623 411261	7489 845365	41019	75153	206815	0.400 50.0	1.00 100	5.00	10.0	25.0
Bromomethane	DFB	Lin1	229214	6698 458746	24448	40498	105521	50.0	1.00 100	5.00	10.0	25.0
Chloroethane	DFB	Ave	257051	5967 523265	25232	48354	129597	50.0	1.00 100	5.00	10.0	25.0
Trichlorofluoromethane	DFB	Lin1	417359	4800 898149	32857	53664	190565	50.0	1.00 100	5.00	10.0	25.0
Acrolein	DFB	Ave	1442970	18646 2938597	135009	271992	689075	1000	20.0 2000	100	200	500
1,1,2-Trichloro-1,2,2-trifluoroetha ne	DFB	Ave	278145	5244 592542	26176	65038	153131	50.0	1.00 100	5.00	10.0	25.0
1,1-Dichloroethene	DFB	Ave	314299	5182 644197	30651	53689	158004	50.0	1.00 100	5.00	10.0	25.0
Acetone	DFB	Ave	681693	10343 1388575	63008	138055	347539	250	5.00 500	25.0	50.0	125
Iodomethane	DFB	Ave	388371	6494 815651	38874	80562	200413	50.0	1.00 100	5.00	10.0	25.0
Carbon disulfide	DFB	Ave	1000564	16405 2148178	95193	218103	526145	50.0	1.00 100	5.00	10.0	25.0
Methyl acetate	DFB	Ave	458851	7105 941323	41532	89540	226465	50.0	1.00 100	5.00	10.0	25.0
Acetonitrile	DFB	Ave	1324407	15972 2690205	120628	250134	620915	2000	40.0 4000	200	400	1000
Methylene Chloride	DFB	Lin1	407331	11238 829711	44259	78762	197568	50.0	1.00 100	5.00	10.0	25.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-30106-1 Analy Batch No.: 93813

SDG No.:

Instrument ID: HP5975T GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2012 13:54 Calibration End Date: 12/03/2012 13:54 Calibration ID: 11363

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			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
trans-1,2-Dichloroethene	DFB	Ave	379004	6427 791646	39027	70528	184282	50.0	1.00 100	5.00	10.0	25.0
Methyl tert-butyl ether	DFB	Ave	1296789	20352 2710126	126263	268392	643960	50.0	1.00 100	5.00	10.0	25.0
Acrylonitrile	DFB	Ave	924096	14212 1891896	84916	180079	453637	250	5.00 500	25.0	50.0	125
1,1-Dichloroethane	DFB	Ave	719520	12252 1472073	72500	129931	344225	50.0	1.00 100	5.00	10.0	25.0
Vinyl acetate	DFB	Ave	4759889	65325 10017280	419470	905606	2268412	250	5.00 500	25.0	50.0	125
2,2-Dichloropropane	DFB	Ave	323698	4838 627798	32863	57573	151896	50.0	1.00 100	5.00	10.0	25.0
cis-1,2-Dichloroethene	DFB	Ave	444683	6750 889193	44557	82364	208977	50.0	1.00 100	5.00	10.0	25.0
2-Butanone (MEK)	DFB	Ave	1250771	22415 2563816	112830	246531	599870	250	5.00 500	25.0	50.0	125
Chlorobromomethane	DFB	Ave	217141	3663 438278	21245	41789	98611	50.0	1.00 100	5.00	10.0	25.0
Tetrahydrofuran	DFB	Ave	819165	11146 1660867	75896	161646	395539	250	5.00 500	25.0	50.0	125
Chloroform	DFB	Ave	711462	11554 1451250	70579	129674	339736	50.0	1.00 100	5.00	10.0	25.0
Cyclohexane	DFB	Ave	638919	10554 1367157	59914	143583	337977	50.0	1.00 100	5.00	10.0	25.0
1,1,1-Trichloroethane	DFB	Ave	564923	8405 1143563	53763	98543	267466	50.0	1.00 100	5.00	10.0	25.0
Carbon tetrachloride	DFB	Ave	481719	6089 1006857	43404	75052	226293	50.0	1.00 100	5.00	10.0	25.0
1,1-Dichloropropene	DFB	Ave	546451	9006 1108625	51188	91405	261835	50.0	1.00 100	5.00	10.0	25.0
Benzene	DFB	Ave	1671495	26029 3379922	170179	304994	782678	50.0	1.00 100	5.00	10.0	25.0
1,2-Dichloroethane	DFB	Ave	593988	8498 1202747	56646	108547	282680	50.0	1.00 100	5.00	10.0	25.0
Trichloroethene	DFB	Ave	406844	7018 838755	40406	74013	197346	50.0	1.00 100	5.00	10.0	25.0
Methylcyclohexane	DFB	Ave	624284	11026 1354992	58599	139728	333799	50.0	1.00 100	5.00	10.0	25.0
1,2-Dichloropropane	DFB	Ave	440171	6470 909205	43698	81122	205268	50.0	1.00 100	5.00	10.0	25.0
Dibromomethane	DFB	Ave	273838	4756 569204	26954	51186	127726	50.0	1.00 100	5.00	10.0	25.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-30106-1 Analy Batch No.: 93813

SDG No.:

Instrument ID: HP5975T GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2012 13:54 Calibration End Date: 12/03/2012 13:54 Calibration ID: 11363

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			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
Dichlorobromomethane	DFB	Ave	549416	7535 1146533	49925	97516	253845	50.0	1.00 100	5.00	10.0	25.0
2-Chloroethyl vinyl ether	DFB	Ave	1715287	24511 3549883	151665	338200	830496	250	5.00 500	25.0	50.0	125
cis-1,3-Dichloropropene	DFB	Ave	4379 685494	8716 1427193	64055	122294	316546	0.400 50.0	1.00 100	5.00	10.0	25.0
4-Methyl-2-pentanone (MIBK)	CBZ	Ave	2796609	43563 5718884	257635	539921	1341527	250	5.00 500	25.0	50.0	125
Toluene	CBZ	Ave	1061885	17662 2170689	99735	192288	504702	50.0	1.00 100	5.00	10.0	25.0
trans-1,3-Dichloropropene	CBZ	Lin1	3044 642879	6953 1322000	53767	109969	288126	0.400 50.0	1.00 100	5.00	10.0	25.0
Ethyl methacrylate	CBZ	Ave	649999	9686 1373187	57198	125723	315808	50.0	1.00 100	5.00	10.0	25.0
1,1,2-Trichloroethane	CBZ	Ave	343957	4991 714295	32901	63382	158558	50.0	1.00 100	5.00	10.0	25.0
Tetrachloroethene	CBZ	Ave	396283	6537 816480	37234	68461	191893	50.0	1.00 100	5.00	10.0	25.0
1,3-Dichloropropane	CBZ	Ave	687281	10558 1414742	66551	128461	326743	50.0	1.00 100	5.00	10.0	25.0
2-Hexanone	CBZ	Ave	2024746	28745 4188575	185915	384234	970527	250	5.00 500	25.0	50.0	125
Chlorodibromomethane	CBZ	Lin1	395127	4667 861247	35200	70457	178902	50.0	1.00 100	5.00	10.0	25.0
Ethylene Dibromide	CBZ	Ave	416235	5768 869048	39903	76213	194060	50.0	1.00 100	5.00	10.0	25.0
Chlorobenzene	CBZ	Ave	1128606	17669 2276547	108375	210108	536867	50.0	1.00 100	5.00	10.0	25.0
1,1,1,2-Tetrachloroethane	CBZ	Ave	370004	6302 772209	34601	68811	171831	50.0	1.00 100	5.00	10.0	25.0
Ethylbenzene	CBZ	Ave	1974444	30194 4091864	193740	356160	937854	50.0	1.00 100	5.00	10.0	25.0
m-Xylene & p-Xylene	CBZ	Ave	1513817	22650 3080416	145711	280622	716527	100	2.00 200	10.0	20.0	50.0
o-Xylene	CBZ	Ave	731533	11842 1508662	74607	141901	353115	50.0	1.00 100	5.00	10.0	25.0
Styrene	CBZ	Ave	1301898	18564 2661174	125670	238387	623503	50.0	1.00 100	5.00	10.0	25.0
Bromoform	CBZ	Lin1	247938	2386 538734	19792	40306	107931	50.0	1.00 100	5.00	10.0	25.0
Isopropylbenzene	DCB	Ave	1887362	28075 3821147	183881	341186	907751	50.0	1.00 100	5.00	10.0	25.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-30106-1 Analy Batch No.: 93813

SDG No.:

Instrument ID: HP5975T GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2012 13:54 Calibration End Date: 12/03/2012 13:54 Calibration ID: 11363

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			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
Bromobenzene	DCB	Ave	459313	6012 922286	45140	86585	217767	50.0	1.00 100	5.00	10.0	25.0
1,1,2,2-Tetrachloroethane	DCB	Ave	578834	8022 1132637	55530	107834	279388	50.0	1.00 100	5.00	10.0	25.0
N-Propylbenzene	DCB	Ave	2261934	33611 4648164	222657	424171	1102350	50.0	1.00 100	5.00	10.0	25.0
1,2,3-Trichloropropane	DCB	Ave	177319	2888 332819	16516	32647	83662	50.0	1.00 100	5.00	10.0	25.0
trans-1,4-Dichloro-2-butene	DCB	Lin1	629770	4815 1346699	40035	98864	288328	250	5.00 500	25.0	50.0	125
2-Chlorotoluene	DCB	Ave	409921	7082 835646	43784	82781	199635	50.0	1.00 100	5.00	10.0	25.0
1,3,5-Trimethylbenzene	DCB	Ave	1484386	22335 2973300	149600	289976	745424	50.0	1.00 100	5.00	10.0	25.0
4-Chlorotoluene	DCB	Ave	1526376	25274 3099908	156733	295210	744931	50.0	1.00 100	5.00	10.0	25.0
tert-Butylbenzene	DCB	Ave	297131	4659 583224	30190	58035	151731	50.0	1.00 100	5.00	10.0	25.0
1,2,4-Trimethylbenzene	DCB	Ave	1495369	24180 2939504	151446	294388	740952	50.0	1.00 100	5.00	10.0	25.0
sec-Butylbenzene	DCB	Ave	1823616	29532 3603115	190025	356514	937022	50.0	1.00 100	5.00	10.0	25.0
1,3-Dichlorobenzene	DCB	Ave	812428	13016 1594431	84934	167573	404319	50.0	1.00 100	5.00	10.0	25.0
4-Isopropyltoluene	DCB	Ave	1465113	24565 2819566	157823	286283	756831	50.0	1.00 100	5.00	10.0	25.0
1,4-Dichlorobenzene	DCB	Ave	831688	13872 1664848	87659	168135	422265	50.0	1.00 100	5.00	10.0	25.0
n-Butylbenzene	DCB	Ave	1379339	22578 2665360	143149	274055	706297	50.0	1.00 100	5.00	10.0	25.0
1,2-Dichlorobenzene	DCB	Ave	748023	12603 1438331	79905	157938	394107	50.0	1.00 100	5.00	10.0	25.0
1,2-Dibromo-3-Chloropropane	DCB	Ave	82051	1271 170230	8494	17524	42684	50.0	1.00 100	5.00	10.0	25.0
1,2,4-Trichlorobenzene	DCB	Ave	387566	6456 809593	44455	95614	221174	50.0	1.00 100	5.00	10.0	25.0
Hexachlorobutadiene	DCB	Ave	1452 143924	3088 294487	20672	37830	88181	0.400 50.0	1.00 100	5.00	10.0	25.0
Naphthalene	DCB	Ave	1283310	18636 2784522	139539	277860	655662	50.0	1.00 100	5.00	10.0	25.0
1,2,3-Trichlorobenzene	DCB	Ave	331494	5165 742693	41287	84610	179579	50.0	1.00 100	5.00	10.0	25.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-30106-1 Analy Batch No.: 93813

SDG No.:

Instrument ID: HP5975T GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2012 13:54 Calibration End Date: 12/03/2012 13:54 Calibration ID: 11363

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			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	488749	8973 996842	44595	81985	236898	50.0	1.00 100	5.00	10.0	25.0
Toluene-d8 (Surr)	CBZ	Ave	1516407	25034 2992233	126087	200969	770140	50.0	1.00 100	5.00	10.0	25.0
4-Bromofluorobenzene (Surr)	CBZ	Ave	428772	6811 856702	40345	69161	219353	50.0	1.00 100	5.00	10.0	25.0

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5975T\20121203-17185.b\T3874.D		
Lims ID:	IC 0.4	Client ID:	
Inject. Date:	03-Dec-2012 20:40:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	IC 0.4		
Misc. Info.:	480-0017185-002		
Operator:	LH	Instrument ID:	HP5975T
Purge Vol:	5.000 mL	ALS Bottle#:	59
Lims Batch ID:	93813	Lims Sample ID:	2
Sublist:	chrom-T-8260*sub3		
Detector:	MS SCAN		

Method:	\\Bufchrom\ChromData\HP5975T\20121203-17185.b\T-8260.m		
Last Update:	06-Dec-2012 01:41:20	Calib Date:	03-Dec-2012 21:04:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5975T\20121203-17185.b\T3875.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: HillL Date: 04-Dec-2012 11:54:58

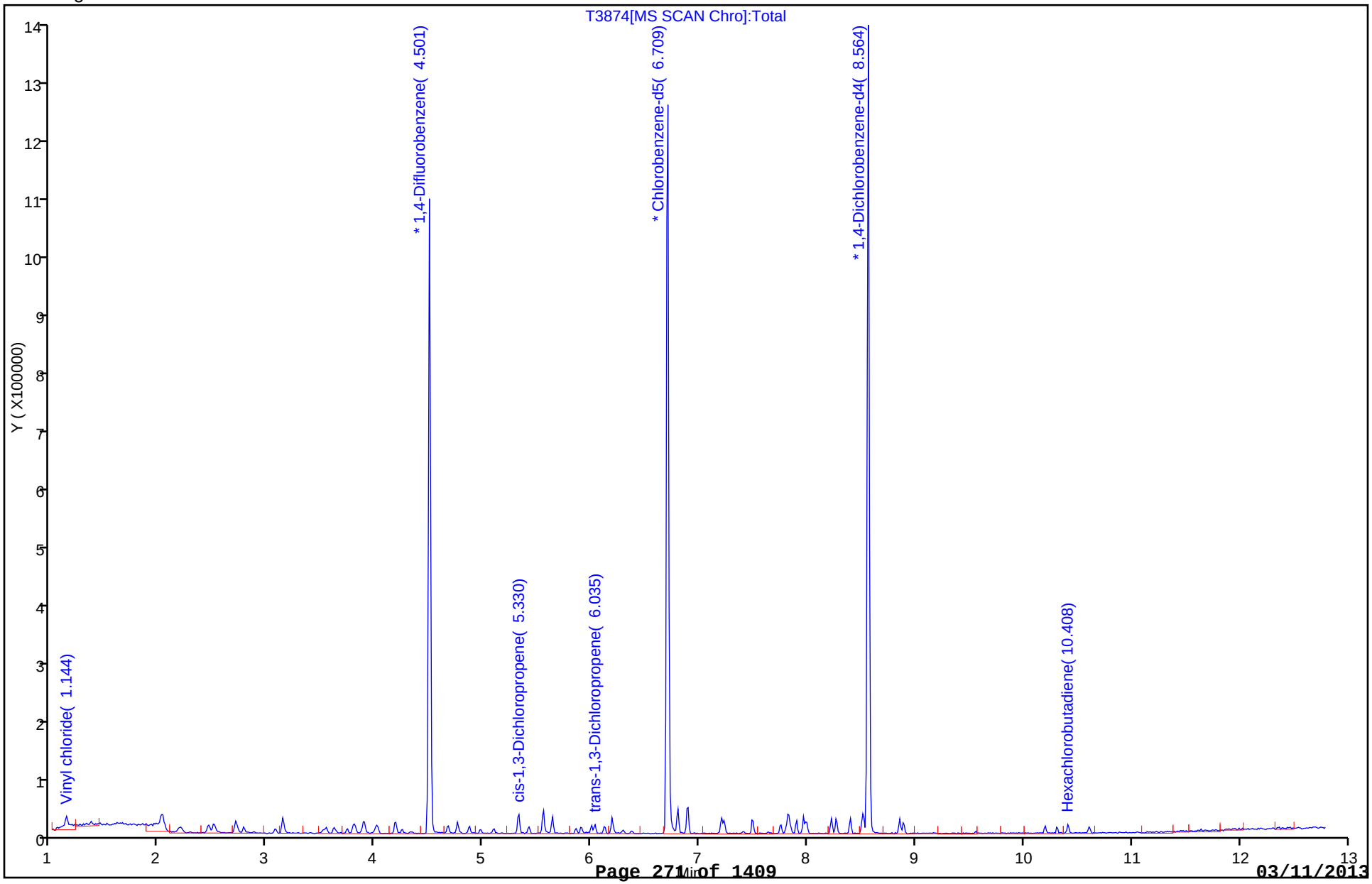
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.501	4.501	0.0	95	607247	25.0	
* 2 Chlorobenzene-d5	117	6.709	6.709	0.0	87	542494	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.564	8.564	0.0	96	272214	25.0	
14 Vinyl chloride	62	1.133	1.133	0.0	66	4623	0.5013	
71 cis-1,3-Dichloropropene	75	5.424	5.424	0.0	53	4379	0.3899	
75 trans-1,3-Dichloropropene	75	5.859	5.859	0.0	52	3044	0.5453	
120 Hexachlorobutadiene	225	10.315	10.315	0.0	26	1452	0.4452	
S 123 1,3-Dichloropropene, Total	1				0		0.9353	

Report Date: 06-Dec-2012 01:41:20 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5975T\20121203-17185.b\T3874.D		
Injection Date:	03-Dec-2012 20:40:30	Limit Group:	MV - 8260MCP_RCP
Client ID:		Instrument ID:	HP5975T
Lims Batch ID:	93813	Lims Sample ID:	2
Operator ID:	LH	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\HP5975T\20121203-17185.b\T3875.D		
Lims ID:	IC	Client ID:	
Inject. Date:	03-Dec-2012 21:04:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	IC		
Misc. Info.:	480-0017185-003		
Operator:	LH	Instrument ID:	HP5975T
Purge Vol:	5.000 mL	ALS Bottle#:	60
Lims Batch ID:	93813	Lims Sample ID:	3
Sublist:	chrom-T-8260*sub3		
Detector:	MS SCAN		

Method:	\\Bufchrom\ChromData\HP5975T\20121203-17185.b\T-8260.m		
Last Update:	06-Dec-2012 01:43:54	Calib Date:	03-Dec-2012 21:04:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5975T\20121203-17185.b\T3875.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: HillL Date: 04-Dec-2012 11:55:01

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.501	4.501	0.0	95	621174	25.0	
* 2 Chlorobenzene-d5	117	6.709	6.709	0.0	86	547446	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.564	8.564	0.0	96	264461	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	65	4.190	4.190	0.0	0	8973	1.04	
$ 6 Toluene-d8 (Surr)	98	5.589	5.589	0.0	81	25034	1.01	
$ 7 4-Bromofluorobenzene (Surr)	174	7.641	7.641	0.0	71	6811	0.9285	
11 Dichlorodifluoromethane	85	0.936	0.936	0.0	72	5014	0.8939	
13 Chloromethane	50	1.061	1.050	0.011	88	8242	1.07	
14 Vinyl chloride	62	1.133	1.133	0.0	75	7489	0.8643	
15 Bromomethane	94	1.361	1.361	0.0	71	6698	1.16	
16 Chloroethane	64	1.444	1.444	0.0	68	5967	1.22	
17 Trichlorofluoromethane	101	1.610	1.610	0.0	71	4800	1.39	
21 Acrolein	56	2.014	2.014	0.0	93	18646	15.2	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.035	2.035	0.0	58	5244	0.9744	
22 1,1-Dichloroethene	96	2.045	2.045	0.0	87	5182	0.9329	
23 Acetone	43	2.170	2.170	0.0	78	10343	4.26	
24 Iodomethane	142	2.190	2.180	0.010	40	6494	0.9033	
25 Carbon disulfide	76	2.211	2.201	0.010	94	16405	0.8816	
28 Methyl acetate	43	2.439	2.439	0.0	92	7105	0.8794	
29 Acetonitrile	40	2.449	2.449	0.0	99	15972	28.8	
30 Methylene Chloride	84	2.501	2.501	0.0	75	11238	1.08	
32 trans-1,2-Dichloroethene	96	2.698	2.698	0.0	94	6427	0.9365	
33 Methyl tert-butyl ether	73	2.708	2.708	0.0	87	20352	0.8665	
34 Acrylonitrile	53	2.781	2.771	0.010	92	14212	4.37	
36 1,1-Dichloroethane	63	3.071	3.071	0.0	68	12252	0.9538	
39 Vinyl acetate	43	3.144	3.144	0.0	96	65325	4.00	
42 2,2-Dichloropropane	77	3.517	3.517	0.0	73	4838	0.8655	
43 cis-1,2-Dichloroethene	96	3.548	3.548	0.0	76	6750	0.8686	
44 2-Butanone (MEK)	43	3.610	3.600	0.010	95	22415	4.99	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
47 Chlorobromomethane	128	3.734	3.745	-0.011	87	3663	0.9517	
48 Tetrahydrofuran	42	3.786	3.765	0.021	87	11146	3.93	
50 Chloroform	83	3.807	3.807	0.0	75	11554	0.9183	
52 Cyclohexane	56	3.890	3.890	0.0	86	10554	0.8838	
51 1,1,1-Trichloroethane	97	3.900	3.890	0.010	74	8405	0.8667	
53 Carbon tetrachloride	117	4.004	4.004	0.0	61	6089	0.7693	
54 1,1-Dichloropropene	75	4.014	4.014	0.0	79	9006	0.9515	
55 Benzene	78	4.180	4.190	-0.010	94	26029	0.8862	
57 1,2-Dichloroethane	62	4.252	4.242	0.010	89	8498	0.8308	
60 Trichloroethene	95	4.677	4.667	0.010	79	7018	0.9620	
62 Methylcyclohexane	83	4.760	4.760	0.0	86	11026	0.9320	
63 1,2-Dichloropropane	63	4.874	4.864	0.010	74	6470	0.8433	
65 Dibromomethane	93	4.968	4.968	0.0	72	4756	0.9697	
67 Dichlorobromomethane	83	5.092	5.092	0.0	74	7535	0.8110	
69 2-Chloroethyl vinyl ether	63	5.330	5.320	0.010	90	24511	4.12	
71 cis-1,3-Dichloropropene	75	5.424	5.424	0.0	66	8716	0.7588	
72 4-Methyl-2-pentanone (MIBK)	43	5.558	5.548	0.010	94	43563	4.49	
73 Toluene	92	5.641	5.641	0.0	91	17662	0.9570	
75 trans-1,3-Dichloropropene	75	5.859	5.859	0.0	74	6953	0.8798	
77 Ethyl methacrylate	69	5.911	5.900	0.011	69	9686	0.8628	
78 1,1,2-Trichloroethane	83	6.004	6.004	0.0	80	4991	0.8491	
79 Tetrachloroethene	166	6.035	6.035	0.0	77	6537	0.9530	
80 1,3-Dichloropropane	76	6.118	6.118	0.0	82	10558	0.8845	
81 2-Hexanone	43	6.190	6.190	0.0	92	28745	4.15	
82 Chlorodibromomethane	129	6.294	6.294	0.0	60	4667	1.19	
83 Ethylene Dibromide	107	6.367	6.367	0.0	66	5768	0.8143	
86 Chlorobenzene	112	6.729	6.729	0.0	77	17669	0.9039	
89 1,1,1,2-Tetrachloroethane	131	6.802	6.802	0.0	30	6302	0.9729	
88 Ethylbenzene	91	6.802	6.802	0.0	94	30194	0.8833	
90 m-Xylene & p-Xylene	106	6.895	6.895	0.0	99	22650	1.74	
91 o-Xylene	106	7.206	7.206	0.0	93	11842	0.9084	
92 Styrene	104	7.227	7.227	0.0	91	18564	0.8331	
93 Bromoform	173	7.403	7.403	0.0	46	2386	1.28	
95 Isopropylbenzene	105	7.496	7.496	0.0	88	28075	0.8686	
97 Bromobenzene	156	7.755	7.755	0.0	87	6012	0.7747	
98 1,1,2,2-Tetrachloroethane	83	7.797	7.797	0.0	42	8022	0.8204	
99 N-Propylbenzene	91	7.817	7.817	0.0	95	33611	0.8572	
100 1,2,3-Trichloropropane	110	7.828	7.828	0.0	38	2888	0.9585	
101 trans-1,4-Dichloro-2-butene	53	7.838	7.838	0.0	68	4815	7.25	
105 2-Chlorotoluene	126	7.900	7.900	0.0	87	7082	0.9511	
104 1,3,5-Trimethylbenzene	105	7.962	7.962	0.0	89	22335	0.8570	
102 4-Chlorotoluene	91	7.994	7.994	0.0	88	25274	0.9305	
106 tert-Butylbenzene	134	8.222	8.222	0.0	78	4659	0.8872	
107 1,2,4-Trimethylbenzene	105	8.263	8.263	0.0	87	24180	0.9146	
109 sec-Butylbenzene	105	8.398	8.398	0.0	86	29532	0.9057	
110 1,3-Dichlorobenzene	146	8.501	8.501	0.0	86	13016	0.8953	
111 4-Isopropyltoluene	119	8.522	8.522	0.0	92	24565	0.9307	
113 1,4-Dichlorobenzene	146	8.584	8.584	0.0	71	13872	0.9218	
115 n-Butylbenzene	91	8.854	8.854	0.0	89	22578	0.9164	
116 1,2-Dichlorobenzene	146	8.885	8.885	0.0	91	12603	0.9214	
117 1,2-Dibromo-3-Chloropropane	75	9.558	9.558	0.0	7	1271	0.8514	
119 1,2,4-Trichlorobenzene	180	10.201	10.201	0.0	65	6456	0.8532	

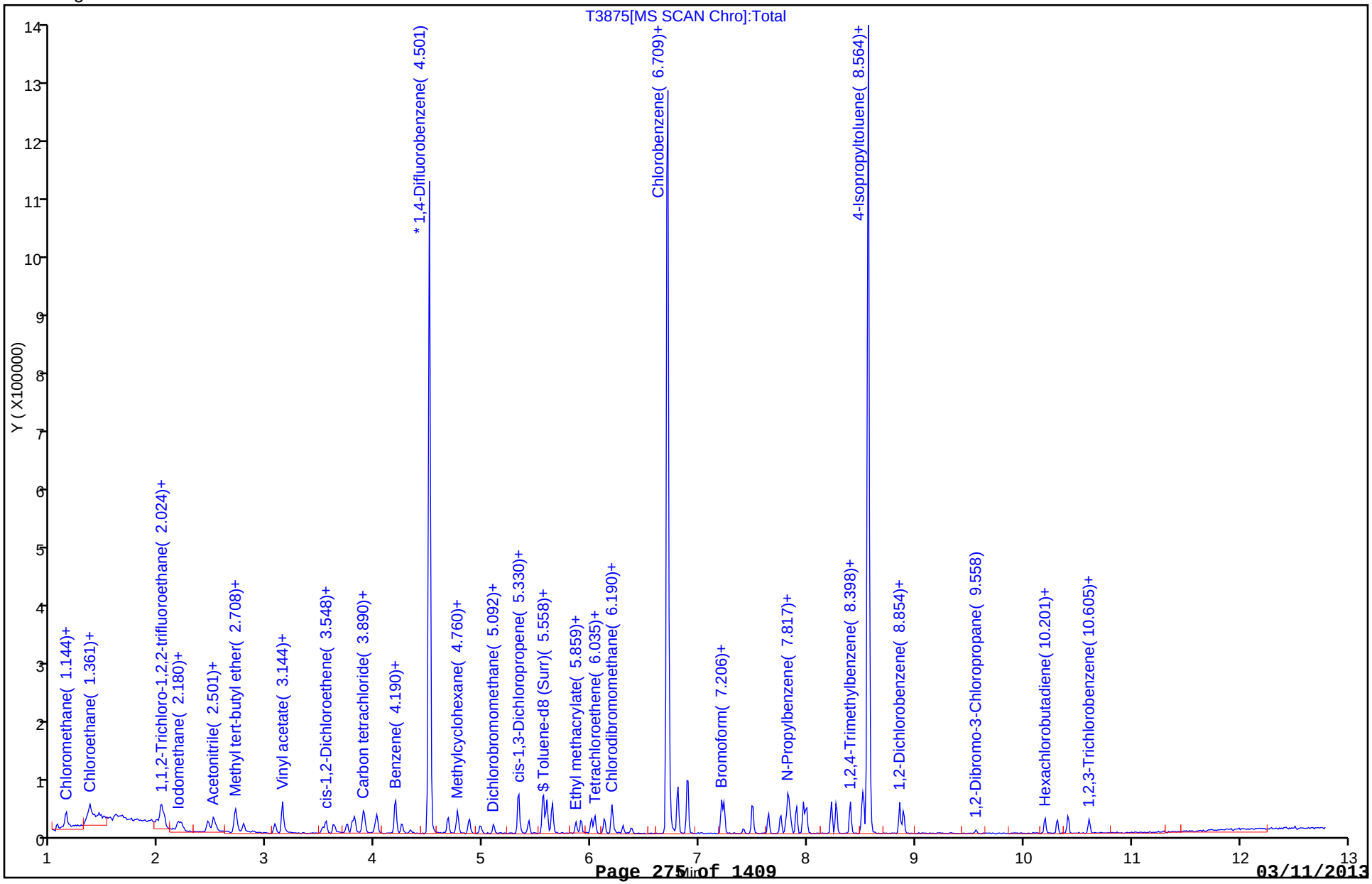
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
120 Hexachlorobutadiene	225	10.315	10.315	0.0	52	3088	0.9745	
121 Naphthalene	128	10.408	10.408	0.0	80	18636	0.7925	
122 1,2,3-Trichlorobenzene	180	10.605	10.605	0.0	72	5165	0.7861	
S 123 1,3-Dichloropropene, Total	1				0		1.64	
S 124 1,2-Dichloroethene, Total	1				0		1.81	
S 125 Total BTEX	1				0		5.37	
S 126 Xylenes, Total	1				0		2.65	

Report Date: 06-Dec-2012 01:43:55 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5975T\20121203-17185.b\T3875.D		
Injection Date:	03-Dec-2012 21:04:30	Limit Group:	MV - 8260MCP_RCP
Client ID:		Instrument ID:	HP5975T
Lims Batch ID:	93813	Lims Sample ID:	3
Operator ID:	LH	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\HP5975T\20121203-17185.b\T3857.D		
Lims ID:	IC 2	Client ID:	
Inject. Date:	03-Dec-2012 13:54:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	3
Sample ID:	IC 2		
Misc. Info.:	480-0017185-004		
Operator:	LH	Instrument ID:	HP5975T
Purge Vol:	5.000 mL	ALS Bottle#:	42
Lims Batch ID:	93813	Lims Sample ID:	4
Sublist:	chrom-T-8260*sub3		
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5975T\20121203-17185.b\T-8260.m		
Last Update:	06-Dec-2012 01:45:04	Calib Date:	03-Dec-2012 21:04:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5975T\20121203-17185.b\T3875.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: HillL Date: 04-Dec-2012 11:55:04

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.501	4.501	0.0	95	677823	25.0	
* 2 Chlorobenzene-d5	117	6.709	6.709	0.0	86	608512	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.564	8.564	0.0	90	296191	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	65	4.190	4.190	0.0	0	44595	4.75	
$ 6 Toluene-d8 (Surr)	98	5.589	5.589	0.0	90	126087	4.57	
$ 7 4-Bromofluorobenzene (Surr)	174	7.641	7.641	0.0	88	40345	4.95	
11 Dichlorodifluoromethane	85	0.936	0.936	0.0	86	32275	5.27	
13 Chloromethane	50	1.061	1.050	0.011	100	43196	5.15	
14 Vinyl chloride	62	1.133	1.133	0.0	83	41019	4.82	
15 Bromomethane	94	1.361	1.361	0.0	92	24448	4.99	
16 Chloroethane	64	1.444	1.444	0.0	91	25232	4.72	
17 Trichlorofluoromethane	101	1.610	1.610	0.0	80	32857	4.61	
21 Acrolein	56	2.025	2.014	0.011	98	135009	100.6	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.035	2.035	0.0	51	26176	4.46	
22 1,1-Dichloroethene	96	2.045	2.045	0.0	87	30651	5.06	
23 Acetone	43	2.170	2.170	0.0	100	63008	23.8	
24 Iodomethane	142	2.190	2.180	0.010	51	38874	4.96	
25 Carbon disulfide	76	2.201	2.201	0.0	99	95193	4.69	
28 Methyl acetate	43	2.439	2.439	0.0	94	41532	4.71	
29 Acetonitrile	40	2.449	2.449	0.0	100	120628	199.0	
30 Methylene Chloride	84	2.501	2.501	0.0	81	44259	5.02	
32 trans-1,2-Dichloroethene	96	2.709	2.698	0.010	93	39027	5.21	
33 Methyl tert-butyl ether	73	2.709	2.708	0.0	89	126263	4.93	
34 Acrylonitrile	53	2.781	2.771	0.010	97	84916	23.9	
36 1,1-Dichloroethane	63	3.071	3.071	0.0	85	72500	5.17	
39 Vinyl acetate	43	3.144	3.144	0.0	97	419470	23.6	
42 2,2-Dichloropropane	77	3.517	3.517	0.0	88	32863	5.39	
43 cis-1,2-Dichloroethene	96	3.548	3.548	0.0	66	44557	5.25	
44 2-Butanone (MEK)	43	3.610	3.600	0.010	100	112830	23.0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
47 Chlorobromomethane	128	3.745	3.745	0.0	95	21245	5.06	
48 Tetrahydrofuran	42	3.776	3.765	0.011	87	75896	24.6	
50 Chloroform	83	3.807	3.807	0.0	82	70579	5.14	
52 Cyclohexane	56	3.890	3.890	0.0	91	59914	4.60	
51 1,1,1-Trichloroethane	97	3.900	3.890	0.010	91	53763	5.08	
53 Carbon tetrachloride	117	4.004	4.004	0.0	82	43404	5.03	
54 1,1-Dichloropropene	75	4.014	4.014	0.0	91	51188	4.96	
55 Benzene	78	4.190	4.190	0.0	96	170179	5.31	
57 1,2-Dichloroethane	62	4.242	4.242	0.0	90	56646	5.08	
60 Trichloroethene	95	4.677	4.667	0.010	92	40406	5.08	
62 Methylcyclohexane	83	4.760	4.760	0.0	92	58599	4.54	
63 1,2-Dichloropropane	63	4.874	4.864	0.010	94	43698	5.22	
65 Dibromomethane	93	4.978	4.968	0.010	84	26954	5.04	
67 Dichlorobromomethane	83	5.092	5.092	0.0	91	49925	4.92	
69 2-Chloroethyl vinyl ether	63	5.320	5.320	0.0	92	151665	23.4	
71 cis-1,3-Dichloropropene	75	5.424	5.424	0.0	87	64055	5.11	
72 4-Methyl-2-pentanone (MIBK)	43	5.548	5.548	0.0	98	257635	23.9	
73 Toluene	92	5.641	5.641	0.0	97	99735	4.86	
75 trans-1,3-Dichloropropene	75	5.859	5.859	0.0	92	53767	4.45	
77 Ethyl methacrylate	69	5.900	5.900	0.0	88	57198	4.58	
78 1,1,2-Trichloroethane	83	6.004	6.004	0.0	85	32901	5.04	
79 Tetrachloroethene	166	6.035	6.035	0.0	81	37234	4.88	
80 1,3-Dichloropropane	76	6.118	6.118	0.0	92	66551	5.02	
81 2-Hexanone	43	6.190	6.190	0.0	95	185915	24.1	
82 Chlorodibromomethane	129	6.294	6.294	0.0	87	35200	4.81	
83 Ethylene Dibromide	107	6.367	6.367	0.0	97	39903	5.07	
86 Chlorobenzene	112	6.729	6.729	0.0	93	108375	4.99	
89 1,1,1,2-Tetrachloroethane	131	6.802	6.802	0.0	38	34601	4.81	
88 Ethylbenzene	91	6.802	6.802	0.0	98	193740	5.10	
90 m-Xylene & p-Xylene	106	6.895	6.895	0.0	99	145711	10.1	
91 o-Xylene	106	7.206	7.206	0.0	97	74607	5.15	
92 Styrene	104	7.227	7.227	0.0	96	125670	5.07	
93 Bromoform	173	7.413	7.403	0.010	88	19792	4.60	
95 Isopropylbenzene	105	7.486	7.496	-0.010	96	183881	5.08	
97 Bromobenzene	156	7.755	7.755	0.0	94	45140	5.19	
98 1,1,2,2-Tetrachloroethane	83	7.797	7.797	0.0	89	55530	5.07	
99 N-Propylbenzene	91	7.817	7.817	0.0	99	222657	5.07	
100 1,2,3-Trichloropropane	110	7.828	7.828	0.0	74	16516	4.89	
101 trans-1,4-Dichloro-2-butene	53	7.838	7.838	0.0	83	40035	20.0	
105 2-Chlorotoluene	126	7.900	7.900	0.0	94	43784	5.25	
104 1,3,5-Trimethylbenzene	105	7.963	7.962	0.001	95	149600	5.13	
102 4-Chlorotoluene	91	7.994	7.994	0.0	98	156733	5.15	
106 tert-Butylbenzene	134	8.222	8.222	0.0	90	30190	5.13	
107 1,2,4-Trimethylbenzene	105	8.263	8.263	0.0	97	151446	5.11	
109 sec-Butylbenzene	105	8.398	8.398	0.0	94	190025	5.20	
110 1,3-Dichlorobenzene	146	8.501	8.501	0.0	95	84934	5.22	
111 4-Isopropyltoluene	119	8.522	8.522	0.0	97	157823	5.34	
113 1,4-Dichlorobenzene	146	8.584	8.584	0.0	83	87659	5.20	
115 n-Butylbenzene	91	8.854	8.854	0.0	97	143149	5.19	
116 1,2-Dichlorobenzene	146	8.885	8.885	0.0	90	79905	5.22	
117 1,2-Dibromo-3-Chloropropane	75	9.558	9.558	0.0	55	8494	5.08	
119 1,2,4-Trichlorobenzene	180	10.201	10.201	0.0	92	44455	5.25	

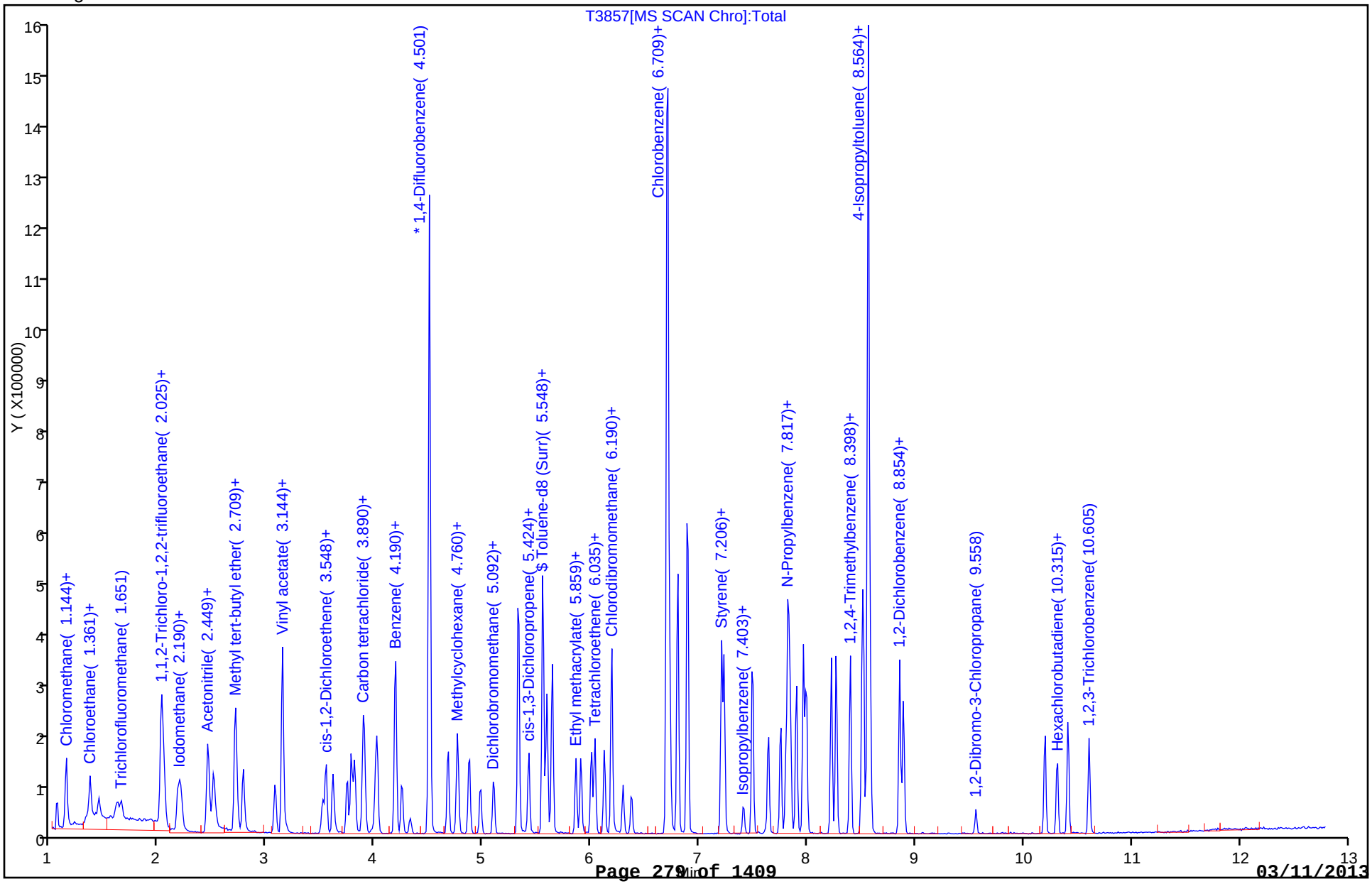
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
120 Hexachlorobutadiene	225	10.315	10.315	0.0	91	20672	5.82	
121 Naphthalene	128	10.408	10.408	0.0	97	139539	5.30	
122 1,2,3-Trichlorobenzene	180	10.605	10.605	0.0	93	41287	5.61	
S 123 1,3-Dichloropropene, Total	1				0		9.56	
S 124 1,2-Dichloroethene, Total	1				0		10.5	
S 125 Total BTEX	1				0		30.5	
S 126 Xylenes, Total	1				0		15.2	

Report Date: 06-Dec-2012 01:45:04 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5975T\20121203-17185.b\T3857.D		
Injection Date:	03-Dec-2012 13:54:30	Limit Group:	MV - 8260MCP_RCP
Client ID:		Instrument ID:	HP5975T
Lims Batch ID:	93813	Lims Sample ID:	4
Operator ID:	LH	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\HP5975T\20121203-17185.b\T3858.D		
Lims ID:	IC 3	Client ID:	
Inject. Date:	03-Dec-2012 14:18:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	IC 3		
Misc. Info.:	480-0017185-005		
Operator:	LH	Instrument ID:	HP5975T
Purge Vol:	5.000 mL	ALS Bottle#:	43
Lims Batch ID:	93813	Lims Sample ID:	5
Sublist:	chrom-T-8260*sub3		
Detector:	MS SCAN		

Method:	\\Bufchrom\ChromData\HP5975T\20121203-17185.b\T-8260.m		
Last Update:	06-Dec-2012 01:45:39	Calib Date:	03-Dec-2012 21:04:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5975T\20121203-17185.b\T3875.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: HillL Date: 04-Dec-2012 11:55:08

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.501	4.501	0.0	95	677516	25.0	
* 2 Chlorobenzene-d5	117	6.709	6.709	0.0	86	590632	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.564	8.564	0.0	89	309024	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	65	4.190	4.190	0.0	0	81985	8.73	
$ 6 Toluene-d8 (Surr)	98	5.589	5.589	0.0	91	200969	7.50	
$ 7 4-Bromofluorobenzene (Surr)	174	7.641	7.641	0.0	86	69161	8.74	
11 Dichlorodifluoromethane	85	0.936	0.936	0.0	86	49032	8.01	
13 Chloromethane	50	1.050	1.050	0.0	87	80929	9.66	
14 Vinyl chloride	62	1.133	1.133	0.0	83	75153	8.94	
15 Bromomethane	94	1.361	1.361	0.0	94	40498	8.58	
16 Chloroethane	64	1.424	1.424	0.0	92	48354	9.05	
17 Trichlorofluoromethane	101	1.610	1.610	0.0	86	53664	7.03	
21 Acrolein	56	2.014	2.014	0.0	99	271992	202.7	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.035	2.035	0.0	63	65038	11.1	
22 1,1-Dichloroethene	96	2.035	2.035	0.0	82	53689	8.86	
23 Acetone	43	2.170	2.170	0.0	100	138055	52.1	
24 Iodomethane	142	2.170	2.170	0.0	56	80562	10.3	
25 Carbon disulfide	76	2.201	2.201	0.0	100	218103	10.7	
28 Methyl acetate	43	2.439	2.439	0.0	95	89540	10.2	
29 Acetonitrile	40	2.449	2.449	0.0	99	250134	412.9	
30 Methylene Chloride	84	2.501	2.501	0.0	90	78762	9.27	
32 trans-1,2-Dichloroethene	96	2.698	2.698	0.0	96	70528	9.42	
33 Methyl tert-butyl ether	73	2.709	2.709	0.0	91	268392	10.5	
34 Acrylonitrile	53	2.781	2.781	0.0	99	180079	50.7	
36 1,1-Dichloroethane	63	3.071	3.071	0.0	85	129931	9.27	
39 Vinyl acetate	43	3.144	3.144	0.0	97	905606	50.9	
42 2,2-Dichloropropane	77	3.517	3.517	0.0	94	57573	9.44	
43 cis-1,2-Dichloroethene	96	3.548	3.548	0.0	69	82364	9.72	
44 2-Butanone (MEK)	43	3.610	3.610	0.0	100	246531	50.4	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
47 Chlorobromomethane	128	3.745	3.745	0.0	93	41789	9.95	
48 Tetrahydrofuran	42	3.776	3.776	0.0	86	161646	52.3	
50 Chloroform	83	3.807	3.807	0.0	82	129674	9.45	
52 Cyclohexane	56	3.890	3.890	0.0	92	143583	11.0	
51 1,1,1-Trichloroethane	97	3.890	3.890	0.0	89	98543	9.32	
53 Carbon tetrachloride	117	4.004	4.004	0.0	81	75052	8.69	
54 1,1-Dichloropropene	75	4.014	4.014	0.0	92	91405	8.85	
55 Benzene	78	4.190	4.190	0.0	96	304994	9.52	
57 1,2-Dichloroethane	62	4.242	4.242	0.0	91	108547	9.73	
60 Trichloroethene	95	4.678	4.678	0.0	93	74013	9.30	
62 Methylcyclohexane	83	4.760	4.760	0.0	92	139728	10.8	
63 1,2-Dichloropropane	63	4.864	4.864	0.0	92	81122	9.69	
65 Dibromomethane	93	4.968	4.968	0.0	85	51186	9.57	
67 Dichlorobromomethane	83	5.092	5.092	0.0	92	97516	9.62	
69 2-Chloroethyl vinyl ether	63	5.320	5.320	0.0	90	338200	52.1	
71 cis-1,3-Dichloropropene	75	5.424	5.424	0.0	92	122294	9.76	
72 4-Methyl-2-pentanone (MIBK)	43	5.548	5.548	0.0	97	539921	51.5	
73 Toluene	92	5.641	5.641	0.0	97	192288	9.66	
75 trans-1,3-Dichloropropene	75	5.859	5.859	0.0	92	109969	9.07	
77 Ethyl methacrylate	69	5.900	5.900	0.0	89	125723	10.4	
78 1,1,2-Trichloroethane	83	6.004	6.004	0.0	85	63382	10.0	
79 Tetrachloroethene	166	6.035	6.035	0.0	85	68461	9.25	
80 1,3-Dichloropropane	76	6.118	6.118	0.0	93	128461	9.98	
81 2-Hexanone	43	6.191	6.191	0.0	95	384234	51.4	
82 Chlorodibromomethane	129	6.294	6.294	0.0	89	70457	9.32	
83 Ethylene Dibromide	107	6.367	6.367	0.0	97	76213	9.97	
86 Chlorobenzene	112	6.729	6.729	0.0	88	210108	9.96	
89 1,1,1,2-Tetrachloroethane	131	6.802	6.802	0.0	40	68811	9.85	
88 Ethylbenzene	91	6.802	6.802	0.0	99	356160	9.66	
90 m-Xylene & p-Xylene	106	6.895	6.895	0.0	99	280622	20.0	
91 o-Xylene	106	7.206	7.206	0.0	97	141901	10.1	
92 Styrene	104	7.227	7.227	0.0	95	238387	9.92	
93 Bromoform	173	7.403	7.403	0.0	93	40306	8.81	
95 Isopropylbenzene	105	7.486	7.486	0.0	96	341186	9.03	
97 Bromobenzene	156	7.755	7.755	0.0	96	86585	9.55	
98 1,1,2,2-Tetrachloroethane	83	7.797	7.797	0.0	79	107834	9.44	
99 N-Propylbenzene	91	7.818	7.818	0.0	100	424171	9.26	
100 1,2,3-Trichloropropane	110	7.828	7.828	0.0	77	32647	9.27	
101 trans-1,4-Dichloro-2-butene	53	7.838	7.838	0.0	85	98864	40.2	
105 2-Chlorotoluene	126	7.900	7.900	0.0	95	82781	9.51	
104 1,3,5-Trimethylbenzene	105	7.963	7.963	0.0	95	289976	9.52	
102 4-Chlorotoluene	91	7.994	7.994	0.0	98	295210	9.30	
106 tert-Butylbenzene	134	8.222	8.222	0.0	92	58035	9.46	
107 1,2,4-Trimethylbenzene	105	8.263	8.263	0.0	97	294388	9.53	
109 sec-Butylbenzene	105	8.398	8.398	0.0	94	356514	9.36	
110 1,3-Dichlorobenzene	146	8.502	8.502	0.0	95	167573	9.86	
111 4-Isopropyltoluene	119	8.522	8.522	0.0	97	286283	9.28	
113 1,4-Dichlorobenzene	146	8.584	8.584	0.0	93	168135	9.56	
115 n-Butylbenzene	91	8.854	8.854	0.0	97	274055	9.52	
116 1,2-Dichlorobenzene	146	8.885	8.885	0.0	94	157938	9.88	
117 1,2-Dibromo-3-Chloropropane	75	9.559	9.559	0.0	67	17524	10.0	
119 1,2,4-Trichlorobenzene	180	10.201	10.201	0.0	92	95614	10.8	

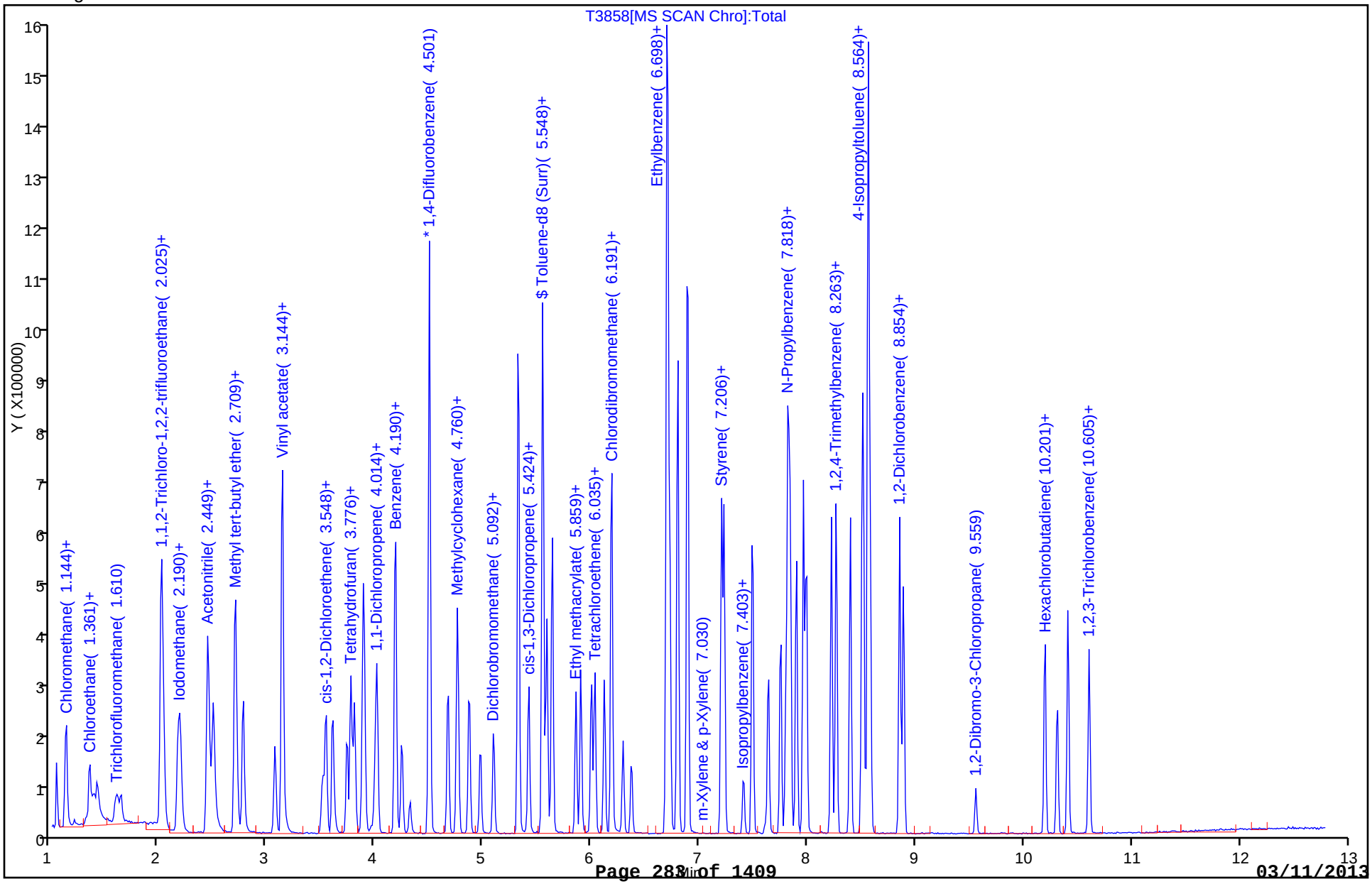
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
120 Hexachlorobutadiene	225	10.315	10.315	0.0	93	37830	10.2	
121 Naphthalene	128	10.408	10.408	0.0	97	277860	10.1	
122 1,2,3-Trichlorobenzene	180	10.605	10.605	0.0	94	84610	11.0	
S 123 1,3-Dichloropropene, Total	1				0		18.8	
S 124 1,2-Dichloroethene, Total	1				0		19.1	
S 125 Total BTEX	1				0		58.9	
S 126 Xylenes, Total	1				0		30.1	

Report Date: 06-Dec-2012 01:45:40 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5975T\20121203-17185.b\T3858.D		
Injection Date:	03-Dec-2012 14:18:30	Limit Group:	MV - 8260MCP_RCP
Client ID:		Instrument ID:	HP5975T
Lims Batch ID:	93813	Lims Sample ID:	5
Operator ID:	LH	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\HP5975T\20121203-17185.b\T3859.D		
Lims ID:	ICIS 4	Client ID:	
Inject. Date:	03-Dec-2012 14:42:30	Dil. Factor:	1.0000
Sample Type:	ICIS	Calib Level:	5
Sample ID:	ICIS 4		
Misc. Info.:	480-0017185-006		
Operator:	LH	Instrument ID:	HP5975T
Purge Vol:	5.000 mL	ALS Bottle#:	44
Lims Batch ID:	93813	Lims Sample ID:	6
Sublist:	chrom-T-8260*sub3		
Detector:	MS SCAN		

Method:	\\Bufchrom\ChromData\HP5975T\20121203-17185.b\T-8260.m		
Last Update:	06-Dec-2012 01:56:52	Calib Date:	03-Dec-2012 21:04:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5975T\20121203-17185.b\T3875.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: HillL Date: 04-Dec-2012 11:55:12

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.501	4.501	0.0	95	659853	25.0	
* 2 Chlorobenzene-d5	117	6.709	6.709	0.0	88	596983	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.564	8.564	0.0	74	289370	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	65	4.190	4.190	0.0	0	236898	25.9	
$ 6 Toluene-d8 (Surr)	98	5.589	5.589	0.0	91	770140	28.4	
$ 7 4-Bromofluorobenzene (Surr)	174	7.641	7.641	0.0	88	219353	27.4	
11 Dichlorodifluoromethane	85	0.936	0.936	0.0	87	168668	28.3	
13 Chloromethane	50	1.050	1.050	0.0	89	203512	24.9	
14 Vinyl chloride	62	1.133	1.133	0.0	84	206815	25.5	
15 Bromomethane	94	1.361	1.361	0.0	94	105521	23.8	
16 Chloroethane	64	1.444	1.444	0.0	94	129597	24.9	
17 Trichlorofluoromethane	101	1.610	1.610	0.0	86	190565	23.6	
21 Acrolein	56	2.014	2.014	0.0	99	689075	527.3	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.035	2.035	0.0	62	153131	26.8	
22 1,1-Dichloroethene	96	2.045	2.045	0.0	87	158004	26.8	
23 Acetone	43	2.170	2.170	0.0	100	347539	134.8	
24 Iodomethane	142	2.180	2.180	0.0	98	200413	26.2	
25 Carbon disulfide	76	2.201	2.201	0.0	100	526145	26.6	
28 Methyl acetate	43	2.439	2.439	0.0	96	226465	26.4	
29 Acetonitrile	40	2.449	2.449	0.0	99	620915	1052.5	
30 Methylene Chloride	84	2.501	2.501	0.0	86	197568	24.6	
32 trans-1,2-Dichloroethene	96	2.698	2.698	0.0	94	184282	25.3	
33 Methyl tert-butyl ether	73	2.708	2.708	0.0	90	643960	25.8	
34 Acrylonitrile	53	2.771	2.771	0.0	100	453637	131.2	
36 1,1-Dichloroethane	63	3.071	3.071	0.0	86	344225	25.2	
39 Vinyl acetate	43	3.144	3.144	0.0	98	2268412	130.9	
42 2,2-Dichloropropane	77	3.517	3.517	0.0	90	151896	25.6	
43 cis-1,2-Dichloroethene	96	3.548	3.548	0.0	67	208977	25.3	
44 2-Butanone (MEK)	43	3.600	3.600	0.0	100	599870	125.8	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
47 Chlorobromomethane	128	3.745	3.745	0.0	93	98611	24.1	
48 Tetrahydrofuran	42	3.765	3.765	0.0	89	395539	131.4	
50 Chloroform	83	3.807	3.807	0.0	81	339736	25.4	
52 Cyclohexane	56	3.890	3.890	0.0	91	337977	26.6	
51 1,1,1-Trichloroethane	97	3.890	3.890	0.0	87	267466	26.0	
53 Carbon tetrachloride	117	4.004	4.004	0.0	79	226293	26.9	
54 1,1-Dichloropropene	75	4.014	4.014	0.0	93	261835	26.0	
55 Benzene	78	4.190	4.190	0.0	96	782678	25.1	
57 1,2-Dichloroethane	62	4.242	4.242	0.0	91	282680	26.0	
60 Trichloroethene	95	4.667	4.667	0.0	94	197346	25.5	
62 Methylcyclohexane	83	4.760	4.760	0.0	92	333799	26.6	
63 1,2-Dichloropropane	63	4.864	4.864	0.0	92	205268	25.2	
65 Dibromomethane	93	4.968	4.968	0.0	88	127726	24.5	
67 Dichlorobromomethane	83	5.092	5.092	0.0	93	253845	25.7	
69 2-Chloroethyl vinyl ether	63	5.320	5.320	0.0	90	830496	131.4	
71 cis-1,3-Dichloropropene	75	5.424	5.424	0.0	88	316546	25.9	
72 4-Methyl-2-pentanone (MIBK)	43	5.548	5.548	0.0	97	1341527	126.7	
73 Toluene	92	5.641	5.641	0.0	98	504702	25.1	
75 trans-1,3-Dichloropropene	75	5.859	5.859	0.0	91	288126	23.1	
77 Ethyl methacrylate	69	5.900	5.900	0.0	89	315808	25.8	
78 1,1,2-Trichloroethane	83	6.004	6.004	0.0	87	158558	24.7	
79 Tetrachloroethene	166	6.035	6.035	0.0	87	191893	25.7	
80 1,3-Dichloropropane	76	6.118	6.118	0.0	92	326743	25.1	
81 2-Hexanone	43	6.190	6.190	0.0	96	970527	128.5	
82 Chlorodibromomethane	129	6.294	6.294	0.0	89	178902	22.6	
83 Ethylene Dibromide	107	6.367	6.367	0.0	99	194060	25.1	
86 Chlorobenzene	112	6.729	6.729	0.0	88	536867	25.2	
89 1,1,1,2-Tetrachloroethane	131	6.802	6.802	0.0	39	171831	24.3	
88 Ethylbenzene	91	6.802	6.802	0.0	99	937854	25.2	
90 m-Xylene & p-Xylene	106	6.895	6.895	0.0	99	716527	50.4	
91 o-Xylene	106	7.206	7.206	0.0	98	353115	24.8	
92 Styrene	104	7.227	7.227	0.0	96	623503	25.7	
93 Bromoform	173	7.403	7.403	0.0	94	107931	22.1	
95 Isopropylbenzene	105	7.496	7.496	0.0	96	907751	25.7	
97 Bromobenzene	156	7.755	7.755	0.0	94	217767	25.6	
98 1,1,2,2-Tetrachloroethane	83	7.797	7.797	0.0	79	279388	26.1	
99 N-Propylbenzene	91	7.817	7.817	0.0	99	1102350	25.7	
100 1,2,3-Trichloropropane	110	7.828	7.828	0.0	80	83662	25.4	
101 trans-1,4-Dichloro-2-butene	53	7.838	7.838	0.0	88	288328	114.1	
105 2-Chlorotoluene	126	7.900	7.900	0.0	95	199635	24.5	
104 1,3,5-Trimethylbenzene	105	7.962	7.962	0.0	93	745424	26.1	
102 4-Chlorotoluene	91	7.994	7.994	0.0	98	744931	25.1	
106 tert-Butylbenzene	134	8.222	8.222	0.0	92	151731	26.4	
107 1,2,4-Trimethylbenzene	105	8.263	8.263	0.0	97	740952	25.6	
109 sec-Butylbenzene	105	8.398	8.398	0.0	95	937022	26.3	
110 1,3-Dichlorobenzene	146	8.501	8.501	0.0	96	404319	25.4	
111 4-Isopropyltoluene	119	8.522	8.522	0.0	97	756831	26.2	
113 1,4-Dichlorobenzene	146	8.584	8.584	0.0	94	422265	25.6	
115 n-Butylbenzene	91	8.854	8.854	0.0	98	706297	26.2	
116 1,2-Dichlorobenzene	146	8.885	8.885	0.0	95	394107	26.3	
117 1,2-Dibromo-3-Chloropropane	75	9.558	9.558	0.0	73	42684	26.1	
119 1,2,4-Trichlorobenzene	180	10.201	10.201	0.0	92	221174	26.7	

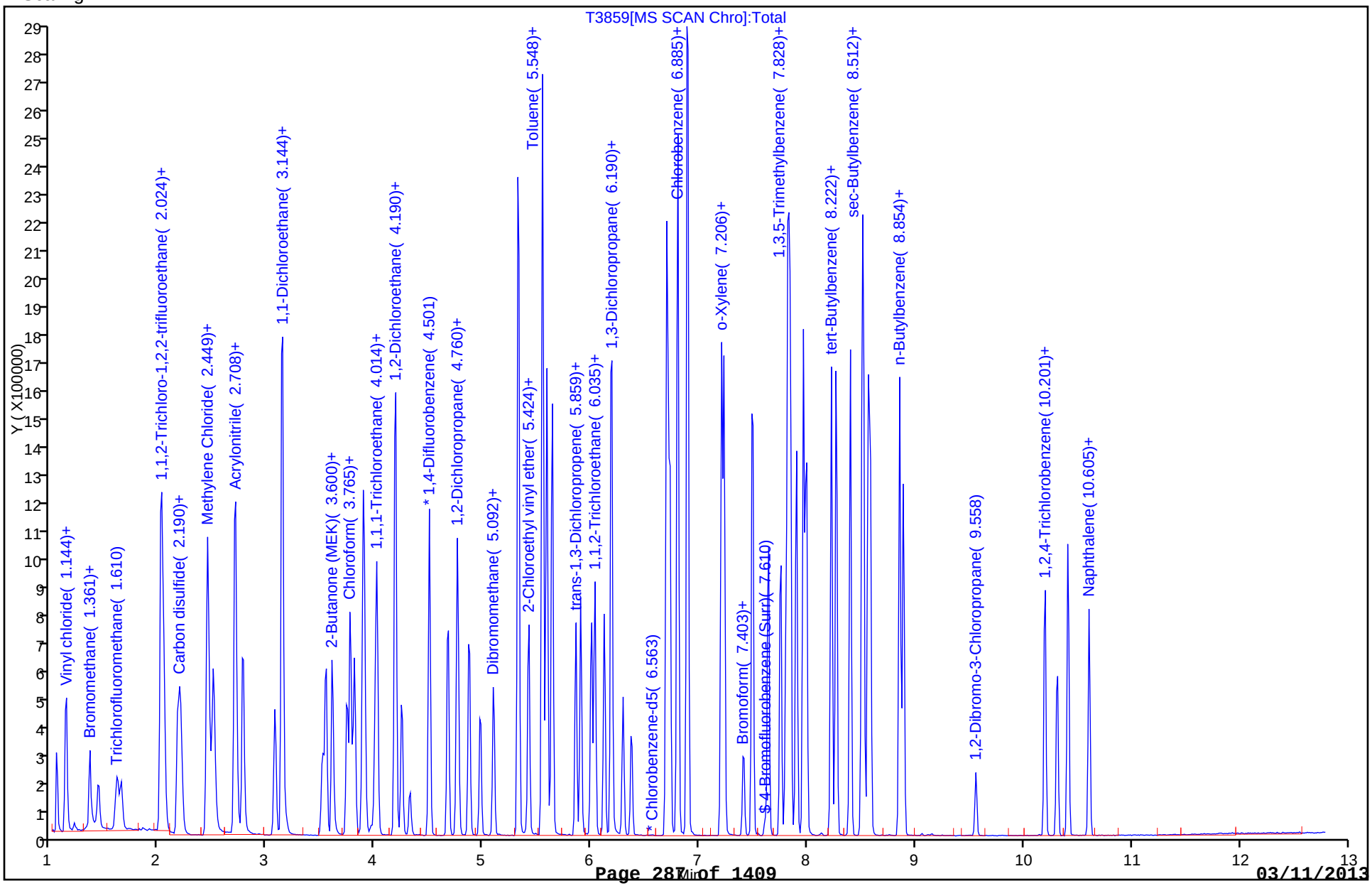
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
120 Hexachlorobutadiene	225	10.315	10.315	0.0	95	88181	25.4	
121 Naphthalene	128	10.408	10.408	0.0	97	655662	25.5	
122 1,2,3-Trichlorobenzene	180	10.605	10.605	0.0	94	179579	25.0	
S 123 1,3-Dichloropropene, Total	1				0		49.0	
S 124 1,2-Dichloroethene, Total	1				0		50.6	
S 125 Total BTEX	1				0		150.6	
S 126 Xylenes, Total	1				0		75.3	

Report Date: 06-Dec-2012 01:56:53 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5975T\20121203-17185.b\T3859.D		
Injection Date:	03-Dec-2012 14:42:30	Limit Group:	MV - 8260MCP_RCP
Client ID:		Instrument ID:	HP5975T
Lims Batch ID:	93813	Lims Sample ID:	6
Operator ID:	LH	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\HP5975T\20121203-17185.b\T3860.D		
Lims ID:	IC 5	Client ID:	
Inject. Date:	03-Dec-2012 15:06:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	6
Sample ID:	IC 5		
Misc. Info.:	480-0017185-007		
Operator:	LH	Instrument ID:	HP5975T
Purge Vol:	5.000 mL	ALS Bottle#:	45
Lims Batch ID:	93813	Lims Sample ID:	7
Sublist:	chrom-T-8260*sub3		
Detector:	MS SCAN		

Method:	\\Bufchrom\ChromData\HP5975T\20121203-17185.b\T-8260.m		
Last Update:	06-Dec-2012 01:58:21	Calib Date:	03-Dec-2012 21:04:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5975T\20121203-17185.b\T3875.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: HillL Date: 04-Dec-2012 11:55:16

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.501	4.501	0.0	95	674452	25.0	
* 2 Chlorobenzene-d5	117	6.709	6.709	0.0	86	604838	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.564	8.564	0.0	67	288818	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	65	4.190	4.190	0.0	0	488749	52.3	
$ 6 Toluene-d8 (Surr)	98	5.589	5.589	0.0	91	1516407	55.3	
$ 7 4-Bromofluorobenzene (Surr)	174	7.641	7.641	0.0	88	428772	52.9	
11 Dichlorodifluoromethane	85	0.936	0.936	0.0	87	320400	52.6	
13 Chloromethane	50	1.050	1.050	0.0	89	405067	48.6	
14 Vinyl chloride	62	1.133	1.133	0.0	84	411261	49.7	
15 Bromomethane	94	1.361	1.361	0.0	93	229214	51.0	
16 Chloroethane	64	1.444	1.444	0.0	94	257051	48.3	
17 Trichlorofluoromethane	101	1.620	1.610	0.010	87	417359	49.6	
21 Acrolein	56	2.014	2.014	0.0	99	1442970	1080.4	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.035	2.035	0.0	83	278145	47.6	
22 1,1-Dichloroethene	96	2.035	2.045	-0.010	85	314299	52.1	
23 Acetone	43	2.170	2.170	0.0	100	681693	258.6	
24 Iodomethane	142	2.180	2.180	0.0	98	388371	49.8	
25 Carbon disulfide	76	2.201	2.201	0.0	100	1000564	49.5	
28 Methyl acetate	43	2.439	2.439	0.0	96	458851	52.3	
29 Acetonitrile	40	2.449	2.449	0.0	99	1324407	2196.3	
30 Methylene Chloride	84	2.501	2.501	0.0	85	407331	50.0	
32 trans-1,2-Dichloroethene	96	2.698	2.698	0.0	95	379004	50.9	
33 Methyl tert-butyl ether	73	2.708	2.708	0.0	90	1296789	50.9	
34 Acrylonitrile	53	2.781	2.771	0.010	100	924096	261.6	
36 1,1-Dichloroethane	63	3.071	3.071	0.0	85	719520	51.6	
39 Vinyl acetate	43	3.144	3.144	0.0	97	4759889	268.6	
42 2,2-Dichloropropane	77	3.517	3.517	0.0	91	323698	53.3	
43 cis-1,2-Dichloroethene	96	3.548	3.548	0.0	67	444683	52.7	
44 2-Butanone (MEK)	43	3.600	3.600	0.0	100	1250771	256.6	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
47 Chlorobromomethane	128	3.745	3.745	0.0	93	217141	52.0	
48 Tetrahydrofuran	42	3.765	3.765	0.0	87	819165	266.3	
50 Chloroform	83	3.807	3.807	0.0	82	711462	52.1	
52 Cyclohexane	56	3.890	3.890	0.0	92	638919	49.3	
51 1,1,1-Trichloroethane	97	3.900	3.890	0.010	92	564923	53.7	
53 Carbon tetrachloride	117	4.004	4.004	0.0	82	481719	56.1	
54 1,1-Dichloropropene	75	4.014	4.014	0.0	92	546451	53.2	
55 Benzene	78	4.190	4.190	0.0	96	1671495	52.4	
57 1,2-Dichloroethane	62	4.242	4.242	0.0	91	593988	53.5	
60 Trichloroethene	95	4.677	4.667	0.010	93	406844	51.4	
62 Methylcyclohexane	83	4.760	4.760	0.0	92	624284	48.6	
63 1,2-Dichloropropane	63	4.864	4.864	0.0	93	440171	52.8	
65 Dibromomethane	93	4.968	4.968	0.0	88	273838	51.4	
67 Dichlorobromomethane	83	5.092	5.092	0.0	93	549416	54.5	
69 2-Chloroethyl vinyl ether	63	5.320	5.320	0.0	90	1715287	265.5	
71 cis-1,3-Dichloropropene	75	5.424	5.424	0.0	88	685494	55.0	
72 4-Methyl-2-pentanone (MIBK)	43	5.548	5.548	0.0	97	2796609	260.6	
73 Toluene	92	5.641	5.641	0.0	98	1061885	52.1	
75 trans-1,3-Dichloropropene	75	5.859	5.859	0.0	91	642879	50.4	
77 Ethyl methacrylate	69	5.900	5.900	0.0	89	649999	52.4	
78 1,1,2-Trichloroethane	83	6.004	6.004	0.0	87	343957	53.0	
79 Tetrachloroethene	166	6.035	6.035	0.0	86	396283	52.3	
80 1,3-Dichloropropane	76	6.118	6.118	0.0	93	687281	52.1	
81 2-Hexanone	43	6.180	6.190	-0.010	97	2024746	264.6	
82 Chlorodibromomethane	129	6.294	6.294	0.0	89	395127	48.5	
83 Ethylene Dibromide	107	6.367	6.367	0.0	98	416235	53.2	
86 Chlorobenzene	112	6.729	6.729	0.0	93	1128606	52.3	
89 1,1,1,2-Tetrachloroethane	131	6.802	6.802	0.0	40	370004	51.7	
88 Ethylbenzene	91	6.802	6.802	0.0	99	1974444	52.3	
90 m-Xylene & p-Xylene	106	6.895	6.895	0.0	99	1513817	105.2	
91 o-Xylene	106	7.206	7.206	0.0	98	731533	50.8	
92 Styrene	104	7.227	7.227	0.0	96	1301898	52.9	
93 Bromoform	173	7.413	7.403	0.010	96	247938	49.0	
95 Isopropylbenzene	105	7.496	7.496	0.0	95	1887362	53.5	
97 Bromobenzene	156	7.755	7.755	0.0	95	459313	54.2	
98 1,1,2,2-Tetrachloroethane	83	7.797	7.797	0.0	79	578834	54.2	
99 N-Propylbenzene	91	7.817	7.817	0.0	99	2261934	52.8	
100 1,2,3-Trichloropropane	110	7.828	7.828	0.0	78	177319	53.9	
101 trans-1,4-Dichloro-2-butene	53	7.838	7.838	0.0	88	629770	243.4	
105 2-Chlorotoluene	126	7.900	7.900	0.0	95	409921	50.4	
104 1,3,5-Trimethylbenzene	105	7.962	7.962	0.0	93	1484386	52.2	
102 4-Chlorotoluene	91	7.994	7.994	0.0	99	1526376	51.5	
106 tert-Butylbenzene	134	8.222	8.222	0.0	92	297131	51.8	
107 1,2,4-Trimethylbenzene	105	8.263	8.263	0.0	97	1495369	51.8	
109 sec-Butylbenzene	105	8.398	8.398	0.0	94	1823616	51.2	
110 1,3-Dichlorobenzene	146	8.501	8.501	0.0	97	812428	51.2	
111 4-Isopropyltoluene	119	8.522	8.522	0.0	97	1465113	50.8	
113 1,4-Dichlorobenzene	146	8.584	8.584	0.0	93	831688	50.6	
115 n-Butylbenzene	91	8.854	8.854	0.0	98	1379339	51.3	
116 1,2-Dichlorobenzene	146	8.885	8.885	0.0	94	748023	50.1	
117 1,2-Dibromo-3-Chloropropane	75	9.558	9.558	0.0	80	82051	50.3	
119 1,2,4-Trichlorobenzene	180	10.201	10.201	0.0	95	387566	46.9	

Report Date: 06-Dec-2012 01:58:22 Chrom Revision: 2.0 22-Oct-2012 16:30:48
Data File: \\Bufchrom\ChromData\HP5975T\20121203-17185.b\T3860.D

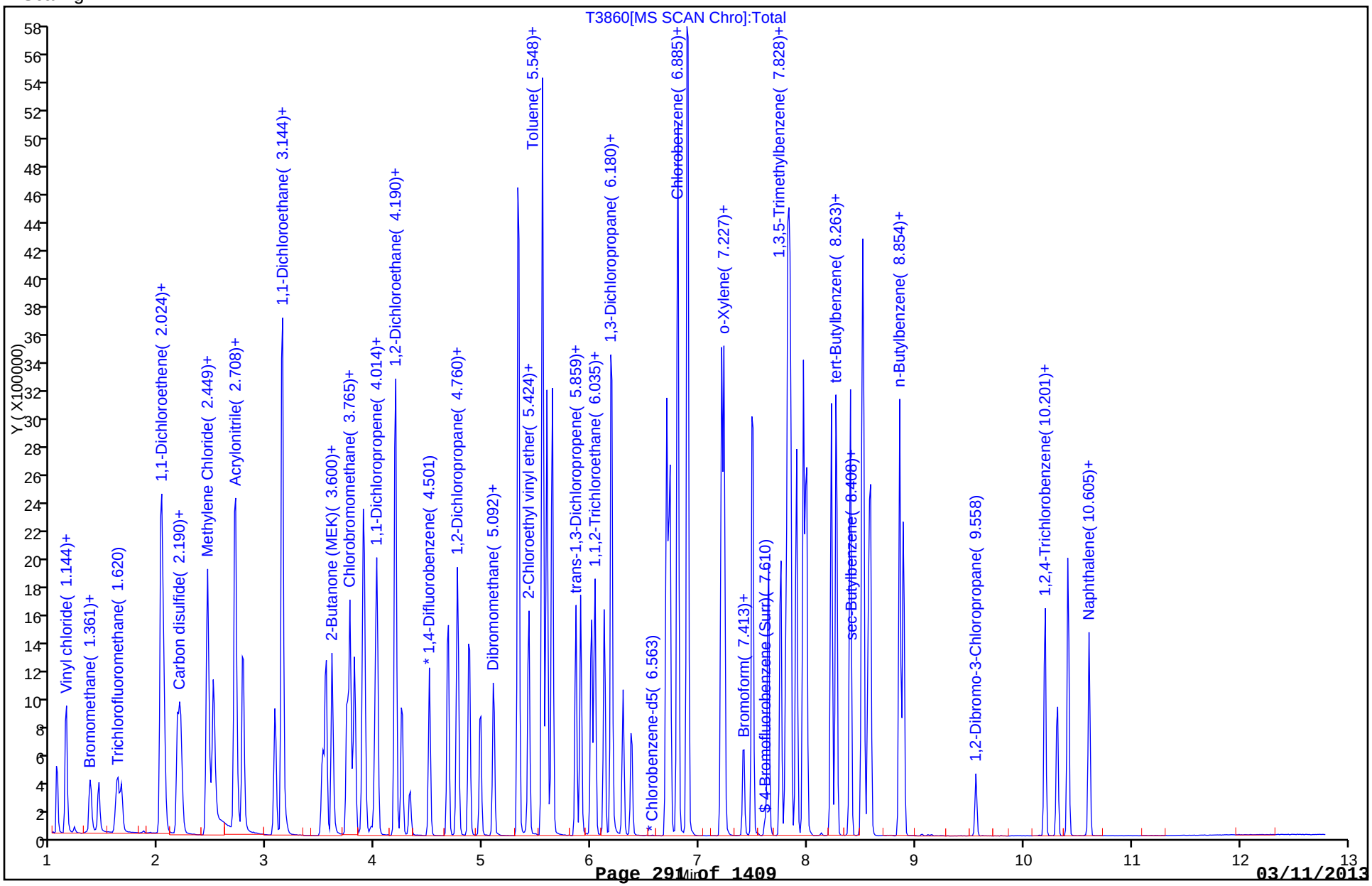
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
120 Hexachlorobutadiene	225	10.315	10.315	0.0	96	143924	41.6	
121 Naphthalene	128	10.408	10.408	0.0	97	1283310	50.0	
122 1,2,3-Trichlorobenzene	180	10.605	10.605	0.0	94	331494	46.2	
S 123 1,3-Dichloropropene, Total	1				0		105.4	
S 124 1,2-Dichloroethene, Total	1				0		103.6	
S 125 Total BTEX	1				0		312.7	
S 126 Xylenes, Total	1				0		156.0	

Report Date: 06-Dec-2012 01:58:22 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5975T\20121203-17185.b\T3860.D		
Injection Date:	03-Dec-2012 15:06:30	Limit Group:	MV - 8260MCP_RCP
Client ID:		Instrument ID:	HP5975T
Lims Batch ID:	93813	Lims Sample ID:	7
Operator ID:	LH	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\HP5975T\20121203-17185.b\T3861.D		
Lims ID:	IC 6	Client ID:	
Inject. Date:	03-Dec-2012 15:29:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	7
Sample ID:	IC 6		
Misc. Info.:	480-0017185-008		
Operator:	LH	Instrument ID:	HP5975T
Purge Vol:	5.000 mL	ALS Bottle#:	46
Lims Batch ID:	93813	Lims Sample ID:	8
Sublist:	chrom-T-8260*sub3		
Detector:	MS SCAN		

Method:	\\Bufchrom\ChromData\HP5975T\20121203-17185.b\T-8260.m		
Last Update:	06-Dec-2012 01:58:52	Calib Date:	03-Dec-2012 21:04:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5975T\20121203-17185.b\T3875.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: HillL Date: 04-Dec-2012 11:55:19

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.501	4.501	0.0	95	682096	25.0	
* 2 Chlorobenzene-d5	117	6.709	6.709	0.0	85	607326	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.564	8.564	0.0	91	280201	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	65	4.191	4.190	0.001	0	996842	105.4	
$ 6 Toluene-d8 (Surr)	98	5.590	5.589	0.001	91	2992233	108.6	
$ 7 4-Bromofluorobenzene (Surr)	174	7.641	7.641	0.0	88	856702	105.3	
11 Dichlorodifluoromethane	85	0.937	0.936	0.001	88	656266	106.6	
13 Chloromethane	50	1.061	1.050	0.011	89	810341	96.1	
14 Vinyl chloride	62	1.133	1.133	0.0	84	845365	101.1	
15 Bromomethane	94	1.372	1.361	0.011	93	458746	101.5	
16 Chloroethane	64	1.444	1.444	0.0	94	523265	97.2	
17 Trichlorofluoromethane	101	1.620	1.610	0.010	87	898149	104.7	
21 Acrolein	56	2.014	2.014	0.0	99	2938597	2175.5	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.035	2.035	0.0	82	592542	100.3	
22 1,1-Dichloroethene	96	2.045	2.045	0.0	87	644197	105.6	
23 Acetone	43	2.170	2.170	0.0	100	1388575	520.8	
24 Iodomethane	142	2.180	2.180	0.0	99	815651	103.3	
25 Carbon disulfide	76	2.201	2.201	0.0	100	2148178	105.1	
28 Methyl acetate	43	2.439	2.439	0.0	98	941323	106.1	
29 Acetonitrile	40	2.450	2.449	0.001	99	2690205	4411.3	
30 Methylene Chloride	84	2.501	2.501	0.0	85	829711	101.1	
32 trans-1,2-Dichloroethene	96	2.709	2.698	0.011	63	791646	105.1	
33 Methyl tert-butyl ether	73	2.709	2.708	0.001	95	2710126	105.1	
34 Acrylonitrile	53	2.781	2.771	0.010	99	1891896	529.5	
36 1,1-Dichloroethane	63	3.071	3.071	0.0	85	1472073	104.4	
39 Vinyl acetate	43	3.144	3.144	0.0	97	10017280	559.0	
42 2,2-Dichloropropane	77	3.517	3.517	0.0	91	627798	102.3	
43 cis-1,2-Dichloroethene	96	3.548	3.548	0.0	67	889193	104.2	
44 2-Butanone (MEK)	43	3.600	3.600	0.0	100	2563816	520.1	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
47 Chlorobromomethane	128	3.745	3.745	0.0	94	438278	103.7	
48 Tetrahydrofuran	42	3.766	3.765	0.001	87	1660867	533.9	
50 Chloroform	83	3.807	3.807	0.0	82	1451250	105.0	
52 Cyclohexane	56	3.890	3.890	0.0	92	1367157	104.3	
51 1,1,1-Trichloroethane	97	3.900	3.890	0.010	91	1143563	107.4	
53 Carbon tetrachloride	117	4.004	4.004	0.0	81	1006857	115.8	
54 1,1-Dichloropropene	75	4.014	4.014	0.0	92	1108625	106.7	
55 Benzene	78	4.191	4.190	0.001	96	3379922	104.8	
57 1,2-Dichloroethane	62	4.242	4.242	0.0	91	1202747	107.1	
60 Trichloroethene	95	4.678	4.667	0.011	94	838755	104.7	
62 Methylcyclohexane	83	4.760	4.760	0.0	93	1354992	104.3	
63 1,2-Dichloropropane	63	4.864	4.864	0.0	93	909205	107.9	
65 Dibromomethane	93	4.968	4.968	0.0	88	569204	105.7	
67 Dichlorobromomethane	83	5.092	5.092	0.0	93	1146533	112.4	
69 2-Chloroethyl vinyl ether	63	5.330	5.320	0.010	90	3549883	543.3	
71 cis-1,3-Dichloropropene	75	5.424	5.424	0.0	88	1427193	113.1	
72 4-Methyl-2-pentanone (MIBK)	43	5.548	5.548	0.0	97	5718884	530.8	
73 Toluene	92	5.641	5.641	0.0	98	2170689	106.0	
75 trans-1,3-Dichloropropene	75	5.859	5.859	0.0	92	1322000	103.0	
77 Ethyl methacrylate	69	5.900	5.900	0.0	89	1373187	110.3	
78 1,1,2-Trichloroethane	83	6.004	6.004	0.0	87	714295	109.5	
79 Tetrachloroethene	166	6.035	6.035	0.0	86	816480	107.3	
80 1,3-Dichloropropane	76	6.118	6.118	0.0	93	1414742	106.8	
81 2-Hexanone	43	6.180	6.190	-0.010	98	4188575	545.0	
82 Chlorodibromomethane	129	6.294	6.294	0.0	89	861247	104.6	
83 Ethylene Dibromide	107	6.367	6.367	0.0	97	869048	110.6	
86 Chlorobenzene	112	6.729	6.729	0.0	93	2276547	105.0	
89 1,1,1,2-Tetrachloroethane	131	6.802	6.802	0.0	40	772209	107.5	
88 Ethylbenzene	91	6.802	6.802	0.0	99	4091864	107.9	
90 m-Xylene & p-Xylene	106	6.895	6.895	0.0	100	3080416	213.1	
91 o-Xylene	106	7.206	7.206	0.0	98	1508662	104.3	
92 Styrene	104	7.227	7.227	0.0	95	2661174	107.7	
93 Bromoform	173	7.413	7.403	0.010	96	538734	105.2	
95 Isopropylbenzene	105	7.496	7.496	0.0	96	3821147	111.6	
97 Bromobenzene	156	7.755	7.755	0.0	96	922286	112.2	
98 1,1,2,2-Tetrachloroethane	83	7.797	7.797	0.0	79	1132637	109.3	
99 N-Propylbenzene	91	7.818	7.817	0.001	99	4648164	111.9	
100 1,2,3-Trichloropropane	110	7.828	7.828	0.0	78	332819	104.3	
101 trans-1,4-Dichloro-2-butene	53	7.838	7.838	0.0	88	1346699	530.1	
105 2-Chlorotoluene	126	7.900	7.900	0.0	95	835646	105.9	
104 1,3,5-Trimethylbenzene	105	7.963	7.962	0.001	94	2973300	107.7	
102 4-Chlorotoluene	91	7.994	7.994	0.0	98	3099908	107.7	
106 tert-Butylbenzene	134	8.222	8.222	0.0	92	583224	104.8	
107 1,2,4-Trimethylbenzene	105	8.263	8.263	0.0	87	2939504	104.9	
109 sec-Butylbenzene	105	8.398	8.398	0.0	95	3603115	104.3	
110 1,3-Dichlorobenzene	146	8.502	8.501	0.001	96	1594431	103.5	
111 4-Isopropyltoluene	119	8.522	8.522	0.0	97	2819566	100.8	
113 1,4-Dichlorobenzene	146	8.584	8.584	0.0	94	1664848	104.4	
115 n-Butylbenzene	91	8.854	8.854	0.0	98	2665360	102.1	
116 1,2-Dichlorobenzene	146	8.885	8.885	0.0	93	1438331	99.2	
117 1,2-Dibromo-3-Chloropropane	75	9.559	9.558	0.001	81	170230	107.6	
119 1,2,4-Trichlorobenzene	180	10.201	10.201	0.0	93	809593	101.0	

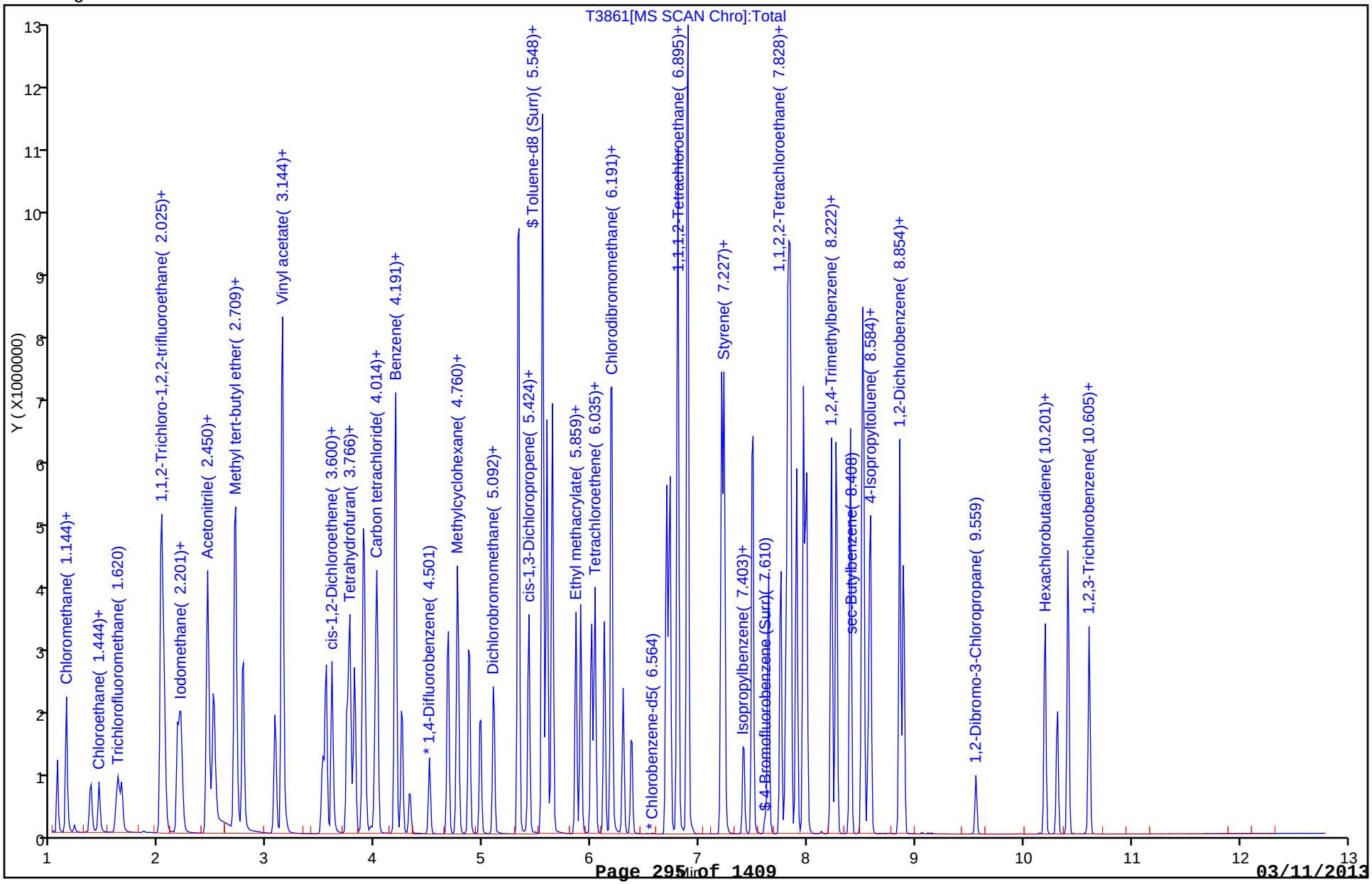
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
120 Hexachlorobutadiene	225	10.315	10.315	0.0	96	294487	87.7	
121 Naphthalene	128	10.408	10.408	0.0	98	2784522	111.8	
122 1,2,3-Trichlorobenzene	180	10.605	10.605	0.0	94	742693	106.7	
S 123 1,3-Dichloropropene, Total	1				0		216.1	
S 124 1,2-Dichloroethene, Total	1				0		209.3	
S 125 Total BTEX	1				0		636.2	
S 126 Xylenes, Total	1				0		317.5	

Report Date: 06-Dec-2012 01:58:52 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5975T\20121203-17185.b\T3861.D		
Injection Date:	03-Dec-2012 15:29:30	Limit Group:	MV - 8260MCP_RCP
Client ID:		Instrument ID:	HP5975T
Lims Batch ID:	93813	Lims Sample ID:	8
Operator ID:	LH	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.: 480-30106-1 Analy Batch No.: 93813

SDG No.:

Instrument ID: HP5975T GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2012 17:52 Calibration End Date: 12/03/2012 17:52 Calibration ID: 11365

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-93813/11	T3867.D
Level 2	IC 480-93813/12	T3868.D
Level 3	IC 480-93813/13	T3869.D
Level 4	IC 480-93813/14	T3870.D
Level 5	IC 480-93813/15	T3871.D
Level 6	IC 480-93813/16	T3872.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								
Ethyl ether	0.2683 0.2846	0.2729	0.2759	0.2860	0.2768	Ave		0.2774				2.4		15.0			
3-Chloro-1-propene	0.3951 0.4584	0.3818	0.4277	0.4478	0.4407	Ave		0.4252				7.2		15.0			
2-Methyl-2-propanol	0.0459 0.0324	0.0435	0.0454	0.0483	0.0471	Ave		0.0438				13.0		15.0			
Isopropyl ether	0.9641 1.0333	0.9435	1.0096	1.0120	0.9954	Ave		0.9930				3.4		15.0			
Halothane	0.1368 0.1630	0.1544	0.1548	0.1532	0.1514	Ave		0.1523				5.6		15.0			
Tert-butyl ethyl ether	0.9223 1.1198	0.9935	1.0538	1.0281	1.0433	Ave		1.0268				6.4		15.0			
Propionitrile	0.0595 0.0586	0.0550	0.0581	0.0563	0.0564	Ave		0.0573				3.0		15.0			
Tert-amyl methyl ether	0.8119 1.0399	0.9345	1.0016	0.9673	0.9928	Ave		0.9580				8.3		15.0			
n-Heptane	0.3589 0.7029	0.3980	0.4609	0.4502	0.4360	Qua	1.2302	0.2016	0.0049						0.9980		0.9900
2,4,4-Trimethyl-1-pentene	0.1783 0.2224	0.2022	0.2130	0.2114	0.2133	Ave		0.2067				7.4		15.0			
2,4,4-Trimethyl-2-pentene	0.5050 0.6359	0.5211	0.5689	0.5850	0.5381	Ave		0.5590				8.6		15.0			
1,4-Dioxane	0.0034 0.0038	0.0044	0.0042	0.0042	0.0043	Ave		0.0040				9.6		15.0			
2-Nitropropane	0.1993 0.2687	0.1733	0.1879	0.2123	0.2346	Lin	-3.970	0.2702							0.9950		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 RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-30106-1 Analy Batch No.: 93813

SDG No.:

Instrument ID: HP5975T GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2012 17:52 Calibration End Date: 12/03/2012 17:52 Calibration ID: 11365

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-93813/11	T3867.D
Level 2	IC 480-93813/12	T3868.D
Level 3	IC 480-93813/13	T3869.D
Level 4	IC 480-93813/14	T3870.D
Level 5	IC 480-93813/15	T3871.D
Level 6	IC 480-93813/16	T3872.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Ethyl ether	DFB	Ave	6837 720091	34705	69717	184633	357982	1.00 100	5.00	10.0	25.0	50.0
3-Chloro-1-propene	DFB	Ave	10067 1159900	48544	108077	289093	569826	1.00 100	5.00	10.0	25.0	50.0
2-Methyl-2-propanol	DFB	Ave	23394 1642046	110606	229334	623666	1218096	20.0 2000	100	200	500	1000
Isopropyl ether	DFB	Ave	24564 2614765	119973	255105	653380	1287151	1.00 100	5.00	10.0	25.0	50.0
Halothane	DFB	Ave	3486 412550	19633	39128	98882	195838	1.00 100	5.00	10.0	25.0	50.0
Tert-butyl ethyl ether	DFB	Ave	23500 2833728	126326	266290	663731	1349025	1.00 100	5.00	10.0	25.0	50.0
Propionitrile	DFB	Ave	15170 1483179	69932	146718	363195	729080	10.0 1000	50.0	100	250	500
Tert-amyl methyl ether	DFB	Ave	20686 2631528	118831	253083	624518	1283819	1.00 100	5.00	10.0	25.0	50.0
n-Heptane	DFB	Qua	9144 1778666	50614	116456	290653	563753	1.00 100	5.00	10.0	25.0	50.0
2,4,4-Trimethyl-1-pentene	DFB	Ave	4544 562857	25706	53812	136459	275757	1.00 100	5.00	10.0	25.0	50.0
2,4,4-Trimethyl-2-pentene	DFB	Ave	12868 1609219	66267	143742	377671	695781	1.00 100	5.00	10.0	25.0	50.0
1,4-Dioxane	CBZ	Ave	3008 345450	19358	37047	97245	198742	40.0 4000	200	400	1000	2000
2-Nitropropane	DCB	Lin	10502 1445901	45173	102294	296482	648753	5.00 500	25.0	50.0	125	250

Curve Type Legend:

Ave = Average ISTD
Lin = Linear ISTD
Qua = Quadratic ISTD

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5975T\20121203-17185.b\T3867.D		
Lims ID:	IC 7	Client ID:	
Inject. Date:	03-Dec-2012 17:52:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	IC 7		
Misc. Info.:	480-0017185-011		
Operator:	LH	Instrument ID:	HP5975T
Purge Vol:	5.000 mL	ALS Bottle#:	52
Lims Batch ID:	93813	Lims Sample ID:	11
Sublist:	chrom-T-8260*sub30		
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5975T\20121203-17185.b\T-8260.m		
Last Update:	06-Dec-2012 02:13:44	Calib Date:	03-Dec-2012 21:04:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5975T\20121203-17185.b\T3875.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: HillL Date: 04-Dec-2012 11:56:10

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.501	4.501	0.0	95	636997	25.0	
* 2 Chlorobenzene-d5	117	6.709	6.709	0.0	86	556711	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.564	8.564	0.0	96	263443	25.0	
12 Chlorodifluoromethane	51	0.957	0.957	0.0	47	2601	0	
18 Dichlorofluoromethane	67	1.610	1.610	0.0	71	11056	0	
19 Ethyl ether	59	1.859	1.859	0.0	89	6837	0.9672	
84 Propene oxide	58	1.931	1.931	0.0	84	10729	0	
26 Isopropyl alcohol	45	2.356	2.356	0.0	82	11637	0	
27 3-Chloro-1-propene	41	2.377	2.377	0.0	77	10067	0.9291	
31 2-Methyl-2-propanol	59	2.709	2.698	0.011	96	23394	21.0	
35 Hexane	57	2.885	2.874	0.011	73	6821	0	
37 Isopropyl ether	45	3.102	3.102	0.0	91	24564	0.9709	
38 2-Chloro-1,3-butadiene	53	3.123	3.123	0.0	78	9215	0	
139 Halothane	117	3.134	3.133	0.001	0	3486	0.8984	
40 1,1-Dimethoxyethane	75	3.175	3.175	0.0	89	8366	0	
41 Tert-butyl ethyl ether	59	3.403	3.392	0.011	94	23500	0.8982	
45 Ethyl acetate	43	3.641	3.631	0.010	89	9584	0	
46 Propionitrile	54	3.693	3.693	0.0	95	15170	10.4	
49 Methacrylonitrile	41	3.776	3.776	0.0	78	5927	0	
56 Isobutyl alcohol	43	4.242	4.242	0.0	91	27170	0	
58 Tert-amyl methyl ether	73	4.263	4.263	0.0	83	20686	0.8474	
59 n-Heptane	43	4.336	4.336	0.0	72	9144	-4.90	
141 2,4,4-Trimethyl-1-pentene	55	4.584	4.584	0.0	0	4544	0.8626	
61 n-Butanol	56	4.740	4.729	0.011	81	14755	0	
140 2,4,4-Trimethyl-2-pentene	97	4.781	4.781	0.0	0	12868	0.9034	
64 Methyl methacrylate	41	4.968	4.968	0.0	78	10299	1.19	
66 1,4-Dioxane	88	5.020	4.999	0.021	76	3008	33.4	
68 2-Nitropropane	43	5.310	5.310	0.0	92	10502	18.4	
70 Epichlorohydrin	57	5.403	5.393	0.010	95	18988	0	

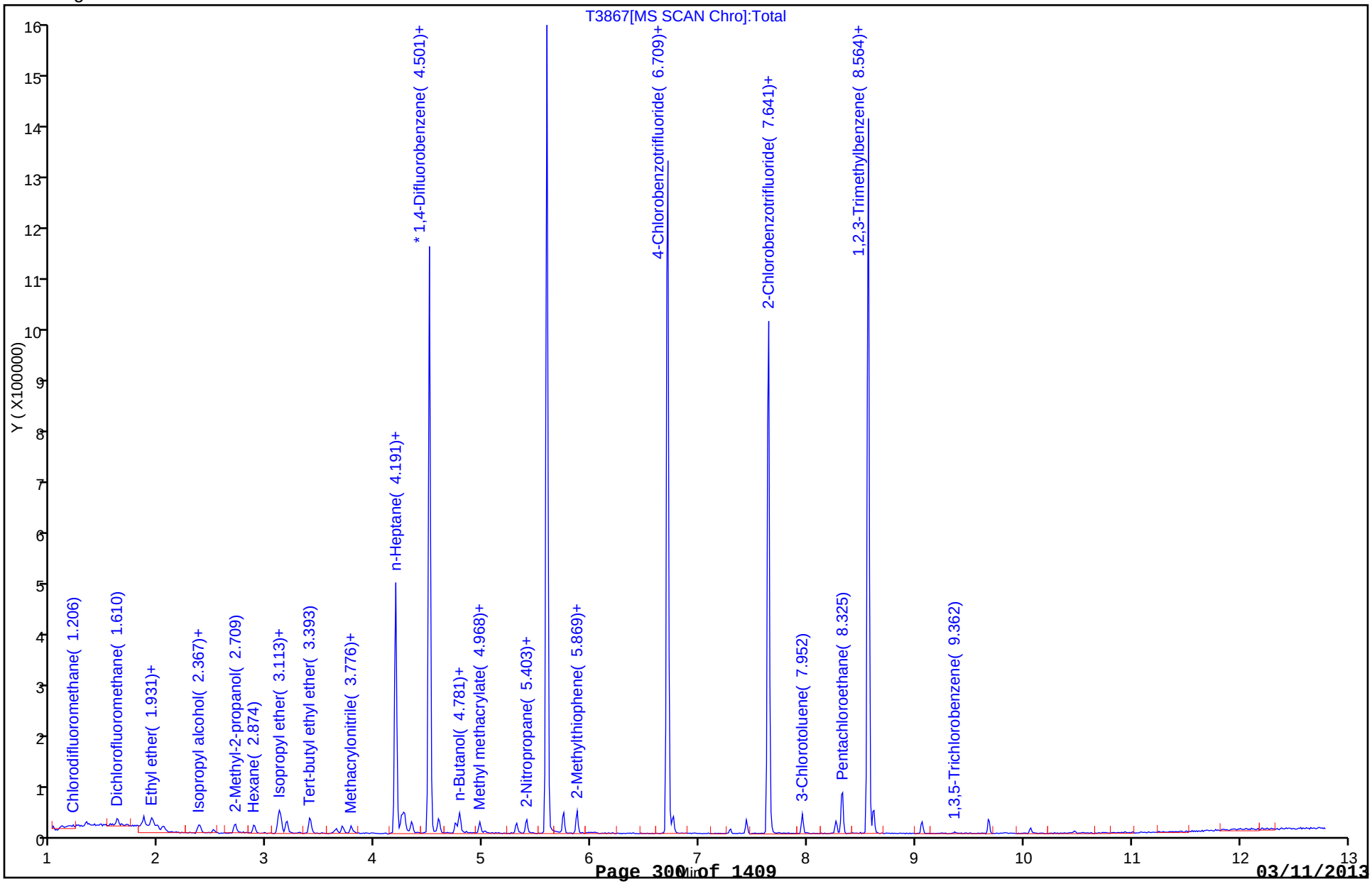
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
74 2-Methylthiophene	97	5.745	5.745	0.0	87	22174	0	
76 3-Methylthiophene	97	5.869	5.869	0.0	92	21721	0	
85 3-Chlorobenzotrifluoride	180	6.709	6.709	0.0	41	6974	0	
87 4-Chlorobenzotrifluoride	180	6.761	6.760	0.001	63	6819	0	
94 2-Chlorobenzotrifluoride	180	7.434	7.434	0.0	67	6863	0	
96 Cyclohexanone	55	7.641	7.631	0.010	35	12614	0	
103 3-Chlorotoluene	126	7.952	7.952	0.0	89	6772	0	
108 Pentachloroethane	167	8.263	8.263	0.0	59	3103	0	
112 Dicyclopentadiene	66	8.564	8.564	0.0	44	35902	0	
114 1,2,3-Trimethylbenzene	105	8.616	8.615	0.001	82	21126	0	
118 1,3,5-Trichlorobenzene	180	9.683	9.672	0.011	75	6884	0	

Report Date: 06-Dec-2012 02:13:45 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5975T\20121203-17185.b\T3867.D		
Injection Date:	03-Dec-2012 17:52:30	Limit Group:	MV - 8260MCP_RCP
Client ID:		Instrument ID:	HP5975T
Lims Batch ID:	93813	Lims Sample ID:	11
Operator ID:	LH	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\HP5975T\20121203-17185.b\T3868.D		
Lims ID:	IC 8	Client ID:	
Inject. Date:	03-Dec-2012 18:17:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	IC 8		
Misc. Info.:	480-0017185-012		
Operator:	LH	Instrument ID:	HP5975T
Purge Vol:	5.000 mL	ALS Bottle#:	53
Lims Batch ID:	93813	Lims Sample ID:	12
Sublist:	chrom-T-8260*sub30		
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5975T\20121203-17185.b\T-8260.m		
Last Update:	06-Dec-2012 02:12:52	Calib Date:	03-Dec-2012 21:04:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5975T\20121203-17185.b\T3875.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: HillL Date: 04-Dec-2012 11:56:12

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.501	4.501	0.0	95	635787	25.0	
* 2 Chlorobenzene-d5	117	6.709	6.709	0.0	87	549464	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.564	8.564	0.0	97	260608	25.0	
12 Chlorodifluoromethane	51	0.957	0.957	0.0	74	16770	0	
18 Dichlorofluoromethane	67	1.610	1.610	0.0	82	54656	0	
19 Ethyl ether	59	1.859	1.859	0.0	95	34705	4.92	
84 Propene oxide	58	1.931	1.931	0.0	87	48752	0	
26 Isopropyl alcohol	45	2.356	2.356	0.0	95	57848	0	
27 3-Chloro-1-propene	41	2.377	2.377	0.0	86	48544	4.49	
31 2-Methyl-2-propanol	59	2.698	2.698	0.0	99	110606	99.4	
35 Hexane	57	2.874	2.874	0.0	89	50095	0	
37 Isopropyl ether	45	3.102	3.102	0.0	93	119973	4.75	
38 2-Chloro-1,3-butadiene	53	3.123	3.123	0.0	94	51634	0	
139 Halothane	117	3.134	3.133	0.001	0	19633	5.07	
40 1,1-Dimethoxyethane	75	3.175	3.175	0.0	98	46576	0	
41 Tert-butyl ethyl ether	59	3.393	3.392	0.001	97	126326	4.84	
45 Ethyl acetate	43	3.641	3.631	0.010	98	46636	0	
46 Propionitrile	54	3.693	3.693	0.0	99	69932	48.0	
49 Methacrylonitrile	41	3.776	3.776	0.0	91	26869	0	
56 Isobutyl alcohol	43	4.242	4.242	0.0	92	134034	0	
58 Tert-amyl methyl ether	73	4.263	4.263	0.0	88	118831	4.88	
59 n-Heptane	43	4.336	4.336	0.0	90	50614	3.48	
141 2,4,4-Trimethyl-1-pentene	55	4.584	4.584	0.0	0	25706	4.89	
61 n-Butanol	56	4.740	4.729	0.011	83	74570	0	
140 2,4,4-Trimethyl-2-pentene	97	4.781	4.781	0.0	0	66267	4.66	
64 Methyl methacrylate	41	4.968	4.968	0.0	91	36949	4.28	
66 1,4-Dioxane	88	5.009	4.999	0.010	90	19358	218.0	
68 2-Nitropropane	43	5.310	5.310	0.0	97	45173	30.7	
70 Epichlorohydrin	57	5.393	5.393	0.0	98	100711	0	

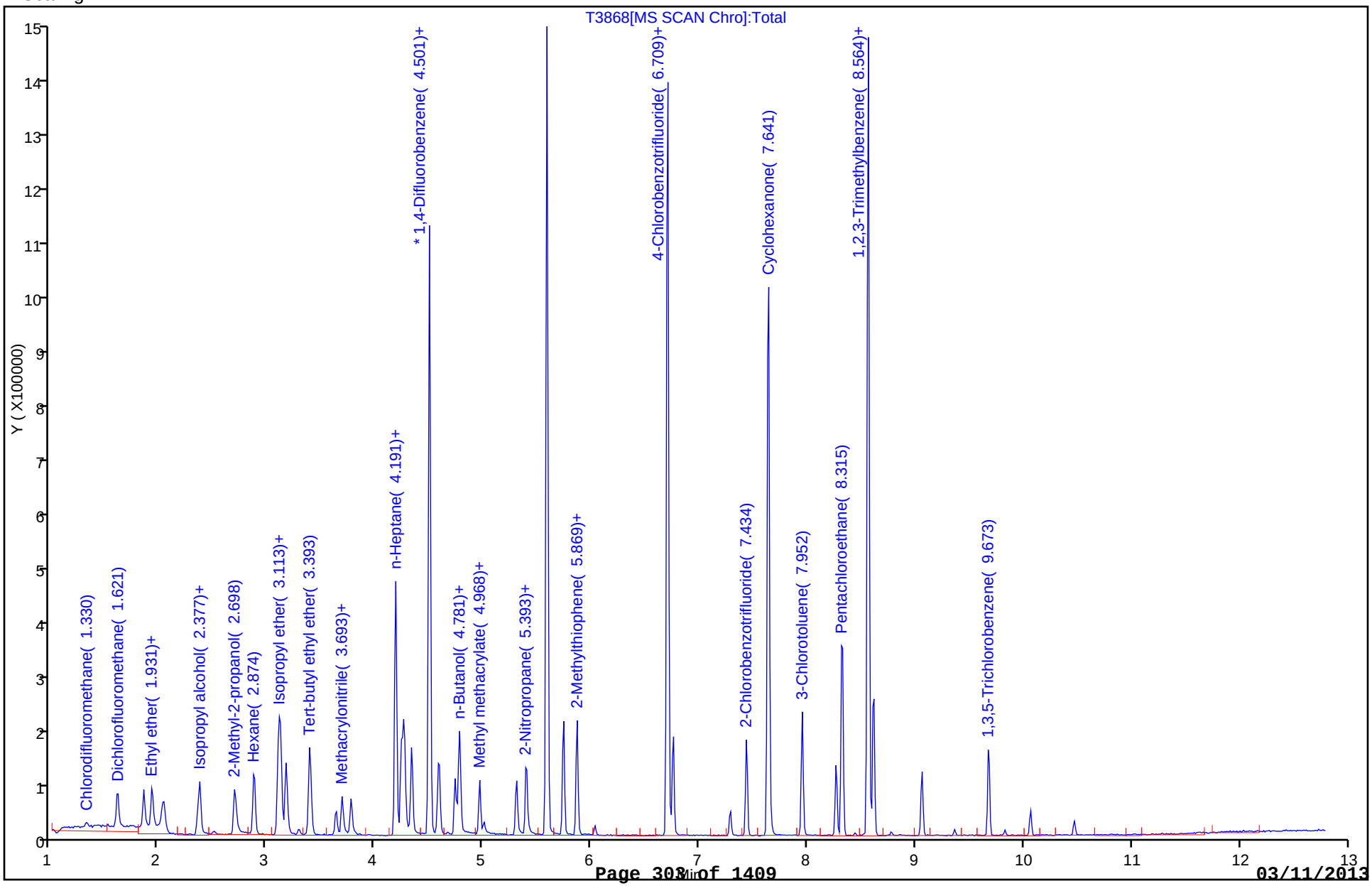
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
74 2-Methylthiophene	97	5.745	5.745	0.0	97	108440	0	
76 3-Methylthiophene	97	5.869	5.869	0.0	99	111583	0	
85 3-Chlorobenzotrifluoride	180	6.709	6.709	0.0	73	45687	0	
87 4-Chlorobenzotrifluoride	180	6.761	6.760	0.001	94	39505	0	
94 2-Chlorobenzotrifluoride	180	7.434	7.434	0.0	94	44523	0	
96 Cyclohexanone	55	7.631	7.631	0.0	88	57615	0	
103 3-Chlorotoluene	126	7.952	7.952	0.0	97	36433	0	
108 Pentachloroethane	167	8.263	8.263	0.0	79	15136	0	
112 Dicyclopentadiene	66	8.564	8.564	0.0	61	173175	0	
114 1,2,3-Trimethylbenzene	105	8.616	8.615	0.001	98	131089	0	
118 1,3,5-Trichlorobenzene	180	9.673	9.672	0.001	94	39263	0	

Report Date: 06-Dec-2012 02:12:52 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5975T\20121203-17185.b\T3868.D		
Injection Date:	03-Dec-2012 18:17:30	Limit Group:	MV - 8260MCP_RCP
Client ID:		Instrument ID:	HP5975T
Lims Batch ID:	93813	Lims Sample ID:	12
Operator ID:	LH	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\HP5975T\20121203-17185.b\T3869.D		
Lims ID:	IC 9	Client ID:	
Inject. Date:	03-Dec-2012 18:40:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	3
Sample ID:	IC 9		
Misc. Info.:	480-0017185-013		
Operator:	LH	Instrument ID:	HP5975T
Purge Vol:	5.000 mL	ALS Bottle#:	54
Lims Batch ID:	93813	Lims Sample ID:	13
Sublist:	chrom-T-8260*sub30		
Detector:	MS SCAN		

Method:	\\Bufchrom\ChromData\HP5975T\20121203-17185.b\T-8260.m		
Last Update:	04-Dec-2012 11:56:15	Calib Date:	03-Dec-2012 21:04:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5975T\20121203-17185.b\T3875.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: HillL Date: 04-Dec-2012 11:56:15

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.501	4.501	0.0	95	631711	25.0	
* 2 Chlorobenzene-d5	117	6.709	6.709	0.0	87	554055	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.564	8.564	0.0	97	272131	25.0	
12 Chlorodifluoromethane	51	0.957	0.957	0.0	76	40008	0	
18 Dichlorofluoromethane	67	1.610	1.610	0.0	83	117962	0	
19 Ethyl ether	59	1.859	1.859	0.0	92	69717	9.95	
84 Propene oxide	58	1.931	1.931	0.0	85	104862	0	
26 Isopropyl alcohol	45	2.356	2.356	0.0	95	114822	0	
27 3-Chloro-1-propene	41	2.377	2.377	0.0	88	108077	10.1	
31 2-Methyl-2-propanol	59	2.698	2.698	0.0	100	229334	207.4	
35 Hexane	57	2.874	2.874	0.0	93	107490	0	
37 Isopropyl ether	45	3.102	3.102	0.0	94	255105	10.2	
38 2-Chloro-1,3-butadiene	53	3.123	3.123	0.0	91	114375	0	
139 Halothane	117	3.123	3.133	-0.010	0	39128	10.2	
40 1,1-Dimethoxyethane	75	3.175	3.175	0.0	94	98036	0	
41 Tert-butyl ethyl ether	59	3.392	3.392	0.0	98	266290	10.3	
45 Ethyl acetate	43	3.631	3.631	0.0	99	87003	0	
46 Propionitrile	54	3.693	3.693	0.0	99	146718	101.3	
49 Methacrylonitrile	41	3.776	3.776	0.0	92	53690	0	
56 Isobutyl alcohol	43	4.242	4.242	0.0	89	285376	0	
58 Tert-amyl methyl ether	73	4.263	4.263	0.0	91	253083	10.5	
59 n-Heptane	43	4.335	4.336	-0.001	94	116456	12.8	
141 2,4,4-Trimethyl-1-pentene	55	4.584	4.584	0.0	0	53812	10.3	
61 n-Butanol	56	4.740	4.729	0.011	88	162507	0	
140 2,4,4-Trimethyl-2-pentene	97	4.781	4.781	0.0	0	143742	10.2	
64 Methyl methacrylate	41	4.968	4.968	0.0	86	79111	9.22	
66 1,4-Dioxane	88	5.009	4.999	0.010	94	37047	413.7	
68 2-Nitropropane	43	5.310	5.310	0.0	98	102294	49.5	
70 Epichlorohydrin	57	5.403	5.393	0.010	98	224945	0	

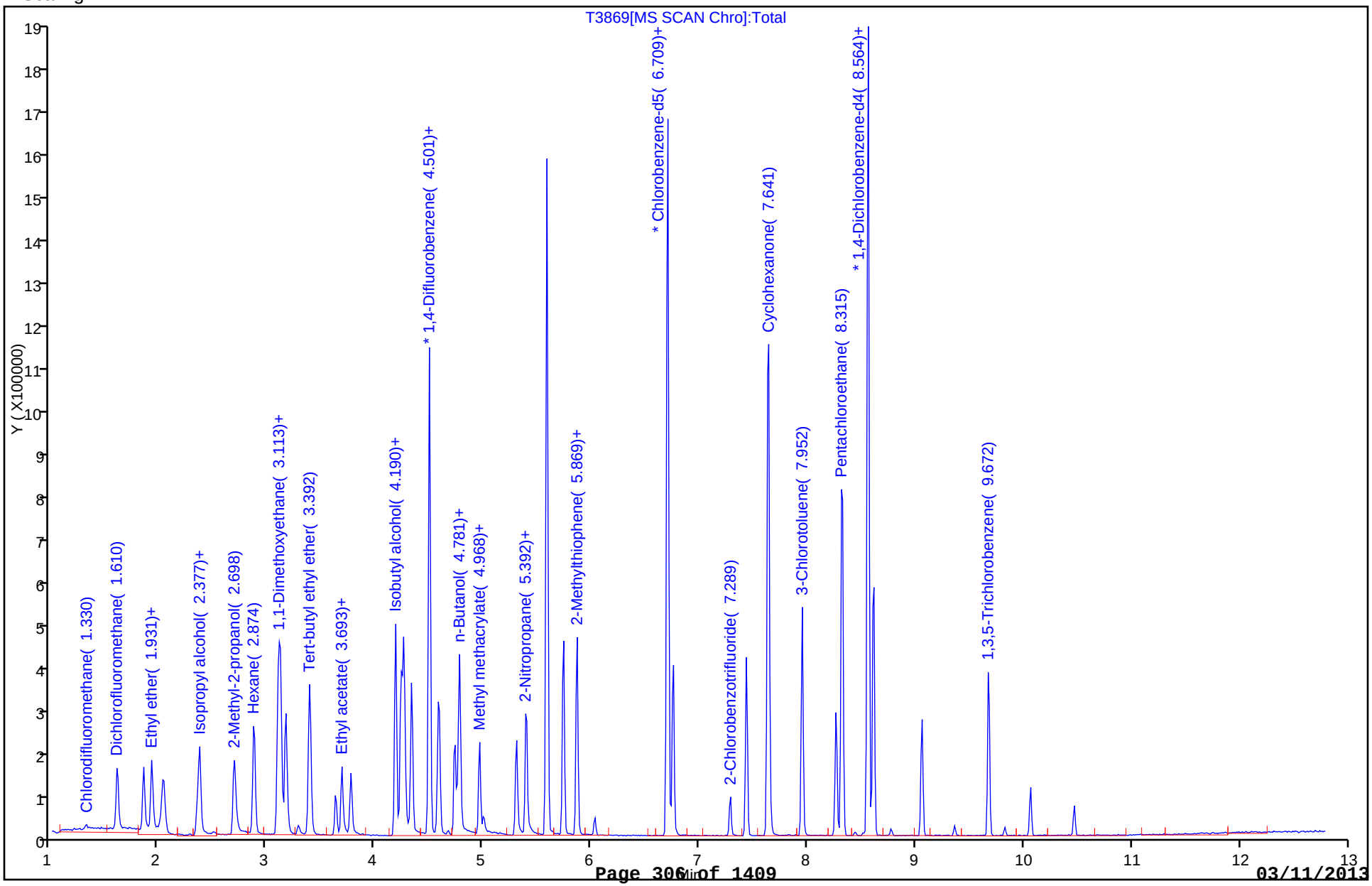
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
74 2-Methylthiophene	97	5.745	5.745	0.0	97	244191	0	
76 3-Methylthiophene	97	5.869	5.869	0.0	100	240671	0	
85 3-Chlorobenzotrifluoride	180	6.709	6.709	0.0	86	96569	0	
87 4-Chlorobenzotrifluoride	180	6.760	6.760	0.0	96	98783	0	
94 2-Chlorobenzotrifluoride	180	7.434	7.434	0.0	94	97345	0	
96 Cyclohexanone	55	7.631	7.631	0.0	83	113335	0	
103 3-Chlorotoluene	126	7.952	7.952	0.0	98	79191	0	
108 Pentachloroethane	167	8.263	8.263	0.0	81	35178	0	
112 Dicyclopentadiene	66	8.564	8.564	0.0	81	383080	0	
114 1,2,3-Trimethylbenzene	105	8.615	8.615	0.0	99	298628	0	
118 1,3,5-Trichlorobenzene	180	9.672	9.672	0.0	95	93174	0	

Report Date: 04-Dec-2012 11:56:15 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5975T\20121203-17185.b\T3869.D		
Injection Date:	03-Dec-2012 18:40:30	Limit Group:	MV - 8260MCP_RCP
Client ID:		Instrument ID:	HP5975T
Lims Batch ID:	93813	Lims Sample ID:	13
Operator ID:	LH	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\HP5975T\20121203-17185.b\T3870.D		
Lims ID:	IC 10	Client ID:	
Inject. Date:	03-Dec-2012 19:04:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	IC 10		
Misc. Info.:	480-0017185-014		
Operator:	LH	Instrument ID:	HP5975T
Purge Vol:	5.000 mL	ALS Bottle#:	55
Lims Batch ID:	93813	Lims Sample ID:	14
Sublist:	chrom-T-8260*sub30		
Detector:	MS SCAN		

Method:	\\Bufchrom\ChromData\HP5975T\20121203-17185.b\T-8260.m		
Last Update:	06-Dec-2012 02:12:12	Calib Date:	03-Dec-2012 21:04:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5975T\20121203-17185.b\T3875.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: HillL Date: 04-Dec-2012 11:56:18

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.501	4.501	0.0	95	645606	25.0	
* 2 Chlorobenzene-d5	117	6.709	6.709	0.0	86	574462	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.564	8.564	0.0	73	279286	25.0	
12 Chlorodifluoromethane	51	0.957	0.957	0.0	78	132142	0	
18 Dichlorofluoromethane	67	1.610	1.610	0.0	84	309799	0	
19 Ethyl ether	59	1.859	1.859	0.0	93	184633	25.8	
84 Propene oxide	58	1.931	1.931	0.0	94	261422	0	
26 Isopropyl alcohol	45	2.356	2.356	0.0	95	316088	0	
27 3-Chloro-1-propene	41	2.377	2.377	0.0	88	289093	26.3	
31 2-Methyl-2-propanol	59	2.698	2.698	0.0	100	623666	551.8	
35 Hexane	57	2.874	2.874	0.0	92	267354	0	
37 Isopropyl ether	45	3.102	3.102	0.0	93	653380	25.5	
38 2-Chloro-1,3-butadiene	53	3.123	3.123	0.0	91	304515	0	
139 Halothane	117	3.133	3.133	0.0	0	98882	25.1	
40 1,1-Dimethoxyethane	75	3.175	3.175	0.0	94	253162	0	
41 Tert-butyl ethyl ether	59	3.392	3.392	0.0	99	663731	25.0	
45 Ethyl acetate	43	3.631	3.631	0.0	99	231510	0	
46 Propionitrile	54	3.693	3.693	0.0	99	363195	245.4	
49 Methacrylonitrile	41	3.776	3.776	0.0	92	142015	0	
56 Isobutyl alcohol	43	4.242	4.242	0.0	91	753969	0	
58 Tert-amyl methyl ether	73	4.263	4.263	0.0	93	624518	25.2	
59 n-Heptane	43	4.336	4.336	0.0	91	290653	29.2	
141 2,4,4-Trimethyl-1-pentene	55	4.584	4.584	0.0	0	136459	25.6	
61 n-Butanol	56	4.729	4.729	0.0	88	373584	0	
140 2,4,4-Trimethyl-2-pentene	97	4.781	4.781	0.0	0	377671	26.2	
64 Methyl methacrylate	41	4.968	4.968	0.0	89	218426	24.9	
66 1,4-Dioxane	88	4.999	4.999	0.0	89	97245	1047.5	
68 2-Nitropropane	43	5.310	5.310	0.0	99	296482	112.9	
70 Epichlorohydrin	57	5.393	5.393	0.0	99	554352	0	

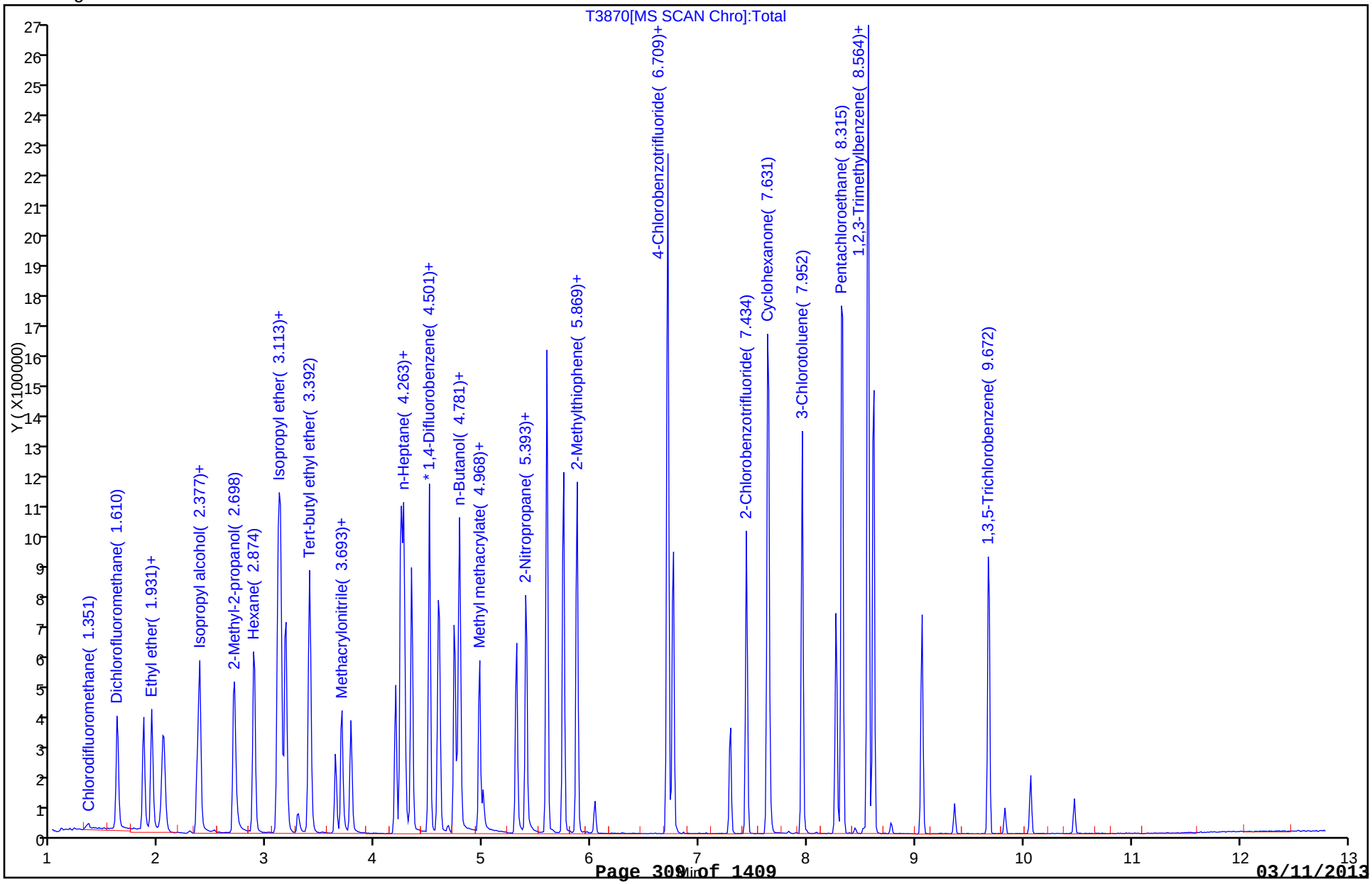
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
74 2-Methylthiophene	97	5.745	5.745	0.0	98	635856	0	
76 3-Methylthiophene	97	5.869	5.869	0.0	100	613231	0	
85 3-Chlorobenzotrifluoride	180	6.709	6.709	0.0	91	248549	0	
87 4-Chlorobenzotrifluoride	180	6.760	6.760	0.0	97	228697	0	
94 2-Chlorobenzotrifluoride	180	7.434	7.434	0.0	95	247234	0	
96 Cyclohexanone	55	7.631	7.631	0.0	94	320013	0	
103 3-Chlorotoluene	126	7.952	7.952	0.0	98	200989	0	
108 Pentachloroethane	167	8.263	8.263	0.0	84	91123	0	
112 Dicyclopentadiene	66	8.564	8.564	0.0	95	948056	0	
114 1,2,3-Trimethylbenzene	105	8.615	8.615	0.0	98	732599	0	
118 1,3,5-Trichlorobenzene	180	9.672	9.672	0.0	95	231134	0	

Report Date: 06-Dec-2012 02:12:12 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5975T\20121203-17185.b\T3870.D		
Injection Date:	03-Dec-2012 19:04:30	Limit Group:	MV - 8260MCP_RCP
Client ID:		Instrument ID:	HP5975T
Lims Batch ID:	93813	Lims Sample ID:	14
Operator ID:	LH	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\HP5975T\20121203-17185.b\T3871.D		
Lims ID:	IC 11	Client ID:	
Inject. Date:	03-Dec-2012 19:28:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	IC 11		
Misc. Info.:	480-0017185-015		
Operator:	LH	Instrument ID:	HP5975T
Purge Vol:	5.000 mL	ALS Bottle#:	56
Lims Batch ID:	93813	Lims Sample ID:	15
Sublist:	chrom-T-8260*sub30		
Detector:	MS SCAN		

Method:	\\Bufchrom\ChromData\HP5975T\20121203-17185.b\T-8260.m		
Last Update:	06-Dec-2012 02:11:50	Calib Date:	03-Dec-2012 21:04:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5975T\20121203-17185.b\T3875.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: HillL Date: 04-Dec-2012 11:56:20

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.501	4.501	0.0	95	646545	25.0	
* 2 Chlorobenzene-d5	117	6.709	6.709	0.0	84	580470	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.564	8.564	0.0	59	276539	25.0	
12 Chlorodifluoromethane	51	0.957	0.957	0.0	78	285087	0	
18 Dichlorofluoromethane	67	1.610	1.610	0.0	84	590259	0	
19 Ethyl ether	59	1.859	1.859	0.0	94	357982	49.9	
84 Propene oxide	58	1.931	1.931	0.0	95	532193	0	
26 Isopropyl alcohol	45	2.356	2.356	0.0	95	591324	0	
27 3-Chloro-1-propene	41	2.377	2.377	0.0	88	569826	51.8	
31 2-Methyl-2-propanol	59	2.698	2.698	0.0	100	1218096	1076.1	
35 Hexane	57	2.874	2.874	0.0	93	541891	0	
37 Isopropyl ether	45	3.102	3.102	0.0	93	1287151	50.1	
38 2-Chloro-1,3-butadiene	53	3.123	3.123	0.0	91	601949	0	
139 Halothane	117	3.133	3.133	0.0	0	195838	49.7	
40 1,1-Dimethoxyethane	75	3.175	3.175	0.0	94	513305	0	
41 Tert-butyl ethyl ether	59	3.392	3.392	0.0	98	1349025	50.8	
45 Ethyl acetate	43	3.631	3.631	0.0	99	467354	0	
46 Propionitrile	54	3.693	3.693	0.0	99	729080	491.9	
49 Methacrylonitrile	41	3.776	3.776	0.0	93	287784	0	
56 Isobutyl alcohol	43	4.242	4.242	0.0	93	1515374	0	
58 Tert-amyl methyl ether	73	4.263	4.263	0.0	95	1283819	51.8	
59 n-Heptane	43	4.336	4.336	0.0	91	563753	47.5	
141 2,4,4-Trimethyl-1-pentene	55	4.584	4.584	0.0	0	275757	51.6	
61 n-Butanol	56	4.729	4.729	0.0	87	771481	0	
140 2,4,4-Trimethyl-2-pentene	97	4.781	4.781	0.0	0	695781	48.1	
64 Methyl methacrylate	41	4.968	4.968	0.0	90	436173	49.7	
66 1,4-Dioxane	88	4.999	4.999	0.0	95	198742	2118.6	
68 2-Nitropropane	43	5.310	5.310	0.0	99	648753	231.7	
70 Epichlorohydrin	57	5.393	5.393	0.0	99	1122778	0	

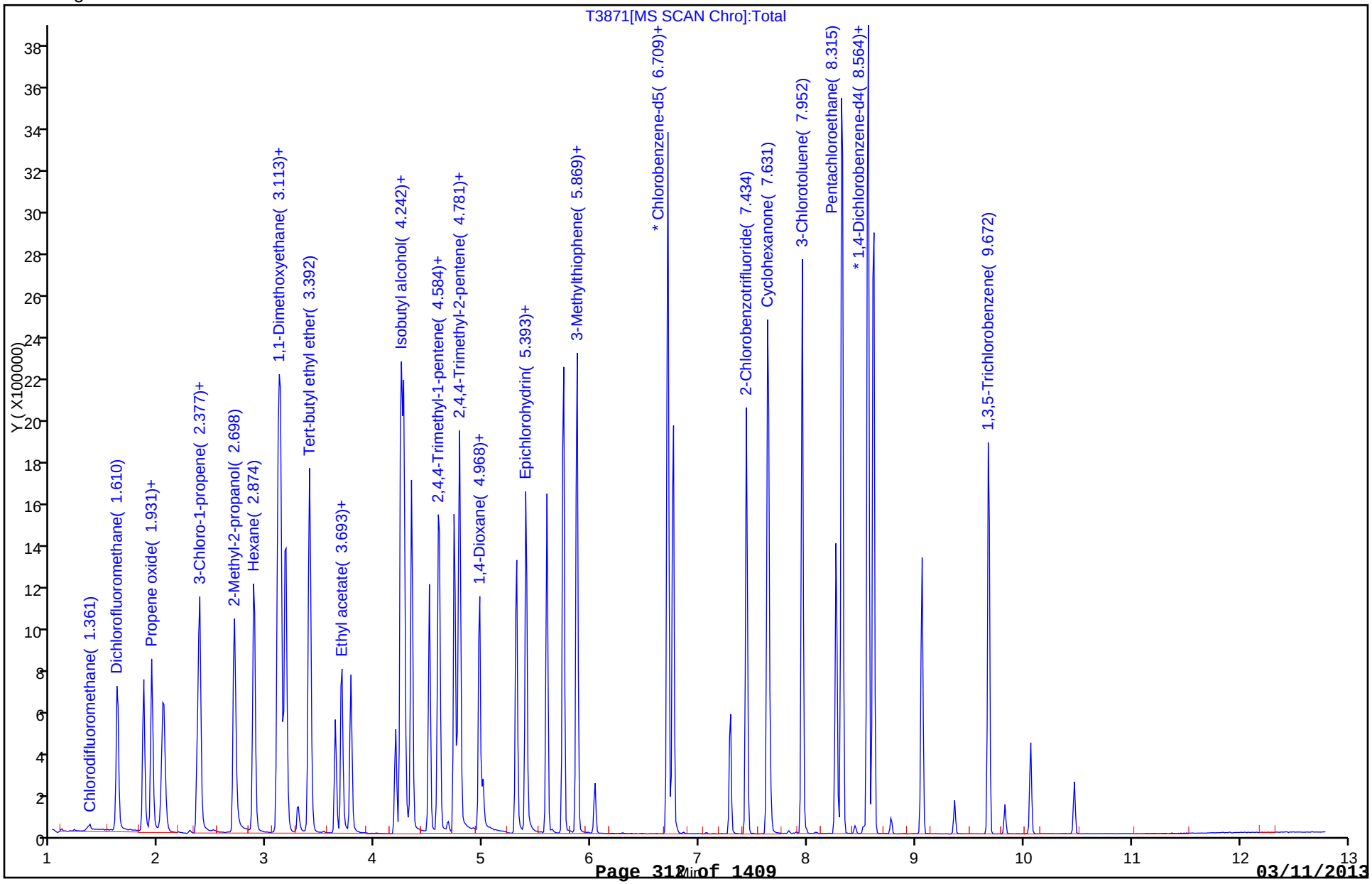
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
74 2-Methylthiophene	97	5.745	5.745	0.0	98	1205791	0	
76 3-Methylthiophene	97	5.869	5.869	0.0	99	1219693	0	
85 3-Chlorobenzotrifluoride	180	6.709	6.709	0.0	91	512383	0	
87 4-Chlorobenzotrifluoride	180	6.760	6.760	0.0	97	470676	0	
94 2-Chlorobenzotrifluoride	180	7.434	7.434	0.0	95	485362	0	
96 Cyclohexanone	55	7.631	7.631	0.0	93	665905	0	
103 3-Chlorotoluene	126	7.952	7.952	0.0	98	415561	0	
108 Pentachloroethane	167	8.263	8.263	0.0	86	182292	0	
112 Dicyclopentadiene	66	8.564	8.564	0.0	96	1909589	0	
114 1,2,3-Trimethylbenzene	105	8.615	8.615	0.0	98	1512156	0	
118 1,3,5-Trichlorobenzene	180	9.672	9.672	0.0	95	468045	0	

Report Date: 06-Dec-2012 02:11:51 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5975T\20121203-17185.b\T3871.D		
Injection Date:	03-Dec-2012 19:28:30	Limit Group:	MV - 8260MCP_RCP
Client ID:		Instrument ID:	HP5975T
Lims Batch ID:	93813	Lims Sample ID:	15
Operator ID:	LH	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\HP5975T\20121203-17185.b\T3872.D		
Lims ID:	IC 12	Client ID:	
Inject. Date:	03-Dec-2012 19:52:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	6
Sample ID:	IC 12		
Misc. Info.:	480-0017185-016		
Operator:	LH	Instrument ID:	HP5975T
Purge Vol:	5.000 mL	ALS Bottle#:	57
Lims Batch ID:	93813	Lims Sample ID:	16
Sublist:	chrom-T-8260*sub30		
Detector:	MS SCAN		

Method:	\\Bufchrom\ChromData\HP5975T\20121203-17185.b\T-8260.m		
Last Update:	06-Dec-2012 02:11:30	Calib Date:	03-Dec-2012 21:04:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5975T\20121203-17185.b\T3875.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: HillL Date: 04-Dec-2012 11:56:23

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.501	4.501	0.0	95	632644	25.0	
* 2 Chlorobenzene-d5	117	6.709	6.709	0.0	84	572766	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.564	8.564	0.0	50	269101	25.0	
12 Chlorodifluoromethane	51	0.957	0.957	0.0	79	713021	0	
18 Dichlorofluoromethane	67	1.610	1.610	0.0	84	1249376	0	
19 Ethyl ether	59	1.859	1.859	0.0	94	720091	102.6	
84 Propene oxide	58	1.931	1.931	0.0	95	935743	0	
26 Isopropyl alcohol	45	2.356	2.356	0.0	93	810588	0	
27 3-Chloro-1-propene	41	2.377	2.377	0.0	88	1159900	107.8	
31 2-Methyl-2-propanol	59	2.698	2.698	0.0	99	1642046	1482.5	
35 Hexane	57	2.874	2.874	0.0	92	1226391	0	
37 Isopropyl ether	45	3.102	3.102	0.0	94	2614765	104.1	
38 2-Chloro-1,3-butadiene	53	3.123	3.123	0.0	92	1294288	0	
139 Halothane	117	3.133	3.133	0.0	0	412550	107.1	
40 1,1-Dimethoxyethane	75	3.175	3.175	0.0	95	915103	0	
41 Tert-butyl ethyl ether	59	3.392	3.392	0.0	98	2833728	109.1	
45 Ethyl acetate	43	3.631	3.631	0.0	99	956823	0	
46 Propionitrile	54	3.693	3.693	0.0	99	1483179	1022.7	
49 Methacrylonitrile	41	3.776	3.776	0.0	92	573535	0	
56 Isobutyl alcohol	43	4.242	4.242	0.0	94	2635060	0	
58 Tert-amyl methyl ether	73	4.263	4.263	0.0	94	2631528	108.5	
59 n-Heptane	43	4.335	4.336	-0.001	92	1778666	100.2	
141 2,4,4-Trimethyl-1-pentene	55	4.584	4.584	0.0	0	562857	107.6	
61 n-Butanol	56	4.729	4.729	0.0	87	1242524	0	
140 2,4,4-Trimethyl-2-pentene	97	4.781	4.781	0.0	0	1609219	113.8	
64 Methyl methacrylate	41	4.968	4.968	0.0	91	895281	104.2	
66 1,4-Dioxane	88	4.999	4.999	0.0	88	345450	3732.0	
68 2-Nitropropane	43	5.310	5.310	0.0	99	1445901	511.8	
70 Epichlorohydrin	57	5.392	5.393	-0.001	98	2312378	0	

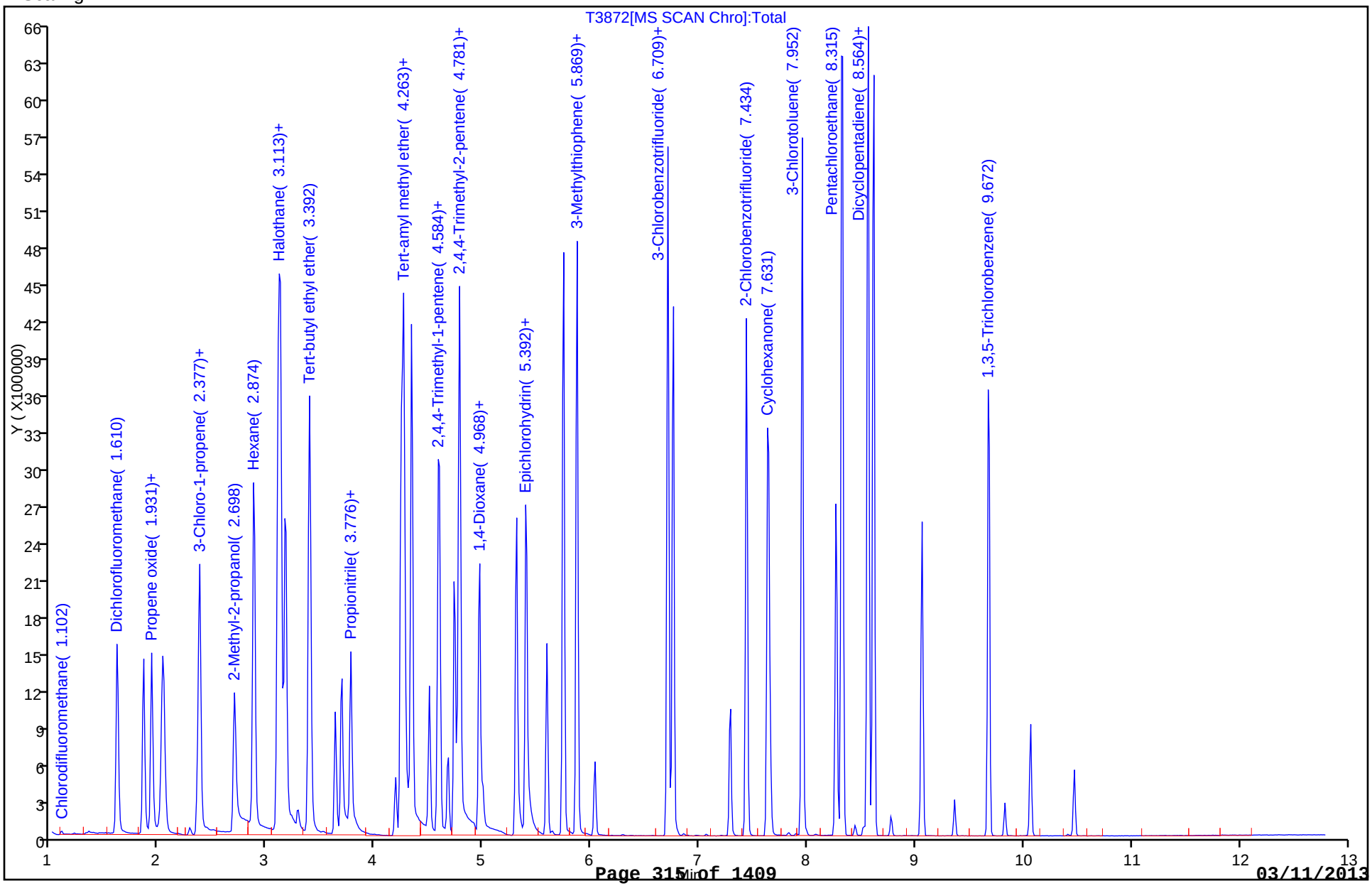
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
74 2-Methylthiophene	97	5.745	5.745	0.0	98	2550195	0	
76 3-Methylthiophene	97	5.869	5.869	0.0	100	2550530	0	
85 3-Chlorobenzotrifluoride	180	6.709	6.709	0.0	93	1106160	0	
87 4-Chlorobenzotrifluoride	180	6.760	6.760	0.0	97	1029872	0	
94 2-Chlorobenzotrifluoride	180	7.434	7.434	0.0	95	1033192	0	
96 Cyclohexanone	55	7.631	7.631	0.0	94	1215861	0	
103 3-Chlorotoluene	126	7.952	7.952	0.0	98	865302	0	
108 Pentachloroethane	167	8.263	8.263	0.0	87	364155	0	
112 Dicyclopentadiene	66	8.564	8.564	0.0	96	3914488	0	
114 1,2,3-Trimethylbenzene	105	8.615	8.615	0.0	98	3055660	0	
118 1,3,5-Trichlorobenzene	180	9.683	9.672	0.011	98	939857	0	

Report Date: 06-Dec-2012 02:11:30 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5975T\20121203-17185.b\T3872.D		
Injection Date:	03-Dec-2012 19:52:30	Limit Group:	MV - 8260MCP_RCP
Client ID:		Instrument ID:	HP5975T
Lims Batch ID:	93813	Lims Sample ID:	16
Operator ID:	LH	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.: 480-30106-1

SDG No.:

Lab Sample ID: CCVIS 480-96317/2 Calibration Date: 12/18/2012 10:04

Instrument ID: HP5975T Calib Start Date: 12/03/2012 13:54

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/03/2012 13:54

Lab File ID: T4474.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	0.2257	0.2009		22.3	25.0	-11.0	
Chloromethane	Ave	0.3091	0.2640		21.3	25.0	-14.6	
Vinyl chloride	Lin1		0.2722		22.1	25.0	-11.6	
Bromomethane	Lin1		0.1587		23.6	25.0	-5.7	
Chloroethane	Ave	0.1972	0.1634		20.7	25.0	-17.2	
Trichlorofluoromethane	Lin1		0.3610		29.3	25.0	17.1	
Acrolein	Ave	0.0495	0.0457		461	500	-7.7	
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.2166	0.2305		26.6	25.0	6.4	
1,1-Dichloroethene	Ave	0.2236	0.2374		26.5	25.0	6.2	
Acetone	Ave	0.0977	0.0927		119	125	-5.2	
Iodomethane	Ave	0.2893	0.3107		26.8	25.0	7.4	
Carbon disulfide	Ave	0.7489	0.6682		22.3	25.0	-10.8	
Methyl acetate	Ave	0.3252	0.2899		22.3	25.0	-10.9	
Acetonitrile	Ave	0.0224	0.0225		1010	1000	0.6	
Methylene Chloride	Lin1		0.2832		23.2	25.0	-7.2	
trans-1,2-Dichloroethene	Ave	0.2762	0.2810		25.4	25.0	1.7	
Methyl tert-butyl ether	Ave	0.9452	0.8658		22.9	25.0	-8.4	
Acrylonitrile	Ave	0.1310	0.1286		123	125	-1.8	
1,1-Dichloroethane	Ave	0.5170	0.4955		24.0	25.0	-4.2	
Vinyl acetate	Ave	0.6568	0.6199		118	125	-5.6	
2,2-Dichloropropane	Ave	0.2250	0.2372		26.4	25.0	5.4	
cis-1,2-Dichloroethene	Ave	0.3128	0.2990		23.9	25.0	-4.4	
2-Butanone (MEK)	Ave	0.1807	0.1778		123	125	-1.6	
Chlorobromomethane	Ave	0.1549	0.1555		25.1	25.0	0.4	
Tetrahydrofuran	Ave	0.1140	0.1023		112	125	-10.2	
Chloroform	Ave	0.5064	0.5174		25.5	25.0	2.2	
Cyclohexane	Ave	0.4806	0.4657		24.2	25.0	-3.1	
1,1,1-Trichloroethane	Ave	0.3903	0.4437		28.4	25.0	13.7	
Carbon tetrachloride	Ave	0.3185	0.3720		29.2	25.0	16.8	
1,1-Dichloropropene	Ave	0.3809	0.3949		25.9	25.0	3.7	
Benzene	Ave	1.182	1.106		23.4	25.0	-6.4	
1,2-Dichloroethane	Ave	0.4117	0.4380		26.6	25.0	6.4	
Trichloroethene	Ave	0.2936	0.3027		25.8	25.0	3.1	
Methylcyclohexane	Ave	0.4762	0.4705		24.7	25.0	-1.2	
1,2-Dichloropropane	Ave	0.3088	0.2854		23.1	25.0	-7.6	
Dibromomethane	Ave	0.1974	0.2100		26.6	25.0	6.4	
Dichlorobromomethane	Ave	0.3739	0.3783		25.3	25.0	1.2	
2-Chloroethyl vinyl ether	Ave	0.2395	0.2210		115	125	-7.7	
cis-1,3-Dichloropropene	Ave	0.4623	0.4371		23.6	25.0	-5.4	
4-Methyl-2-pentanone (MIBK)	Ave	0.4435	0.4192		118	125	-5.5	

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-30106-1

SDG No.:

Lab Sample ID: CCVIS 480-96317/2 Calibration Date: 12/18/2012 10:04

Instrument ID: HP5975T Calib Start Date: 12/03/2012 13:54

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/03/2012 13:54

Lab File ID: T4474.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	0.8428	0.7867		23.3	25.0	-6.7	
trans-1,3-Dichloropropene	Lin1		0.4310		20.6	25.0	-17.5	
Ethyl methacrylate	Ave	0.5127	0.4455		21.7	25.0	-13.1	
1,1,2-Trichloroethane	Ave	0.2684	0.2602		24.2	25.0	-3.1	
Tetrachloroethene	Ave	0.3132	0.3338		26.6	25.0	6.6	
1,3-Dichloropropane	Ave	0.5451	0.5121		23.5	25.0	-6.1	
2-Hexanone	Ave	0.3163	0.3100		123	125	-2.0	
Chlorodibromomethane	Lin1		0.2789		21.0	25.0	-15.9	
Ethylene Dibromide	Ave	0.3235	0.3186		24.6	25.0	-1.5	
Chlorobenzene	Ave	0.8927	0.8562		24.0	25.0	-4.1	
1,1,1,2-Tetrachloroethane	Ave	0.2958	0.2953		25.0	25.0	-0.2	
Ethylbenzene	Ave	1.561	1.534		24.6	25.0	-1.7	
m-Xylene & p-Xylene	Ave	0.5949	0.5879		49.4	50.0	-1.2	
o-Xylene	Ave	0.5953	0.5610		23.6	25.0	-5.8	
Styrene	Ave	1.018	0.9919		24.4	25.0	-2.5	
Bromoform	Lin1		0.1617		19.8	25.0	-20.8	
Isopropylbenzene	Ave	3.055	3.277		26.8	25.0	7.3	
Bromobenzene	Ave	0.7336	0.7851		26.8	25.0	7.0	
1,1,2,2-Tetrachloroethane	Ave	0.9244	0.9580		25.9	25.0	3.6	
N-Propylbenzene	Ave	3.707	3.924		26.5	25.0	5.9	
1,2,3-Trichloropropane	Ave	0.2848	0.2987		26.2	25.0	4.9	
trans-1,4-Dichloro-2-butene	Lin1		0.1979		113	125	-9.4	
2-Chlorotoluene	Ave	0.7039	0.7268		25.8	25.0	3.3	
1,3,5-Trimethylbenzene	Ave	2.464	2.678		27.2	25.0	8.7	
4-Chlorotoluene	Ave	2.568	2.706		26.3	25.0	5.4	
tert-Butylbenzene	Ave	0.4964	0.5375		27.1	25.0	8.3	
1,2,4-Trimethylbenzene	Ave	2.499	2.708		27.1	25.0	8.4	
sec-Butylbenzene	Ave	3.082	3.409		27.6	25.0	10.6	
1,3-Dichlorobenzene	Ave	1.374	1.460		26.6	25.0	6.2	
4-Isopropyltoluene	Ave	2.495	2.720		27.3	25.0	9.0	
1,4-Dichlorobenzene	Ave	1.423	1.495		26.3	25.0	5.1	
n-Butylbenzene	Ave	2.329	2.521		27.1	25.0	8.2	
1,2-Dichlorobenzene	Ave	1.293	1.374		26.6	25.0	6.3	
1,2-Dibromo-3-Chloropropane	Ave	0.1411	0.1538		27.2	25.0	9.0	
1,2,4-Trichlorobenzene	Ave	0.7153	0.7647		26.7	25.0	6.9	
Hexachlorobutadiene	Ave	0.2996	0.3775		31.5	25.0	26.0	
Naphthalene	Ave	2.223	2.265		25.5	25.0	1.9	
1,2,3-Trichlorobenzene	Ave	0.6211	0.6481		26.1	25.0	4.3	
1,2-Dichloroethane-d4 (Surr)	Ave	0.3466	0.4221		30.4	25.0	21.8	
Toluene-d8 (Surr)	Ave	1.134	1.313		28.9	25.0	15.8	
4-Bromofluorobenzene (Surr)	Ave	0.3350	0.3953		29.5	25.0	18.0	

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5975T\20121218-17648.b\T4474.D		
Lims ID:	CCVIS	Client ID:	
Inject. Date:	18-Dec-2012 10:04:30	Dil. Factor:	1.0000
Sample Type:	CCVIS		
Sample ID:	CCVIS		
Misc. Info.:	480-0017648-002		
Operator:	LH	Instrument ID:	HP5975T
Purge Vol:	5.000 mL	ALS Bottle#:	26
Lims Batch ID:	96317	Lims Sample ID:	2
Sublist:	chrom-T-8260*sub3		
Detector:	MS SCAN		

Method:	\\Bufchrom\ChromData\HP5975T\20121218-17648.b\T-8260.m		
Last Update:	18-Dec-2012 10:24:23	Calib Date:	03-Dec-2012 21:04:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5975T\20121203-17185.b\T3875.D		
Limit Group:	MV - 8260MCP_RCP		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	ZB-624	Column Dia:	0.25 mm
Process Host:	XAWRK005		

First Level Reviewer: HillL Date: 18-Dec-2012 10:24:23

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.501	4.501	0.0	95	594415	25.0	
* 2 Chlorobenzene-d5	117	6.709	6.709	0.0	86	556466	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.563	8.563	0.0	74	256704	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	65	4.190	4.190	0.0	0	250899	30.4	
$ 6 Toluene-d8 (Surr)	98	5.589	5.589	0.0	91	730763	28.9	
$ 7 4-Bromofluorobenzene (Surr)	174	7.641	7.641	0.0	88	219947	29.5	
11 Dichlorodifluoromethane	85	0.936	0.936	0.0	87	119427	22.3	
13 Chloromethane	50	1.061	1.061	0.0	99	156916	21.3	
14 Vinyl chloride	62	1.133	1.133	0.0	84	161777	22.1	
15 Bromomethane	94	1.372	1.372	0.0	93	94344	23.6	
16 Chloroethane	64	1.444	1.444	0.0	94	97105	20.7	
17 Trichlorofluoromethane	101	1.620	1.620	0.0	85	214607	29.3	
21 Acrolein	56	2.014	2.014	0.0	97	543186	461.4	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.035	2.035	0.0	86	137004	26.6	
22 1,1-Dichloroethene	96	2.035	2.035	0.0	87	141111	26.5	
23 Acetone	43	2.169	2.169	0.0	98	275433	118.6	
24 Iodomethane	142	2.180	2.180	0.0	88	184701	26.8	
25 Carbon disulfide	76	2.201	2.201	0.0	99	397167	22.3	
28 Methyl acetate	43	2.439	2.439	0.0	97	172299	22.3	
29 Acetonitrile	40	2.449	2.449	0.0	99	534507	1005.7	
30 Methylene Chloride	84	2.501	2.501	0.0	88	168323	23.2	
32 trans-1,2-Dichloroethene	96	2.698	2.698	0.0	94	167010	25.4	
33 Methyl tert-butyl ether	73	2.708	2.708	0.0	92	514616	22.9	
34 Acrylonitrile	53	2.781	2.781	0.0	99	382229	122.8	
36 1,1-Dichloroethane	63	3.071	3.071	0.0	85	294552	24.0	
39 Vinyl acetate	43	3.144	3.144	0.0	98	1842453	118.0	
42 2,2-Dichloropropane	77	3.517	3.517	0.0	91	140973	26.4	
43 cis-1,2-Dichloroethene	96	3.548	3.548	0.0	67	177754	23.9	
44 2-Butanone (MEK)	43	3.600	3.600	0.0	100	528461	123.0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
47 Chlorobromomethane	128	3.745	3.745	0.0	92	92434	25.1	
48 Tetrahydrofuran	42	3.765	3.765	0.0	87	304162	112.2	
50 Chloroform	83	3.807	3.807	0.0	83	307546	25.5	
52 Cyclohexane	56	3.890	3.890	0.0	92	276817	24.2	
51 1,1,1-Trichloroethane	97	3.900	3.900	0.0	93	263714	28.4	
53 Carbon tetrachloride	117	4.004	4.004	0.0	79	221112	29.2	
54 1,1-Dichloropropene	75	4.014	4.014	0.0	90	234725	25.9	
55 Benzene	78	4.190	4.190	0.0	95	657539	23.4	
57 1,2-Dichloroethane	62	4.242	4.242	0.0	92	260378	26.6	
60 Trichloroethene	95	4.677	4.677	0.0	93	179897	25.8	
62 Methylcyclohexane	83	4.760	4.760	0.0	93	279650	24.7	
63 1,2-Dichloropropane	63	4.864	4.864	0.0	87	169628	23.1	
65 Dibromomethane	93	4.968	4.968	0.0	85	124799	26.6	
67 Dichlorobromomethane	83	5.092	5.092	0.0	92	224843	25.3	
69 2-Chloroethyl vinyl ether	63	5.320	5.320	0.0	92	656844	115.4	
71 cis-1,3-Dichloropropene	75	5.423	5.423	0.0	87	259837	23.6	
72 4-Methyl-2-pentanone (MIBK)	43	5.548	5.548	0.0	97	1166264	118.1	
73 Toluene	92	5.641	5.641	0.0	96	437790	23.3	
75 trans-1,3-Dichloropropene	75	5.859	5.859	0.0	94	239809	20.6	
77 Ethyl methacrylate	69	5.900	5.900	0.0	89	247919	21.7	
78 1,1,2-Trichloroethane	83	6.004	6.004	0.0	89	144783	24.2	
79 Tetrachloroethene	166	6.035	6.035	0.0	85	185740	26.6	
80 1,3-Dichloropropane	76	6.118	6.118	0.0	94	284942	23.5	
81 2-Hexanone	43	6.190	6.190	0.0	97	862593	122.5	
82 Chlorodibromomethane	129	6.294	6.294	0.0	88	155210	21.0	
83 Ethylene Dibromide	107	6.367	6.367	0.0	98	177288	24.6	
86 Chlorobenzene	112	6.729	6.729	0.0	87	476419	24.0	
89 1,1,1,2-Tetrachloroethane	131	6.802	6.802	0.0	41	164331	25.0	
88 Ethylbenzene	91	6.802	6.802	0.0	98	853512	24.6	
90 m-Xylene & p-Xylene	106	6.885	6.885	0.0	99	654290	49.4	
91 o-Xylene	106	7.206	7.206	0.0	98	312167	23.6	
92 Styrene	104	7.227	7.227	0.0	96	551975	24.4	
93 Bromoform	173	7.403	7.403	0.0	93	89977	19.8	
95 Isopropylbenzene	105	7.486	7.486	0.0	97	841263	26.8	
97 Bromobenzene	156	7.755	7.755	0.0	97	201529	26.8	
98 1,1,2,2-Tetrachloroethane	83	7.797	7.797	0.0	82	245925	25.9	
99 N-Propylbenzene	91	7.817	7.817	0.0	99	1007242	26.5	
100 1,2,3-Trichloropropane	110	7.828	7.828	0.0	76	76684	26.2	
101 trans-1,4-Dichloro-2-butene	53	7.838	7.838	0.0	85	253990	113.3	
105 2-Chlorotoluene	126	7.900	7.900	0.0	95	186571	25.8	
104 1,3,5-Trimethylbenzene	105	7.962	7.962	0.0	95	687460	27.2	
102 4-Chlorotoluene	91	7.994	7.994	0.0	99	694609	26.3	
106 tert-Butylbenzene	134	8.222	8.222	0.0	92	137982	27.1	
107 1,2,4-Trimethylbenzene	105	8.263	8.263	0.0	97	695211	27.1	
109 sec-Butylbenzene	105	8.398	8.398	0.0	95	875021	27.6	
110 1,3-Dichlorobenzene	146	8.501	8.501	0.0	95	374736	26.6	
111 4-Isopropyltoluene	119	8.522	8.522	0.0	97	698203	27.3	
113 1,4-Dichlorobenzene	146	8.584	8.584	0.0	94	383762	26.3	
115 n-Butylbenzene	91	8.854	8.854	0.0	98	647033	27.1	
116 1,2-Dichlorobenzene	146	8.885	8.885	0.0	93	352813	26.6	
117 1,2-Dibromo-3-Chloropropane	75	9.558	9.558	0.0	73	39477	27.2	
119 1,2,4-Trichlorobenzene	180	10.201	10.201	0.0	93	196313	26.7	

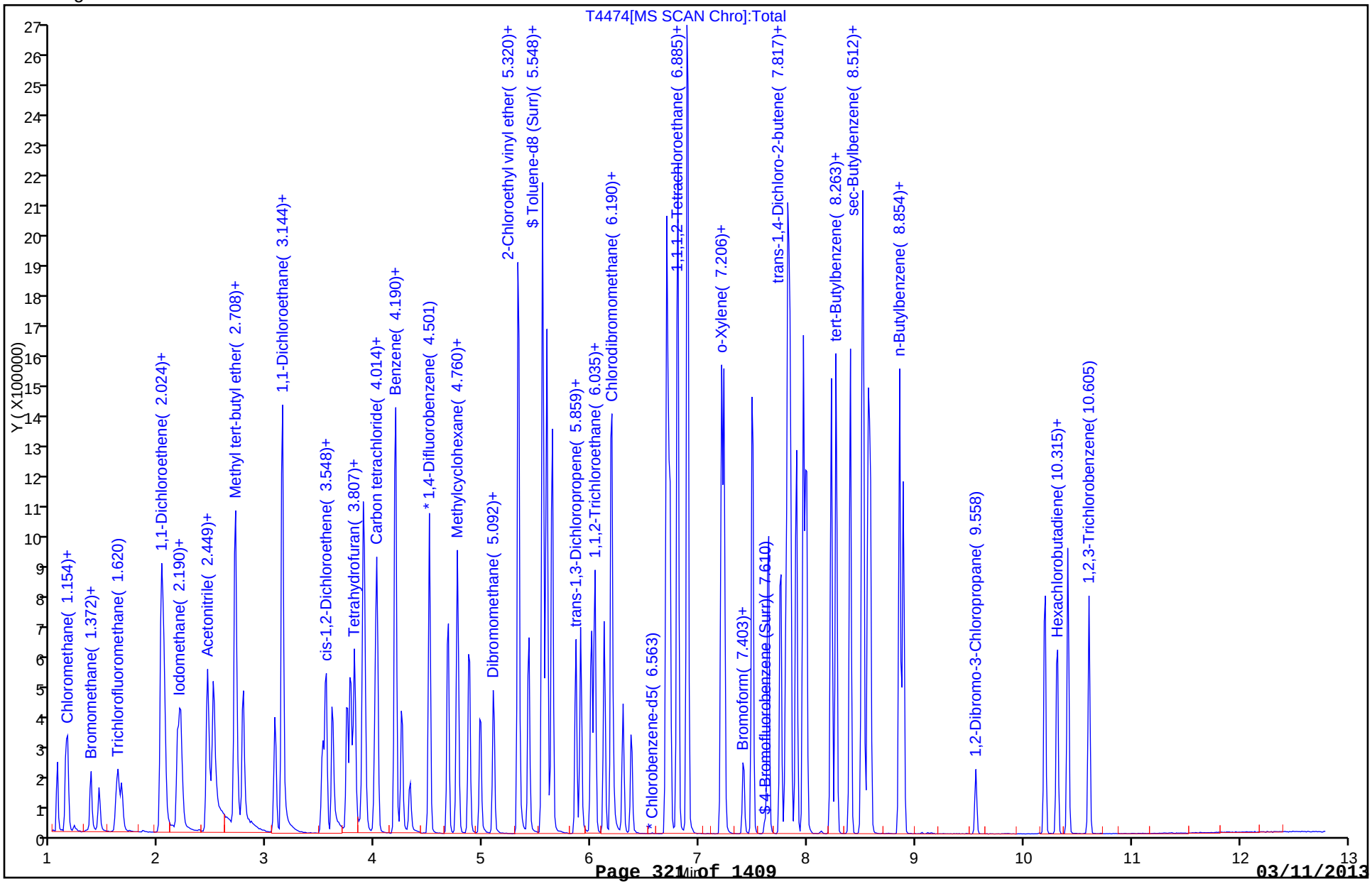
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
120 Hexachlorobutadiene	225	10.315	10.315	0.0	95	96898	31.5	
121 Naphthalene	128	10.408	10.408	0.0	98	581366	25.5	
122 1,2,3-Trichlorobenzene	180	10.605	10.605	0.0	92	166360	26.1	
S 125 Total BTEX	1				0		144.3	
S 126 Xylenes, Total	1				0		73.0	
S 123 1,3-Dichloropropene, Total	1				0		44.3	
S 124 1,2-Dichloroethene, Total	1				0		49.3	

Report Date: 18-Dec-2012 10:24:24 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5975T\20121218-17648.b\T4474.D		
Injection Date:	18-Dec-2012 10:04:30	Limit Group:	MV - 8260MCP_RCP
Client ID:		Instrument ID:	HP5975T
Lims Batch ID:	96317	Lims Sample ID:	2
Operator ID:	LH	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.: 480-30106-1

SDG No.:

Lab Sample ID: CCV 480-96317/3 Calibration Date: 12/18/2012 10:41

Instrument ID: HP5975T Calib Start Date: 12/03/2012 13:54

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/03/2012 13:54

Lab File ID: T4475.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	0.3466	0.3961		28.6	25.0	14.3	
Toluene-d8 (Surr)	Ave	1.134	1.295		28.5	25.0	14.2	
4-Bromofluorobenzene (Surr)	Ave	0.3350	0.4073		30.4	25.0	21.6	

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5975T\20121218-17648.b\T4475.D		
Lims ID:	CCV	Client ID:	
Inject. Date:	18-Dec-2012 10:41:30	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	CCV		
Misc. Info.:	480-0017648-003		
Operator:	LH	Instrument ID:	HP5975T
Purge Vol:	5.000 mL	ALS Bottle#:	27
Lims Batch ID:	96317	Lims Sample ID:	3
Sublist:	chrom-T-8260*sub32		
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5975T\20121218-17648.b\T-8260.m		
Last Update:	18-Dec-2012 12:32:21	Calib Date:	03-Dec-2012 21:04:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5975T\20121203-17185.b\T3875.D		
Limit Group:	MV - 8260MCP_RCP		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	ZB-624	Column Dia:	0.25 mm
Process Host:	XAWRK005		

First Level Reviewer: HillL Date: 18-Dec-2012 12:32:21

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.501	4.501	0.0	95	628776	25.0	
* 2 Chlorobenzene-d5	117	6.709	6.709	0.0	88	566057	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.564	8.564	0.0	75	270309	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	65	4.191	4.191	0.0	0	249086	28.6	
$ 6 Toluene-d8 (Surr)	98	5.590	5.590	0.0	93	733045	28.5	
$ 7 4-Bromofluorobenzene (Surr)	174	7.641	7.641	0.0	84	230525	30.4	
12 Chlorodifluoromethane	51	0.957	0.957	0.0	98	158962	0	
18 Dichlorofluoromethane	67	1.610	1.610	0.0	83	267737	0	
19 Ethyl ether	59	1.859	1.859	0.0	92	167385	24.0	
84 Propene oxide	58	1.931	1.931	0.0	95	236517	0	
26 Isopropyl alcohol	45	2.356	2.356	0.0	93	290881	0	
27 3-Chloro-1-propene	41	2.377	2.377	0.0	85	291859	27.3	
31 2-Methyl-2-propanol	59	2.698	2.698	0.0	98	582031	528.7	
35 Hexane	57	2.874	2.874	0.0	94	262543	0	
37 Isopropyl ether	45	3.102	3.102	0.0	93	602202	24.1	
38 2-Chloro-1,3-butadiene	53	3.123	3.123	0.0	93	299661	0	
139 Halothane	117	3.134	3.134	0.0	0	87590	22.9	
40 1,1-Dimethoxyethane	75	3.175	3.175	0.0	93	218446	0	
41 Tert-butyl ethyl ether	59	3.393	3.393	0.0	98	606645	23.5	
45 Ethyl acetate	43	3.631	3.631	0.0	99	222081	0	
46 Propionitrile	54	3.693	3.693	0.0	98	359705	249.6	
49 Methacrylonitrile	41	3.776	3.776	0.0	92	135486	0	
56 Isobutyl alcohol	43	4.242	4.242	0.0	90	725904	0	
58 Tert-amyl methyl ether	73	4.263	4.263	0.0	90	559438	23.2	
59 n-Heptane	43	4.336	4.336	0.0	90	319474	32.1	
141 2,4,4-Trimethyl-1-pentene	55	4.584	4.584	0.0	0	124420	23.9	
61 n-Butanol	56	4.729	4.729	0.0	90	442799	0	
140 2,4,4-Trimethyl-2-pentene	97	4.781	4.781	0.0	0	360593	25.6	
64 Methyl methacrylate	41	4.968	4.968	0.0	88	203820	23.9	

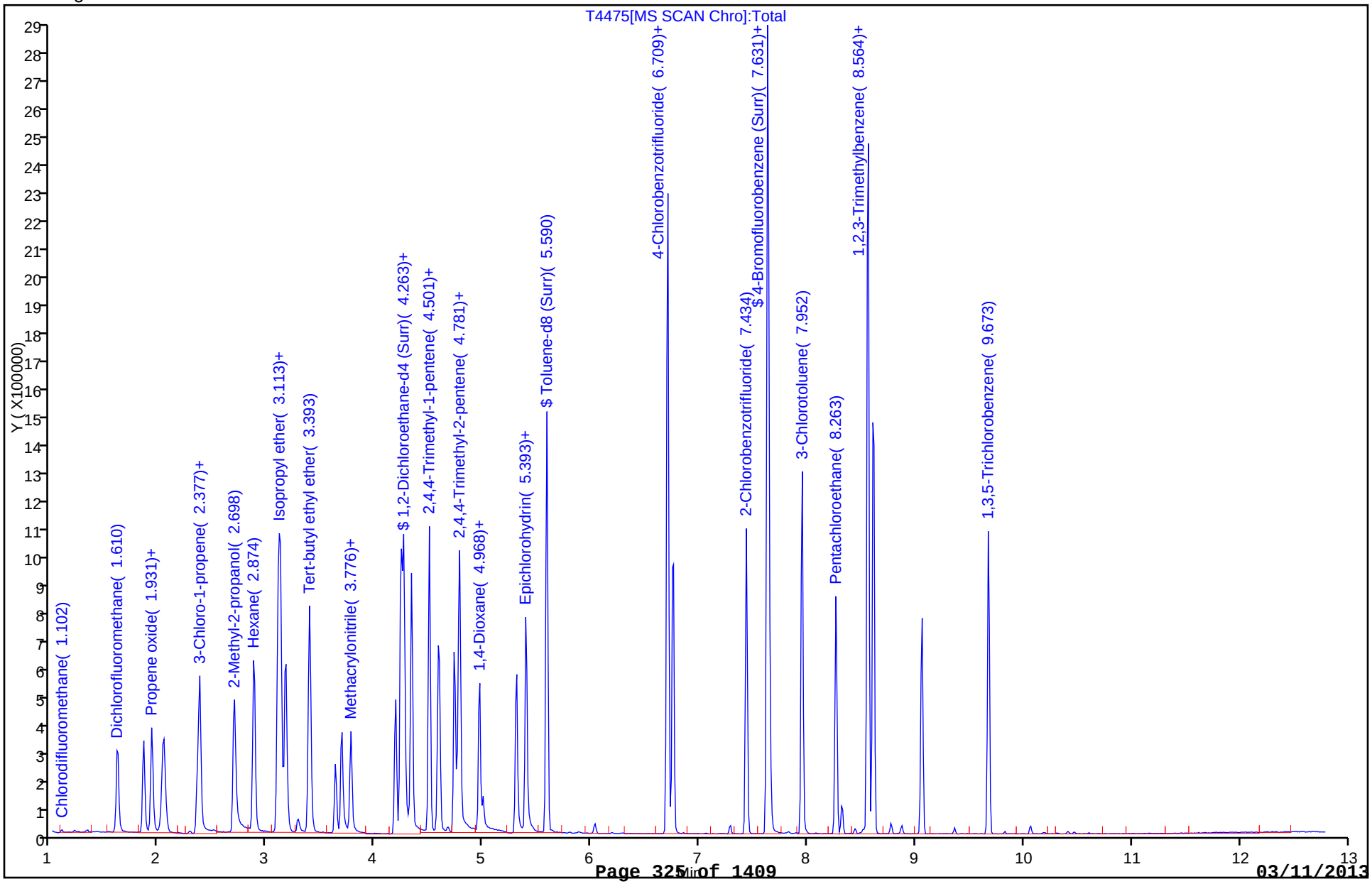
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
66 1,4-Dioxane	88	4.999	4.999	0.0	90	98297	1074.5	
68 2-Nitropropane	43	5.310	5.310	0.0	100	282719	111.5	
70 Epichlorohydrin	57	5.393	5.393	0.0	98	553645	0	
85 3-Chlorobenzotrifluoride	180	6.709	6.709	0.0	91	266579	0	
87 4-Chlorobenzotrifluoride	180	6.761	6.761	0.0	96	261348	0	
94 2-Chlorobenzotrifluoride	180	7.434	7.434	0.0	94	260817	0	
96 Cyclohexanone	55	7.631	7.631	0.0	93	783673	0	
103 3-Chlorotoluene	126	7.952	7.952	0.0	98	207193	0	
108 Pentachloroethane	167	8.263	8.263	0.0	81	104365	0	
112 Dicyclopentadiene	66	8.564	8.564	0.0	95	890212	0	
114 1,2,3-Trimethylbenzene	105	8.605	8.605	0.0	98	781668	0	
118 1,3,5-Trichlorobenzene	180	9.673	9.673	0.0	96	257885	0	

Report Date: 18-Dec-2012 12:32:21 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5975T\20121218-17648.b\T4475.D		
Injection Date:	18-Dec-2012 10:41:30	Limit Group:	MV - 8260MCP_RCP
Client ID:		Instrument ID:	HP5975T
Lims Batch ID:	96317	Lims Sample ID:	3
Operator ID:	LH	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.: 480-30106-1

SDG No.:

Lab Sample ID: CCV 480-96317/3 Calibration Date: 12/18/2012 10:41

Instrument ID: HP5975T Calib Start Date: 12/03/2012 17:52

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/03/2012 17:52

Lab File ID: T4475.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	0.2774	0.2662		24.0	25.0	-4.0	
3-Chloro-1-propene	Ave	0.4252	0.4642		27.3	25.0	9.2	
2-Methyl-2-propanol	Ave	0.0438	0.0463		529	500	5.7	
Isopropyl ether	Ave	0.9930	0.9577		24.1	25.0	-3.5	
Halothane	Ave	0.1523	0.1393		22.9	25.0	-8.5	
Tert-butyl ethyl ether	Ave	1.027	0.9648		23.5	25.0	-6.0	
Propionitrile	Ave	0.0573	0.0572		250	250	-0.2	
Tert-amyl methyl ether	Ave	0.9580	0.8897		23.2	25.0	-7.1	
n-Heptane	Qua		0.5081		32.1	25.0	28.3	
2,4,4-Trimethyl-1-pentene	Ave	0.2067	0.1979		23.9	25.0	-4.3	
2,4,4-Trimethyl-2-pentene	Ave	0.5590	0.5735		25.6	25.0	2.6	
1,4-Dioxane	Ave	0.0040	0.0043		1070	1000	7.5	
2-Nitropropane	Lin		0.2092		111	125	-10.8	

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5975T\20121218-17648.b\T4475.D		
Lims ID:	CCV	Client ID:	
Inject. Date:	18-Dec-2012 10:41:30	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	CCV		
Misc. Info.:	480-0017648-003		
Operator:	LH	Instrument ID:	HP5975T
Purge Vol:	5.000 mL	ALS Bottle#:	27
Lims Batch ID:	96317	Lims Sample ID:	3
Sublist:	chrom-T-8260*sub32		
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5975T\20121218-17648.b\T-8260.m		
Last Update:	18-Dec-2012 12:32:21	Calib Date:	03-Dec-2012 21:04:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5975T\20121203-17185.b\T3875.D		
Limit Group:	MV - 8260MCP_RCP		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	ZB-624	Column Dia:	0.25 mm
Process Host:	XAWRK005		

First Level Reviewer: HillL Date: 18-Dec-2012 12:32:21

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.501	4.501	0.0	95	628776	25.0	
* 2 Chlorobenzene-d5	117	6.709	6.709	0.0	88	566057	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.564	8.564	0.0	75	270309	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	65	4.191	4.191	0.0	0	249086	28.6	
$ 6 Toluene-d8 (Surr)	98	5.590	5.590	0.0	93	733045	28.5	
$ 7 4-Bromofluorobenzene (Surr)	174	7.641	7.641	0.0	84	230525	30.4	
12 Chlorodifluoromethane	51	0.957	0.957	0.0	98	158962	0	
18 Dichlorofluoromethane	67	1.610	1.610	0.0	83	267737	0	
19 Ethyl ether	59	1.859	1.859	0.0	92	167385	24.0	
84 Propene oxide	58	1.931	1.931	0.0	95	236517	0	
26 Isopropyl alcohol	45	2.356	2.356	0.0	93	290881	0	
27 3-Chloro-1-propene	41	2.377	2.377	0.0	85	291859	27.3	
31 2-Methyl-2-propanol	59	2.698	2.698	0.0	98	582031	528.7	
35 Hexane	57	2.874	2.874	0.0	94	262543	0	
37 Isopropyl ether	45	3.102	3.102	0.0	93	602202	24.1	
38 2-Chloro-1,3-butadiene	53	3.123	3.123	0.0	93	299661	0	
139 Halothane	117	3.134	3.134	0.0	0	87590	22.9	
40 1,1-Dimethoxyethane	75	3.175	3.175	0.0	93	218446	0	
41 Tert-butyl ethyl ether	59	3.393	3.393	0.0	98	606645	23.5	
45 Ethyl acetate	43	3.631	3.631	0.0	99	222081	0	
46 Propionitrile	54	3.693	3.693	0.0	98	359705	249.6	
49 Methacrylonitrile	41	3.776	3.776	0.0	92	135486	0	
56 Isobutyl alcohol	43	4.242	4.242	0.0	90	725904	0	
58 Tert-amyl methyl ether	73	4.263	4.263	0.0	90	559438	23.2	
59 n-Heptane	43	4.336	4.336	0.0	90	319474	32.1	
141 2,4,4-Trimethyl-1-pentene	55	4.584	4.584	0.0	0	124420	23.9	
61 n-Butanol	56	4.729	4.729	0.0	90	442799	0	
140 2,4,4-Trimethyl-2-pentene	97	4.781	4.781	0.0	0	360593	25.6	
64 Methyl methacrylate	41	4.968	4.968	0.0	88	203820	23.9	

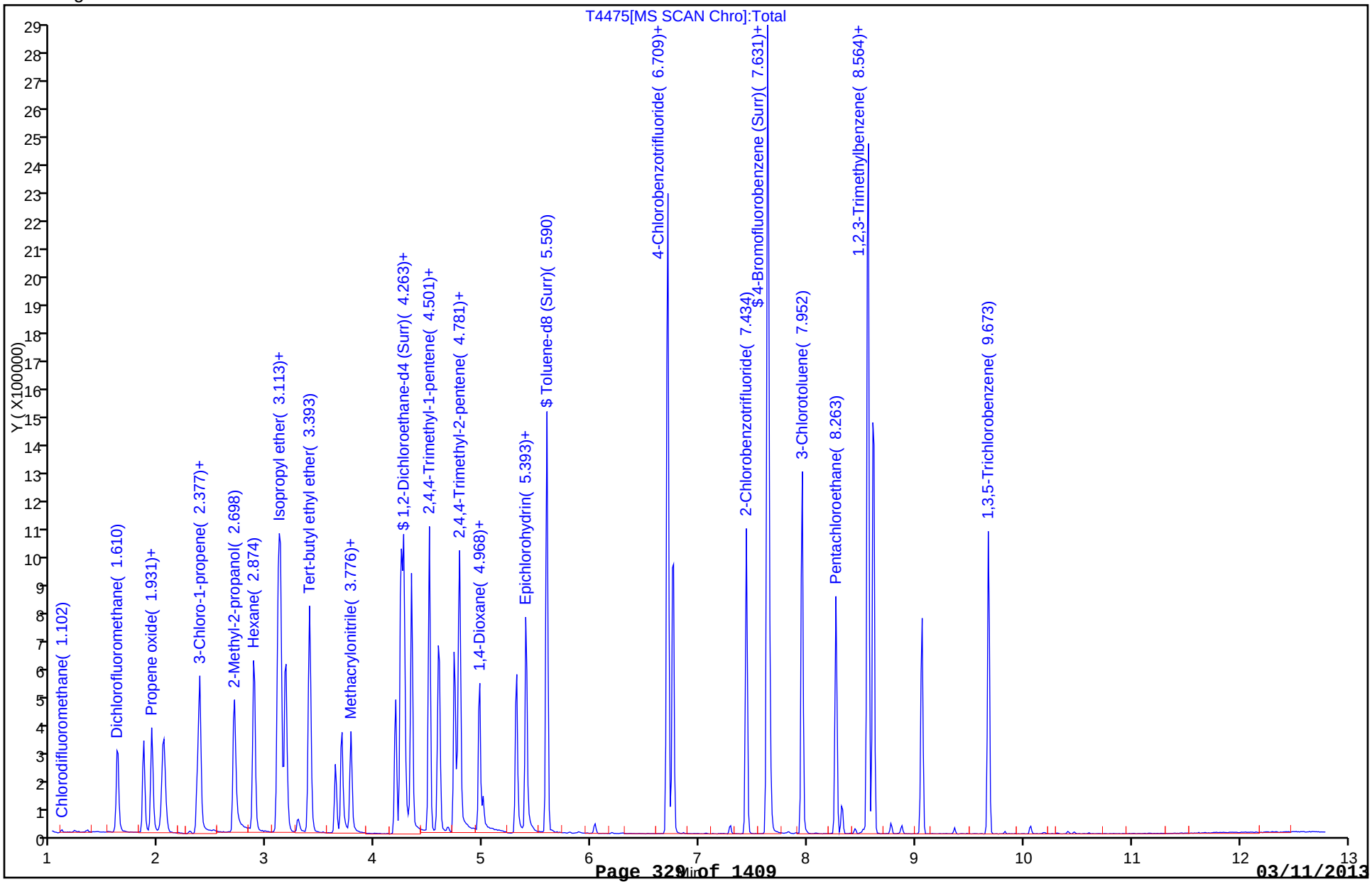
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
66 1,4-Dioxane	88	4.999	4.999	0.0	90	98297	1074.5	
68 2-Nitropropane	43	5.310	5.310	0.0	100	282719	111.5	
70 Epichlorohydrin	57	5.393	5.393	0.0	98	553645	0	
85 3-Chlorobenzotrifluoride	180	6.709	6.709	0.0	91	266579	0	
87 4-Chlorobenzotrifluoride	180	6.761	6.761	0.0	96	261348	0	
94 2-Chlorobenzotrifluoride	180	7.434	7.434	0.0	94	260817	0	
96 Cyclohexanone	55	7.631	7.631	0.0	93	783673	0	
103 3-Chlorotoluene	126	7.952	7.952	0.0	98	207193	0	
108 Pentachloroethane	167	8.263	8.263	0.0	81	104365	0	
112 Dicyclopentadiene	66	8.564	8.564	0.0	95	890212	0	
114 1,2,3-Trimethylbenzene	105	8.605	8.605	0.0	98	781668	0	
118 1,3,5-Trichlorobenzene	180	9.673	9.673	0.0	96	257885	0	

Report Date: 18-Dec-2012 12:32:21 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5975T\20121218-17648.b\T4475.D		
Injection Date:	18-Dec-2012 10:41:30	Limit Group:	MV - 8260MCP_RCP
Client ID:		Instrument ID:	HP5975T
Lims Batch ID:	96317	Lims Sample ID:	3
Operator ID:	LH	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\HP5975T\20121203-17185.b\T3852.D		
Lims ID:	BFB	Client ID:	
Inject. Date:	03-Dec-2012 11:40:30	Dil. Factor:	1.0000
Sample Type:	BFB		
Sample ID:	BFB		
Misc. Info.:	480-0017185-001		
Operator:	LH	Instrument ID:	HP5975T
Purge Vol:	5.000 mL	ALS Bottle#:	37
Lims Batch ID:	93813	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5975T\20121203-17185.b\T-8260.m		
Last Update:	06-Dec-2012 01:40:44	Calib Date:	03-Dec-2012 21:04:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5975T\20121203-17185.b\T3875.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: HillL Date: 04-Dec-2012 11:48:39

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
$ 5 BFB	95	4.931	4.931	0.0	83	262120	0	

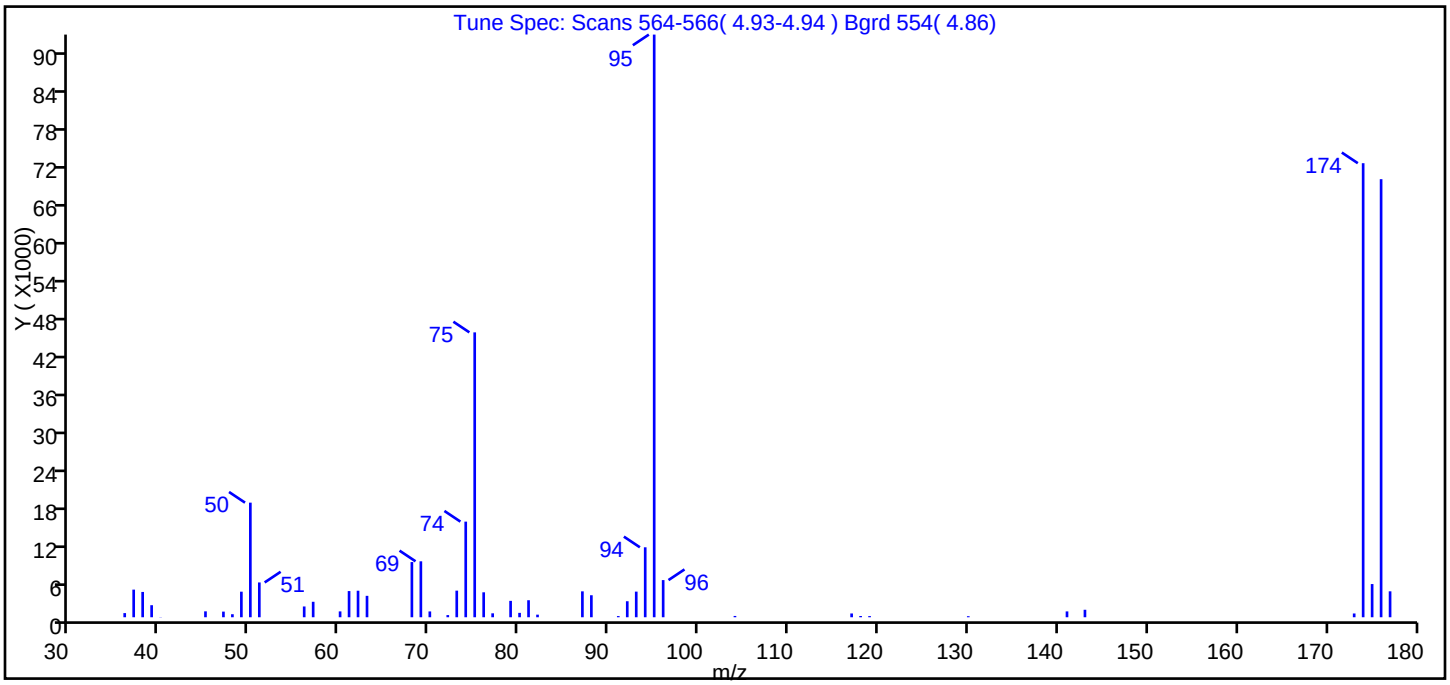
Report Date: 06-Dec-2012 01:40:45 Chrom Revision: 2.0 22-Oct-2012 16:30:48

MS Tune Report

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5975T\20121203-17185.b\T3852.D		
Injection Date:	03-Dec-2012 11:40:30	Limit Group:	MV - 8260MCP_RCP
Client ID:		Instrument ID:	HP5975T
Lims Batch ID:	93813	Lims Sample ID:	1
Operator ID:	LH	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm
Tune Method:	BFB Method 8260		

$ 5 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	19.67
75	30.00 - 60.00% of mass 95	48.89
96	5.00 - 9.00% of mass 95	6.38
173	Less than 2.00% of mass 174	0.65 (0.83)
174	Greater than 50.00% of mass 95	77.93
175	5.00 - 9.00% of mass 174	5.70 (7.31)
176	95.00 - 101.00% of mass 174	75.18 (96.48)
177	5.00 - 9.00% of mass 176	4.45 (5.92)

Data File: \\Bufchrom\ChromData\HP5975T\20121203-17185.b\T3852.D\T-8260.rslt\spectra.d
Injection Date: 03-Dec-2012 11:40:30
Spectrum: Tune Spec: Scans 564-566(4.93-4.94) Bgrd 554(4.86)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 50

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	658	60.00	927	79.00	2594	117.00	600
37.00	4372	61.00	4144	80.00	695	118.00	199
38.00	4005	62.00	4199	81.00	2694	119.00	185
39.00	1908	63.00	3389	82.00	411	130.00	166
40.00	32	68.00	8735	87.00	4100	141.00	926
45.00	935	69.00	8853	88.00	3484	143.00	1184
47.00	894	70.00	921	91.00	187	173.00	597
48.00	481	72.00	343	92.00	2535	174.00	71848
49.00	4047	73.00	4210	93.00	4057	175.00	5254
50.00	18136	74.00	15133	94.00	11071	176.00	69320
51.00	5508	75.00	45080	95.00	92200	177.00	4104
56.00	1707	76.00	3948	96.00	5881		
57.00	2449	77.00	623	104.00	206		

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5975T\20121218-17648.b\T4473.D		
Lims ID:	BFB	Client ID:	
Inject. Date:	18-Dec-2012 09:39:30	Dil. Factor:	1.0000
Sample Type:	BFB		
Sample ID:	BFB		
Misc. Info.:	480-0017648-001		
Operator:	LH	Instrument ID:	HP5975T
Purge Vol:	5.000 mL	ALS Bottle#:	25
Lims Batch ID:	96317	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5975T\20121218-17648.b\T-8260.m		
Last Update:	18-Dec-2012 09:49:15	Calib Date:	03-Dec-2012 21:04:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5975T\20121203-17185.b\T3875.D		
Limit Group:	MV - 8260MCP_RCP		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	ZB-624	Column Dia:	0.25 mm
Process Host:	XAWRK010		
First Level Reviewer: HillL		Date:	18-Dec-2012 09:49:15

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
$ 5 BFB	95	4.931	4.931	0.0	81	330761	0	

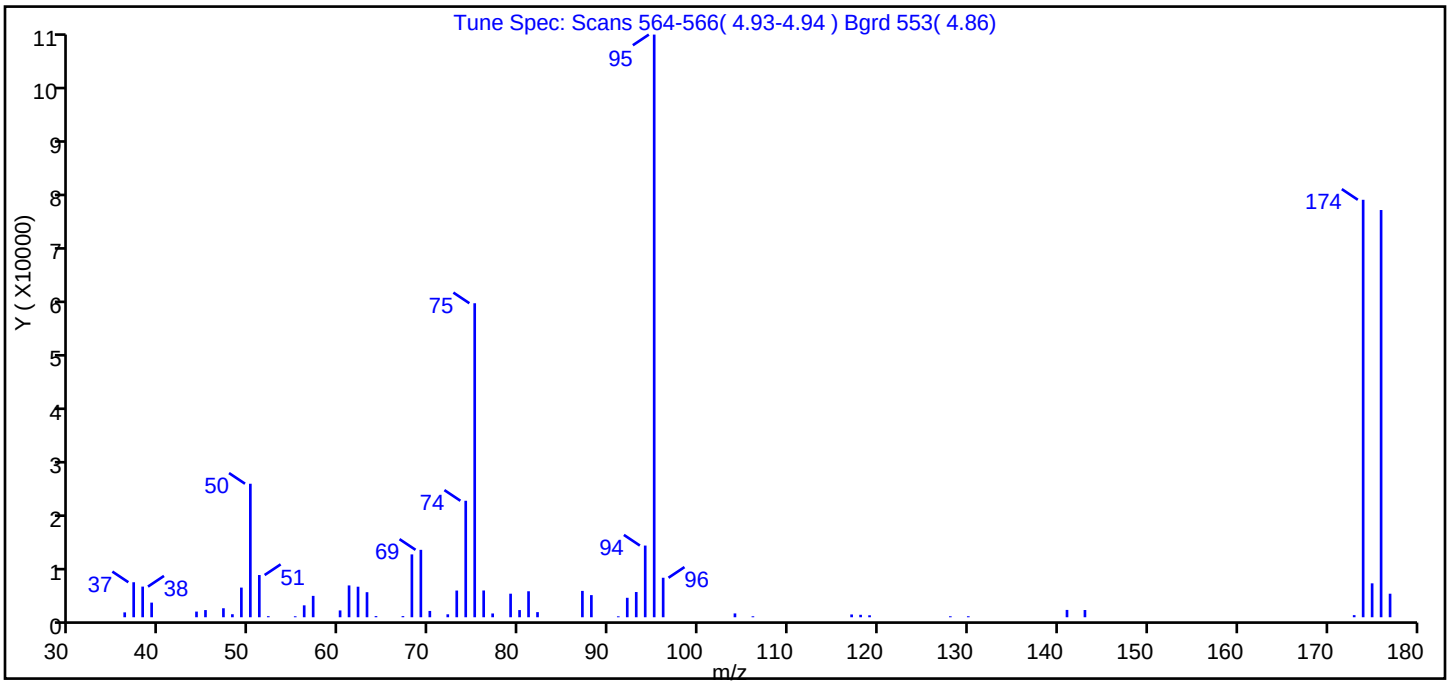
Report Date: 18-Dec-2012 09:49:16 Chrom Revision: 2.0 22-Oct-2012 16:30:48

MS Tune Report

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5975T\20121218-17648.b\T4473.D		
Injection Date:	18-Dec-2012 09:39:30	Limit Group:	MV - 8260MCP_RCP
Client ID:		Instrument ID:	HP5975T
Lims Batch ID:	96317	Lims Sample ID:	1
Operator ID:	LH	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm
Tune Method:	BFB Method 8260		

$ 5 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	22.92
75	30.00 - 60.00% of mass 95	53.89
96	5.00 - 9.00% of mass 95	6.78
173	Less than 2.00% of mass 174	0.36 (0.51)
174	Greater than 50.00% of mass 95	71.65
175	5.00 - 9.00% of mass 174	5.82 (8.13)
176	95.00 - 101.00% of mass 174	69.89 (97.55)
177	5.00 - 9.00% of mass 176	4.04 (5.78)

Data File: \\Bufchrom\ChromData\HP5975T\20121218-17648.b\T4473.D\T-8260.rslt\spectra.d
Injection Date: 18-Dec-2012 09:39:30
Spectrum: Tune Spec: Scans 564-566(4.93-4.94) Bgrd 553(4.86)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 56

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	897	57.00	3927	76.00	4917	104.00	704
37.00	6430	60.00	1254	77.00	696	106.00	180
38.00	5630	61.00	5844	79.00	4327	117.00	514
39.00	2690	62.00	5610	80.00	1319	118.00	452
44.00	1044	63.00	4604	81.00	4774	119.00	363
45.00	1319	64.00	216	82.00	943	128.00	180
47.00	1654	67.00	210	87.00	4840	130.00	184
48.00	557	68.00	11544	88.00	4066	141.00	1347
49.00	5448	69.00	12382	91.00	170	143.00	1329
50.00	24520	70.00	1160	92.00	3574	173.00	388
51.00	7754	72.00	542	93.00	4635	174.00	76664
52.00	196	73.00	4905	94.00	13165	175.00	6229
55.00	181	74.00	21392	95.00	107000	176.00	74784
56.00	2187	75.00	57664	96.00	7255	177.00	4325

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo
Job No.: 480-30106-1
SDG No.:
Client Sample ID:
Lab Sample ID: MB 480-96335/2-A
Matrix: Solid
Lab File ID: T4479.D
Analysis Method: 8260C
Date Collected:
Sample wt/vol: 5.1(g)
Date Analyzed: 12/18/2012 12:16
Soil Aliquot Vol: 100 (uL)
Dilution Factor: 1
Soil Extract Vol.: 10(mL)
GC Column: ZB-624 (60) ID: 0.25(mm)
% Moisture:
Level: (low/med) Medium
Analysis Batch No.: 96317
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
107-39-1	2,4,4-Trimethyl-1-pentene	ND		490	42
107-40-4	2,4,4-Trimethyl-2-pentene	ND		490	52

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	117		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	119		70-130
460-00-4	4-Bromofluorobenzene (Surr)	113		70-130

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

Lab Name: TestAmerica Buffalo Job No.: 480-30106-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 480-96335/2-A

Matrix: Solid Lab File ID: T4479.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5.1(g) Date Analyzed: 12/18/2012 12:16

Soil Aliquot Vol: 100 (uL) Dilution Factor: 1

Soil Extract Vol.: 10(mL) GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: Level: (low/med) Medium

Analysis Batch No.: 96317 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\HP5975T\20121218-17648.b\T4479.D		
Lims ID:	MB 480-96335/2-A	Client ID:	
Inject. Date:	18-Dec-2012 12:16:30	Dil. Factor:	1.0000
Sample Type:	MB		
Sample ID:	MB 480-96335/2-A		
Misc. Info.:	480-0017648-007		
Operator:	LH	Instrument ID:	HP5975T
Purge Vol:	5.000 mL	ALS Bottle#:	31
Lims Batch ID:	96317	Lims Sample ID:	7
Detector:	MS SCAN		

Method:	\\Bufchrom\ChromData\HP5975T\20121218-17648.b\T-8260.m		
Last Update:	18-Dec-2012 18:16:08	Calib Date:	03-Dec-2012 21:04:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5975T\20121203-17185.b\T3875.D		
Limit Group:	MV - 8260MCP_RCP		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	ZB-624	Column Dia:	0.25 mm
Process Host:	XAWRK024		

First Level Reviewer: larsonr Date: 19-Dec-2012 23:23:42

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.501	4.501	0.0	95	626517	25.0	
* 2 Chlorobenzene-d5	117	6.709	6.709	-0.001	87	551929	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.563	8.564	-0.001	96	248675	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	65	4.190	4.191	-0.001	0	258385	29.8	
$ 6 Toluene-d8 (Surr)	98	5.589	5.590	-0.001	94	731916	29.2	
$ 7 4-Bromofluorobenzene (Surr)	174	7.641	7.641	0.0	87	208601	28.2	
138 cis-1,4-Dichloro-2-butene	88		0.000					
137 Methyl acrylate	1		0.000					
135 Hexachloroethane	117		0.000					
142 Ethyl acrylate	1		0.000					
136 Nitrobenzene	77		0.000					
11 Dichlorodifluoromethane	85		0.936					
12 Chlorodifluoromethane	51		0.957					
13 Chloromethane	50		1.061					
14 Vinyl chloride	62		1.133					
15 Bromomethane	94		1.372					9
16 Chloroethane	64		1.444					
18 Dichlorofluoromethane	67		1.610					
17 Trichlorofluoromethane	101		1.620					
19 Ethyl ether	59		1.859					
84 Propene oxide	58		1.931					
21 Acrolein	56		2.014					9
20 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.035					
22 1,1-Dichloroethene	96		2.035					
23 Acetone	43		2.169					
24 Iodomethane	142		2.180					
25 Carbon disulfide	76		2.201					
26 Isopropyl alcohol	45		2.356					
27 3-Chloro-1-propene	41		2.377					
28 Methyl acetate	43		2.439					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
29 Acetonitrile	40		2.449					9
30 Methylene Chloride	84		2.501					
32 trans-1,2-Dichloroethene	96		2.698					
31 2-Methyl-2-propanol	59		2.698					
33 Methyl tert-butyl ether	73		2.708					
34 Acrylonitrile	53		2.781					
35 Hexane	57		2.874					
36 1,1-Dichloroethane	63		3.071					
37 Isopropyl ether	45		3.102					
38 2-Chloro-1,3-butadiene	53		3.123					
139 Halothane	117		3.134					
39 Vinyl acetate	43		3.144					
40 1,1-Dimethoxyethane	75		3.175					
41 Tert-butyl ethyl ether	59		3.393					
42 2,2-Dichloropropane	77		3.517					
43 cis-1,2-Dichloroethene	96		3.548					
44 2-Butanone (MEK)	43		3.600					
45 Ethyl acetate	43		3.631					
46 Propionitrile	54		3.693					
47 Chlorobromomethane	128		3.745					
48 Tetrahydrofuran	42		3.765					
49 Methacrylonitrile	41		3.776					
50 Chloroform	83		3.807					
52 Cyclohexane	56		3.890					
51 1,1,1-Trichloroethane	97		3.900					
53 Carbon tetrachloride	117		4.004					
54 1,1-Dichloropropene	75		4.014					
55 Benzene	78		4.190					
57 1,2-Dichloroethane	62		4.242					
56 Isobutyl alcohol	43		4.242					
58 Tert-amyl methyl ether	73		4.263					
59 n-Heptane	43		4.336					9
141 2,4,4-Trimethyl-1-pentene	55		4.584					14
60 Trichloroethene	95		4.677					9
61 n-Butanol	56		4.729					
62 Methylcyclohexane	83		4.760					
140 2,4,4-Trimethyl-2-pentene	97		4.781					
63 1,2-Dichloropropane	63		4.864					
65 Dibromomethane	93		4.968					
64 Methyl methacrylate	41		4.968					
66 1,4-Dioxane	88		4.999					
67 Dichlorobromomethane	83		5.092					
68 2-Nitropropane	43		5.310					
69 2-Chloroethyl vinyl ether	63		5.320					
70 Epichlorohydrin	57		5.393					9
71 cis-1,3-Dichloropropene	75		5.423					9
72 4-Methyl-2-pentanone (MIBK)	43		5.548					9
73 Toluene	92		5.641					
74 2-Methylthiophene	97		5.745					
75 trans-1,3-Dichloropropene	75		5.859					
76 3-Methylthiophene	97		5.869					
77 Ethyl methacrylate	69		5.900					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
78 1,1,2-Trichloroethane	83		6.004					
79 Tetrachloroethene	166		6.035					
80 1,3-Dichloropropane	76		6.118					
81 2-Hexanone	43		6.190					
82 Chlorodibromomethane	129		6.294					
83 Ethylene Dibromide	107		6.367					
85 3-Chlorobenzotrifluoride	180		6.709					
86 Chlorobenzene	112		6.729					
87 4-Chlorobenzotrifluoride	180		6.761					
89 1,1,1,2-Tetrachloroethane	131		6.802					
88 Ethylbenzene	91		6.802					9
90 m-Xylene & p-Xylene	106		6.885					
91 o-Xylene	106		7.206					
92 Styrene	104		7.227					
93 Bromoform	173		7.403					
94 2-Chlorobenzotrifluoride	180		7.434					
95 Isopropylbenzene	105		7.486					
96 Cyclohexanone	55		7.631					9
97 Bromobenzene	156		7.755					
98 1,1,2,2-Tetrachloroethane	83		7.797					
99 N-Propylbenzene	91		7.817					9
100 1,2,3-Trichloropropane	110		7.828					
101 trans-1,4-Dichloro-2-butene	53		7.838					
105 2-Chlorotoluene	126		7.900					
103 3-Chlorotoluene	126		7.952					
104 1,3,5-Trimethylbenzene	105		7.962					
102 4-Chlorotoluene	91		7.994					
106 tert-Butylbenzene	134		8.222					
107 1,2,4-Trimethylbenzene	105		8.263					
108 Pentachloroethane	167		8.263					
109 sec-Butylbenzene	105		8.398					
110 1,3-Dichlorobenzene	146		8.501					
111 4-Isopropyltoluene	119		8.522					9
112 Dicyclopentadiene	66	8.563	8.564	-0.001	38	8010	0	
113 1,4-Dichlorobenzene	146		8.584					
114 1,2,3-Trimethylbenzene	105		8.605					
115 n-Butylbenzene	91		8.854					
116 1,2-Dichlorobenzene	146		8.885					
117 1,2-Dibromo-3-Chloropropane	75		9.558					
118 1,3,5-Trichlorobenzene	180		9.673					
119 1,2,4-Trichlorobenzene	180		10.201					
120 Hexachlorobutadiene	225		10.315					
121 Naphthalene	128		10.408					9
122 1,2,3-Trichlorobenzene	180		10.605					9
S 125 Total BTEX	1		30.000					7
S 126 Xylenes, Total	1		30.000					7
S 123 1,3-Dichloropropene, Total	1		30.000					7
S 124 1,2-Dichloroethene, Total	1		30.000					7
T 127 Ethanol TIC	1		0.000					1
T 128 Hexachloroethane TIC	117		0.000					1
T 9 bis(2-chloromethyl)ether TIC	1		0.000					1
T 8 t-Amyl alcohol	1		0.000					1

Report Date: 19-Dec-2012 23:23:43 Chrom Revision: 2.0 22-Oct-2012 16:30:48
Data File: \\Bufchrom\ChromData\HP5975T\20121218-17648.b\T4479.D

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
T 10 Ethylene oxide	1		0.000					1
T 129 Aziridine TIC	1		0.000					1
T 130 Bromoethane TIC	1		0.000					1
T 131 tert-amyl alcohol TIC	1		0.000					1
T 132 bis(chloromethyl)ether TIC	1		0.000					1
T 133 Pentachloroethane TIC	1		0.000					1
T 134 1-Bromopropane	1		0.000					1

QC Flag Legend

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

TestAmerica Buffalo
Tentatively Identified Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5975T\20121218-17648.b\T4479.D		
Lims ID:	MB 480-96335/2-A	Client ID:	
Inject. Date:	18-Dec-2012 12:16:30	Dil. Factor:	1.0000
Sample Type:	MB		
Sample ID:	MB 480-96335/2-A		
Misc. Info.:	480-0017648-007		
Operator:	LH	Instrument ID:	HP5975T
Purge Vol:	5.000 mL	ALS Bottle#:	31
Lims Batch ID:	96317	Lims Sample ID:	7
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5975T\20121218-17648.b\T-8260.m		
Last Update:	18-Dec-2012 18:16:08	Calib Date:	03-Dec-2012 21:04:30
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:	25		
Process Host:	XAWRK024		

First Level Reviewer: larsonr Date: 19-Dec-2012 23:23:42

Calibrated Tentative Identified Compound Results

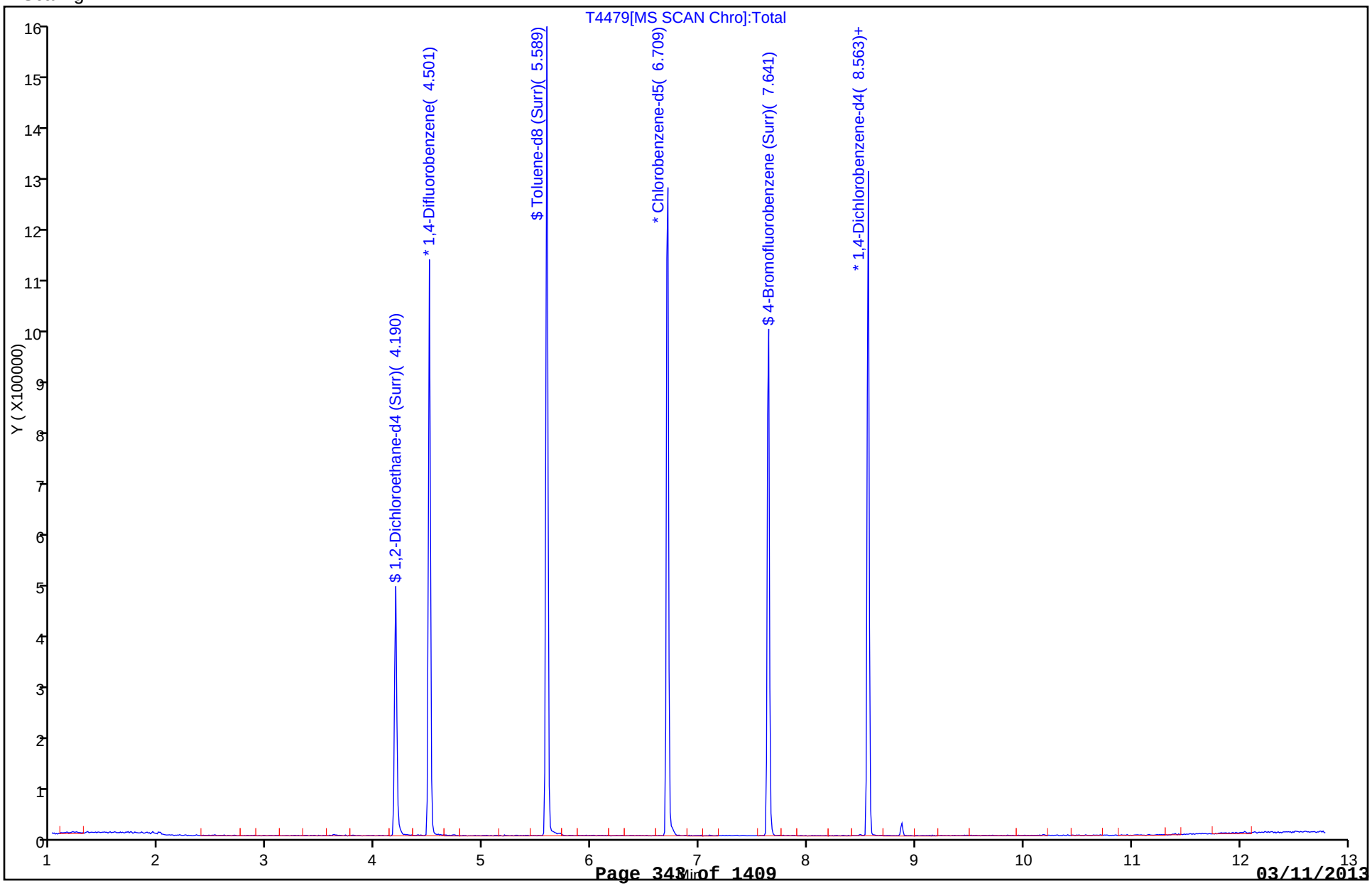
Compound	RT	Response	Amount ug/L	Flags

Report Date: 19-Dec-2012 23:23:43 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5975T\20121218-17648.b\T4479.D		
Injection Date:	18-Dec-2012 12:16:30	Limit Group:	MV - 8260MCP_RCP
Client ID:		Instrument ID:	HP5975T
Lims Batch ID:	96317	Lims Sample ID:	7
Operator ID:	LH	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.: 480-30106-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCS 480-96335/1-A
Matrix: Solid
Lab File ID: T4476.D
Analysis Method: 8260C
Date Collected:
Sample wt/vol: 5.04(g)
Date Analyzed: 12/18/2012 11:04
Soil Aliquot Vol: 100 (uL)
Dilution Factor: 1
Soil Extract Vol.: 10(mL)
GC Column: ZB-624 (60) ID: 0.25(mm)
% Moisture:
Level: (low/med) Medium
Analysis Batch No.: 96317
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
107-39-1	2,4,4-Trimethyl-1-pentene	2350		500	43
107-40-4	2,4,4-Trimethyl-2-pentene	2740		500	53

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	116		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	120		70-130
460-00-4	4-Bromofluorobenzene (Surr)	115		70-130

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5975T\20121218-17648.b\T4476.D
Lims ID: LCS 480-96335/1-A Client ID:
Inject. Date: 18-Dec-2012 11:04:30 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: LCS 480-96335/1-A
Misc. Info.: 480-0017648-004
Operator: LH Instrument ID: HP5975T
Purge Vol: 5.000 mL ALS Bottle#: 28
Lims Batch ID: 96317 Lims Sample ID: 4
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5975T\20121218-17648.b\T-8260.m
Last Update: 18-Dec-2012 18:16:08 Calib Date: 03-Dec-2012 21:04:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5975T\20121203-17185.b\T3875.D
Limit Group: MV - 8260MCP_RCP
Integrator: RTE ID Type: Deconvolution ID
Column Type: ZB-624 Column Dia: 0.25 mm
Process Host: XAWRK024

First Level Reviewer: HillL Date: 18-Dec-2012 12:32:53

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.501	4.501	0.0	95	619598	25.0	
* 2 Chlorobenzene-d5	117	6.709	6.709	0.0	86	582699	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.564	8.564	0.0	73	277784	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	65	4.190	4.191	-0.001	0	256985	29.9	
$ 6 Toluene-d8 (Surr)	98	5.589	5.590	-0.001	91	763897	28.9	
$ 7 4-Bromofluorobenzene (Surr)	174	7.641	7.641	0.0	85	224436	28.7	
11 Dichlorodifluoromethane	85	0.936	0.936	0.0	88	361696	64.6	
12 Chlorodifluoromethane	51	0.957	0.957	0.0	77	133159	0	
13 Chloromethane	50	1.061	1.061	0.0	100	179119	23.4	
14 Vinyl chloride	62	1.133	1.133	0.0	84	173918	22.8	
15 Bromomethane	94	1.361	1.372	-0.011	92	105725	25.4	
16 Chloroethane	64	1.434	1.444	-0.010	94	102159	20.9	
18 Dichlorofluoromethane	67	1.610	1.610	0.0	80	241023	0	
17 Trichlorofluoromethane	101	1.620	1.620	0.0	75	225801	29.6	
19 Ethyl ether	59	1.859	1.859	0.0	92	154328	22.4	
84 Propene oxide	58	1.931	1.931	0.0	95	221440	0	
21 Acrolein	56	2.025	2.014	0.011	99	528574	430.8	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.035	2.035	0.0	94	280532	52.3	
22 1,1-Dichloroethene	96	2.045	2.035	0.010	89	159445	28.8	
23 Acetone	43	2.170	2.169	0.001	99	334149	138.0	
24 Iodomethane	142	2.190	2.180	0.010	62	172992	24.1	
25 Carbon disulfide	76	2.201	2.201	0.0	100	362598	19.5	
26 Isopropyl alcohol	45	2.367	2.356	0.011	82	293957	0	
27 3-Chloro-1-propene	41	2.377	2.377	0.0	85	261597	24.8	
28 Methyl acetate	43	2.439	2.439	0.0	94	205910	25.5	
29 Acetonitrile	40	2.449	2.449	0.0	99	426347	769.6	
30 Methylene Chloride	84	2.501	2.501	0.0	85	188640	25.0	
32 trans-1,2-Dichloroethene	96	2.698	2.698	0.0	79	182152	26.6	
31 2-Methyl-2-propanol	59	2.698	2.698	0.0	88	561461	517.6	
33 Methyl tert-butyl ether	73	2.709	2.708	0.001	89	523072	22.3	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
34 Acrylonitrile	53	2.781	2.781	0.0	100	388072	119.6	
35 Hexane	57	2.874	2.874	0.0	92	258581	0	
36 1,1-Dichloroethane	63	3.071	3.071	0.0	86	321692	25.1	
37 Isopropyl ether	45	3.102	3.102	0.0	92	576421	23.4	
38 2-Chloro-1,3-butadiene	53	3.123	3.123	0.0	92	276202	0	
139 Halothane	117	3.133	3.134	-0.001	0	92048	24.4	
39 Vinyl acetate	43	3.144	3.144	0.0	96	2100831	129.1	
40 1,1-Dimethoxyethane	75		3.175					2
41 Tert-butyl ethyl ether	59	3.392	3.393	-0.001	97	590348	23.2	
42 2,2-Dichloropropane	77	3.517	3.517	0.0	92	146759	26.3	
43 cis-1,2-Dichloroethene	96	3.548	3.548	0.0	67	205588	26.5	
44 2-Butanone (MEK)	43	3.600	3.600	0.0	99	703867	157.2	
45 Ethyl acetate	43		3.631					2
46 Propionitrile	54	3.693	3.693	0.0	99	313502	220.7	
47 Chlorobromomethane	128	3.745	3.745	0.0	87	101037	26.3	
48 Tetrahydrofuran	42	3.766	3.765	0.001	75	312687	110.7	
49 Methacrylonitrile	41	3.776	3.776	0.0	87	306238	0	
50 Chloroform	83	3.807	3.807	0.0	82	330058	26.3	
52 Cyclohexane	56	3.890	3.890	0.0	91	243328	20.4	
51 1,1,1-Trichloroethane	97	3.890	3.900	-0.010	91	277111	28.6	
53 Carbon tetrachloride	117	4.004	4.004	0.0	78	239080	30.3	
54 1,1-Dichloropropene	75	4.014	4.014	0.0	90	243963	25.8	
55 Benzene	78	4.190	4.190	0.0	98	723119	24.7	
57 1,2-Dichloroethane	62	4.242	4.242	0.0	97	295619	29.0	
56 Isobutyl alcohol	43	4.242	4.242	0.0	92	684011	0	
58 Tert-amyl methyl ether	73	4.263	4.263	0.0	89	544609	22.9	
59 n-Heptane	43	4.336	4.336	0.0	90	286342	29.8	
141 2,4,4-Trimethyl-1-pentene	55	4.584	4.584	0.0	0	121564	23.7	
60 Trichloroethene	95	4.677	4.677	0.0	93	200009	27.5	
61 n-Butanol	56	4.740	4.729	0.011	91	434540	0	
62 Methylcyclohexane	83	4.760	4.760	0.0	94	263079	22.3	
140 2,4,4-Trimethyl-2-pentene	97	4.781	4.781	0.0	0	382629	27.6	
63 1,2-Dichloropropane	63	4.864	4.864	0.0	88	186119	24.3	
65 Dibromomethane	93	4.968	4.968	0.0	91	134914	27.6	
64 Methyl methacrylate	41	4.968	4.968	0.0	88	190101	22.6	
66 1,4-Dioxane	88	4.999	4.999	0.0	88	88421	939.0	
67 Dichlorobromomethane	83	5.092	5.092	0.0	92	241828	26.1	
68 2-Nitropropane	43	5.320	5.310	0.010	95	709562	251.0	
69 2-Chloroethyl vinyl ether	63	5.320	5.320	0.0	92	655911	110.5	
70 Epichlorohydrin	57	5.393	5.393	0.0	98	531515	0	
71 cis-1,3-Dichloropropene	75	5.424	5.423	0.001	89	293602	25.6	
72 4-Methyl-2-pentanone (MIBK)	43	5.548	5.548	0.0	96	1108555	107.2	
73 Toluene	92	5.641	5.641	0.0	98	487552	24.8	
75 trans-1,3-Dichloropropene	75	5.859	5.859	0.0	93	272229	22.3	
77 Ethyl methacrylate	69	5.900	5.900	0.0	89	239974	20.1	
78 1,1,2-Trichloroethane	83	6.004	6.004	0.0	87	151716	24.3	
79 Tetrachloroethene	166	6.035	6.035	0.0	85	208879	28.6	
80 1,3-Dichloropropane	76	6.118	6.118	0.0	94	297212	23.4	
81 2-Hexanone	43	6.180	6.190	-0.010	97	791596	107.4	
82 Chlorodibromomethane	129	6.294	6.294	0.0	88	180497	23.3	
83 Ethylene Dibromide	107	6.367	6.367	0.0	98	191293	25.4	
85 3-Chlorobenzotrifluoride	180	6.709	6.709	0.0	83	261718	0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
86 Chlorobenzene	112	6.729	6.729	0.0	88	527340	25.3	
87 4-Chlorobenzotrifluoride	180	6.760	6.761	-0.001	87	248973	0	
89 1,1,1,2-Tetrachloroethane	131	6.802	6.802	0.0	45	170703	24.8	
88 Ethylbenzene	91	6.802	6.802	0.0	99	913430	25.1	
90 m-Xylene & p-Xylene	106	6.885	6.885	0.0	99	712053	51.4	
91 o-Xylene	106	7.206	7.206	0.0	98	339064	24.4	
92 Styrene	104	7.227	7.227	0.0	95	588664	24.8	
93 Bromoform	173	7.403	7.403	0.0	91	105348	22.1	
94 2-Chlorobenzotrifluoride	180	7.434	7.434	0.0	90	259687	0	
95 Isopropylbenzene	105	7.486	7.486	0.0	96	929130	27.4	
96 Cyclohexanone	55	7.631	7.631	0.0	94	677344	0	
97 Bromobenzene	156	7.755	7.755	0.0	96	222860	27.3	
98 1,1,2,2-Tetrachloroethane	83	7.797	7.797	0.0	81	251976	24.5	
99 N-Propylbenzene	91	7.817	7.817	0.0	99	1109619	26.9	
100 1,2,3-Trichloropropane	110	7.828	7.828	0.0	79	89106	28.2	
101 trans-1,4-Dichloro-2-butene	53	7.838	7.838	0.0	90	264306	109.2	
105 2-Chlorotoluene	126	7.900	7.900	0.0	95	207529	26.5	
103 3-Chlorotoluene	126	7.952	7.952	0.0	98	233273	0	
104 1,3,5-Trimethylbenzene	105	7.963	7.962	0.001	90	773776	28.3	
102 4-Chlorotoluene	91	7.983	7.994	-0.011	96	711141	24.9	
106 tert-Butylbenzene	134	8.222	8.222	0.0	92	159198	28.9	
107 1,2,4-Trimethylbenzene	105	8.263	8.263	0.0	97	769153	27.7	
108 Pentachloroethane	167	8.263	8.263	0.0	44	105066	0	
109 sec-Butylbenzene	105	8.398	8.398	0.0	95	965140	28.2	
110 1,3-Dichlorobenzene	146	8.501	8.501	0.0	95	423789	27.8	
111 4-Isopropyltoluene	119	8.522	8.522	0.0	97	808716	29.2	
112 Dicyclopentadiene	66	8.564	8.564	0.0	95	871456	0	
113 1,4-Dichlorobenzene	146	8.584	8.584	0.0	92	425322	26.9	
114 1,2,3-Trimethylbenzene	105	8.615	8.605	0.010	88	769497	0	
115 n-Butylbenzene	91	8.854	8.854	0.0	98	746295	28.8	
116 1,2-Dichlorobenzene	146	8.885	8.885	0.0	94	399559	27.8	
117 1,2-Dibromo-3-Chloropropane	75	9.558	9.558	0.0	77	40696	26.0	
118 1,3,5-Trichlorobenzene	180	9.672	9.673	-0.001	96	244734	0	
119 1,2,4-Trichlorobenzene	180	10.201	10.201	0.0	94	227833	28.7	
120 Hexachlorobutadiene	225	10.315	10.315	0.0	95	108964	32.7	
121 Naphthalene	128	10.408	10.408	0.0	98	620448	25.1	
122 1,2,3-Trichlorobenzene	180	10.605	10.605	0.0	93	188226	27.3	
S 126 Xylenes, Total	1				0		75.8	
S 123 1,3-Dichloropropene, Total	1				0		47.9	
S 124 1,2-Dichloroethene, Total	1				0		53.1	

QC Flag Legend

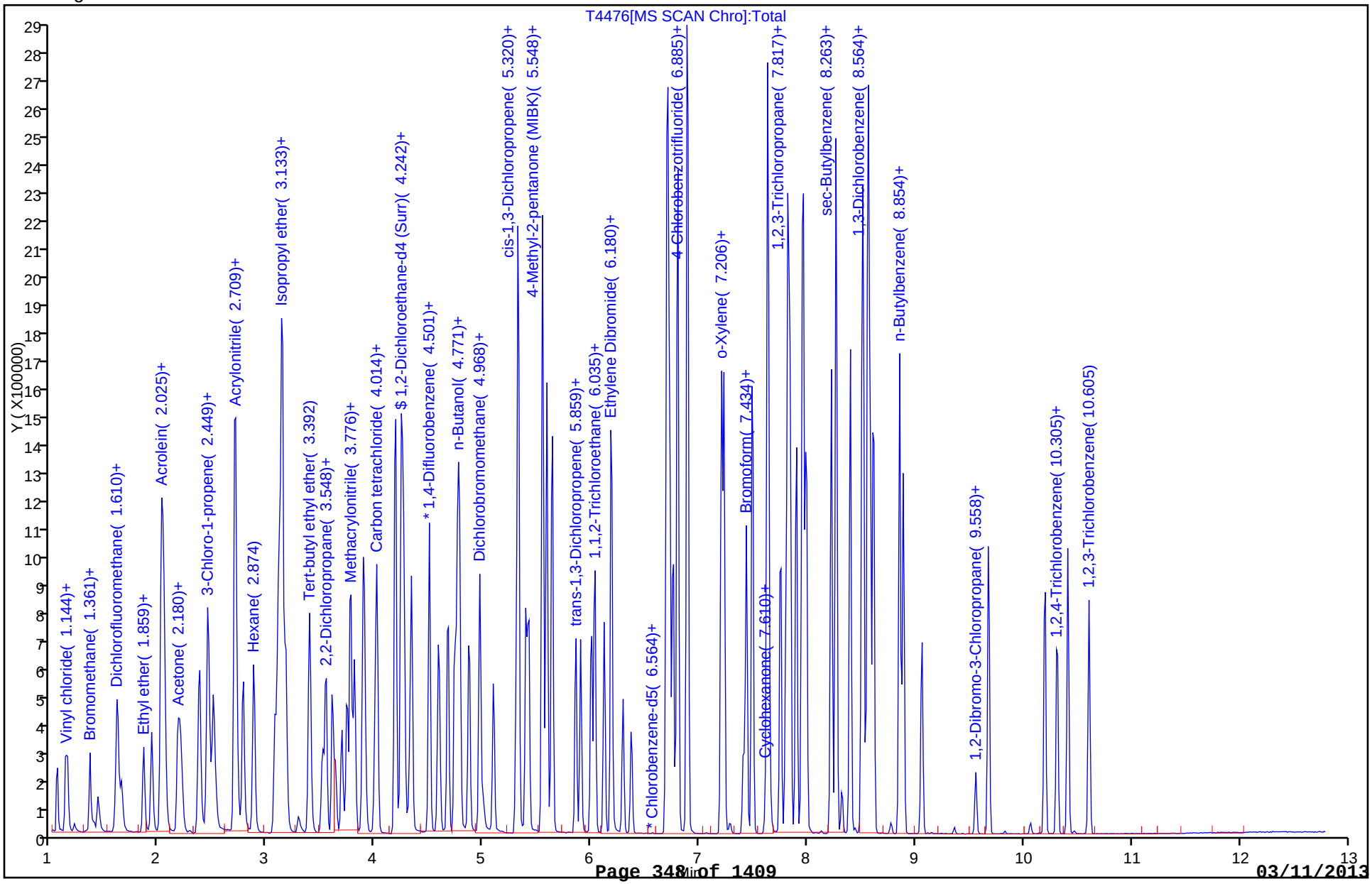
Processing Flags
2 - Failed Coelution Test

Report Date: 19-Dec-2012 23:23:34 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5975T\20121218-17648.b\T4476.D		
Injection Date:	18-Dec-2012 11:04:30	Limit Group:	MV - 8260MCP_RCP
Client ID:		Instrument ID:	HP5975T
Lims Batch ID:	96317	Lims Sample ID:	4
Operator ID:	LH	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.: 480-30106-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCSD 480-96335/15-A
Matrix: Solid
Lab File ID: T4477.D
Analysis Method: 8260C
Date Collected:
Sample wt/vol: 5.01(g)
Date Analyzed: 12/18/2012 11:29
Soil Aliquot Vol: 100 (uL)
Dilution Factor: 1
Soil Extract Vol.: 10(mL)
GC Column: ZB-624 (60) ID: 0.25(mm)
% Moisture:
Level: (low/med) Medium
Analysis Batch No.: 96317
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
107-39-1	2,4,4-Trimethyl-1-pentene	2270		500	43
107-40-4	2,4,4-Trimethyl-2-pentene	2690		500	53

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	116		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	119		70-130
460-00-4	4-Bromofluorobenzene (Surr)	120		70-130

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5975T\20121218-17648.b\T4477.D
Lims ID: LCSD 480-96335/15-A Client ID:
Inject. Date: 18-Dec-2012 11:29:30 Dil. Factor: 1.0000
Sample Type: LCSD
Sample ID: LCSD 480-96335/15-A
Misc. Info.: 480-0017648-005
Operator: LH Instrument ID: HP5975T
Purge Vol: 5.000 mL ALS Bottle#: 29
Lims Batch ID: 96317 Lims Sample ID: 5
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5975T\20121218-17648.b\T-8260.m
Last Update: 18-Dec-2012 18:16:08 Calib Date: 03-Dec-2012 21:04:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5975T\20121203-17185.b\T3875.D
Limit Group: MV - 8260MCP_RCP
Integrator: RTE ID Type: Deconvolution ID
Column Type: ZB-624 Column Dia: 0.25 mm
Process Host: XAWRK024

First Level Reviewer: HillL Date: 18-Dec-2012 12:33:14

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.501	4.501	0.0	95	644810	25.0	
* 2 Chlorobenzene-d5	117	6.709	6.709	0.0	84	586364	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.564	8.564	0.0	60	285503	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	65	4.191	4.191	-0.001	0	265473	29.7	
$ 6 Toluene-d8 (Surr)	98	5.590	5.590	0.0	91	771289	29.0	
$ 7 4-Bromofluorobenzene (Surr)	174	7.641	7.641	0.0	86	235235	29.9	
11 Dichlorodifluoromethane	85	0.937	0.936	0.0	88	371986	63.9	
12 Chlorodifluoromethane	51	0.957	0.957	0.0	78	148231	0	
13 Chloromethane	50	1.051	1.061	-0.011	89	174859	21.9	
14 Vinyl chloride	62	1.133	1.133	0.0	83	171427	21.6	
15 Bromomethane	94	1.361	1.372	-0.011	92	110338	25.5	
16 Chloroethane	64	1.444	1.444	0.0	94	106924	21.0	
18 Dichlorofluoromethane	67	1.610	1.610	0.0	95	249307	0	
17 Trichlorofluoromethane	101	1.610	1.620	-0.010	69	237389	29.8	
19 Ethyl ether	59	1.848	1.859	-0.011	93	156352	21.9	
84 Propene oxide	58	1.931	1.931	0.0	94	223028	0	
21 Acrolein	56	2.014	2.014	0.0	99	522272	409.0	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.035	2.035	0.0	95	276985	49.6	
22 1,1-Dichloroethene	96	2.045	2.035	0.010	90	151249	26.2	
23 Acetone	43	2.170	2.169	0.001	100	328986	130.5	
24 Iodomethane	142	2.190	2.180	0.010	94	175227	23.5	
25 Carbon disulfide	76	2.201	2.201	0.0	99	366138	19.0	
26 Isopropyl alcohol	45	2.356	2.356	0.0	90	283775	0	
27 3-Chloro-1-propene	41	2.377	2.377	0.0	84	252680	23.0	
28 Methyl acetate	43	2.439	2.439	0.0	95	198693	23.7	
29 Acetonitrile	40	2.450	2.449	0.001	99	449324	779.4	
30 Methylene Chloride	84	2.501	2.501	0.0	87	189667	24.1	
32 trans-1,2-Dichloroethene	96	2.698	2.698	0.0	74	180771	25.4	
31 2-Methyl-2-propanol	59	2.698	2.698	0.0	83	557077	493.4	
33 Methyl tert-butyl ether	73	2.709	2.708	0.001	90	539205	22.1	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
34 Acrylonitrile	53	2.771	2.781	-0.010	98	378180	112.0	
35 Hexane	57	2.874	2.874	0.0	93	249615	0	
36 1,1-Dichloroethane	63	3.071	3.071	0.0	86	323801	24.3	
37 Isopropyl ether	45	3.102	3.102	0.0	93	574729	22.4	
38 2-Chloro-1,3-butadiene	53	3.123	3.123	0.0	90	273824	0	
139 Halothane	117	3.123	3.134	-0.011	0	91578	23.3	
39 Vinyl acetate	43	3.133	3.144	-0.011	97	2105978	124.3	
40 1,1-Dimethoxyethane	75	3.123	3.175	-0.052	33	3432	0	
41 Tert-butyl ethyl ether	59	3.393	3.393	0.0	98	620402	23.4	
42 2,2-Dichloropropane	77	3.517	3.517	0.0	92	141547	24.4	
43 cis-1,2-Dichloroethene	96	3.548	3.548	0.0	66	204079	25.3	
44 2-Butanone (MEK)	43	3.600	3.600	0.0	99	726711	155.9	
45 Ethyl acetate	43		3.631					2
46 Propionitrile	54	3.693	3.693	0.0	99	320219	216.6	
47 Chlorobromomethane	128	3.735	3.745	-0.010	90	102720	25.7	
48 Tetrahydrofuran	42	3.766	3.765	0.001	75	323396	110.0	
49 Methacrylonitrile	41	3.766	3.776	-0.010	89	311863	0	
50 Chloroform	83	3.807	3.807	0.0	82	340999	26.1	
52 Cyclohexane	56	3.890	3.890	0.0	90	254811	20.6	
51 1,1,1-Trichloroethane	97	3.890	3.900	-0.010	93	279849	27.8	
53 Carbon tetrachloride	117	4.004	4.004	0.0	80	239692	29.2	
54 1,1-Dichloropropene	75	4.014	4.014	0.0	91	245390	25.0	
55 Benzene	78	4.180	4.190	-0.010	96	707114	23.2	
57 1,2-Dichloroethane	62	4.242	4.242	0.0	91	296134	27.9	
56 Isobutyl alcohol	43	4.242	4.242	0.0	92	678446	0	
58 Tert-amyl methyl ether	73	4.263	4.263	0.0	91	554621	22.4	
59 n-Heptane	43	4.336	4.336	0.0	92	289924	29.2	
141 2,4,4-Trimethyl-1-pentene	55	4.584	4.584	0.0	0	121225	22.7	
60 Trichloroethene	95	4.667	4.677	-0.010	93	201188	26.6	
61 n-Butanol	56	4.729	4.729	0.0	91	454454	0	
62 Methylcyclohexane	83	4.760	4.760	0.0	94	264481	21.5	
140 2,4,4-Trimethyl-2-pentene	97	4.781	4.781	0.0	0	388443	26.9	
63 1,2-Dichloropropane	63	4.864	4.864	0.0	87	190712	23.9	
65 Dibromomethane	93	4.968	4.968	0.0	87	133793	26.3	
64 Methyl methacrylate	41	4.968	4.968	0.0	90	194285	22.2	
66 1,4-Dioxane	88	4.999	4.999	0.0	89	100528	1060.9	
67 Dichlorobromomethane	83	5.092	5.092	0.0	92	251489	26.1	
68 2-Nitropropane	43	5.320	5.310	0.010	97	733864	252.5	
69 2-Chloroethyl vinyl ether	63	5.320	5.320	0.0	93	655899	106.2	
70 Epichlorohydrin	57	5.393	5.393	0.0	98	532878	0	
71 cis-1,3-Dichloropropene	75	5.424	5.423	0.001	88	304389	25.5	
72 4-Methyl-2-pentanone (MIBK)	43	5.548	5.548	0.0	97	1142132	109.8	
73 Toluene	92	5.641	5.641	0.0	97	485379	24.6	
75 trans-1,3-Dichloropropene	75	5.859	5.859	0.0	93	274979	22.4	
77 Ethyl methacrylate	69	5.900	5.900	0.0	88	246553	20.5	
78 1,1,2-Trichloroethane	83	6.004	6.004	0.0	87	153608	24.4	
79 Tetrachloroethene	166	6.035	6.035	0.0	86	211145	28.7	
80 1,3-Dichloropropane	76	6.118	6.118	0.0	94	305224	23.9	
81 2-Hexanone	43	6.180	6.190	-0.010	97	813457	109.6	
82 Chlorodibromomethane	129	6.294	6.294	0.0	89	182474	23.4	
83 Ethylene Dibromide	107	6.367	6.367	0.0	97	196833	25.9	
85 3-Chlorobenzotrifluoride	180	6.709	6.709	0.0	81	257615	0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
86 Chlorobenzene	112	6.729	6.729	0.0	88	534247	25.5	
87 4-Chlorobenzotrifluoride	180	6.761	6.761	0.0	86	259742	0	
89 1,1,1,2-Tetrachloroethane	131	6.802	6.802	0.0	40	183682	26.5	
88 Ethylbenzene	91	6.802	6.802	0.0	99	928901	25.4	
90 m-Xylene & p-Xylene	106	6.885	6.885	0.0	99	715260	51.3	
91 o-Xylene	106	7.206	7.206	0.0	98	348382	25.0	
92 Styrene	104	7.227	7.227	0.0	96	606051	25.4	
93 Bromoform	173	7.403	7.403	0.0	91	105943	22.0	
94 2-Chlorobenzotrifluoride	180	7.434	7.434	0.0	90	257096	0	
95 Isopropylbenzene	105	7.486	7.486	0.0	96	907450	26.0	
96 Cyclohexanone	55	7.631	7.631	0.0	93	648380	0	
97 Bromobenzene	156	7.755	7.755	0.0	96	221517	26.4	
98 1,1,2,2-Tetrachloroethane	83	7.797	7.797	0.0	82	265629	25.2	
99 N-Propylbenzene	91	7.818	7.817	0.001	99	1124527	26.6	
100 1,2,3-Trichloropropane	110	7.828	7.828	0.0	80	89961	27.7	
101 trans-1,4-Dichloro-2-butene	53	7.838	7.838	0.0	88	282242	113.2	
105 2-Chlorotoluene	126	7.900	7.900	0.0	95	211373	26.3	
103 3-Chlorotoluene	126	7.952	7.952	0.0	98	234715	0	
104 1,3,5-Trimethylbenzene	105	7.963	7.962	0.001	92	758998	27.0	
102 4-Chlorotoluene	91	7.983	7.994	-0.011	97	727407	24.8	
106 tert-Butylbenzene	134	8.222	8.222	0.0	92	158405	27.9	
107 1,2,4-Trimethylbenzene	105	8.263	8.263	0.0	97	775515	27.2	
108 Pentachloroethane	167	8.263	8.263	0.0	41	102764	0	
109 sec-Butylbenzene	105	8.398	8.398	0.0	95	964253	27.4	
110 1,3-Dichlorobenzene	146	8.502	8.501	0.001	95	423912	27.0	
111 4-Isopropyltoluene	119	8.522	8.522	0.0	97	808759	28.4	
112 Dicyclopentadiene	66	8.564	8.564	0.0	88	880279	0	
113 1,4-Dichlorobenzene	146	8.584	8.584	0.0	94	433961	26.7	
114 1,2,3-Trimethylbenzene	105	8.605	8.605	0.0	86	771740	0	
115 n-Butylbenzene	91	8.854	8.854	0.0	98	739861	27.8	
116 1,2-Dichlorobenzene	146	8.885	8.885	0.0	94	407166	27.6	
117 1,2-Dibromo-3-Chloropropane	75	9.559	9.558	0.001	77	43132	26.8	
118 1,3,5-Trichlorobenzene	180	9.673	9.673	0.0	92	243127	0	
119 1,2,4-Trichlorobenzene	180	10.201	10.201	0.0	94	224448	27.5	
120 Hexachlorobutadiene	225	10.315	10.315	0.0	94	104946	30.7	
121 Naphthalene	128	10.408	10.408	0.0	97	634111	25.0	
122 1,2,3-Trichlorobenzene	180	10.605	10.605	0.0	94	183448	25.9	
S 126 Xylenes, Total	1				0		76.2	
S 123 1,3-Dichloropropene, Total	1				0		47.9	
S 124 1,2-Dichloroethene, Total	1				0		50.7	

QC Flag Legend

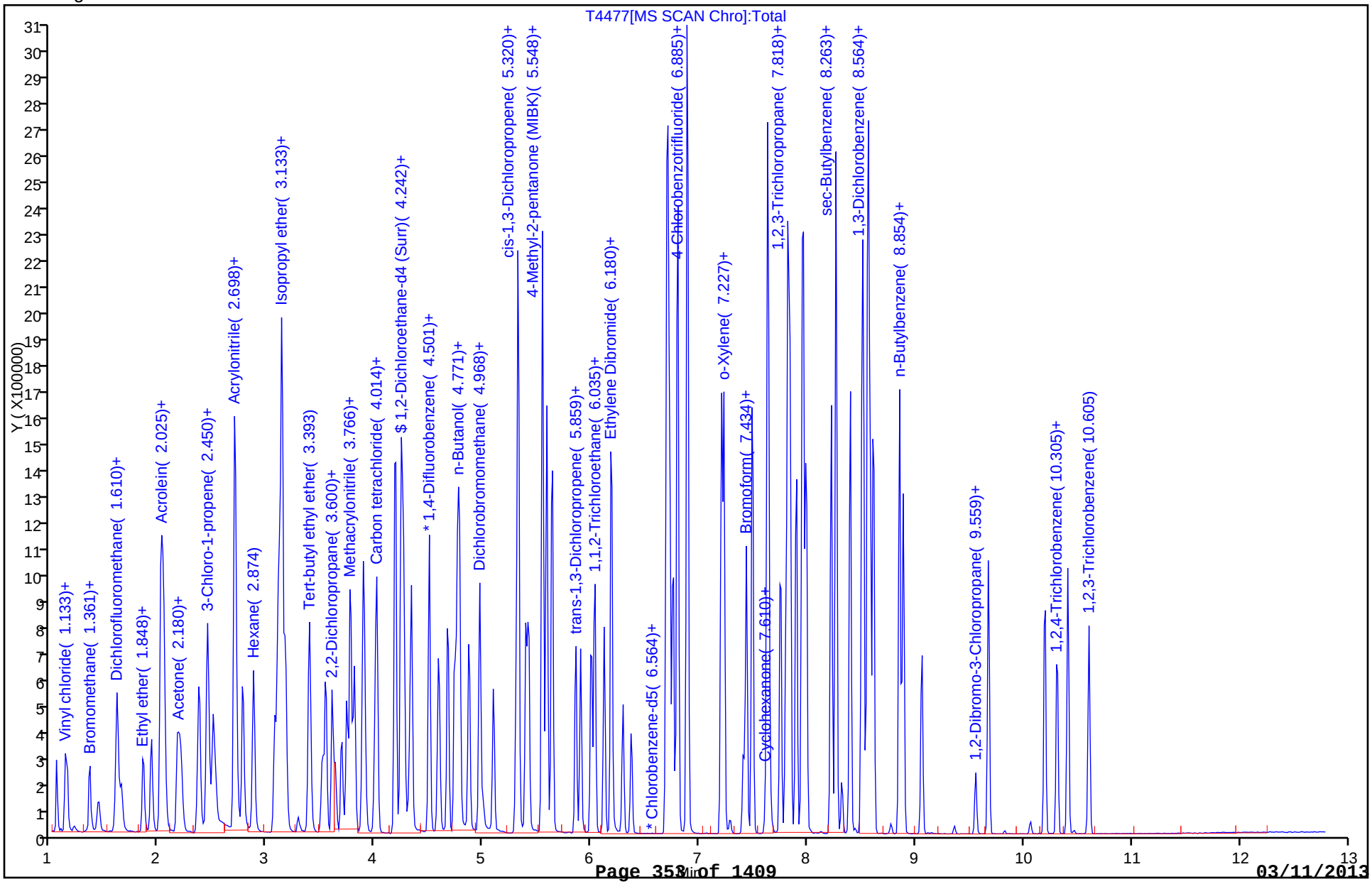
Processing Flags
2 - Failed Coelution Test

Report Date: 19-Dec-2012 23:23:36 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5975T\20121218-17648.b\T4477.D		
Injection Date:	18-Dec-2012 11:29:30	Limit Group:	MV - 8260MCP_RCP
Client ID:		Instrument ID:	HP5975T
Lims Batch ID:	96317	Lims Sample ID:	5
Operator ID:	LH	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.: 480-30106-1

SDG No.:

Instrument ID: HP5975T Start Date: 12/03/2012 11:40

Analysis Batch Number: 93813 End Date: 12/03/2012 23:26

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-93813/1		12/03/2012 11:40	1	T3852.D	ZB-624 (60) 0.25(mm)
IC 480-93813/4		12/03/2012 13:54	1	T3857.D	ZB-624 (60) 0.25(mm)
IC 480-93813/5		12/03/2012 14:18	1	T3858.D	ZB-624 (60) 0.25(mm)
ICIS 480-93813/6		12/03/2012 14:42	1	T3859.D	ZB-624 (60) 0.25(mm)
IC 480-93813/7		12/03/2012 15:06	1	T3860.D	ZB-624 (60) 0.25(mm)
IC 480-93813/8		12/03/2012 15:29	1	T3861.D	ZB-624 (60) 0.25(mm)
IC 480-93813/11		12/03/2012 17:52	1	T3867.D	ZB-624 (60) 0.25(mm)
IC 480-93813/12		12/03/2012 18:17	1	T3868.D	ZB-624 (60) 0.25(mm)
IC 480-93813/13		12/03/2012 18:40	1	T3869.D	ZB-624 (60) 0.25(mm)
IC 480-93813/14		12/03/2012 19:04	1	T3870.D	ZB-624 (60) 0.25(mm)
IC 480-93813/15		12/03/2012 19:28	1	T3871.D	ZB-624 (60) 0.25(mm)
IC 480-93813/16		12/03/2012 19:52	1	T3872.D	ZB-624 (60) 0.25(mm)
IC 480-93813/2		12/03/2012 20:40	1	T3874.D	ZB-624 (60) 0.25(mm)
IC 480-93813/3		12/03/2012 21:04	1	T3875.D	ZB-624 (60) 0.25(mm)
MDLV 480-93813/10		12/03/2012 23:26	1		ZB-624 (60) 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-30106-1

SDG No.:

Instrument ID: HP5975T Start Date: 12/18/2012 09:39

Analysis Batch Number: 96317 End Date: 12/18/2012 17:10

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-96317/1		12/18/2012 09:39	1	T4473.D	ZB-624 (60) 0.25(mm)
CCVIS 480-96317/2		12/18/2012 10:04	1	T4474.D	ZB-624 (60) 0.25(mm)
CCV 480-96317/3		12/18/2012 10:41	1	T4475.D	ZB-624 (60) 0.25(mm)
LCS 480-96335/1-A		12/18/2012 11:04	1	T4476.D	ZB-624 (60) 0.25(mm)
LCSD 480-96335/15-A		12/18/2012 11:29	1	T4477.D	ZB-624 (60) 0.25(mm)
MB 480-96335/2-A		12/18/2012 12:16	1	T4479.D	ZB-624 (60) 0.25(mm)
480-30106-4	OC-SB-514-0.0/1.0-XXX	12/18/2012 12:48	1	T4480.D	ZB-624 (60) 0.25(mm)
ZZZZZ		12/18/2012 13:12	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/18/2012 13:36	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/18/2012 14:00	1		ZB-624 (60) 0.25(mm)
480-30106-8	OC-SB-515-6.0/8.0-XXX	12/18/2012 14:24	1	T4484.D	ZB-624 (60) 0.25(mm)
480-30106-9	OC-SB-515-13/15-XXX	12/18/2012 14:48	1	T4485.D	ZB-624 (60) 0.25(mm)
ZZZZZ		12/18/2012 15:11	1		ZB-624 (60) 0.25(mm)
480-30106-11	OC-SB-516-6.0/8.0-XXX	12/18/2012 15:35	1	T4487.D	ZB-624 (60) 0.25(mm)
480-30106-12	OC-SB-516-15/17-XXX	12/18/2012 15:59	1	T4488.D	ZB-624 (60) 0.25(mm)
480-30106-13	OC-SB-517-0.0/1.0-XXX	12/18/2012 16:23	1	T4489.D	ZB-624 (60) 0.25(mm)
480-30106-14	OC-SB-517-6.0/8.0-XXX	12/18/2012 16:46	1	T4490.D	ZB-624 (60) 0.25(mm)
480-30106-15	OC-SB-517-18/20-XXX	12/18/2012 17:10	1	T4491.D	ZB-624 (60) 0.25(mm)

8260C

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-30106-1

SDG No.:

Batch Number: 96335 Batch Start Date: 12/18/12 09:04 Batch Analyst: Hill, Leah

Batch Method: 5035 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	TareWeight	Vial&SampleWt	InitialAmount	FinalAmount		
LCS 480-96335/1		5035, 8260C		29.22 g	34.26 g	5.04 g	10 mL		
MB 480-96335/2		5035, 8260C		29.45 g	34.55 g	5.1 g	10 mL		
480-30106-E-4	OC-SB-514-0.0/1.0-XXX	5035, 8260C	T	31.703 g	41.93 g	10.227 g	10 mL		
480-30106-C-8	OC-SB-515-6.0/8.0-XXX	5035, 8260C	T	31.377 g	42.03 g	10.653 g	10 mL		
480-30106-C-9	OC-SB-515-13/15-XXX	5035, 8260C	T	31.455 g	44.22 g	12.765 g	10 mL		
480-30106-C-11	OC-SB-516-6.0/8.0-XXX	5035, 8260C	T	31.260 g	42.48 g	11.22 g	10 mL		
480-30106-C-12	OC-SB-516-15/17-XXX	5035, 8260C	T	31.420 g	41.75 g	10.33 g	10 mL		
480-30106-E-13	OC-SB-517-0.0/1.0-XXX	5035, 8260C	T	31.769 g	40.30 g	8.531 g	10 mL		
480-30106-E-14	OC-SB-517-6.0/8.0-XXX	5035, 8260C	T	31.491 g	39.77 g	8.279 g	10 mL		
480-30106-E-15	OC-SB-517-18/20-XXX	5035, 8260C	T	31.540 g	41.59 g	10.05 g	10 mL		
LCSD 480-96335/15		5035, 8260C		29.40 g	34.41 g	5.01 g	10 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.: 480-30106-1

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-514-0.0/1.0-XXX	480-30106-4	67		54		53		89		74		73	
OC-SB-514-7.0/9.0-XXX	480-30106-5	71		52		49		76		85		98	
OC-SB-514-15/17-XXX	480-30106-6	70		67		78		77		81		102	
OC-SB-515-6.0/8.0-XXX	480-30106-8	74		55		68		84		66		94	
OC-SB-515-13/15-XXX	480-30106-9	88		83		68		81		87		117	
OC-SB-516-6.0/8.0-XXX	480-30106-11	71		55		66		81		73		96	
OC-SB-516-15/17-XXX	480-30106-12	55		62		60		68		66		91	
OC-SB-517-0.0/1.0-XXX	480-30106-13	60		62		65		78		59		61	
OC-SB-517-0.0/1.0-XXX DL	480-30106-13 DL	38		0	X	0	X	0	X	0	X	0	X
OC-SB-517-6.0/8.0-XXX	480-30106-14	72		72		60		89		79		73	
OC-SB-517-6.0/8.0-XXX DL	480-30106-14 DL	0	X	0	X	0	X	0	X	0	X	80	
OC-SB-517-18/20-XXX	480-30106-15	89		90		79		81		93		78	
	MB 480-96302/1-A	78		71		50		77		77		97	
	MB 480-96561/1-A	81		77		103		96		90		92	
	LCS 480-96302/2-A	72		68		68		82		75		96	
	LCS 480-96561/2-A	77		86		86		97		84		91	
	LCSD 480-96302/3-A	75		76		80		87		85		107	
	LCSD 480-96561/3-A	81		97		87		96		90		88	
OC-SB-514-15/17-XXX MS	480-30106-6 MS	70		77		67		77		71		104	
OC-SB-514-15/17-XXX MSD	480-30106-6 MSD	63		70		66		72		73		98	

	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.: 480-30106-1

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	
N-Nitrosodi-n-propylamine	65.6	45.3	69		
4-Chlorophenyl phenyl ether	65.6	47.8	73		
2,4-Dimethylphenol	65.6	41.5	63	30-130	
4-Chloro-3-methylphenol	65.6	52.6 J	80		
Isophorone	65.6	50.7	77	40-140	
Benzo[a]pyrene	65.6	51.3	78	40-140	
Fluorene	65.6	46.6	71	40-140	
4-Methylphenol	65.6	48.7	74		
4-Nitroaniline	65.6	48.3 J	74		
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	
2-Nitroaniline	65.6	54.4 J	83		
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	
4,6-Dinitro-2-methylphenol	65.6	55.7 J	85		
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	
N-Nitrosodiphenylamine	65.6	24.5 J	37		
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	
Azobenzene	65.6	62.2	95	40-140	
Naphthalene	65.6	48.9	75	40-140	
2,4,6-Trichlorophenol	65.6	53.9	82	30-130	
Hexachlorocyclopentadiene	65.6	35.3 J	54		
3-Nitroaniline	65.6	35.7 J	54		

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.: 480-30106-1

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	#
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	
N-Nitrosodimethylamine	65.6	31.1 J	47		
4-Bromophenyl phenyl ether	65.6	54.1	82	40-140	
Benzyl alcohol	65.6	ND	3		
Diethyl phthalate	65.6	51.0	78	40-140	
Benzoic acid	65.6	70.6 J	108		
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	
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	

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.: 480-30106-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: X3203.D

Lab ID: LCS 480-96561/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Bis(2-ethylhexyl) phthalate	265	231	87	40-140	
2,4,5-Trichlorophenol	265	247	93	30-130	
Aniline	291	225	77	40-140	
Hexachloroethane	265	210	79	40-140	
Dimethyl phthalate	265	239	90	40-140	
N-Nitrosodi-n-propylamine	265	239	90		
4-Chlorophenyl phenyl ether	265	238	90		
2,4-Dimethylphenol	265	240	91	30-130	
4-Chloro-3-methylphenol	265	241	91		
Isophorone	265	226	85	40-140	
Benzo[a]pyrene	265	235	89	40-140	
Fluorene	265	226	85	40-140	
4-Methylphenol	530	527	99		
4-Nitroaniline	265	171	65		
Dibenzofuran	265	253	95	40-140	
Acenaphthylene	265	246	93	40-140	
2,4-Dichlorophenol	265	228	86	30-130	
2-Nitroaniline	265	254	96		
Benzo[g,h,i]perylene	265	160	60	40-140	
Hexachlorobenzene	265	257	97	40-140	
Caprolactam	265	232	87		
Di-n-octyl phthalate	265	285	108	40-140	
Carbazole	265	219	83		
Hexachlorobutadiene	265	203	77	40-140	
Phenanthrene	265	253	95	40-140	
2-Nitrophenol	265	233	88	30-130	
4,6-Dinitro-2-methylphenol	265	189	71		
Benzo[k]fluoranthene	265	298	112	40-140	
1-Methylnaphthalene	530	503	95		
2,4-Dinitrophenol	265	251	95	30-130	
Anthracene	265	254	96	40-140	
N-Nitrosodiphenylamine	265	144	54		
2-Methylnaphthalene	265	203	77	40-140	
Di-n-butyl phthalate	265	273	103	40-140	
1,2,4-Trichlorobenzene	265	210	79	40-140	
Atrazine	265	218	82	40-140	
Pyrene	265	220	83	40-140	
2,4-Dinitrotoluene	265	236	89	40-140	
Dibenz(a,h)anthracene	265	168	63	40-140	
1,3-Dichlorobenzene	265	195	74	40-140	
Phenyl ether	265	326	123		
Benzaldehyde	265	238	90		

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.: 480-30106-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: X3203.D

Lab ID: LCS 480-96561/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Nitrobenzene	265	233	88	40-140	
Azobenzene	265	710	268	40-140	E *
Naphthalene	265	212	80	40-140	
2,4,6-Trichlorophenol	265	255	96	30-130	
Hexachlorocyclopentadiene	265	192	72		
3-Nitroaniline	260	175	67		
Pentachlorophenol	265	233	88	30-130	
Fluoranthene	265	209	79	40-140	
3,3'-Dichlorobenzidine	265	225	85	40-140	
N-Nitrosodimethylamine	265	189	71		
4-Bromophenyl phenyl ether	265	266	100	40-140	
Benzyl alcohol	265	176	66		
1,1'-Biphenyl	265	273	103		
2,3,4,6-Tetrachlorophenol	530	493	93		
Benzophenone	265	294	111		
Diethyl phthalate	265	240	90	40-140	
Benzoic acid	265	337	127		
2-Methylphenol	265	261	98	30-130	
1,2-Dichlorobenzene	265	204	77	40-140	
2,2'-oxybis[1-chloropropane]	265	194	73	40-140	
Acetophenone	530	502	95	40-140	
Bis(2-chloroethyl)ether	265	219	83	40-140	
Benzo[a]anthracene	265	277	105	40-140	
1,2-Diphenylhydrazine	530	709	134	40-140	E
Indeno[1,2,3-cd]pyrene	265	158	60	40-140	
Butyl benzyl phthalate	265	224	84	40-140	
Chrysene	265	236	89	40-140	
Acenaphthene	265	215	81	40-140	
Benzo[b]fluoranthene	265	248	94	40-140	
4-Nitrophenol	265	240	90	30-130	
4-Chloroaniline	254	190	75	40-140	
2-Chlorophenol	265	236	89	30-130	
2,6-Dinitrotoluene	265	123	46	40-140	
Phenol	265	234	88	30-130	
1,4-Dichlorobenzene	265	208	78	40-140	
Bis(2-chloroethoxy)methane	265	235	89	40-140	
2-Chloronaphthalene	265	219	83	40-140	
1,2,4,5-Tetrachlorobenzene	530	561	106		

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-30106-1

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	
N-Nitrosodi-n-propylamine	66.2	48.2	73	6			
4-Chlorophenyl phenyl ether	66.2	54.6	82	13			
2,4-Dimethylphenol	66.2	65.6	99	45	30	30-130	*
4-Chloro-3-methylphenol	66.2	61.1 J	92	15			
Isophorone	66.2	59.3	90	16	30	40-140	
Benzo[a]pyrene	66.2	56.2	85	9	30	40-140	
Fluorene	66.2	55.0	83	17	30	40-140	
4-Methylphenol	66.2	72.8	110	40			
4-Nitroaniline	66.2	57.4 J	87	17			
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	
2-Nitroaniline	66.2	55.7 J	84	2			
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	*
4,6-Dinitro-2-methylphenol	66.2	59.1 J	89	6			
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	
N-Nitrosodiphenylamine	66.2	25.6 J	39	4			
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	
Azobenzene	66.2	66.0	100	6	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	
Hexachlorocyclopentadiene	66.2	44.6 J	67	23			
3-Nitroaniline	66.2	39.1 J	59	9			

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.: 480-30106-1

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	#
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	
N-Nitrosodimethylamine	66.2	44.1	67	35			
4-Bromophenyl phenyl ether	66.2	61.2	92	12	30	40-140	
Benzyl alcohol	66.2	ND	0	200			
Diethyl phthalate	66.2	54.6	82	7	30	40-140	
Benzoic acid	66.2	76.1 J	115	7			
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	
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	

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.: 480-30106-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: X3204.D

Lab ID: LCSD 480-96561/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Bis(2-ethylhexyl) phthalate	265	254	96	9	30	40-140	
2,4,5-Trichlorophenol	265	254	96	3	30	30-130	
Aniline	291	237	81	5	30	40-140	
Hexachloroethane	265	216	81	3	30	40-140	
Dimethyl phthalate	265	256	96	7	30	40-140	
N-Nitrosodi-n-propylamine	265	237	90	1			
4-Chlorophenyl phenyl ether	265	239	90	0			
2,4-Dimethylphenol	265	249	94	3	30	30-130	
4-Chloro-3-methylphenol	265	275	104	13			
Isophorone	265	242	91	7	30	40-140	
Benzo[a]pyrene	265	248	93	5	30	40-140	
Fluorene	265	236	89	4	30	40-140	
4-Methylphenol	530	515	97	2			
4-Nitroaniline	265	184	69	7			
Dibenzofuran	265	256	97	1	30	40-140	
Acenaphthylene	265	254	96	3	30	40-140	
2,4-Dichlorophenol	265	246	93	8	30	30-130	
2-Nitroaniline	265	277	105	9			
Benzo[g,h,i]perylene	265	154	58	4	30	40-140	
Hexachlorobenzene	265	254	96	1	30	40-140	
Caprolactam	265	309	117	29			
Di-n-octyl phthalate	265	298	113	4	30	40-140	
Carbazole	265	226	85	3			
Hexachlorobutadiene	265	218	82	7	30	40-140	
Phenanthrene	265	255	96	1	30	40-140	
2-Nitrophenol	265	239	90	3	30	30-130	
4,6-Dinitro-2-methylphenol	265	221	83	15			
Benzo[k]fluoranthene	265	302	114	2	30	40-140	
1-Methylnaphthalene	530	486	92	3			
2,4-Dinitrophenol	265	116	44	74	30	30-130	*
Anthracene	265	259	98	2	30	40-140	
N-Nitrosodiphenylamine	265	145	55	1			
2-Methylnaphthalene	265	219	82	7	30	40-140	
Di-n-butyl phthalate	265	277	105	1	30	40-140	
1,2,4-Trichlorobenzene	265	223	84	6	30	40-140	
Atrazine	265	265	100	20	30	40-140	
Pyrene	265	239	90	9	30	40-140	
2,4-Dinitrotoluene	265	242	91	3	30	40-140	
Dibenz(a,h)anthracene	265	172	65	3	30	40-140	
1,3-Dichlorobenzene	265	204	77	4	30	40-140	
Phenyl ether	265	287	108	13			
Benzaldehyde	265	252	95	6			

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.: 480-30106-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: X3204.D

Lab ID: LCSD 480-96561/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Nitrobenzene	265	232	88	0	30	40-140	
Azobenzene	265	684	258	4	30	40-140	E *
Naphthalene	265	218	82	3	30	40-140	
2,4,6-Trichlorophenol	265	273	103	7	30	30-130	
Hexachlorocyclopentadiene	265	201	76	5			
3-Nitroaniline	260	235	90	29			
Pentachlorophenol	265	260	98	11	30	30-130	
Fluoranthene	265	205	77	2	30	40-140	
3,3'-Dichlorobenzidine	265	242	91	7	30	40-140	
N-Nitrosodimethylamine	265	194	73	3			
4-Bromophenyl phenyl ether	265	277	105	4	30	40-140	
Benzyl alcohol	265	143	54	21			
1,1'-Biphenyl	265	291	110	6			
2,3,4,6-Tetrachlorophenol	530	585	110	17			
Benzophenone	265	283	107	4			
Diethyl phthalate	265	253	95	5	30	40-140	
Benzoic acid	265	376	142	11			
2-Methylphenol	265	239	90	9	30	30-130	
1,2-Dichlorobenzene	265	212	80	4	30	40-140	
2,2'-oxybis[1-chloropropane]	265	209	79	7	30	40-140	
Acetophenone	530	540	102	7	30	40-140	
Bis(2-chloroethyl)ether	265	225	85	3	30	40-140	
Benzo[a]anthracene	265	278	105	0	30	40-140	
1,2-Diphenylhydrazine	530	682	129	4	30	40-140	E
Indeno[1,2,3-cd]pyrene	265	162	61	2	30	40-140	
Butyl benzyl phthalate	265	243	92	8	30	40-140	
Chrysene	265	261	98	10	30	40-140	
Acenaphthene	265	225	85	4	30	40-140	
Benzo[b]fluoranthene	265	267	101	7	30	40-140	
4-Nitrophenol	265	36.2 J	14	147	30	30-130	*
4-Chloroaniline	254	208	82	9	30	40-140	
2-Chlorophenol	265	243	92	3	30	30-130	
2,6-Dinitrotoluene	265	128	48	4	30	40-140	
Phenol	265	250	94	7	30	30-130	
1,4-Dichlorobenzene	265	207	78	0	30	40-140	
Bis(2-chloroethoxy)methane	265	235	89	0	30	40-140	
2-Chloronaphthalene	265	227	86	3	30	40-140	
1,2,4,5-Tetrachlorobenzene	530	604	114	7			

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-30106-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: X3172.D

Lab ID: 480-30106-6 MS Client ID: OC-SB-514-15/17-XXX MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Bis(2-ethylhexyl) phthalate	72.0	ND	ND	NC	40-140	
2,4,5-Trichlorophenol	72.0	ND	46.0	64	30-130	
Aniline	72.0	ND	37.3	52	40-140	
Hexachloroethane	72.0	ND	52.2	73	40-140	
Dimethyl phthalate	72.0	ND	56.5	79	40-140	
2,4-Dimethylphenol	72.0	ND	42.0	58	30-130	
Isophorone	72.0	ND	58.7	82	40-140	
Fluorene	72.0	ND	57.2	79	40-140	
Dibenzofuran	72.0	ND	58.1	81	40-140	
Acenaphthylene	72.0	ND	55.3	77	40-140	
2,4-Dichlorophenol	72.0	ND	31.7 J	44	30-130	
Benzo[g,h,i]perylene	72.0	ND	69.3	96	40-140	
Hexachlorobenzene	72.0	ND	70.0	97	40-140	
Di-n-octyl phthalate	72.0	ND	59.8	83	40-140	
Hexachlorobutadiene	72.0	ND	52.4	73	40-140	
Phenanthrene	72.0	ND	67.6	94	40-140	
2-Nitrophenol	72.0	ND	37.5	52	30-130	
Benzo[k]fluoranthene	72.0	ND	70.5	98	40-140	
2,4-Dinitrophenol	72.0	ND	ND	0	30-130	F
Anthracene	72.0	ND	63.3	88	40-140	
2-Methylnaphthalene	72.0	ND	61.6	86	40-140	
Di-n-butyl phthalate	72.0	ND	65.6 J	91	40-140	
1,2,4-Trichlorobenzene	72.0	ND	53.1	74	40-140	
Pyrene	72.0	ND	74.5	104	40-140	
2,4-Dinitrotoluene	72.0	ND	38.7	54	40-140	
Dibenz(a,h)anthracene	72.0	ND	62.6	87	40-140	
1,3-Dichlorobenzene	72.0	ND	48.3	67	40-140	
Nitrobenzene	72.0	ND	59.6	83	40-140	
Naphthalene	72.0	ND	54.6	76	40-140	
2,4,6-Trichlorophenol	72.0	ND	44.5	62	30-130	
Pentachlorophenol	72.0	ND	ND	0	30-130	F
Fluoranthene	72.0	ND	54.5	76	40-140	
3,3'-Dichlorobenzidine	72.0	ND	40.1 J	56	40-140	
4-Bromophenyl phenyl ether	72.0	ND	67.3	94	40-140	
Diethyl phthalate	72.0	ND	57.2	80	40-140	
2-Methylphenol	72.0	ND	44.1	61	30-130	
1,2-Dichlorobenzene	72.0	ND	55.4	77	40-140	
2,2'-oxybis[1-chloropropane]	72.0	ND	50.7	70	40-140	
Bis(2-chloroethyl)ether	72.0	ND	55.6	77	40-140	
Benzo[a]anthracene	72.0	ND	52.7	73	40-140	
Indeno[1,2,3-cd]pyrene	72.0	ND	30.9 J	43	40-140	
Butyl benzyl phthalate	72.0	ND	67.4	94	40-140	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-30106-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: X3172.D

Lab ID: 480-30106-6 MS Client ID: OC-SB-514-15/17-XXX MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Chrysene	72.0	ND	74.8	104	40-140	
Acenaphthene	72.0	ND	56.8	79	40-140	
Benzo[b]fluoranthene	72.0	ND	54.1	75	40-140	
4-Nitrophenol	72.0	ND	ND	0	30-130	F
4-Chloroaniline	72.0	ND	ND	0	40-140	F
2-Chlorophenol	72.0	ND	56.5	79	30-130	
2,6-Dinitrotoluene	72.0	ND	ND	0	40-140	F
Phenol	72.0	ND	41.3	57	30-130	
3 & 4 Methylphenol	72.0	ND	43.5	60	30-130	
1,4-Dichlorobenzene	72.0	ND	53.3	74	40-140	
Bis(2-chloroethoxy)methane	72.0	ND	53.3	74	40-140	
2-Chloronaphthalene	72.0	ND	35.8 J	50	40-140	
N-Nitrosodi-n-propylamine	72.0	ND	55.1	77		
4-Chlorophenyl phenyl ether	72.0	ND	60.2	84		
4-Chloro-3-methylphenol	72.0	ND	ND	0		
Benzo[a]pyrene	72.0	ND	36.9	51	40-140	
4-Methylphenol	72.0	ND	43.5	60		
4-Nitroaniline	72.0	ND	ND	0		
2-Nitroaniline	72.0	ND	ND	0		
4,6-Dinitro-2-methylphenol	72.0	ND	ND	0		
N-Nitrosodiphenylamine	72.0	ND	27.0 J	38		
Azobenzene	72.0	ND	69.5	97	40-140	
Hexachlorocyclopentadiene	72.0	ND	ND	0		
3-Nitroaniline	72.0	ND	ND	0		
N-Nitrosodimethylamine	72.0	ND	ND	0		
Benzyl alcohol	72.0	ND	ND	0		
Benzoic acid	72.0	ND	ND	0		

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-30106-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: X3173.D

Lab ID: 480-30106-6 MSD Client ID: OC-SB-514-15/17-XXX MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Bis(2-ethylhexyl) phthalate	71.5	74.3 J	NC	NC	30	40-140	
2,4,5-Trichlorophenol	71.5	ND	0	NC	30	30-130	F
Aniline	71.5	36.8	52	1	30	40-140	
Hexachloroethane	71.5	49.1	69	6	30	40-140	
Dimethyl phthalate	71.5	53.4	75	6	30	40-140	
2,4-Dimethylphenol	71.5	42.7	60	2	30	30-130	
Isophorone	71.5	51.9	73	12	30	40-140	
Fluorene	71.5	53.3	75	7	30	40-140	
Dibenzofuran	71.5	59.6	83	3	30	40-140	
Acenaphthylene	71.5	58.4	82	6	30	40-140	
2,4-Dichlorophenol	71.5	24.2 J	34	27	30	30-130	
Benzo[g,h,i]perylene	71.5	60.5	85	14	30	40-140	
Hexachlorobenzene	71.5	56.0	78	22	30	40-140	
Di-n-octyl phthalate	71.5	56.0	78	7	30	40-140	
Hexachlorobutadiene	71.5	51.5	72	2	30	40-140	
Phenanthrene	71.5	58.4	82	15	30	40-140	
2-Nitrophenol	71.5	43.4	61	14	30	30-130	
Benzo[k]fluoranthene	71.5	60.3	84	16	30	40-140	
2,4-Dinitrophenol	71.5	ND	0	NC	30	30-130	F
Anthracene	71.5	57.1	80	10	30	40-140	
2-Methylnaphthalene	71.5	60.4	84	2	30	40-140	
Di-n-butyl phthalate	71.5	61.0 J	85	7	30	40-140	
1,2,4-Trichlorobenzene	71.5	47.3	66	12	30	40-140	
Pyrene	71.5	68.4	96	9	30	40-140	
2,4-Dinitrotoluene	71.5	41.2	58	6	30	40-140	
Dibenz(a,h)anthracene	71.5	53.0	74	17	30	40-140	
1,3-Dichlorobenzene	71.5	46.1	65	4	30	40-140	
Nitrobenzene	71.5	52.9	74	12	30	40-140	
Naphthalene	71.5	50.6	71	8	30	40-140	
2,4,6-Trichlorophenol	71.5	37.3	52	18	30	30-130	
Pentachlorophenol	71.5	ND	0	NC	30	30-130	F
Fluoranthene	71.5	50.8	71	7	30	40-140	
3,3'-Dichlorobenzidine	71.5	37.4 J	52	7	30	40-140	
4-Bromophenyl phenyl ether	71.5	60.6	85	10	30	40-140	
Diethyl phthalate	71.5	56.8	80	1	30	40-140	
2-Methylphenol	71.5	45.9	64	4	30	30-130	
1,2-Dichlorobenzene	71.5	49.5	69	11	30	40-140	
2,2'-oxybis[1-chloropropane]	71.5	49.3	69	3	30	40-140	
Bis(2-chloroethyl)ether	71.5	60.4	85	8	30	40-140	
Benzo[a]anthracene	71.5	50.0	70	5	30	40-140	
Indeno[1,2,3-cd]pyrene	71.5	50.4	71	48	30	40-140	F
Butyl benzyl phthalate	71.5	64.8	91	4	30	40-140	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-30106-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: X3173.D

Lab ID: 480-30106-6 MSD Client ID: OC-SB-514-15/17-XXX MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Chrysene	71.5	69.7	98	7	30	40-140	
Acenaphthene	71.5	49.5	69	14	30	40-140	
Benzo[b]fluoranthene	71.5	51.4	72	5	30	40-140	
4-Nitrophenol	71.5	ND	0	NC	30	30-130	F
4-Chloroaniline	71.5	ND	0	NC	30	40-140	F
2-Chlorophenol	71.5	51.8	72	9	30	30-130	
2,6-Dinitrotoluene	71.5	ND	0	NC	30	40-140	F
Phenol	71.5	ND	0	NC	30	30-130	F
3 & 4 Methylphenol	71.5	33.6 J	47	26	30	30-130	
1,4-Dichlorobenzene	71.5	46.2	65	14	30	40-140	
Bis(2-chloroethoxy)methane	71.5	51.0	71	4	30	40-140	
2-Chloronaphthalene	71.5	32.7 J	46	9	30	40-140	
N-Nitrosodi-n-propylamine	71.5	52.2	73	5			
4-Chlorophenyl phenyl ether	71.5	59.8	84	1			
4-Chloro-3-methylphenol	71.5	11.5 J	16	NC			
Benzo[a]pyrene	71.5	39.7	56	7	30	40-140	
4-Methylphenol	71.5	33.6 J	47	26			
4-Nitroaniline	71.5	ND	0	NC			
2-Nitroaniline	71.5	ND	0	NC			
4,6-Dinitro-2-methylphenol	71.5	ND	0	NC			
N-Nitrosodiphenylamine	71.5	25.9 J	36	4			
Azobenzene	71.5	61.5	86	12	30	40-140	
Hexachlorocyclopentadiene	71.5	ND	0	NC			
3-Nitroaniline	71.5	ND	0	NC			
N-Nitrosodimethylamine	71.5	ND	0	NC			
Benzyl alcohol	71.5	ND	0	NC			
Benzoic acid	71.5	ND	0	NC			

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.: 480-30106-1

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-514-15/17-XXX MS	480-30106-6 MS	X3172.D	12/19/2012 18:29
OC-SB-514-15/17-XXX MSD	480-30106-6 MSD	X3173.D	12/19/2012 18:55
OC-SB-514-7.0/9.0-XXX	480-30106-5	X3174.D	12/19/2012 19:21
OC-SB-514-15/17-XXX	480-30106-6	X3175.D	12/19/2012 19:47
OC-SB-515-6.0/8.0-XXX	480-30106-8	X3176.D	12/19/2012 20:12
OC-SB-516-6.0/8.0-XXX	480-30106-11	X3178.D	12/19/2012 21:03
OC-SB-516-15/17-XXX	480-30106-12	X3179.D	12/19/2012 21:28
OC-SB-517-0.0/1.0-XXX	480-30106-13	X3180.D	12/19/2012 21:54
OC-SB-517-6.0/8.0-XXX	480-30106-14	X3181.D	12/19/2012 22:19
OC-SB-517-18/20-XXX	480-30106-15	X3182.D	12/19/2012 22:45
OC-SB-515-13/15-XXX	480-30106-9	X3192.D	12/20/2012 11:01
OC-SB-517-6.0/8.0-XXX DL	480-30106-14 DL	X3194.D	12/20/2012 11:52
OC-SB-517-0.0/1.0-XXX DL	480-30106-13 DL	X3201.D	12/20/2012 14:51

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-30106-1

SDG No.:

Lab File ID: X3202.D Lab Sample ID: MB 480-96561/1-A

Matrix: Solid Date Extracted: 12/19/2012 09:30

Instrument ID: HP5973X Date Analyzed: 12/20/2012 15:17

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-96561/2-A	X3203.D	12/20/2012 15:42
	LCSD 480-96561/3-A	X3204.D	12/20/2012 16:08
OC-SB-514-0.0/1.0-XXX	480-30106-4	X3205.D	12/20/2012 16:33

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

Lab Name: TestAmerica Buffalo Job No.: 480-30106-1

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.: 480-30106-1

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
OC-SB-514-15/17-XXX MS	480-30106-6 MS	X3172.D	12/19/2012	18:29
OC-SB-514-15/17-XXX MSD	480-30106-6 MSD	X3173.D	12/19/2012	18:55
OC-SB-514-7.0/9.0-XXX	480-30106-5	X3174.D	12/19/2012	19:21
OC-SB-514-15/17-XXX	480-30106-6	X3175.D	12/19/2012	19:47
OC-SB-515-6.0/8.0-XXX	480-30106-8	X3176.D	12/19/2012	20:12
OC-SB-516-6.0/8.0-XXX	480-30106-11	X3178.D	12/19/2012	21:03
OC-SB-516-15/17-XXX	480-30106-12	X3179.D	12/19/2012	21:28
OC-SB-517-0.0/1.0-XXX	480-30106-13	X3180.D	12/19/2012	21:54
OC-SB-517-6.0/8.0-XXX	480-30106-14	X3181.D	12/19/2012	22:19
OC-SB-517-18/20-XXX	480-30106-15	X3182.D	12/19/2012	22:45

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

Lab Name: TestAmerica Buffalo Job No.: 480-30106-1

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-515-13/15-XXX	480-30106-9	X3192.D	12/20/2012	11:01
OC-SB-517-6.0/8.0-XXX DL	480-30106-14 DL	X3194.D	12/20/2012	11:52
OC-SB-517-0.0/1.0-XXX DL	480-30106-13 DL	X3201.D	12/20/2012	14:51
	MB 480-96561/1-A	X3202.D	12/20/2012	15:17
	LCS 480-96561/2-A	X3203.D	12/20/2012	15:42
	LCSD 480-96561/3-A	X3204.D	12/20/2012	16:08
OC-SB-514-0.0/1.0-XXX	480-30106-4	X3205.D	12/20/2012	16:33

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

Lab Name: TestAmerica Buffalo Job No.: 480-30106-1

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.: 480-30106-1

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.: 480-30106-1

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
480-30106-6 MS	OC-SB-514-15/17-XXX MS	242394	6.57	905268	8.45	550321	11.11
480-30106-6 MSD	OC-SB-514-15/17-XXX MSD	271957	6.57	1019549	8.46	635719	11.09
480-30106-5	OC-SB-514-7.0/9.0-XXX	253657	6.58	882833	8.46	560493	11.10
480-30106-6	OC-SB-514-15/17-XXX	225796	6.57	839892	8.46	482512	11.11
480-30106-8	OC-SB-515-6.0/8.0-XXX	230215	6.57	824924	8.46	523830	11.11
480-30106-11	OC-SB-516-6.0/8.0-XXX	227614	6.57	793155	8.47	501409	11.11
480-30106-12	OC-SB-516-15/17-XXX	234435	6.57	894420	8.47	580538	11.10
480-30106-13	OC-SB-517-0.0/1.0-XXX	215541	6.55	797394	8.45	474740	11.10
480-30106-14	OC-SB-517-6.0/8.0-XXX	247258	6.56	900759	8.45	531108	11.10
480-30106-15	OC-SB-517-18/20-XXX	222782	6.57	843972	8.45	498549	11.08

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.: 480-30106-1

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
480-30106-6 MS	OC-SB-514-15/17-XXX MS	848530	13.11	530080	15.76	523793	17.04
480-30106-6 MSD	OC-SB-514-15/17-XXX MSD	1039831	13.11	653050	15.75	600566	17.04
480-30106-5	OC-SB-514-7.0/9.0-XXX	900890	13.12	590657	15.76	551072	17.05
480-30106-6	OC-SB-514-15/17-XXX	820132	13.12	522222	15.76	503888	17.05
480-30106-8	OC-SB-515-6.0/8.0-XXX	811501	13.12	529042	15.76	489549	17.04
480-30106-11	OC-SB-516-6.0/8.0-XXX	816063	13.11	536318	15.76	538332	17.04
480-30106-12	OC-SB-516-15/17-XXX	880858	13.11	562954	15.76	516397	17.04
480-30106-13	OC-SB-517-0.0/1.0-XXX	655237	13.11	717019	15.75	477801	17.03
480-30106-14	OC-SB-517-6.0/8.0-XXX	759502	13.11	629555	15.74	495229	17.02
480-30106-15	OC-SB-517-18/20-XXX	752833	13.10	597954	15.76	474247	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.: 480-30106-1

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						
480-30106-9	OC-SB-515-13/15-XXX	192775	6.56	734961	8.46	446282	11.08
480-30106-14 DL	OC-SB-517-6.0/8.0-XXX DL	161752	6.54	548982	8.44	364924	11.11
480-30106-13 DL	OC-SB-517-0.0/1.0-XXX DL	156145	6.55	532930	8.45	396236	11.12
MB 480-96561/1-A		175457	6.56	633704	8.45	352883	11.10
LCS 480-96561/2-A		208342	6.55	783539	8.45	465037	11.09
LCSD 480-96561/3-A		198182	6.56	746613	8.45	459413	11.09
480-30106-4	OC-SB-514-0.0/1.0-XXX	214575	6.56	757130	8.46	405914	11.10

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.: 480-30106-1

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						
480-30106-9	OC-SB-515-13/15-XXX	699165	13.10	444193	15.74	405607	17.02
480-30106-14 DL	OC-SB-517-6.0/8.0-XXX DL	674392	13.12	563065	15.75	535156	17.03
480-30106-13 DL	OC-SB-517-0.0/1.0-XXX DL	695667	13.13	625000	15.76	598205	17.04
MB 480-96561/1-A		503443	13.11	437519	15.75	487766	17.04
LCS 480-96561/2-A		656111	13.11	505522	15.75	573004	17.03
LCSD 480-96561/3-A		686463	13.10	479631	15.75	553861	17.03
480-30106-4	OC-SB-514-0.0/1.0-XXX	569687	13.10	523887	15.74	424712	17.02

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.: 480-30106-1

SDG No.:

Client Sample ID: OC-SB-514-0.0/1.0-XXX | Lab Sample ID: 480-30106-4

Matrix: Solid | Lab File ID: X3205.D

Analysis Method: 8270D | Date Collected: 12/12/2012 08:50

Extract. Method: 3546 | Date Extracted: 12/19/2012 09:30

Sample wt/vol: 000030.1(g) | Date Analyzed: 12/20/2012 16:33

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

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

% Moisture: 22.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 96803 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
117-81-7	Bis(2-ethylhexyl) phthalate	330		220	87
621-64-7	N-Nitrosodi-n-propylamine	ND		43	13
7005-72-3	4-Chlorophenyl phenyl ether	ND		43	13
59-50-7	4-Chloro-3-methylphenol	ND		86	13
50-32-8	Benzo[a]pyrene	ND		43	13
106-44-5	4-Methylphenol	ND		43	13
100-01-6	4-Nitroaniline	ND		220	36
88-74-4	2-Nitroaniline	ND		220	54
105-60-2	Caprolactam	ND		43	13
86-74-8	Carbazole	ND		43	13
534-52-1	4,6-Dinitro-2-methylphenol	ND		220	41
90-12-0	1-Methylnaphthalene	ND		43	13
86-30-6	N-Nitrosodiphenylamine	ND		43	13
1912-24-9	Atrazine	ND		43	13
101-84-8	Phenyl ether	ND		43	13
100-52-7	Benzaldehyde	ND		43	13
103-33-3	Azobenzene	ND	*	43	13
77-47-4	Hexachlorocyclopentadiene	ND		86	13
99-09-2	3-Nitroaniline	ND		220	13
62-75-9	N-Nitrosodimethylamine	ND		43	13
100-51-6	Benzyl alcohol	ND		86	13
92-52-4	1,1'-Biphenyl	ND		43	13
58-90-2	2,3,4,6-Tetrachlorophenol	ND		43	13
119-61-9	Benzophenone	ND		43	13
65-85-0	Benzoic acid	ND		220	19
95-95-4	2,4,5-Trichlorophenol	ND		43	14
62-53-3	Aniline	ND		43	13
67-72-1	Hexachloroethane	ND		43	13
131-11-3	Dimethyl phthalate	ND		43	13
105-67-9	2,4-Dimethylphenol	ND		43	13
78-59-1	Isophorone	ND		43	13
86-73-7	Fluorene	ND		43	13
132-64-9	Dibenzofuran	ND		43	13
208-96-8	Acenaphthylene	ND		43	13

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30106-1

SDG No.:

Client Sample ID: OC-SB-514-0.0/1.0-XXX | Lab Sample ID: 480-30106-4

Matrix: Solid | Lab File ID: X3205.D

Analysis Method: 8270D | Date Collected: 12/12/2012 08:50

Extract. Method: 3546 | Date Extracted: 12/19/2012 09:30

Sample wt/vol: 000030.1(g) | Date Analyzed: 12/20/2012 16:33

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

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

% Moisture: 22.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 96803 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
120-83-2	2,4-Dichlorophenol	ND		43	13
191-24-2	Benzo[g,h,i]perylene	ND		43	13
118-74-1	Hexachlorobenzene	ND		43	13
117-84-0	Di-n-octyl phthalate	ND		43	13
87-68-3	Hexachlorobutadiene	ND		43	13
85-01-8	Phenanthrene	ND		43	13
88-75-5	2-Nitrophenol	ND		43	17
207-08-9	Benzo[k]fluoranthene	ND		43	22
51-28-5	2,4-Dinitrophenol	ND	*	43	35
120-12-7	Anthracene	ND		43	13
91-57-6	2-Methylnaphthalene	ND		43	13
84-74-2	Di-n-butyl phthalate	ND		220	65
120-82-1	1,2,4-Trichlorobenzene	ND		43	13
129-00-0	Pyrene	20	J	43	13
121-14-2	2,4-Dinitrotoluene	ND		43	13
53-70-3	Dibenz(a,h)anthracene	ND		43	13
541-73-1	1,3-Dichlorobenzene	ND		43	13
98-95-3	Nitrobenzene	ND		43	13
91-20-3	Naphthalene	ND		43	13
88-06-2	2,4,6-Trichlorophenol	ND		43	18
87-86-5	Pentachlorophenol	ND		43	13
206-44-0	Fluoranthene	ND		43	13
91-94-1	3,3'-Dichlorobenzidine	ND		86	15
101-55-3	4-Bromophenyl phenyl ether	ND		43	13
84-66-2	Diethyl phthalate	ND		43	14
95-48-7	2-Methylphenol	ND		43	13
95-50-1	1,2-Dichlorobenzene	ND		43	13
108-60-1	2,2'-oxybis[1-chloropropane]	ND		43	13
98-86-2	Acetophenone	ND		43	13
111-44-4	Bis(2-chloroethyl)ether	ND		43	13
56-55-3	Benzo[a]anthracene	ND		43	13
122-66-7	1,2-Diphenylhydrazine	ND		43	13
193-39-5	Indeno[1,2,3-cd]pyrene	ND		43	13
85-68-7	Butyl benzyl phthalate	ND		43	13

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30106-1

SDG No.:

Client Sample ID: OC-SB-514-0.0/1.0-XXX | Lab Sample ID: 480-30106-4

Matrix: Solid | Lab File ID: X3205.D

Analysis Method: 8270D | Date Collected: 12/12/2012 08:50

Extract. Method: 3546 | Date Extracted: 12/19/2012 09:30

Sample wt/vol: 000030.1(g) | Date Analyzed: 12/20/2012 16:33

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

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

% Moisture: 22.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 96803 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
218-01-9	Chrysene	ND		43	13
83-32-9	Acenaphthene	ND		43	13
205-99-2	Benzo[b]fluoranthene	ND		43	13
100-02-7	4-Nitrophenol	ND	*	220	18
106-47-8	4-Chloroaniline	ND		86	39
95-57-8	2-Chlorophenol	ND		43	13
606-20-2	2,6-Dinitrotoluene	ND		43	36
108-95-2	Phenol	ND		43	13
15831-10-4	3 & 4 Methylphenol	ND		43	13
106-46-7	1,4-Dichlorobenzene	ND		43	13
111-91-1	Bis(2-chloroethoxy)methane	ND		43	13
91-58-7	2-Chloronaphthalene	ND		43	13
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		43	13

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	74		30-130
367-12-4	2-Fluorophenol	67		30-130
4165-60-0	Nitrobenzene-d5	53		30-130
4165-62-2	Phenol-d5	54		30-130
321-60-8	2-Fluorobiphenyl	89		30-130
1718-51-0	p-Terphenyl-d14	73		30-130

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

Lab Name: TestAmerica Buffalo | Job No.: 480-30106-1

SDG No.:

Client Sample ID: OC-SB-514-0.0/1.0-XXX | Lab Sample ID: 480-30106-4

Matrix: Solid | Lab File ID: X3205.D

Analysis Method: 8270D | Date Collected: 12/12/2012 08:50

Extract. Method: 3546 | Date Extracted: 12/19/2012 09:30

Sample wt/vol: 000030.1(g) | Date Analyzed: 12/20/2012 16:33

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

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

% Moisture: 22.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 96803 | Units: ug/Kg

Number TICs Found: 10 | TIC Result Total: 8793

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	3.85	64	T J
	Unknown	4.21	5300	T J
106-42-3	p-Xylene	4.65	2400	T J N
	Unknown	16.40	93	T J
1000163-4-7	Docosa-2,6,10,14,18-pentaen-22-al, 2,6,1	16.47	160	T J N
	Unknown	16.68	260	T J
	Unknown	17.09	50	T J
630-3-5	Nonacosane	17.28	86	T J N
	Unknown	17.51	110	T J
	Unknown	17.81	270	T J

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3205.D		
Lims ID:	480-30106-B-4-F	Client ID:	OC-SB-514-0.0/1.0-XXX
Inject. Date:	20-Dec-2012 16:33:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-0017736-015		
Misc. Info.:			
Operator:	ANM	Instrument ID:	HP5973X
Injection Vol:	1.0 ul	ALS Bottle#:	17
Lims Batch ID:	96803	Lims Sample ID:	15
Detector:	MS SCAN		

Method:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X-8270LL.m		
Last Update:	09-Mar-2013 09:29:35	Calib Date:	18-Dec-2012 14:44:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3139.D		
Limit Group:	MB - 8270RCP_MCP ICAL		
Integrator:	RTE	ID Type:	RT Order ID
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm
Process Host:	XAWRK034		

First Level Reviewer: mckernar Date: 04-Mar-2013 16:32:33

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.561	6.570	-0.009	84	214575	5.00	
* 2 Naphthalene-d8	136	8.463	8.439	0.024	96	757130	5.00	
* 3 Acenaphthene-d10	164	11.097	11.064	0.033	91	405914	5.00	
* 4 Phenanthrene-d10	188	13.104	13.080	0.024	93	569687	5.00	
* 5 Chrysene-d12	240	15.744	15.734	0.010	95	523887	5.00	
* 6 Perylene-d12	264	17.023	17.013	0.010	98	424712	5.00	
$ 7 2-Fluorophenol	112	4.687	4.682	0.005	1	65130	1.34	
$ 8 Phenol-d5	99	6.109	6.090	0.019	69	63935	1.08	
$ 9 Nitrobenzene-d5	82	7.412	7.393	0.019	81	60690	1.07	
$ 10 2-Fluorobiphenyl	172	10.113	10.075	0.038	92	181734	1.78	
$ 11 2,4,6-Tribromophenol	330	12.272	12.229	0.043	9	15548	1.48	
$ 12 p-Terphenyl-d14	244	14.773	14.759	0.014	94	148064	1.47	
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					
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					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					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					
41 2-Nitrophenol	139		7.892					
43 2,4-Dimethylphenol	107		8.001					
45 Bis(2-chloroethoxy)methane	93		8.125					
44 Benzoic acid	105		8.177					
47 2,4-Dichlorophenol	162		8.277					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					1
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					149
60 2,4,6-Trichlorophenol	196		9.970					
61 2,4,5-Trichlorophenol	196		10.056					
62 1,1'-Biphenyl	154	10.265	10.218	0.047	21	2238	0.0191	
63 2-Chloronaphthalene	162		10.265					9
64 Phenyl ether	170		10.384					
65 2-Nitroaniline	65		10.436					2
67 Dimethyl phthalate	163		10.722					
68 2,6-Dinitrotoluene	165		10.807					
69 Acenaphthylene	152		10.850					
70 3-Nitroaniline	138	11.183	11.069	0.114	0	1071	0.0453	
71 Acenaphthene	153		11.112					9
72 2,4-Dinitrophenol	184		11.240					149
73 Dibenzofuran	168		11.378					
74 2,4-Dinitrotoluene	165		11.416					14
75 4-Nitrophenol	109		11.454					
76 2,3,4,6-Tetrachlorophenol	232		11.597					
78 Diethyl phthalate	149		11.777					9
79 Fluorene	166		11.882					9
80 4-Chlorophenyl phenyl ether	204		11.901					
81 4-Nitroaniline	138		11.982					
82 4,6-Dinitro-2-methylphenol	198		12.010					149
83 N-Nitrosodiphenylamine	169		12.077					
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					
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					
102 Di-n-butyl phthalate	149		13.765					
104 Fluoranthene	202		14.388					
106 Pyrene	202	14.636	14.607	0.029	91	66141	0.4712	
108 Butyl benzyl phthalate	149		15.211					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
109 3,3'-Dichlorobenzidine	252		15.705					
110 Bis(2-ethylhexyl) phthalate	149	15.715	15.710	0.005	95	824177	7.71	
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					
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					
S 120 3 & 4 Methylphenol	108		0.000					

QC Flag Legend

Processing Flags
1 - Missing Peaks
2 - Failed Coelution Test
4 - Failed Signal Ratio Test
9 - Failed A Reference Spectral Test

TestAmerica Buffalo
Tentatively Identified Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3205.D		
Lims ID:	480-30106-B-4-F	Client ID:	OC-SB-514-0.0/1.0-XXX
Inject. Date:	20-Dec-2012 16:33:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-0017736-015		
Misc. Info.:			
Operator:	ANM	Instrument ID:	HP5973X
Injection Vol:	1.0 ul	ALS Bottle#:	17
Lims Batch ID:	96803	Lims Sample ID:	15
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X-8270LL.m		
Last Update:	09-Mar-2013 09:29:35	Calib Date:	18-Dec-2012 14:44:30
Tic RT Window:	1.500 -0.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\Bufchrom\ChromData\Database\NIST98.L		
Min. Match:	85		
Process Host:	XAWRK034		

First Level Reviewer: mckernar Date: 04-Mar-2013 16:32:33

Tentative Identified Compound Results

RT	Response	Amount ng/uL	Quant Cpnd	Qual	Lib Entry	Flags
		Unknown				
3.845	418880	1.48	1			
		Unknown				
4.207	35147356	123.9	1			
106-42-3		p-Xylene				
4.654	15509712	54.7	1	97	117404	
		Unknown				
16.400	439819	2.15	6			
1000163-4-7		Docosa-2,6,10,14,18-pentaen-22-al, 2,6,1				
16.466	748496	3.66	6	86	23027	
		Unknown				
16.680	1253364	6.13	6			
		Unknown				
17.094	238330	1.17	6			
630-3-5		Nonacosane				
17.284	408588	2.00	6	93	112560	
		Unknown				
17.513	508674	2.49	6			
		Unknown				
17.812	1304312	6.38	6			

Quantitation Compounds

Compound	RT	Response	Amount ng/uL

Report Date: 09-Mar-2013 09:29:38 Chrom Revision: 2.0 01-Feb-2013 10:03:10
Data File: \\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3205.D

Compound	RT	Response	Amount ng/uL
* 1 1,4-Dichlorobenzene-d4	6.561	1418392	5.00
* 6 Perylene-d12	17.023	1022548	5.00

QC Flag Legend

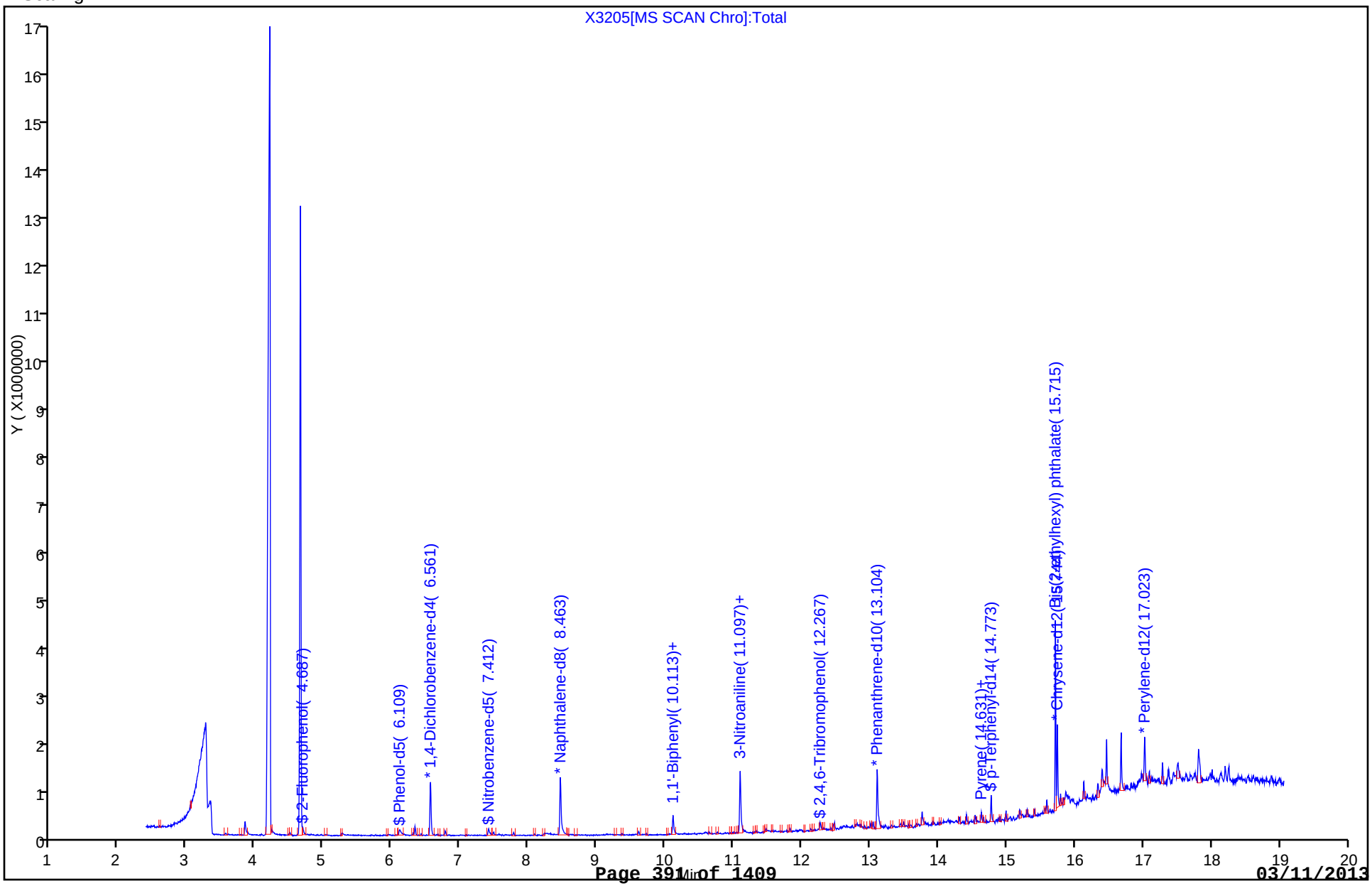
Processing Flags

Report Date: 09-Mar-2013 09:29:38 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3205.D		
Injection Date:	20-Dec-2012 16:33:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-514-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	15
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:

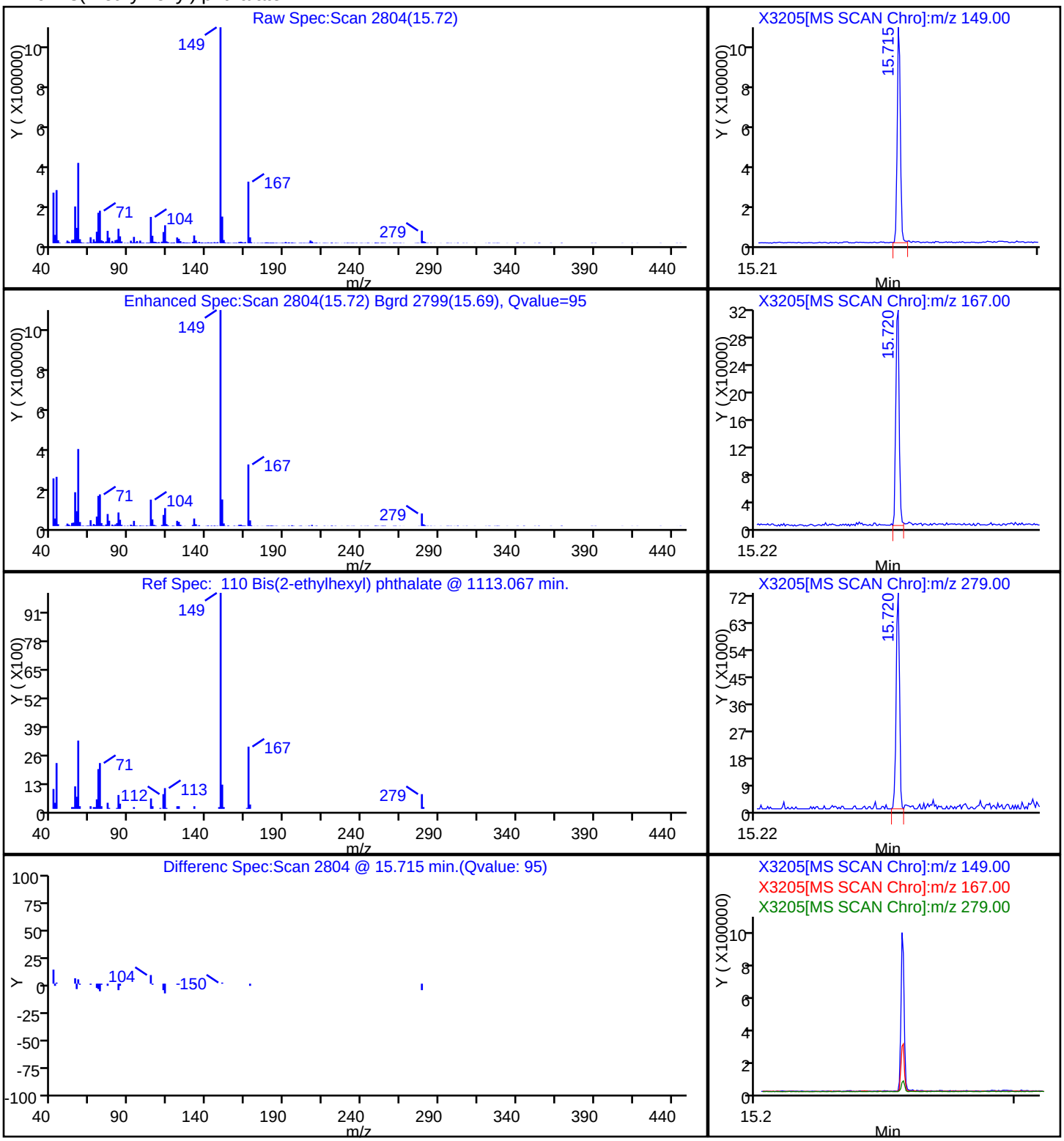


Report Date: 09-Mar-2013 09:29:39 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3205.D		
Injection Date:	20-Dec-2012 16:33:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-514-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	15
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

110 Bis(2-ethylhexyl) phthalate

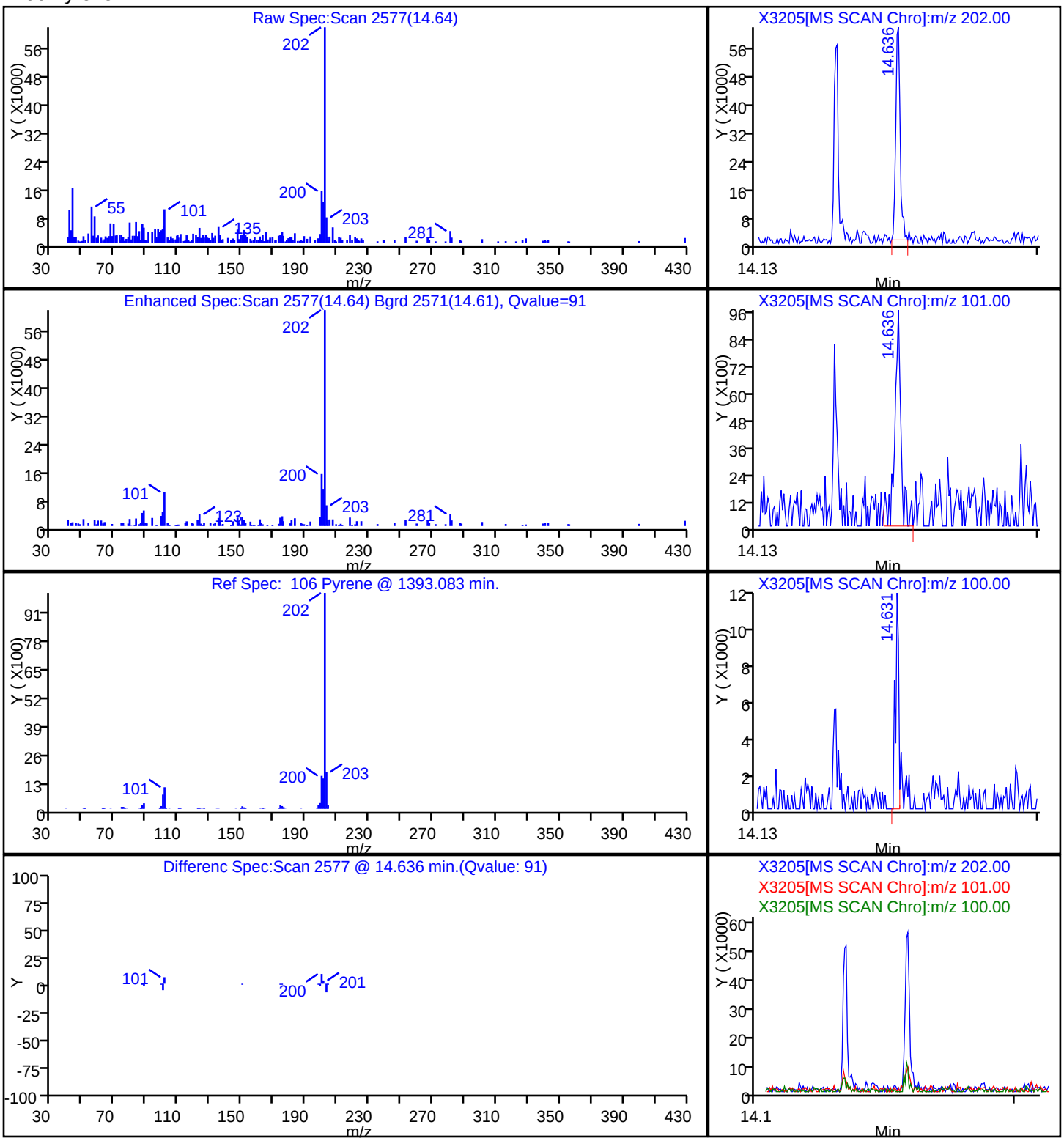


Report Date: 09-Mar-2013 09:29:39 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3205.D		
Injection Date:	20-Dec-2012 16:33:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-514-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	15
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

106 Pyrene

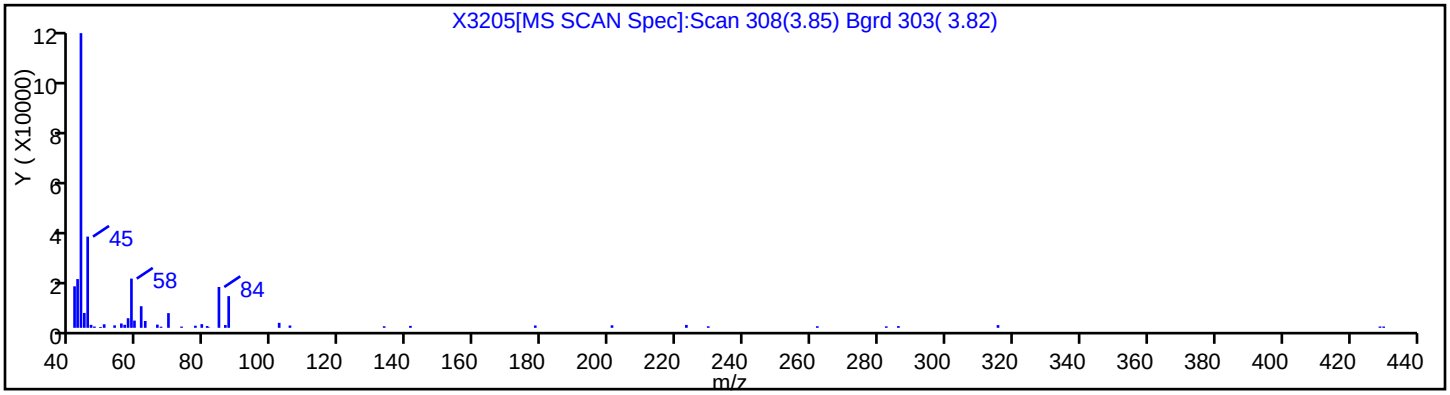


Report Date: 09-Mar-2013 09:29:39 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3205.D		
Injection Date:	20-Dec-2012 16:33:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-514-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	15
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85

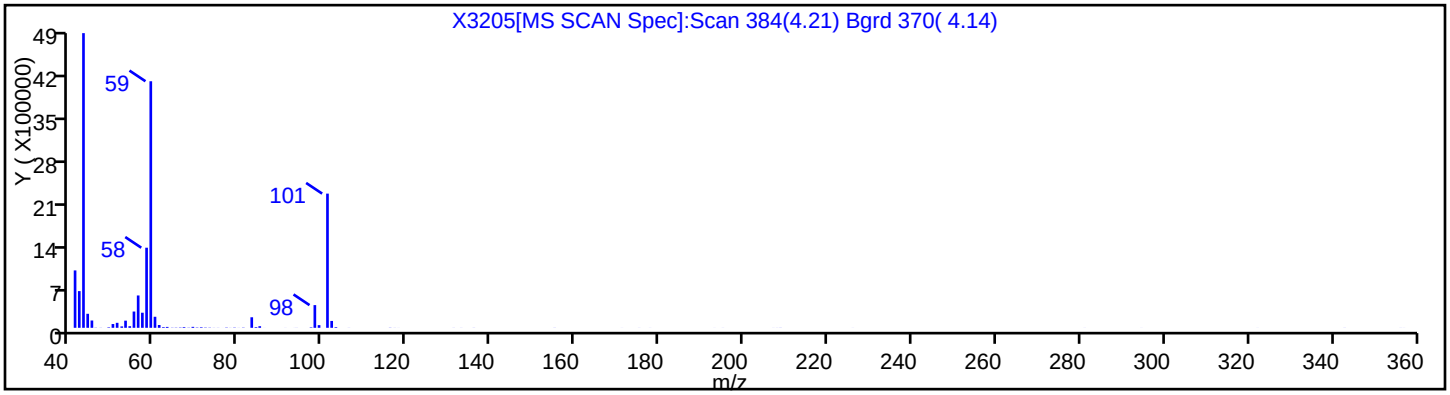


Report Date: 09-Mar-2013 09:29:39 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3205.D		
Injection Date:	20-Dec-2012 16:33:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-514-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	15
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85

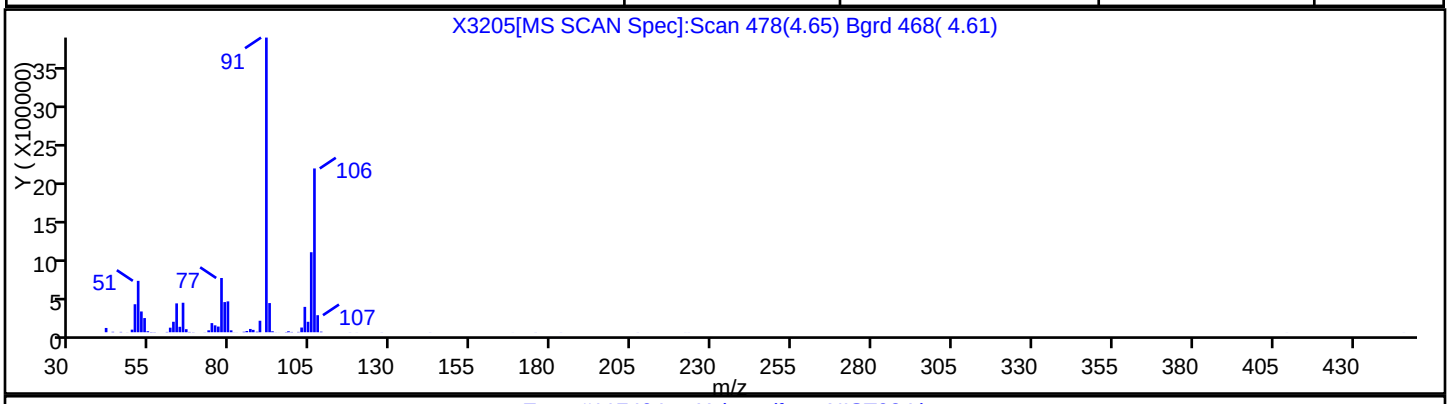


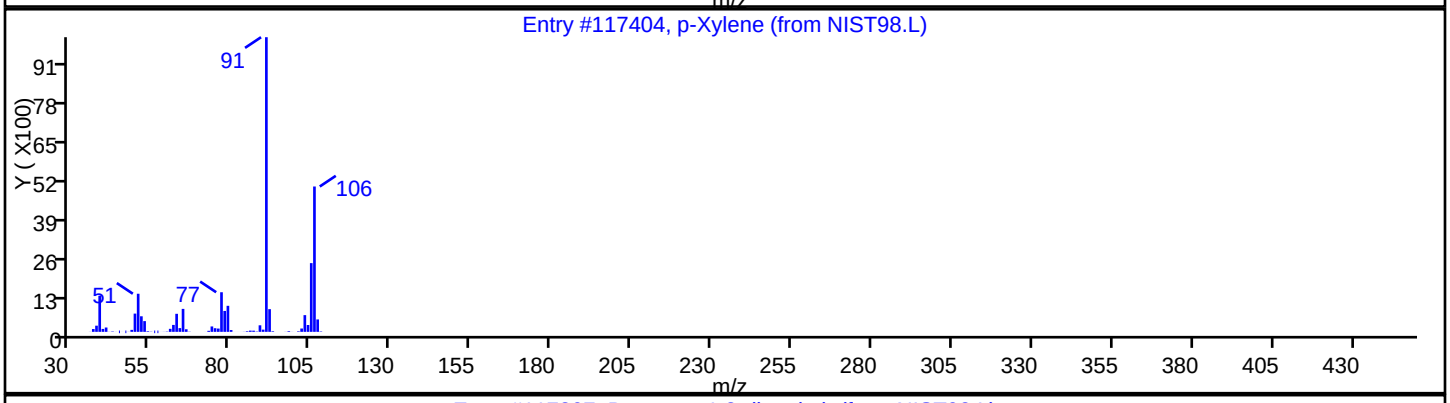
Report Date: 09-Mar-2013 09:29:39 Chrom Revision: 2.0 01-Feb-2013 10:03:10

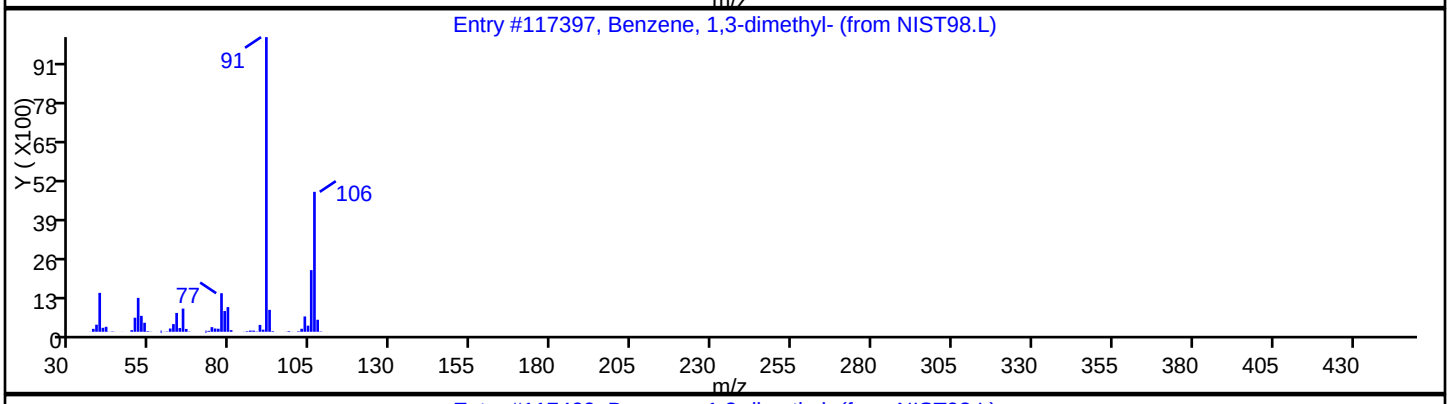
TestAmerica Buffalo

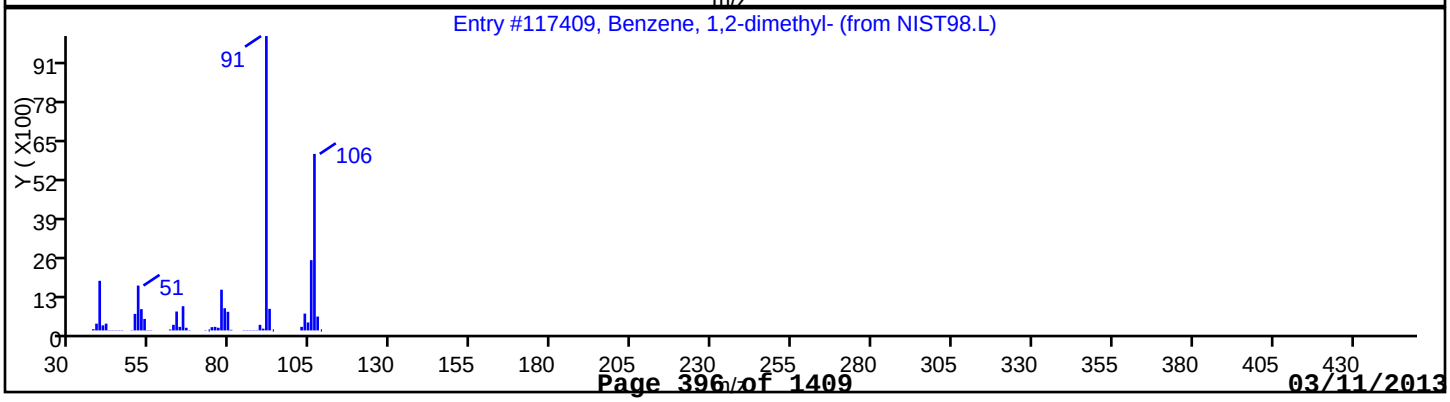
Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3205.D		
Injection Date:	20-Dec-2012 16:33:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-514-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	15
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
p-Xylene	106-42-3	NIST98.L	117404	97
Benzene, 1,3-dimethyl-	108-38-3	NIST98.L	117397	95
Benzene, 1,2-dimethyl-	95-47-6	NIST98.L	117409	95







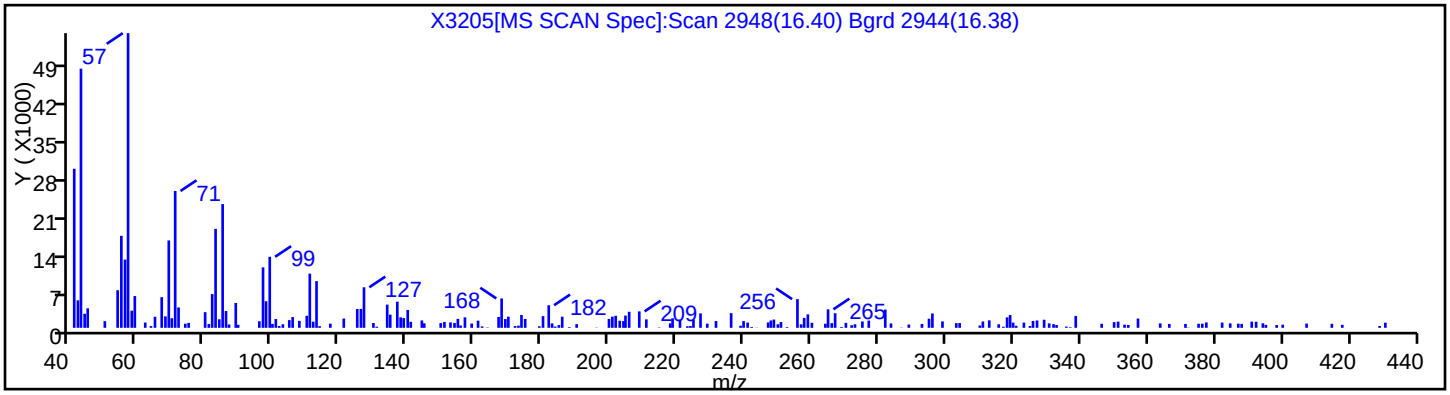


Report Date: 09-Mar-2013 09:29:39 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3205.D		
Injection Date:	20-Dec-2012 16:33:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-514-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	15
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85

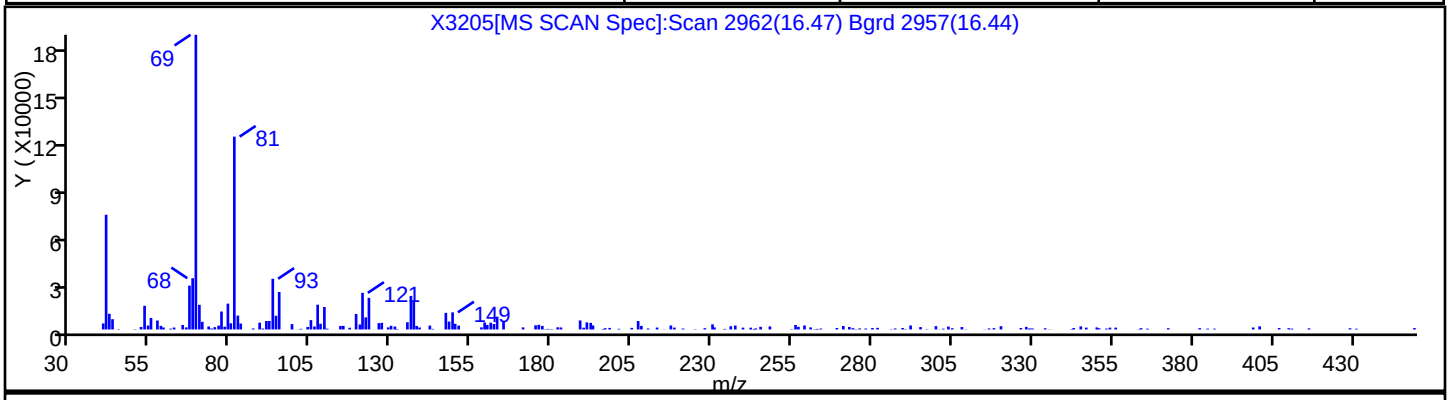


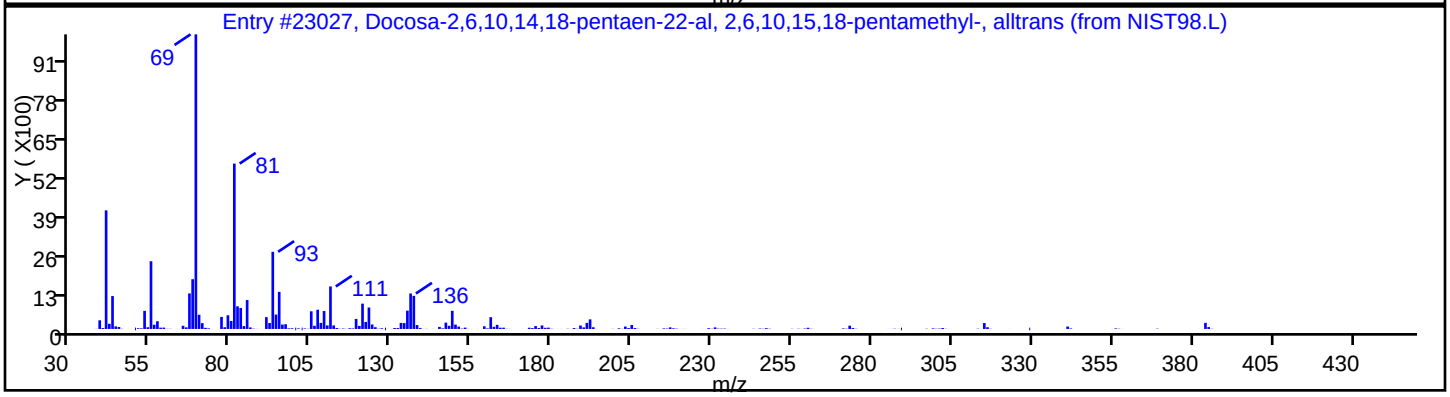
Report Date: 09-Mar-2013 09:29:39 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3205.D		
Injection Date:	20-Dec-2012 16:33:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-514-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	15
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
Docosa-2,6,10,14,18-pentaen-22-al, 2,6,1	1000163-4-7	NIST98.L	23027	86



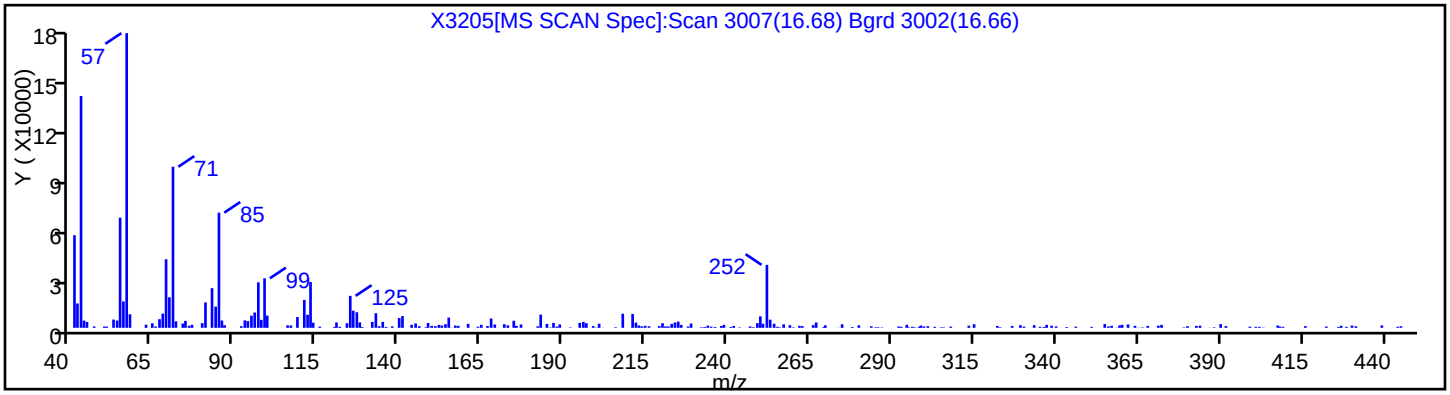


Report Date: 09-Mar-2013 09:29:39 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3205.D		
Injection Date:	20-Dec-2012 16:33:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-514-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	15
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85

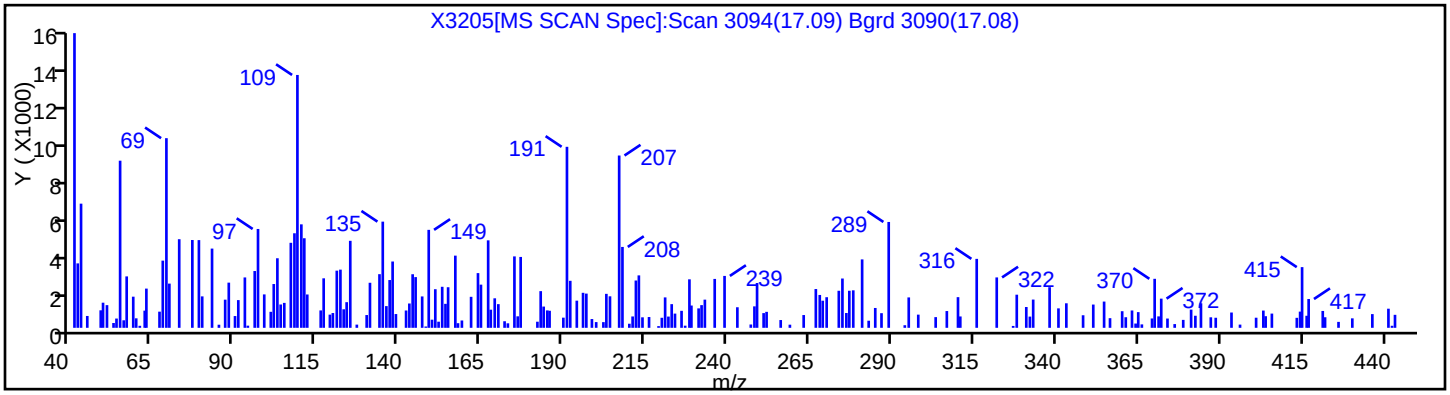


Report Date: 09-Mar-2013 09:29:39 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3205.D		
Injection Date:	20-Dec-2012 16:33:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-514-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	15
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85

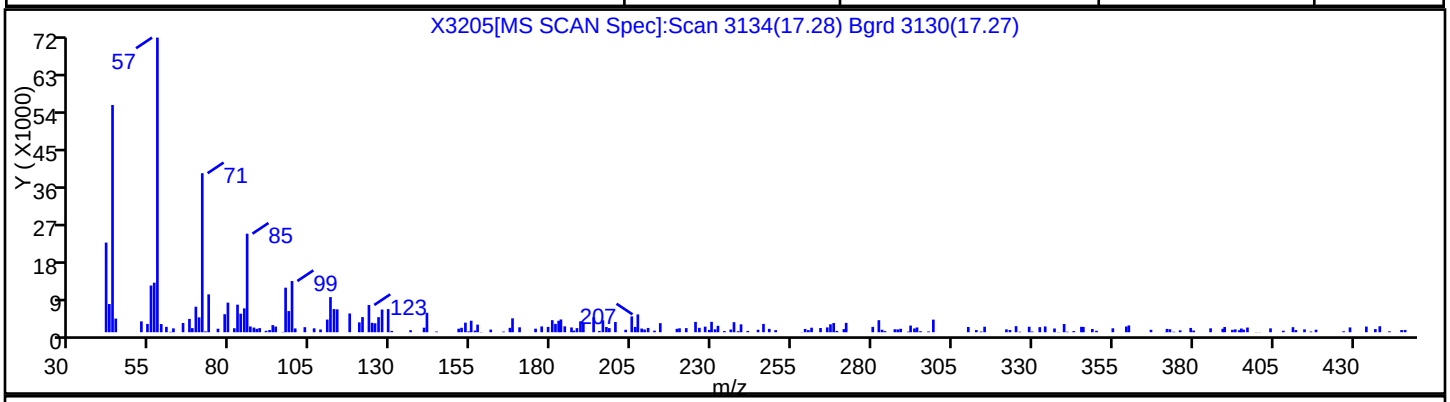


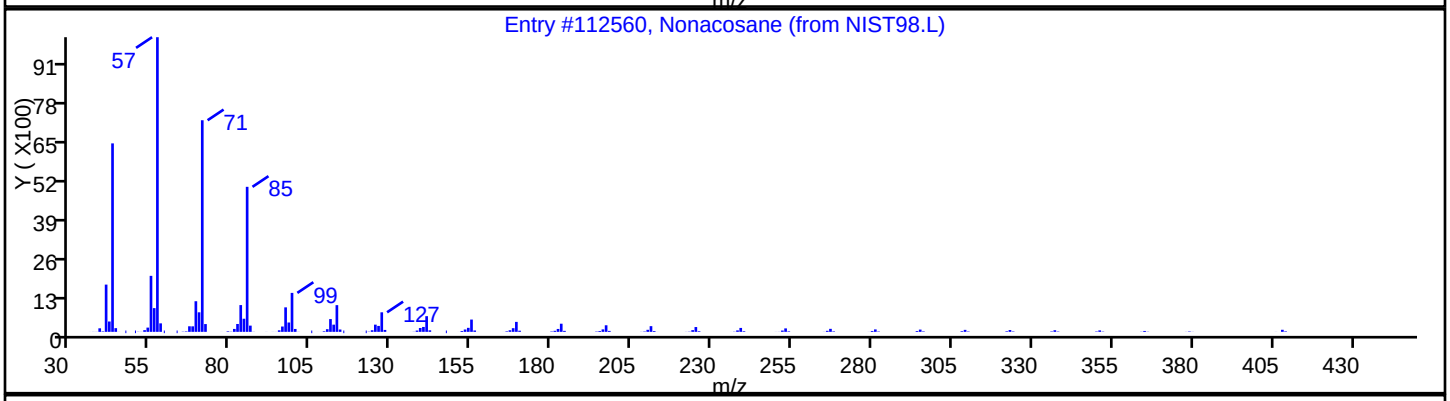
Report Date: 09-Mar-2013 09:29:39 Chrom Revision: 2.0 01-Feb-2013 10:03:10

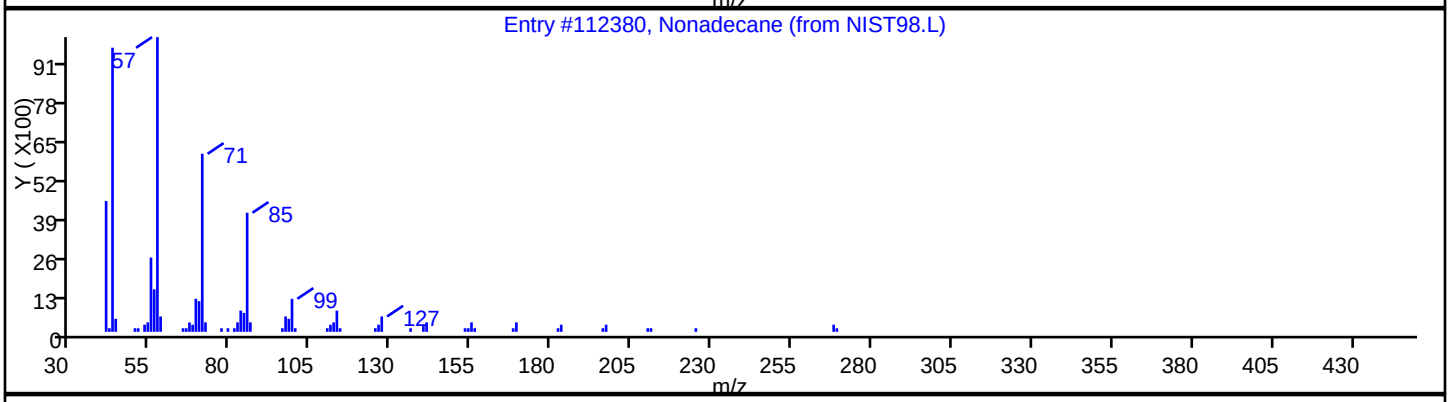
TestAmerica Buffalo

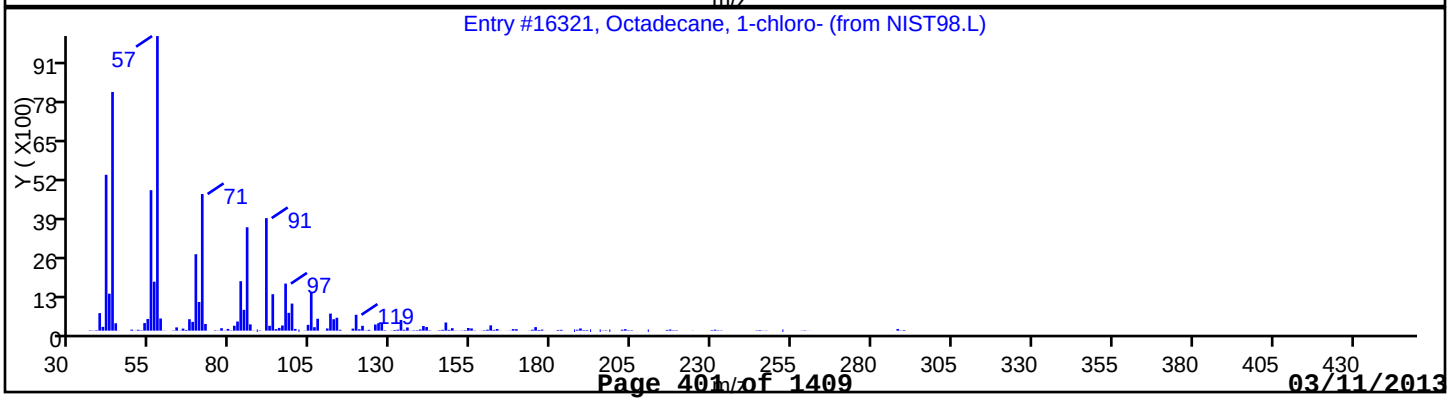
Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3205.D		
Injection Date:	20-Dec-2012 16:33:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-514-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	15
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Nonacosane	630-3-5	NIST98.L	112560	93
Nonadecane	629-92-5	NIST98.L	112380	89
Octadecane, 1-chloro-	3386-33-2	NIST98.L	16321	89







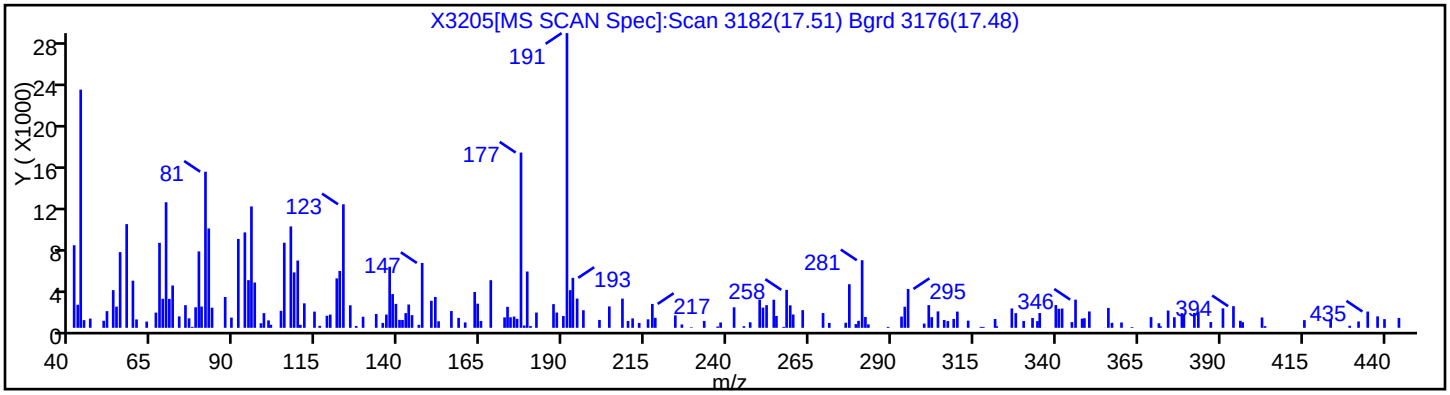


Report Date: 09-Mar-2013 09:29:39 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3205.D		
Injection Date:	20-Dec-2012 16:33:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-514-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	15
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85

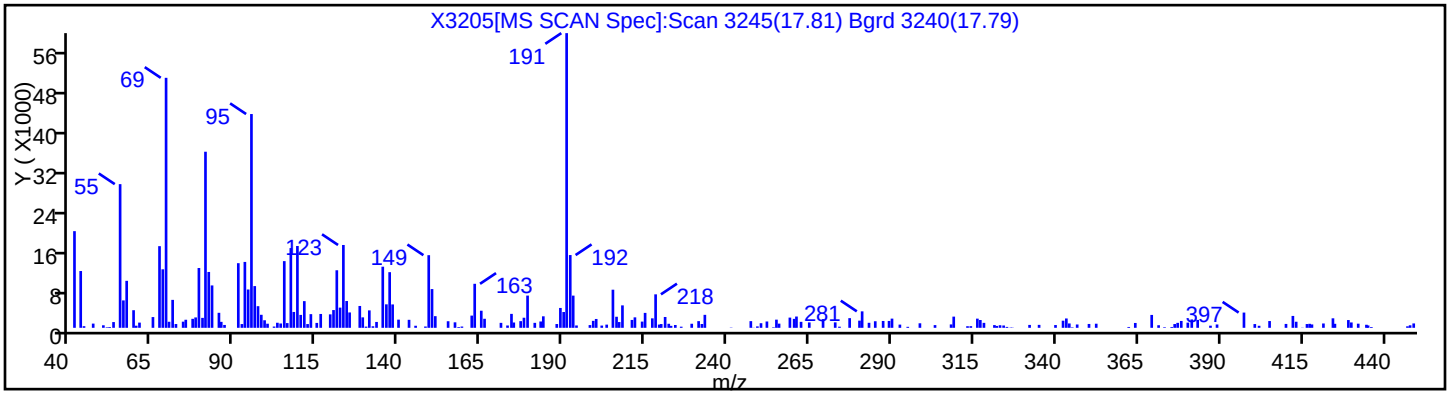


Report Date: 09-Mar-2013 09:29:39 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3205.D		
Injection Date:	20-Dec-2012 16:33:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-514-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	15
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.: 480-30106-1

SDG No.:

Client Sample ID: OC-SB-514-7.0/9.0-XXX | Lab Sample ID: 480-30106-5

Matrix: Solid | Lab File ID: X3174.D

Analysis Method: 8270D | Date Collected: 12/12/2012 09:00

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

Sample wt/vol: 000030.2(g) | Date Analyzed: 12/19/2012 19:21

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

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

% Moisture: 21.6 | 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		210	85
95-95-4	2,4,5-Trichlorophenol	ND		42	14
62-53-3	Aniline	ND		42	13
67-72-1	Hexachloroethane	ND		42	13
131-11-3	Dimethyl phthalate	ND		42	13
105-67-9	2,4-Dimethylphenol	ND	*	42	13
78-59-1	Isophorone	ND		42	13
86-73-7	Fluorene	ND		42	13
132-64-9	Dibenzofuran	ND		42	13
208-96-8	Acenaphthylene	ND		42	13
120-83-2	2,4-Dichlorophenol	ND		42	13
191-24-2	Benzo[g,h,i]perylene	ND		42	13
118-74-1	Hexachlorobenzene	ND		42	13
117-84-0	Di-n-octyl phthalate	ND		42	13
87-68-3	Hexachlorobutadiene	ND		42	13
85-01-8	Phenanthrene	ND		42	13
88-75-5	2-Nitrophenol	ND	*	42	16
207-08-9	Benzo[k]fluoranthene	ND		42	22
51-28-5	2,4-Dinitrophenol	ND	*	42	34
120-12-7	Anthracene	ND		42	13
91-57-6	2-Methylnaphthalene	ND		42	13
84-74-2	Di-n-butyl phthalate	ND		210	63
120-82-1	1,2,4-Trichlorobenzene	ND		42	13
129-00-0	Pyrene	ND		42	13
121-14-2	2,4-Dinitrotoluene	ND		42	13
53-70-3	Dibenz(a,h)anthracene	ND		42	13
541-73-1	1,3-Dichlorobenzene	ND		42	13
98-95-3	Nitrobenzene	ND		42	13
91-20-3	Naphthalene	ND		42	13
88-06-2	2,4,6-Trichlorophenol	ND		42	18
87-86-5	Pentachlorophenol	ND		42	13
206-44-0	Fluoranthene	ND		42	13
91-94-1	3,3'-Dichlorobenzidine	ND		84	15
101-55-3	4-Bromophenyl phenyl ether	ND		42	13

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30106-1

SDG No.:

Client Sample ID: OC-SB-514-7.0/9.0-XXX | Lab Sample ID: 480-30106-5

Matrix: Solid | Lab File ID: X3174.D

Analysis Method: 8270D | Date Collected: 12/12/2012 09:00

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

Sample wt/vol: 000030.2(g) | Date Analyzed: 12/19/2012 19:21

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

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

% Moisture: 21.6 | 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		42	14
95-48-7	2-Methylphenol	ND		42	13
95-50-1	1,2-Dichlorobenzene	ND		42	13
108-60-1	2,2'-oxybis[1-chloropropane]	ND		42	13
98-86-2	Acetophenone	ND		42	13
111-44-4	Bis(2-chloroethyl)ether	ND		42	13
56-55-3	Benzo[a]anthracene	ND		42	13
193-39-5	Indeno[1,2,3-cd]pyrene	ND		42	13
85-68-7	Butyl benzyl phthalate	ND		42	13
218-01-9	Chrysene	ND		42	13
83-32-9	Acenaphthene	ND		42	13
205-99-2	Benzo[b]fluoranthene	ND		42	13
100-02-7	4-Nitrophenol	ND	*	210	18
106-47-8	4-Chloroaniline	ND	*	84	38
95-57-8	2-Chlorophenol	ND		42	13
606-20-2	2,6-Dinitrotoluene	ND	*	42	35
108-95-2	Phenol	ND		42	13
15831-10-4	3 & 4 Methylphenol	ND		42	13
106-46-7	1,4-Dichlorobenzene	ND		42	13
111-91-1	Bis(2-chloroethoxy)methane	ND		42	13
91-58-7	2-Chloronaphthalene	ND		42	13
621-64-7	N-Nitrosodi-n-propylamine	ND		42	13
7005-72-3	4-Chlorophenyl phenyl ether	ND		42	13
59-50-7	4-Chloro-3-methylphenol	ND		84	13
50-32-8	Benzo[a]pyrene	ND		42	13
106-44-5	4-Methylphenol	ND		42	13
100-01-6	4-Nitroaniline	ND		210	35
88-74-4	2-Nitroaniline	ND		210	53
105-60-2	Caprolactam	ND		42	13
86-74-8	Carbazole	ND		42	13
534-52-1	4,6-Dinitro-2-methylphenol	ND		210	41
90-12-0	1-Methylnaphthalene	ND		42	13
86-30-6	N-Nitrosodiphenylamine	ND		42	13
1912-24-9	Atrazine	ND		42	13

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30106-1

SDG No.:

Client Sample ID: OC-SB-514-7.0/9.0-XXX | Lab Sample ID: 480-30106-5

Matrix: Solid | Lab File ID: X3174.D

Analysis Method: 8270D | Date Collected: 12/12/2012 09:00

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

Sample wt/vol: 000030.2(g) | Date Analyzed: 12/19/2012 19:21

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

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

% Moisture: 21.6 | 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		42	13
100-52-7	Benzaldehyde	ND		42	13
103-33-3	Azobenzene	ND		42	13
77-47-4	Hexachlorocyclopentadiene	ND		84	13
99-09-2	3-Nitroaniline	ND		210	13
62-75-9	N-Nitrosodimethylamine	ND		42	13
100-51-6	Benzyl alcohol	ND		84	13
92-52-4	1,1'-Biphenyl	ND		42	13
58-90-2	2,3,4,6-Tetrachlorophenol	ND		42	13
119-61-9	Benzophenone	ND		42	13
65-85-0	Benzoic acid	ND		210	19
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		42	13

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	85		30-130
367-12-4	2-Fluorophenol	71		30-130
4165-60-0	Nitrobenzene-d5	49		30-130
4165-62-2	Phenol-d5	52		30-130
321-60-8	2-Fluorobiphenyl	76		30-130
1718-51-0	p-Terphenyl-d14	98		30-130

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

Lab Name: TestAmerica Buffalo Job No.: 480-30106-1

SDG No.:

Client Sample ID: OC-SB-514-7.0/9.0-XXX Lab Sample ID: 480-30106-5

Matrix: Solid Lab File ID: X3174.D

Analysis Method: 8270D Date Collected: 12/12/2012 09:00

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

Sample wt/vol: 000030.2(g) Date Analyzed: 12/19/2012 19:21

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

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

% Moisture: 21.6 GPC Cleanup:(Y/N) N

Analysis Batch No.: 96568 Units: ug/Kg

Number TICs Found: 10 TIC Result Total: 4711

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	3.87	43	T J
	Unknown	4.23	4400	T J
108-38-3	Benzene, 1,3-dimethyl-	4.67	41	T J N
124-18-5	Decane	6.35	25	T J N
629-99-2	Pentacosane	15.59	32	T J N
1928-30-9	Tricosane, 2-methyl-	15.87	35	T J N
638-67-5	Tricosane	16.13	29	T J N
112-95-8	Eicosane	16.40	32	T J N
	Unknown	16.68	42	T J
	Unknown	16.98	32	T J

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3174.D		
Lims ID:	480-30106-B-5-B	Client ID:	OC-SB-514-7.0/9.0-XXX
Inject. Date:	19-Dec-2012 19:21:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-0017692-021		
Misc. Info.:			
Operator:	ANM	Instrument ID:	HP5973X
Injection Vol:	1.0 ul	ALS Bottle#:	22
Lims Batch ID:	96568	Lims Sample ID:	21
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 09:39:16

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.575	6.546	0.029	85	253657	5.00	
* 2 Naphthalene-d8	136	8.463	8.482	-0.019	96	882833	5.00	
* 3 Acenaphthene-d10	164	11.102	11.107	-0.005	90	560493	5.00	
* 4 Phenanthrene-d10	188	13.118	13.104	0.014	97	900890	5.00	
* 5 Chrysene-d12	240	15.763	15.753	0.010	94	590657	5.00	
* 6 Perylene-d12	264	17.047	17.037	0.010	95	551072	5.00	M
$ 7 2-Fluorophenol	112	4.706	4.620	0.086	0	81315	1.41	M
$ 8 Phenol-d5	99	6.133	6.056	0.077	83	72602	1.04	M
$ 9 Nitrobenzene-d5	82	7.421	7.407	0.014	74	64934	0.9810	
$ 10 2-Fluorobiphenyl	172	10.127	10.122	0.005	88	212838	1.51	M
$ 11 2,4,6-Tribromophenol	330	12.301	12.257	0.044	0	28298	1.71	M
$ 12 p-Terphenyl-d14	244	14.792	14.778	0.014	96	222573	1.95	
19 N-Nitrosodimethylamine	42		2.718					14
21 Benzaldehyde	77		5.895					19
23 Aniline	93		6.066					
22 Phenol	94		6.075					
24 Bis(2-chloroethyl)ether	93		6.170					19
25 2-Chlorophenol	128		6.237					
26 1,3-Dichlorobenzene	146		6.456					
27 1,4-Dichlorobenzene	146		6.575					
29 1,2-Dichlorobenzene	146		6.798					9
28 Benzyl alcohol	108		6.803					
31 2-Methylphenol	108		6.988					9
32 2,2'-oxybis[1-chloropropane]	45		6.998					
33 Acetophenone	105		7.179					29
34 N-Nitrosodi-n-propylamine	70		7.193					14
35 DFTPP								
36 4-Methylphenol	108		7.245					9
37 Hexachloroethane	117		7.302					1
38 Nitrobenzene	77		7.435					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
40 Isophorone	82		7.806					
41 2-Nitrophenol	139		7.925					
43 2,4-Dimethylphenol	107		8.039					9
45 Bis(2-chloroethoxy)methane	93		8.163					19
44 Benzoic acid	105		8.220					
47 2,4-Dichlorophenol	162		8.315					
48 1,2,4-Trichlorobenzene	180		8.405					
49 Naphthalene	128		8.515					
51 4-Chloroaniline	127		8.643					19
52 Hexachlorobutadiene	225		8.715					
54 Caprolactam	113		9.185					
55 4-Chloro-3-methylphenol	107		9.442					19
56 2-Methylnaphthalene	142		9.566					9
57 1-Methylnaphthalene	142		9.704					19
58 Hexachlorocyclopentadiene	237		9.794					
59 1,2,4,5-Tetrachlorobenzene	216		9.813					
60 2,4,6-Trichlorophenol	196		10.018					
61 2,4,5-Trichlorophenol	196		10.103					
62 1,1'-Biphenyl	154		10.265					19
63 2-Chloronaphthalene	162		10.312					9
64 Phenyl ether	170		10.427					14
65 2-Nitroaniline	65		10.484					19
67 Dimethyl phthalate	163		10.764					9
68 2,6-Dinitrotoluene	165		10.850					19
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					
74 2,4-Dinitrotoluene	165		11.459					19
75 4-Nitrophenol	109		11.487					149
76 2,3,4,6-Tetrachlorophenol	232		11.635					
78 Diethyl phthalate	149		11.810					9
79 Fluorene	166		11.915					9
80 4-Chlorophenyl phenyl ether	204		11.934					
81 4-Nitroaniline	138		12.015					19
82 4,6-Dinitro-2-methylphenol	198		12.043					
83 N-Nitrosodiphenylamine	169		12.105					19
16 1,2-Diphenylhydrazine	77		12.148					14
85 Azobenzene	77		12.148					14
86 Benzophenone	105		12.172					149
89 4-Bromophenyl phenyl ether	248		12.571					149
91 Hexachlorobenzene	284		12.633					
93 Atrazine	200		12.823					9
94 Pentachlorophenol	266		12.904					
97 Phenanthrene	178		13.128					
98 Anthracene	178		13.190					
99 Carbazole	167		13.399					149
102 Di-n-butyl phthalate	149		13.784					
104 Fluoranthene	202		14.407					
106 Pyrene	202		14.631					
108 Butyl benzyl phthalate	149		15.230					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
109 3,3'-Dichlorobenzidine	252		15.724					
110 Bis(2-ethylhexyl) phthalate	149	15.725	15.729	-0.004	75	25281	0.2098	
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					9
116 Benzo[a]pyrene	252		16.985					9
117 Indeno[1,2,3-cd]pyrene	276		18.126					9
118 Dibenz(a,h)anthracene	278		18.126					
119 Benzo[g,h,i]perylene	276		18.444					9
S 120 3 & 4 Methylphenol	108		0.000					

QC Flag Legend

Processing Flags
1 - Missing Peaks
2 - Failed Coelution Test
4 - Failed Signal Ratio Test
9 - Failed A Reference Spectral Test

Review Flags
M - Manually Integrated

TestAmerica Buffalo
Tentatively Identified Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3174.D		
Lims ID:	480-30106-B-5-B	Client ID:	OC-SB-514-7.0/9.0-XXX
Inject. Date:	19-Dec-2012 19:21:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-0017692-021		
Misc. Info.:			
Operator:	ANM	Instrument ID:	HP5973X
Injection Vol:	1.0 ul	ALS Bottle#:	22
Lims Batch ID:	96568	Lims Sample ID:	21
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 09:39:16

Tentative Identified Compound Results

RT	Response	Amount ng/uL	Quant Cpnd	Qual	Lib Entry	Flags
		Unknown				
3.869	343571	1.01	1			
		Unknown				
4.226	35480981	104.6	1			
108-38-3		Benzene, 1,3-dimethyl-				
4.673	327808	0.9666	1	87	117397	
124-18-5		Decane				
6.347	199646	0.5887	1	86	112241	
629-99-2		Pentacosane				
15.591	274060	0.7469	5	92	17109	
1928-30-9		Tricosane, 2-methyl-				
15.867	300400	0.8187	5	93	109646	
638-67-5		Tricosane				
16.134	249516	0.6800	5	93	109662	
112-95-8		Eicosane				
16.400	279512	0.7618	5	86	112344	
		Unknown				
16.680	258989	1.00	6			
		Unknown				
16.975	198290	0.7660	6			

Quantitation Compounds

Compound	RT	Response	Amount ng/uL

Report Date: 09-Mar-2013 09:48:31 Chrom Revision: 2.0 01-Feb-2013 10:03:10
Data File: \\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3174.D

Compound	RT	Response	Amount ng/uL
* 1 1,4-Dichlorobenzene-d4	6.570	1695718	5.00
* 5 Chrysene-d12	15.763	1834589	5.00
* 6 Perylene-d12	17.047	1294365	5.00

QC Flag Legend

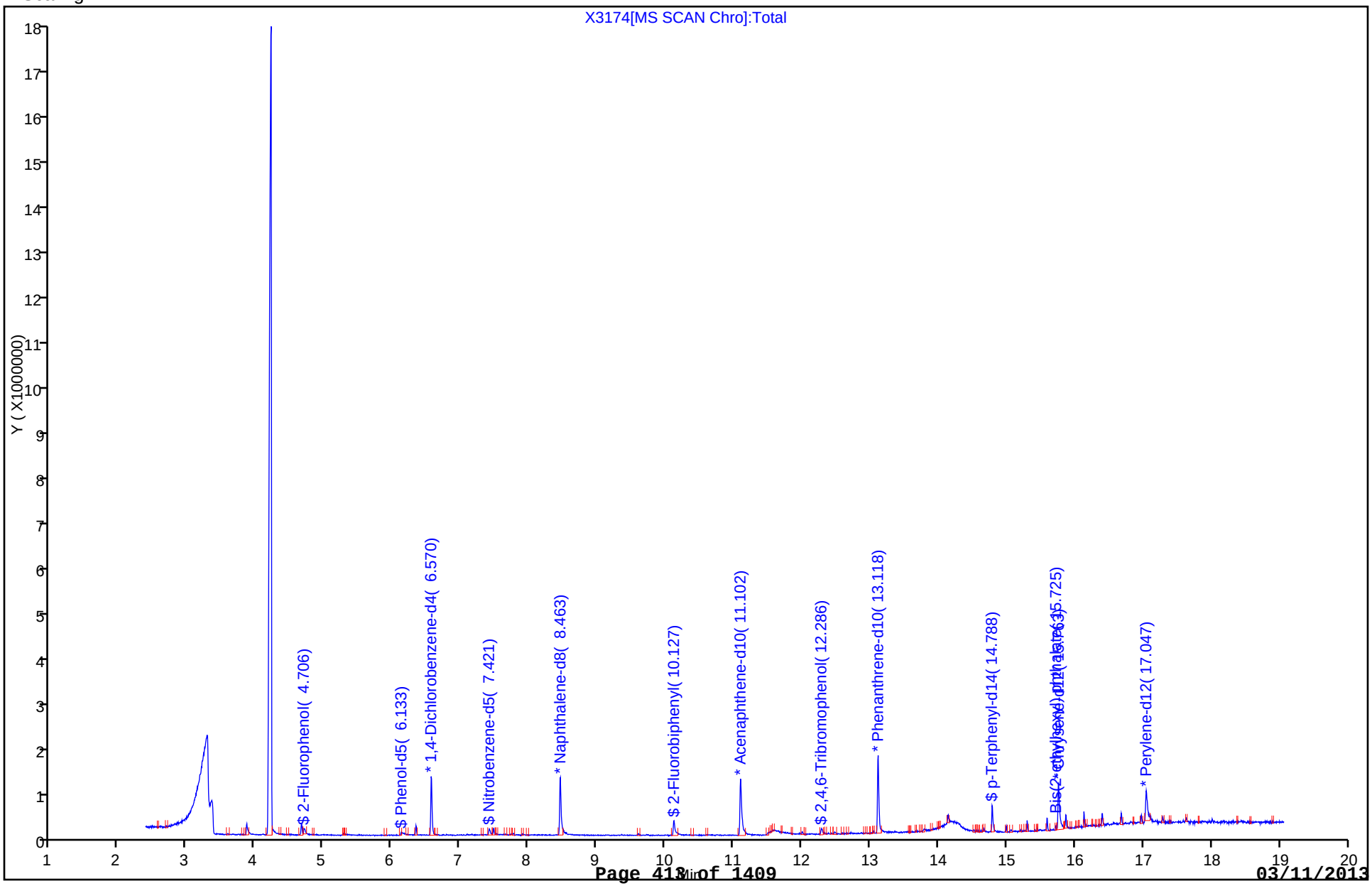
Processing Flags

Report Date: 09-Mar-2013 09:48:31 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3174.D		
Injection Date:	19-Dec-2012 19:21:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-514-7.0/9.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	21
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 09:48:31 Chrom Revision: 2.0 01-Feb-2013 10:03:10

Manual Integration/User Assign Peak Report

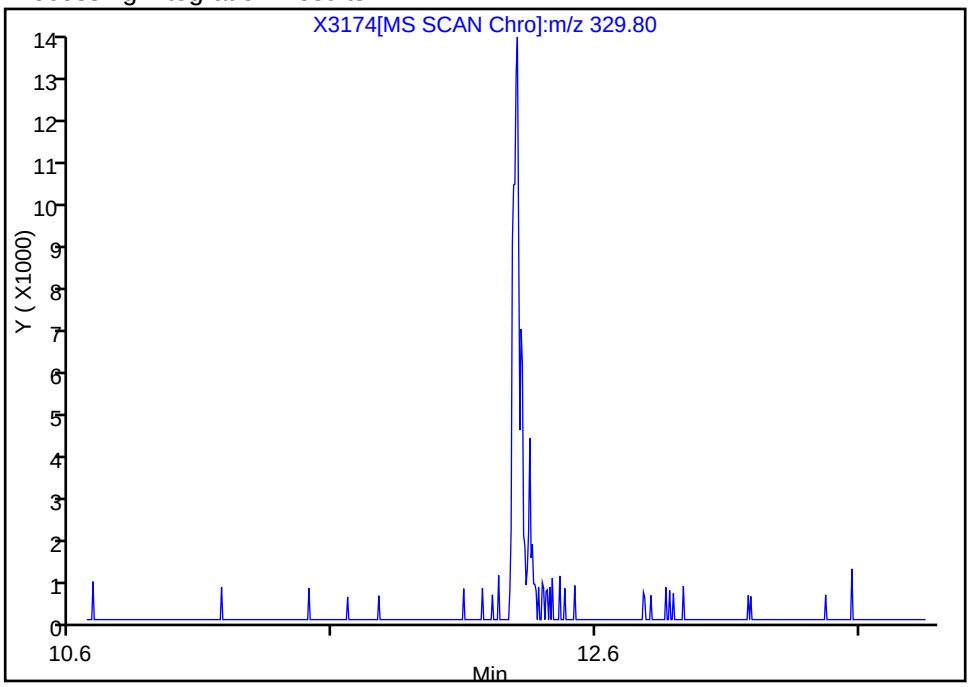
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3174.D		
Injection Date:	19-Dec-2012 19:21:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-514-7.0/9.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	21
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

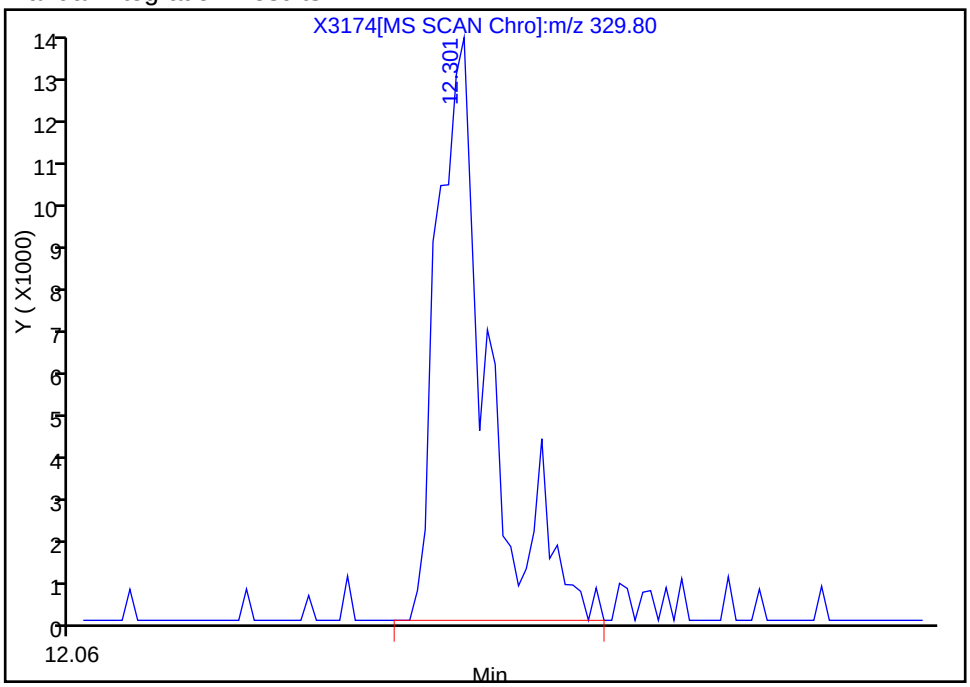
Processing Integration Results

Not Detected
Expected RT: 12.26



Manual Integration Results

RT: 12.30
Response: 28298
Amount: 1.707493



Reviewer: mckernar, 20-Dec-2012 09:39:16
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 09-Mar-2013 09:48:31 Chrom Revision: 2.0 01-Feb-2013 10:03:10

Manual Integration/User Assign Peak Report

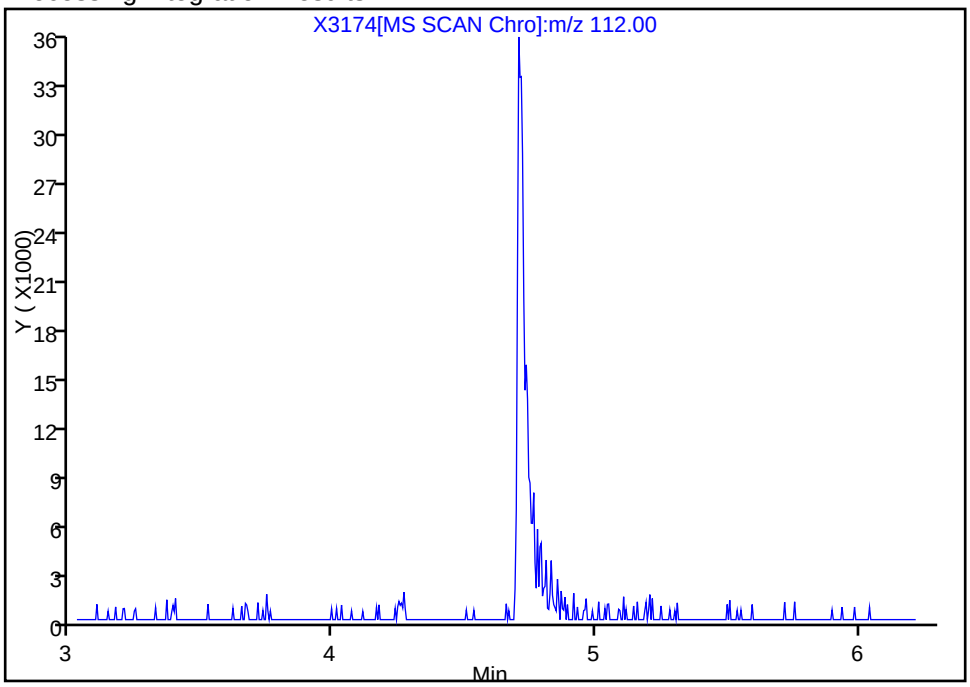
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3174.D		
Injection Date:	19-Dec-2012 19:21:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-514-7.0/9.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	21
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

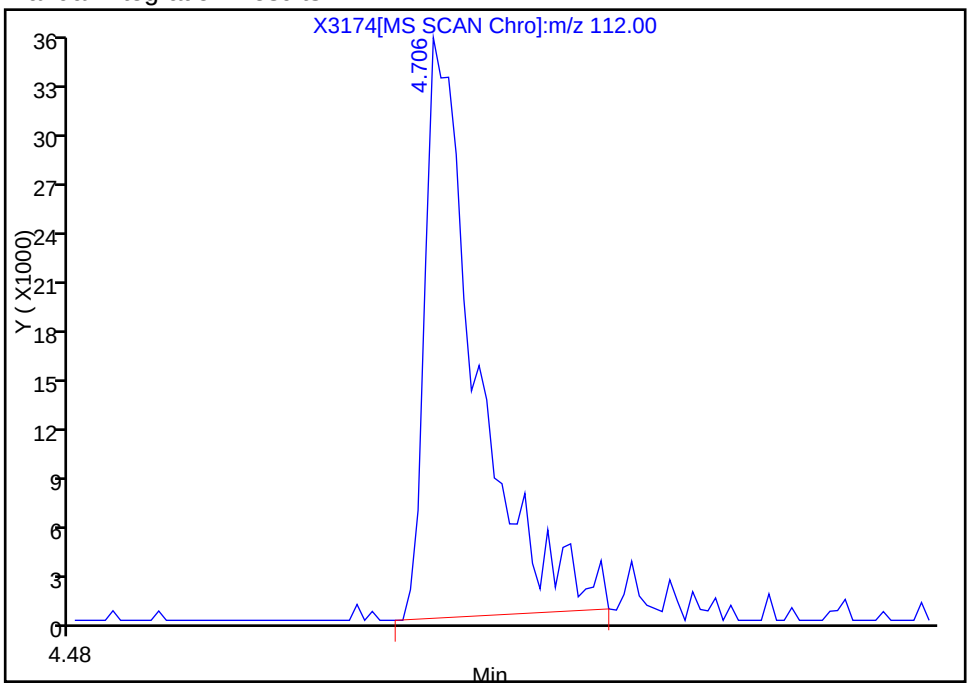
Processing Integration Results

Not Detected
Expected RT: 4.62



Manual Integration Results

RT: 4.71
Response: 81315
Amount: 1.412632



Reviewer: mckernar, 20-Dec-2012 09:39:16
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

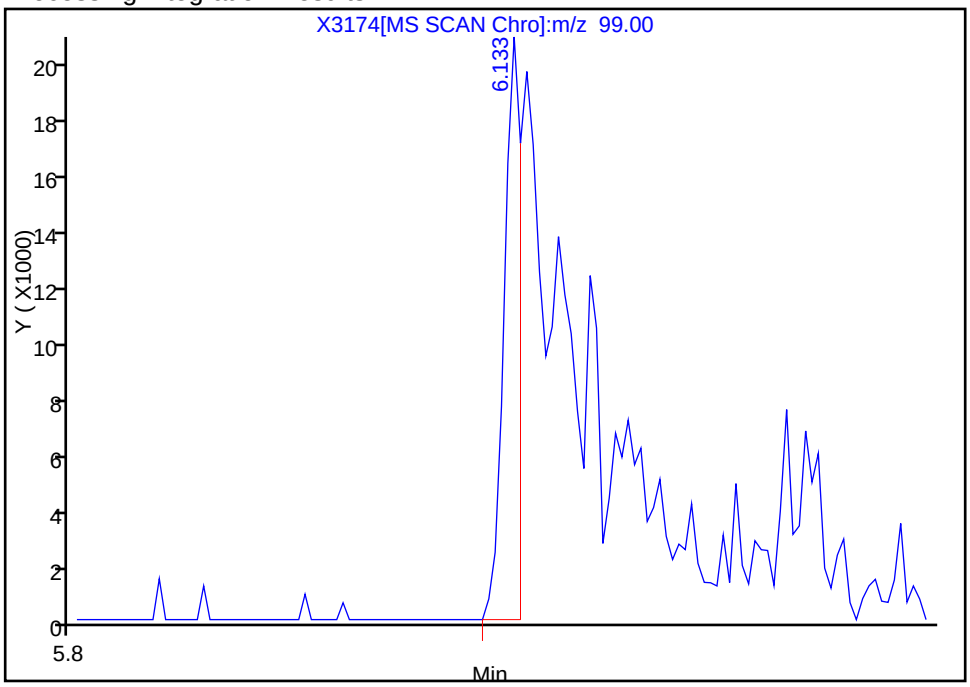
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3174.D		
Injection Date:	19-Dec-2012 19:21:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-514-7.0/9.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	21
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

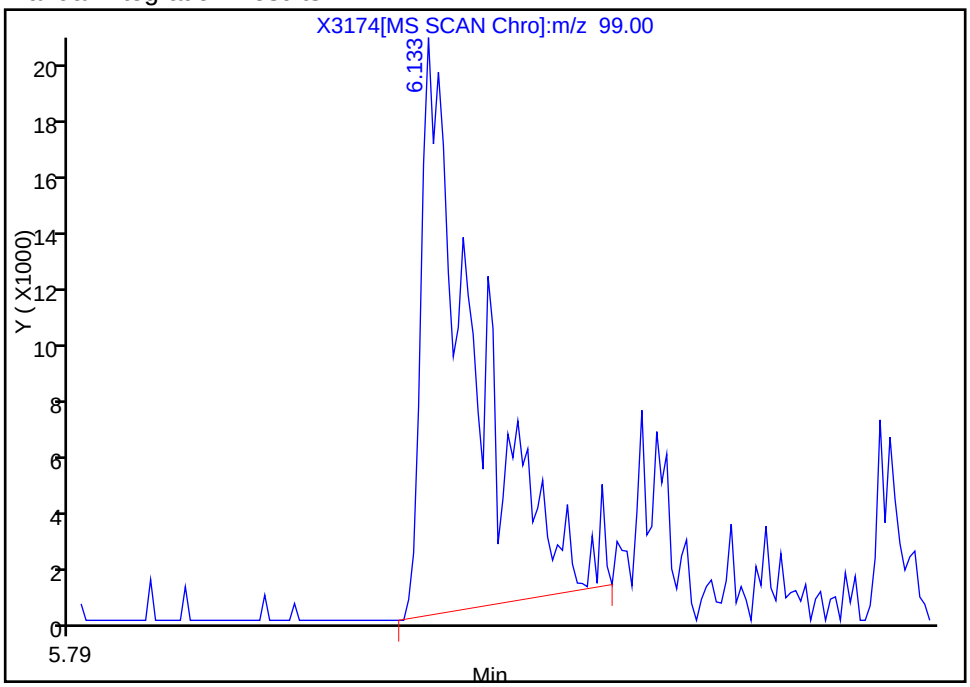
Processing Integration Results

RT: 6.13
Response: 18107
Amount: 0.240160



Manual Integration Results

RT: 6.13
Response: 72602
Amount: 1.036305



Reviewer: mckernar, 20-Dec-2012 09:39:16
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 09-Mar-2013 09:48:31 Chrom Revision: 2.0 01-Feb-2013 10:03:10

Manual Integration/User Assign Peak Report

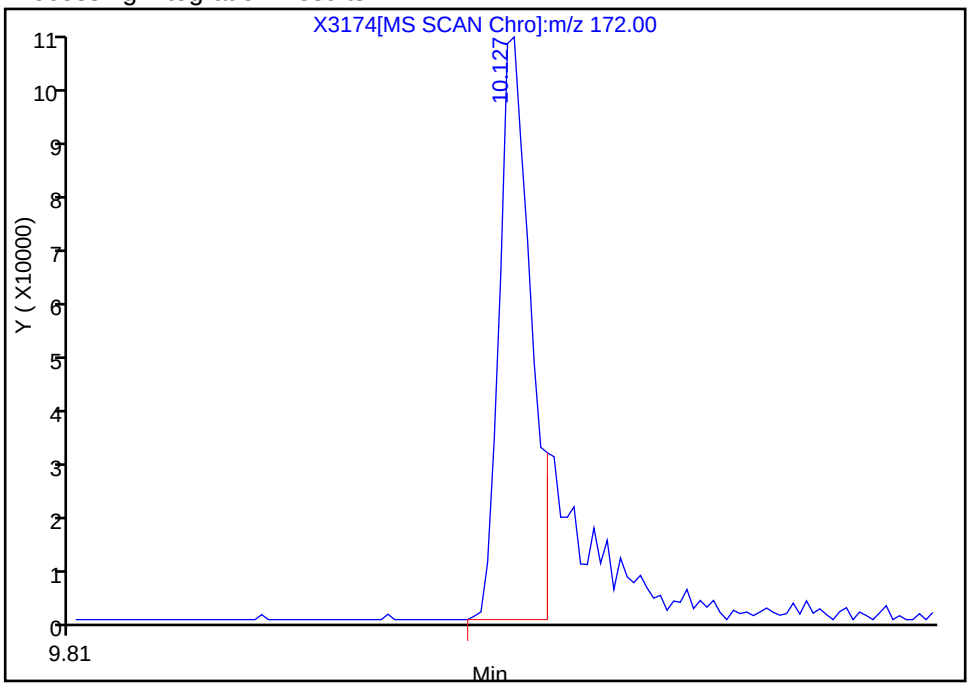
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3174.D		
Injection Date:	19-Dec-2012 19:21:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-514-7.0/9.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	21
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

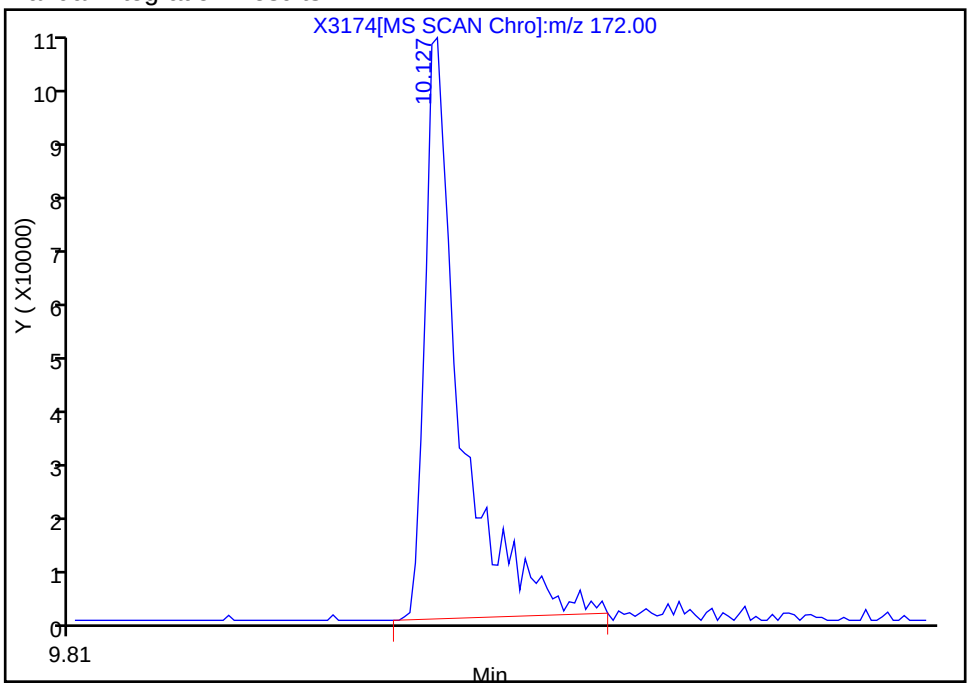
Processing Integration Results

RT: 10.13
Response: 158069
Amount: 1.021736



Manual Integration Results

RT: 10.13
Response: 212838
Amount: 1.513093



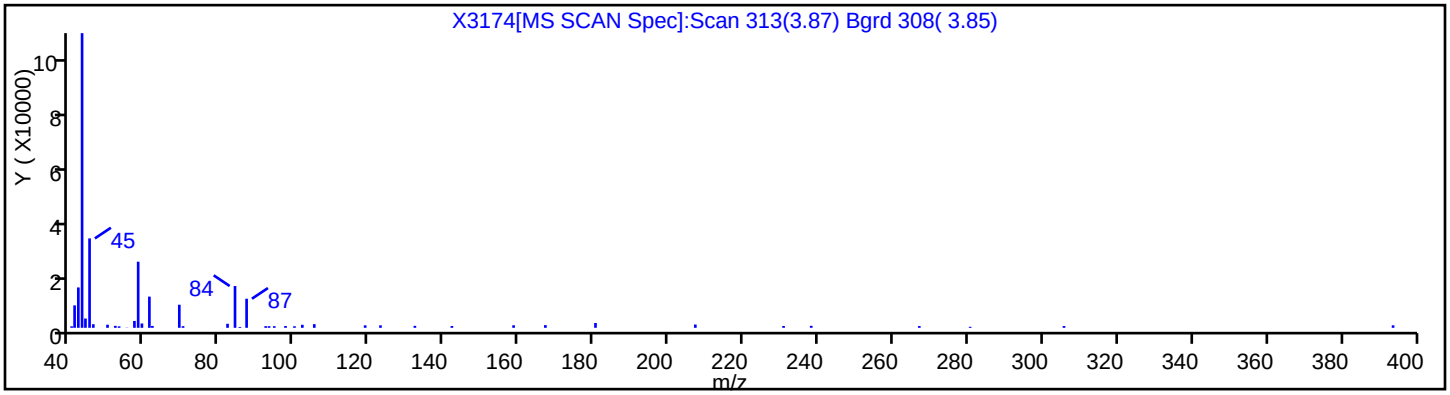
Reviewer: mckernar, 20-Dec-2012 09:39:16
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 09-Mar-2013 09:48:32 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3174.D		
Injection Date:	19-Dec-2012 19:21:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-514-7.0/9.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	21
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

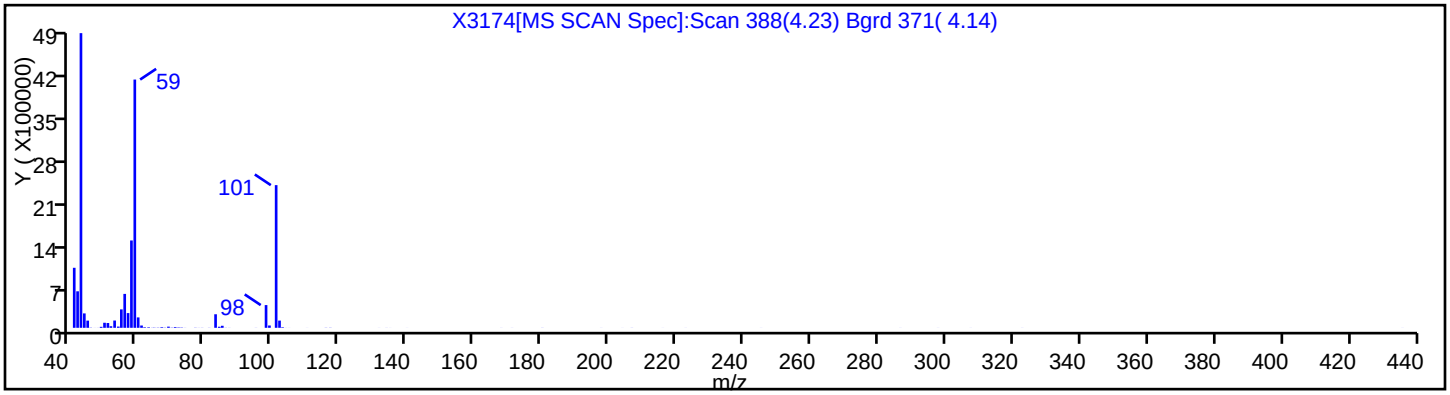


Report Date: 09-Mar-2013 09:48:32 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3174.D		
Injection Date:	19-Dec-2012 19:21:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-514-7.0/9.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	21
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

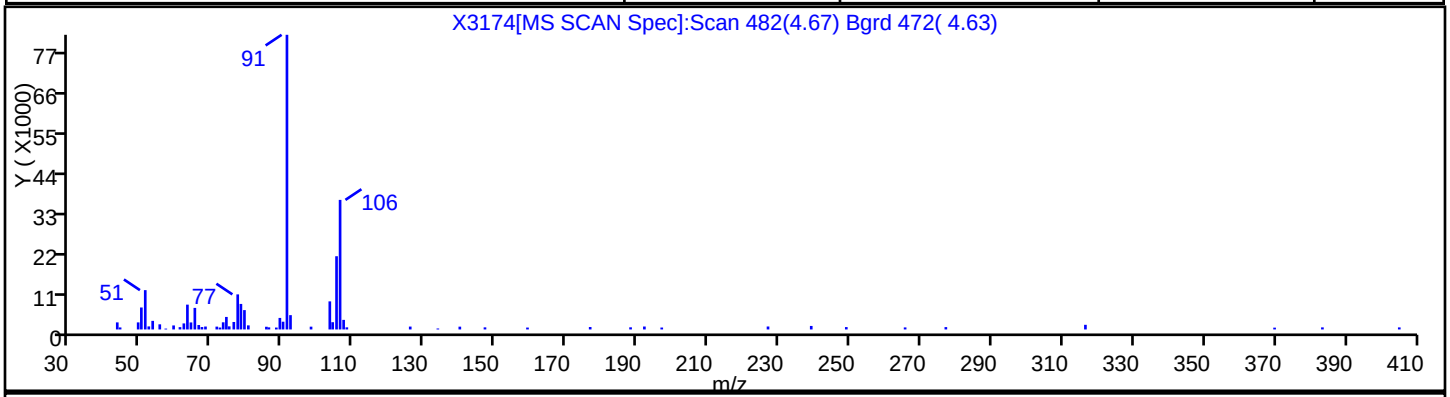


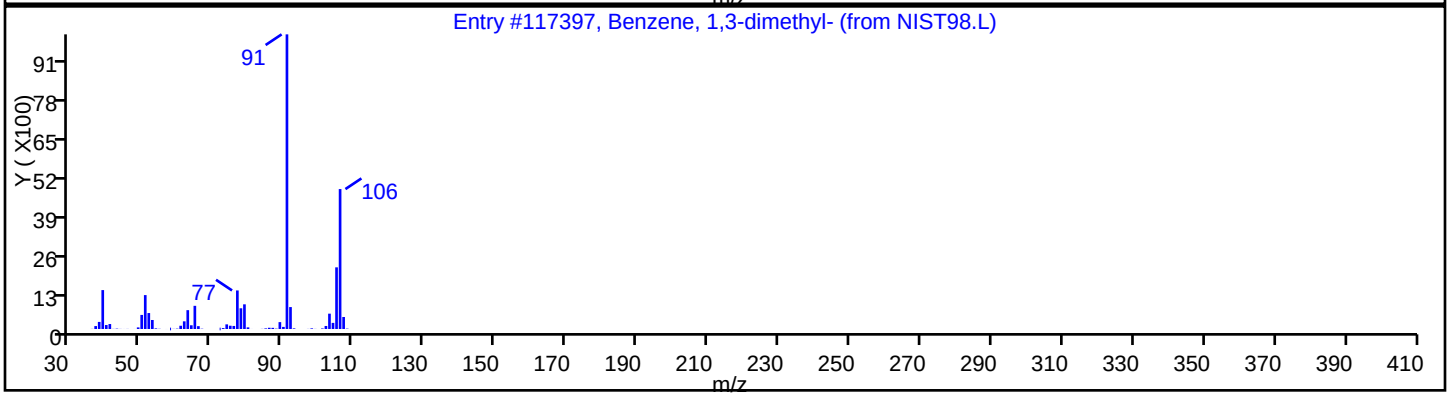
Report Date: 09-Mar-2013 09:48:32 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3174.D		
Injection Date:	19-Dec-2012 19:21:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-514-7.0/9.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	21
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Benzene, 1,3-dimethyl-	108-38-3	NIST98.L	117397	87



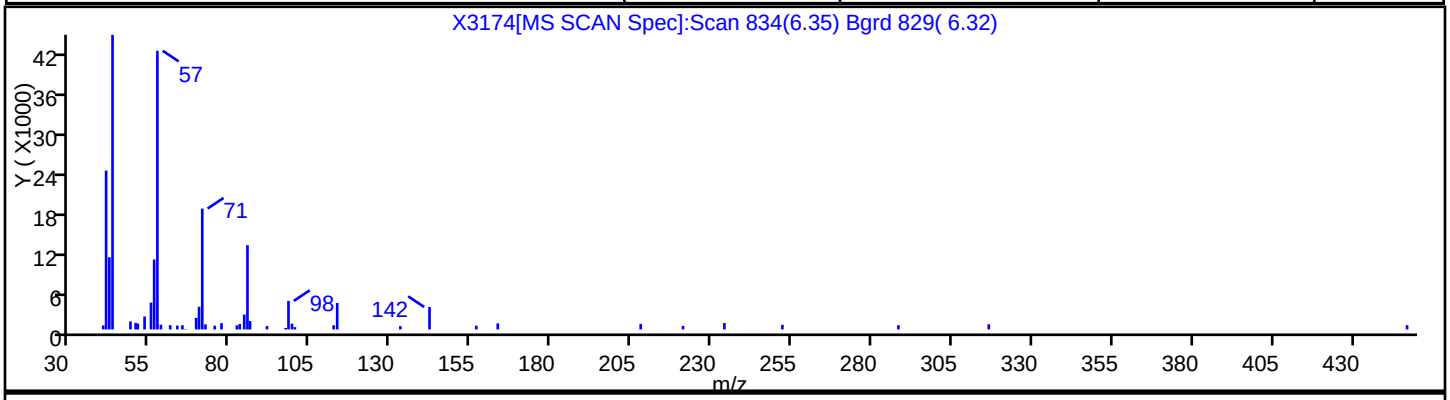


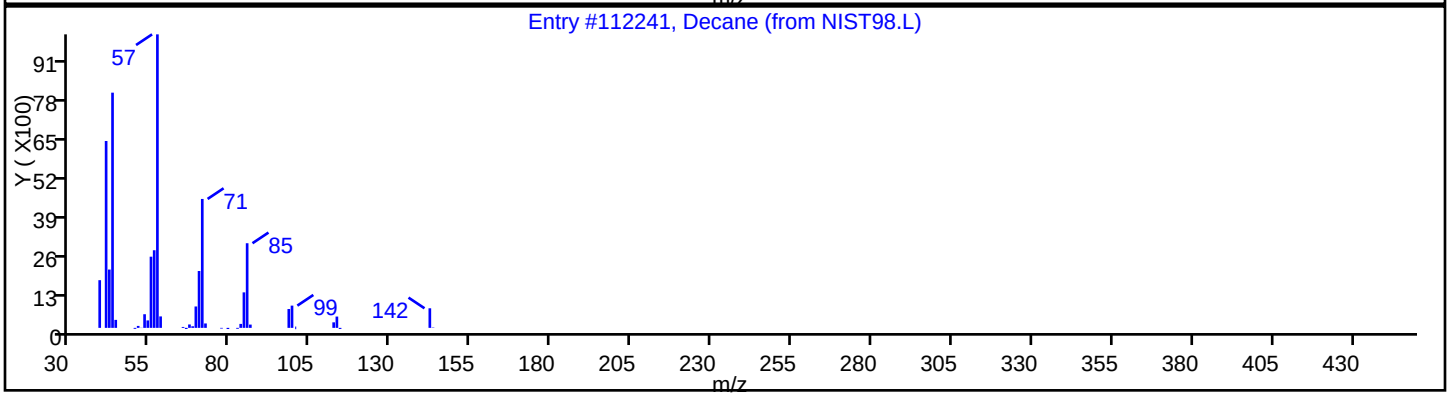
Report Date: 09-Mar-2013 09:48:32 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3174.D		
Injection Date:	19-Dec-2012 19:21:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-514-7.0/9.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	21
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
Decane	124-18-5	NIST98.L	112241	86



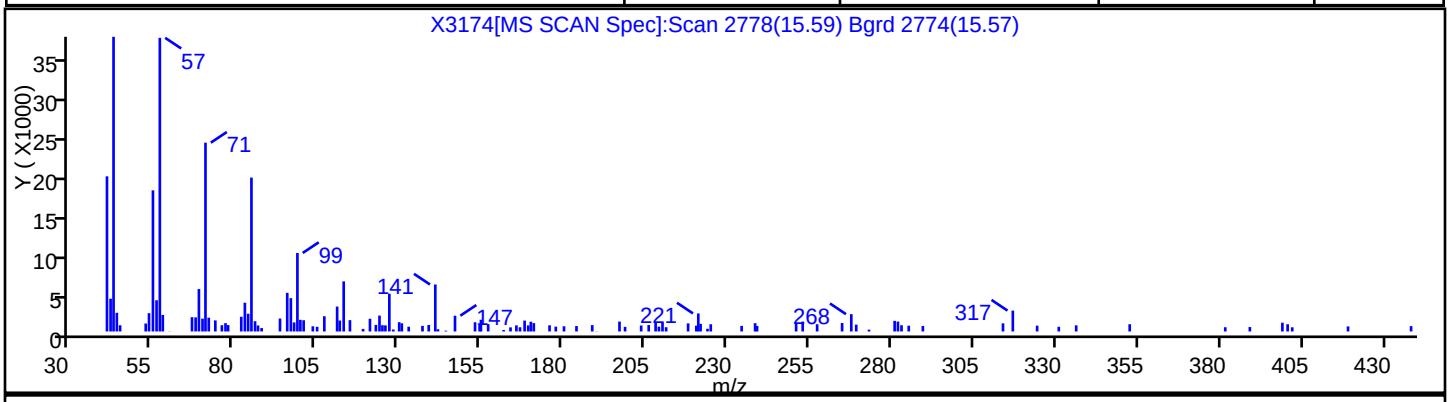


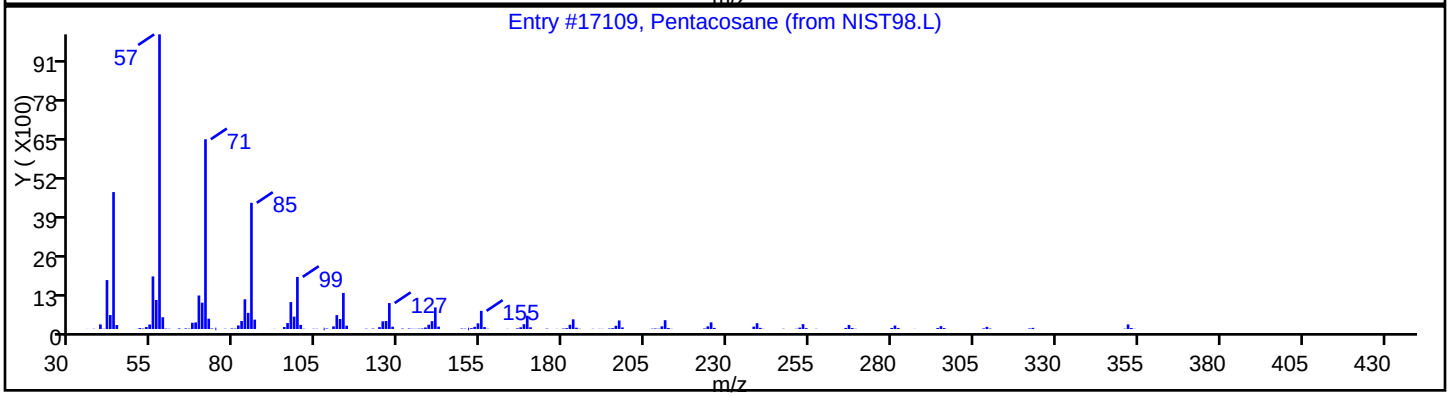
Report Date: 09-Mar-2013 09:48:32 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3174.D		
Injection Date:	19-Dec-2012 19:21:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-514-7.0/9.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	21
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	92



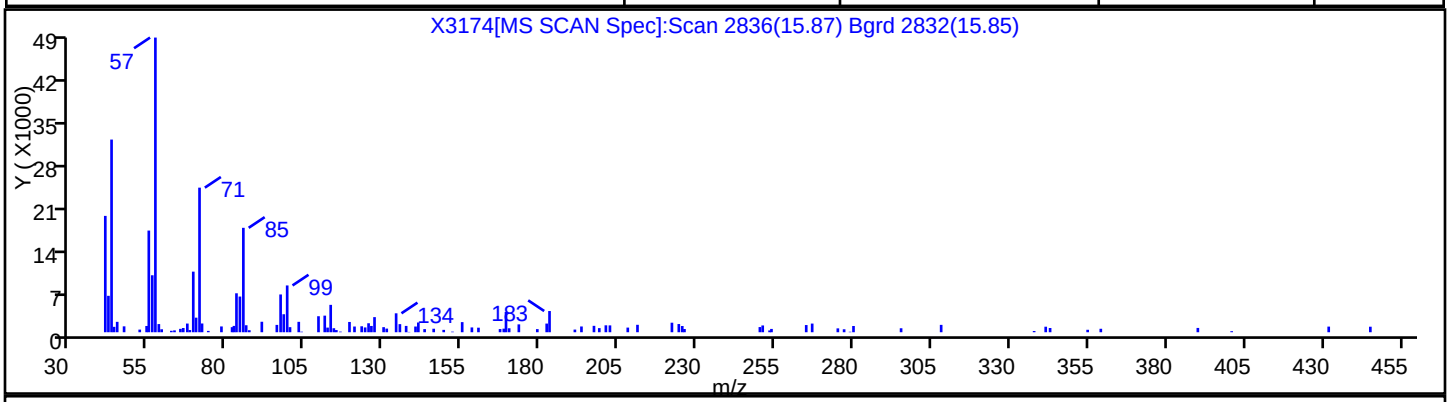


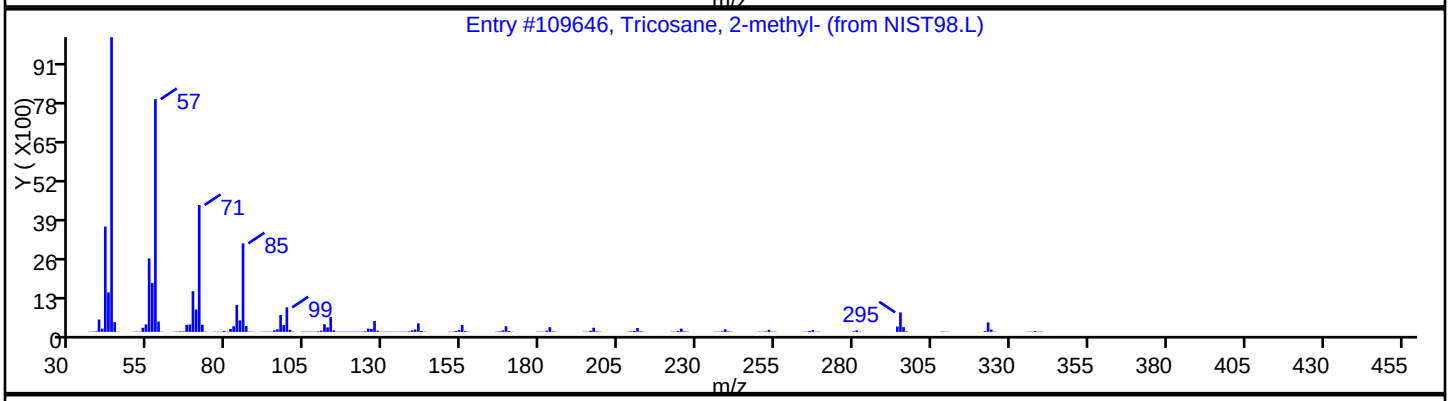
Report Date: 09-Mar-2013 09:48:32 Chrom Revision: 2.0 01-Feb-2013 10:03:10

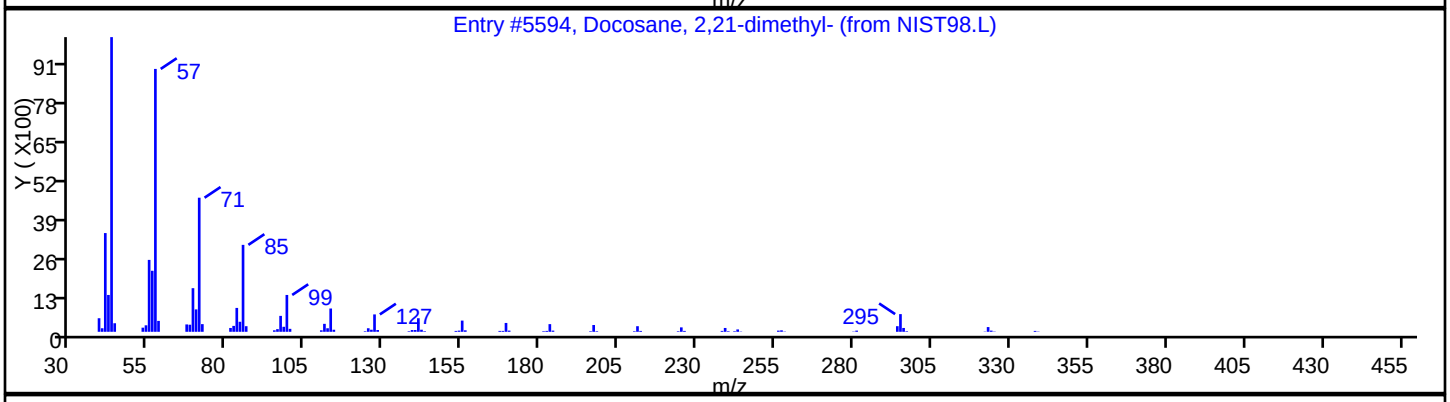
TestAmerica Buffalo

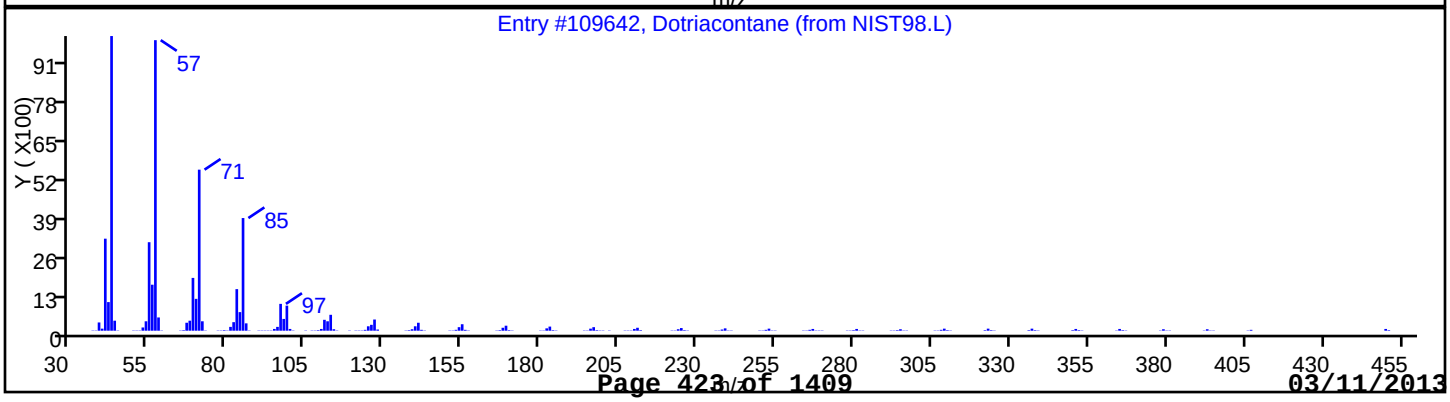
Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3174.D		
Injection Date:	19-Dec-2012 19:21:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-514-7.0/9.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	21
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Tricosane, 2-methyl-	1928-30-9	NIST98.L	109646	93
Docosane, 2,21-dimethyl-	77536-31-3	NIST98.L	5594	91
Dotriacontane	544-85-4	NIST98.L	109642	91







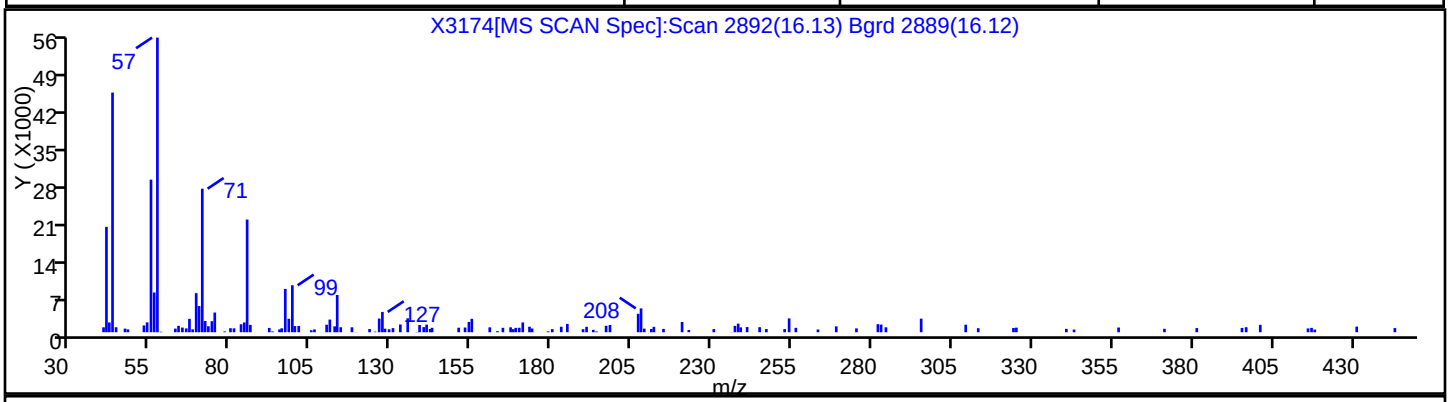


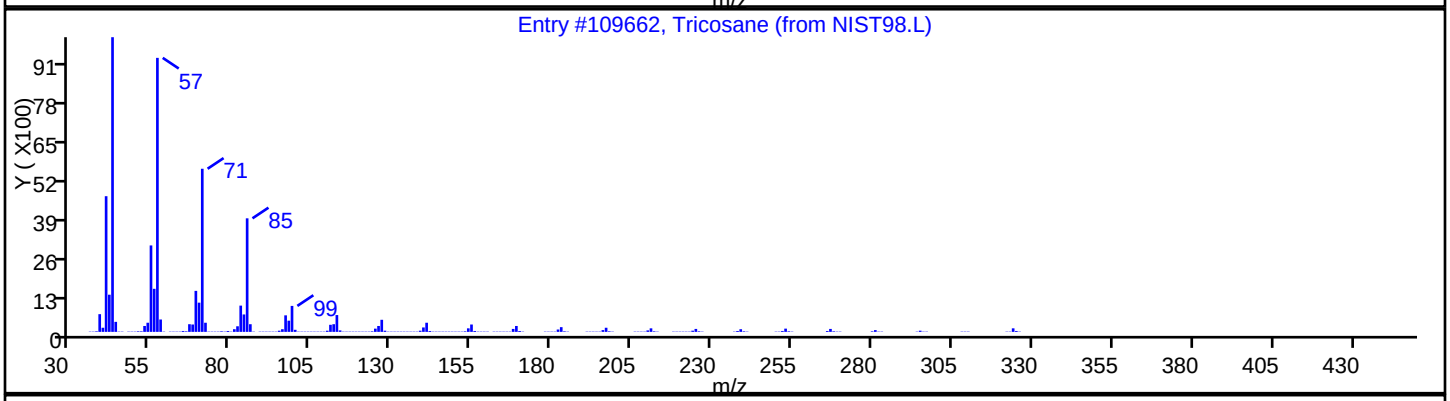
Report Date: 09-Mar-2013 09:48:32 Chrom Revision: 2.0 01-Feb-2013 10:03:10

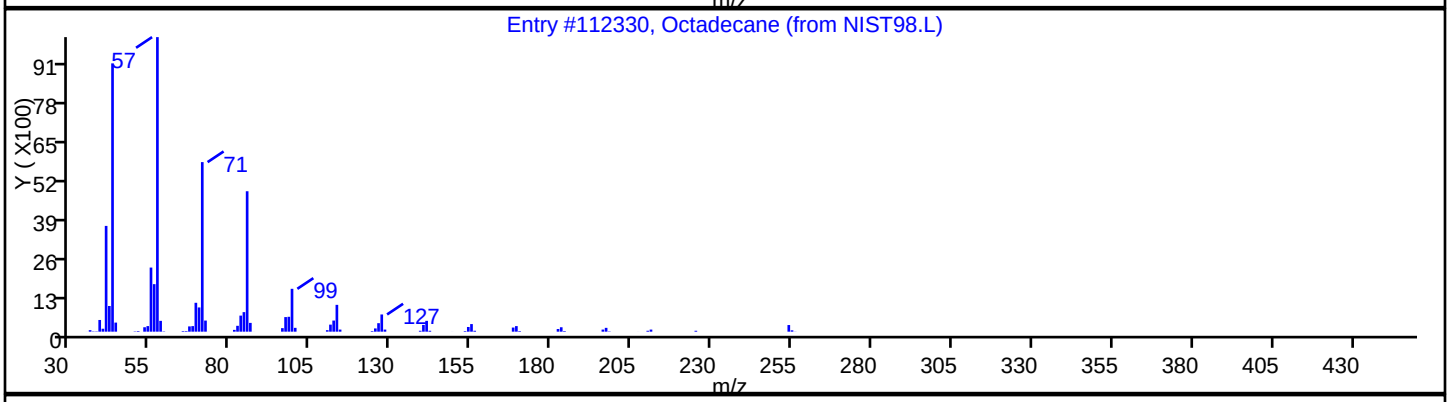
TestAmerica Buffalo

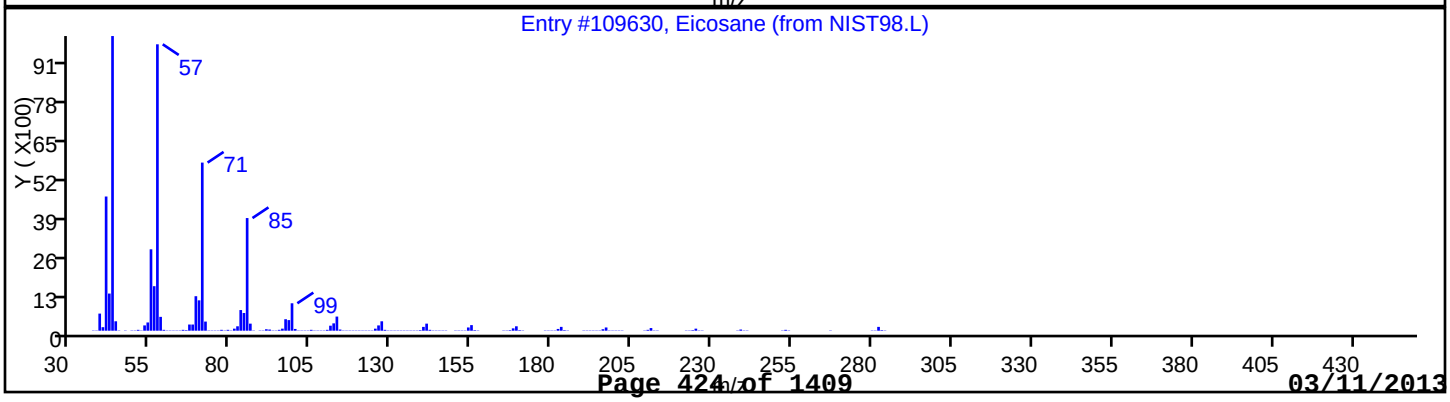
Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3174.D		
Injection Date:	19-Dec-2012 19:21:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-514-7.0/9.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	21
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Tricosane	638-67-5	NIST98.L	109662	93
Octadecane	593-45-3	NIST98.L	112330	90
Eicosane	112-95-8	NIST98.L	109630	89







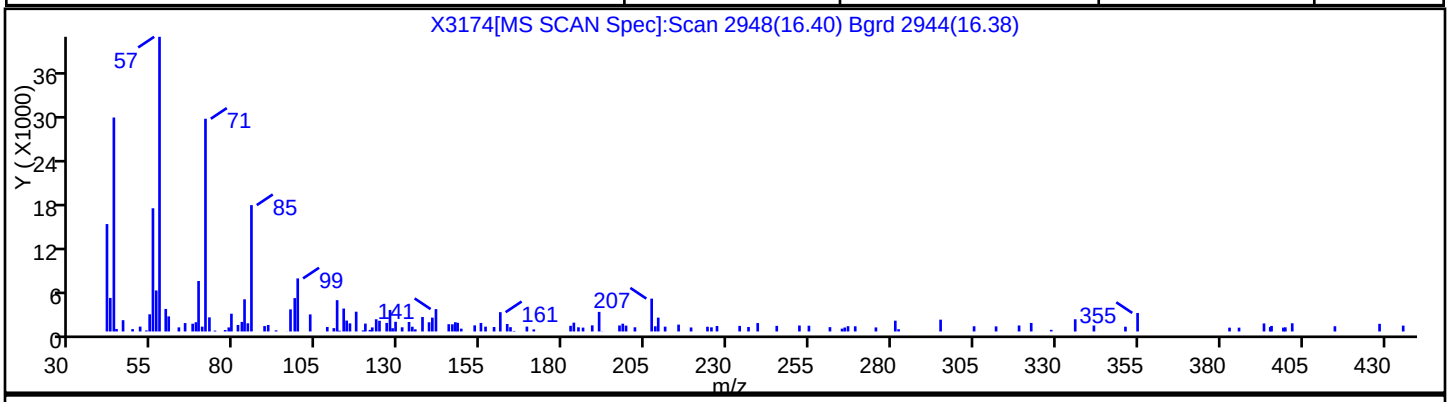


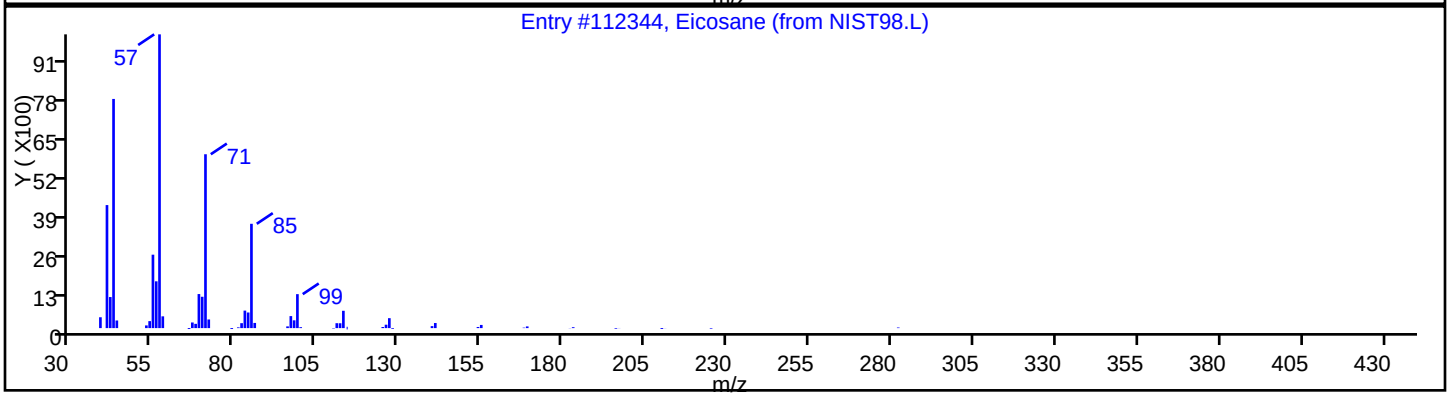
Report Date: 09-Mar-2013 09:48:32 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3174.D		
Injection Date:	19-Dec-2012 19:21:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-514-7.0/9.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	21
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
Eicosane	112-95-8	NIST98.L	112344	86



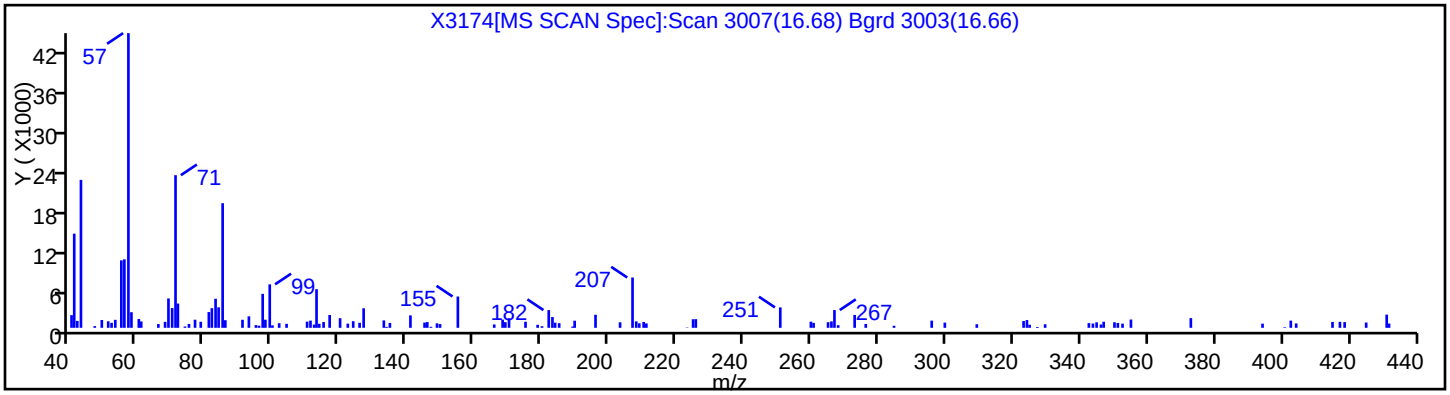


Report Date: 09-Mar-2013 09:48:32 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3174.D		
Injection Date:	19-Dec-2012 19:21:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-514-7.0/9.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	21
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

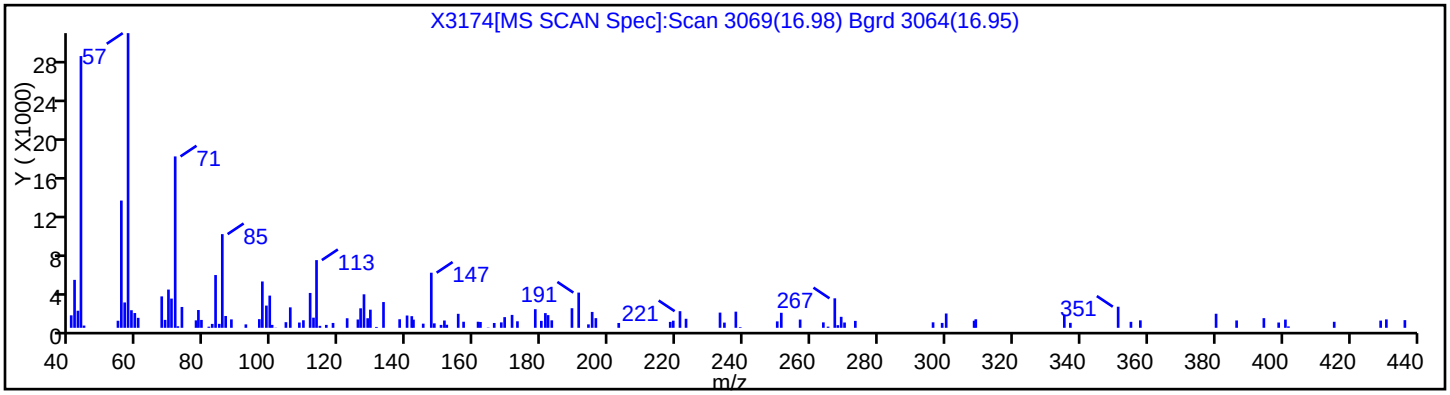


Report Date: 09-Mar-2013 09:48:32 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3174.D		
Injection Date:	19-Dec-2012 19:21:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-514-7.0/9.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	21
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.: 480-30106-1

SDG No.:

Client Sample ID: OC-SB-514-15/17-XXX | Lab Sample ID: 480-30106-6

Matrix: Solid | Lab File ID: X3175.D

Analysis Method: 8270D | Date Collected: 12/12/2012 09:20

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

Sample wt/vol: 000030.1(g) | Date Analyzed: 12/19/2012 19:47

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

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

% Moisture: 8.0 | 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		180	73
95-95-4	2,4,5-Trichlorophenol	ND		36	12
62-53-3	Aniline	ND		36	11
67-72-1	Hexachloroethane	ND		36	11
131-11-3	Dimethyl phthalate	ND		36	11
105-67-9	2,4-Dimethylphenol	ND	*	36	11
78-59-1	Isophorone	ND		36	11
86-73-7	Fluorene	ND		36	11
132-64-9	Dibenzofuran	ND		36	11
208-96-8	Acenaphthylene	ND		36	11
120-83-2	2,4-Dichlorophenol	ND		36	11
191-24-2	Benzo[g,h,i]perylene	ND		36	11
118-74-1	Hexachlorobenzene	ND		36	11
117-84-0	Di-n-octyl phthalate	ND		36	11
87-68-3	Hexachlorobutadiene	ND		36	11
85-01-8	Phenanthrene	ND		36	11
88-75-5	2-Nitrophenol	ND	*	36	14
207-08-9	Benzo[k]fluoranthene	ND		36	18
51-28-5	2,4-Dinitrophenol	ND	*	36	29
120-12-7	Anthracene	ND		36	11
91-57-6	2-Methylnaphthalene	ND		36	11
84-74-2	Di-n-butyl phthalate	ND		180	54
120-82-1	1,2,4-Trichlorobenzene	ND		36	11
129-00-0	Pyrene	ND		36	11
121-14-2	2,4-Dinitrotoluene	ND		36	11
53-70-3	Dibenz(a,h)anthracene	ND		36	11
541-73-1	1,3-Dichlorobenzene	ND		36	11
98-95-3	Nitrobenzene	ND		36	11
91-20-3	Naphthalene	ND		36	11
88-06-2	2,4,6-Trichlorophenol	ND		36	15
87-86-5	Pentachlorophenol	ND		36	11
206-44-0	Fluoranthene	ND		36	11
91-94-1	3,3'-Dichlorobenzidine	ND		72	13
101-55-3	4-Bromophenyl phenyl ether	ND		36	11

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30106-1

SDG No.:

Client Sample ID: OC-SB-514-15/17-XXX | Lab Sample ID: 480-30106-6

Matrix: Solid | Lab File ID: X3175.D

Analysis Method: 8270D | Date Collected: 12/12/2012 09:20

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

Sample wt/vol: 000030.1(g) | Date Analyzed: 12/19/2012 19:47

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

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

% Moisture: 8.0 | 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		36	12
95-48-7	2-Methylphenol	ND		36	11
95-50-1	1,2-Dichlorobenzene	ND		36	11
108-60-1	2,2'-oxybis[1-chloropropane]	ND		36	11
98-86-2	Acetophenone	ND		36	11
111-44-4	Bis(2-chloroethyl)ether	ND		36	11
56-55-3	Benzo[a]anthracene	ND		36	11
193-39-5	Indeno[1,2,3-cd]pyrene	ND		36	11
85-68-7	Butyl benzyl phthalate	ND		36	11
218-01-9	Chrysene	ND		36	11
83-32-9	Acenaphthene	ND		36	11
205-99-2	Benzo[b]fluoranthene	ND		36	11
100-02-7	4-Nitrophenol	ND	*	180	15
106-47-8	4-Chloroaniline	ND	*	72	32
95-57-8	2-Chlorophenol	ND		36	11
606-20-2	2,6-Dinitrotoluene	ND	*	36	30
108-95-2	Phenol	ND		36	11
15831-10-4	3 & 4 Methylphenol	ND		36	11
106-46-7	1,4-Dichlorobenzene	ND		36	11
111-91-1	Bis(2-chloroethoxy)methane	ND		36	11
91-58-7	2-Chloronaphthalene	ND		36	11
621-64-7	N-Nitrosodi-n-propylamine	ND		36	11
7005-72-3	4-Chlorophenyl phenyl ether	ND		36	11
59-50-7	4-Chloro-3-methylphenol	ND		72	11
50-32-8	Benzo[a]pyrene	ND		36	11
106-44-5	4-Methylphenol	ND		36	11
100-01-6	4-Nitroaniline	ND		180	30
88-74-4	2-Nitroaniline	ND		180	45
105-60-2	Caprolactam	ND		36	11
86-74-8	Carbazole	ND		36	11
534-52-1	4,6-Dinitro-2-methylphenol	ND		180	35
90-12-0	1-Methylnaphthalene	ND		36	11
86-30-6	N-Nitrosodiphenylamine	ND		36	11
1912-24-9	Atrazine	ND		36	11

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30106-1

SDG No.:

Client Sample ID: OC-SB-514-15/17-XXX | Lab Sample ID: 480-30106-6

Matrix: Solid | Lab File ID: X3175.D

Analysis Method: 8270D | Date Collected: 12/12/2012 09:20

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

Sample wt/vol: 000030.1(g) | Date Analyzed: 12/19/2012 19:47

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

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

% Moisture: 8.0 | 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		36	11
100-52-7	Benzaldehyde	ND		36	11
103-33-3	Azobenzene	ND		36	11
77-47-4	Hexachlorocyclopentadiene	ND		72	11
99-09-2	3-Nitroaniline	ND		180	11
62-75-9	N-Nitrosodimethylamine	ND		36	11
100-51-6	Benzyl alcohol	ND		72	11
92-52-4	1,1'-Biphenyl	ND		36	11
58-90-2	2,3,4,6-Tetrachlorophenol	ND		36	11
119-61-9	Benzophenone	ND		36	11
65-85-0	Benzoic acid	ND		180	16
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		36	11

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	81		30-130
367-12-4	2-Fluorophenol	70		30-130
4165-60-0	Nitrobenzene-d5	78		30-130
4165-62-2	Phenol-d5	67		30-130
321-60-8	2-Fluorobiphenyl	77		30-130
1718-51-0	p-Terphenyl-d14	102		30-130

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

Lab Name: TestAmerica Buffalo
Job No.: 480-30106-1
SDG No.:
Client Sample ID: OC-SB-514-15/17-XXX
Lab Sample ID: 480-30106-6
Matrix: Solid
Lab File ID: X3175.D
Analysis Method: 8270D
Date Collected: 12/12/2012 09:20
Extract. Method: 3546
Date Extracted: 12/18/2012 08:12
Sample wt/vol: 000030.1(g)
Date Analyzed: 12/19/2012 19:47
Con. Extract Vol.: 1(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
Level: (low/med) Low
% Moisture: 8.0
GPC Cleanup:(Y/N) N
Analysis Batch No.: 96568
Units: ug/Kg
Number TICs Found: 8
TIC Result Total: 4562

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	3.03	27	T J
	Unknown	3.86	43	T J
	Unknown	4.22	4300	T J
	Unknown	4.24	25	T J
108-38-3	Benzene, 1,3-dimethyl-	4.66	43	T J N
	Unknown	6.34	24	T J
	Unknown	14.14	35	T J
	Unknown	16.02	65	T J

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3175.D		
Lims ID:	480-30106-B-6-D	Client ID:	OC-SB-514-15/17-XXX
Inject. Date:	19-Dec-2012 19:47:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-0017692-022		
Misc. Info.:			
Operator:	ANM	Instrument ID:	HP5973X
Injection Vol:	1.0 ul	ALS Bottle#:	23
Lims Batch ID:	96568	Lims Sample ID:	22
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 09:40:03

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.565	6.546	0.019	87	225796	5.00	
* 2 Naphthalene-d8	136	8.458	8.482	-0.024	97	839892	5.00	
* 3 Acenaphthene-d10	164	11.112	11.107	0.005	89	482512	5.00	
* 4 Phenanthrene-d10	188	13.123	13.104	0.019	96	820132	5.00	
* 5 Chrysene-d12	240	15.762	15.753	0.009	96	522222	5.00	
* 6 Perylene-d12	264	17.046	17.037	0.009	97	503888	5.00	
$ 7 2-Fluorophenol	112	4.701	4.620	0.081	0	71665	1.40	M
$ 8 Phenol-d5	99	6.123	6.056	0.067	85	83104	1.33	M
$ 9 Nitrobenzene-d5	82	7.416	7.407	0.009	80	98228	1.56	M
$ 10 2-Fluorobiphenyl	172	10.132	10.122	0.010	88	186146	1.54	
$ 11 2,4,6-Tribromophenol	330	12.310	12.257	0.053	0	24524	1.63	M
$ 12 p-Terphenyl-d14	244	14.788	14.778	0.010	96	206317	2.05	
19 N-Nitrosodimethylamine	42		2.718					
21 Benzaldehyde	77		5.895					1
23 Aniline	93		6.066					
22 Phenol	94		6.075					9
24 Bis(2-chloroethyl)ether	93		6.170					
25 2-Chlorophenol	128		6.237					
26 1,3-Dichlorobenzene	146		6.456					
27 1,4-Dichlorobenzene	146		6.575					
29 1,2-Dichlorobenzene	146		6.798					
28 Benzyl alcohol	108		6.803					
31 2-Methylphenol	108		6.988					
32 2,2'-oxybis[1-chloropropane]	45		6.998					
33 Acetophenone	105		7.179					19
34 N-Nitrosodi-n-propylamine	70		7.193					19
35 DFTPP								
36 4-Methylphenol	108		7.245					9
37 Hexachloroethane	117		7.302					19
38 Nitrobenzene	77		7.435					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
40 Isophorone	82		7.806					
41 2-Nitrophenol	139		7.925					149
43 2,4-Dimethylphenol	107		8.039					
45 Bis(2-chloroethoxy)methane	93		8.163					19
44 Benzoic acid	105		8.220					149
47 2,4-Dichlorophenol	162		8.315					
48 1,2,4-Trichlorobenzene	180		8.405					
49 Naphthalene	128		8.515					9
51 4-Chloroaniline	127		8.643					
52 Hexachlorobutadiene	225		8.715					
54 Caprolactam	113		9.185					19
55 4-Chloro-3-methylphenol	107		9.442					
56 2-Methylnaphthalene	142		9.566					9
57 1-Methylnaphthalene	142		9.704					149
58 Hexachlorocyclopentadiene	237		9.794					
59 1,2,4,5-Tetrachlorobenzene	216		9.813					19
60 2,4,6-Trichlorophenol	196		10.018					
61 2,4,5-Trichlorophenol	196		10.103					
62 1,1'-Biphenyl	154	10.284	10.265	0.019	59	4311	0.0309	
63 2-Chloronaphthalene	162		10.312					
64 Phenyl ether	170	10.446	10.427	0.019	70	11984	0.1580	
65 2-Nitroaniline	65		10.484					1
67 Dimethyl phthalate	163		10.764					
68 2,6-Dinitrotoluene	165		10.850					19
69 Acenaphthylene	152		10.893					9
70 3-Nitroaniline	138		11.111					
71 Acenaphthene	153		11.154					
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					
78 Diethyl phthalate	149		11.810					
79 Fluorene	166		11.915					9
80 4-Chlorophenyl phenyl ether	204		11.934					
81 4-Nitroaniline	138		12.015					19
82 4,6-Dinitro-2-methylphenol	198		12.043					
83 N-Nitrosodiphenylamine	169		12.105					19
16 1,2-Diphenylhydrazine	77		12.148					1
85 Azobenzene	77		12.148					1
86 Benzophenone	105		12.172					1
89 4-Bromophenyl phenyl ether	248		12.571					
91 Hexachlorobenzene	284		12.633					
93 Atrazine	200		12.823					
94 Pentachlorophenol	266		12.904					
97 Phenanthrene	178		13.128					
98 Anthracene	178		13.190					
99 Carbazole	167		13.399					
102 Di-n-butyl phthalate	149		13.784					
104 Fluoranthene	202		14.407					9
106 Pyrene	202		14.631					
108 Butyl benzyl phthalate	149		15.230					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
109 3,3'-Dichlorobenzidine	252		15.724					1
110 Bis(2-ethylhexyl) phthalate	149	15.724	15.729	-0.005	85	32154	0.3019	
111 Benzo[a]anthracene	228		15.743					9
112 Chrysene	228		15.777					9
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					9
117 Indeno[1,2,3-cd]pyrene	276		18.126					9
118 Dibenz(a,h)anthracene	278		18.126					
119 Benzo[g,h,i]perylene	276		18.444					
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\X3175.D		
Lims ID:	480-30106-B-6-D	Client ID:	OC-SB-514-15/17-XXX
Inject. Date:	19-Dec-2012 19:47:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-0017692-022		
Misc. Info.:			
Operator:	ANM	Instrument ID:	HP5973X
Injection Vol:	1.0 ul	ALS Bottle#:	23
Lims Batch ID:	96568	Lims Sample ID:	22
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 09:40:03

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ng/uL	Flags
1,4-Dioxane	2.418	685		
Pyridine	2.761	326	0.007783	

Tentative Identified Compound Results

RT	Response	Amount ng/uL	Quant Cpnd	Qual	Lib Entry	Flags
	Unknown					
3.027	232453	0.7442	1			
	Unknown					
3.864	374146	1.20	1			
	Unknown					
4.221	37202338	119.1	1			
	Unknown					
4.235	217723	0.6970	1			
108-38-3	Benzene, 1,3-dimethyl-					
4.663	368749	1.18	1	95	117396	
	Unknown					
6.337	211472	0.6770	1			
	Unknown					
14.141	443737	0.9710	4			
	Unknown					
16.019	542160	1.79	5			

Report Date: 09-Mar-2013 09:48:32 Chrom Revision: 2.0 01-Feb-2013 10:03:10
Data File: \\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3175.D
Quantitation Compounds

Compound	RT	Response	Amount ng/uL
* 1 1,4-Dichlorobenzene-d4	6.565	1561836	5.00
* 4 Phenanthrene-d10	13.123	2284861	5.00
* 5 Chrysene-d12	15.762	1510210	5.00

QC Flag Legend

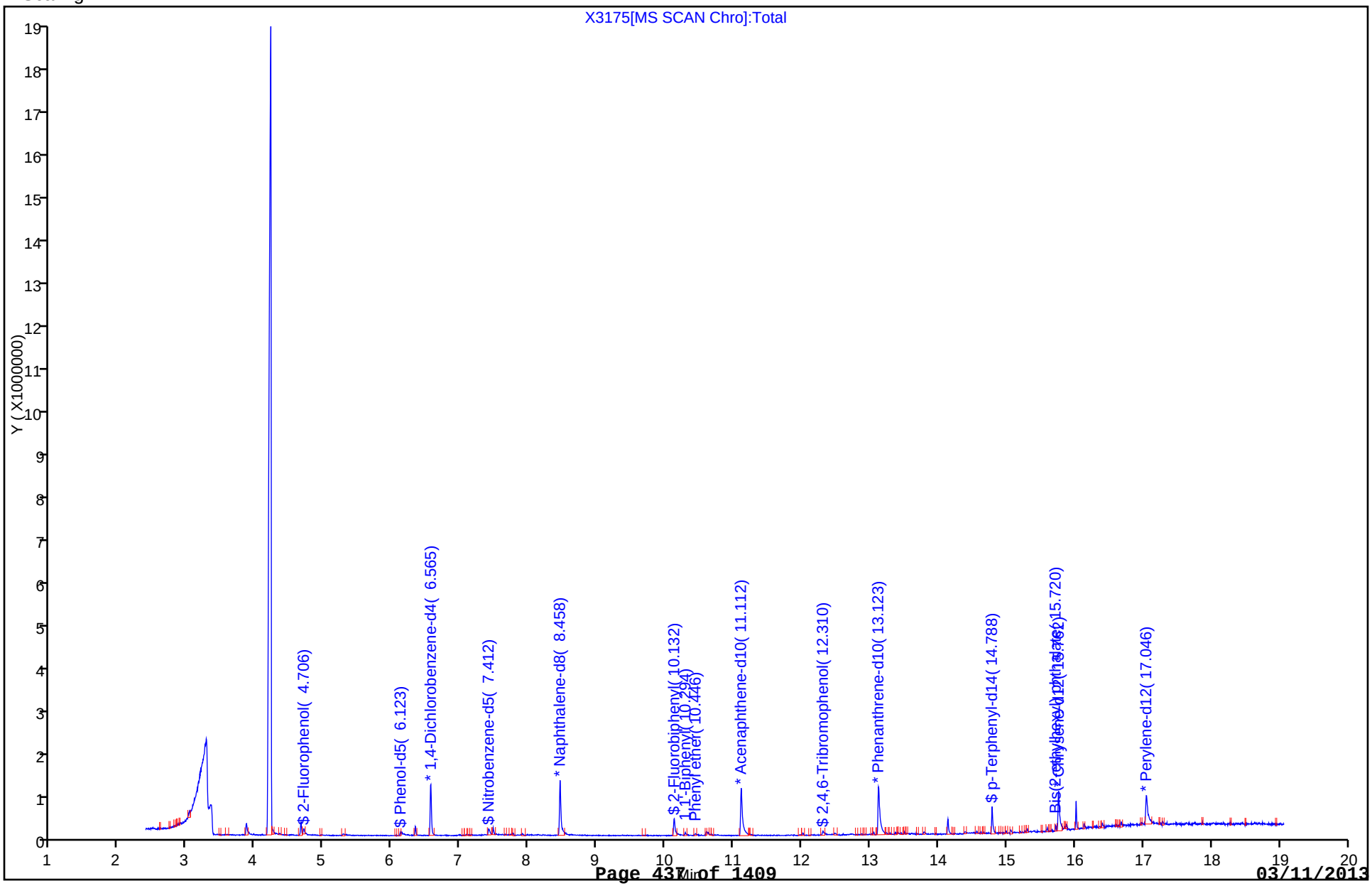
Processing Flags

Report Date: 09-Mar-2013 09:48:32 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3175.D		
Injection Date:	19-Dec-2012 19:47:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-514-15/17-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	22
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

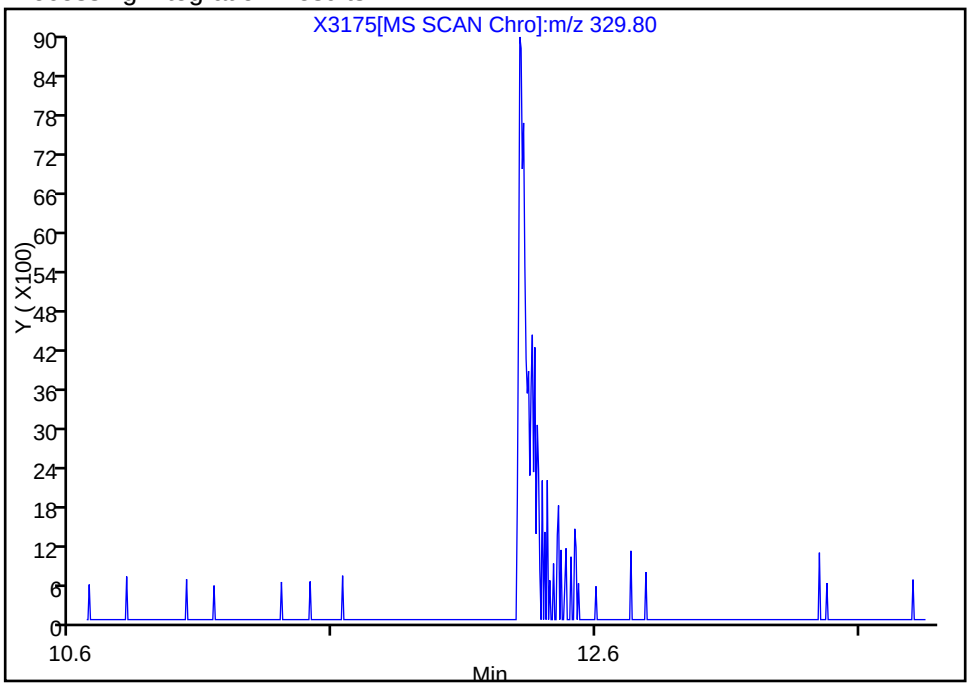
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3175.D		
Injection Date:	19-Dec-2012 19:47:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-514-15/17-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	22
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

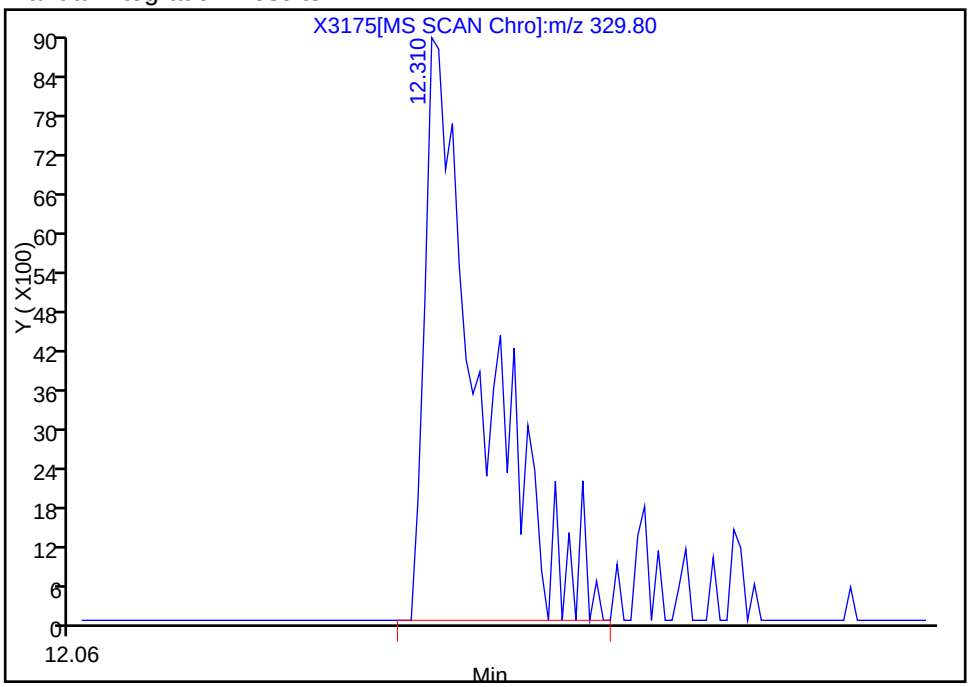
Processing Integration Results

Not Detected
Expected RT: 12.26



Manual Integration Results

RT: 12.31
Response: 24524
Amount: 1.625484



Reviewer: mckernar, 20-Dec-2012 09:40:03
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

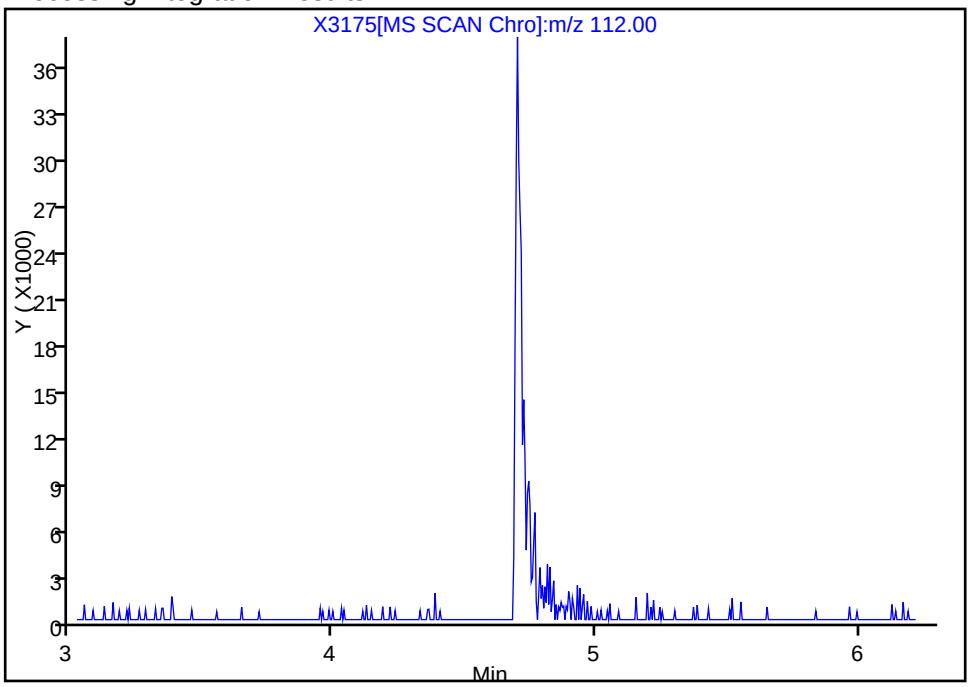
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3175.D		
Injection Date:	19-Dec-2012 19:47:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-514-15/17-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	22
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

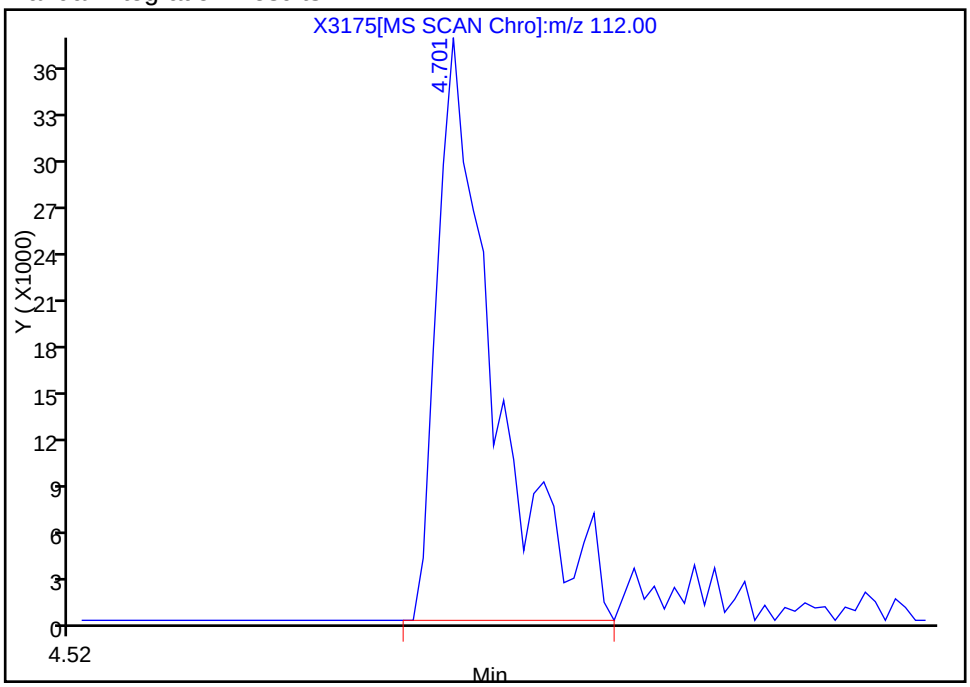
Processing Integration Results

Not Detected
Expected RT: 4.62



Manual Integration Results

RT: 4.70
Response: 71665
Amount: 1.398608



Reviewer: mckernar, 20-Dec-2012 09:40:03
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

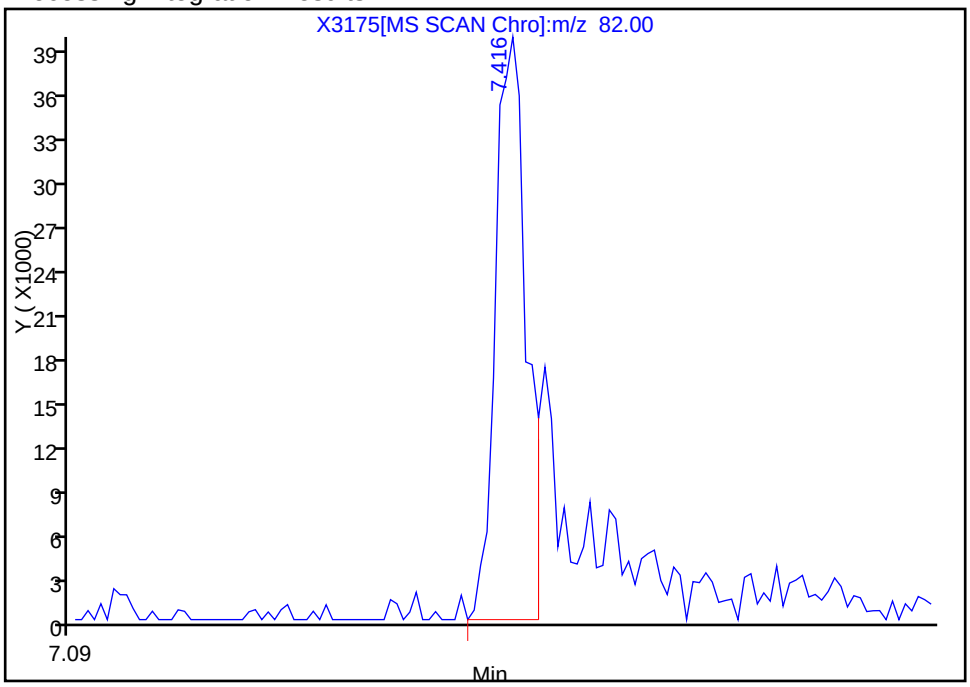
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3175.D		
Injection Date:	19-Dec-2012 19:47:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-514-15/17-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	22
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: 7.41

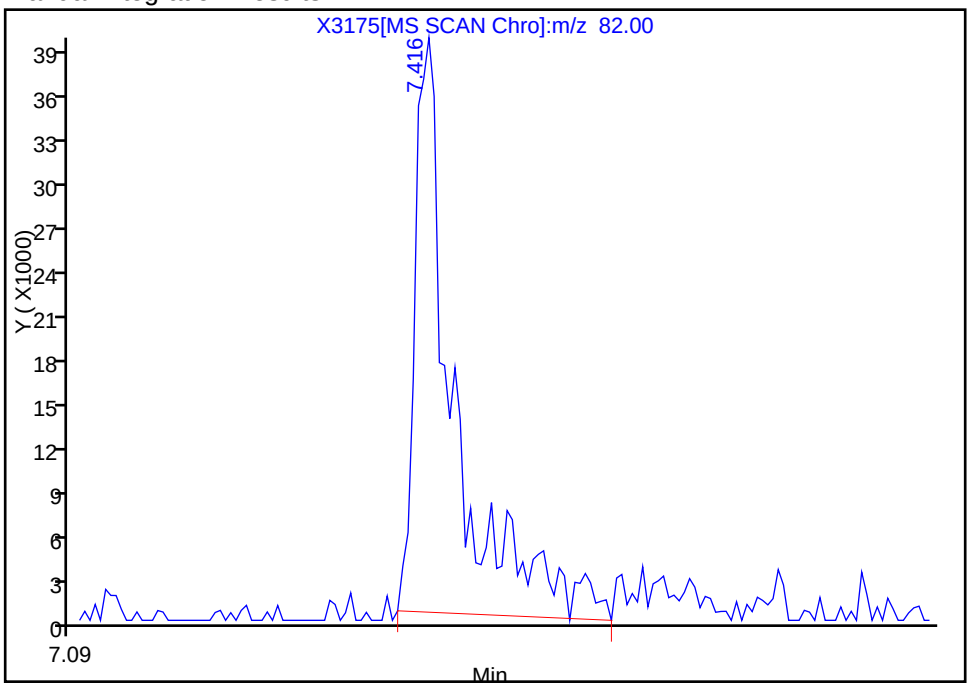
Processing Integration Results

RT: 7.42
Response: 63732
Amount: 0.903435



Manual Integration Results

RT: 7.42
Response: 98228
Amount: 1.559888



Reviewer: mckernar, 20-Dec-2012 09:40:03
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

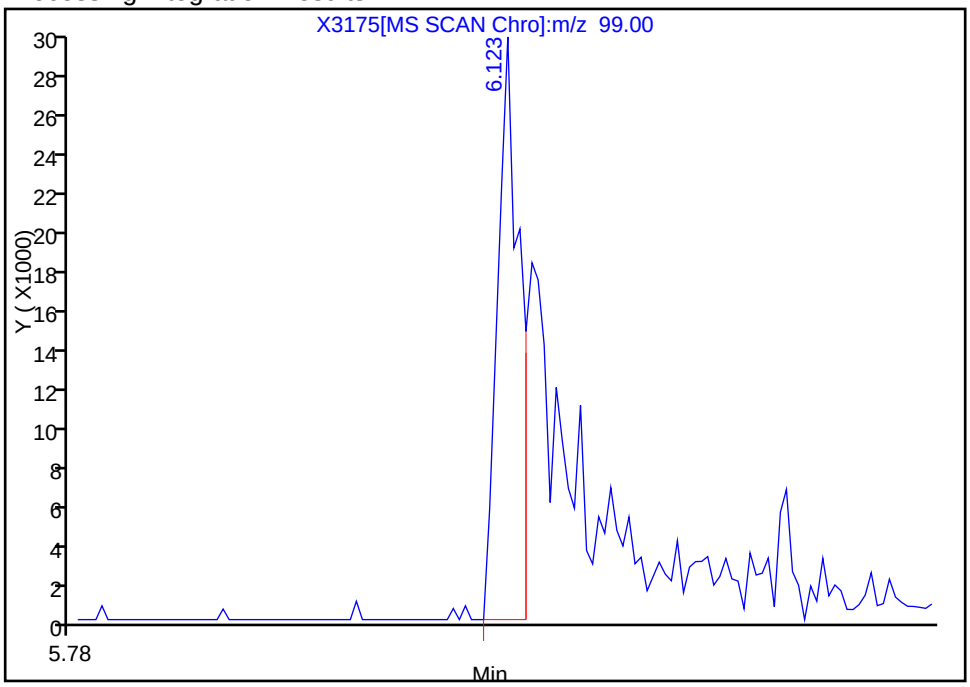
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3175.D		
Injection Date:	19-Dec-2012 19:47:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-514-15/17-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	22
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

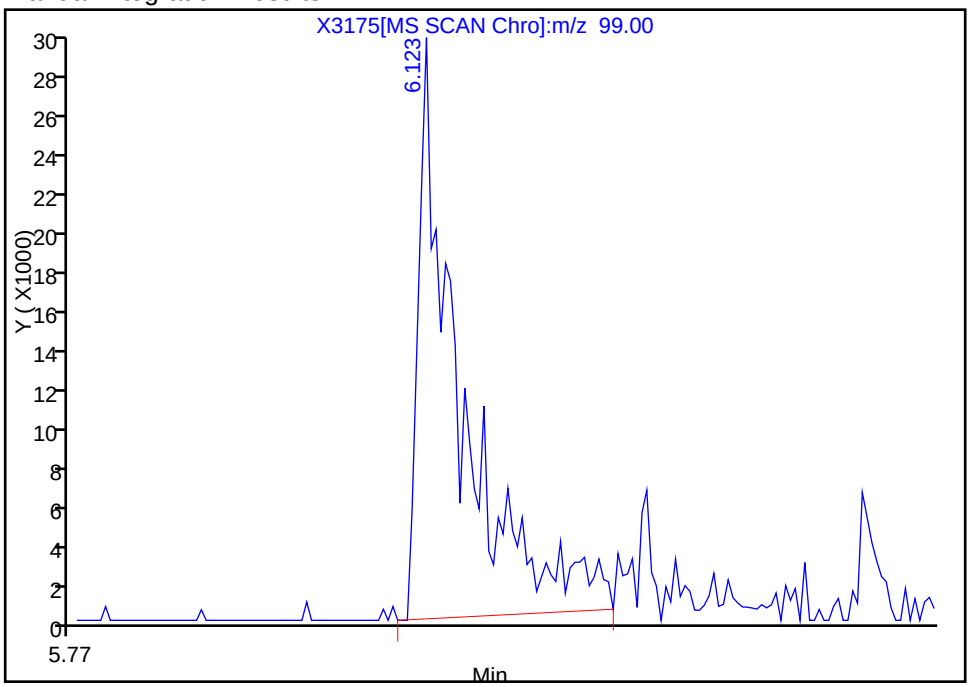
Processing Integration Results

RT: 6.12
Response: 35373
Amount: 0.527055



Manual Integration Results

RT: 6.12
Response: 83104
Amount: 1.332574



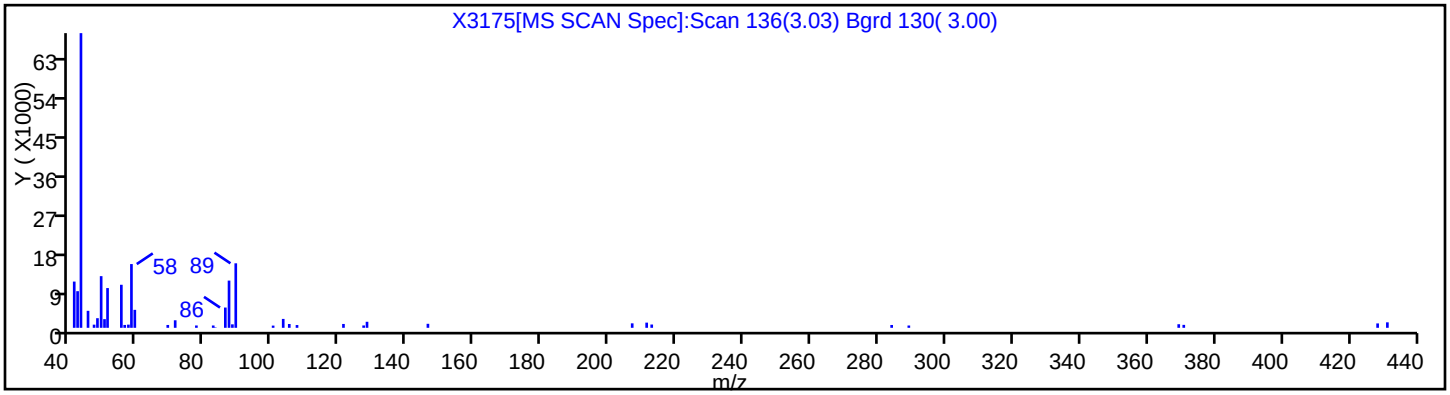
Reviewer: mckernar, 20-Dec-2012 09:40:03
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 09-Mar-2013 09:48:33 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3175.D		
Injection Date:	19-Dec-2012 19:47:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-514-15/17-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	22
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

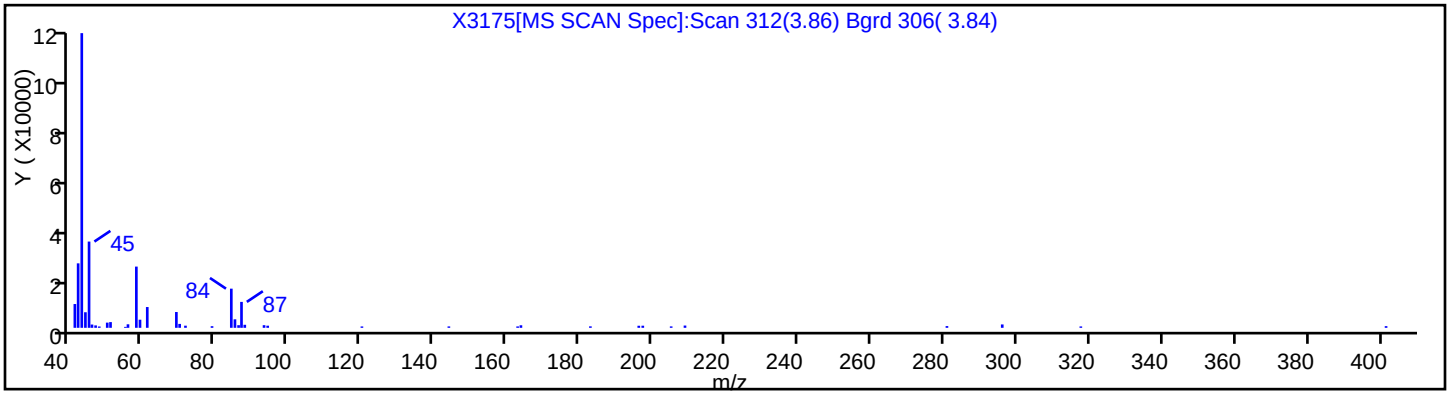


Report Date: 09-Mar-2013 09:48:33 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3175.D		
Injection Date:	19-Dec-2012 19:47:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-514-15/17-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	22
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

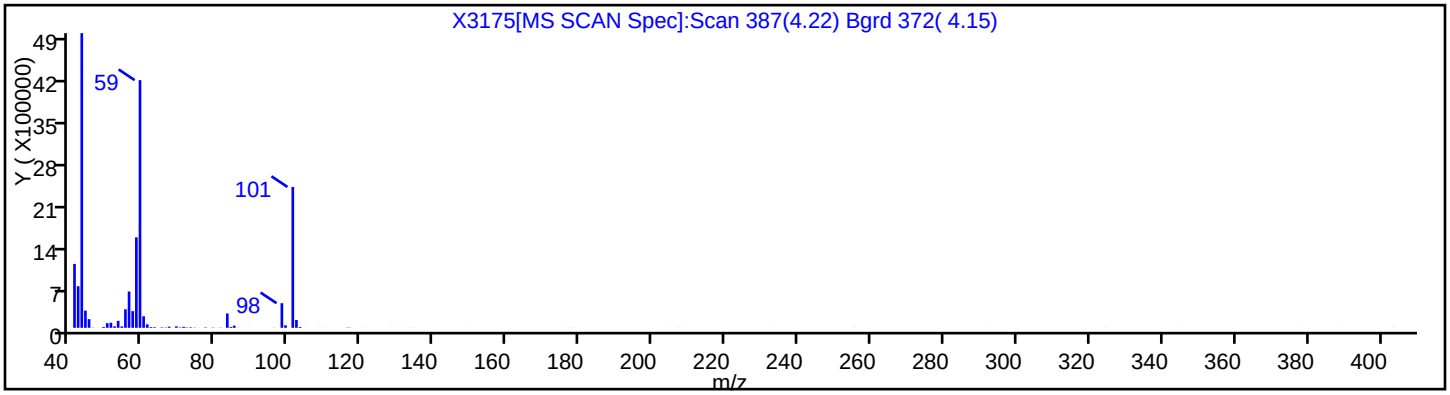


Report Date: 09-Mar-2013 09:48:33 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3175.D		
Injection Date:	19-Dec-2012 19:47:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-514-15/17-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	22
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

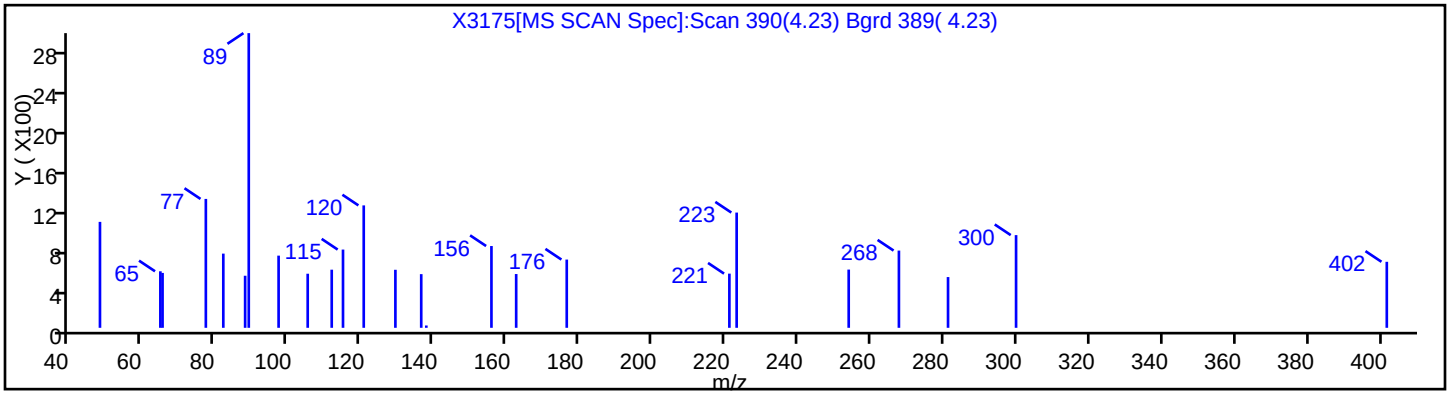


Report Date: 09-Mar-2013 09:48:33 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3175.D		
Injection Date:	19-Dec-2012 19:47:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-514-15/17-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	22
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

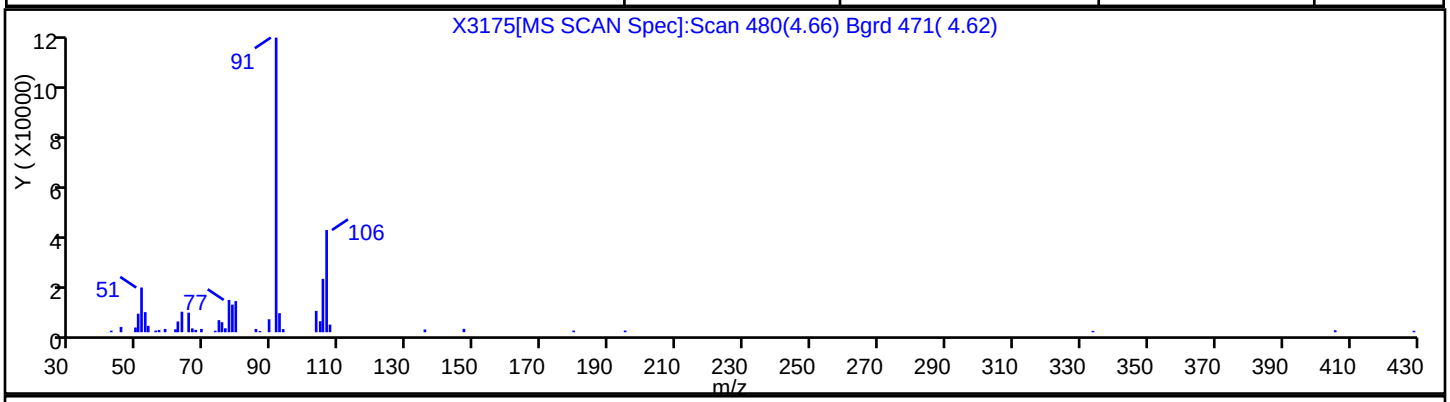


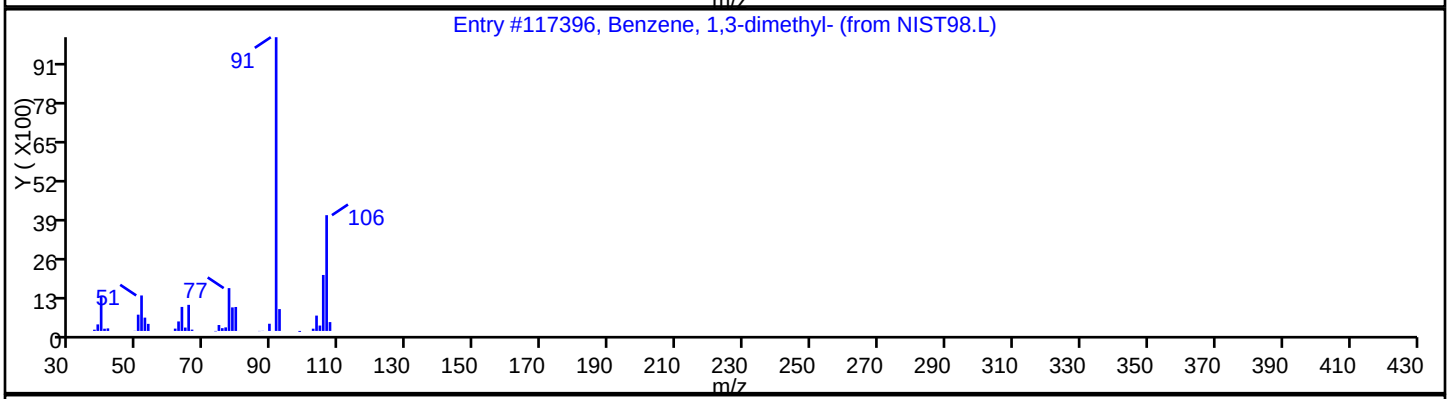
Report Date: 09-Mar-2013 09:48:33 Chrom Revision: 2.0 01-Feb-2013 10:03:10

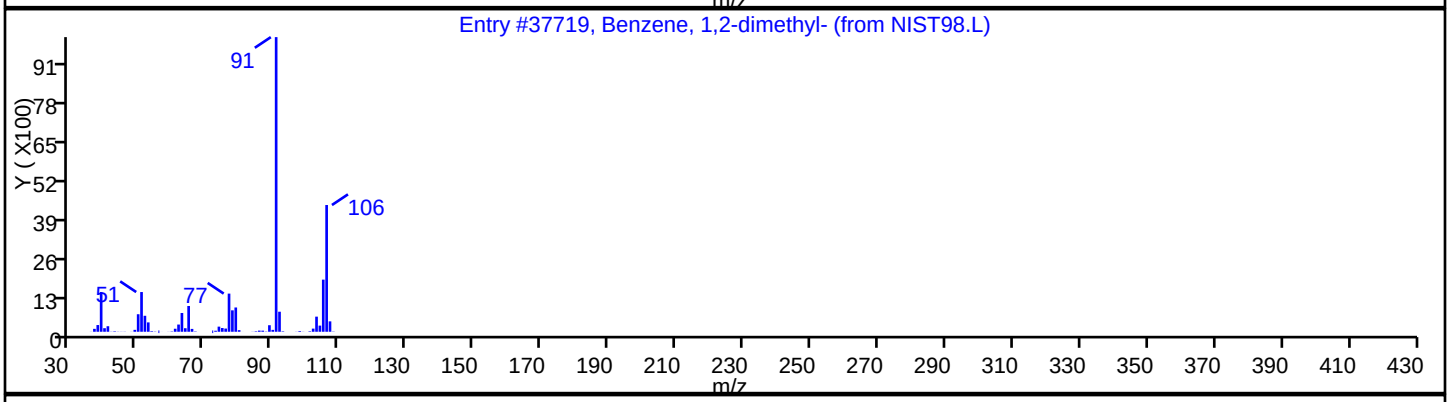
TestAmerica Buffalo

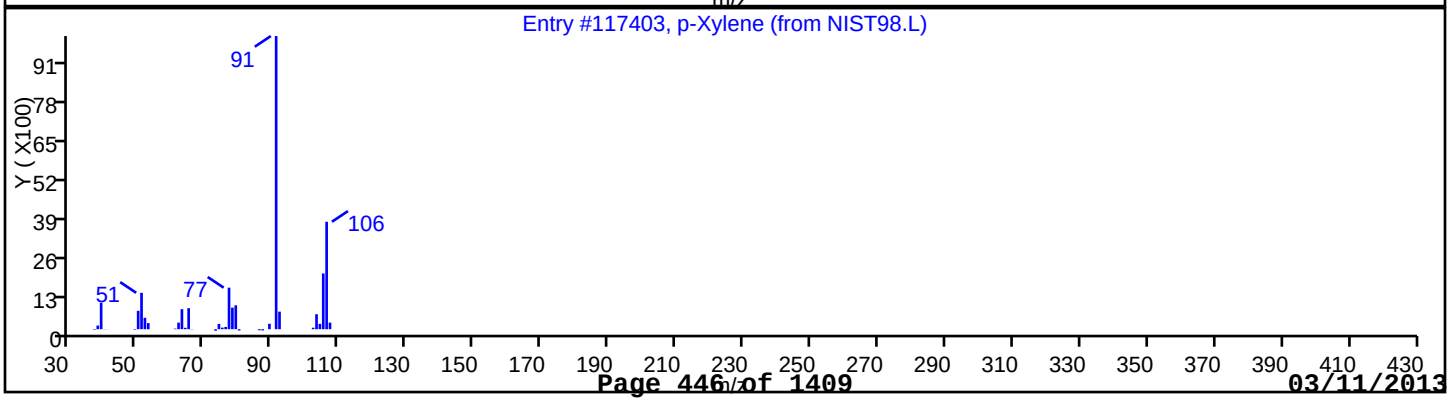
Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3175.D		
Injection Date:	19-Dec-2012 19:47:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-514-15/17-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	22
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Benzene, 1,3-dimethyl-	108-38-3	NIST98.L	117396	95
Benzene, 1,2-dimethyl-	95-47-6	NIST98.L	37719	87
p-Xylene	106-42-3	NIST98.L	117403	87







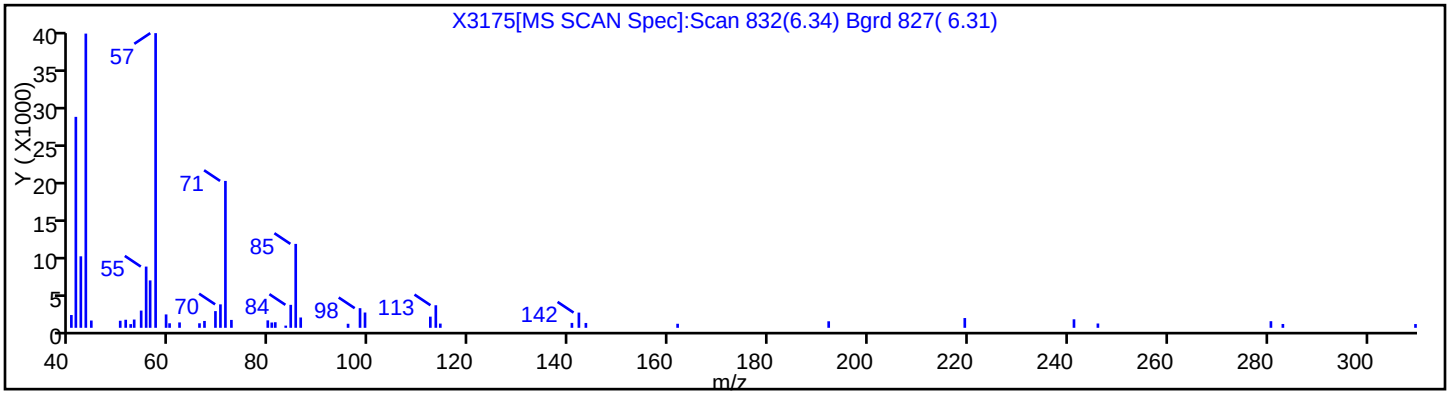


Report Date: 09-Mar-2013 09:48:33 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3175.D		
Injection Date:	19-Dec-2012 19:47:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-514-15/17-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	22
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

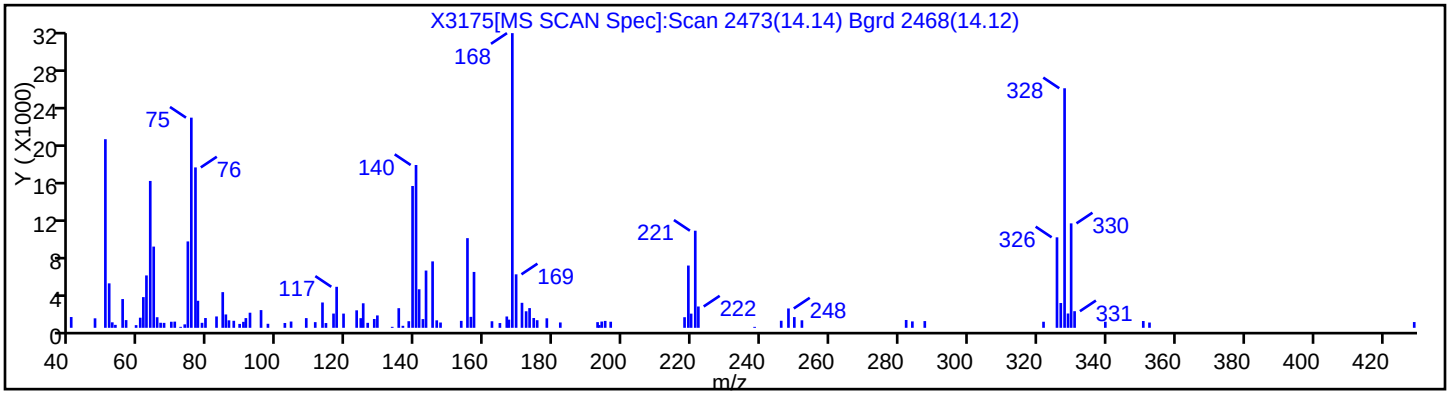


Report Date: 09-Mar-2013 09:48:33 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3175.D		
Injection Date:	19-Dec-2012 19:47:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-514-15/17-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	22
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

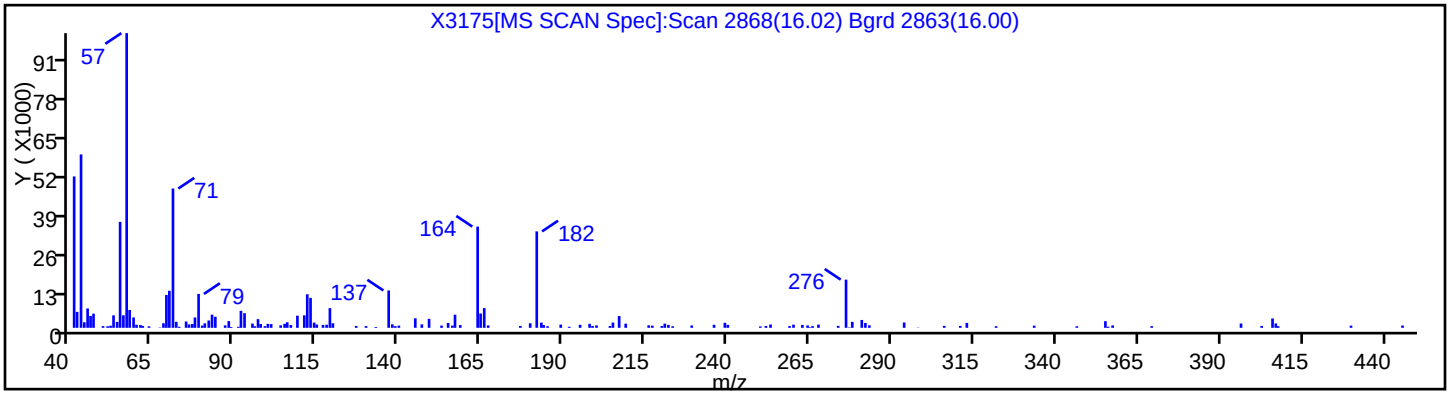


Report Date: 09-Mar-2013 09:48:33 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3175.D		
Injection Date:	19-Dec-2012 19:47:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-514-15/17-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	22
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.: 480-30106-1

SDG No.:

Client Sample ID: OC-SB-515-6.0/8.0-XXX | Lab Sample ID: 480-30106-8

Matrix: Solid | Lab File ID: X3176.D

Analysis Method: 8270D | Date Collected: 12/12/2012 10:20

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

Sample wt/vol: 000030.2(g) | Date Analyzed: 12/19/2012 20:12

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

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

% Moisture: 15.4 | 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		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	ND		39	12
132-64-9	Dibenzofuran	ND		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	ND		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	ND		39	12
88-75-5	2-Nitrophenol	ND	*	39	15
207-08-9	Benzo[k]fluoranthene	ND		39	20
51-28-5	2,4-Dinitrophenol	ND	*	39	32
120-12-7	Anthracene	ND		39	12
91-57-6	2-Methylnaphthalene	ND		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	ND		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	ND		39	12
88-06-2	2,4,6-Trichlorophenol	ND		39	16
87-86-5	Pentachlorophenol	ND		39	12
206-44-0	Fluoranthene	ND		39	12
91-94-1	3,3'-Dichlorobenzidine	ND		78	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.: 480-30106-1

SDG No.:

Client Sample ID: OC-SB-515-6.0/8.0-XXX | Lab Sample ID: 480-30106-8

Matrix: Solid | Lab File ID: X3176.D

Analysis Method: 8270D | Date Collected: 12/12/2012 10:20

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

Sample wt/vol: 000030.2(g) | Date Analyzed: 12/19/2012 20:12

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

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

% Moisture: 15.4 | 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		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	ND		39	12
193-39-5	Indeno[1,2,3-cd]pyrene	ND		39	12
85-68-7	Butyl benzyl phthalate	ND		39	12
218-01-9	Chrysene	ND		39	12
83-32-9	Acenaphthene	ND		39	12
205-99-2	Benzo[b]fluoranthene	ND		39	12
100-02-7	4-Nitrophenol	ND	*	200	16
106-47-8	4-Chloroaniline	ND	*	78	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		78	12
50-32-8	Benzo[a]pyrene	ND		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	49
105-60-2	Caprolactam	ND		39	12
86-74-8	Carbazole	ND		39	12
534-52-1	4,6-Dinitro-2-methylphenol	ND		200	38
90-12-0	1-Methylnaphthalene	ND		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.: 480-30106-1

SDG No.:

Client Sample ID: OC-SB-515-6.0/8.0-XXX | Lab Sample ID: 480-30106-8

Matrix: Solid | Lab File ID: X3176.D

Analysis Method: 8270D | Date Collected: 12/12/2012 10:20

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

Sample wt/vol: 000030.2(g) | Date Analyzed: 12/19/2012 20:12

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

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

% Moisture: 15.4 | 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		39	12
100-52-7	Benzaldehyde	ND		39	12
103-33-3	Azobenzene	ND		39	12
77-47-4	Hexachlorocyclopentadiene	ND		78	12
99-09-2	3-Nitroaniline	ND		200	12
62-75-9	N-Nitrosodimethylamine	ND		39	12
100-51-6	Benzyl alcohol	ND		78	12
92-52-4	1,1'-Biphenyl	ND		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	66		30-130
367-12-4	2-Fluorophenol	74		30-130
4165-60-0	Nitrobenzene-d5	68		30-130
4165-62-2	Phenol-d5	55		30-130
321-60-8	2-Fluorobiphenyl	84		30-130
1718-51-0	p-Terphenyl-d14	94		30-130

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

Lab Name: TestAmerica Buffalo | Job No.: 480-30106-1

SDG No.:

Client Sample ID: OC-SB-515-6.0/8.0-XXX | Lab Sample ID: 480-30106-8

Matrix: Solid | Lab File ID: X3176.D

Analysis Method: 8270D | Date Collected: 12/12/2012 10:20

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

Sample wt/vol: 000030.2(g) | Date Analyzed: 12/19/2012 20:12

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

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

% Moisture: 15.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 96568 | Units: ug/Kg

Number TICs Found: 8 | TIC Result Total: 4523

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	3.85	48	T J
	Unknown	4.21	4300	T J
108-38-3	Benzene, 1,3-dimethyl-	4.66	55	T J N
	Unknown	6.34	27	T J
	Unknown	7.48	25	T J
	Unknown	15.87	25	T J
	Unknown	16.13	22	T J
	Unknown	16.40	21	T J

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3176.D		
Lims ID:	480-30106-A-8-B	Client ID:	OC-SB-515-6.0/8.0-XXX
Inject. Date:	19-Dec-2012 20:12:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-0017692-023		
Misc. Info.:			
Operator:	ANM	Instrument ID:	HP5973X
Injection Vol:	1.0 ul	ALS Bottle#:	24
Lims Batch ID:	96568	Lims Sample ID:	23
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 09:41:03

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.565	6.546	0.019	84	230215	5.00	
* 2 Naphthalene-d8	136	8.463	8.482	-0.019	97	824924	5.00	
* 3 Acenaphthene-d10	164	11.107	11.107	0.0	89	523830	5.00	
* 4 Phenanthrene-d10	188	13.118	13.104	0.014	96	811501	5.00	
* 5 Chrysene-d12	240	15.758	15.753	0.005	93	529042	5.00	
* 6 Perylene-d12	264	17.042	17.037	0.005	95	489549	5.00	
$ 7 2-Fluorophenol	112	4.701	4.620	0.081	0	77721	1.49	M
$ 8 Phenol-d5	99	6.147	6.056	0.091	78	70424	1.11	M
$ 9 Nitrobenzene-d5	82	7.421	7.407	0.014	70	83515	1.35	M
$ 10 2-Fluorobiphenyl	172	10.127	10.122	0.005	87	221698	1.69	M
$ 11 2,4,6-Tribromophenol	330	12.310	12.257	0.053	0	19826	1.33	M
$ 12 p-Terphenyl-d14	244	14.788	14.778	0.010	93	191231	1.87	
19 N-Nitrosodimethylamine	42		2.718					
21 Benzaldehyde	77		5.895					19
23 Aniline	93		6.066					
22 Phenol	94		6.075					
24 Bis(2-chloroethyl)ether	93		6.170					
25 2-Chlorophenol	128		6.237					1
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					
31 2-Methylphenol	108		6.988					
32 2,2'-oxybis[1-chloropropane]	45		6.998					
33 Acetophenone	105		7.179					
34 N-Nitrosodi-n-propylamine	70		7.193					14
35 DFTPP								
36 4-Methylphenol	108		7.245					9
37 Hexachloroethane	117		7.302					
38 Nitrobenzene	77		7.435					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
40 Isophorone	82		7.806					
41 2-Nitrophenol	139		7.925					19
43 2,4-Dimethylphenol	107		8.039					
45 Bis(2-chloroethoxy)methane	93		8.163					14
44 Benzoic acid	105		8.220					
47 2,4-Dichlorophenol	162		8.315					9
48 1,2,4-Trichlorobenzene	180		8.405					
49 Naphthalene	128		8.515					9
51 4-Chloroaniline	127		8.643					
52 Hexachlorobutadiene	225		8.715					
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					
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					14
63 2-Chloronaphthalene	162		10.312					
64 Phenyl ether	170		10.427					
65 2-Nitroaniline	65		10.484					19
67 Dimethyl phthalate	163		10.764					9
68 2,6-Dinitrotoluene	165		10.850					19
69 Acenaphthylene	152		10.893					
70 3-Nitroaniline	138		11.111					
71 Acenaphthene	153		11.154					
72 2,4-Dinitrophenol	184		11.283					
73 Dibenzofuran	168		11.416					
74 2,4-Dinitrotoluene	165		11.459					19
75 4-Nitrophenol	109		11.487					
76 2,3,4,6-Tetrachlorophenol	232		11.635					
78 Diethyl phthalate	149		11.810					
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					
83 N-Nitrosodiphenylamine	169		12.105					
16 1,2-Diphenylhydrazine	77		12.148					1
85 Azobenzene	77		12.148					1
86 Benzophenone	105		12.172					149
89 4-Bromophenyl phenyl ether	248		12.571					
91 Hexachlorobenzene	284		12.633					9
93 Atrazine	200		12.823					9
94 Pentachlorophenol	266		12.904					
97 Phenanthrene	178		13.128					9
98 Anthracene	178		13.190					
99 Carbazole	167		13.399					19
102 Di-n-butyl phthalate	149		13.784					
104 Fluoranthene	202		14.407					9
106 Pyrene	202		14.631					9
108 Butyl benzyl phthalate	149		15.230					

Report Date: 09-Mar-2013 09:48:33 Chrom Revision: 2.0 01-Feb-2013 10:03:10
Data File: \\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3176.D

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
109 3,3'-Dichlorobenzidine	252		15.724					1
110 Bis(2-ethylhexyl) phthalate	149	15.720	15.729	-0.009	65	11722	0.1086	
111 Benzo[a]anthracene	228		15.743					9
112 Chrysene	228		15.777					9
113 Di-n-octyl phthalate	149		16.266					9
114 Benzo[b]fluoranthene	252		16.680					
115 Benzo[k]fluoranthene	252		16.704					9
116 Benzo[a]pyrene	252		16.985					
117 Indeno[1,2,3-cd]pyrene	276		18.126					9
118 Dibenz(a,h)anthracene	278		18.126					9
119 Benzo[g,h,i]perylene	276		18.444					
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\X3176.D		
Lims ID:	480-30106-A-8-B	Client ID:	OC-SB-515-6.0/8.0-XXX
Inject. Date:	19-Dec-2012 20:12:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-0017692-023		
Misc. Info.:			
Operator:	ANM	Instrument ID:	HP5973X
Injection Vol:	1.0 ul	ALS Bottle#:	24
Lims Batch ID:	96568	Lims Sample ID:	23
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 09:41:03

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ng/uL	Flags
1,4-Dioxane	2.404	2153		
Pyridine	2.708	262	0.006135	

Tentative Identified Compound Results

RT	Response	Amount ng/uL	Quant Cpnd	Qual	Lib Entry	Flags
		Unknown				
3.854	384596	1.23	1			
		Unknown				
4.211	34315445	109.4	1			
108-38-3		Benzene, 1,3-dimethyl-				
4.658	438423	1.40	1	91	117394	
		Unknown				
6.337	213142	0.6795	1			
		Unknown				
7.483	202302	0.6449	1			
		Unknown				
15.867	186440	0.6332	5			
		Unknown				
16.133	165876	0.5634	5			
		Unknown				
16.400	155577	0.5284	5			

Report Date: 09-Mar-2013 09:48:33 Chrom Revision: 2.0 01-Feb-2013 10:03:10
Data File: \\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3176.D
Quantitation Compounds

Compound	RT	Response	Amount ng/uL
* 1 1,4-Dichlorobenzene-d4	6.565	1568481	5.00
* 5 Chrysene-d12	15.758	1472189	5.00

QC Flag Legend

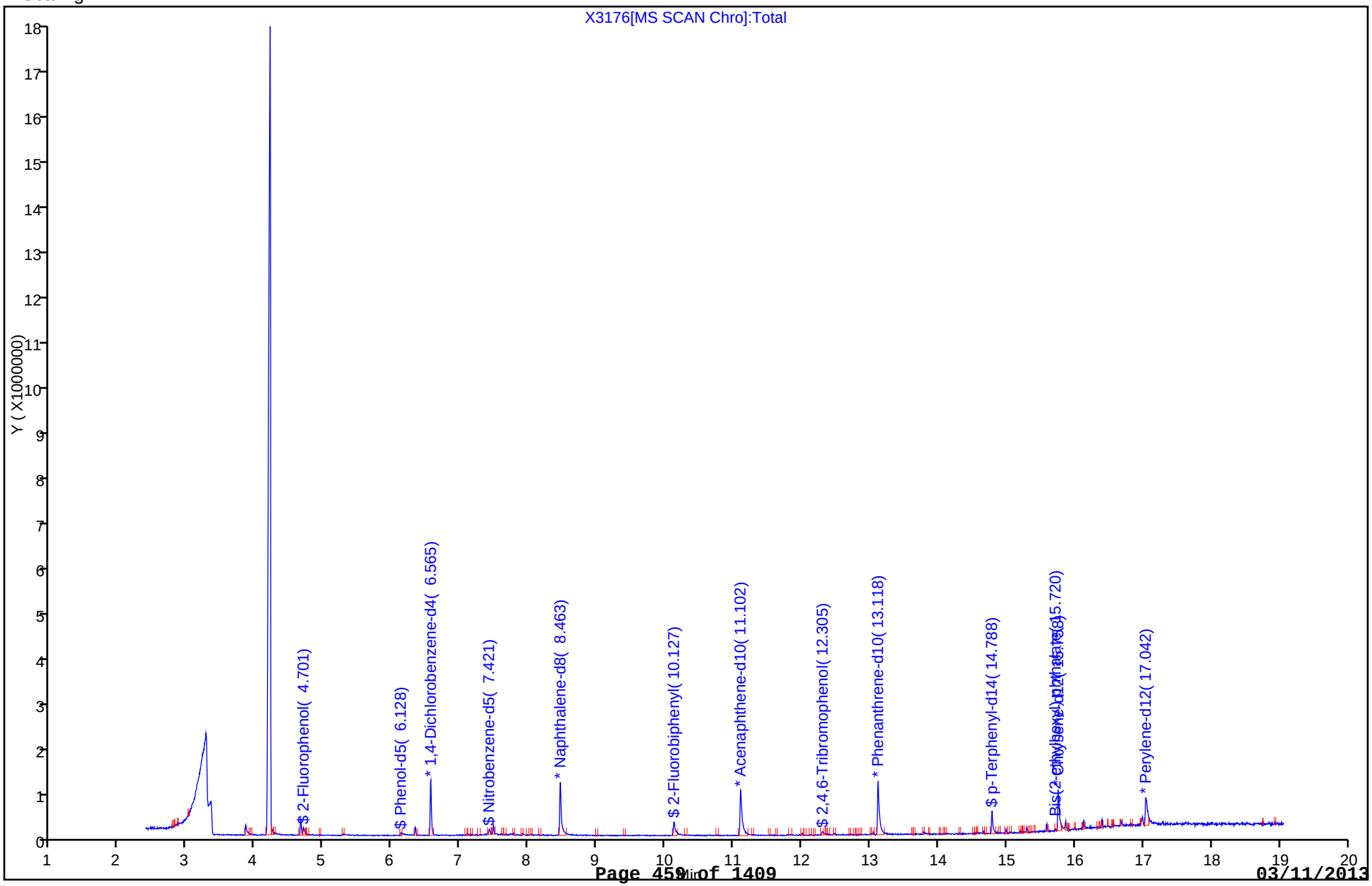
Processing Flags

Report Date: 09-Mar-2013 09:48:33 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3176.D		
Injection Date:	19-Dec-2012 20:12:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-515-6.0/8.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	23
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

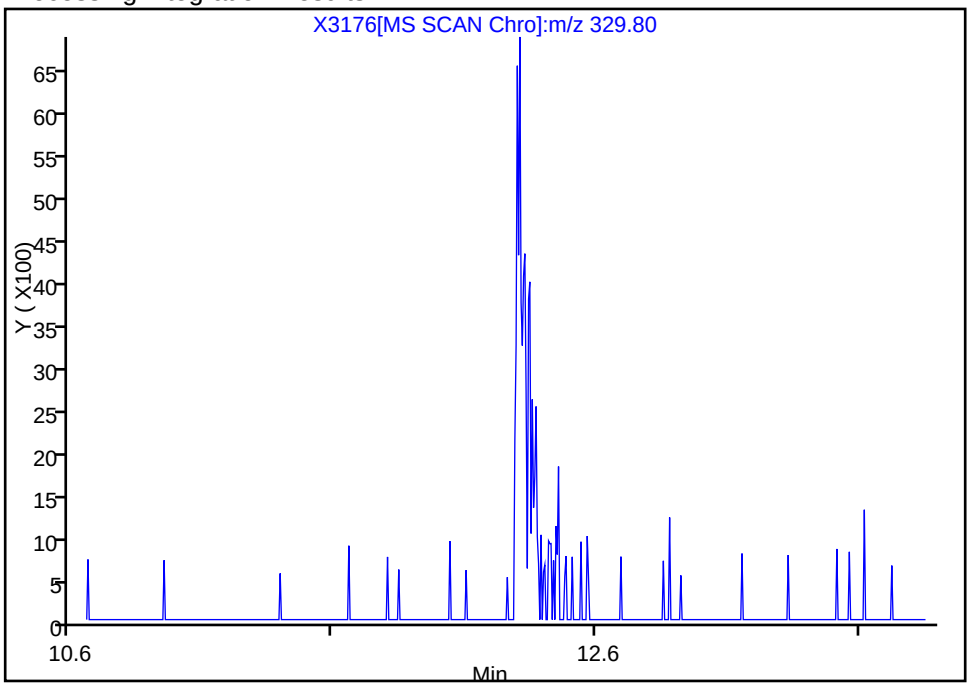
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3176.D		
Injection Date:	19-Dec-2012 20:12:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-515-6.0/8.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	23
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

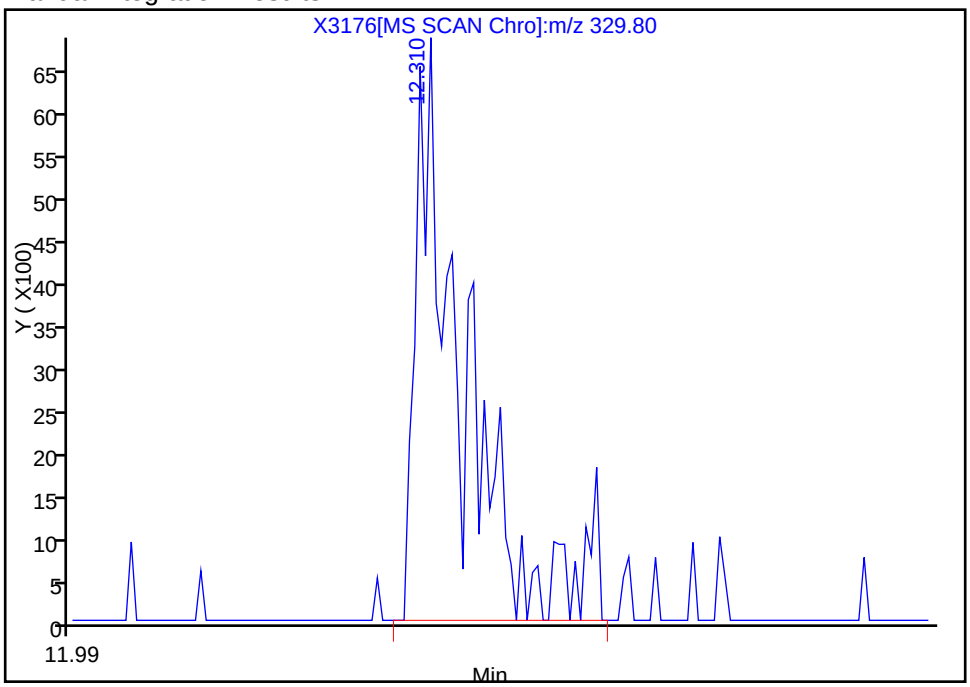
Processing Integration Results

Not Detected
Expected RT: 12.26



Manual Integration Results

RT: 12.31
Response: 19826
Amount: 1.328070



Reviewer: mckernar, 20-Dec-2012 09:41:03
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

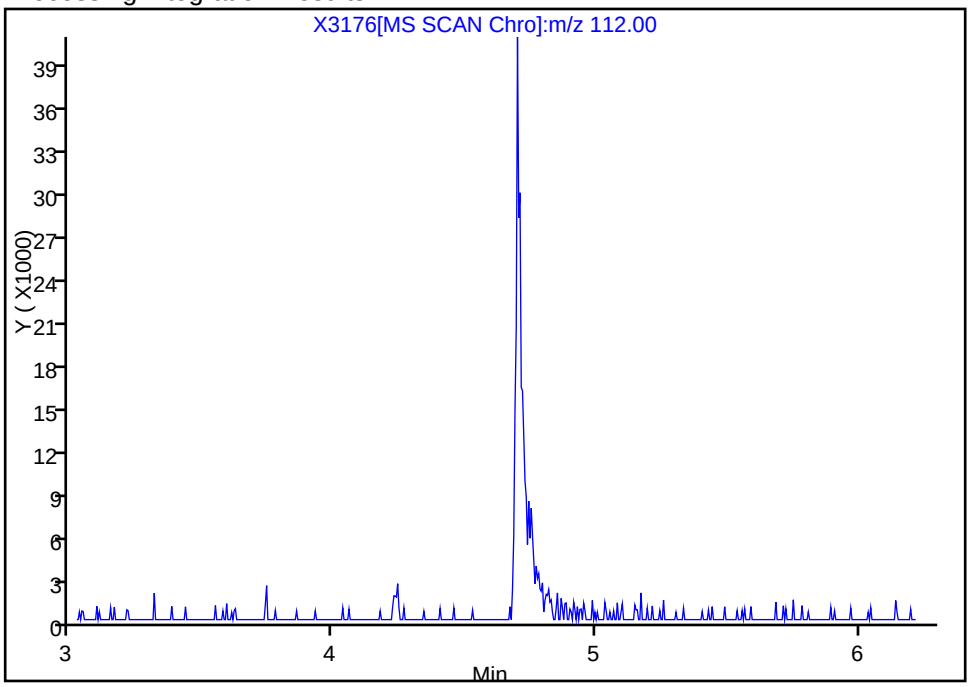
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3176.D		
Injection Date:	19-Dec-2012 20:12:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-515-6.0/8.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	23
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

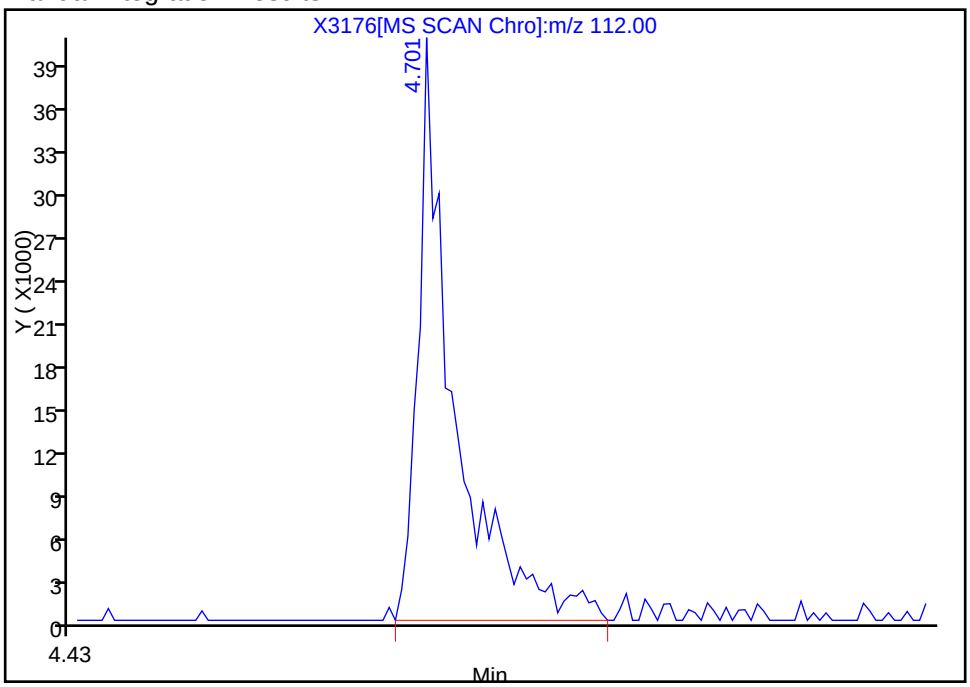
Processing Integration Results

Not Detected
Expected RT: 4.62



Manual Integration Results

RT: 4.70
Response: 77721
Amount: 1.487682



Reviewer: mckernar, 20-Dec-2012 09:41:03
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

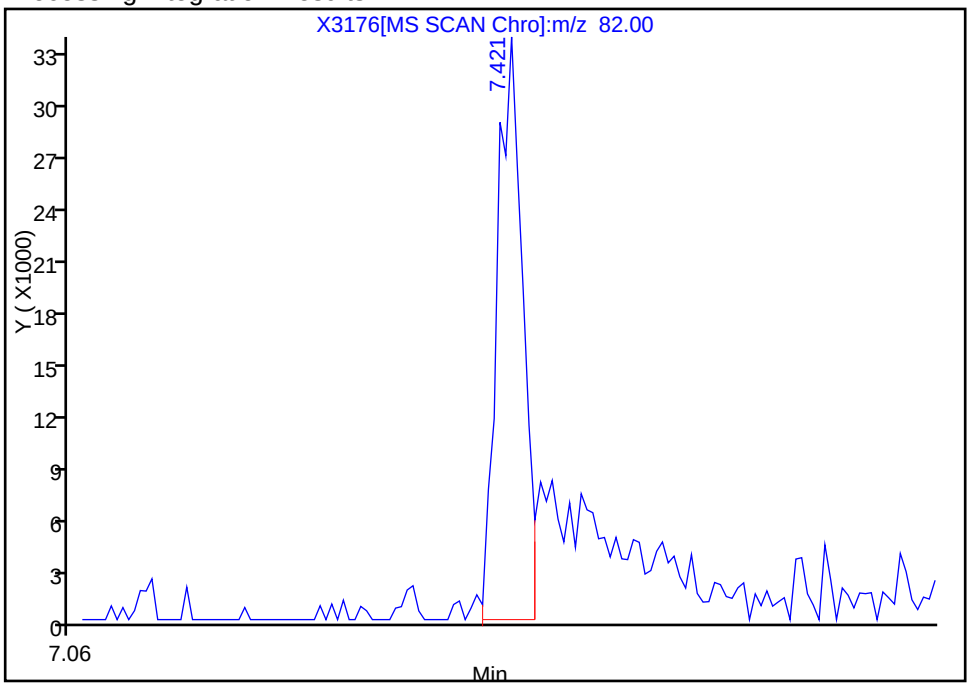
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3176.D		
Injection Date:	19-Dec-2012 20:12:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-515-6.0/8.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	23
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: 7.41

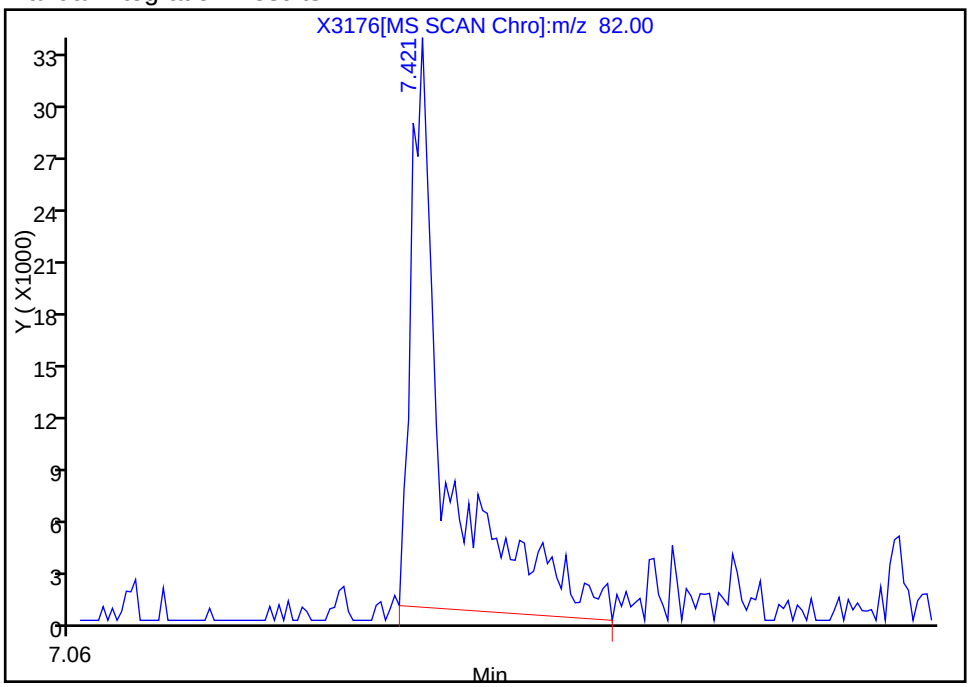
Processing Integration Results

RT: 7.42
Response: 48964
Amount: 0.706685



Manual Integration Results

RT: 7.42
Response: 83515
Amount: 1.350305



Reviewer: mckernar, 20-Dec-2012 09:41:03
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

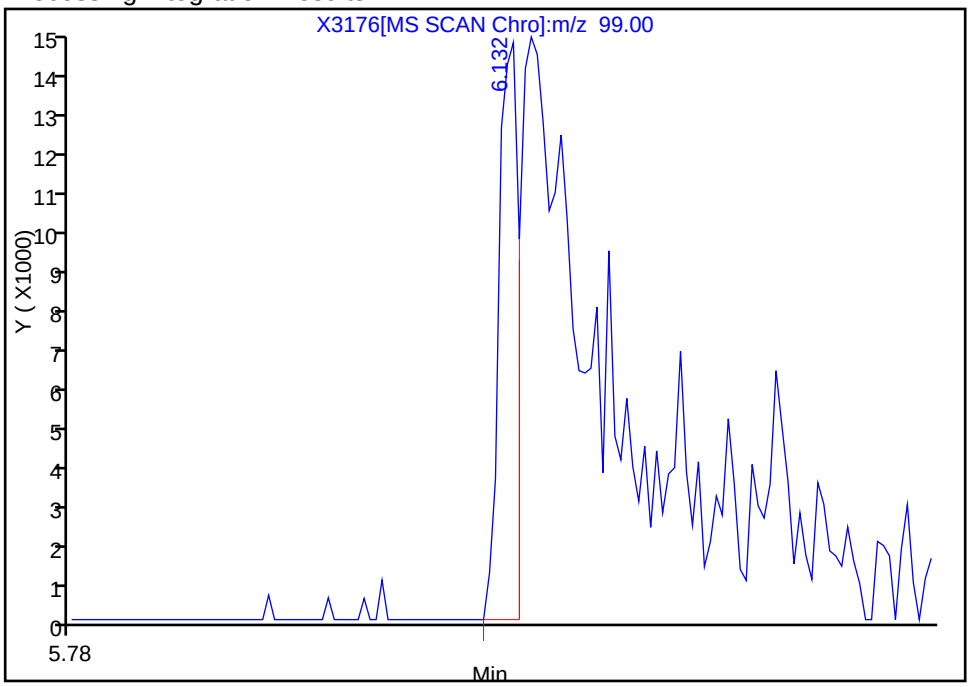
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3176.D		
Injection Date:	19-Dec-2012 20:12:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-515-6.0/8.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	23
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

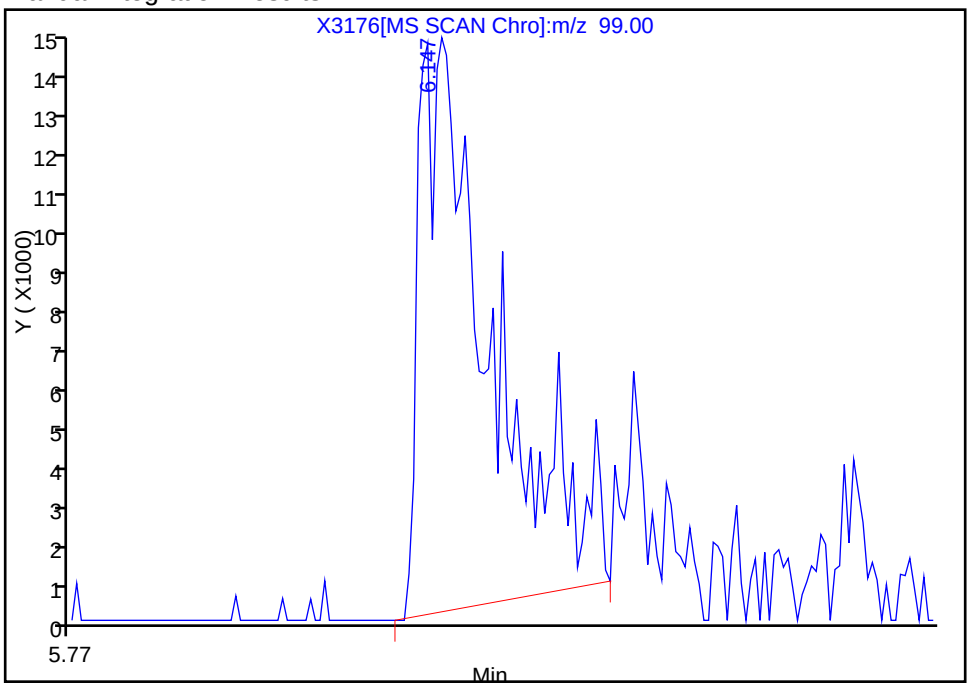
Processing Integration Results

RT: 6.13
Response: 15170
Amount: 0.221693



Manual Integration Results

RT: 6.15
Response: 70424
Amount: 1.107574



Reviewer: mckernar, 20-Dec-2012 09:41:03
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

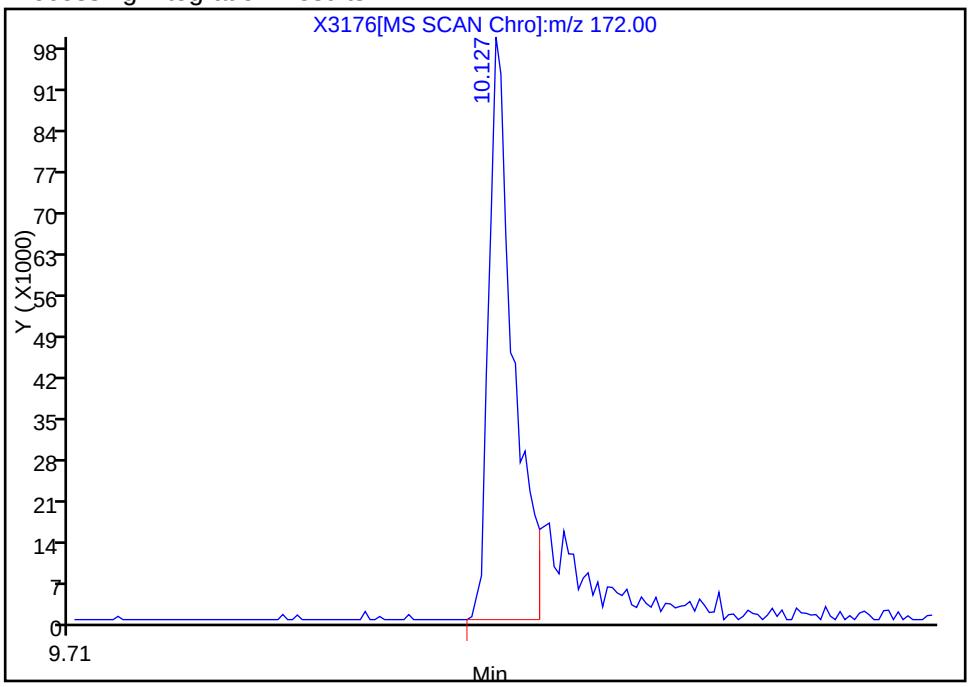
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3176.D		
Injection Date:	19-Dec-2012 20:12:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-515-6.0/8.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	23
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

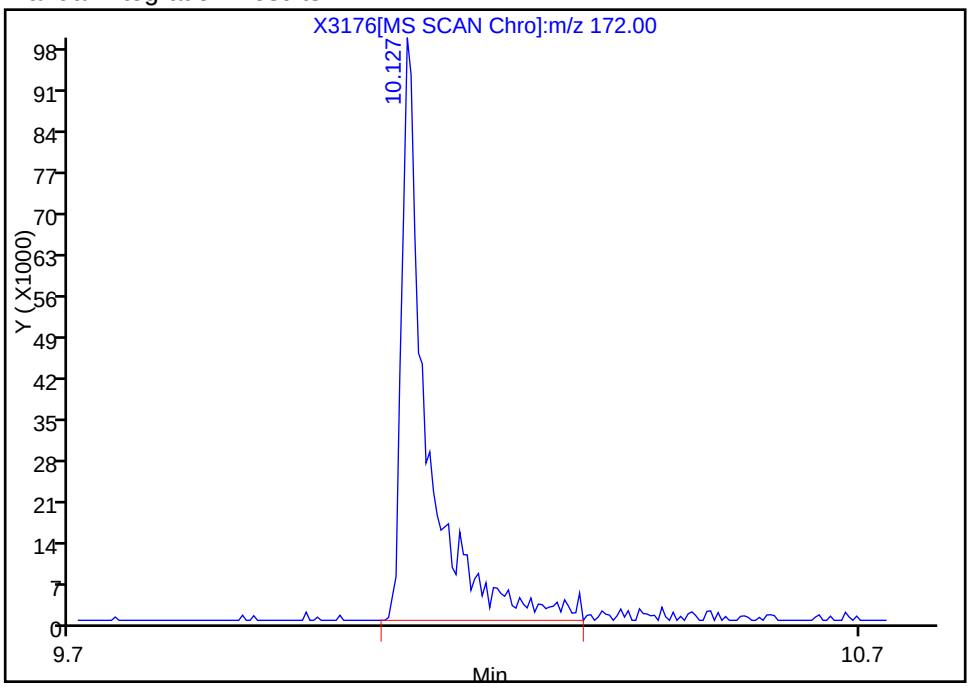
Processing Integration Results

RT: 10.13
Response: 166469
Amount: 1.151344



Manual Integration Results

RT: 10.13
Response: 221698
Amount: 1.686390



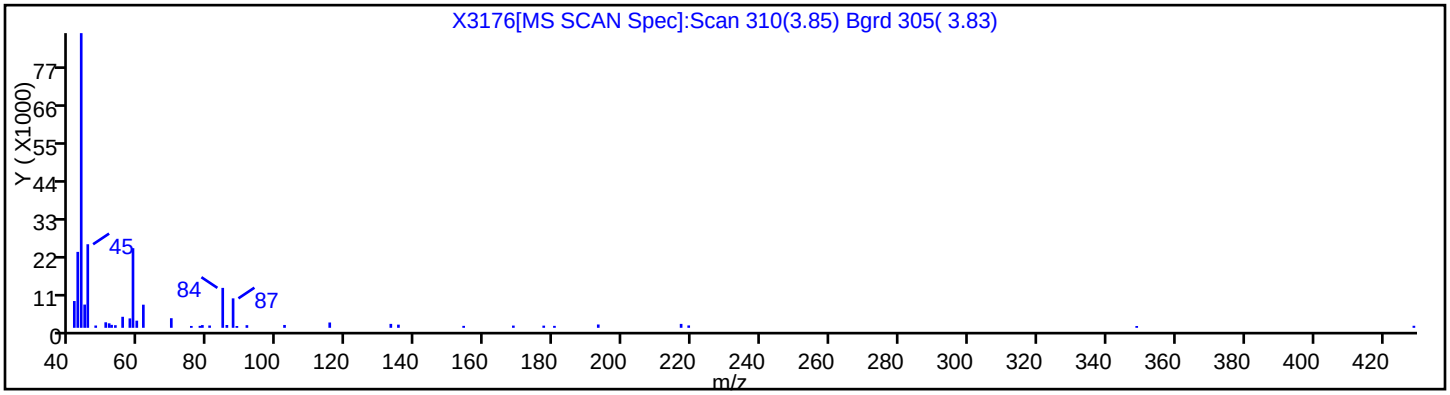
Reviewer: mckernar, 20-Dec-2012 09:41:03
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 09-Mar-2013 09:48:34 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3176.D		
Injection Date:	19-Dec-2012 20:12:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-515-6.0/8.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	23
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

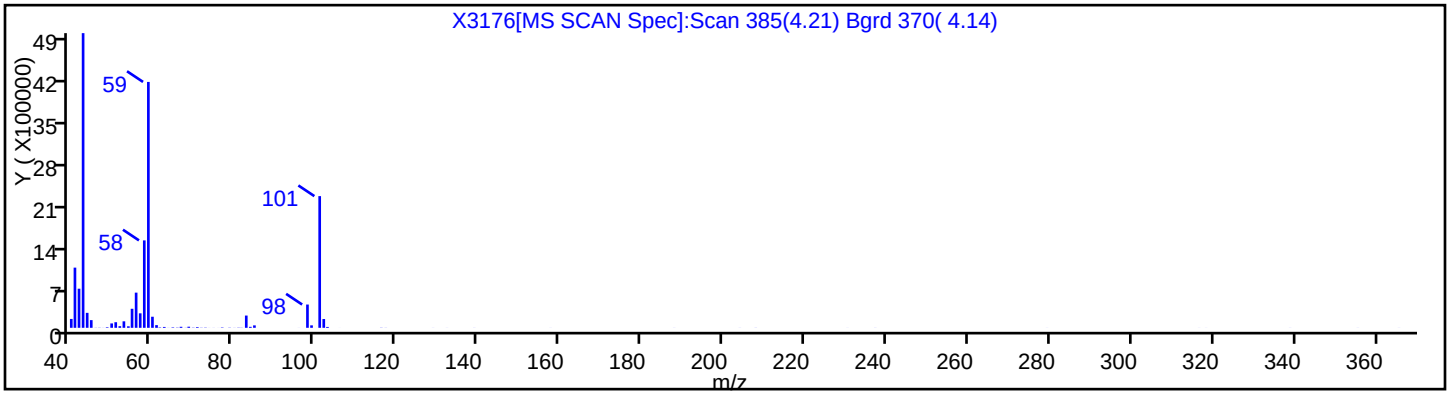


Report Date: 09-Mar-2013 09:48:34 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3176.D		
Injection Date:	19-Dec-2012 20:12:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-515-6.0/8.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	23
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

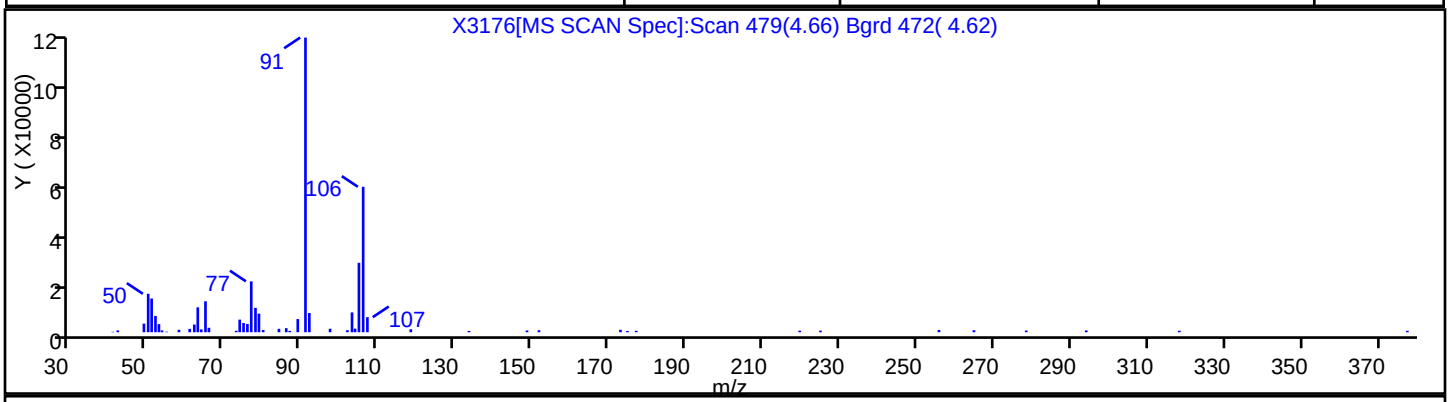


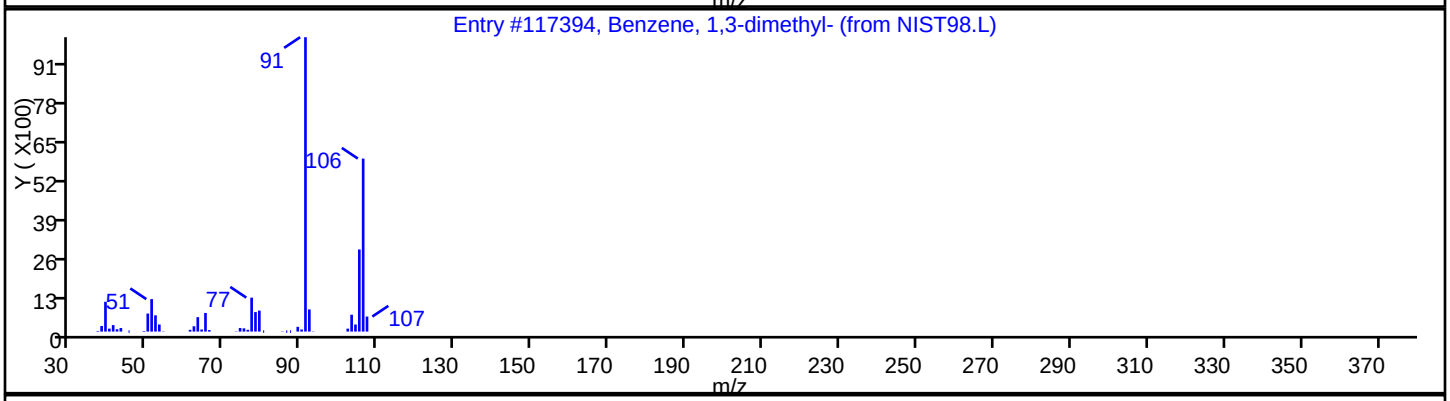
Report Date: 09-Mar-2013 09:48:34 Chrom Revision: 2.0 01-Feb-2013 10:03:10

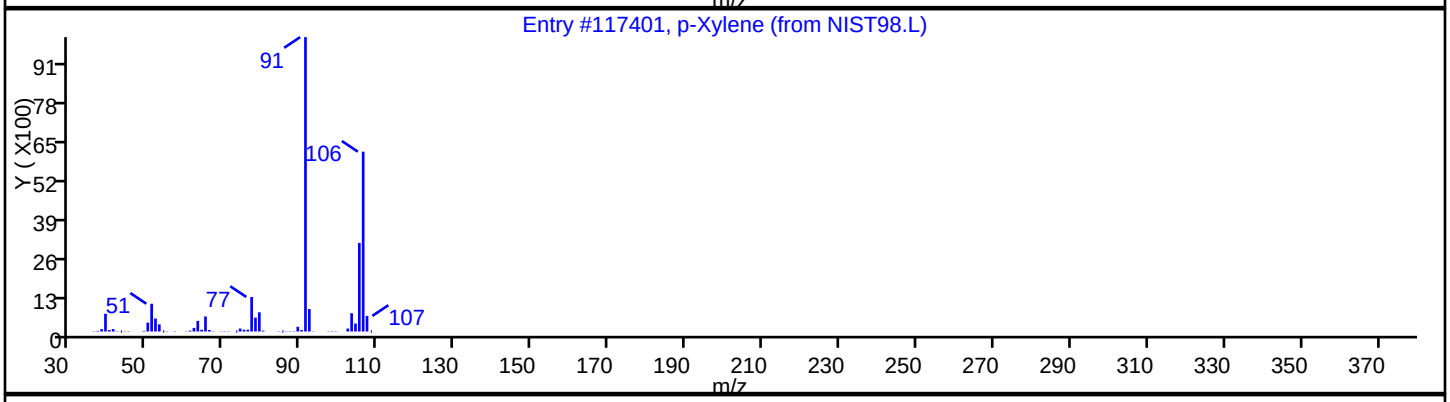
TestAmerica Buffalo

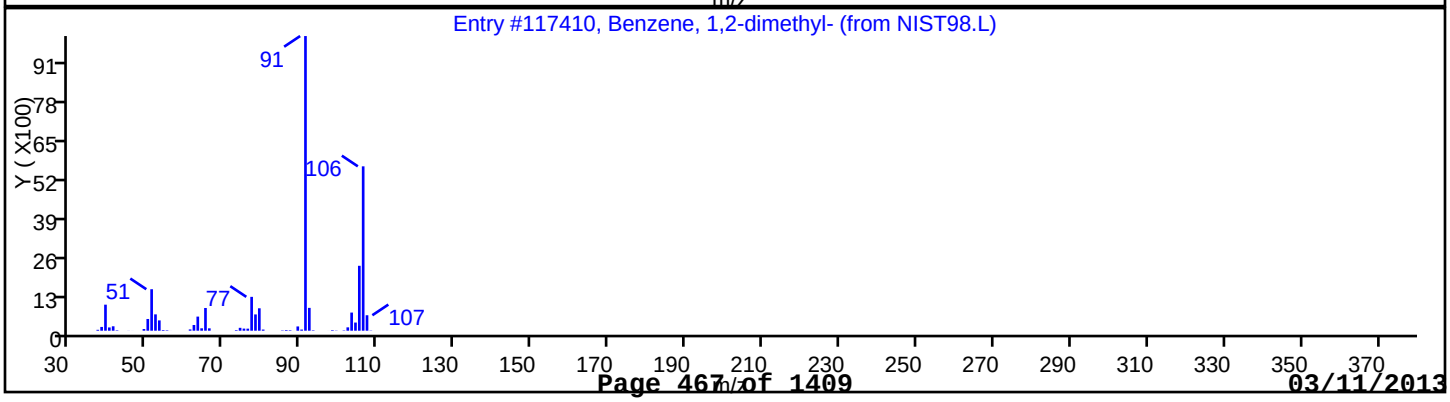
Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3176.D		
Injection Date:	19-Dec-2012 20:12:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-515-6.0/8.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	23
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Benzene, 1,3-dimethyl-	108-38-3	NIST98.L	117394	91
p-Xylene	106-42-3	NIST98.L	117401	91
Benzene, 1,2-dimethyl-	95-47-6	NIST98.L	117410	91







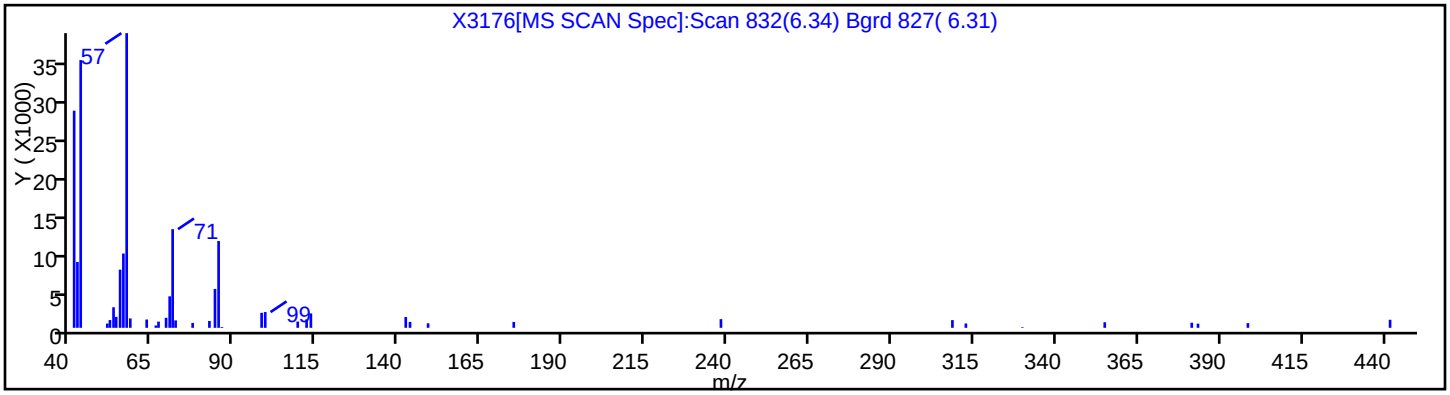


Report Date: 09-Mar-2013 09:48:34 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3176.D		
Injection Date:	19-Dec-2012 20:12:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-515-6.0/8.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	23
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

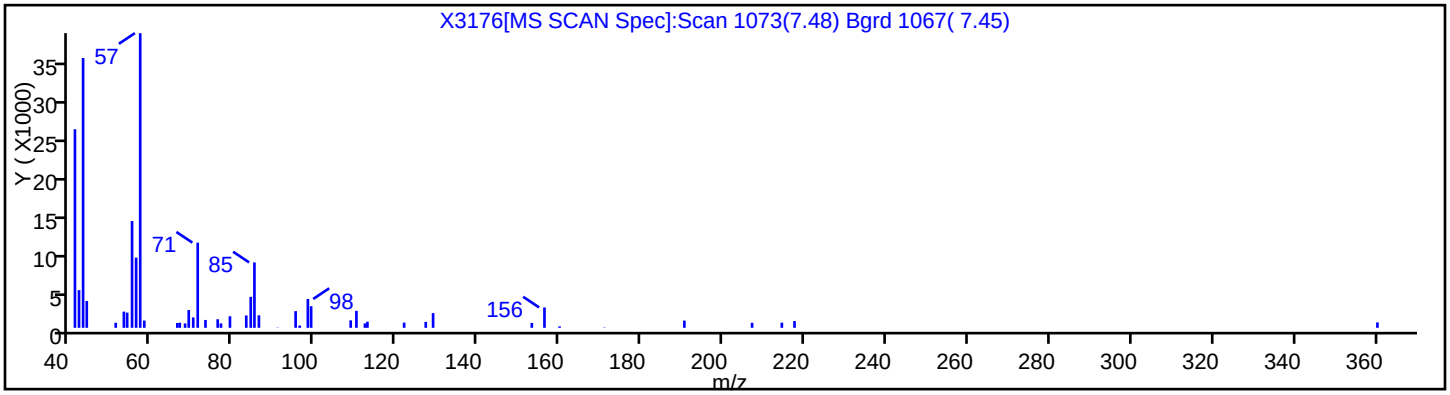


Report Date: 09-Mar-2013 09:48:34 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3176.D		
Injection Date:	19-Dec-2012 20:12:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-515-6.0/8.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	23
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

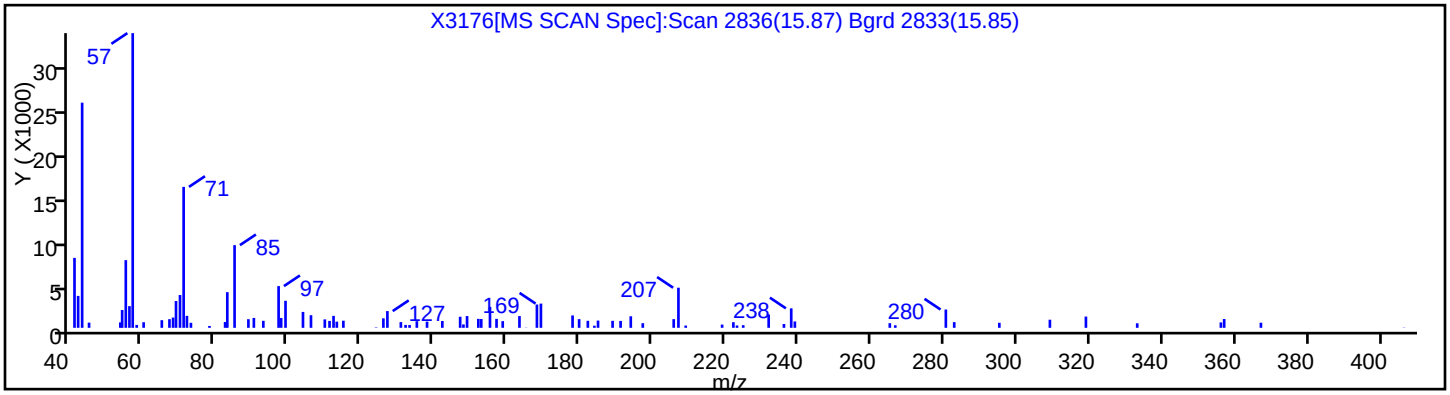


Report Date: 09-Mar-2013 09:48:34 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3176.D		
Injection Date:	19-Dec-2012 20:12:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-515-6.0/8.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	23
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

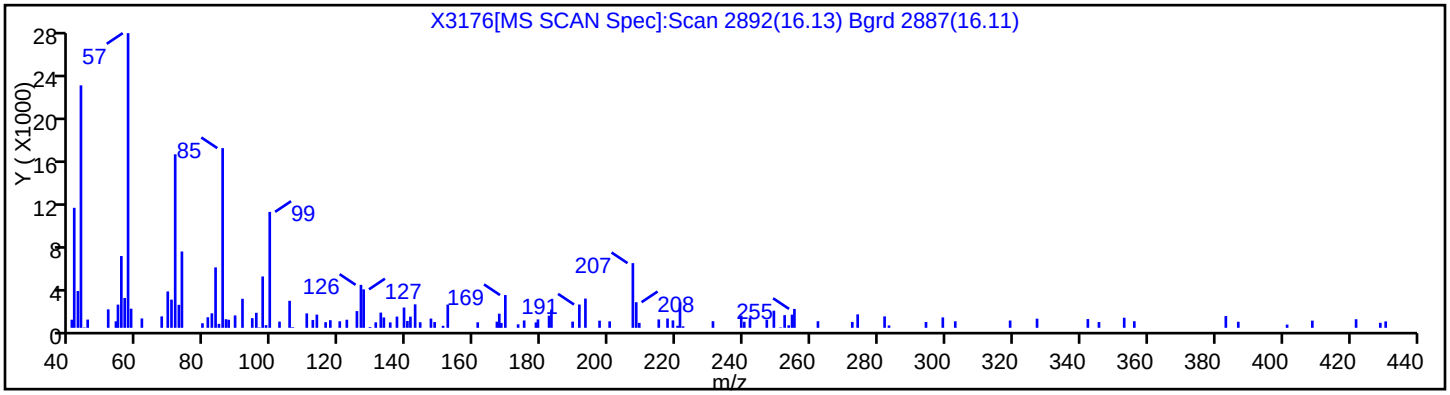


Report Date: 09-Mar-2013 09:48:34 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3176.D		
Injection Date:	19-Dec-2012 20:12:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-515-6.0/8.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	23
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

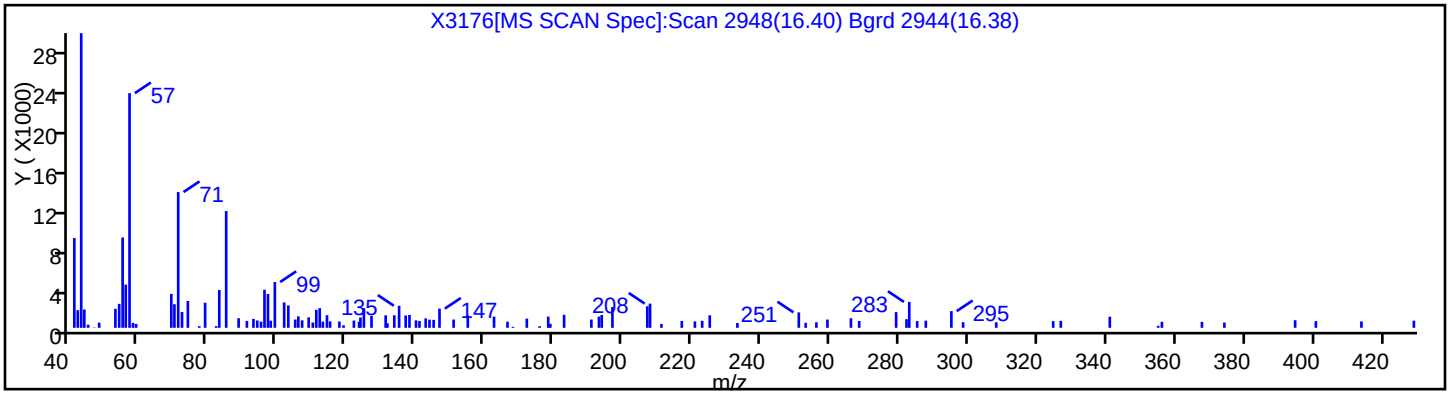


Report Date: 09-Mar-2013 09:48:34 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3176.D		
Injection Date:	19-Dec-2012 20:12:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-515-6.0/8.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	23
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.: 480-30106-1

SDG No.:

Client Sample ID: OC-SB-515-13/15-XXX | Lab Sample ID: 480-30106-9

Matrix: Solid | Lab File ID: X3192.D

Analysis Method: 8270D | Date Collected: 12/12/2012 10:45

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

Sample wt/vol: 000030.9(g) | Date Analyzed: 12/20/2012 11:01

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

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

% Moisture: 16.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 96803 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
117-81-7	Bis(2-ethylhexyl) phthalate	ND		190	78
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	ND		39	12
132-64-9	Dibenzofuran	ND		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	ND		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	ND		39	12
88-75-5	2-Nitrophenol	ND	*	39	15
207-08-9	Benzo[k]fluoranthene	ND		39	20
51-28-5	2,4-Dinitrophenol	ND	*	39	32
120-12-7	Anthracene	ND		39	12
91-57-6	2-Methylnaphthalene	ND		39	12
84-74-2	Di-n-butyl phthalate	ND		190	58
120-82-1	1,2,4-Trichlorobenzene	ND		39	12
129-00-0	Pyrene	ND		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	ND		39	12
88-06-2	2,4,6-Trichlorophenol	ND		39	16
87-86-5	Pentachlorophenol	ND		39	12
206-44-0	Fluoranthene	ND		39	12
91-94-1	3,3'-Dichlorobenzidine	ND		78	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.: 480-30106-1

SDG No.:

Client Sample ID: OC-SB-515-13/15-XXX | Lab Sample ID: 480-30106-9

Matrix: Solid | Lab File ID: X3192.D

Analysis Method: 8270D | Date Collected: 12/12/2012 10:45

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

Sample wt/vol: 000030.9(g) | Date Analyzed: 12/20/2012 11:01

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

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

% Moisture: 16.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 96803 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
84-66-2	Diethyl phthalate	ND		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	ND		39	12
193-39-5	Indeno[1,2,3-cd]pyrene	ND		39	12
85-68-7	Butyl benzyl phthalate	ND		39	12
218-01-9	Chrysene	ND		39	12
83-32-9	Acenaphthene	ND		39	12
205-99-2	Benzo[b]fluoranthene	ND		39	12
100-02-7	4-Nitrophenol	ND	*	190	16
106-47-8	4-Chloroaniline	ND	*	78	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		78	12
50-32-8	Benzo[a]pyrene	ND		39	12
106-44-5	4-Methylphenol	ND		39	12
100-01-6	4-Nitroaniline	ND		190	33
88-74-4	2-Nitroaniline	ND		190	49
105-60-2	Caprolactam	ND		39	12
86-74-8	Carbazole	ND		39	12
534-52-1	4,6-Dinitro-2-methylphenol	ND		190	37
90-12-0	1-Methylnaphthalene	ND		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.: 480-30106-1

SDG No.:

Client Sample ID: OC-SB-515-13/15-XXX | Lab Sample ID: 480-30106-9

Matrix: Solid | Lab File ID: X3192.D

Analysis Method: 8270D | Date Collected: 12/12/2012 10:45

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

Sample wt/vol: 000030.9(g) | Date Analyzed: 12/20/2012 11:01

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

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

% Moisture: 16.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 96803 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
101-84-8	Phenyl ether	ND		39	12
100-52-7	Benzaldehyde	ND		39	12
103-33-3	Azobenzene	ND		39	12
77-47-4	Hexachlorocyclopentadiene	ND		78	12
99-09-2	3-Nitroaniline	ND		190	12
62-75-9	N-Nitrosodimethylamine	ND		39	12
100-51-6	Benzyl alcohol	ND		78	12
92-52-4	1,1'-Biphenyl	ND		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		190	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	87		30-130
367-12-4	2-Fluorophenol	88		30-130
4165-60-0	Nitrobenzene-d5	68		30-130
4165-62-2	Phenol-d5	83		30-130
321-60-8	2-Fluorobiphenyl	81		30-130
1718-51-0	p-Terphenyl-d14	117		30-130

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

Lab Name: TestAmerica Buffalo | Job No.: 480-30106-1

SDG No.:

Client Sample ID: OC-SB-515-13/15-XXX | Lab Sample ID: 480-30106-9

Matrix: Solid | Lab File ID: X3192.D

Analysis Method: 8270D | Date Collected: 12/12/2012 10:45

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

Sample wt/vol: 000030.9(g) | Date Analyzed: 12/20/2012 11:01

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

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

% Moisture: 16.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 96803 | Units: ug/Kg

Number TICs Found: 10 | TIC Result Total: 5229

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	3.91	52	T J
	Unknown	4.25	4800	T J
	Unknown	4.27	71	T J
106-42-3	p-Xylene	4.68	64	T J N
	Unknown	7.48	39	T J
629-99-2	Pentacosane	15.58	37	T J N
630-1-3	Hexacosane	15.86	38	T J N
544-85-4	Dotriacontane	16.12	40	T J N
630-2-4	Octacosane	16.39	50	T J N
	Unknown	16.67	38	T J

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3192.D		
Lims ID:	480-30106-A-9-B	Client ID:	OC-SB-515-13/15-XXX
Inject. Date:	20-Dec-2012 11:01:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-0017736-003		
Misc. Info.:			
Operator:	ANM	Instrument ID:	HP5973X
Injection Vol:	1.0 ul	ALS Bottle#:	4
Lims Batch ID:	96803	Lims Sample ID:	3
Detector:	MS SCAN		

Method:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X-8270LL.m		
Last Update:	09-Mar-2013 09:38:31	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 11:28:18

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	84	192775	5.00	
* 2 Naphthalene-d8	136	8.458	8.439	0.019	97	734961	5.00	
* 3 Acenaphthene-d10	164	11.083	11.064	0.019	86	446282	5.00	
* 4 Phenanthrene-d10	188	13.099	13.080	0.019	97	699165	5.00	
* 5 Chrysene-d12	240	15.743	15.734	0.009	96	444193	5.00	
* 6 Perylene-d12	264	17.023	17.013	0.010	95	405607	5.00	M
$ 7 2-Fluorophenol	112	4.711	4.682	0.029	0	77334	1.77	M
$ 8 Phenol-d5	99	6.113	6.090	0.023	89	88424	1.66	M
$ 9 Nitrobenzene-d5	82	7.412	7.393	0.019	0	74501	1.35	M
$ 10 2-Fluorobiphenyl	172	10.103	10.075	0.028	85	180838	1.61	
$ 11 2,4,6-Tribromophenol	330	12.300	12.229	0.071	0	22368	1.74	M
$ 12 p-Terphenyl-d14	244	14.769	14.759	0.010	96	199583	2.33	
19 N-Nitrosodimethylamine	42		2.766					1
21 Benzaldehyde	77	5.933	5.938	-0.005	1	353	0.009342	
23 Aniline	93		6.104					149
22 Phenol	94		6.109					9
24 Bis(2-chloroethyl)ether	93		6.204					19
25 2-Chlorophenol	128		6.270					
26 1,3-Dichlorobenzene	146		6.484					
27 1,4-Dichlorobenzene	146		6.594					
29 1,2-Dichlorobenzene	146		6.813					9
28 Benzyl alcohol	108		6.813					149
31 2-Methylphenol	108		6.993					9
32 2,2'-oxybis[1-chloropropane]	45		6.998					9
33 Acetophenone	105		7.174					19
35 DFTPP								
34 N-Nitrosodi-n-propylamine	70		7.183					14
36 4-Methylphenol	108		7.231					
37 Hexachloroethane	117		7.298					
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					149
43 2,4-Dimethylphenol	107		8.001					9
45 Bis(2-chloroethoxy)methane	93		8.125					1
44 Benzoic acid	105		8.177					
47 2,4-Dichlorophenol	162		8.277					
48 1,2,4-Trichlorobenzene	180		8.363					
49 Naphthalene	128		8.472					
51 4-Chloroaniline	127		8.596					
52 Hexachlorobutadiene	225		8.662					9
54 Caprolactam	113		9.129					149
55 4-Chloro-3-methylphenol	107		9.385					19
56 2-Methylnaphthalene	142		9.509					
57 1-Methylnaphthalene	142		9.656					19
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					19
63 2-Chloronaphthalene	162		10.265					
64 Phenyl ether	170		10.384					14
65 2-Nitroaniline	65		10.436					1
67 Dimethyl phthalate	163		10.722					
68 2,6-Dinitrotoluene	165		10.807					
69 Acenaphthylene	152		10.850					9
70 3-Nitroaniline	138		11.069					M
71 Acenaphthene	153		11.112					
72 2,4-Dinitrophenol	184		11.240					
73 Dibenzofuran	168		11.378					
74 2,4-Dinitrotoluene	165		11.416					19
75 4-Nitrophenol	109		11.454					
76 2,3,4,6-Tetrachlorophenol	232		11.597					
78 Diethyl phthalate	149		11.777					
79 Fluorene	166		11.882					9
80 4-Chlorophenyl phenyl ether	204		11.901					
81 4-Nitroaniline	138		11.982					
82 4,6-Dinitro-2-methylphenol	198		12.010					
83 N-Nitrosodiphenylamine	169		12.077					19
85 Azobenzene	77		12.120					14
16 1,2-Diphenylhydrazine	77		12.120					14
86 Benzophenone	105		12.144					1
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					9
98 Anthracene	178		13.171					
99 Carbazole	167		13.380					19
102 Di-n-butyl phthalate	149		13.765					9
104 Fluoranthene	202		14.388					9
106 Pyrene	202		14.607					9
108 Butyl benzyl phthalate	149		15.211					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
109 3,3'-Dichlorobenzidine	252		15.705					
110 Bis(2-ethylhexyl) phthalate	149	15.710	15.710	0.0	79	23306	0.2572	
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					9
117 Indeno[1,2,3-cd]pyrene	276		18.107					9
118 Dibenz(a,h)anthracene	278		18.107					9
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\X3192.D		
Lims ID:	480-30106-A-9-B	Client ID:	OC-SB-515-13/15-XXX
Inject. Date:	20-Dec-2012 11:01:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-0017736-003		
Misc. Info.:			
Operator:	ANM	Instrument ID:	HP5973X
Injection Vol:	1.0 ul	ALS Bottle#:	4
Lims Batch ID:	96803	Lims Sample ID:	3
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X-8270LL.m		
Last Update:	09-Mar-2013 09:38:31	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 11:28:18

Tentative Identified Compound Results

RT	Response	Amount ng/uL	Quant Cpnd	Qual	Lib Entry	Flags
		Unknown				
3.907	361175	1.34	1			
		Unknown				
4.249	33218216	123.5	1			
		Unknown				
4.268	488492	1.82	1			
106-42-3		p-Xylene				
4.682	439695	1.63	1	91	117404	
		Unknown				
7.478	269657	1.00	1			
629-99-2		Pentacosane				
15.582	265577	0.9552	5	93	17109	
630-1-3		Hexacosane				
15.858	272700	0.9809	5	96	112412	
544-85-4		Dotriacontane				
16.124	283118	1.02	5	89	109642	
630-2-4		Octacosane				
16.390	306706	1.29	6	93	112312	
		Unknown				
16.666	234381	0.9876	6			

Quantitation Compounds

Compound	RT	Response	Amount ng/uL

Report Date: 09-Mar-2013 09:38:32 Chrom Revision: 2.0 01-Feb-2013 10:03:10
Data File: \\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3192.D

Compound	RT	Response	Amount ng/uL
* 1 1,4-Dichlorobenzene-d4	6.556	1345222	5.00
* 5 Chrysene-d12	15.743	1390101	5.00
* 6 Perylene-d12	17.027	1186617	5.00

QC Flag Legend

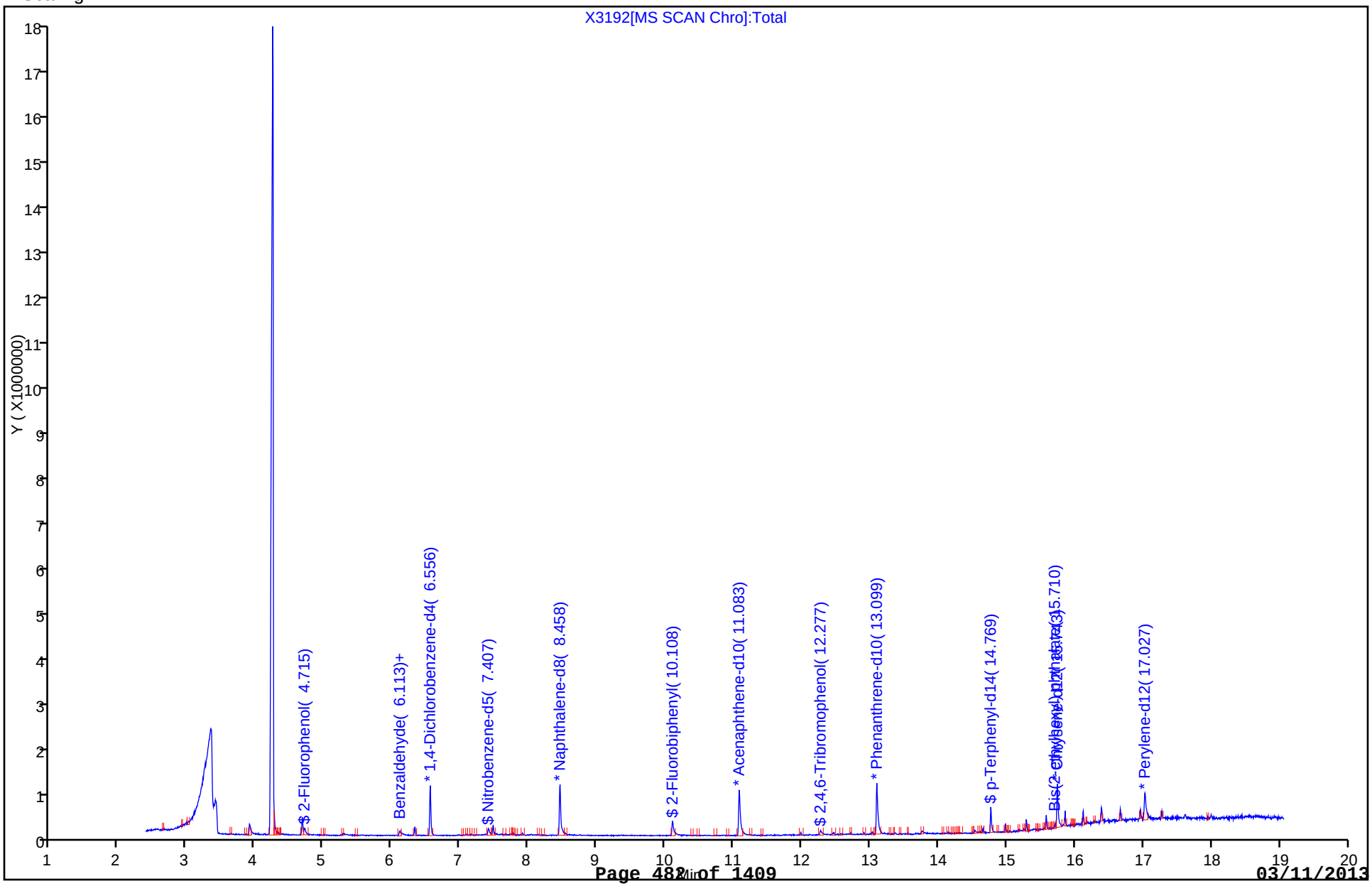
Processing Flags

Report Date: 09-Mar-2013 09:38:32 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3192.D		
Injection Date:	20-Dec-2012 11:01:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-515-13/15-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	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 09:38:32 Chrom Revision: 2.0 01-Feb-2013 10:03:10

Manual Integration/User Assign Peak Report

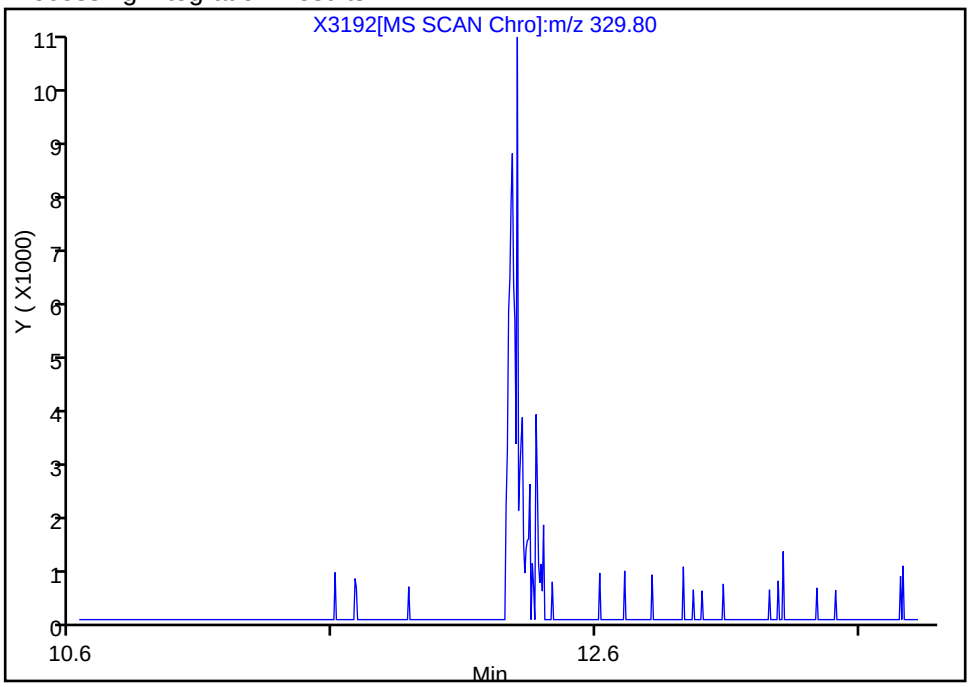
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3192.D		
Injection Date:	20-Dec-2012 11:01:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-515-13/15-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	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: 12.23

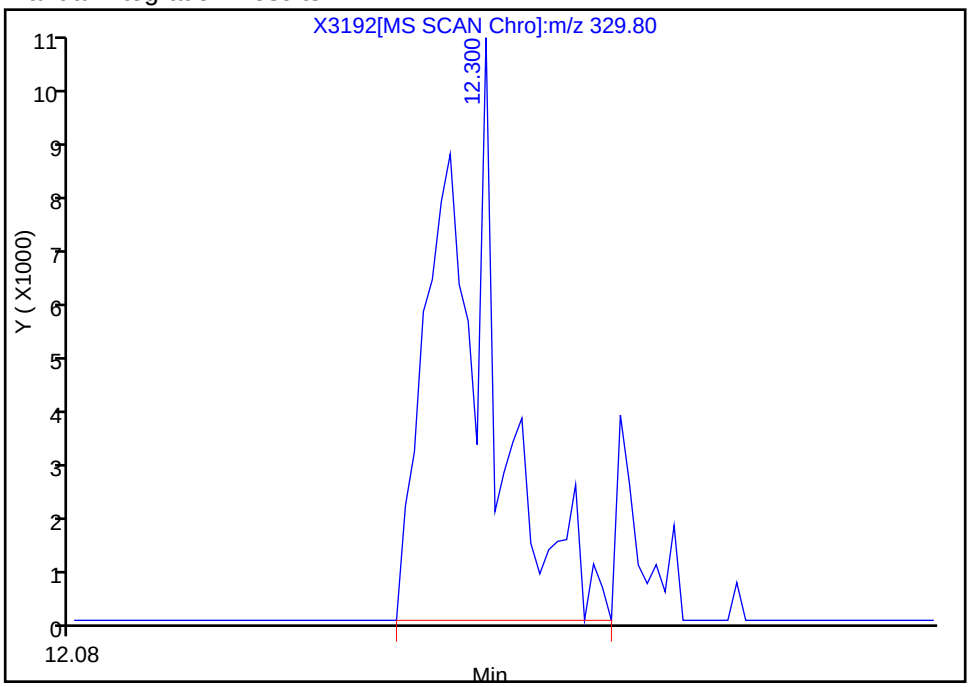
Processing Integration Results

Not Detected
Expected RT: 12.23



Manual Integration Results

RT: 12.30
Response: 22368
Amount: 1.739092



Reviewer: mckernar, 20-Dec-2012 11:28:18
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

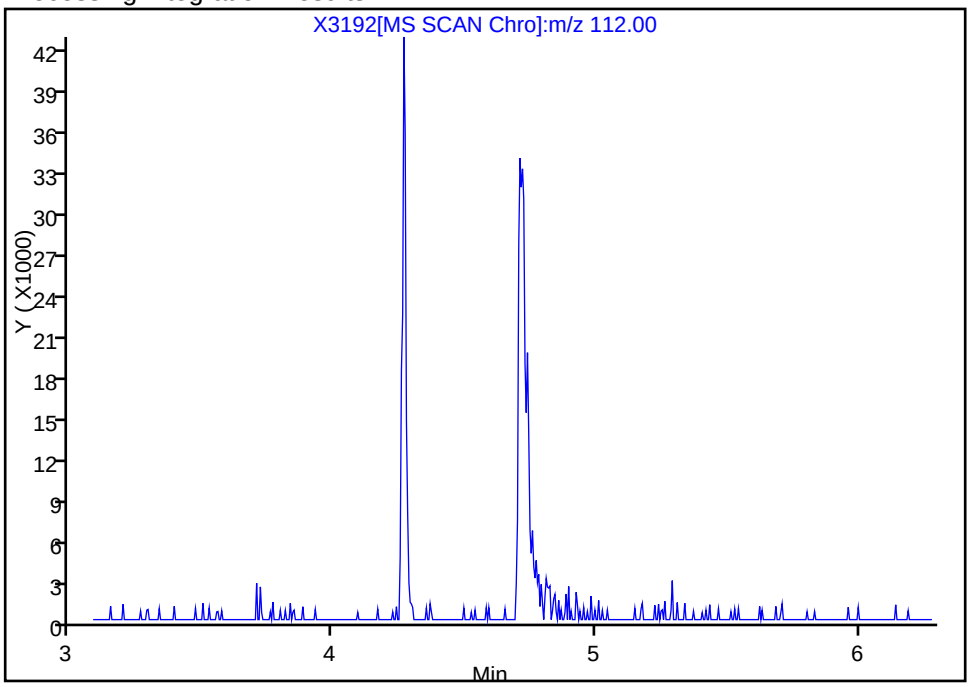
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3192.D		
Injection Date:	20-Dec-2012 11:01:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-515-13/15-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	3
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

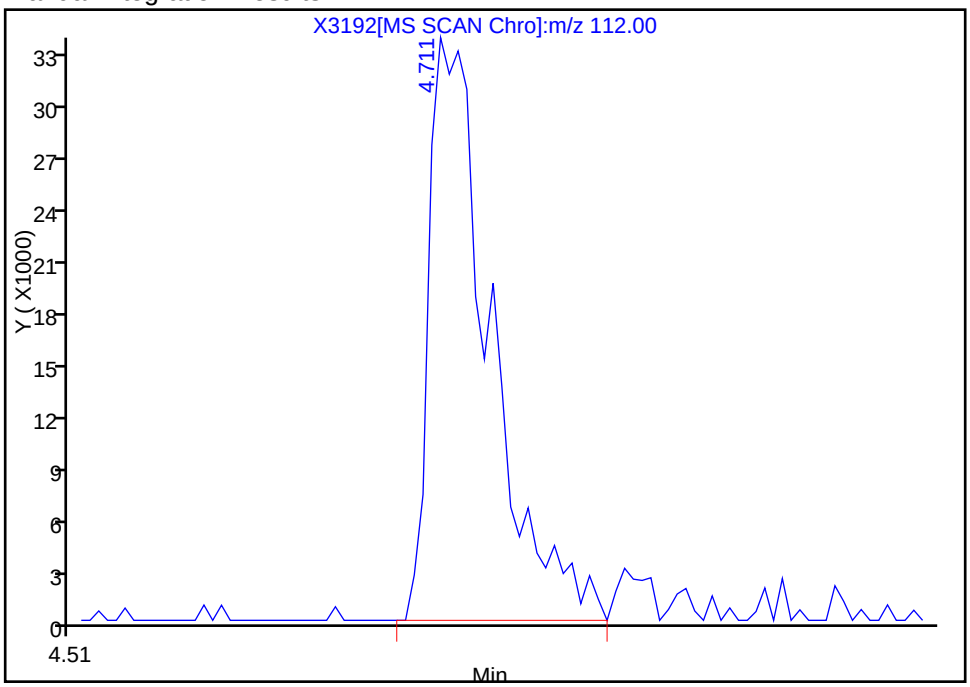
Processing Integration Results

Not Detected
Expected RT: 4.68



Manual Integration Results

RT: 4.71
Response: 77334
Amount: 1.767767



Reviewer: mckernar, 20-Dec-2012 11:28:18
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 09-Mar-2013 09:38:32 Chrom Revision: 2.0 01-Feb-2013 10:03:10

Manual Integration/User Assign Peak Report

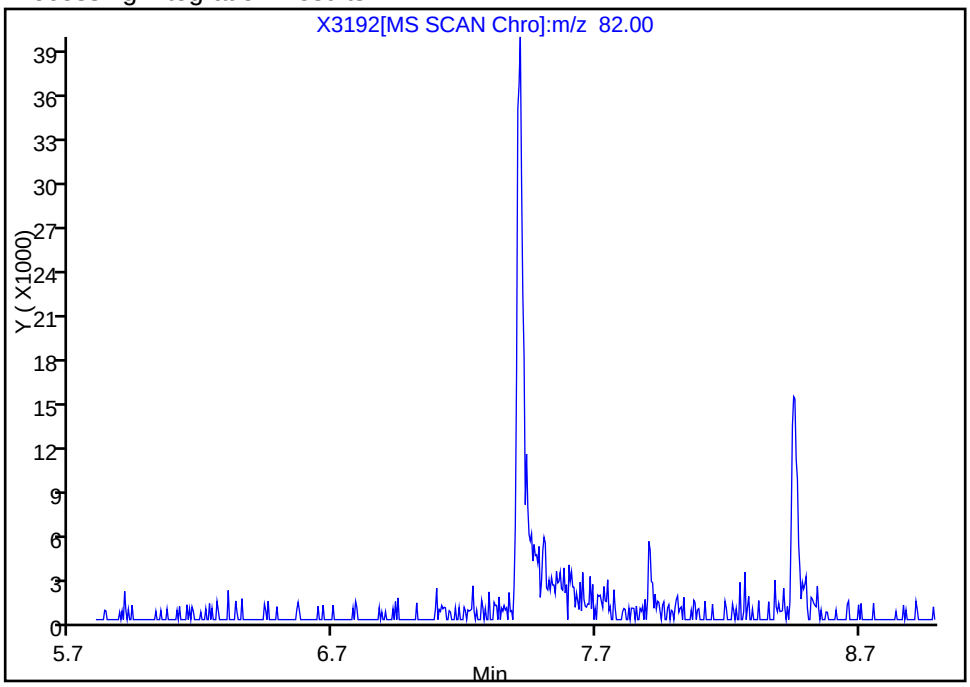
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3192.D		
Injection Date:	20-Dec-2012 11:01:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-515-13/15-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	3
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

$ 9 Nitrobenzene-d5, Signal: 1, m/z: 82.0 Type: quant, RT: 7.39

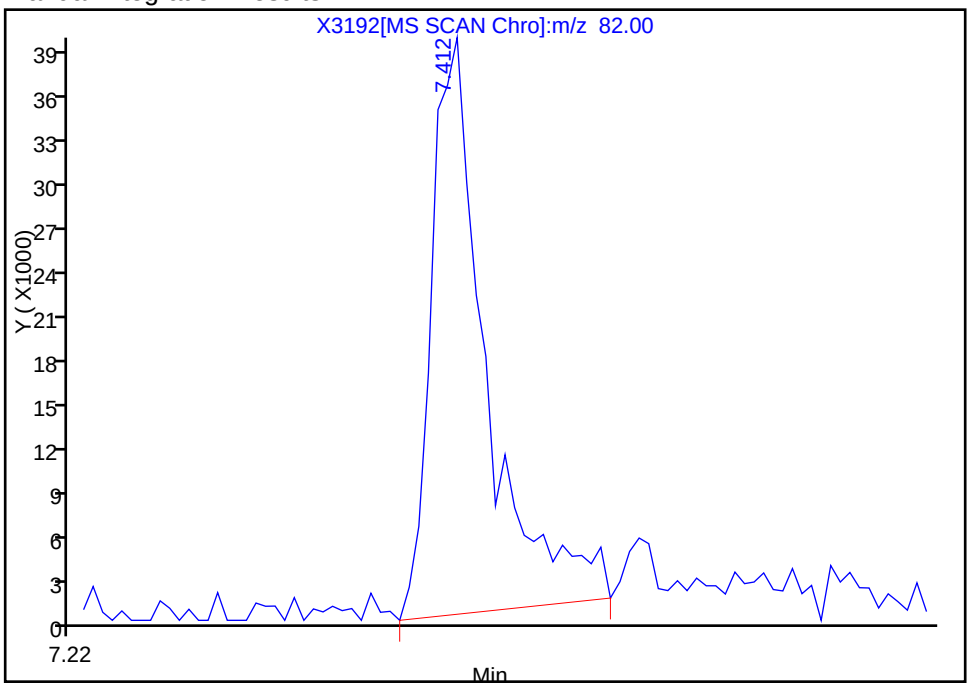
Processing Integration Results

Not Detected
Expected RT: 7.39



Manual Integration Results

RT: 7.41
Response: 74501
Amount: 1.352008



Reviewer: mckernar, 20-Dec-2012 11:28:18
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

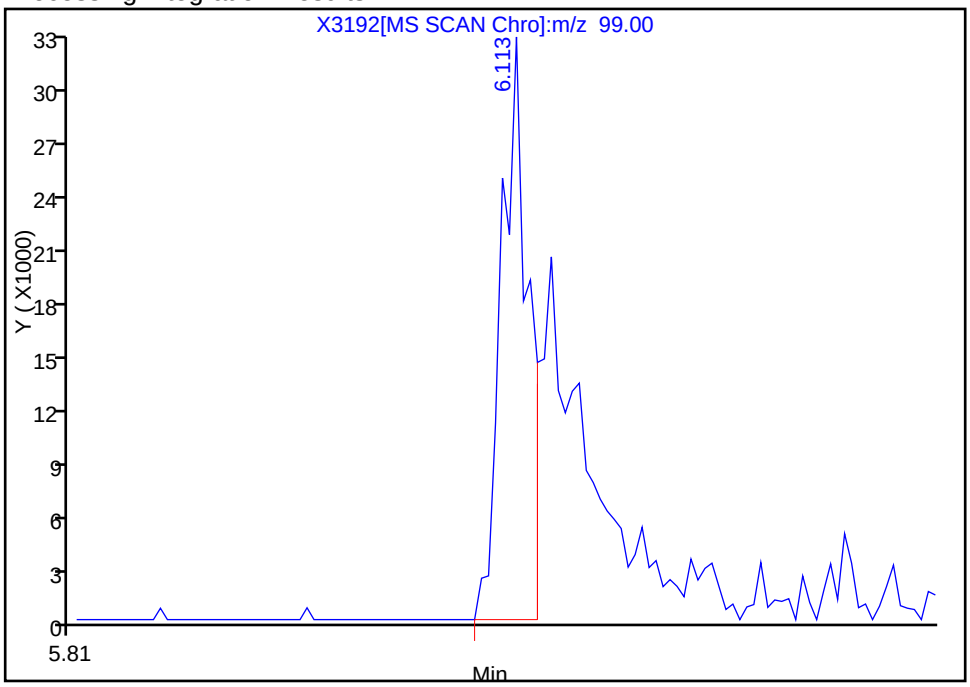
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3192.D		
Injection Date:	20-Dec-2012 11:01:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-515-13/15-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	3
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

$ 8 Phenol-d5, Signal: 1, m/z: 99.0 Type: quant, RT: 6.09

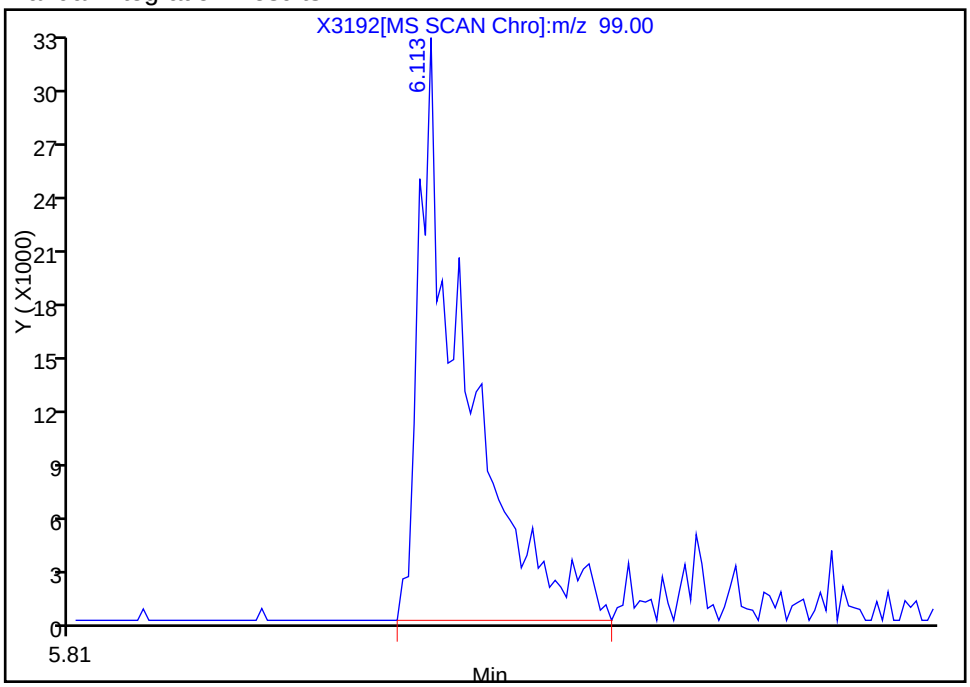
Processing Integration Results

RT: 6.11
Response: 41497
Amount: 0.699631



Manual Integration Results

RT: 6.11
Response: 88424
Amount: 1.660753



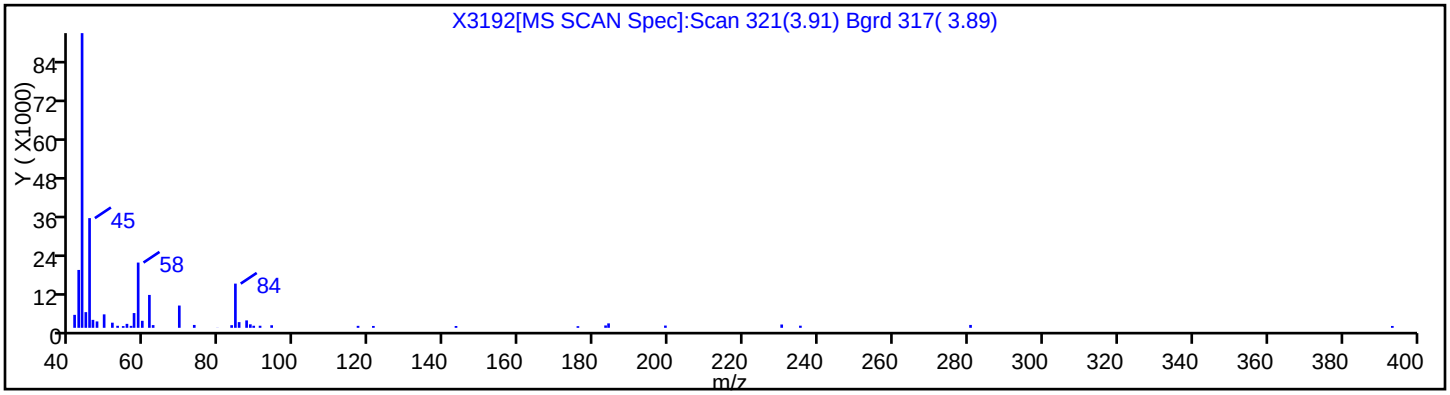
Reviewer: mckernar, 20-Dec-2012 11:28:18
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 09-Mar-2013 09:38:32 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3192.D		
Injection Date:	20-Dec-2012 11:01:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-515-13/15-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	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

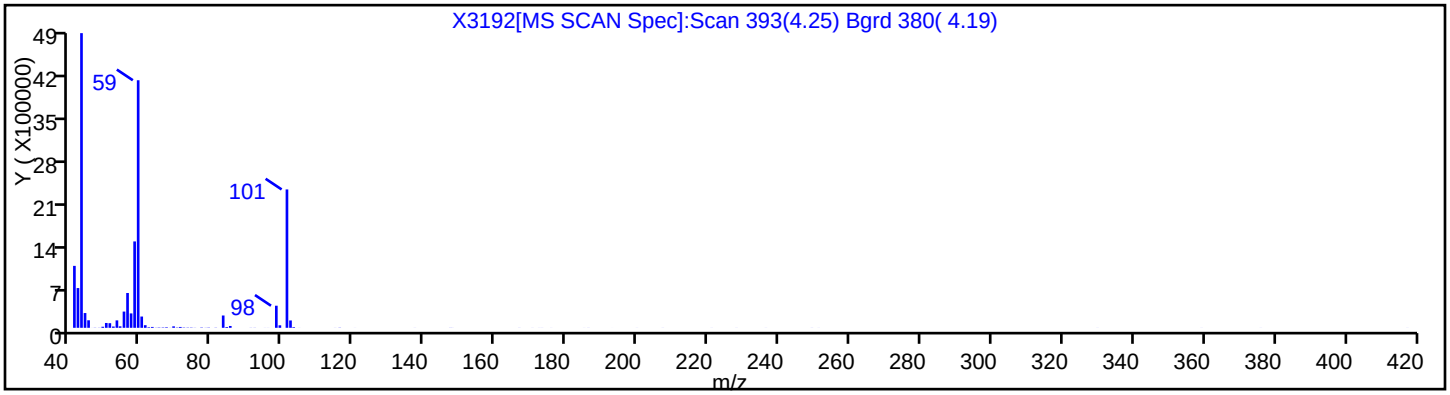


Report Date: 09-Mar-2013 09:38:32 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3192.D		
Injection Date:	20-Dec-2012 11:01:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-515-13/15-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	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

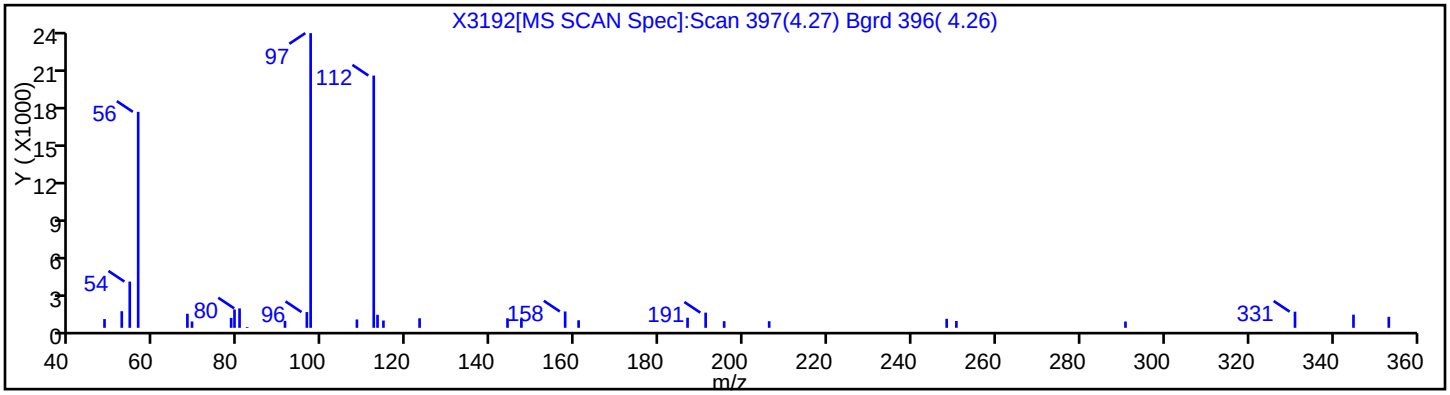


Report Date: 09-Mar-2013 09:38:32 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3192.D		
Injection Date:	20-Dec-2012 11:01:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-515-13/15-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	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

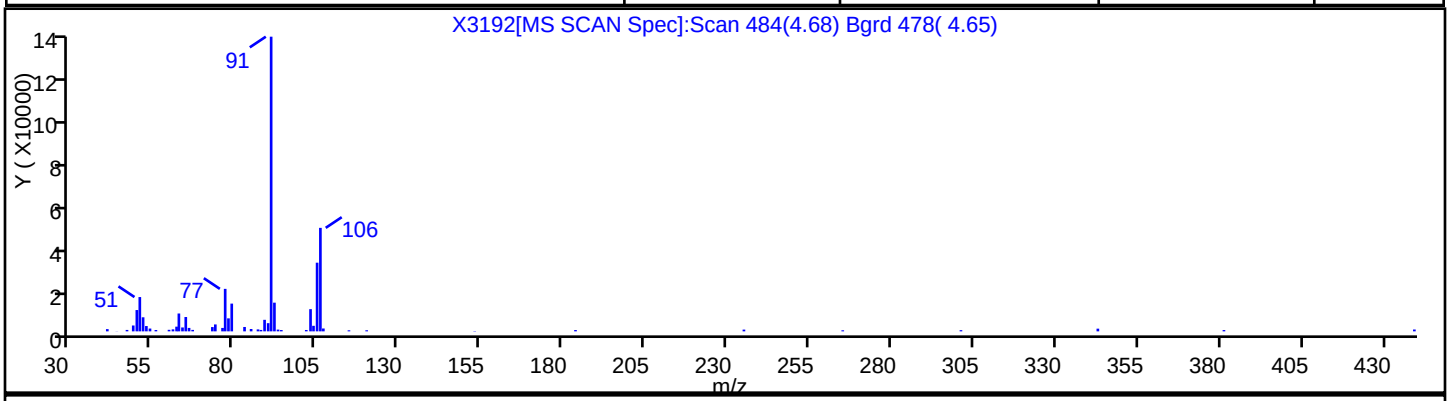


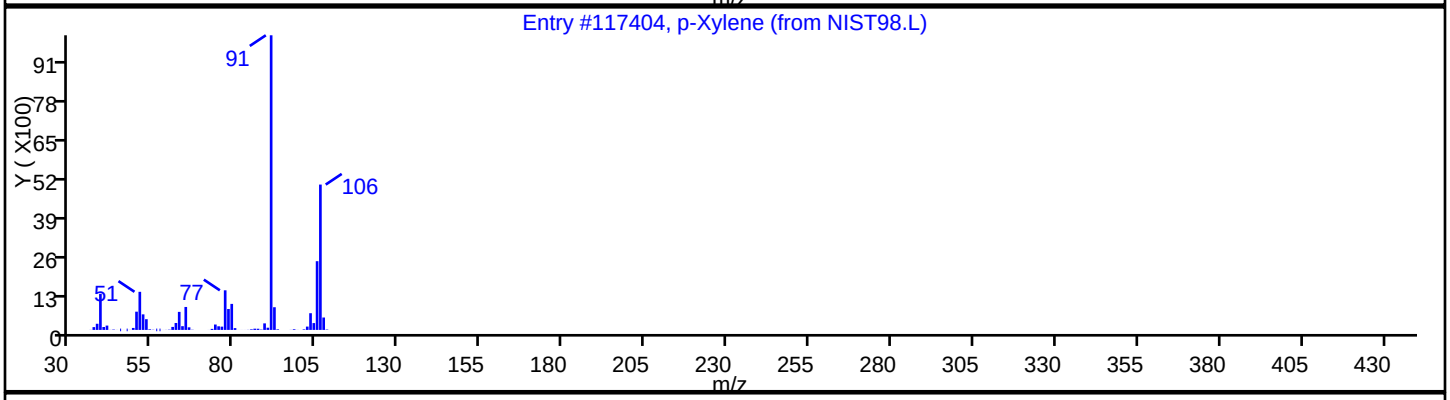
Report Date: 09-Mar-2013 09:38:32 Chrom Revision: 2.0 01-Feb-2013 10:03:10

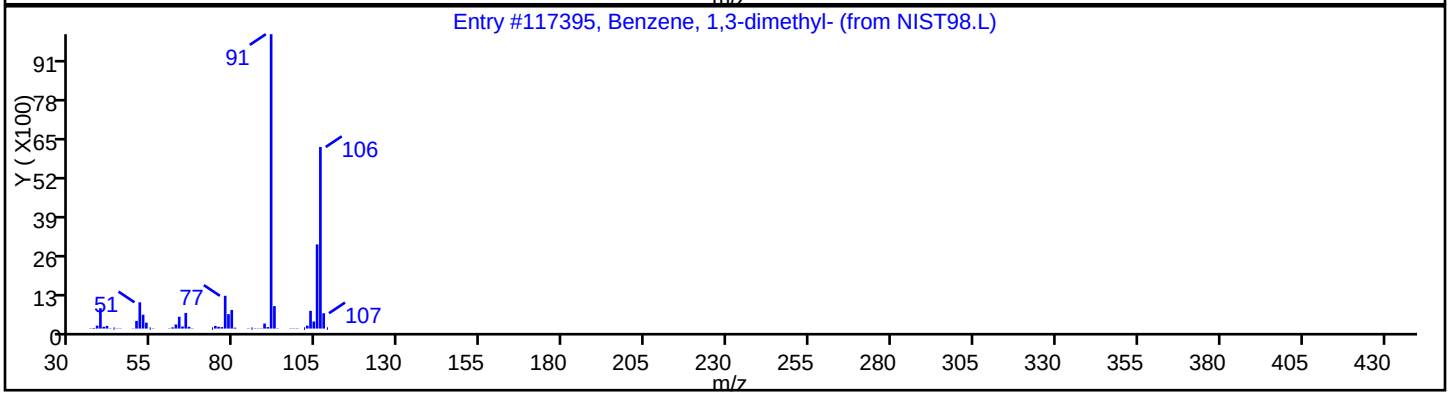
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3192.D		
Injection Date:	20-Dec-2012 11:01:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-515-13/15-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	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
p-Xylene	106-42-3	NIST98.L	117404	91
Benzene, 1,3-dimethyl-	108-38-3	NIST98.L	117395	91





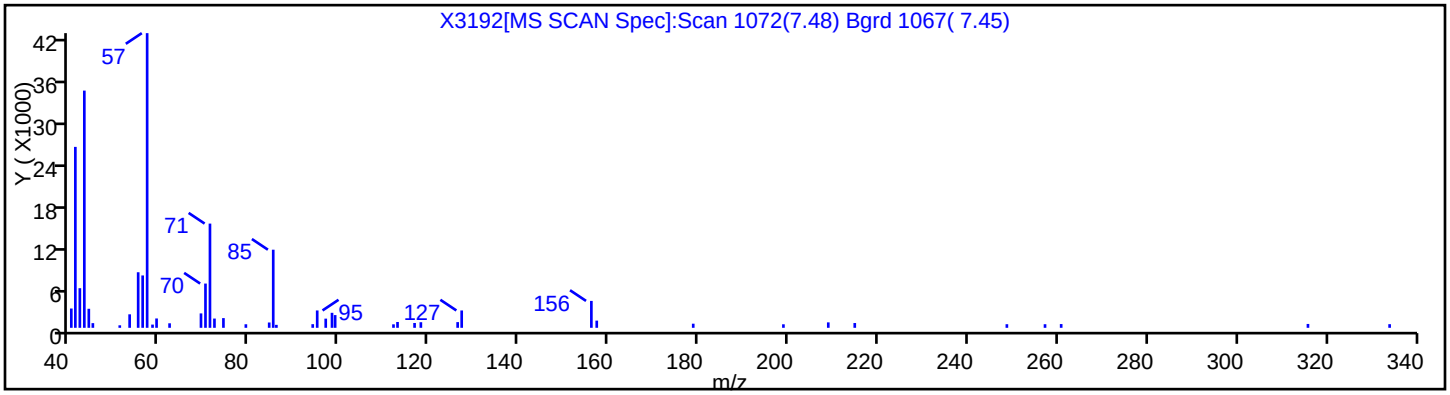


Report Date: 09-Mar-2013 09:38:32 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3192.D		
Injection Date:	20-Dec-2012 11:01:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-515-13/15-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	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

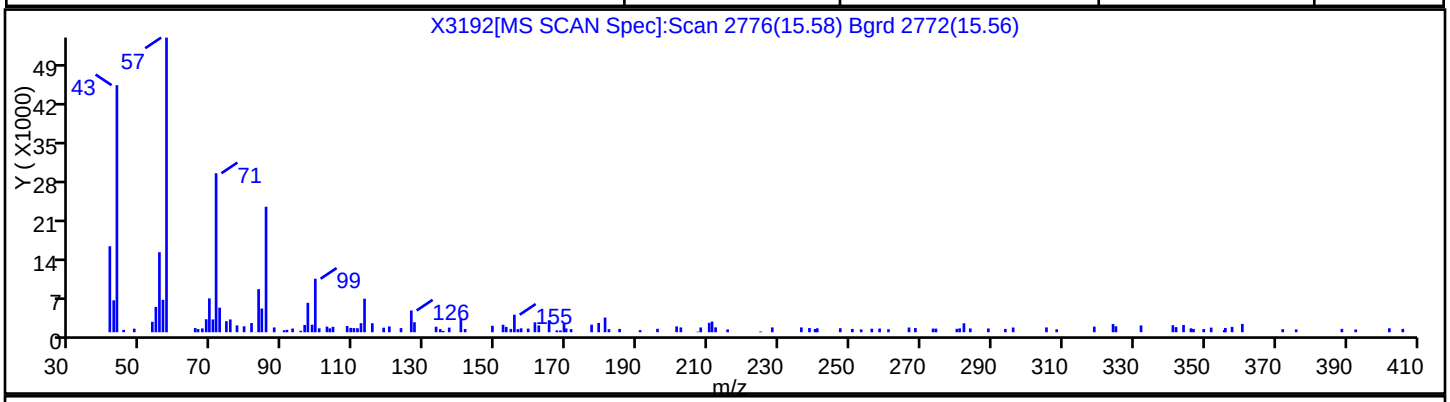


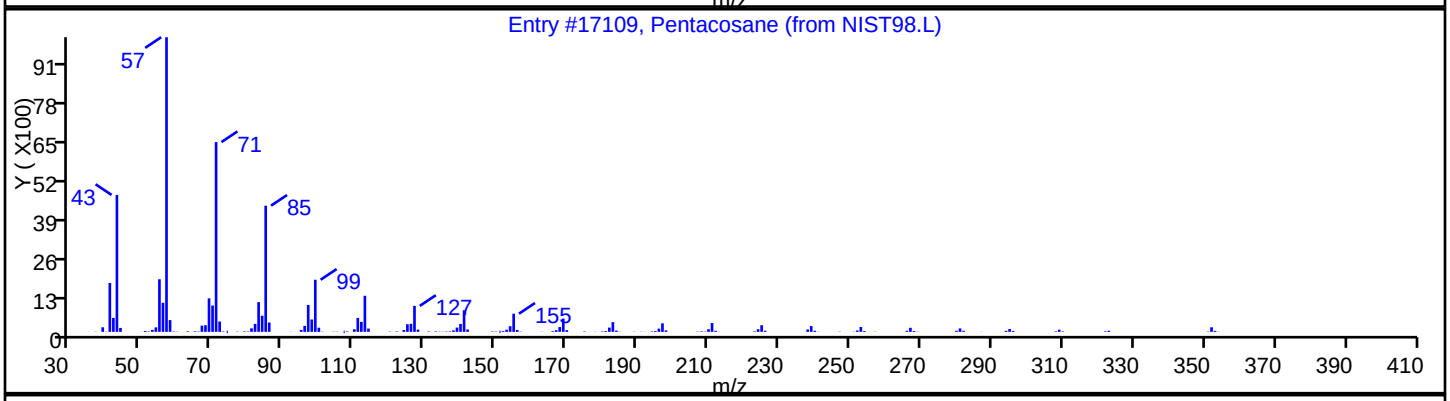
Report Date: 09-Mar-2013 09:38:32 Chrom Revision: 2.0 01-Feb-2013 10:03:10

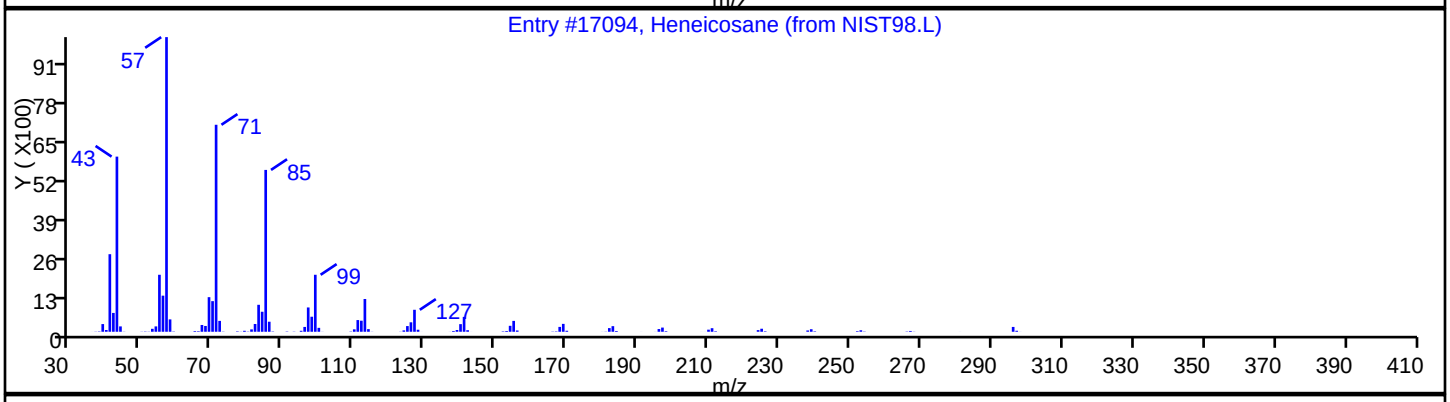
TestAmerica Buffalo

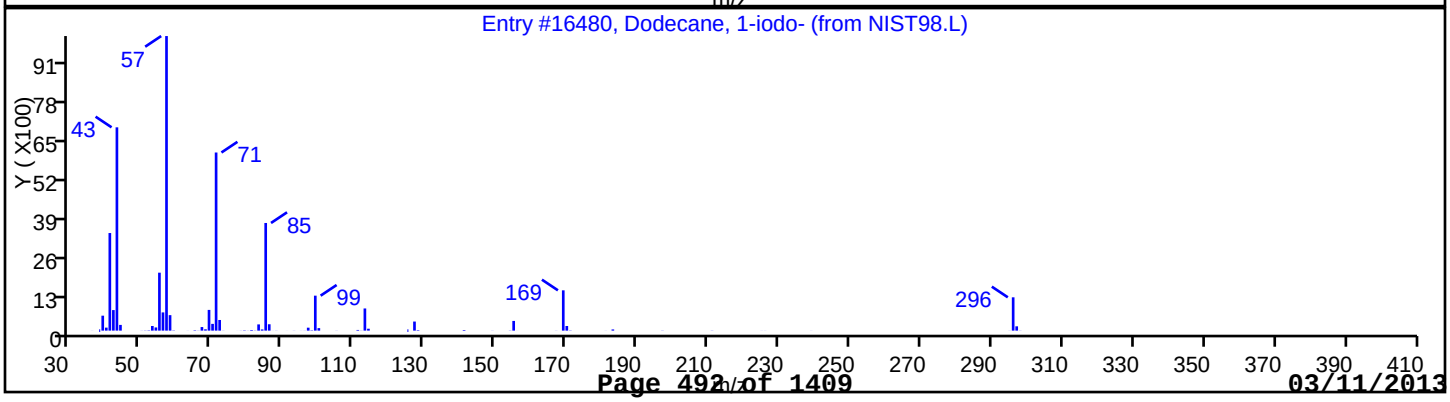
Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3192.D		
Injection Date:	20-Dec-2012 11:01:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-515-13/15-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	3
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Pentacosane	629-99-2	NIST98.L	17109	93
Heneicosane	629-94-7	NIST98.L	17094	90
Dodecane, 1-iodo-	4292-19-7	NIST98.L	16480	87







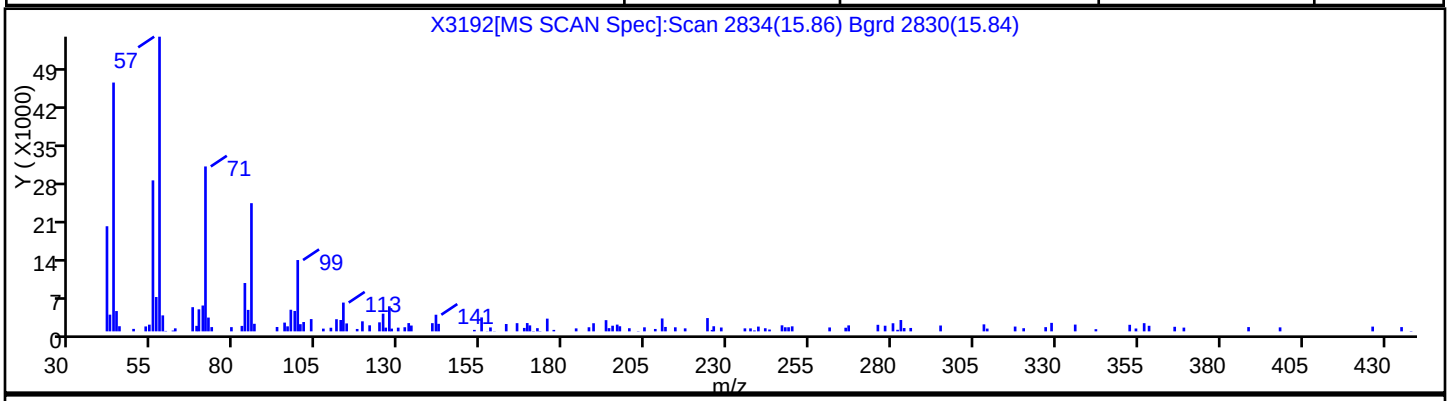


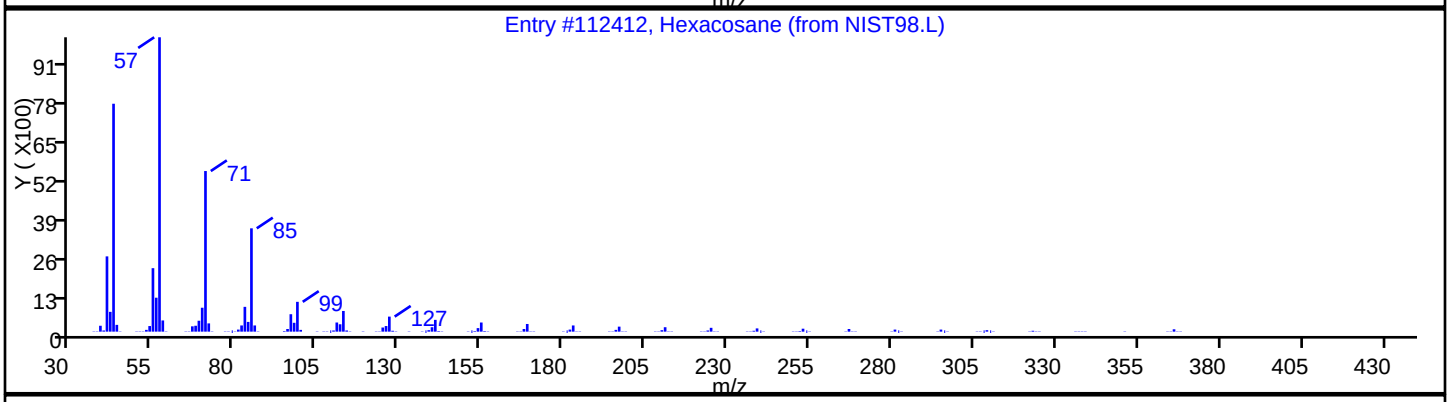
Report Date: 09-Mar-2013 09:38:32 Chrom Revision: 2.0 01-Feb-2013 10:03:10

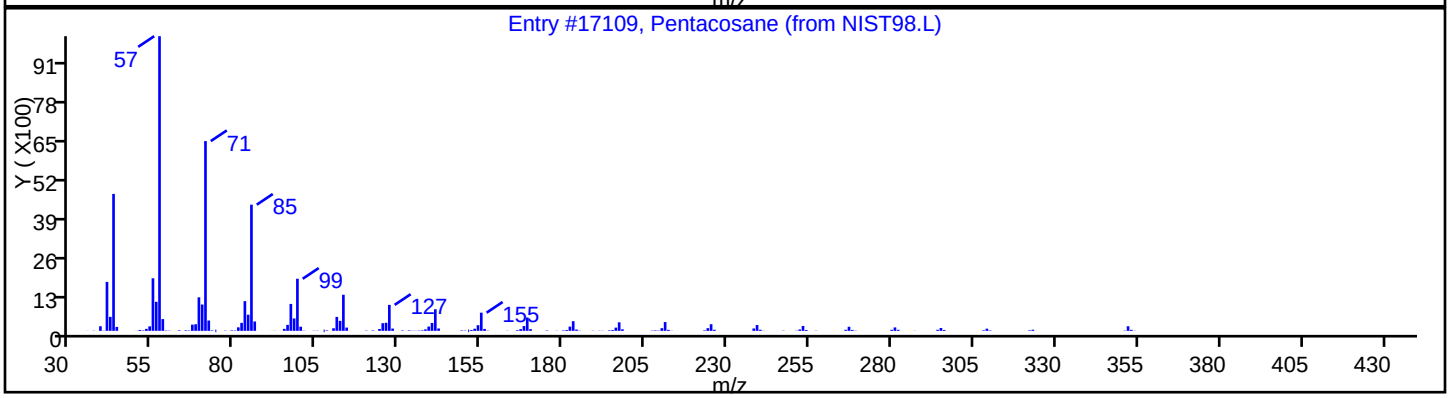
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3192.D		
Injection Date:	20-Dec-2012 11:01:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-515-13/15-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	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
Hexacosane	630-1-3	NIST98.L	112412	96
Pentacosane	629-99-2	NIST98.L	17109	91





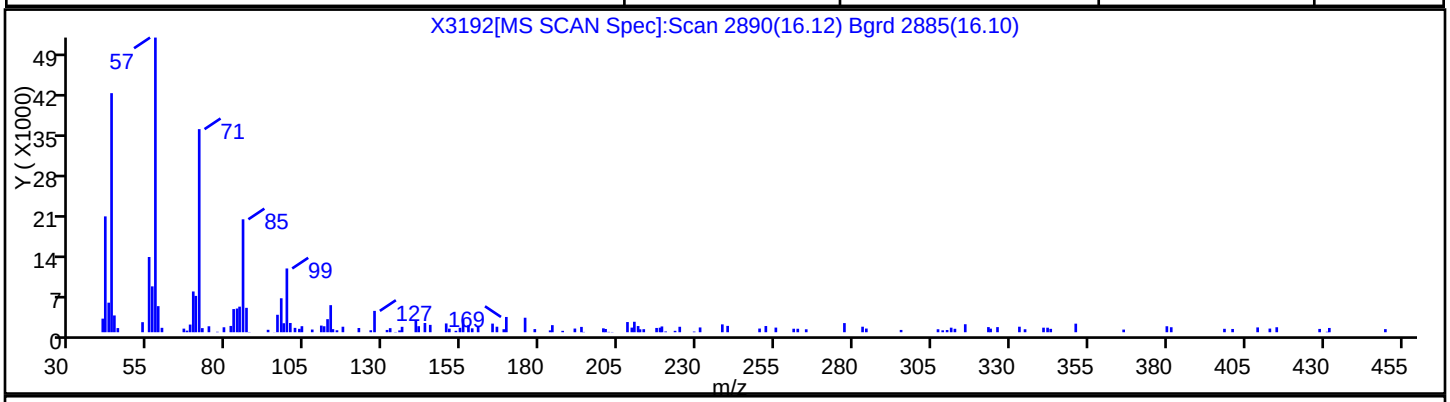


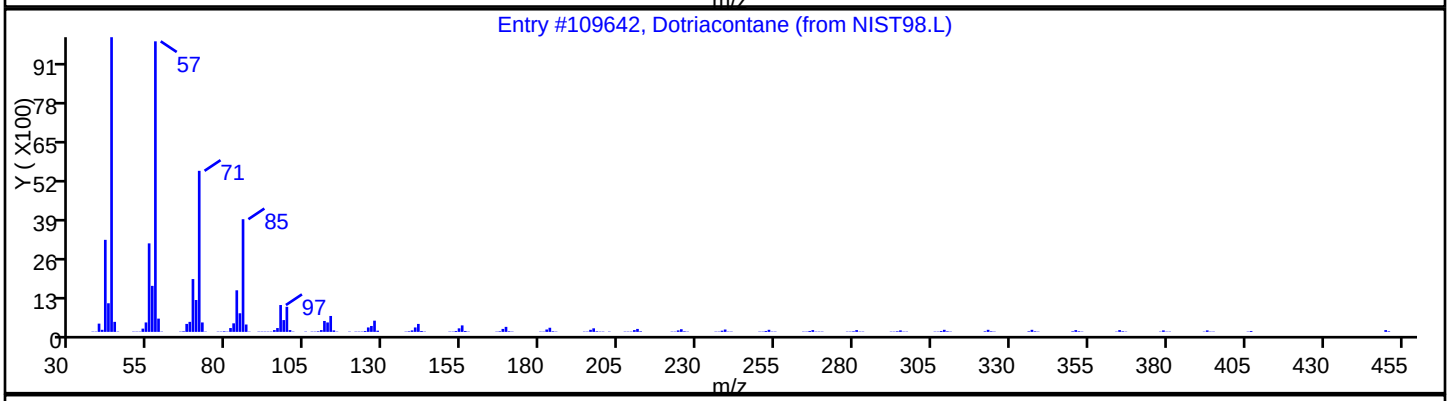
Report Date: 09-Mar-2013 09:38:32 Chrom Revision: 2.0 01-Feb-2013 10:03:10

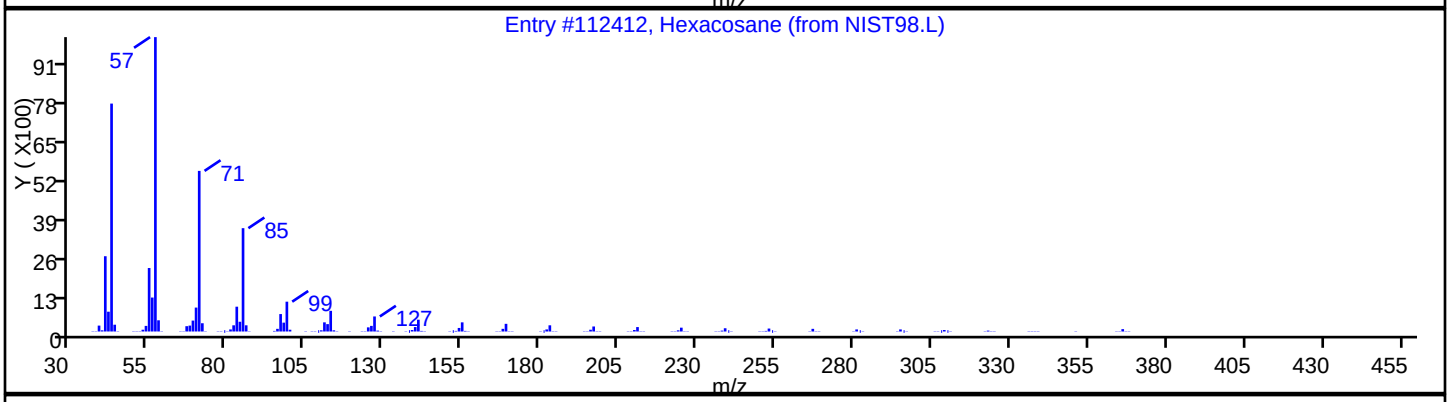
TestAmerica Buffalo

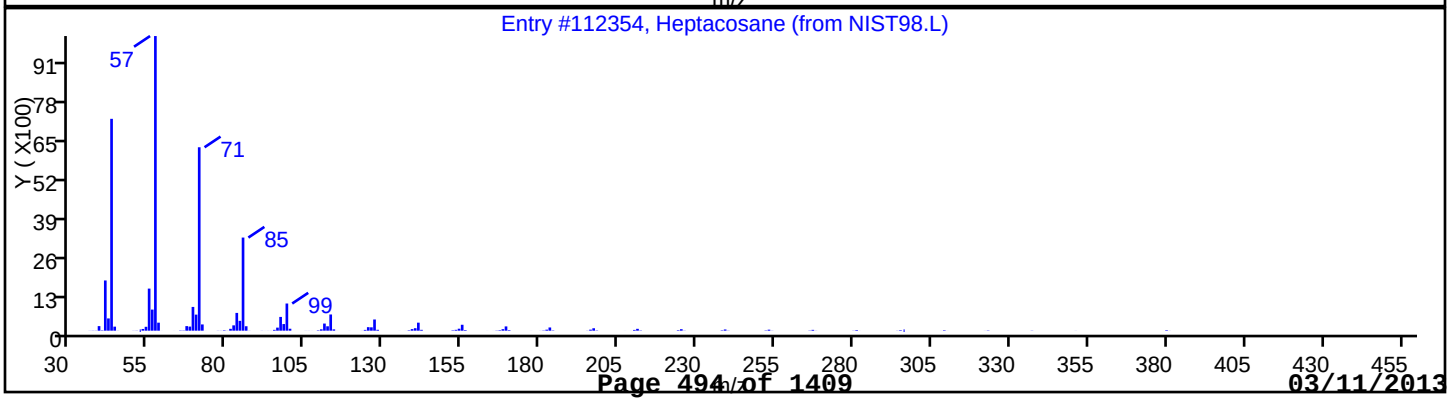
Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3192.D		
Injection Date:	20-Dec-2012 11:01:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-515-13/15-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	3
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Dotriacontane	544-85-4	NIST98.L	109642	89
Hexacosane	630-1-3	NIST98.L	112412	89
Heptacosane	593-49-7	NIST98.L	112354	89







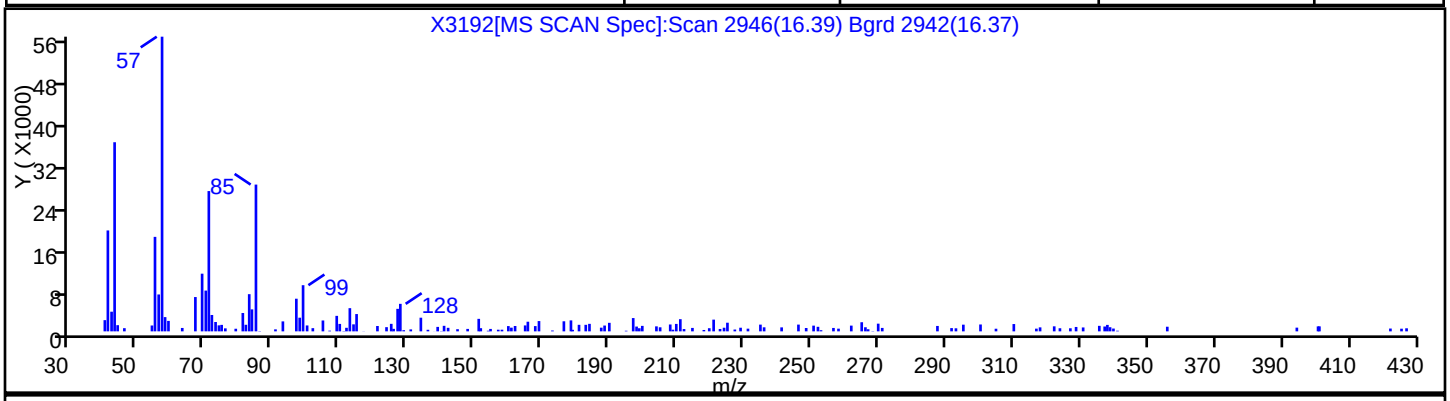


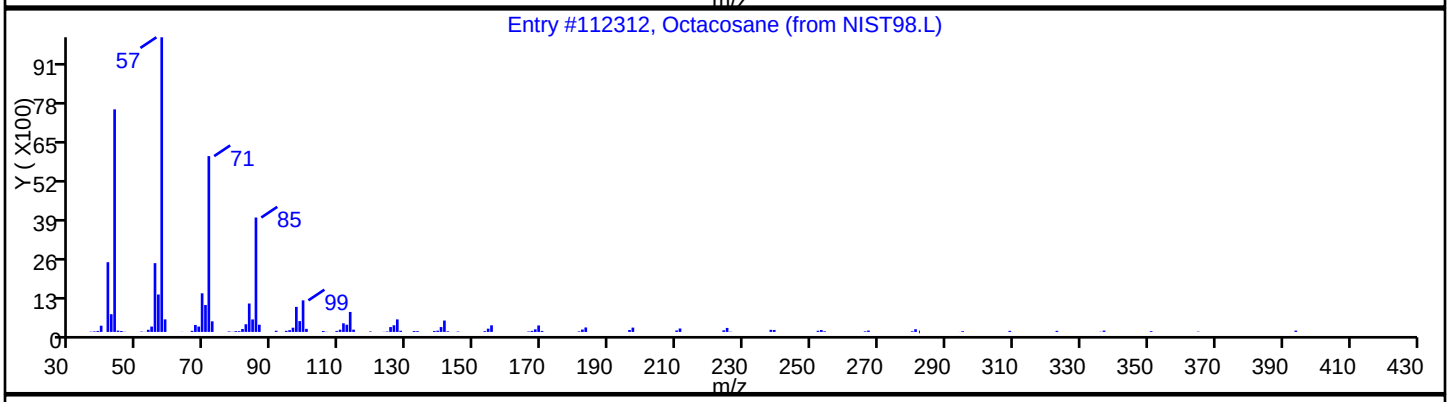
Report Date: 09-Mar-2013 09:38:32 Chrom Revision: 2.0 01-Feb-2013 10:03:10

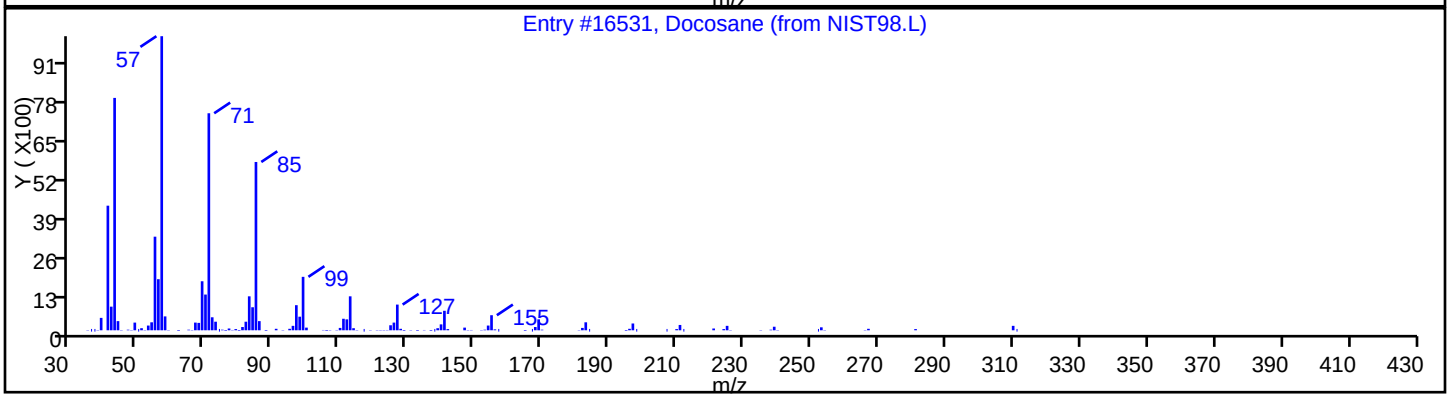
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3192.D		
Injection Date:	20-Dec-2012 11:01:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-515-13/15-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	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
Octacosane	630-2-4	NIST98.L	112312	93
Docosane	629-97-0	NIST98.L	16531	89





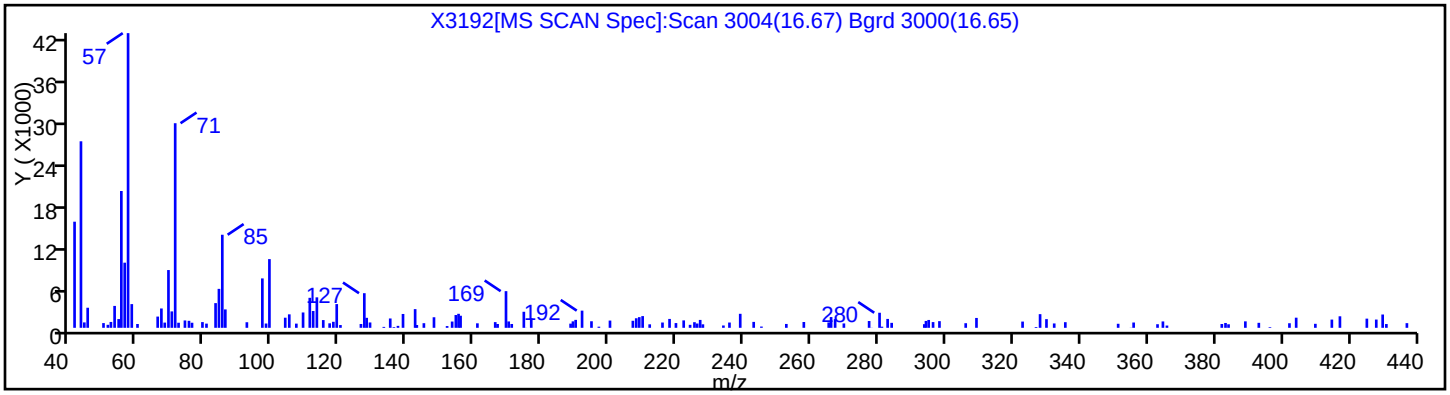


Report Date: 09-Mar-2013 09:38:32 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3192.D		
Injection Date:	20-Dec-2012 11:01:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-515-13/15-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	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.: 480-30106-1

SDG No.:

Client Sample ID: OC-SB-516-6.0/8.0-XXX | Lab Sample ID: 480-30106-11

Matrix: Solid | Lab File ID: X3178.D

Analysis Method: 8270D | Date Collected: 12/12/2012 11:25

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

Sample wt/vol: 000030.3(g) | Date Analyzed: 12/19/2012 21:03

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

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

% Moisture: 16.7 | 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		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	15
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	59
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		79	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.: 480-30106-1

SDG No.:

Client Sample ID: OC-SB-516-6.0/8.0-XXX | Lab Sample ID: 480-30106-11

Matrix: Solid | Lab File ID: X3178.D

Analysis Method: 8270D | Date Collected: 12/12/2012 11:25

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

Sample wt/vol: 000030.3(g) | Date Analyzed: 12/19/2012 21:03

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

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

% Moisture: 16.7 | 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		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	*	79	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		79	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.: 480-30106-1

SDG No.:

Client Sample ID: OC-SB-516-6.0/8.0-XXX | Lab Sample ID: 480-30106-11

Matrix: Solid | Lab File ID: X3178.D

Analysis Method: 8270D | Date Collected: 12/12/2012 11:25

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

Sample wt/vol: 000030.3(g) | Date Analyzed: 12/19/2012 21:03

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

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

% Moisture: 16.7 | 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		40	12
100-52-7	Benzaldehyde	ND		40	12
103-33-3	Azobenzene	ND		40	12
77-47-4	Hexachlorocyclopentadiene	ND		79	12
99-09-2	3-Nitroaniline	ND		200	12
62-75-9	N-Nitrosodimethylamine	ND		40	12
100-51-6	Benzyl alcohol	ND		79	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	73		30-130
367-12-4	2-Fluorophenol	71		30-130
4165-60-0	Nitrobenzene-d5	66		30-130
4165-62-2	Phenol-d5	55		30-130
321-60-8	2-Fluorobiphenyl	81		30-130
1718-51-0	p-Terphenyl-d14	96		30-130

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

Lab Name: TestAmerica Buffalo | Job No.: 480-30106-1

SDG No.:

Client Sample ID: OC-SB-516-6.0/8.0-XXX | Lab Sample ID: 480-30106-11

Matrix: Solid | Lab File ID: X3178.D

Analysis Method: 8270D | Date Collected: 12/12/2012 11:25

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

Sample wt/vol: 000030.3(g) | Date Analyzed: 12/19/2012 21:03

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

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

% Moisture: 16.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 96568 | Units: ug/Kg

Number TICs Found: 6 | TIC Result Total: 4462

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	3.86	34	T J
	Unknown	4.21	4300	T J
	Unknown	4.23	28	T J
95-47-6	Benzene, 1,2-dimethyl-	4.66	48	T J N
	Unknown	6.35	27	T J
	Unknown	7.49	25	T J

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3178.D		
Lims ID:	480-30106-A-11-B	Client ID:	OC-SB-516-6.0/8.0-XXX
Inject. Date:	19-Dec-2012 21:03:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-0017692-025		
Misc. Info.:			
Operator:	ANM	Instrument ID:	HP5973X
Injection Vol:	1.0 ul	ALS Bottle#:	26
Lims Batch ID:	96568	Lims Sample ID:	25
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 09:44:19

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.570	6.546	0.024	83	227614	5.00	
* 2 Naphthalene-d8	136	8.472	8.482	-0.010	97	793155	5.00	
* 3 Acenaphthene-d10	164	11.107	11.107	0.0	93	501409	5.00	
* 4 Phenanthrene-d10	188	13.114	13.104	0.010	96	816063	5.00	
* 5 Chrysene-d12	240	15.758	15.753	0.005	96	536318	5.00	
* 6 Perylene-d12	264	17.042	17.037	0.005	96	538332	5.00	M
$ 7 2-Fluorophenol	112	4.696	4.620	0.076	0	73067	1.41	M
$ 8 Phenol-d5	99	6.147	6.056	0.091	76	69234	1.10	M
$ 9 Nitrobenzene-d5	82	7.435	7.407	0.028	0	78008	1.31	M
$ 10 2-Fluorobiphenyl	172	10.137	10.122	0.015	86	203357	1.62	M
$ 11 2,4,6-Tribromophenol	330	12.324	12.257	0.067	0	21794	1.45	M
$ 12 p-Terphenyl-d14	244	14.783	14.778	0.005	92	198122	1.92	
19 N-Nitrosodimethylamine	42		2.718					
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					
27 1,4-Dichlorobenzene	146		6.575					
29 1,2-Dichlorobenzene	146		6.798					
28 Benzyl alcohol	108		6.803					
31 2-Methylphenol	108		6.988					9
32 2,2'-oxybis[1-chloropropane]	45		6.998					
33 Acetophenone	105		7.179					
34 N-Nitrosodi-n-propylamine	70		7.193					149
35 DFTPP								
36 4-Methylphenol	108		7.245					9
37 Hexachloroethane	117		7.302					
38 Nitrobenzene	77		7.435					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
40 Isophorone	82		7.806					
41 2-Nitrophenol	139		7.925					19
43 2,4-Dimethylphenol	107		8.039					9
45 Bis(2-chloroethoxy)methane	93		8.163					
44 Benzoic acid	105		8.220					19
47 2,4-Dichlorophenol	162		8.315					
48 1,2,4-Trichlorobenzene	180		8.405					19
49 Naphthalene	128		8.515					9
51 4-Chloroaniline	127		8.643					19
52 Hexachlorobutadiene	225		8.715					9
54 Caprolactam	113		9.185					
55 4-Chloro-3-methylphenol	107		9.442					
56 2-Methylnaphthalene	142		9.566					
57 1-Methylnaphthalene	142		9.704					19
58 Hexachlorocyclopentadiene	237		9.794					
59 1,2,4,5-Tetrachlorobenzene	216		9.813					
60 2,4,6-Trichlorophenol	196		10.018					
61 2,4,5-Trichlorophenol	196		10.103					
62 1,1'-Biphenyl	154		10.265					
63 2-Chloronaphthalene	162		10.312					
64 Phenyl ether	170		10.427					
65 2-Nitroaniline	65		10.484					19
67 Dimethyl phthalate	163		10.764					9
68 2,6-Dinitrotoluene	165		10.850					19
69 Acenaphthylene	152		10.893					9
70 3-Nitroaniline	138		11.111					
71 Acenaphthene	153		11.154					
72 2,4-Dinitrophenol	184		11.283					
73 Dibenzofuran	168		11.416					
74 2,4-Dinitrotoluene	165		11.459					19
75 4-Nitrophenol	109		11.487					19
76 2,3,4,6-Tetrachlorophenol	232		11.635					
78 Diethyl phthalate	149		11.810					
79 Fluorene	166		11.915					
80 4-Chlorophenyl phenyl ether	204		11.934					19
81 4-Nitroaniline	138		12.015					
82 4,6-Dinitro-2-methylphenol	198		12.043					
83 N-Nitrosodiphenylamine	169		12.105					19
16 1,2-Diphenylhydrazine	77		12.148					19
85 Azobenzene	77		12.148					19
86 Benzophenone	105		12.172					19
89 4-Bromophenyl phenyl ether	248		12.571					
91 Hexachlorobenzene	284		12.633					9
93 Atrazine	200		12.823					
94 Pentachlorophenol	266		12.904					9
97 Phenanthrene	178		13.128					9
98 Anthracene	178		13.190					9
99 Carbazole	167		13.399					
102 Di-n-butyl phthalate	149		13.784					9
104 Fluoranthene	202		14.407					
106 Pyrene	202		14.631					
108 Butyl benzyl phthalate	149		15.230					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
109 3,3'-Dichlorobenzidine	252		15.724					19
110 Bis(2-ethylhexyl) phthalate	149	15.720	15.729	-0.009	24	5613	0.0513	
111 Benzo[a]anthracene	228		15.743					
112 Chrysene	228		15.777					9
113 Di-n-octyl phthalate	149		16.266					
114 Benzo[b]fluoranthene	252		16.680					9
115 Benzo[k]fluoranthene	252		16.704					9
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					
119 Benzo[g,h,i]perylene	276		18.444					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\20121219-17692.b\X3178.D		
Lims ID:	480-30106-A-11-B	Client ID:	OC-SB-516-6.0/8.0-XXX
Inject. Date:	19-Dec-2012 21:03:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-0017692-025		
Misc. Info.:			
Operator:	ANM	Instrument ID:	HP5973X
Injection Vol:	1.0 ul	ALS Bottle#:	26
Lims Batch ID:	96568	Lims Sample ID:	25
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 09:44:19

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ng/uL	Flags
1,4-Dioxane	2.423	2138		

Tentative Identified Compound Results

RT	Response	Amount ng/uL	Quant Cpnd	Qual	Lib Entry	Flags
		Unknown				
3.855	267447	0.8602	1			
		Unknown				
4.206	33473890	107.7	1			
		Unknown				
4.225	220816	0.7102	1			
95-47-6		Benzene, 1,2-dimethyl-				
4.658	374853	1.21	1	94	37719	
		Unknown				
6.346	208621	0.6710	1			
		Unknown				
7.493	195221	0.6279	1			

Quantitation Compounds

Compound	RT	Response	Amount ng/uL
* 1 1,4-Dichlorobenzene-d4	6.575	1554599	5.00

QC Flag Legend

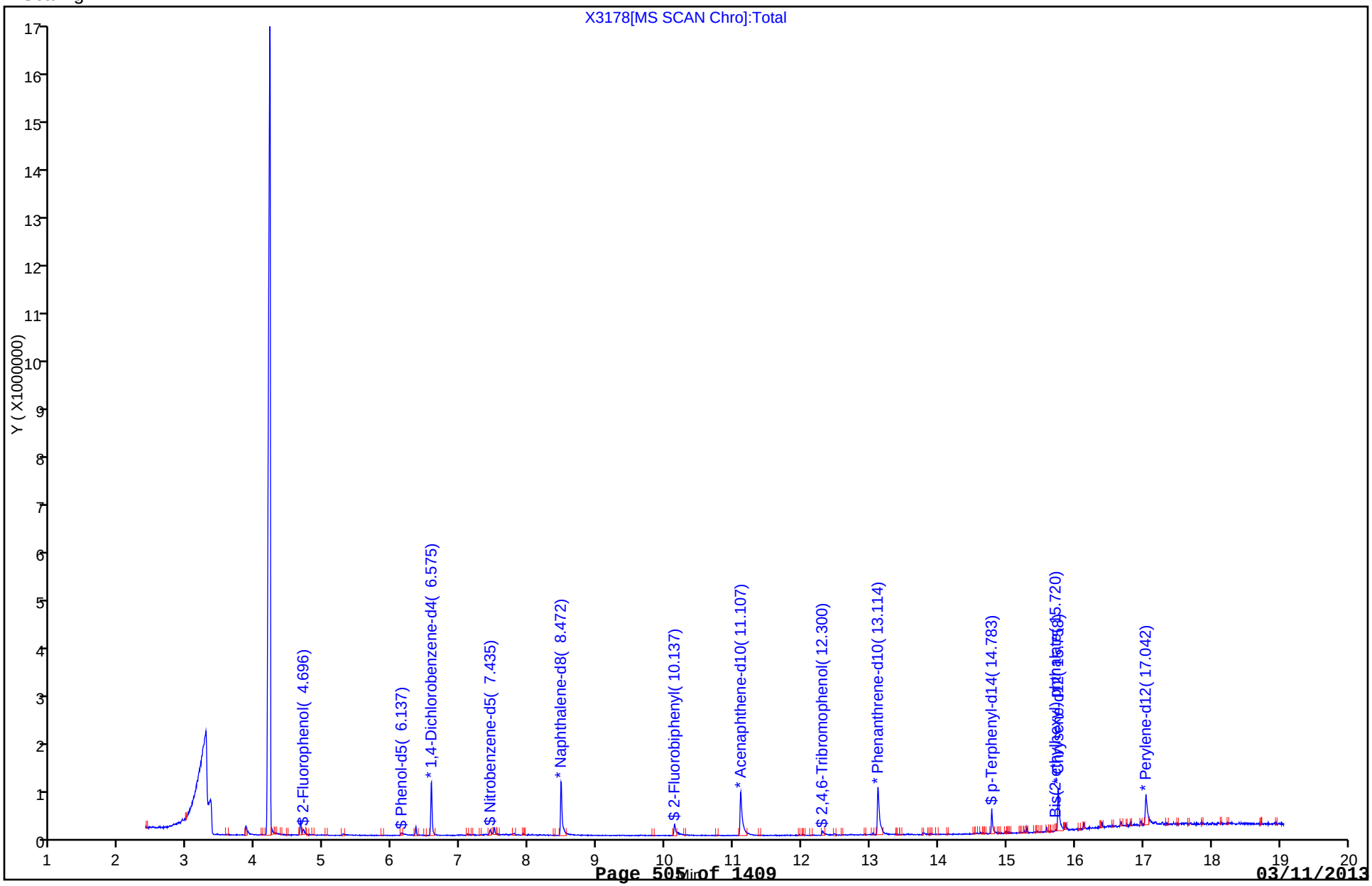
Processing Flags

Report Date: 09-Mar-2013 09:48:35 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3178.D		
Injection Date:	19-Dec-2012 21:03:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-516-6.0/8.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	25
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

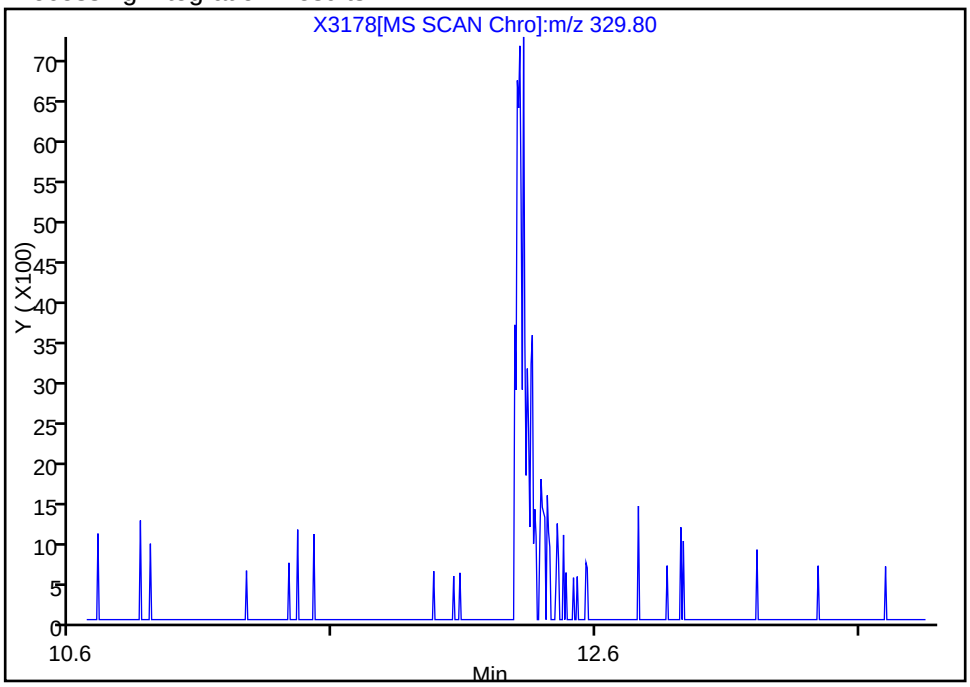
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3178.D		
Injection Date:	19-Dec-2012 21:03:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-516-6.0/8.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	25
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

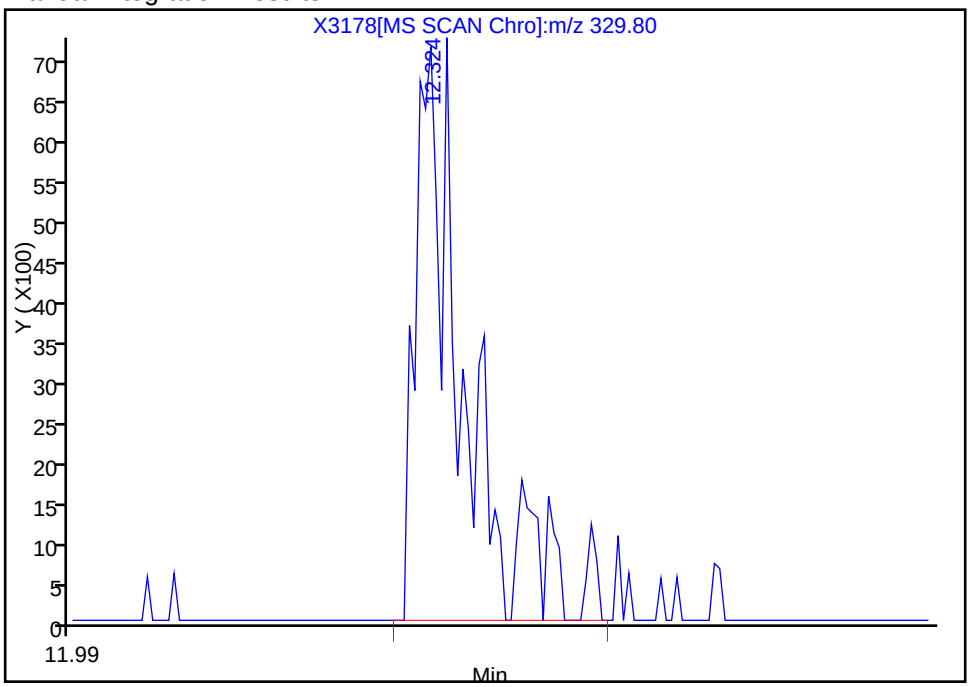
Processing Integration Results

Not Detected
Expected RT: 12.26



Manual Integration Results

RT: 12.32
Response: 21794
Amount: 1.451738



Reviewer: mckernar, 20-Dec-2012 09:44:19
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

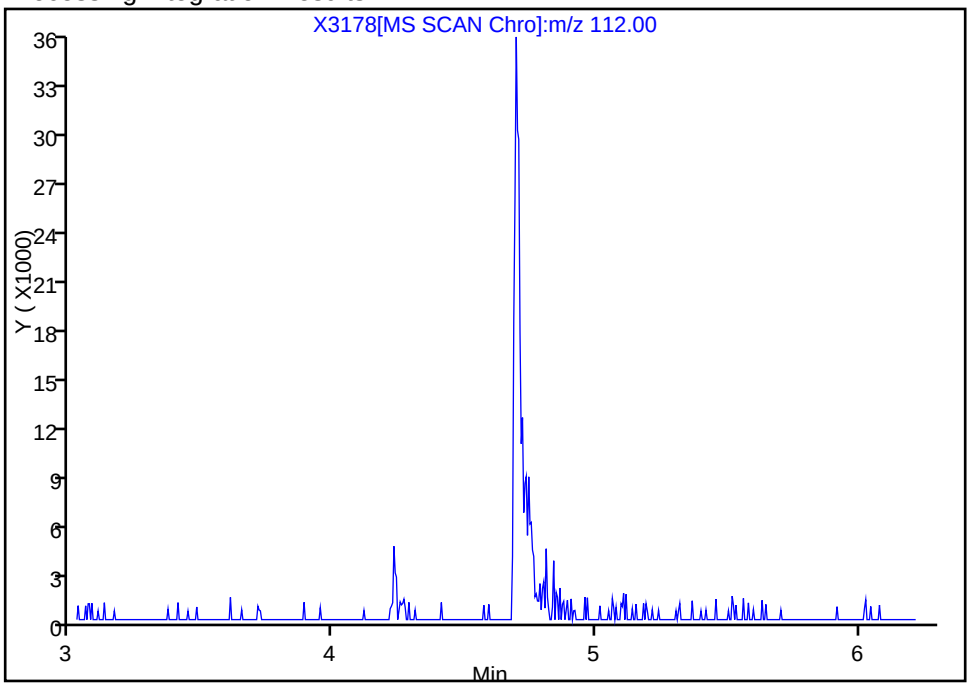
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3178.D		
Injection Date:	19-Dec-2012 21:03:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-516-6.0/8.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	25
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

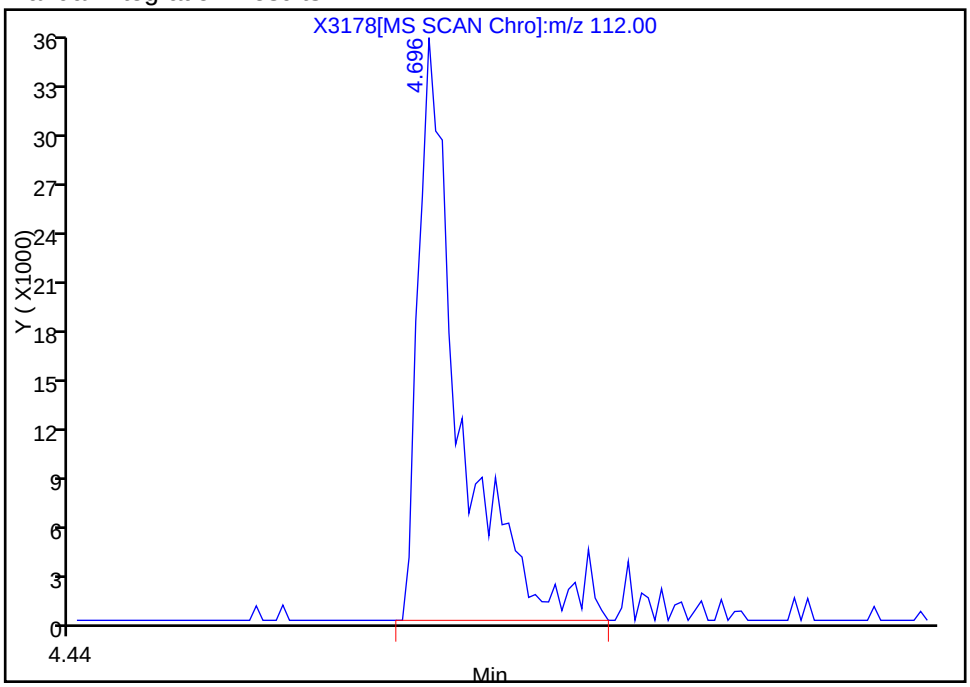
Processing Integration Results

Not Detected
Expected RT: 4.62



Manual Integration Results

RT: 4.70
Response: 73067
Amount: 1.414580



Reviewer: mckernar, 20-Dec-2012 09:44:19
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 09-Mar-2013 09:48:35 Chrom Revision: 2.0 01-Feb-2013 10:03:10

Manual Integration/User Assign Peak Report

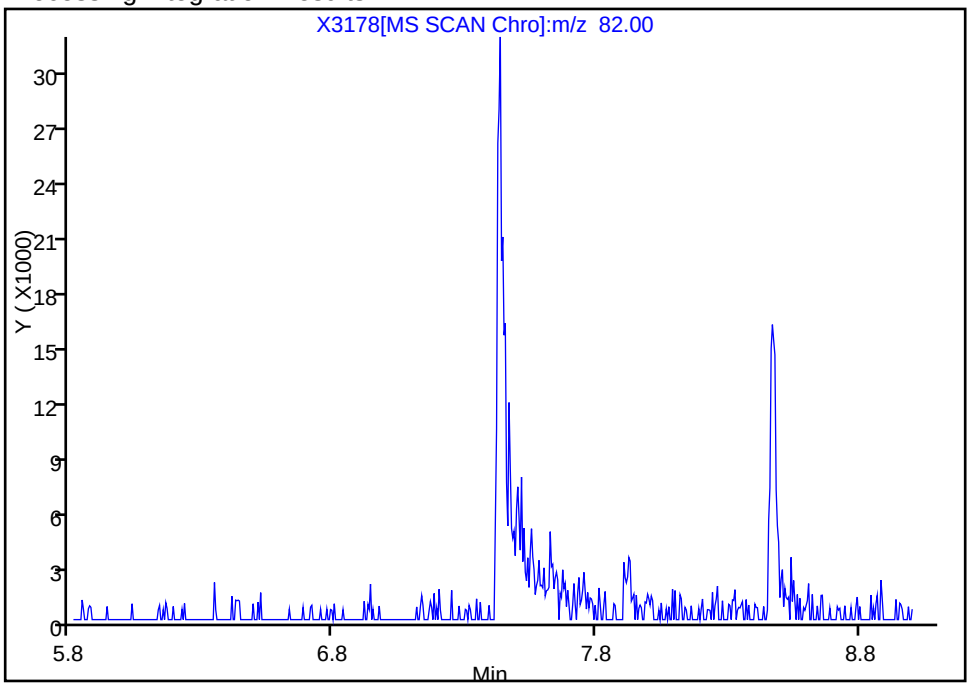
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3178.D		
Injection Date:	19-Dec-2012 21:03:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-516-6.0/8.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	25
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: 7.41

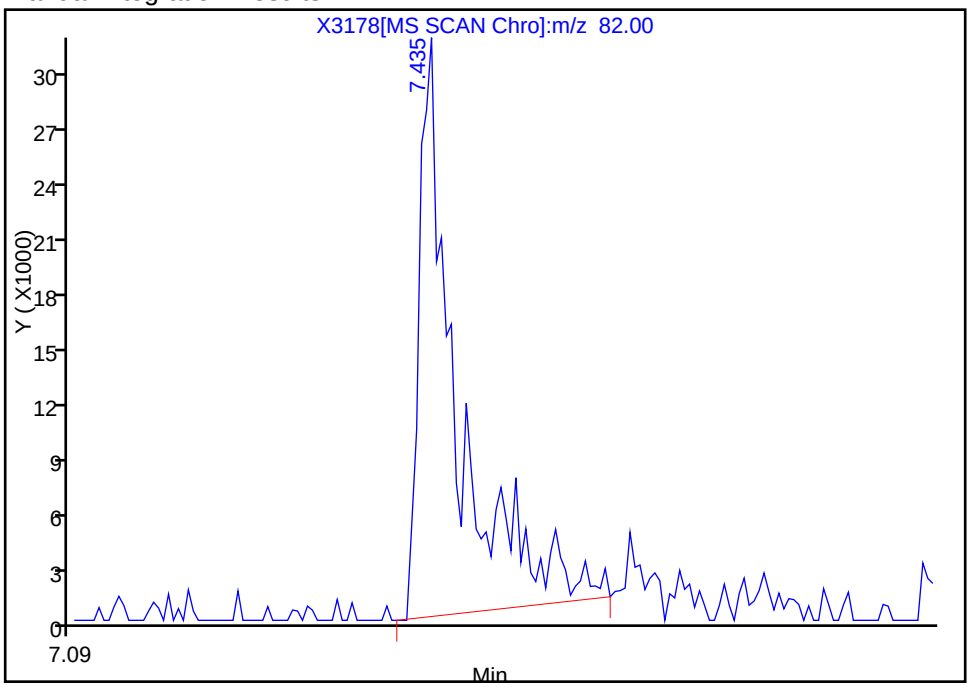
Processing Integration Results

Not Detected
Expected RT: 7.41



Manual Integration Results

RT: 7.44
Response: 78008
Amount: 1.311785



Reviewer: mckernar, 20-Dec-2012 09:44:19
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

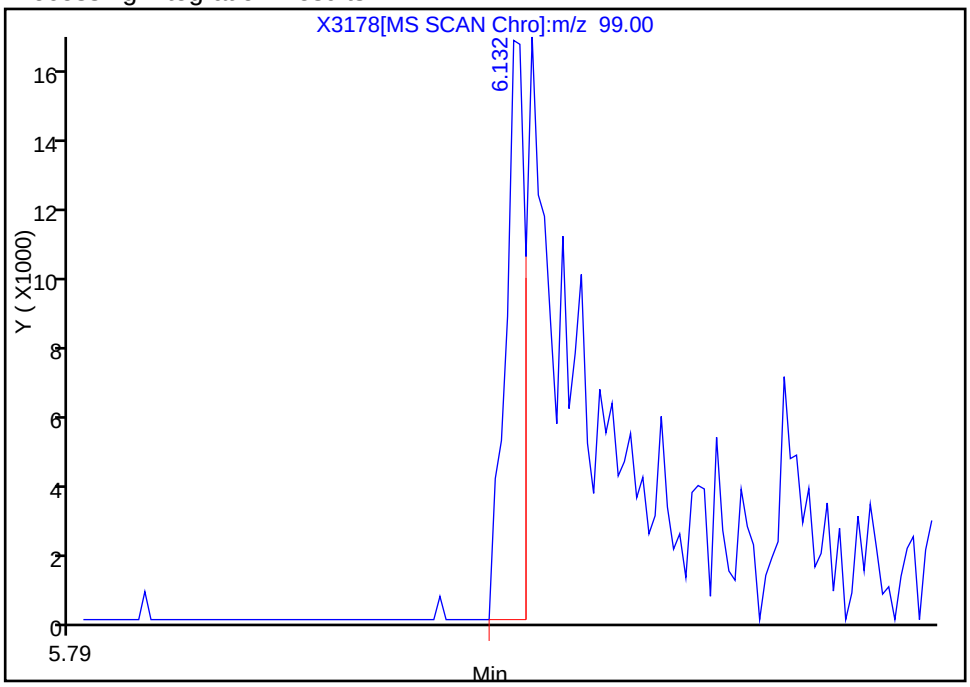
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3178.D		
Injection Date:	19-Dec-2012 21:03:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-516-6.0/8.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	25
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

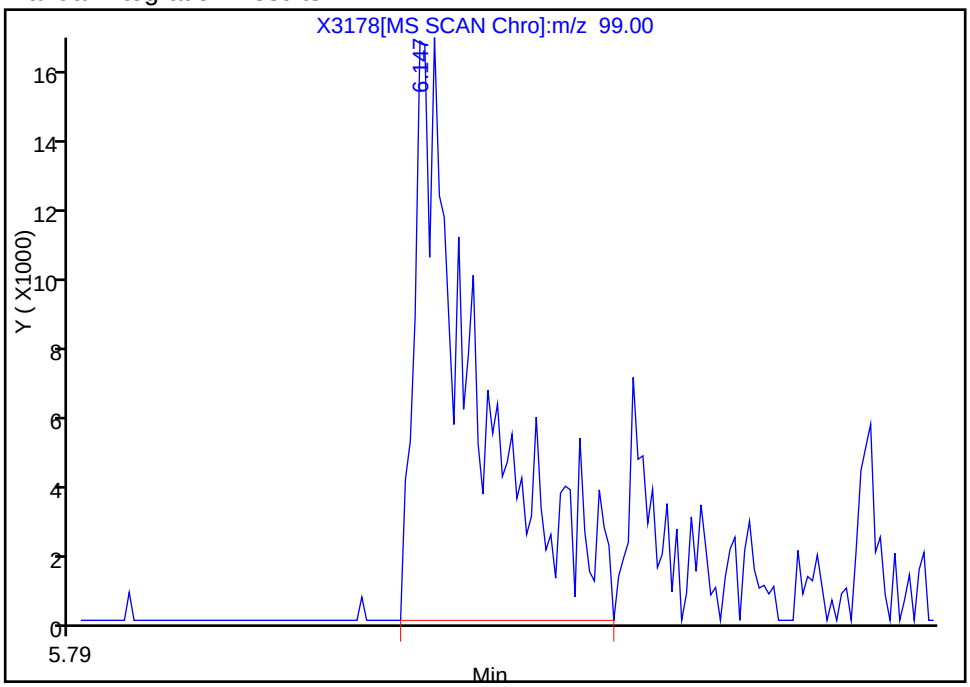
Processing Integration Results

RT: 6.13
Response: 17006
Amount: 0.251364



Manual Integration Results

RT: 6.15
Response: 69234
Amount: 1.101301



Reviewer: mckernar, 20-Dec-2012 09:44:19
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 09-Mar-2013 09:48:35 Chrom Revision: 2.0 01-Feb-2013 10:03:10

Manual Integration/User Assign Peak Report

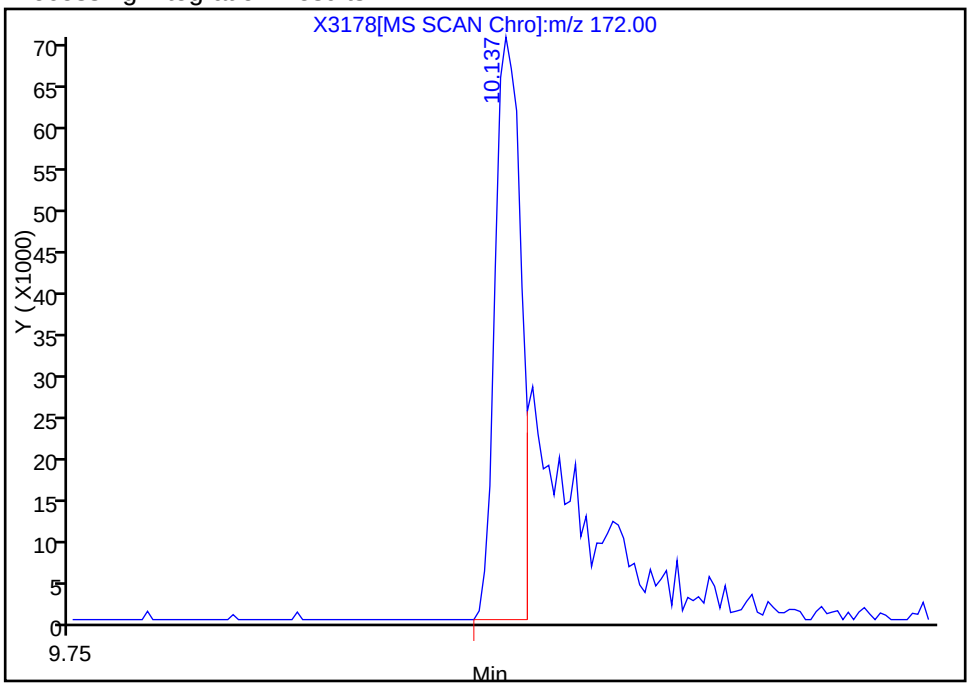
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3178.D		
Injection Date:	19-Dec-2012 21:03:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-516-6.0/8.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	25
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

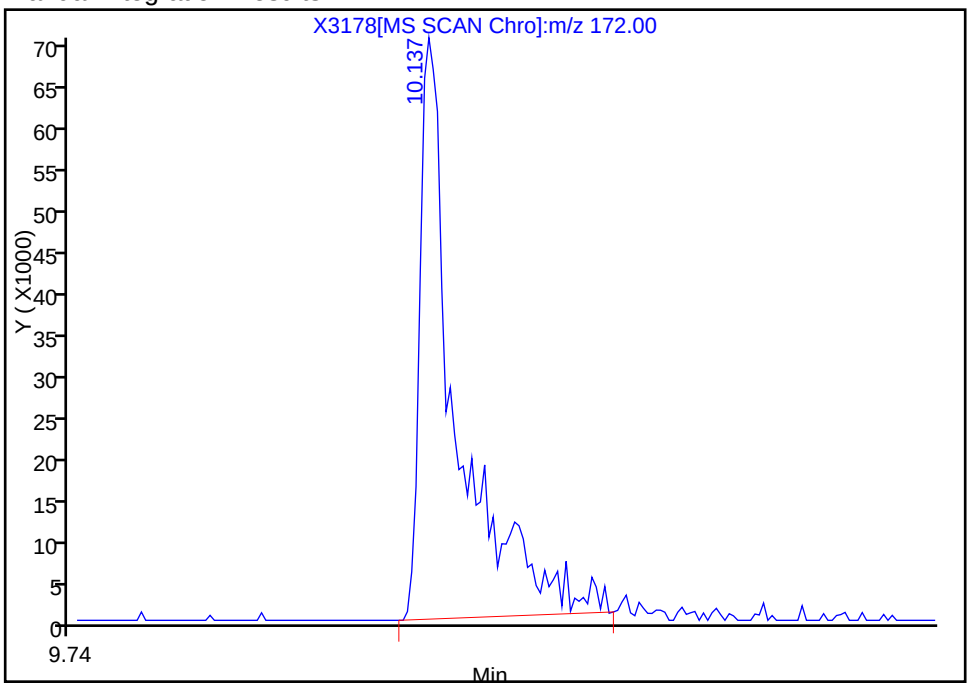
Processing Integration Results

RT: 10.14
Response: 113534
Amount: 0.820344



Manual Integration Results

RT: 10.14
Response: 203357
Amount: 1.616046



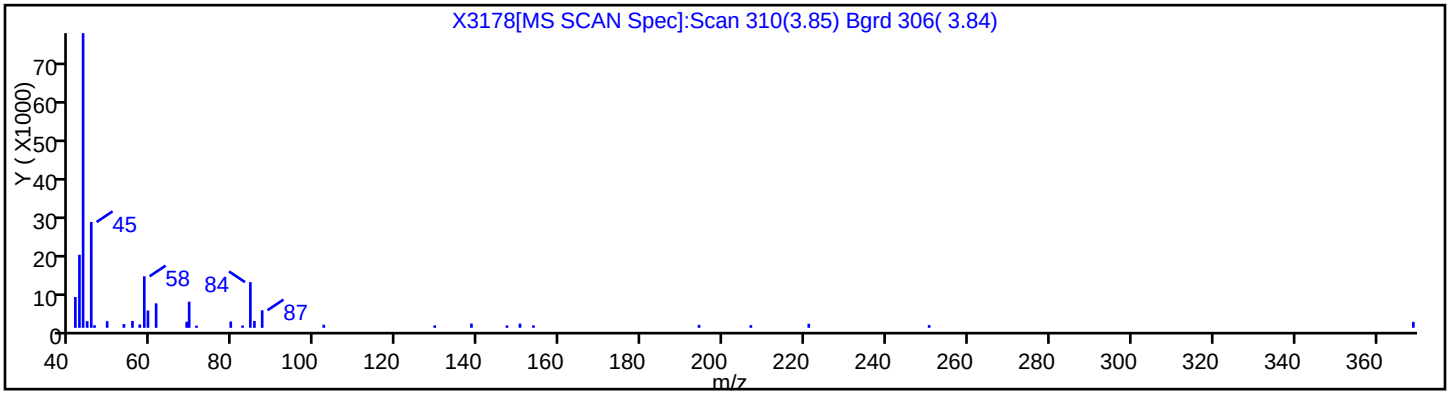
Reviewer: mckernar, 20-Dec-2012 09:44:19
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 09-Mar-2013 09:48:36 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3178.D		
Injection Date:	19-Dec-2012 21:03:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-516-6.0/8.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	25
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

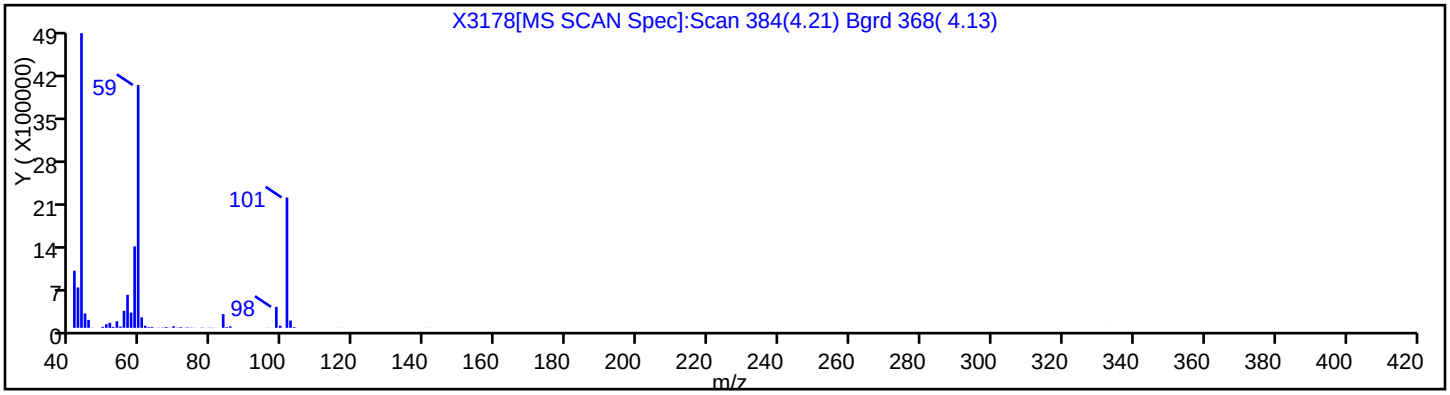


Report Date: 09-Mar-2013 09:48:36 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3178.D		
Injection Date:	19-Dec-2012 21:03:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-516-6.0/8.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	25
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

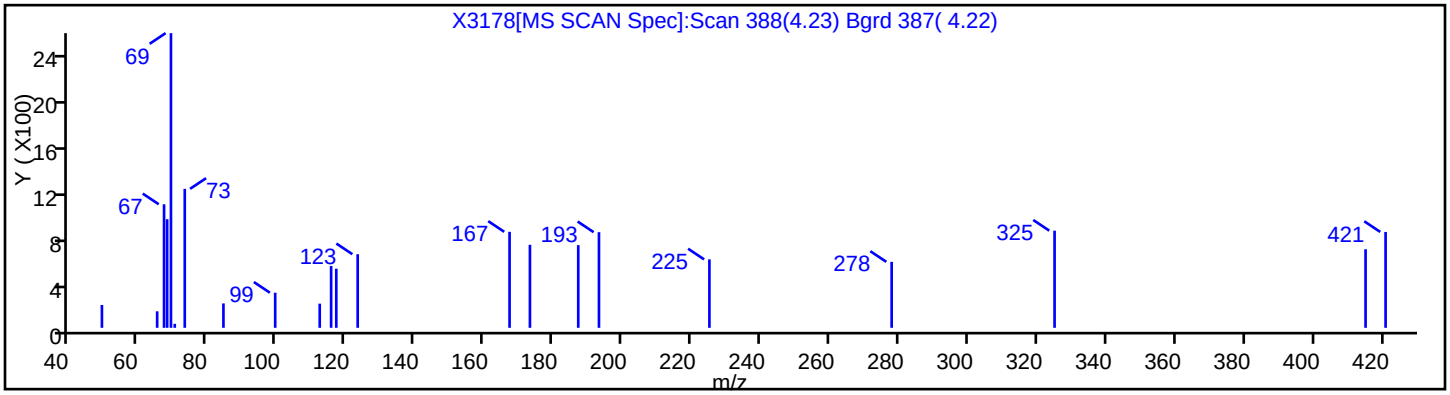


Report Date: 09-Mar-2013 09:48:36 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3178.D		
Injection Date:	19-Dec-2012 21:03:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-516-6.0/8.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	25
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

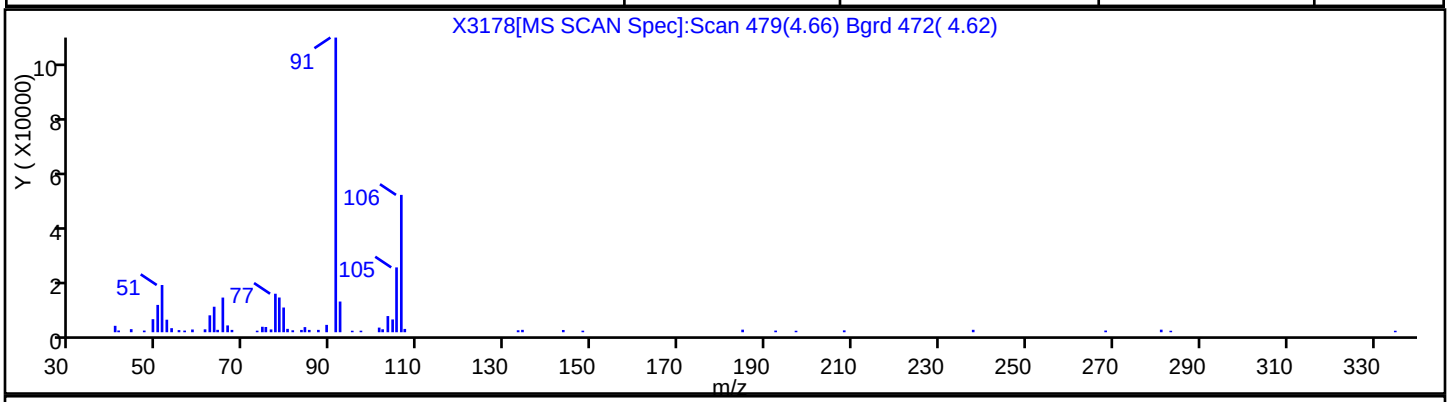


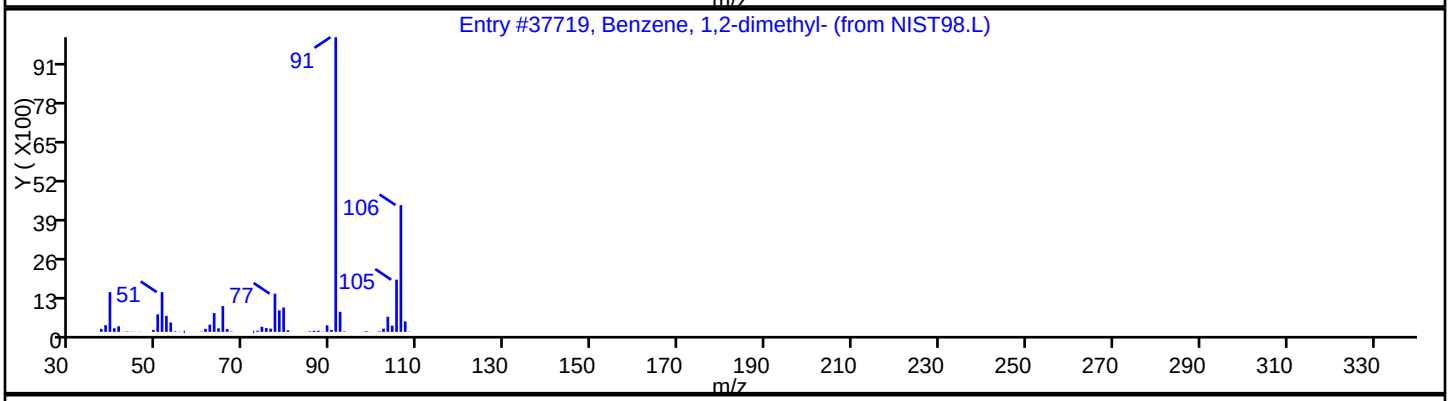
Report Date: 09-Mar-2013 09:48:36 Chrom Revision: 2.0 01-Feb-2013 10:03:10

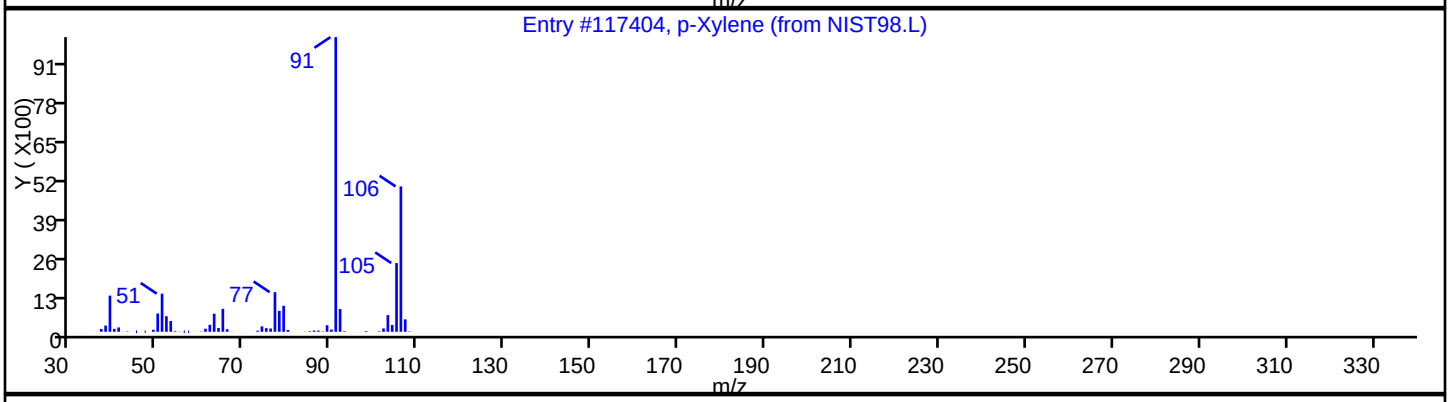
TestAmerica Buffalo

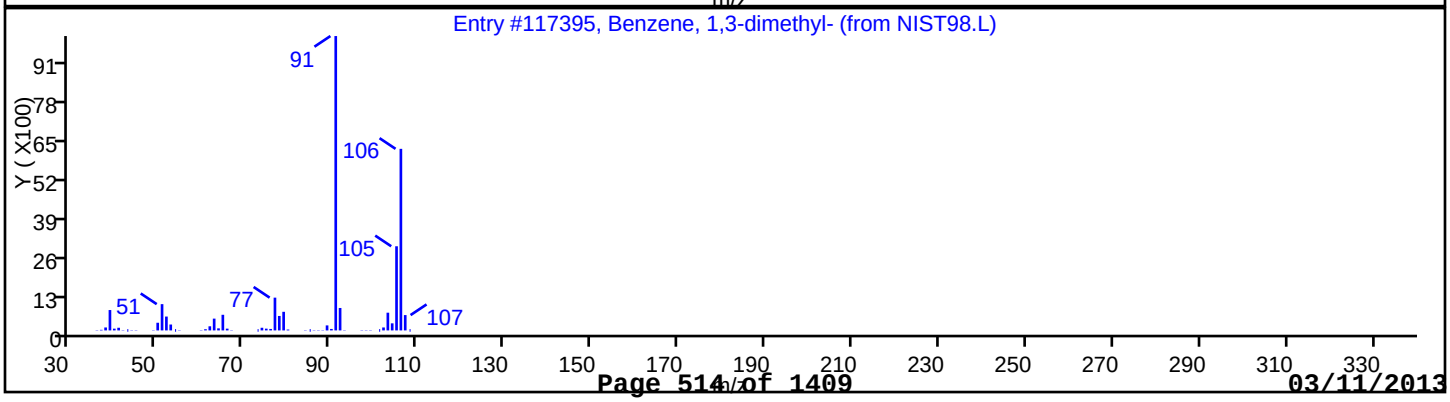
Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3178.D		
Injection Date:	19-Dec-2012 21:03:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-516-6.0/8.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	25
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Benzene, 1,2-dimethyl-	95-47-6	NIST98.L	37719	94
p-Xylene	106-42-3	NIST98.L	117404	94
Benzene, 1,3-dimethyl-	108-38-3	NIST98.L	117395	91







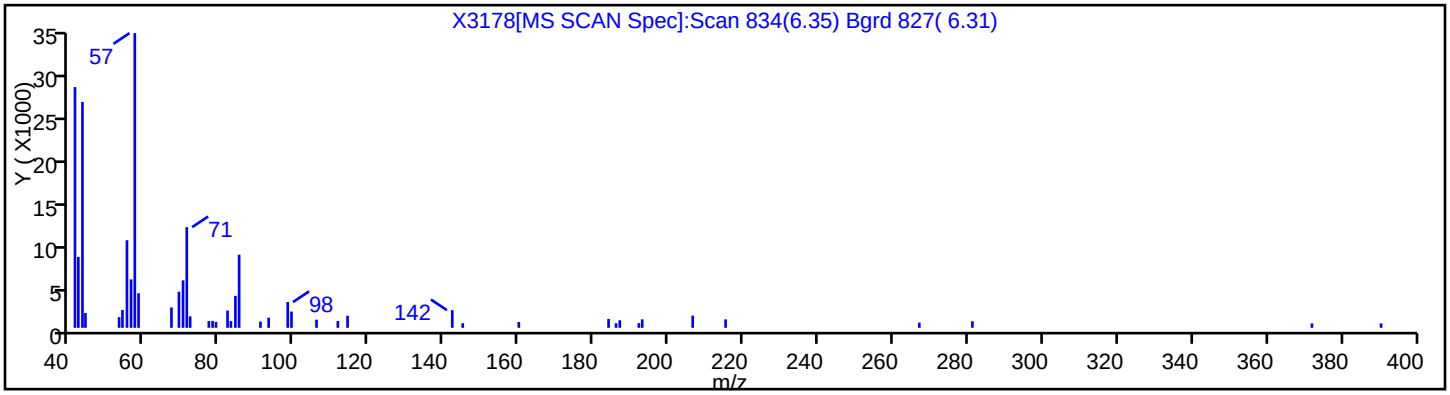


Report Date: 09-Mar-2013 09:48:36 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3178.D		
Injection Date:	19-Dec-2012 21:03:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-516-6.0/8.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	25
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

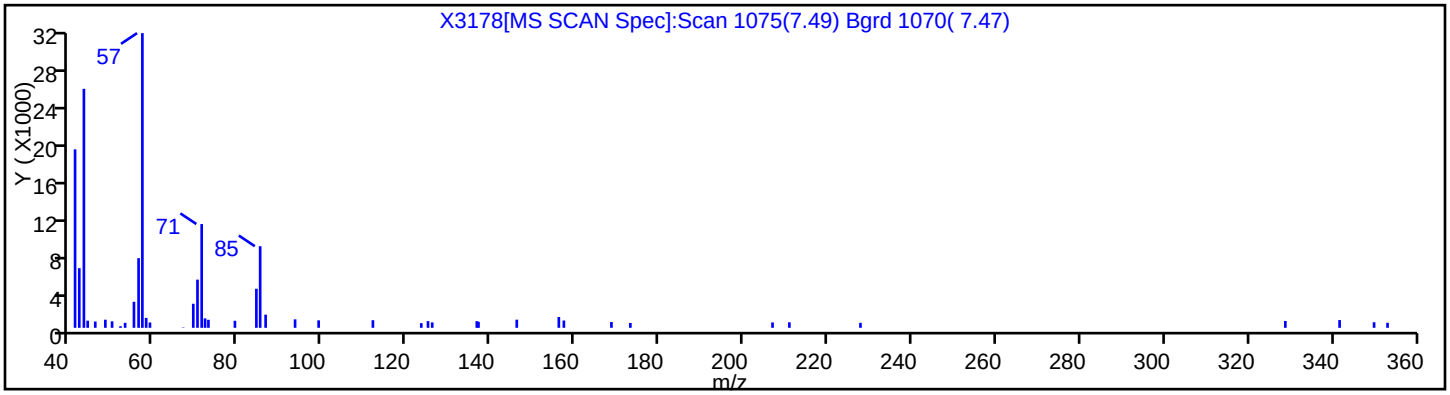


Report Date: 09-Mar-2013 09:48:36 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3178.D		
Injection Date:	19-Dec-2012 21:03:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-516-6.0/8.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	25
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.: 480-30106-1

SDG No.:

Client Sample ID: OC-SB-516-15/17-XXX | Lab Sample ID: 480-30106-12

Matrix: Solid | Lab File ID: X3179.D

Analysis Method: 8270D | Date Collected: 12/12/2012 11:40

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

Sample wt/vol: 000030.1(g) | Date Analyzed: 12/19/2012 21:28

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

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

% Moisture: 21.6 | 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		210	85
95-95-4	2,4,5-Trichlorophenol	ND		42	14
62-53-3	Aniline	ND		42	13
67-72-1	Hexachloroethane	ND		42	13
131-11-3	Dimethyl phthalate	ND		42	13
105-67-9	2,4-Dimethylphenol	ND	*	42	13
78-59-1	Isophorone	ND		42	13
86-73-7	Fluorene	ND		42	13
132-64-9	Dibenzofuran	ND		42	13
208-96-8	Acenaphthylene	ND		42	13
120-83-2	2,4-Dichlorophenol	ND		42	13
191-24-2	Benzo[g,h,i]perylene	ND		42	13
118-74-1	Hexachlorobenzene	ND		42	13
117-84-0	Di-n-octyl phthalate	ND		42	13
87-68-3	Hexachlorobutadiene	ND		42	13
85-01-8	Phenanthrene	ND		42	13
88-75-5	2-Nitrophenol	ND	*	42	17
207-08-9	Benzo[k]fluoranthene	ND		42	22
51-28-5	2,4-Dinitrophenol	ND	*	42	34
120-12-7	Anthracene	ND		42	13
91-57-6	2-Methylnaphthalene	ND		42	13
84-74-2	Di-n-butyl phthalate	ND		210	64
120-82-1	1,2,4-Trichlorobenzene	ND		42	13
129-00-0	Pyrene	ND		42	13
121-14-2	2,4-Dinitrotoluene	ND		42	13
53-70-3	Dibenz(a,h)anthracene	ND		42	13
541-73-1	1,3-Dichlorobenzene	ND		42	13
98-95-3	Nitrobenzene	ND		42	13
91-20-3	Naphthalene	ND		42	13
88-06-2	2,4,6-Trichlorophenol	ND		42	18
87-86-5	Pentachlorophenol	ND		42	13
206-44-0	Fluoranthene	ND		42	13
91-94-1	3,3'-Dichlorobenzidine	ND		85	15
101-55-3	4-Bromophenyl phenyl ether	ND		42	13

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30106-1

SDG No.:

Client Sample ID: OC-SB-516-15/17-XXX | Lab Sample ID: 480-30106-12

Matrix: Solid | Lab File ID: X3179.D

Analysis Method: 8270D | Date Collected: 12/12/2012 11:40

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

Sample wt/vol: 000030.1(g) | Date Analyzed: 12/19/2012 21:28

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

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

% Moisture: 21.6 | 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		42	14
95-48-7	2-Methylphenol	ND		42	13
95-50-1	1,2-Dichlorobenzene	ND		42	13
108-60-1	2,2'-oxybis[1-chloropropane]	ND		42	13
98-86-2	Acetophenone	ND		42	13
111-44-4	Bis(2-chloroethyl)ether	ND		42	13
56-55-3	Benzo[a]anthracene	ND		42	13
193-39-5	Indeno[1,2,3-cd]pyrene	ND		42	13
85-68-7	Butyl benzyl phthalate	ND		42	13
218-01-9	Chrysene	ND		42	13
83-32-9	Acenaphthene	ND		42	13
205-99-2	Benzo[b]fluoranthene	ND		42	13
100-02-7	4-Nitrophenol	ND	*	210	18
106-47-8	4-Chloroaniline	ND	*	85	38
95-57-8	2-Chlorophenol	ND		42	13
606-20-2	2,6-Dinitrotoluene	ND	*	42	36
108-95-2	Phenol	ND		42	13
15831-10-4	3 & 4 Methylphenol	ND		42	13
106-46-7	1,4-Dichlorobenzene	ND		42	13
111-91-1	Bis(2-chloroethoxy)methane	ND		42	13
91-58-7	2-Chloronaphthalene	ND		42	13
621-64-7	N-Nitrosodi-n-propylamine	ND		42	13
7005-72-3	4-Chlorophenyl phenyl ether	17	J	42	13
59-50-7	4-Chloro-3-methylphenol	ND		85	13
50-32-8	Benzo[a]pyrene	ND		42	13
106-44-5	4-Methylphenol	ND		42	13
100-01-6	4-Nitroaniline	ND		210	36
88-74-4	2-Nitroaniline	ND		210	53
105-60-2	Caprolactam	ND		42	13
86-74-8	Carbazole	ND		42	13
534-52-1	4,6-Dinitro-2-methylphenol	ND		210	41
90-12-0	1-Methylnaphthalene	ND		42	13
86-30-6	N-Nitrosodiphenylamine	ND		42	13
1912-24-9	Atrazine	ND		42	13

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30106-1

SDG No.:

Client Sample ID: OC-SB-516-15/17-XXX | Lab Sample ID: 480-30106-12

Matrix: Solid | Lab File ID: X3179.D

Analysis Method: 8270D | Date Collected: 12/12/2012 11:40

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

Sample wt/vol: 000030.1(g) | Date Analyzed: 12/19/2012 21:28

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

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

% Moisture: 21.6 | 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	43		42	13
100-52-7	Benzaldehyde	ND		42	13
103-33-3	Azobenzene	ND		42	13
77-47-4	Hexachlorocyclopentadiene	ND		85	13
99-09-2	3-Nitroaniline	ND		210	13
62-75-9	N-Nitrosodimethylamine	ND		42	13
100-51-6	Benzyl alcohol	ND		85	13
92-52-4	1,1'-Biphenyl	ND		42	13
58-90-2	2,3,4,6-Tetrachlorophenol	ND		42	13
119-61-9	Benzophenone	ND		42	13
65-85-0	Benzoic acid	ND		210	19
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		42	13

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	66		30-130
367-12-4	2-Fluorophenol	55		30-130
4165-60-0	Nitrobenzene-d5	60		30-130
4165-62-2	Phenol-d5	62		30-130
321-60-8	2-Fluorobiphenyl	68		30-130
1718-51-0	p-Terphenyl-d14	91		30-130

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

Lab Name: TestAmerica Buffalo
Job No.: 480-30106-1
SDG No.:
Client Sample ID: OC-SB-516-15/17-XXX
Lab Sample ID: 480-30106-12
Matrix: Solid
Lab File ID: X3179.D
Analysis Method: 8270D
Date Collected: 12/12/2012 11:40
Extract. Method: 3546
Date Extracted: 12/18/2012 08:12
Sample wt/vol: 000030.1(g)
Date Analyzed: 12/19/2012 21:28
Con. Extract Vol.: 1(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
Level: (low/med) Low
% Moisture: 21.6
GPC Cleanup:(Y/N) N
Analysis Batch No.: 96568
Units: ug/Kg
Number TICs Found: 4
TIC Result Total: 4510

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	3.85	43	T J
	Unknown	4.21	4400	T J
106-42-3	p-Xylene	4.65	39	T J N
	Unknown	6.34	28	T J

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3179.D		
Lims ID:	480-30106-A-12-B	Client ID:	OC-SB-516-15/17-XXX
Inject. Date:	19-Dec-2012 21:28:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-0017692-026		
Misc. Info.:			
Operator:	ANM	Instrument ID:	HP5973X
Injection Vol:	1.0 ul	ALS Bottle#:	27
Lims Batch ID:	96568	Lims Sample ID:	26
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 09:44:43

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.565	6.546	0.019	85	234435	5.00	
* 2 Naphthalene-d8	136	8.467	8.482	-0.015	96	894420	5.00	
* 3 Acenaphthene-d10	164	11.097	11.107	-0.010	87	580538	5.00	
* 4 Phenanthrene-d10	188	13.109	13.104	0.005	97	880858	5.00	
* 5 Chrysene-d12	240	15.758	15.753	0.005	98	562954	5.00	
* 6 Perylene-d12	264	17.042	17.037	0.005	97	516397	5.00	
$ 7 2-Fluorophenol	112	4.696	4.620	0.076	47	58646	1.10	
$ 8 Phenol-d5	99	6.118	6.056	0.062	91	79873	1.23	
$ 9 Nitrobenzene-d5	82	7.417	7.407	0.009	83	80463	1.20	
$ 10 2-Fluorobiphenyl	172	10.118	10.122	-0.004	91	199034	1.37	
$ 11 2,4,6-Tribromophenol	330	12.286	12.257	0.029	24	21390	1.32	
$ 12 p-Terphenyl-d14	244	14.788	14.778	0.010	97	196512	1.81	
19 N-Nitrosodimethylamine	42		2.718					12
21 Benzaldehyde	77		5.895					149
23 Aniline	93		6.066					
22 Phenol	94		6.075					9
24 Bis(2-chloroethyl)ether	93		6.170					
25 2-Chlorophenol	128		6.237					
26 1,3-Dichlorobenzene	146		6.456					
27 1,4-Dichlorobenzene	146		6.575					
29 1,2-Dichlorobenzene	146		6.798					
28 Benzyl alcohol	108		6.803					149
31 2-Methylphenol	108		6.988					9
32 2,2'-oxybis[1-chloropropane]	45		6.998					
33 Acetophenone	105		7.179					
34 N-Nitrosodi-n-propylamine	70		7.193					14
35 DFTPP								
36 4-Methylphenol	108		7.245					
37 Hexachloroethane	117		7.302					1
38 Nitrobenzene	77		7.435					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
40 Isophorone	82		7.806					
41 2-Nitrophenol	139		7.925					
43 2,4-Dimethylphenol	107		8.039					9
45 Bis(2-chloroethoxy)methane	93		8.163					149
44 Benzoic acid	105		8.220					
47 2,4-Dichlorophenol	162		8.315					
48 1,2,4-Trichlorobenzene	180		8.405					19
49 Naphthalene	128		8.515					9
51 4-Chloroaniline	127		8.643					
52 Hexachlorobutadiene	225		8.715					
54 Caprolactam	113		9.185					
55 4-Chloro-3-methylphenol	107		9.442					
56 2-Methylnaphthalene	142		9.566					9
57 1-Methylnaphthalene	142		9.704					
58 Hexachlorocyclopentadiene	237		9.794					
59 1,2,4,5-Tetrachlorobenzene	216		9.813					19
60 2,4,6-Trichlorophenol	196		10.018					
61 2,4,5-Trichlorophenol	196		10.103					
62 1,1'-Biphenyl	154		10.265					
63 2-Chloronaphthalene	162		10.312					9
64 Phenyl ether	170	10.422	10.427	-0.005	93	91798	1.01	
65 2-Nitroaniline	65		10.484					
67 Dimethyl phthalate	163		10.764					
68 2,6-Dinitrotoluene	165		10.850					19
69 Acenaphthylene	152		10.893					9
70 3-Nitroaniline	138		11.111					19
71 Acenaphthene	153		11.154					
72 2,4-Dinitrophenol	184		11.283					
73 Dibenzofuran	168		11.416					19
74 2,4-Dinitrotoluene	165		11.459					149
75 4-Nitrophenol	109		11.487					149
76 2,3,4,6-Tetrachlorophenol	232		11.635					
78 Diethyl phthalate	149		11.810					
79 Fluorene	166		11.915					9
80 4-Chlorophenyl phenyl ether	204	11.953	11.934	0.019	66	28288	0.4049	
81 4-Nitroaniline	138		12.015					149
82 4,6-Dinitro-2-methylphenol	198		12.043					19
83 N-Nitrosodiphenylamine	169		12.105					
16 1,2-Diphenylhydrazine	77	12.201	12.148	0.053	49	8983	0.0678	
85 Azobenzene	77	12.201	12.148	0.053	50	8983	0.0680	
86 Benzophenone	105		12.172					
89 4-Bromophenyl phenyl ether	248		12.571					
91 Hexachlorobenzene	284		12.633					
93 Atrazine	200		12.823					
94 Pentachlorophenol	266		12.904					
97 Phenanthrene	178		13.128					
98 Anthracene	178		13.190					
99 Carbazole	167		13.399					
102 Di-n-butyl phthalate	149		13.784					
104 Fluoranthene	202		14.407					9
106 Pyrene	202		14.631					
108 Butyl benzyl phthalate	149		15.230					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
109 3,3'-Dichlorobenzidine	252		15.724					
110 Bis(2-ethylhexyl) phthalate	149		15.729					9
111 Benzo[a]anthracene	228		15.743					
112 Chrysene	228		15.777					
113 Di-n-octyl phthalate	149		16.266					9
114 Benzo[b]fluoranthene	252		16.680					
115 Benzo[k]fluoranthene	252		16.704					
116 Benzo[a]pyrene	252		16.985					9
117 Indeno[1,2,3-cd]pyrene	276		18.126					9
118 Dibenz(a,h)anthracene	278		18.126					9
119 Benzo[g,h,i]perylene	276		18.444					9
S 120 3 & 4 Methylphenol	108		0.000					

QC Flag Legend

Processing Flags
1 - Missing Peaks
2 - Failed Coelution Test
4 - Failed Signal Ratio Test
9 - Failed A Reference Spectral Test

TestAmerica Buffalo
Tentatively Identified Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3179.D		
Lims ID:	480-30106-A-12-B	Client ID:	OC-SB-516-15/17-XXX
Inject. Date:	19-Dec-2012 21:28:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-0017692-026		
Misc. Info.:			
Operator:	ANM	Instrument ID:	HP5973X
Injection Vol:	1.0 ul	ALS Bottle#:	27
Lims Batch ID:	96568	Lims Sample ID:	26
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 09:44:43

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ng/uL	Flags
1,4-Dioxane	2.418	1157		
Pyridine	2.880	191	0.004392	

Tentative Identified Compound Results

RT	Response	Amount ng/uL	Quant Cpnd	Qual	Lib Entry	Flags
		Unknown				
3.845	346096	1.01	1			
		Unknown				
4.206	35846779	104.8	1			
106-42-3		p-Xylene				
4.654	315990	0.9239	1	90	117401	
		Unknown				
6.342	227156	0.6641	1			

Quantitation Compounds

Compound	RT	Response	Amount ng/uL
* 1 1,4-Dichlorobenzene-d4	6.565	1710136	5.00

QC Flag Legend

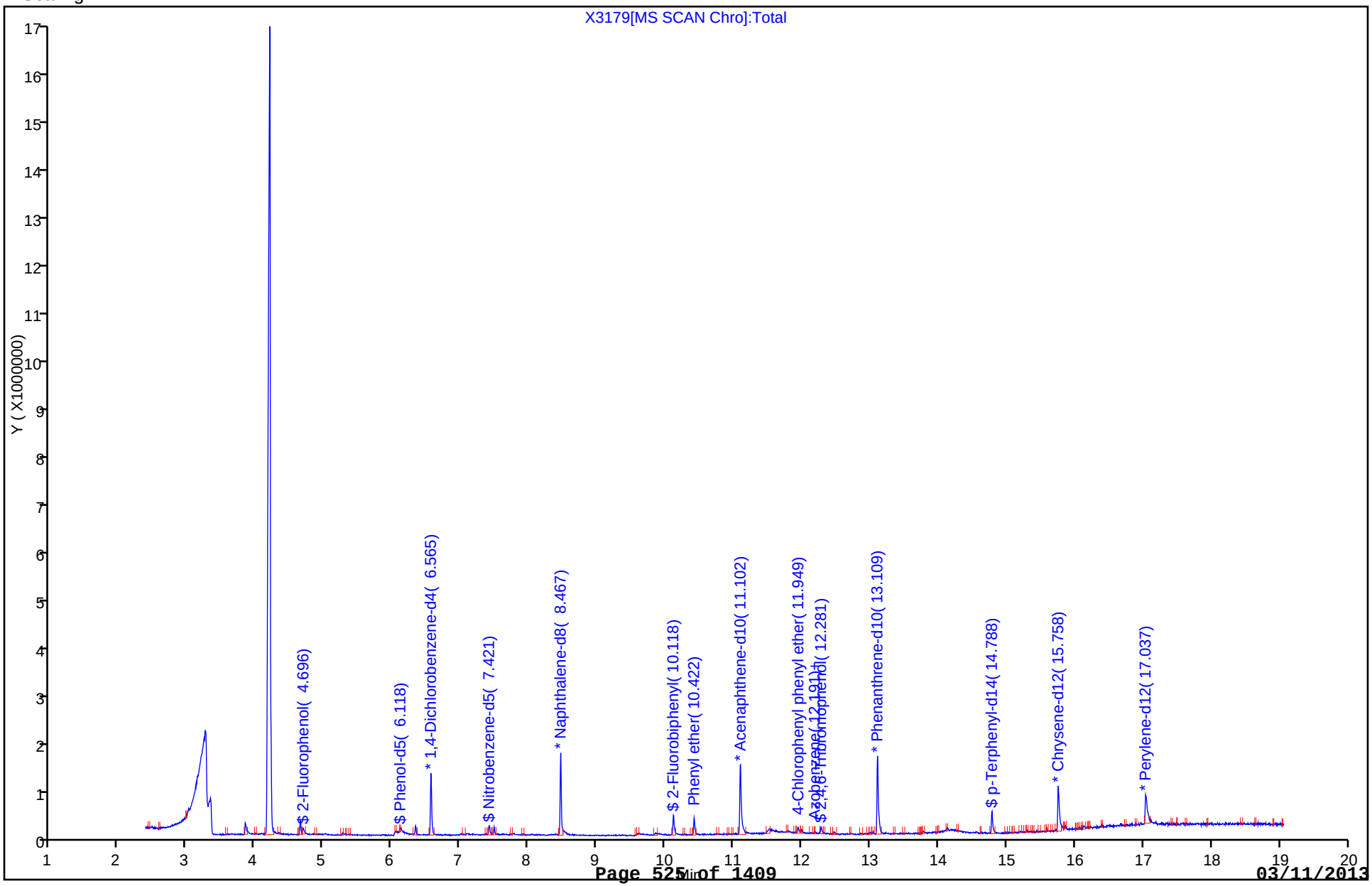
Processing Flags

Report Date: 09-Mar-2013 09:48:36 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3179.D		
Injection Date:	19-Dec-2012 21:28:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-516-15/17-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	26
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:

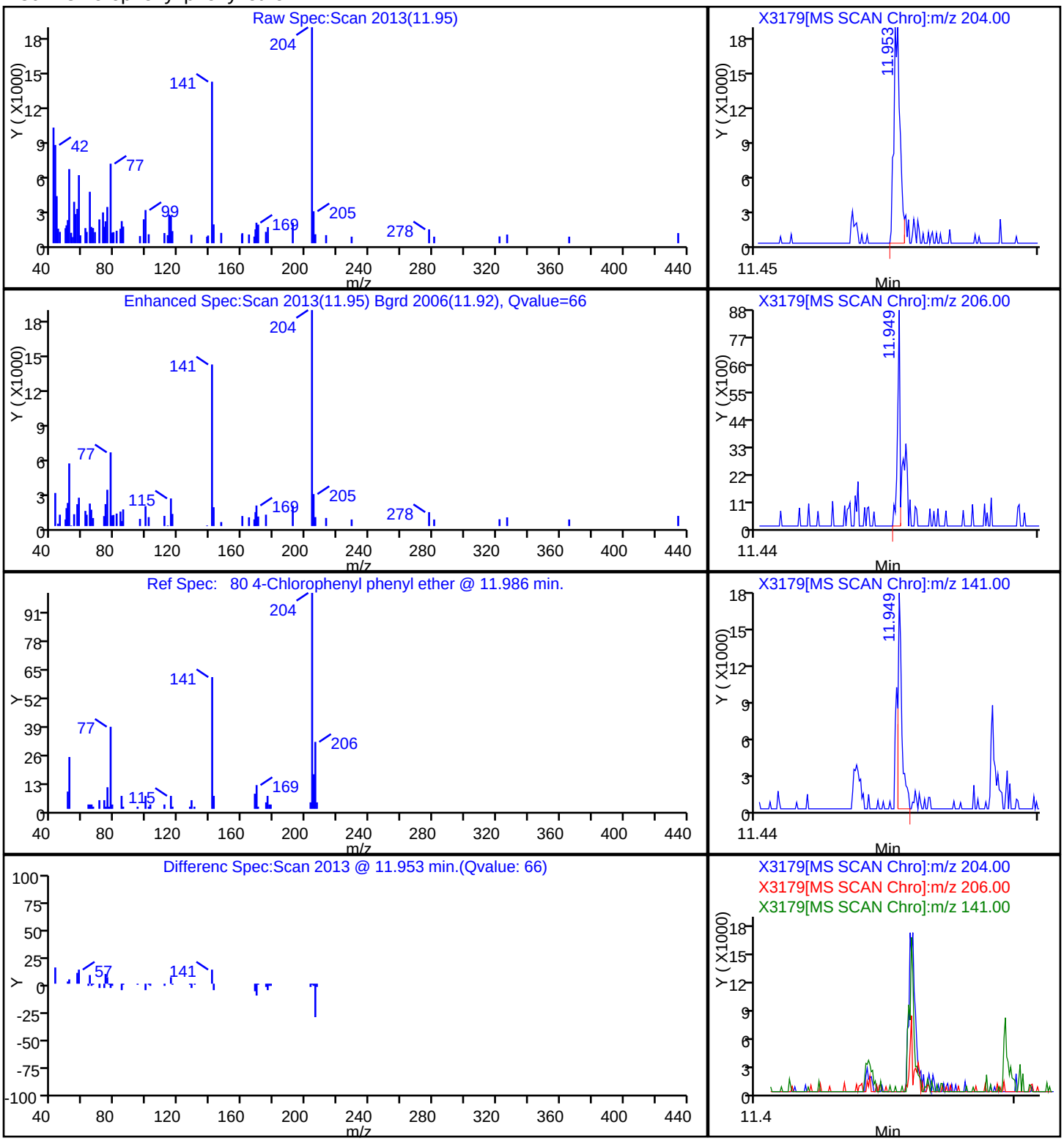


Report Date: 09-Mar-2013 09:48:36 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3179.D		
Injection Date:	19-Dec-2012 21:28:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-516-15/17-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	26
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

80 4-Chlorophenyl phenyl ether

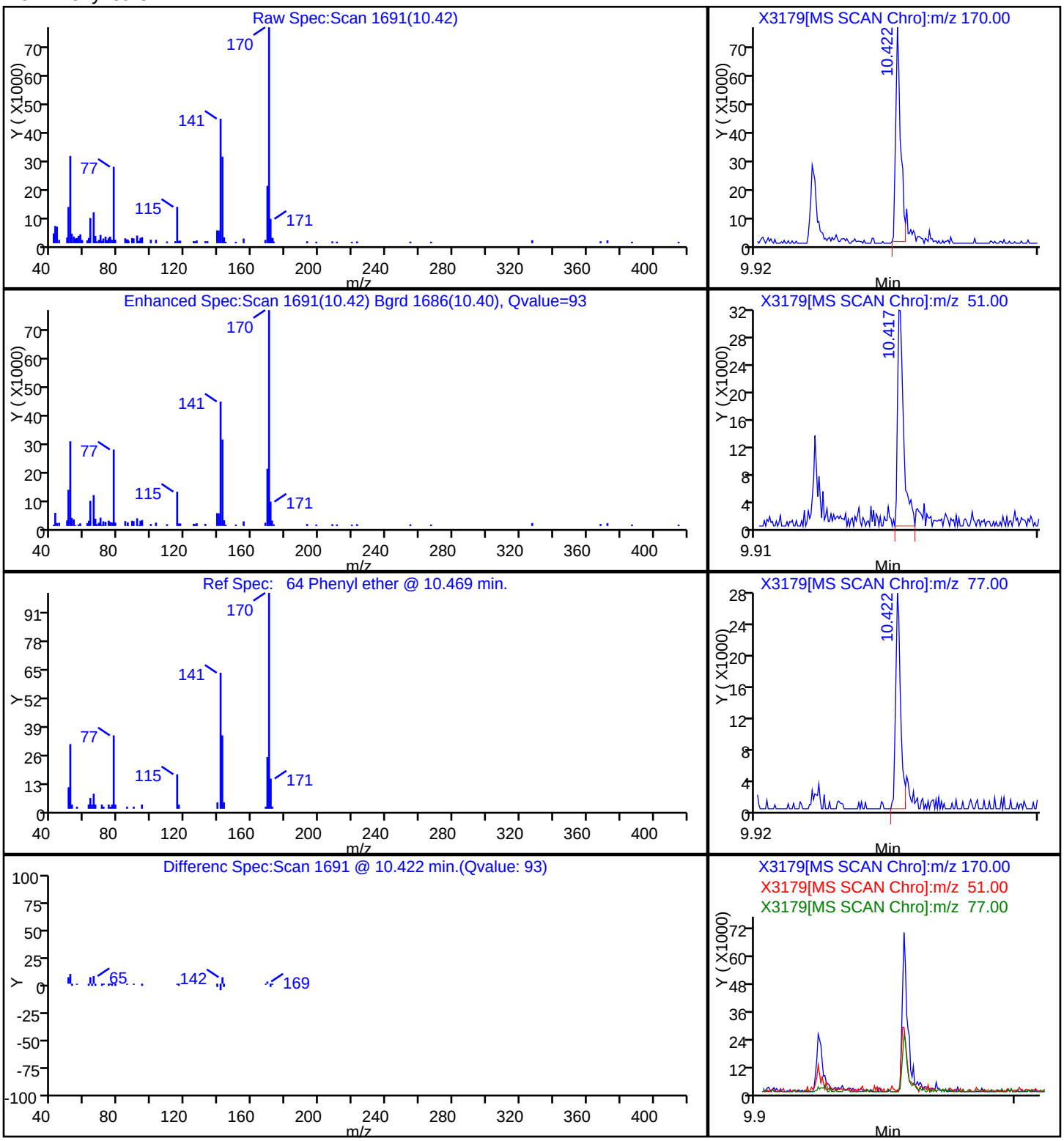


Report Date: 09-Mar-2013 09:48:36 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3179.D		
Injection Date:	19-Dec-2012 21:28:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-516-15/17-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	26
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

64 Phenyl ether

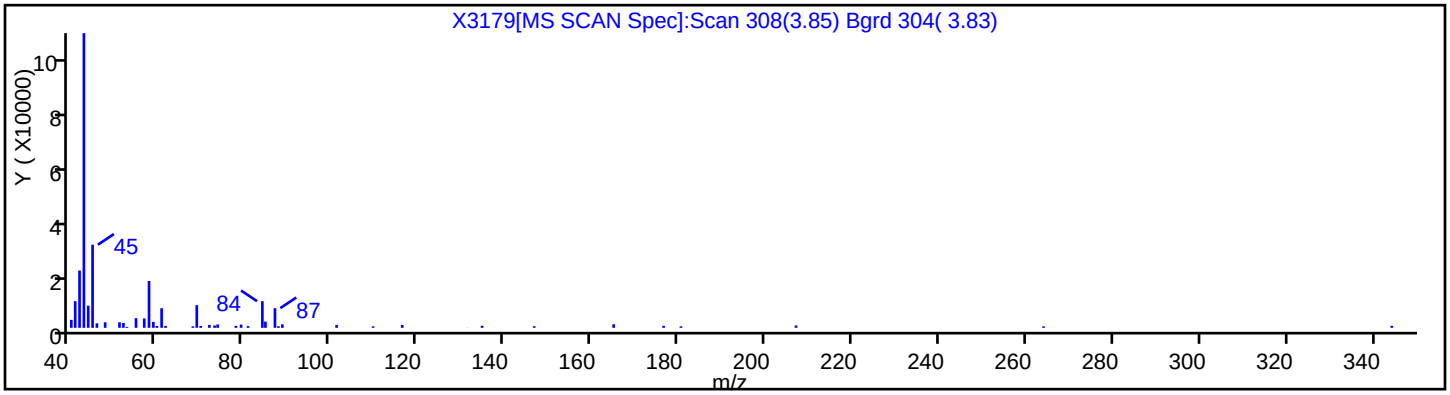


Report Date: 09-Mar-2013 09:48:37 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3179.D		
Injection Date:	19-Dec-2012 21:28:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-516-15/17-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	26
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

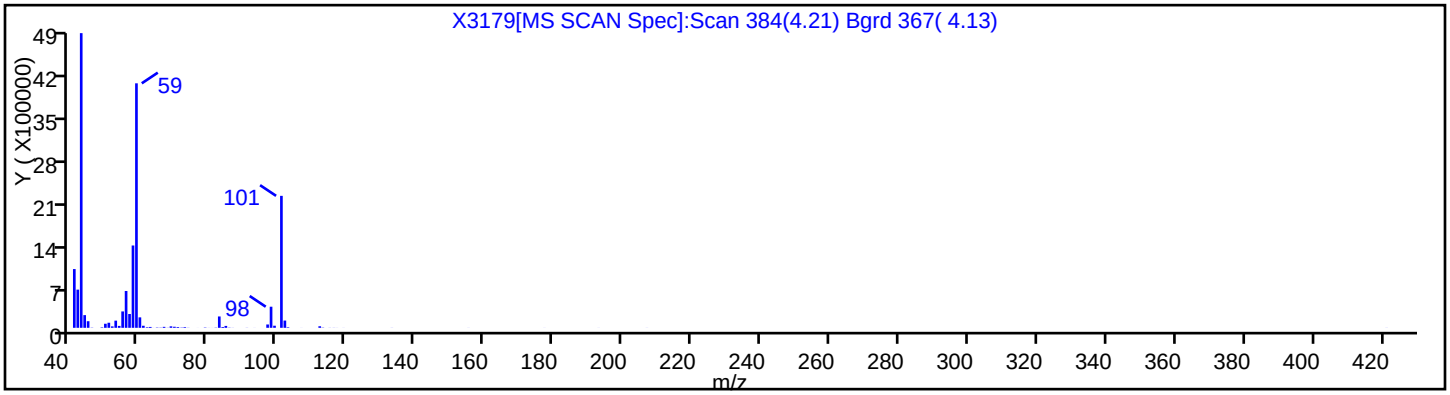


Report Date: 09-Mar-2013 09:48:37 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3179.D		
Injection Date:	19-Dec-2012 21:28:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-516-15/17-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	26
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

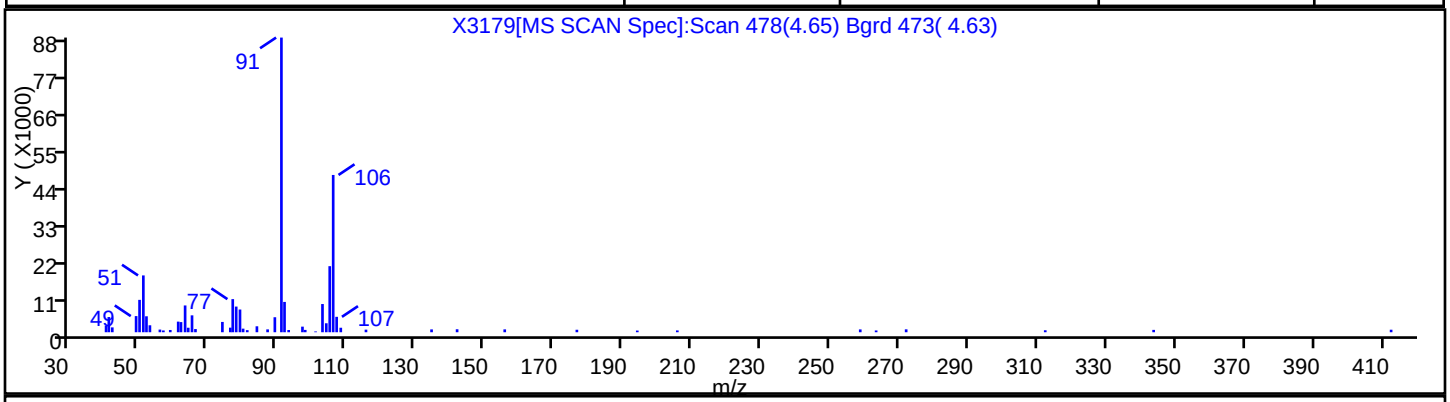


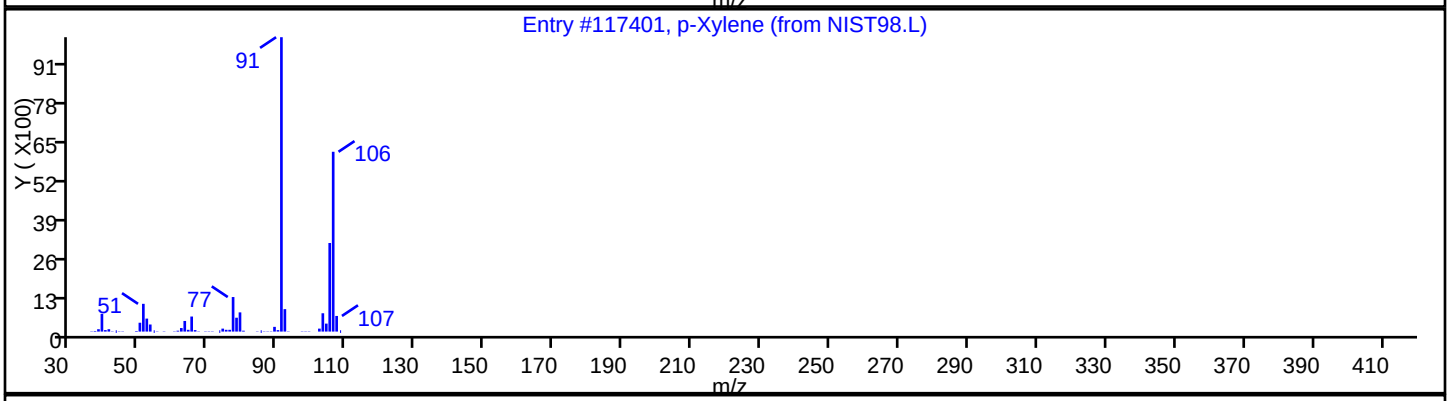
Report Date: 09-Mar-2013 09:48:37 Chrom Revision: 2.0 01-Feb-2013 10:03:10

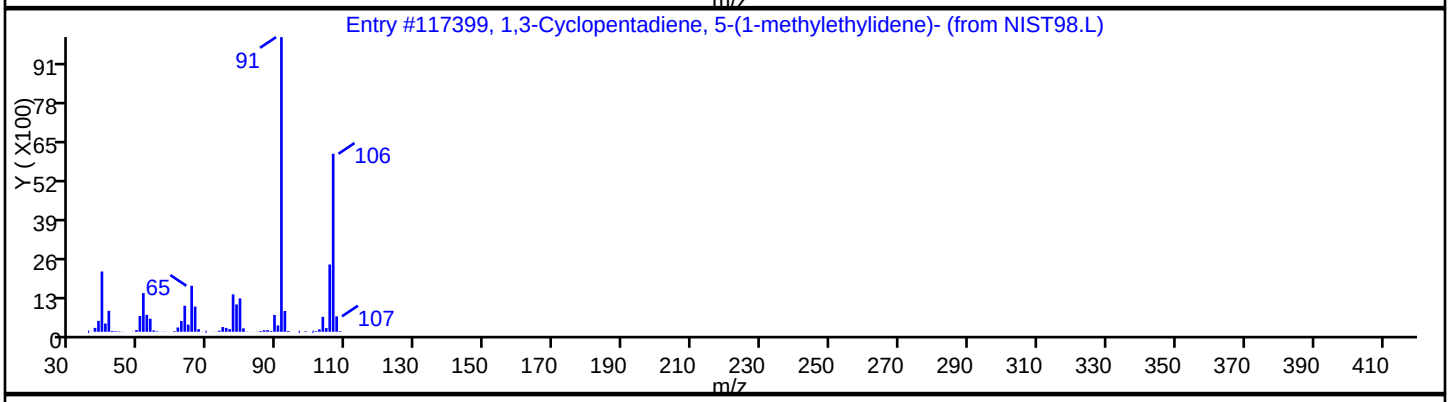
TestAmerica Buffalo

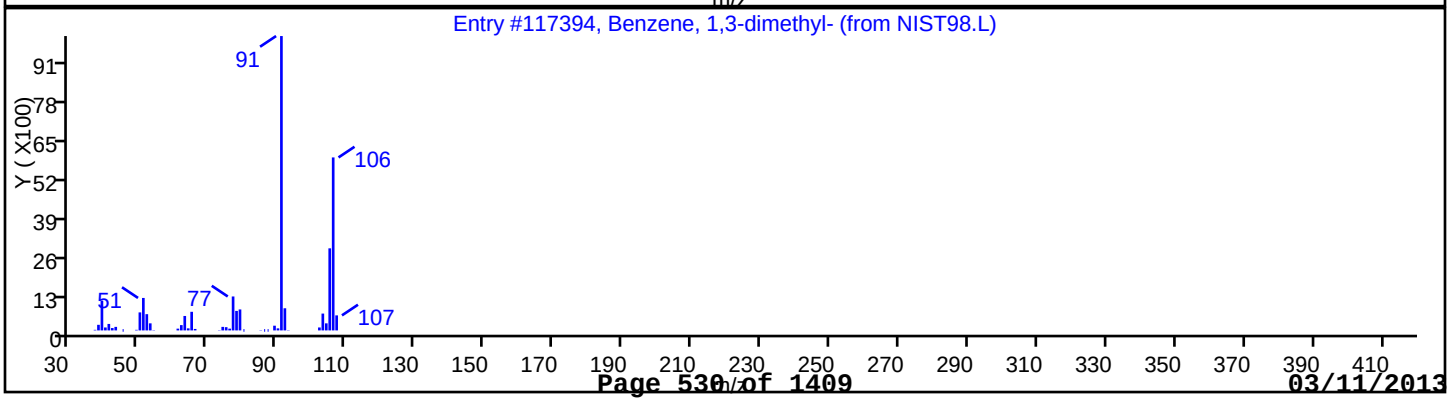
Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3179.D		
Injection Date:	19-Dec-2012 21:28:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-516-15/17-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	26
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
p-Xylene	106-42-3	NIST98.L	117401	90
1,3-Cyclopentadiene, 5-(1-methylethylide	2175-91-9	NIST98.L	117399	90
Benzene, 1,3-dimethyl-	108-38-3	NIST98.L	117394	90







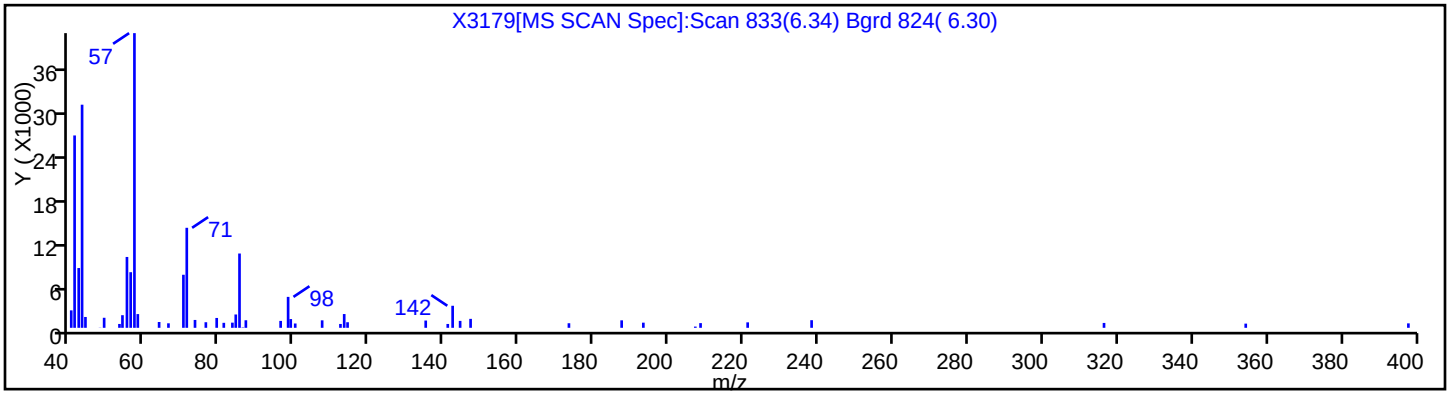


Report Date: 09-Mar-2013 09:48:37 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3179.D		
Injection Date:	19-Dec-2012 21:28:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-516-15/17-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	26
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.: 480-30106-1

SDG No.:

Client Sample ID: OC-SB-517-0.0/1.0-XXX | Lab Sample ID: 480-30106-13

Matrix: Solid | Lab File ID: X3180.D

Analysis Method: 8270D | Date Collected: 12/12/2012 12:15

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

Sample wt/vol: 000030.4(g) | Date Analyzed: 12/19/2012 21:54

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

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

% Moisture: 9.0 | 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*	*2900*	*E*	*180*	*73*
95-95-4	2,4,5-Trichlorophenol	ND		36	12
62-53-3	Aniline	ND		36	11
67-72-1	Hexachloroethane	ND		36	11
131-11-3	Dimethyl phthalate	ND		36	11
105-67-9	2,4-Dimethylphenol	ND	*	36	11
78-59-1	Isophorone	ND		36	11
86-73-7	Fluorene	ND		36	11
132-64-9	Dibenzofuran	ND		36	11
208-96-8	Acenaphthylene	ND		36	11
120-83-2	2,4-Dichlorophenol	ND		36	11
191-24-2	Benzo[g,h,i]perylene	ND		36	11
118-74-1	Hexachlorobenzene	ND		36	11
117-84-0	Di-n-octyl phthalate	ND		36	11
87-68-3	Hexachlorobutadiene	ND		36	11
85-01-8	Phenanthrene	ND		36	11
88-75-5	2-Nitrophenol	ND	*	36	14
207-08-9	Benzo[k]fluoranthene	ND		36	18
51-28-5	2,4-Dinitrophenol	ND	*	36	29
120-12-7	Anthracene	ND		36	11
91-57-6	2-Methylnaphthalene	ND		36	11
84-74-2	Di-n-butyl phthalate	ND		180	54
120-82-1	1,2,4-Trichlorobenzene	ND		36	11
129-00-0	Pyrene	ND		36	11
121-14-2	2,4-Dinitrotoluene	ND		36	11
53-70-3	Dibenz(a,h)anthracene	ND		36	11
541-73-1	1,3-Dichlorobenzene	ND		36	11
98-95-3	Nitrobenzene	ND		36	11
91-20-3	Naphthalene	ND		36	11
88-06-2	2,4,6-Trichlorophenol	ND		36	15
87-86-5	Pentachlorophenol	ND		36	11
206-44-0	Fluoranthene	ND		36	11
91-94-1	3,3'-Dichlorobenzidine	ND		72	13
101-55-3	4-Bromophenyl phenyl ether	ND		36	11

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30106-1

SDG No.:

Client Sample ID: OC-SB-517-0.0/1.0-XXX | Lab Sample ID: 480-30106-13

Matrix: Solid | Lab File ID: X3180.D

Analysis Method: 8270D | Date Collected: 12/12/2012 12:15

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

Sample wt/vol: 000030.4(g) | Date Analyzed: 12/19/2012 21:54

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

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

% Moisture: 9.0 | 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		36	12
95-48-7	2-Methylphenol	ND		36	11
95-50-1	1,2-Dichlorobenzene	ND		36	11
108-60-1	2,2'-oxybis[1-chloropropane]	ND		36	11
98-86-2	Acetophenone	ND		36	11
111-44-4	Bis(2-chloroethyl)ether	ND		36	11
56-55-3	Benzo[a]anthracene	ND		36	11
193-39-5	Indeno[1,2,3-cd]pyrene	ND		36	11
85-68-7	Butyl benzyl phthalate	ND		36	11
218-01-9	Chrysene	ND		36	11
83-32-9	Acenaphthene	ND		36	11
205-99-2	Benzo[b]fluoranthene	ND		36	11
100-02-7	4-Nitrophenol	ND	*	180	15
106-47-8	4-Chloroaniline	ND	*	72	33
95-57-8	2-Chlorophenol	ND		36	11
606-20-2	2,6-Dinitrotoluene	ND	*	36	30
108-95-2	Phenol	ND		36	11
15831-10-4	3 & 4 Methylphenol	ND		36	11
106-46-7	1,4-Dichlorobenzene	ND		36	11
111-91-1	Bis(2-chloroethoxy)methane	ND		36	11
91-58-7	2-Chloronaphthalene	ND		36	11
621-64-7	N-Nitrosodi-n-propylamine	ND		36	11
7005-72-3	4-Chlorophenyl phenyl ether	ND		36	11
59-50-7	4-Chloro-3-methylphenol	ND		72	11
50-32-8	Benzo[a]pyrene	ND		36	11
106-44-5	4-Methylphenol	ND		36	11
100-01-6	4-Nitroaniline	ND		180	30
88-74-4	2-Nitroaniline	ND		180	46
105-60-2	Caprolactam	ND		36	11
86-74-8	Carbazole	ND		36	11
534-52-1	4,6-Dinitro-2-methylphenol	ND		180	35
90-12-0	1-Methylnaphthalene	ND		36	11
86-30-6	N-Nitrosodiphenylamine	ND		36	11
1912-24-9	Atrazine	ND		36	11

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30106-1

SDG No.:

Client Sample ID: OC-SB-517-0.0/1.0-XXX | Lab Sample ID: 480-30106-13

Matrix: Solid | Lab File ID: X3180.D

Analysis Method: 8270D | Date Collected: 12/12/2012 12:15

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

Sample wt/vol: 000030.4(g) | Date Analyzed: 12/19/2012 21:54

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

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

% Moisture: 9.0 | 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		36	11
100-52-7	Benzaldehyde	ND		36	11
103-33-3	Azobenzene	ND		36	11
77-47-4	Hexachlorocyclopentadiene	ND		72	11
99-09-2	3-Nitroaniline	ND		180	11
62-75-9	N-Nitrosodimethylamine	ND		36	11
100-51-6	Benzyl alcohol	ND		72	11
92-52-4	1,1'-Biphenyl	ND		36	11
58-90-2	2,3,4,6-Tetrachlorophenol	ND		36	11
119-61-9	Benzophenone	ND		36	11
65-85-0	Benzoic acid	ND		180	16
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		36	11

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	59		30-130
367-12-4	2-Fluorophenol	60		30-130
4165-60-0	Nitrobenzene-d5	65		30-130
4165-62-2	Phenol-d5	62		30-130
321-60-8	2-Fluorobiphenyl	78		30-130
1718-51-0	p-Terphenyl-d14	61		30-130

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

Lab Name: TestAmerica Buffalo Job No.: 480-30106-1

SDG No.:

Client Sample ID: OC-SB-517-0.0/1.0-XXX Lab Sample ID: 480-30106-13

Matrix: Solid Lab File ID: X3180.D

Analysis Method: 8270D Date Collected: 12/12/2012 12:15

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

Sample wt/vol: 000030.4(g) Date Analyzed: 12/19/2012 21:54

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

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

% Moisture: 9.0 GPC Cleanup:(Y/N) N

Analysis Batch No.: 96568 Units: ug/Kg

Number TICs Found: 3 TIC Result Total: 3510

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	4.19	3000	T J
149-57-5	Hexanoic acid, 2-ethyl-	7.67	230	T J N
	Unknown	9.60	280	T J

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3180.D		
Lims ID:	480-30106-B-13-B	Client ID:	OC-SB-517-0.0/1.0-XXX
Inject. Date:	19-Dec-2012 21:54:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-0017692-027		
Misc. Info.:			
Operator:	ANM	Instrument ID:	HP5973X
Injection Vol:	1.0 ul	ALS Bottle#:	28
Lims Batch ID:	96568	Lims Sample ID:	27
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 09:46:24

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.551	6.546	0.005	89	215541	5.00	
* 2 Naphthalene-d8	136	8.448	8.482	-0.034	97	797394	5.00	
* 3 Acenaphthene-d10	164	11.097	11.107	-0.010	87	474740	5.00	
* 4 Phenanthrene-d10	188	13.114	13.104	0.010	96	655237	5.00	
* 5 Chrysene-d12	240	15.748	15.753	-0.005	93	717019	5.00	
* 6 Perylene-d12	264	17.027	17.037	-0.010	97	477801	5.00	M
$ 7 2-Fluorophenol	112	4.687	4.620	0.067	51	58764	1.20	
$ 8 Phenol-d5	99	6.123	6.056	0.067	83	73815	1.24	M
$ 9 Nitrobenzene-d5	82	7.402	7.407	-0.005	80	77236	1.29	M
$ 10 2-Fluorobiphenyl	172	10.118	10.122	-0.004	85	186678	1.57	M
$ 11 2,4,6-Tribromophenol	330	12.286	12.257	0.029	0	14145	1.17	M
$ 12 p-Terphenyl-d14	244	14.783	14.778	0.005	94	169138	1.22	
19 N-Nitrosodimethylamine	42		2.718					
21 Benzaldehyde	77		5.895					
23 Aniline	93		6.066					
22 Phenol	94		6.075					9
24 Bis(2-chloroethyl)ether	93		6.170					19
25 2-Chlorophenol	128		6.237					
26 1,3-Dichlorobenzene	146		6.456					
27 1,4-Dichlorobenzene	146		6.575					9
29 1,2-Dichlorobenzene	146		6.798					9
28 Benzyl alcohol	108		6.803					149
31 2-Methylphenol	108		6.988					
32 2,2'-oxybis[1-chloropropane]	45		6.998					
33 Acetophenone	105		7.179					
34 N-Nitrosodi-n-propylamine	70		7.193					1
35 DFTPP								
36 4-Methylphenol	108		7.245					9
37 Hexachloroethane	117		7.302					1
38 Nitrobenzene	77		7.435					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
40 Isophorone	82		7.806					
41 2-Nitrophenol	139		7.925					
43 2,4-Dimethylphenol	107		8.039					
45 Bis(2-chloroethoxy)methane	93		8.163					
44 Benzoic acid	105		8.220					149
47 2,4-Dichlorophenol	162		8.315					
48 1,2,4-Trichlorobenzene	180		8.405					
49 Naphthalene	128		8.515					9
51 4-Chloroaniline	127		8.643					1
52 Hexachlorobutadiene	225		8.715					
54 Caprolactam	113		9.185					
55 4-Chloro-3-methylphenol	107		9.442					
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					19
61 2,4,5-Trichlorophenol	196		10.103					19
62 1,1'-Biphenyl	154		10.265					
63 2-Chloronaphthalene	162		10.312					
64 Phenyl ether	170		10.427					
65 2-Nitroaniline	65		10.484					
67 Dimethyl phthalate	163		10.764					
68 2,6-Dinitrotoluene	165		10.850					19
69 Acenaphthylene	152		10.893					
70 3-Nitroaniline	138		11.111					
71 Acenaphthene	153		11.154					9
72 2,4-Dinitrophenol	184		11.283					
73 Dibenzofuran	168		11.416					
74 2,4-Dinitrotoluene	165		11.459					
75 4-Nitrophenol	109		11.487					
76 2,3,4,6-Tetrachlorophenol	232		11.635					19
78 Diethyl phthalate	149		11.810					9
79 Fluorene	166		11.915					
80 4-Chlorophenyl phenyl ether	204		11.934					149
81 4-Nitroaniline	138		12.015					
82 4,6-Dinitro-2-methylphenol	198		12.043					
83 N-Nitrosodiphenylamine	169	12.129	12.105	0.024	64	25256	0.1657	
16 1,2-Diphenylhydrazine	77		12.148					
85 Azobenzene	77		12.148					
86 Benzophenone	105		12.172					
89 4-Bromophenyl phenyl ether	248		12.571					149
91 Hexachlorobenzene	284		12.633					
93 Atrazine	200		12.823					9
94 Pentachlorophenol	266		12.904					9
97 Phenanthrene	178		13.128					
98 Anthracene	178		13.190					
99 Carbazole	167		13.399					
102 Di-n-butyl phthalate	149		13.784					
104 Fluoranthene	202		14.407					
106 Pyrene	202	14.645	14.631	0.015	70	19484	0.1014	
108 Butyl benzyl phthalate	149		15.230					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
109 3,3'-Dichlorobenzidine	252		15.724					
110 Bis(2-ethylhexyl) phthalate	149	15.734	15.729	0.005	25	11812985	80.8	E
111 Benzo[a]anthracene	228		15.743					9
112 Chrysene	228		15.777					9
113 Di-n-octyl phthalate	149		16.266					9
114 Benzo[b]fluoranthene	252		16.680					9
115 Benzo[k]fluoranthene	252		16.704					9
116 Benzo[a]pyrene	252		16.985					
117 Indeno[1,2,3-cd]pyrene	276		18.126					9
118 Dibenz(a,h)anthracene	278		18.126					9
119 Benzo[g,h,i]perylene	276		18.444					
S 120 3 & 4 Methylphenol	108		0.000					

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\20121219-17692.b\X3180.D		
Lims ID:	480-30106-B-13-B	Client ID:	OC-SB-517-0.0/1.0-XXX
Inject. Date:	19-Dec-2012 21:54:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-0017692-027		
Misc. Info.:			
Operator:	ANM	Instrument ID:	HP5973X
Injection Vol:	1.0 ul	ALS Bottle#:	28
Lims Batch ID:	96568	Lims Sample ID:	27
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 09:46:24

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ng/uL	Flags
1,4-Dioxane	2.404	1332		
Pyridine	2.794	1403	0.0351	
1,4-Dinitrobenzene	10.703	709		
Diphenylamine	12.129	25256	0.1656	
Benzidine	14.521	1265	0.0160	

Tentative Identified Compound Results

RT	Response	Amount ng/uL	Quant Cpnd	Qual	Lib Entry	Flags
		Unknown				
4.192	26138963	82.3	1			
	149-57-5	Hexanoic acid, 2-ethyl-				
7.673	2254475	6.25	2	91	26240	
		Unknown				
9.604	2755406	7.64	2			

Quantitation Compounds

Compound	RT	Response	Amount ng/uL
* 1 1,4-Dichlorobenzene-d4	6.551	1588182	5.00
* 2 Naphthalene-d8	8.448	1802678	5.00

QC Flag Legend

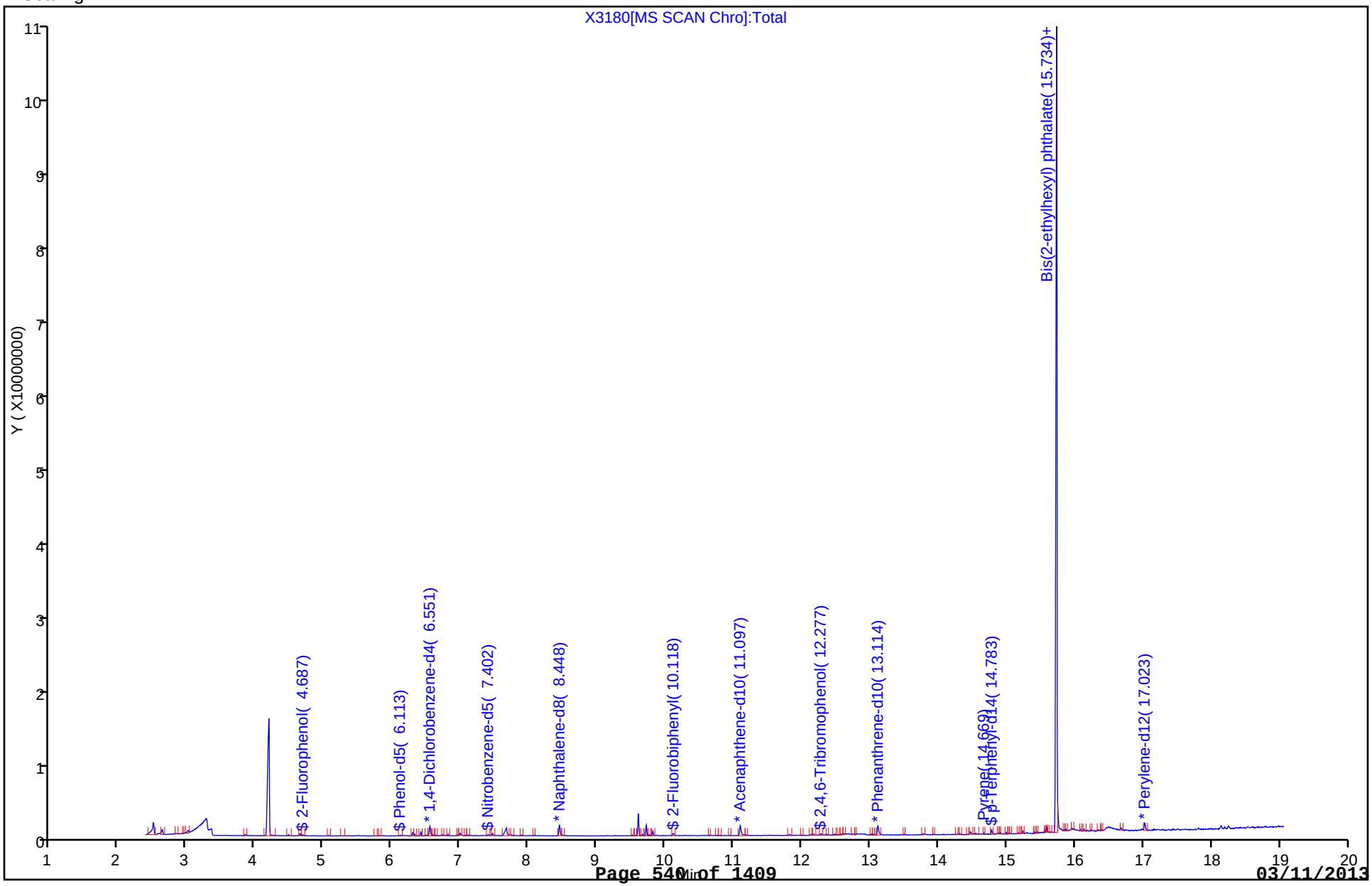
Processing Flags

Report Date: 09-Mar-2013 09:48:37 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3180.D		
Injection Date:	19-Dec-2012 21:54:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-517-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	27
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:

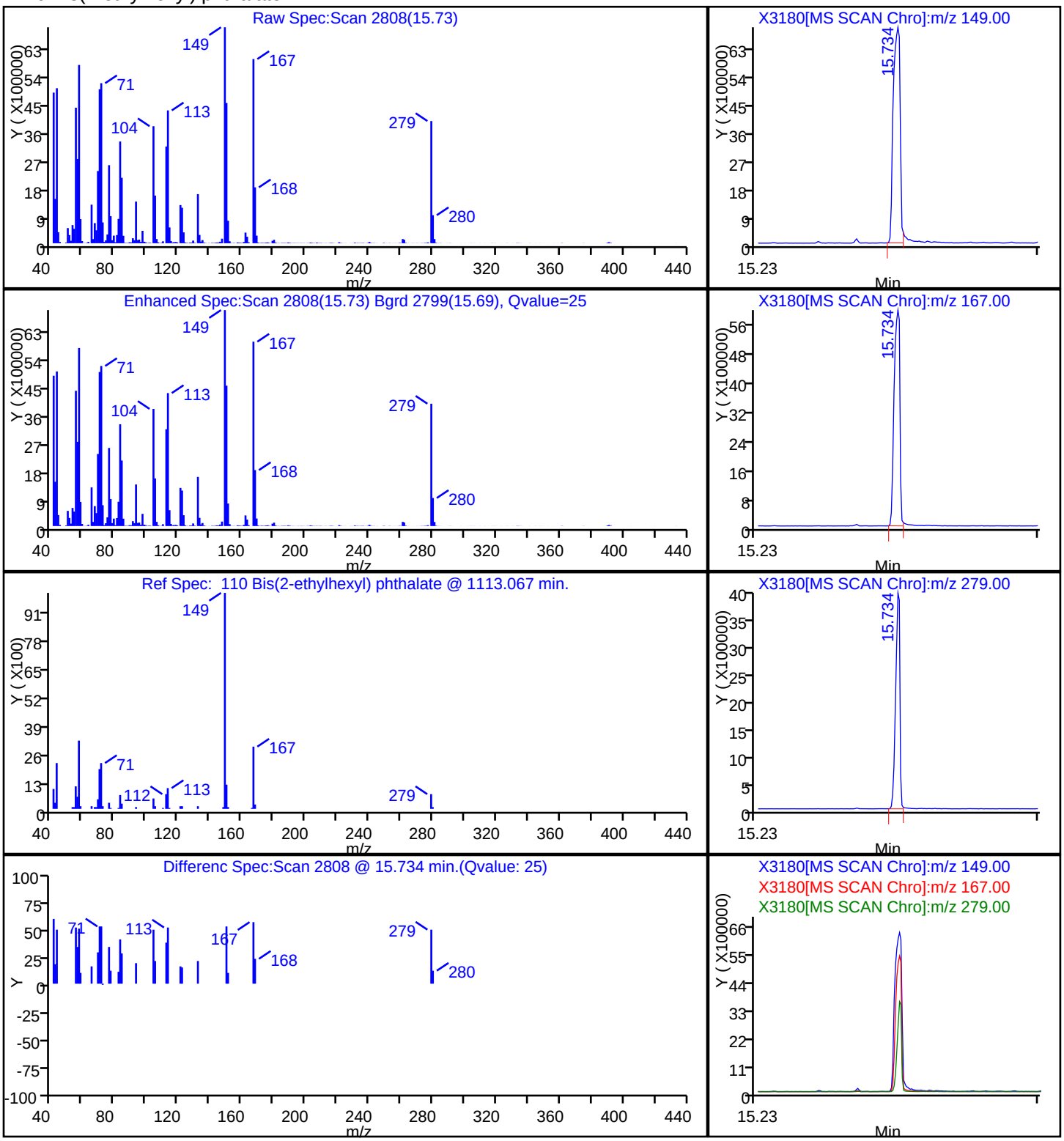


Report Date: 09-Mar-2013 09:48:38 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3180.D		
Injection Date:	19-Dec-2012 21:54:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-517-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	27
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

110 Bis(2-ethylhexyl) phthalate



Manual Integration/User Assign Peak Report

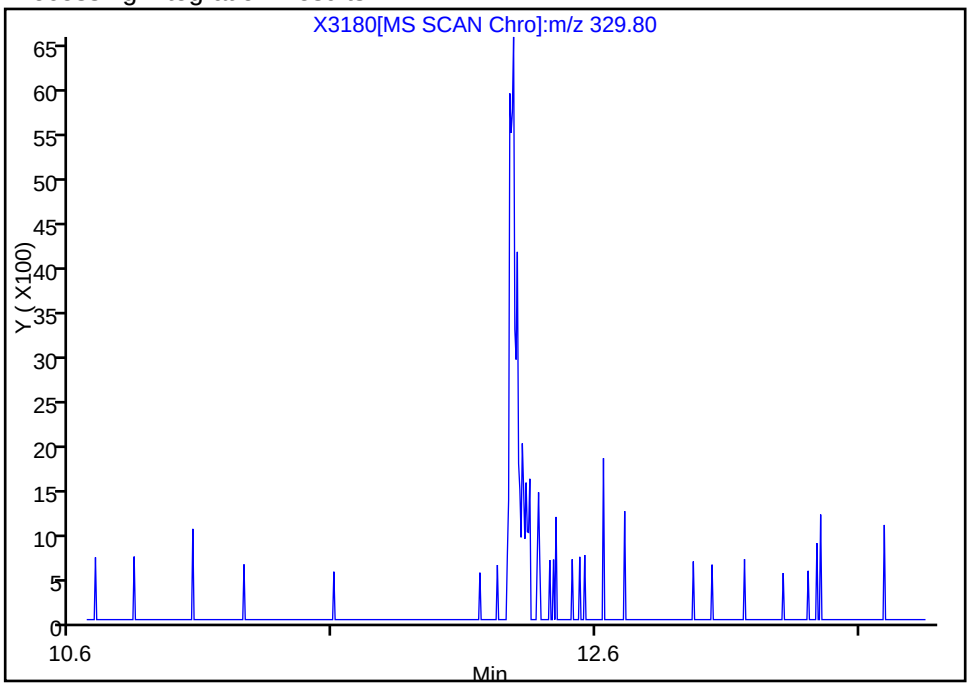
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3180.D		
Injection Date:	19-Dec-2012 21:54:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-517-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	27
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

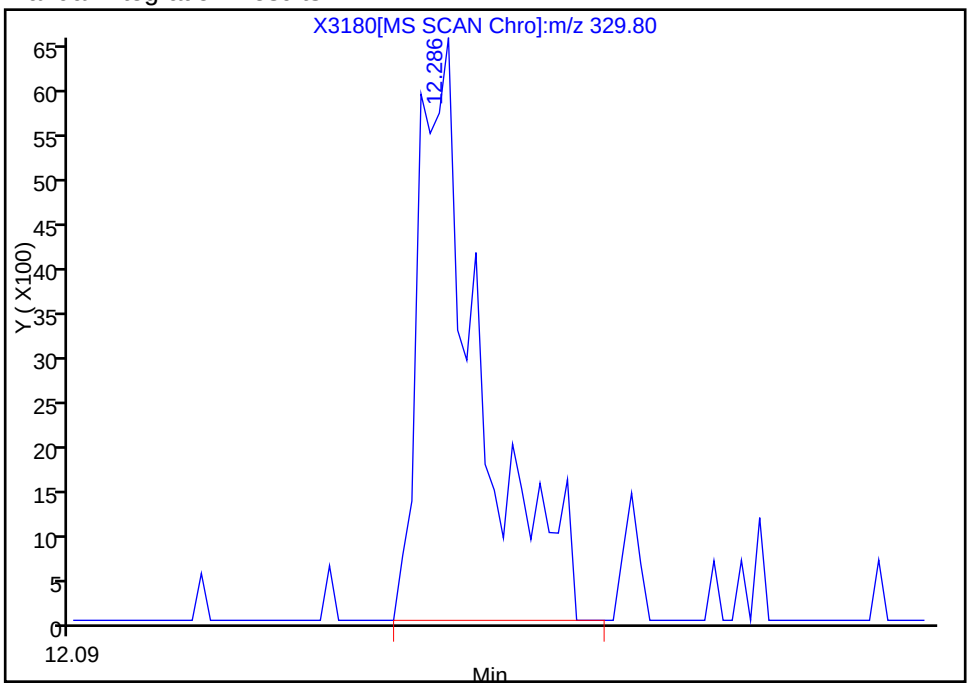
Processing Integration Results

Not Detected
Expected RT: 12.26



Manual Integration Results

RT: 12.29
Response: 14145
Amount: 1.173491



Reviewer: mckernar, 20-Dec-2012 09:46:24
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

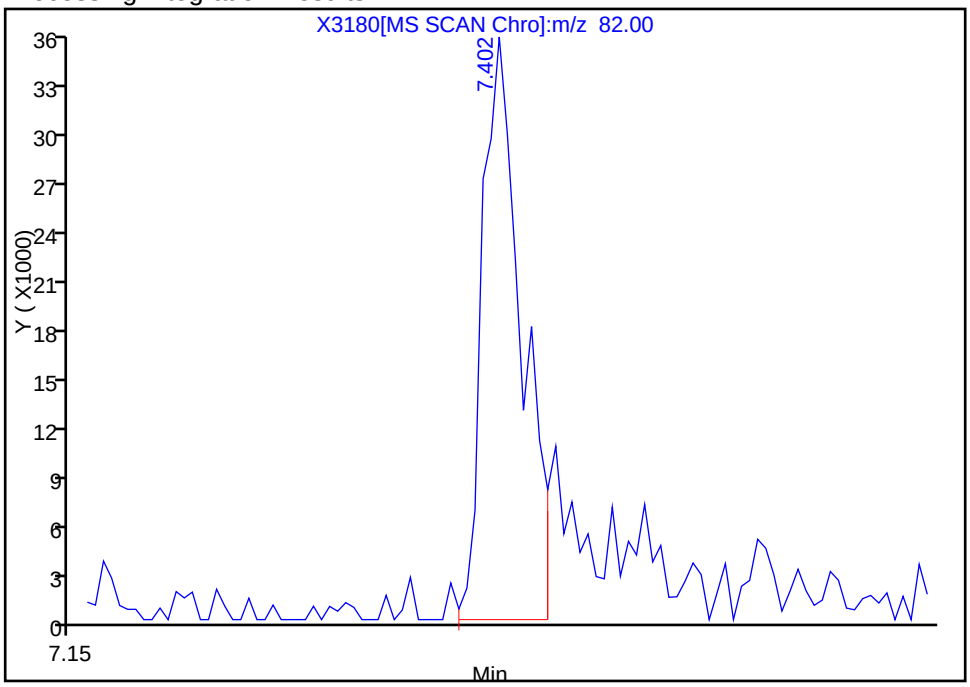
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3180.D		
Injection Date:	19-Dec-2012 21:54:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-517-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	27
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: 7.41

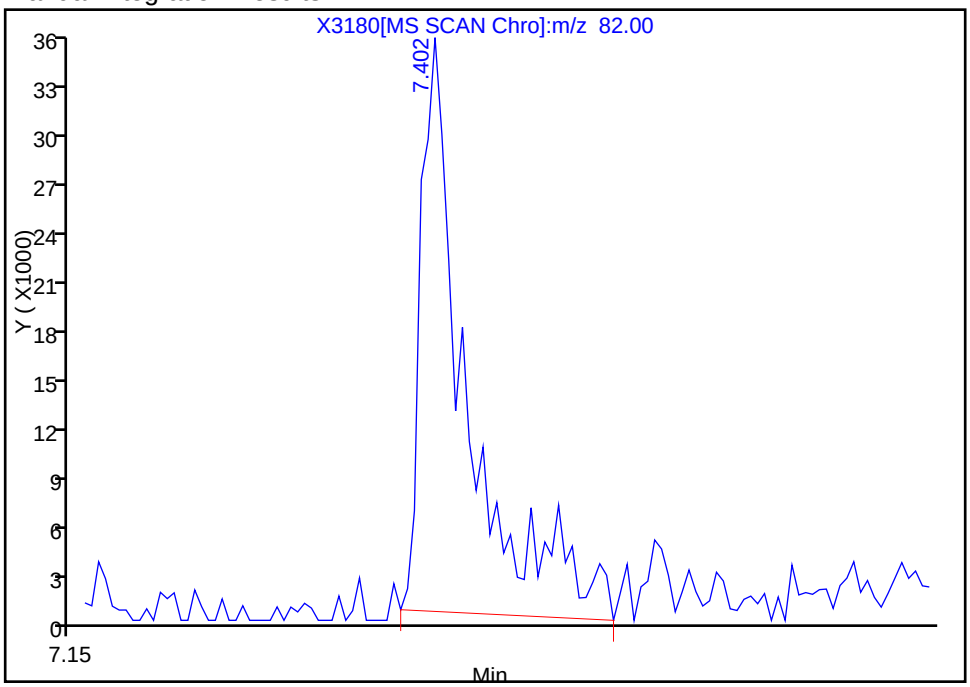
Processing Integration Results

RT: 7.40
Response: 57024
Amount: 0.851428



Manual Integration Results

RT: 7.40
Response: 77236
Amount: 1.291898



Reviewer: mckernar, 20-Dec-2012 09:46:24
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

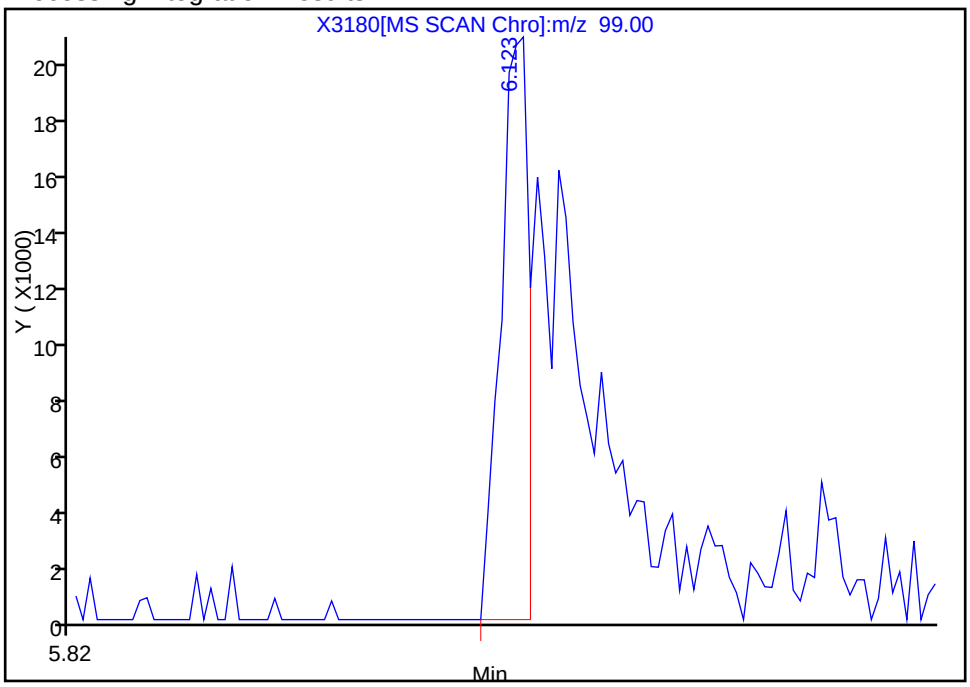
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3180.D		
Injection Date:	19-Dec-2012 21:54:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-517-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	27
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

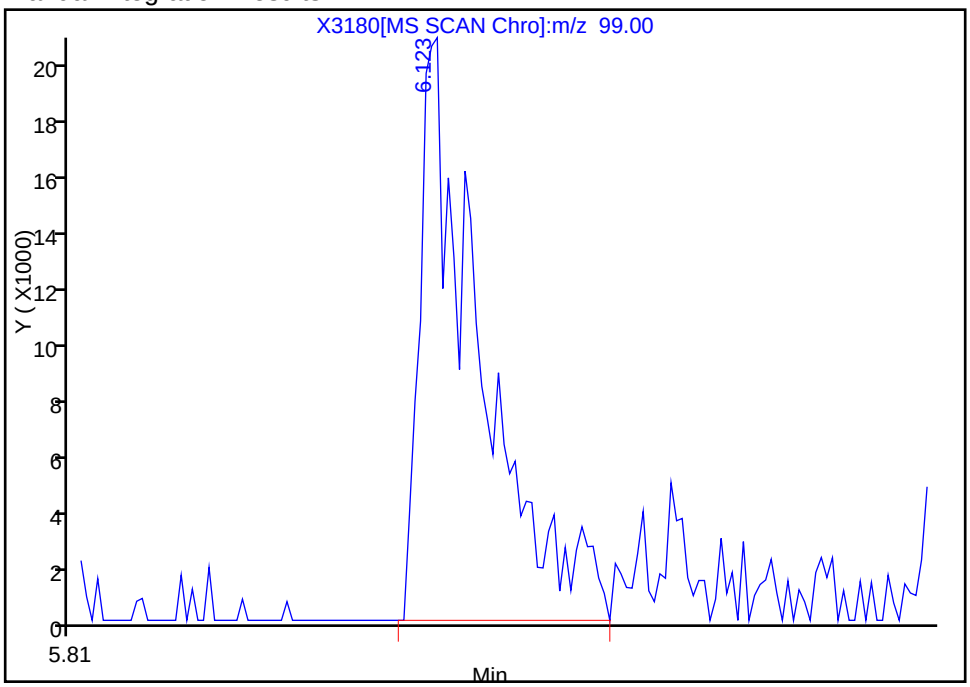
Processing Integration Results

RT: 6.12
Response: 26709
Amount: 0.416896



Manual Integration Results

RT: 6.12
Response: 73815
Amount: 1.239939



Reviewer: mckernar, 20-Dec-2012 09:46:24
Audit Action: Manually Integrated
Audit Reason: Peak Tail

Manual Integration/User Assign Peak Report

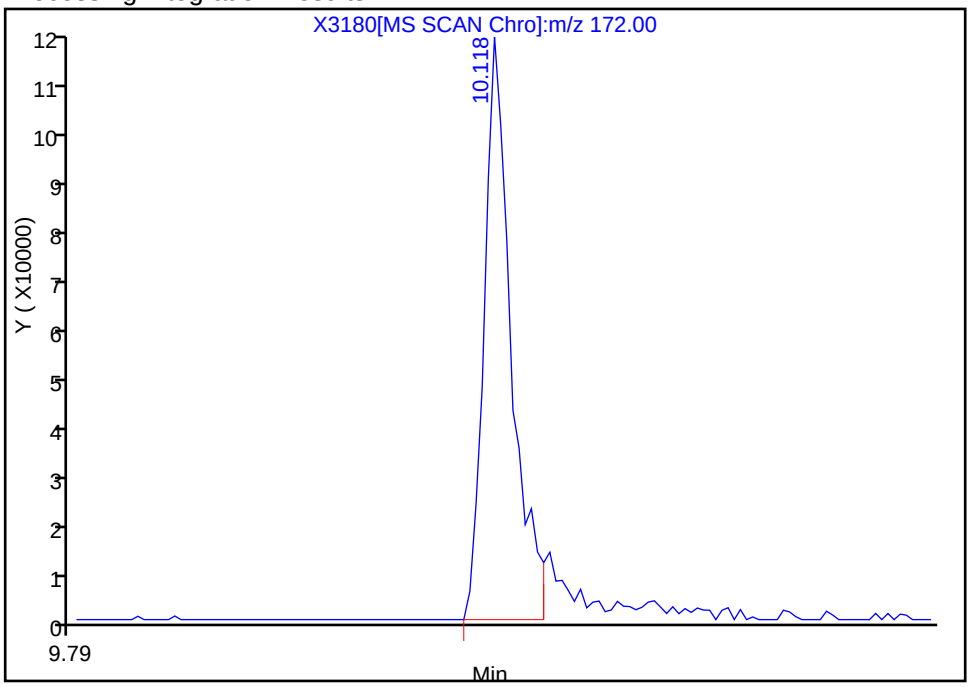
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3180.D		
Injection Date:	19-Dec-2012 21:54:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-517-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	27
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

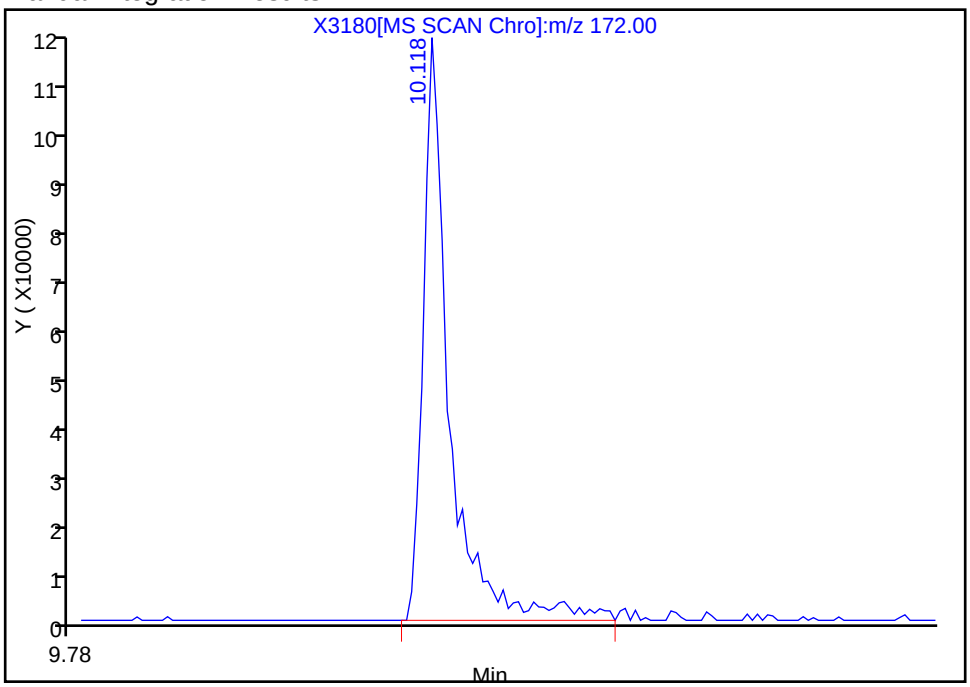
Processing Integration Results

RT: 10.12
Response: 160934
Amount: 1.228157



Manual Integration Results

RT: 10.12
Response: 186678
Amount: 1.566837



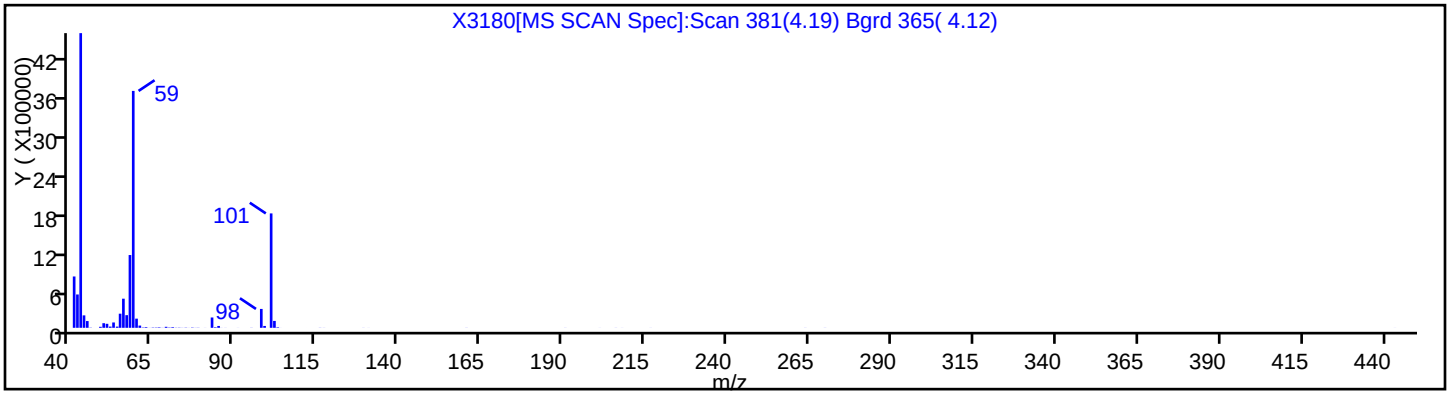
Reviewer: mckernar, 20-Dec-2012 09:46:24
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 09-Mar-2013 09:48:38 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3180.D		
Injection Date:	19-Dec-2012 21:54:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-517-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	27
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

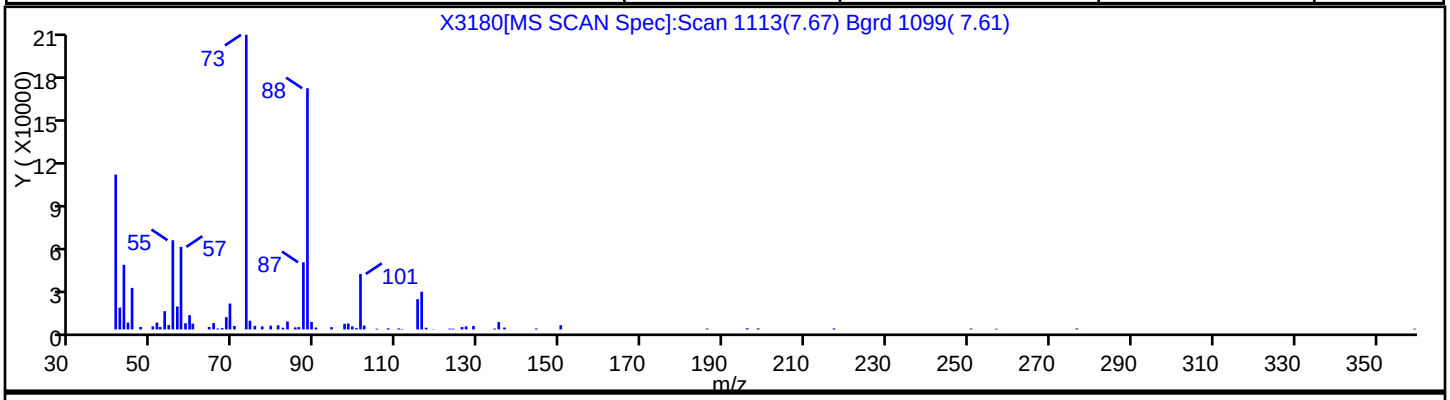


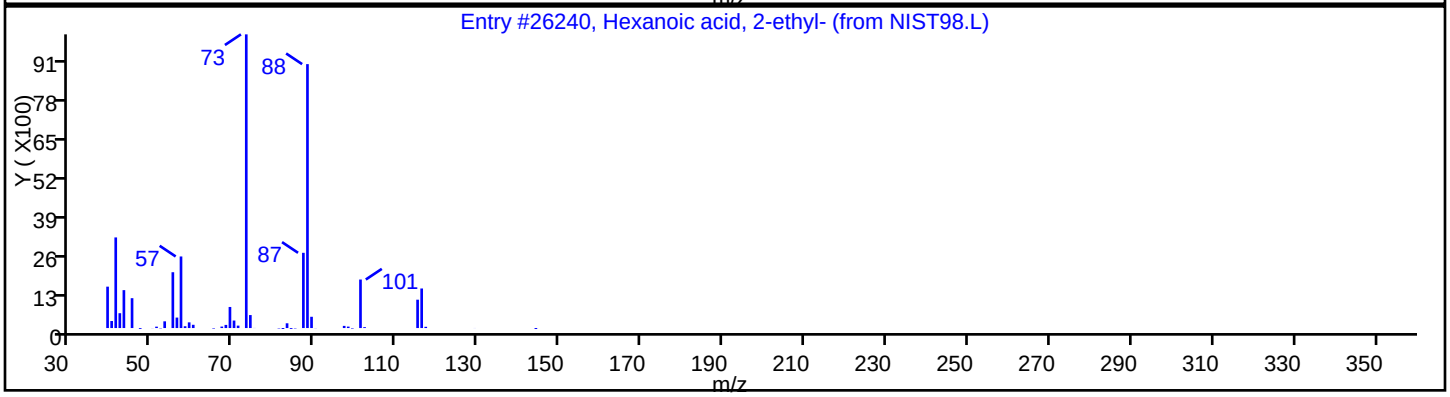
Report Date: 09-Mar-2013 09:48:38 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3180.D		
Injection Date:	19-Dec-2012 21:54:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-517-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	27
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
Hexanoic acid, 2-ethyl-	149-57-5	NIST98.L	26240	91



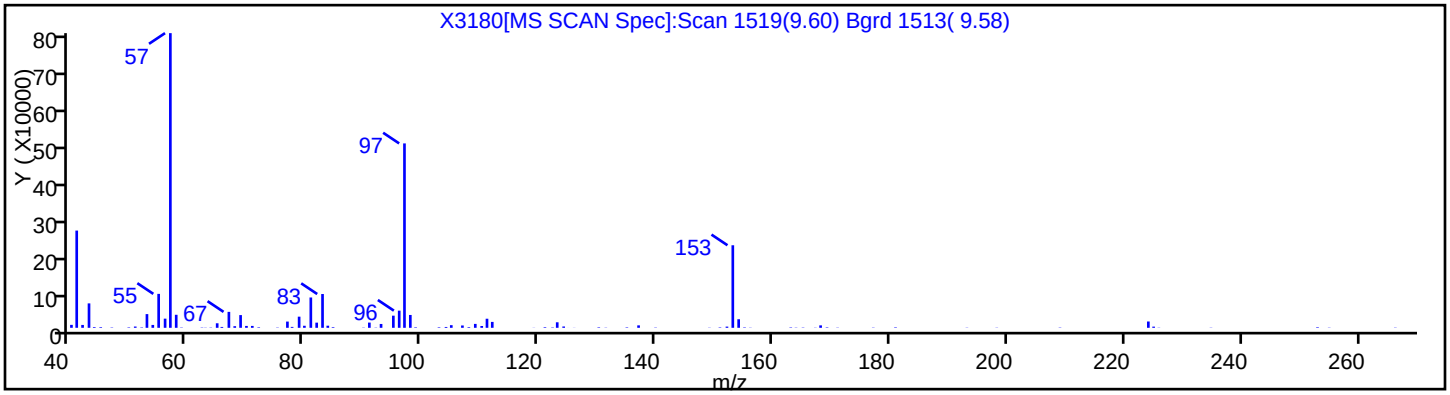


Report Date: 09-Mar-2013 09:48:38 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3180.D		
Injection Date:	19-Dec-2012 21:54:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-517-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	27
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.: 480-30106-1

SDG No.:

Client Sample ID: OC-SB-517-0.0/1.0-XXX DL | Lab Sample ID: 480-30106-13 DL

Matrix: Solid | Lab File ID: X3201.D

Analysis Method: 8270D | Date Collected: 12/12/2012 12:15

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

Sample wt/vol: 000030.4(g) | Date Analyzed: 12/20/2012 14:51

Con. Extract Vol.: 1(mL) | Dilution Factor: 20

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

% Moisture: 9.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 96803 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
117-81-7	Bis(2-ethylhexyl) phthalate	12000		3600	1500
95-95-4	2,4,5-Trichlorophenol	ND		720	240
62-53-3	Aniline	ND		720	220
67-72-1	Hexachloroethane	ND		720	220
131-11-3	Dimethyl phthalate	ND		720	220
105-67-9	2,4-Dimethylphenol	ND	*	720	220
78-59-1	Isophorone	ND		720	220
86-73-7	Fluorene	ND		720	220
132-64-9	Dibenzofuran	ND		720	220
208-96-8	Acenaphthylene	ND		720	220
120-83-2	2,4-Dichlorophenol	ND		720	220
191-24-2	Benzo[g,h,i]perylene	ND		720	220
118-74-1	Hexachlorobenzene	ND		720	220
117-84-0	Di-n-octyl phthalate	ND		720	220
87-68-3	Hexachlorobutadiene	ND		720	220
85-01-8	Phenanthrene	ND		720	220
88-75-5	2-Nitrophenol	ND	*	720	280
207-08-9	Benzo[k]fluoranthene	ND		720	370
51-28-5	2,4-Dinitrophenol	ND	*	720	590
120-12-7	Anthracene	ND		720	220
91-57-6	2-Methylnaphthalene	ND		720	220
84-74-2	Di-n-butyl phthalate	ND		3600	1100
120-82-1	1,2,4-Trichlorobenzene	ND		720	220
129-00-0	Pyrene	ND		720	220
121-14-2	2,4-Dinitrotoluene	ND		720	220
53-70-3	Dibenz(a,h)anthracene	ND		720	220
541-73-1	1,3-Dichlorobenzene	ND		720	220
98-95-3	Nitrobenzene	ND		720	220
91-20-3	Naphthalene	ND		720	220
88-06-2	2,4,6-Trichlorophenol	ND		720	300
87-86-5	Pentachlorophenol	ND		720	220
206-44-0	Fluoranthene	ND		720	220
91-94-1	3,3'-Dichlorobenzidine	ND		1400	260
101-55-3	4-Bromophenyl phenyl ether	ND		720	220

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30106-1

SDG No.:

Client Sample ID: OC-SB-517-0.0/1.0-XXX DL | Lab Sample ID: 480-30106-13 DL

Matrix: Solid | Lab File ID: X3201.D

Analysis Method: 8270D | Date Collected: 12/12/2012 12:15

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

Sample wt/vol: 000030.4(g) | Date Analyzed: 12/20/2012 14:51

Con. Extract Vol.: 1(mL) | Dilution Factor: 20

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

% Moisture: 9.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 96803 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
84-66-2	Diethyl phthalate	ND		720	240
95-48-7	2-Methylphenol	ND		720	220
95-50-1	1,2-Dichlorobenzene	ND		720	220
108-60-1	2,2'-oxybis[1-chloropropane]	ND		720	220
98-86-2	Acetophenone	ND		720	220
111-44-4	Bis(2-chloroethyl)ether	ND		720	220
56-55-3	Benzo[a]anthracene	ND		720	220
193-39-5	Indeno[1,2,3-cd]pyrene	ND		720	220
85-68-7	Butyl benzyl phthalate	ND		720	220
218-01-9	Chrysene	ND		720	220
83-32-9	Acenaphthene	ND		720	220
205-99-2	Benzo[b]fluoranthene	ND		720	220
100-02-7	4-Nitrophenol	ND	*	3600	300
106-47-8	4-Chloroaniline	ND	*	1400	650
95-57-8	2-Chlorophenol	ND		720	220
606-20-2	2,6-Dinitrotoluene	ND	*	720	610
108-95-2	Phenol	ND		720	220
15831-10-4	3 & 4 Methylphenol	ND		720	220
106-46-7	1,4-Dichlorobenzene	ND		720	220
111-91-1	Bis(2-chloroethoxy)methane	ND		720	220
91-58-7	2-Chloronaphthalene	ND		720	220
621-64-7	N-Nitrosodi-n-propylamine	ND		720	220
7005-72-3	4-Chlorophenyl phenyl ether	ND		720	220
59-50-7	4-Chloro-3-methylphenol	ND		1400	220
50-32-8	Benzo[a]pyrene	ND		720	220
106-44-5	4-Methylphenol	ND		720	220
100-01-6	4-Nitroaniline	ND		3600	610
88-74-4	2-Nitroaniline	ND		3600	910
105-60-2	Caprolactam	ND		720	220
86-74-8	Carbazole	ND		720	220
534-52-1	4,6-Dinitro-2-methylphenol	ND		3600	690
90-12-0	1-Methylnaphthalene	ND		720	220
86-30-6	N-Nitrosodiphenylamine	ND		720	220
1912-24-9	Atrazine	ND		720	220

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30106-1

SDG No.:

Client Sample ID: OC-SB-517-0.0/1.0-XXX DL | Lab Sample ID: 480-30106-13 DL

Matrix: Solid | Lab File ID: X3201.D

Analysis Method: 8270D | Date Collected: 12/12/2012 12:15

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

Sample wt/vol: 000030.4(g) | Date Analyzed: 12/20/2012 14:51

Con. Extract Vol.: 1(mL) | Dilution Factor: 20

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

% Moisture: 9.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 96803 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
101-84-8	*Phenyl ether*	*ND*		*720*	*220*
100-52-7	*Benzaldehyde*	*ND*		*720*	*220*
103-33-3	*Azobenzene*	*ND*		*720*	*220*
77-47-4	*Hexachlorocyclopentadiene*	*ND*		*1400*	*220*
99-09-2	*3-Nitroaniline*	*ND*		*3600*	*220*
62-75-9	*N-Nitrosodimethylamine*	*ND*		*720*	*220*
100-51-6	*Benzyl alcohol*	*ND*		*1400*	*220*
92-52-4	*1,1'-Biphenyl*	*ND*		*720*	*220*
58-90-2	*2,3,4,6-Tetrachlorophenol*	*ND*		*720*	*220*
119-61-9	*Benzophenone*	*ND*		*720*	*220*
65-85-0	*Benzoic acid*	*ND*		*3600*	*330*

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	0	X	30-130
367-12-4	2-Fluorophenol	38		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.: 480-30106-1

SDG No.:

Client Sample ID: OC-SB-517-0.0/1.0-XXX DL Lab Sample ID: 480-30106-13 DL

Matrix: Solid Lab File ID: X3201.D

Analysis Method: 8270D Date Collected: 12/12/2012 12:15

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

Sample wt/vol: 000030.4(g) Date Analyzed: 12/20/2012 14:51

Con. Extract Vol.: 1(mL) Dilution Factor: 20

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

% Moisture: 9.0 GPC Cleanup:(Y/N) N

Analysis Batch No.: 96803 Units: ug/Kg

Number TICs Found: 1 TIC Result Total: 3700

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	4.15	3700	T J

FORM I-TIC 8270D

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3201.D		
Lims ID:	480-30106-B-13-B	Client ID:	OC-SB-517-0.0/1.0-XXX
Inject. Date:	20-Dec-2012 14:51:30	Dil. Factor:	20.0000
Sample Type:	Client		
Sample ID:	480-0017736-004		
Misc. Info.:			
Operator:	ANM	Instrument ID:	HP5973X
Injection Vol:	1.0 ul	ALS Bottle#:	13
Lims Batch ID:	96803	Lims Sample ID:	4
Detector:	MS SCAN		

Method:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X-8270LL.m		
Last Update:	09-Mar-2013 09:38:31	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 15:33:09

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	84	156145	5.00	
* 2 Naphthalene-d8	136	8.453	8.439	0.014	96	532930	5.00	
* 3 Acenaphthene-d10	164	11.121	11.064	0.057	91	396236	5.00	
* 4 Phenanthrene-d10	188	13.133	13.080	0.053	95	695667	5.00	
* 5 Chrysene-d12	240	15.763	15.734	0.029	93	625000	5.00	
* 6 Perylene-d12	264	17.042	17.013	0.029	97	598205	5.00	
$ 7 2-Fluorophenol	112	4.682	4.682	0.0	1	1330	0.0375	
$ 8 Phenol-d5	99		6.090					
$ 9 Nitrobenzene-d5	82		7.393					
$ 10 2-Fluorobiphenyl	172		10.075					9
$ 11 2,4,6-Tribromophenol	330		12.229					9
$ 12 p-Terphenyl-d14	244		14.759					9
19 N-Nitrosodimethylamine	42		2.766					14
21 Benzaldehyde	77		5.938					1
23 Aniline	93		6.104					19
22 Phenol	94		6.109					
24 Bis(2-chloroethyl)ether	93		6.204					
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					
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					19
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					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		7.892					
43 2,4-Dimethylphenol	107		8.001					
45 Bis(2-chloroethoxy)methane	93		8.125					149
44 Benzoic acid	105		8.177					149
47 2,4-Dichlorophenol	162		8.277					
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					9
54 Caprolactam	113		9.129					149
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					
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		10.384					149
65 2-Nitroaniline	65		10.436					
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					19
71 Acenaphthene	153		11.112					9
72 2,4-Dinitrophenol	184		11.240					
73 Dibenzofuran	168		11.378					
74 2,4-Dinitrotoluene	165		11.416					19
75 4-Nitrophenol	109		11.454					1
76 2,3,4,6-Tetrachlorophenol	232		11.597					
78 Diethyl phthalate	149		11.777					
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					
83 N-Nitrosodiphenylamine	169		12.077					19
85 Azobenzene	77		12.120					14
16 1,2-Diphenylhydrazine	77		12.120					14
86 Benzophenone	105		12.144					19
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					9
98 Anthracene	178		13.171					
99 Carbazole	167		13.380					1
102 Di-n-butyl phthalate	149		13.765					9
104 Fluoranthene	202		14.388					
106 Pyrene	202		14.607					9
108 Butyl benzyl phthalate	149		15.211					
109 3,3'-Dichlorobenzidine	252	15.710	15.705	0.005	1	377	0.006714	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
110 Bis(2-ethylhexyl) phthalate	149	15.729	15.710	0.019	95	2102326	16.5	
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					9
S 120 3 & 4 Methylphenol	108		0.000					

QC Flag Legend

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

TestAmerica Buffalo
Tentatively Identified Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3201.D		
Lims ID:	480-30106-B-13-B	Client ID:	OC-SB-517-0.0/1.0-XXX
Inject. Date:	20-Dec-2012 14:51:30	Dil. Factor:	20.0000
Sample Type:	Client		
Sample ID:	480-0017736-004		
Misc. Info.:			
Operator:	ANM	Instrument ID:	HP5973X
Injection Vol:	1.0 ul	ALS Bottle#:	13
Lims Batch ID:	96803	Lims Sample ID:	4
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X-8270LL.m		
Last Update:	09-Mar-2013 09:38:31	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 15:33:09

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ng/uL	Flags
1,4-Dioxane	2.423	1214		
Pyridine	2.880	144	0.004971	

Tentative Identified Compound Results

RT	Response	Amount ng/uL	Quant Cpnd	Qual	Lib Entry	Flags
	Unknown					
4.154	1214452	5.13	1			

Quantitation Compounds

Compound	RT	Response	Amount ng/uL
* 1 1,4-Dichlorobenzene-d4	6.551	1183817	5.00

QC Flag Legend

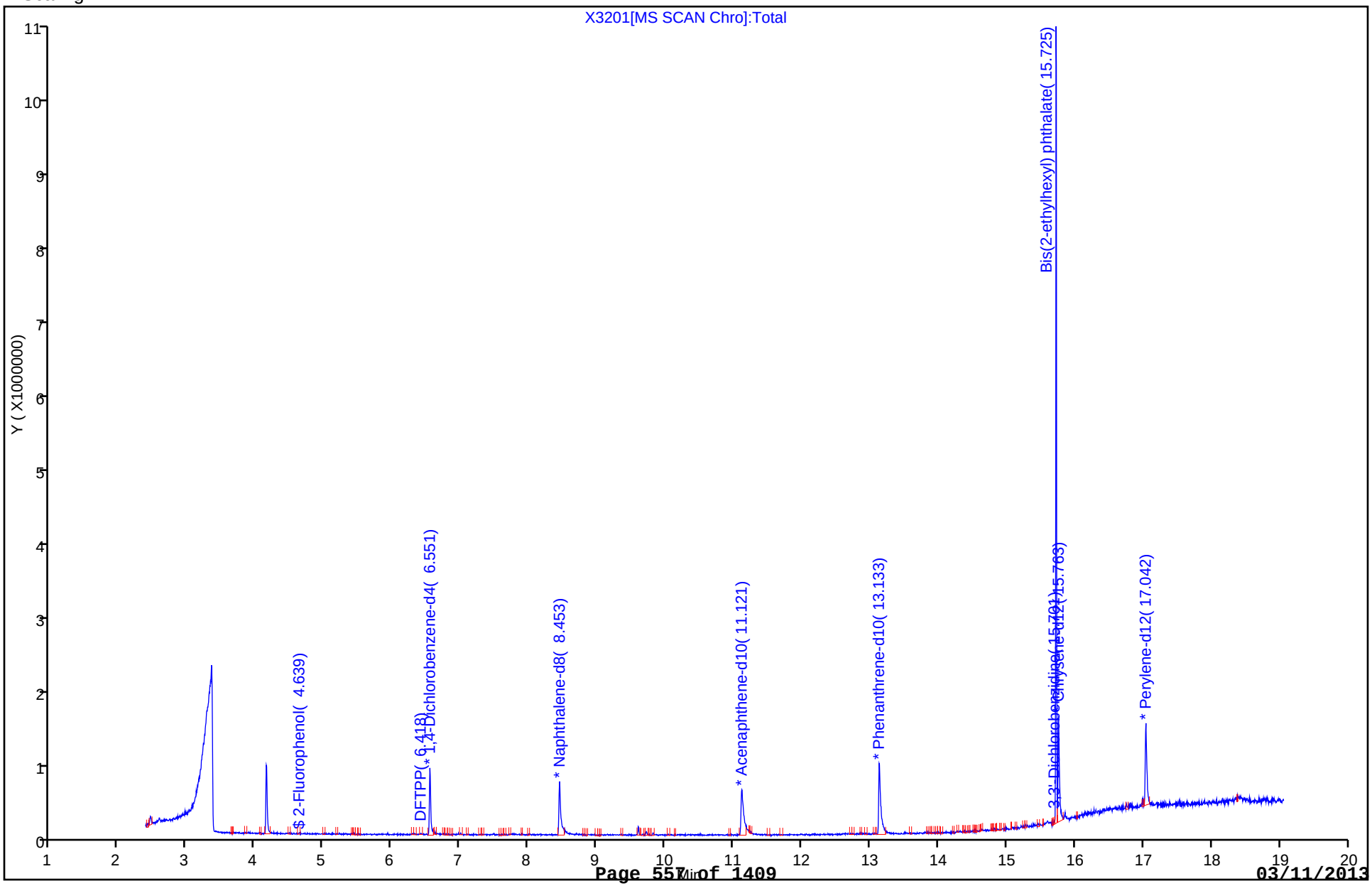
Processing Flags

Report Date: 09-Mar-2013 09:38:33 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3201.D		
Injection Date:	20-Dec-2012 14:51:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-517-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	4
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:

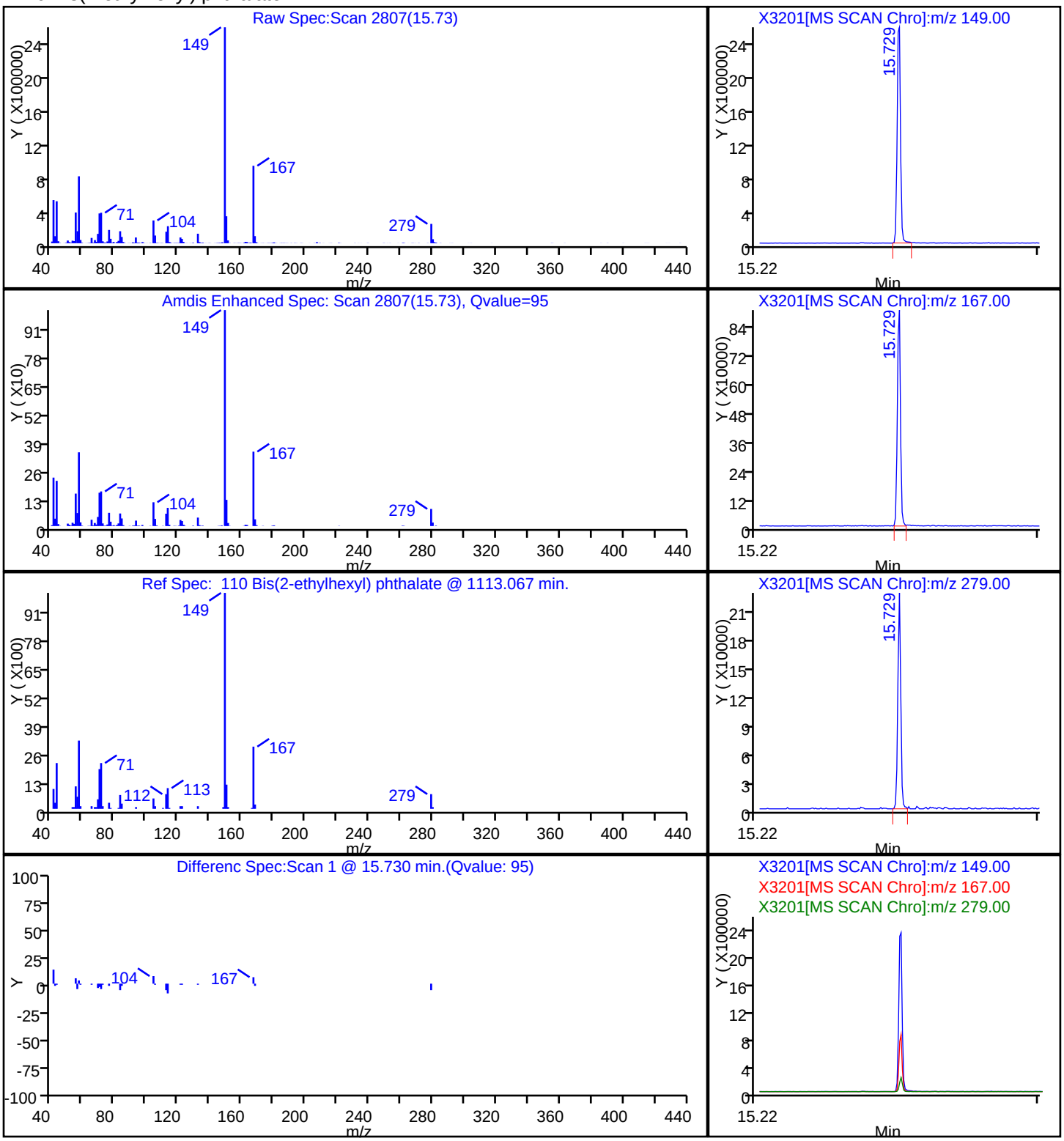


Report Date: 09-Mar-2013 09:38:33 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3201.D		
Injection Date:	20-Dec-2012 14:51:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-517-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	4
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

110 Bis(2-ethylhexyl) phthalate

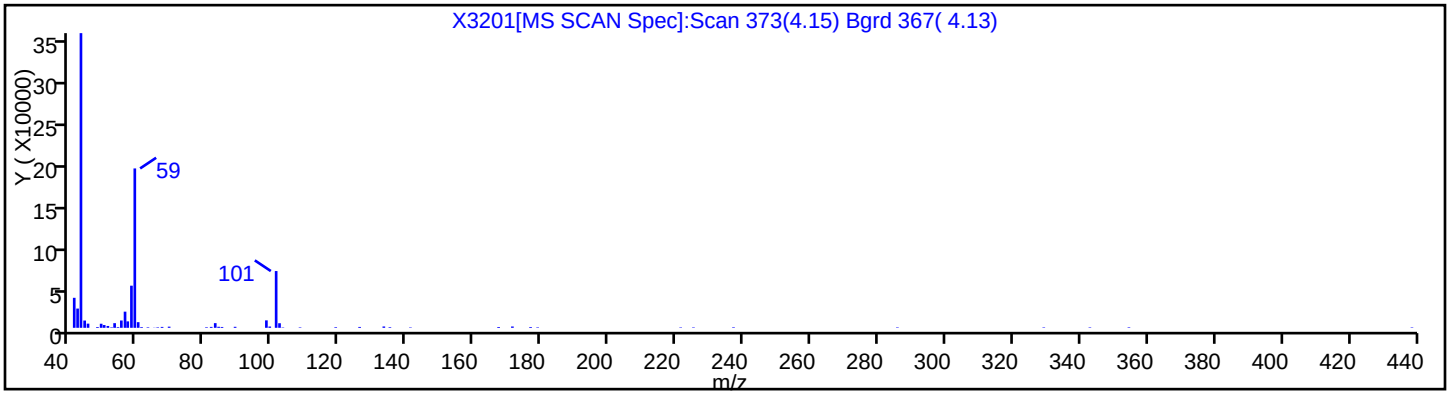


Report Date: 09-Mar-2013 09:38:33 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3201.D		
Injection Date:	20-Dec-2012 14:51:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-517-0.0/1.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	4
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30106-1

SDG No.:

Client Sample ID: OC-SB-517-6.0/8.0-XXX | Lab Sample ID: 480-30106-14

Matrix: Solid | Lab File ID: X3181.D

Analysis Method: 8270D | Date Collected: 12/12/2012 12:20

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

Sample wt/vol: 000030.2(g) | Date Analyzed: 12/19/2012 22:19

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

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

% Moisture: 9.9 | 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*	*1700*	*E*	*180*	*74*
95-95-4	2,4,5-Trichlorophenol	ND		37	12
62-53-3	Aniline	ND		37	11
67-72-1	Hexachloroethane	ND		37	11
131-11-3	Dimethyl phthalate	ND		37	11
105-67-9	2,4-Dimethylphenol	ND	*	37	11
78-59-1	Isophorone	ND		37	11
86-73-7	Fluorene	ND		37	11
132-64-9	Dibenzofuran	ND		37	11
208-96-8	Acenaphthylene	ND		37	11
120-83-2	2,4-Dichlorophenol	ND		37	11
191-24-2	Benzo[g,h,i]perylene	ND		37	11
118-74-1	Hexachlorobenzene	ND		37	11
117-84-0	Di-n-octyl phthalate	ND		37	11
87-68-3	Hexachlorobutadiene	ND		37	11
85-01-8	Phenanthrene	ND		37	11
88-75-5	2-Nitrophenol	ND	*	37	14
207-08-9	Benzo[k]fluoranthene	ND		37	19
51-28-5	2,4-Dinitrophenol	ND	*	37	30
120-12-7	Anthracene	ND		37	11
91-57-6	2-Methylnaphthalene	ND		37	11
84-74-2	Di-n-butyl phthalate	ND		180	55
120-82-1	1,2,4-Trichlorobenzene	ND		37	11
129-00-0	Pyrene	ND		37	11
121-14-2	2,4-Dinitrotoluene	ND		37	11
53-70-3	Dibenz(a,h)anthracene	ND		37	11
541-73-1	1,3-Dichlorobenzene	ND		37	11
98-95-3	Nitrobenzene	ND		37	11
91-20-3	Naphthalene	ND		37	11
88-06-2	2,4,6-Trichlorophenol	ND		37	15
87-86-5	Pentachlorophenol	ND		37	11
206-44-0	Fluoranthene	ND		37	11
91-94-1	3,3'-Dichlorobenzidine	ND		74	13
101-55-3	4-Bromophenyl phenyl ether	ND		37	11

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30106-1

SDG No.:

Client Sample ID: OC-SB-517-6.0/8.0-XXX | Lab Sample ID: 480-30106-14

Matrix: Solid | Lab File ID: X3181.D

Analysis Method: 8270D | Date Collected: 12/12/2012 12:20

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

Sample wt/vol: 000030.2(g) | Date Analyzed: 12/19/2012 22:19

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

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

% Moisture: 9.9 | 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		37	12
95-48-7	2-Methylphenol	ND		37	11
95-50-1	1,2-Dichlorobenzene	ND		37	11
108-60-1	2,2'-oxybis[1-chloropropane]	ND		37	11
98-86-2	Acetophenone	ND		37	11
111-44-4	Bis(2-chloroethyl)ether	ND		37	11
56-55-3	Benzo[a]anthracene	ND		37	11
193-39-5	Indeno[1,2,3-cd]pyrene	ND		37	11
85-68-7	Butyl benzyl phthalate	ND		37	11
218-01-9	Chrysene	ND		37	11
83-32-9	Acenaphthene	ND		37	11
205-99-2	Benzo[b]fluoranthene	ND		37	11
100-02-7	4-Nitrophenol	ND	*	180	15
106-47-8	4-Chloroaniline	ND	*	74	33
95-57-8	2-Chlorophenol	ND		37	11
606-20-2	2,6-Dinitrotoluene	ND	*	37	31
108-95-2	Phenol	ND		37	11
15831-10-4	3 & 4 Methylphenol	ND		37	11
106-46-7	1,4-Dichlorobenzene	ND		37	11
111-91-1	Bis(2-chloroethoxy)methane	ND		37	11
91-58-7	2-Chloronaphthalene	ND		37	11
621-64-7	N-Nitrosodi-n-propylamine	ND		37	11
7005-72-3	4-Chlorophenyl phenyl ether	ND		37	11
59-50-7	4-Chloro-3-methylphenol	ND		74	11
50-32-8	Benzo[a]pyrene	ND		37	11
106-44-5	4-Methylphenol	ND		37	11
100-01-6	4-Nitroaniline	ND		180	31
88-74-4	2-Nitroaniline	ND		180	46
105-60-2	Caprolactam	ND		37	11
86-74-8	Carbazole	ND		37	11
534-52-1	4,6-Dinitro-2-methylphenol	ND		180	35
90-12-0	1-Methylnaphthalene	ND		37	11
86-30-6	N-Nitrosodiphenylamine	ND		37	11
1912-24-9	Atrazine	ND		37	11

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30106-1

SDG No.:

Client Sample ID: OC-SB-517-6.0/8.0-XXX | Lab Sample ID: 480-30106-14

Matrix: Solid | Lab File ID: X3181.D

Analysis Method: 8270D | Date Collected: 12/12/2012 12:20

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

Sample wt/vol: 000030.2(g) | Date Analyzed: 12/19/2012 22:19

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

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

% Moisture: 9.9 | 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		37	11
100-52-7	Benzaldehyde	ND		37	11
103-33-3	Azobenzene	ND		37	11
77-47-4	Hexachlorocyclopentadiene	ND		74	11
99-09-2	3-Nitroaniline	ND		180	11
62-75-9	N-Nitrosodimethylamine	ND		37	11
100-51-6	Benzyl alcohol	ND		74	11
92-52-4	1,1'-Biphenyl	ND		37	11
58-90-2	2,3,4,6-Tetrachlorophenol	ND		37	11
119-61-9	Benzophenone	ND		37	11
65-85-0	Benzoic acid	ND		180	17
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		37	11

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	79		30-130
367-12-4	2-Fluorophenol	72		30-130
4165-60-0	Nitrobenzene-d5	60		30-130
4165-62-2	Phenol-d5	72		30-130
321-60-8	2-Fluorobiphenyl	89		30-130
1718-51-0	p-Terphenyl-d14	73		30-130

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

Lab Name: TestAmerica Buffalo | Job No.: 480-30106-1

SDG No.:

Client Sample ID: OC-SB-517-6.0/8.0-XXX | Lab Sample ID: 480-30106-14

Matrix: Solid | Lab File ID: X3181.D

Analysis Method: 8270D | Date Collected: 12/12/2012 12:20

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

Sample wt/vol: 000030.2(g) | Date Analyzed: 12/19/2012 22:19

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

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

% Moisture: 9.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 96568 | Units: ug/Kg

Number TICs Found: 7 | TIC Result Total: 3576

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	3.85	32	T J
	Unknown	4.21	3400	T J
	Unknown	4.65	21	T J
	Unknown	6.33	22	T J
	Unknown	9.61	36	T J
	Unknown	9.72	21	T J
	Unknown	15.30	44	T J

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3181.D		
Lims ID:	480-30106-B-14-B	Client ID:	OC-SB-517-6.0/8.0-XXX
Inject. Date:	19-Dec-2012 22:19:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-0017692-028		
Misc. Info.:			
Operator:	ANM	Instrument ID:	HP5973X
Injection Vol:	1.0 ul	ALS Bottle#:	29
Lims Batch ID:	96568	Lims Sample ID:	28
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X-8270LL.m		
Last Update:	09-Mar-2013 09:48:53	Calib Date:	18-Dec-2012 14:44:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3139.D		
Limit Group:	MB - 8270RCP_MCP ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm
Process Host:	XAWRK034		

First Level Reviewer: mckernar Date: 20-Dec-2012 09:47:06

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	89	247258	5.00	
* 2 Naphthalene-d8	136	8.448	8.482	-0.034	97	900759	5.00	
* 3 Acenaphthene-d10	164	11.102	11.107	-0.005	88	531108	5.00	
* 4 Phenanthrene-d10	188	13.109	13.104	0.005	96	759502	5.00	
* 5 Chrysene-d12	240	15.743	15.753	-0.010	95	629555	5.00	
* 6 Perylene-d12	264	17.023	17.037	-0.014	98	495229	5.00	
$ 7 2-Fluorophenol	112	4.691	4.620	0.071	56	81345	1.45	M
$ 8 Phenol-d5	99	6.109	6.056	0.053	83	97779	1.43	M
$ 9 Nitrobenzene-d5	82	7.402	7.407	-0.005	75	80681	1.19	
$ 10 2-Fluorobiphenyl	172	10.122	10.122	0.0	89	236267	1.77	M
$ 11 2,4,6-Tribromophenol	330	12.296	12.257	0.039	0	22194	1.59	M
$ 12 p-Terphenyl-d14	244	14.778	14.778	0.0	96	176372	1.45	
19 N-Nitrosodimethylamine	42		2.718					
21 Benzaldehyde	77		5.895					14
23 Aniline	93		6.066					
22 Phenol	94		6.075					9
24 Bis(2-chloroethyl)ether	93		6.170					19
25 2-Chlorophenol	128		6.237					149
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					
31 2-Methylphenol	108		6.988					
32 2,2'-oxybis[1-chloropropane]	45		6.998					
33 Acetophenone	105		7.179					
34 N-Nitrosodi-n-propylamine	70		7.193					
35 DFTPP								
36 4-Methylphenol	108		7.245					9
37 Hexachloroethane	117		7.302					19
38 Nitrobenzene	77		7.435					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
40 Isophorone	82		7.806					
41 2-Nitrophenol	139		7.925					
43 2,4-Dimethylphenol	107		8.039					
45 Bis(2-chloroethoxy)methane	93		8.163					1
44 Benzoic acid	105		8.220					19
47 2,4-Dichlorophenol	162		8.315					9
48 1,2,4-Trichlorobenzene	180		8.405					
49 Naphthalene	128		8.515					
51 4-Chloroaniline	127		8.643					
52 Hexachlorobutadiene	225		8.715					9
54 Caprolactam	113		9.185					
55 4-Chloro-3-methylphenol	107		9.442					19
56 2-Methylnaphthalene	142		9.566					9
57 1-Methylnaphthalene	142		9.704					19
58 Hexachlorocyclopentadiene	237		9.794					9
59 1,2,4,5-Tetrachlorobenzene	216		9.813					
60 2,4,6-Trichlorophenol	196		10.018					
61 2,4,5-Trichlorophenol	196		10.103					
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					1
67 Dimethyl phthalate	163		10.764					
68 2,6-Dinitrotoluene	165		10.850					
69 Acenaphthylene	152		10.893					9
70 3-Nitroaniline	138		11.111					
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					1
75 4-Nitrophenol	109		11.487					
76 2,3,4,6-Tetrachlorophenol	232		11.635					19
78 Diethyl phthalate	149		11.810					9
79 Fluorene	166		11.915					9
80 4-Chlorophenyl phenyl ether	204		11.934					
81 4-Nitroaniline	138		12.015					1
82 4,6-Dinitro-2-methylphenol	198		12.043					
83 N-Nitrosodiphenylamine	169		12.105					
16 1,2-Diphenylhydrazine	77		12.148					
85 Azobenzene	77		12.148					
86 Benzophenone	105		12.172					
89 4-Bromophenyl phenyl ether	248		12.571					19
91 Hexachlorobenzene	284		12.633					9
93 Atrazine	200		12.823					9
94 Pentachlorophenol	266		12.904					
97 Phenanthrene	178		13.128					9
98 Anthracene	178		13.190					9
99 Carbazole	167		13.399					
102 Di-n-butyl phthalate	149		13.784					
104 Fluoranthene	202		14.407					9
106 Pyrene	202		14.631					
108 Butyl benzyl phthalate	149		15.230					

Report Date: 09-Mar-2013 09:49:34 Chrom Revision: 2.0 01-Feb-2013 10:03:10
Data File: \\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3181.D

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
109 3,3'-Dichlorobenzidine	252		15.724					
110 Bis(2-ethylhexyl) phthalate	149	15.715	15.729	-0.014	70	5941382	46.3	E
111 Benzo[a]anthracene	228		15.743					
112 Chrysene	228		15.777					9
113 Di-n-octyl phthalate	149		16.266					
114 Benzo[b]fluoranthene	252		16.680					9
115 Benzo[k]fluoranthene	252		16.704					9
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					
119 Benzo[g,h,i]perylene	276		18.444					
S 120 3 & 4 Methylphenol	108		0.000					

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\20121219-17692.b\X3181.D		
Lims ID:	480-30106-B-14-B	Client ID:	OC-SB-517-6.0/8.0-XXX
Inject. Date:	19-Dec-2012 22:19:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-0017692-028		
Misc. Info.:			
Operator:	ANM	Instrument ID:	HP5973X
Injection Vol:	1.0 ul	ALS Bottle#:	29
Lims Batch ID:	96568	Lims Sample ID:	28
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X-8270LL.m		
Last Update:	09-Mar-2013 09:48:53	Calib Date:	18-Dec-2012 14:44:30
Tic RT Window:	1.500 -0.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\Bufchrom\ChromData\Database\NIST98.L		
Min. Match:	85		
Process Host:	XAWRK034		

First Level Reviewer: mckernar Date: 20-Dec-2012 09:47:06

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ng/uL	Flags
Pyridine	2.723	286	0.006235	
Diphenylamine	12.148	1041	0.005890	
Benzidine	14.569	1071	0.0154	

Tentative Identified Compound Results

RT	Response	Amount ng/uL	Quant Cpnd	Qual	Lib Entry	Flags
		Unknown				
3.850	300166	0.8718	1			
		Unknown				
4.206	31812767	92.4	1			
		Unknown				
4.653	193512	0.5620	1			
		Unknown				
6.332	203344	0.5906	1			
		Unknown				
9.609	415790	0.99	2			
		Unknown				
9.723	236073	0.5624	2			
		Unknown				
15.296	491797	1.19	5			

Report Date: 09-Mar-2013 09:49:34 Chrom Revision: 2.0 01-Feb-2013 10:03:10
Data File: \\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3181.D
Quantitation Compounds

Compound	RT	Response	Amount ng/uL
* 1 1,4-Dichlorobenzene-d4	6.556	1721516	5.00
* 2 Naphthalene-d8	8.448	2098776	5.00
* 5 Chrysene-d12	15.743	2058718	5.00

QC Flag Legend

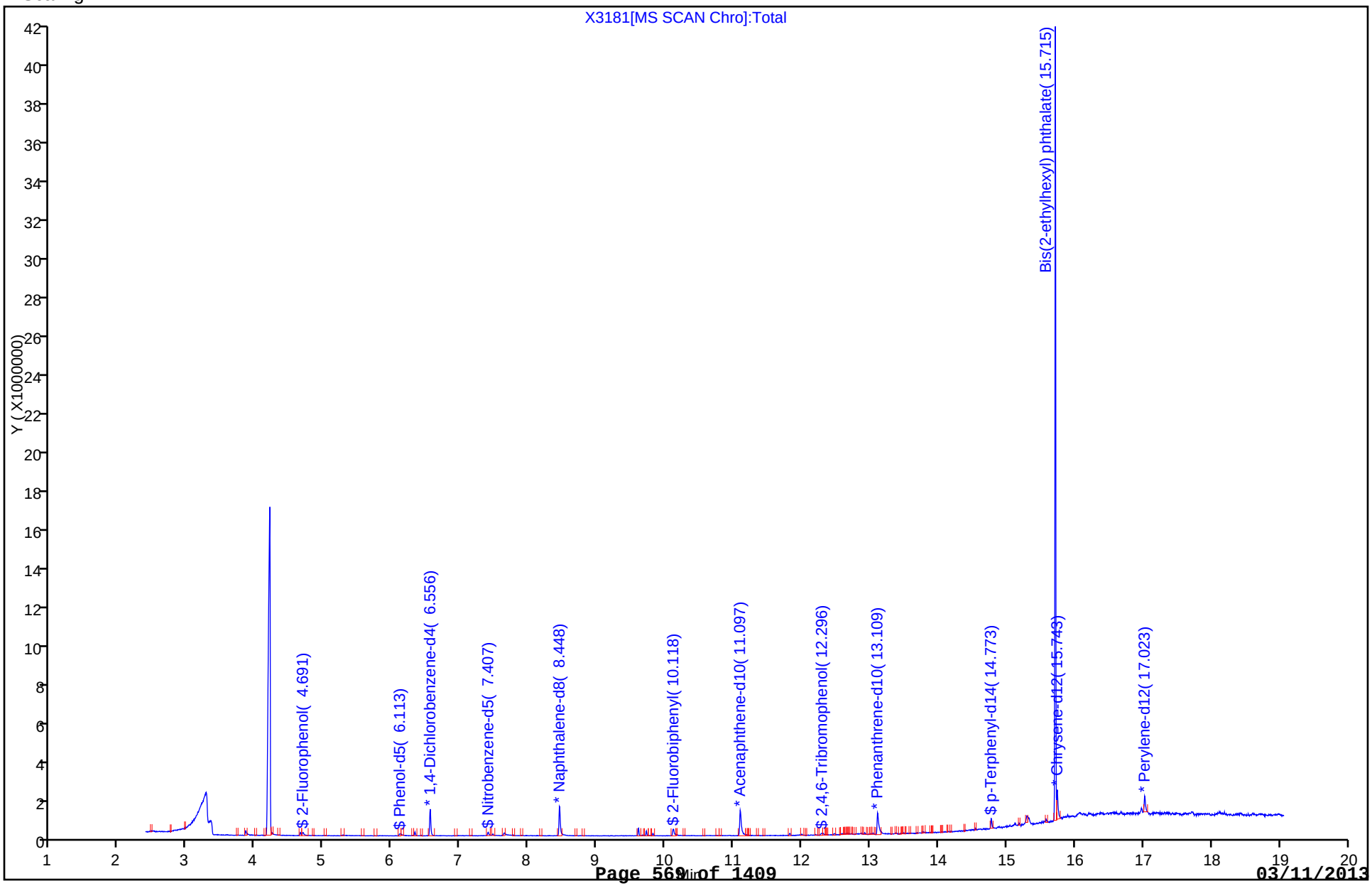
Processing Flags

Report Date: 09-Mar-2013 09:49:34 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3181.D		
Injection Date:	19-Dec-2012 22:19:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-517-6.0/8.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	28
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:

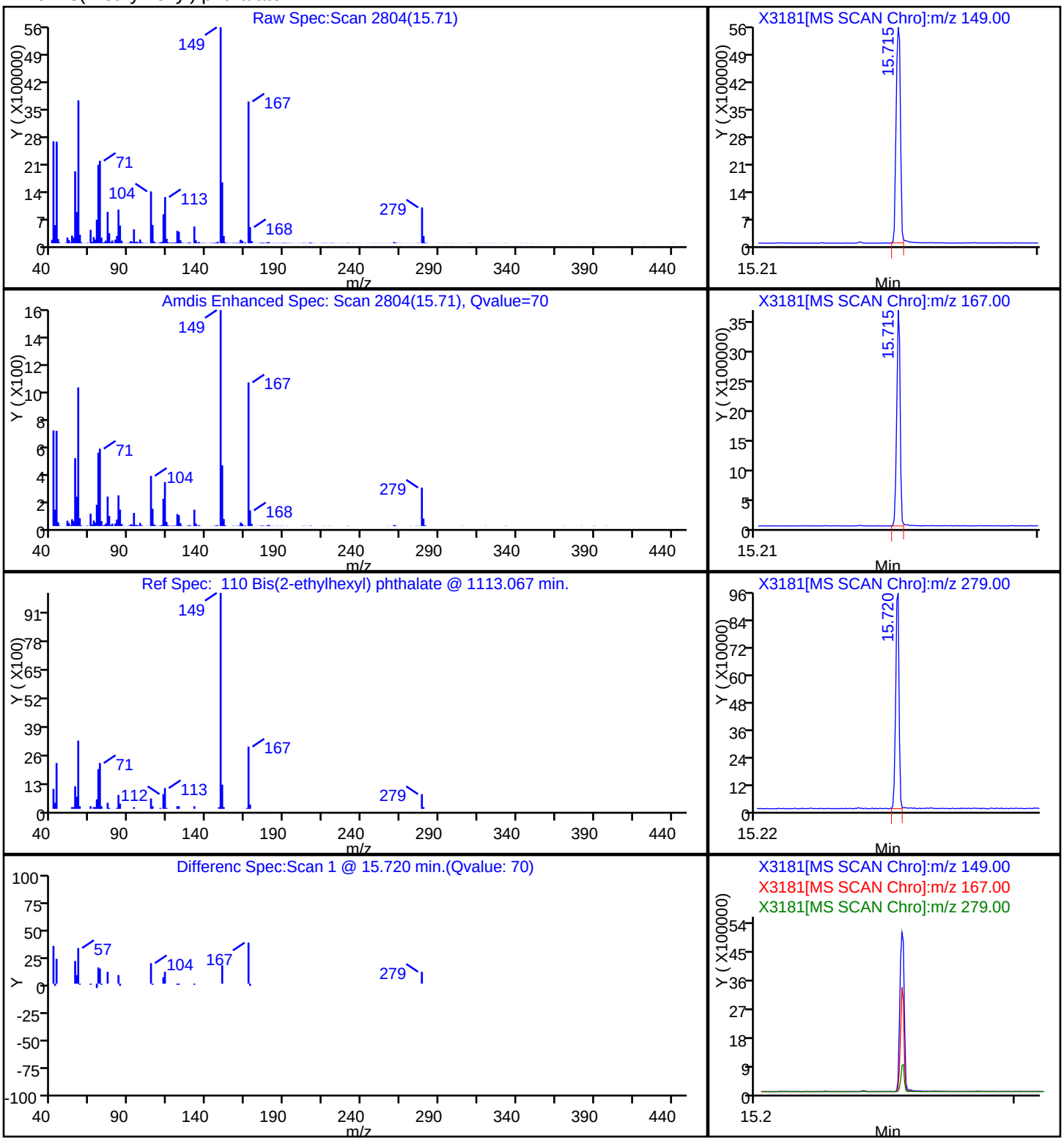


Report Date: 09-Mar-2013 09:49:34 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3181.D		
Injection Date:	19-Dec-2012 22:19:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-517-6.0/8.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	28
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

110 Bis(2-ethylhexyl) phthalate



Manual Integration/User Assign Peak Report

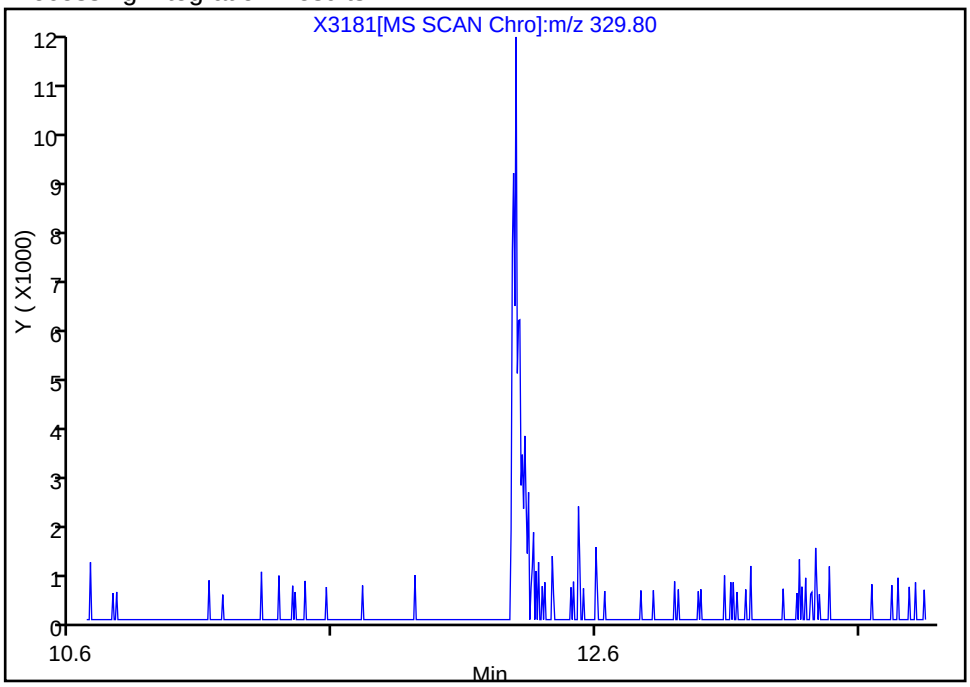
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3181.D		
Injection Date:	19-Dec-2012 22:19:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-517-6.0/8.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	28
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

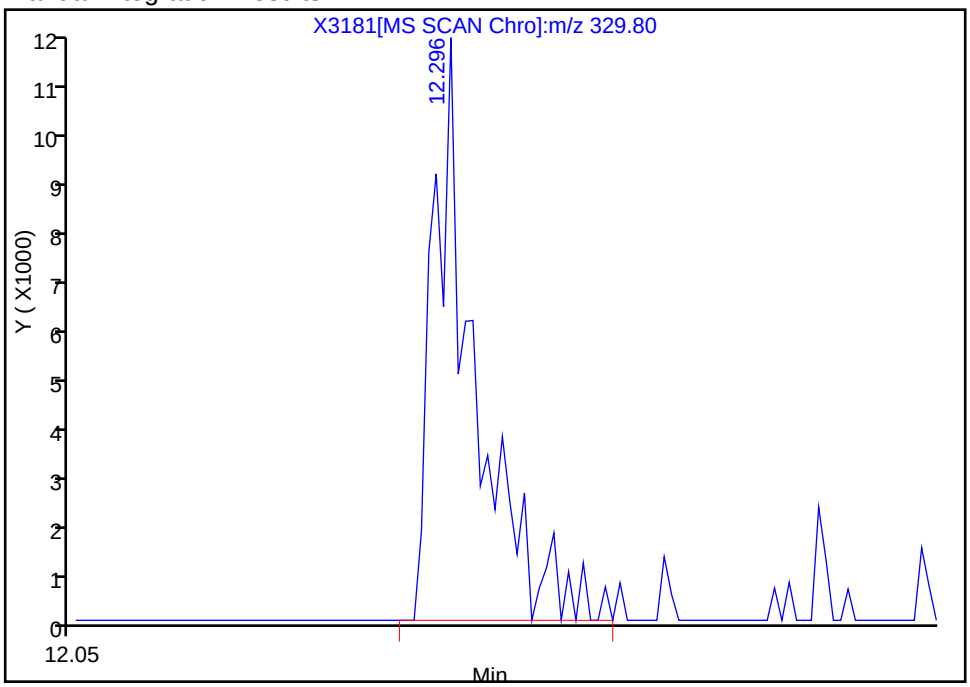
Processing Integration Results

Not Detected
Expected RT: 12.26



Manual Integration Results

RT: 12.30
Response: 22194
Amount: 1.588480



Reviewer: mckernar, 20-Dec-2012 09:47:06
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 09-Mar-2013 09:49:34 Chrom Revision: 2.0 01-Feb-2013 10:03:10

Manual Integration/User Assign Peak Report

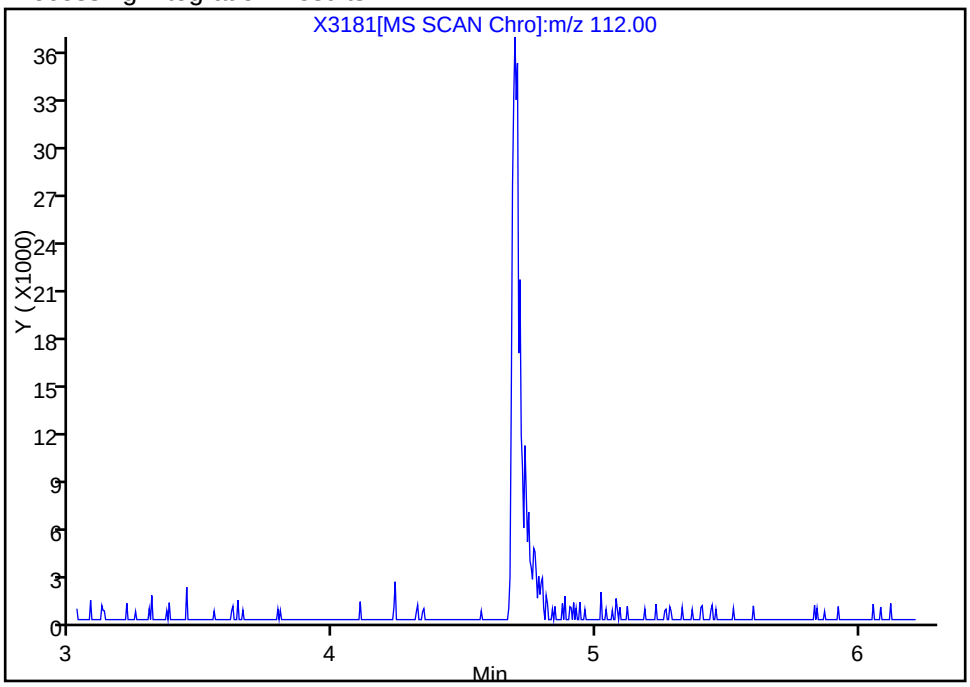
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3181.D		
Injection Date:	19-Dec-2012 22:19:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-517-6.0/8.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	28
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

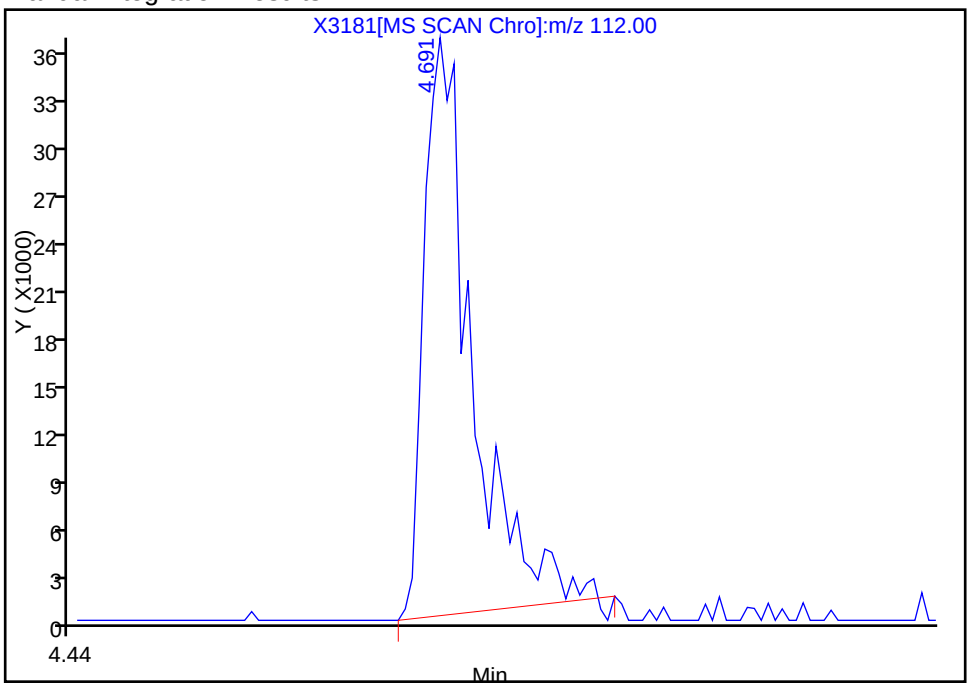
Processing Integration Results

Not Detected
Expected RT: 4.62



Manual Integration Results

RT: 4.69
Response: 81345
Amount: 1.449726



Reviewer: mckernar, 20-Dec-2012 09:47:06
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

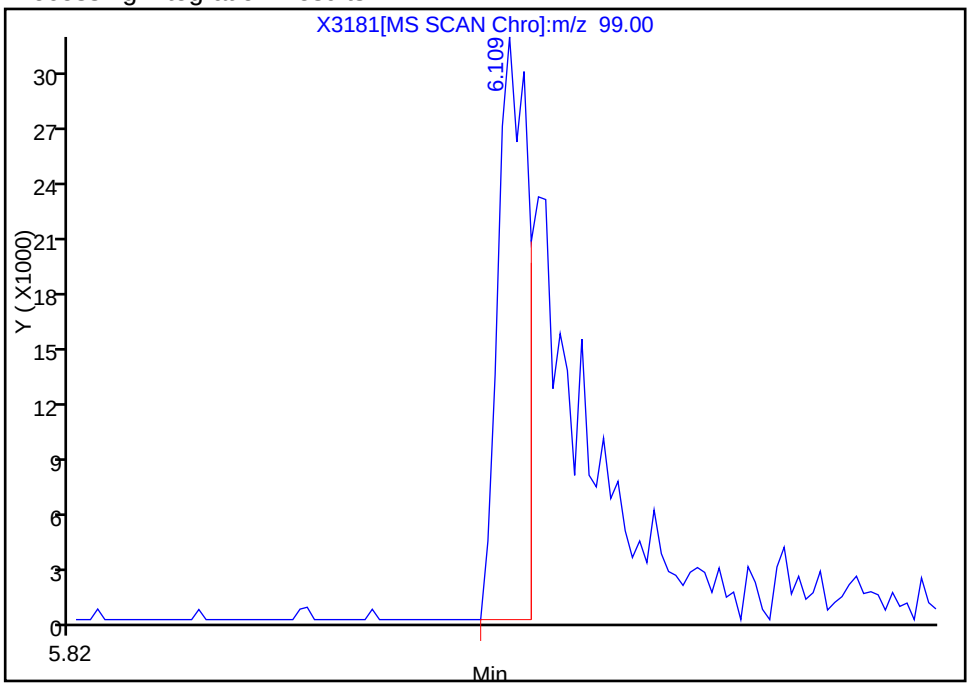
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3181.D		
Injection Date:	19-Dec-2012 22:19:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-517-6.0/8.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	28
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

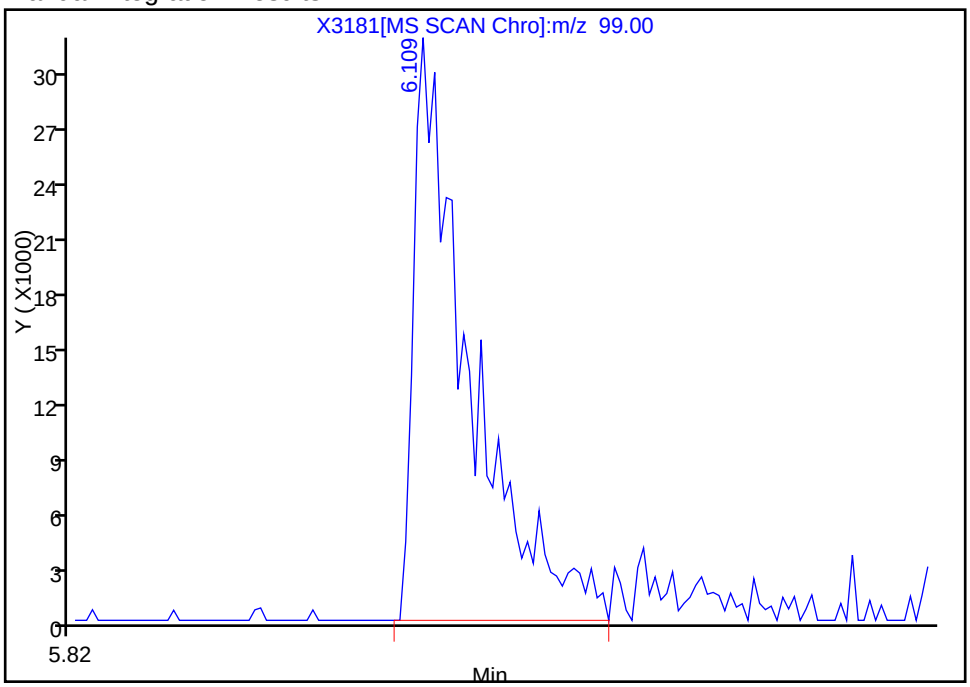
Processing Integration Results

RT: 6.11
Response: 42715
Amount: 0.581206



Manual Integration Results

RT: 6.11
Response: 97779
Amount: 1.431795



Reviewer: mckernar, 20-Dec-2012 09:47:06
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 09-Mar-2013 09:49:34 Chrom Revision: 2.0 01-Feb-2013 10:03:10

Manual Integration/User Assign Peak Report

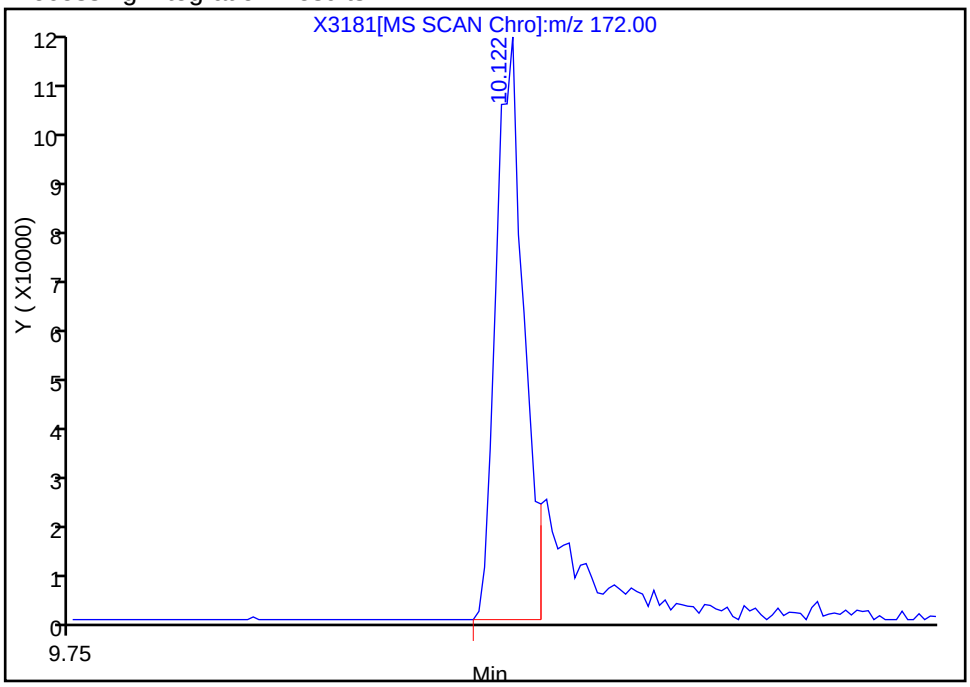
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3181.D		
Injection Date:	19-Dec-2012 22:19:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-517-6.0/8.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	28
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

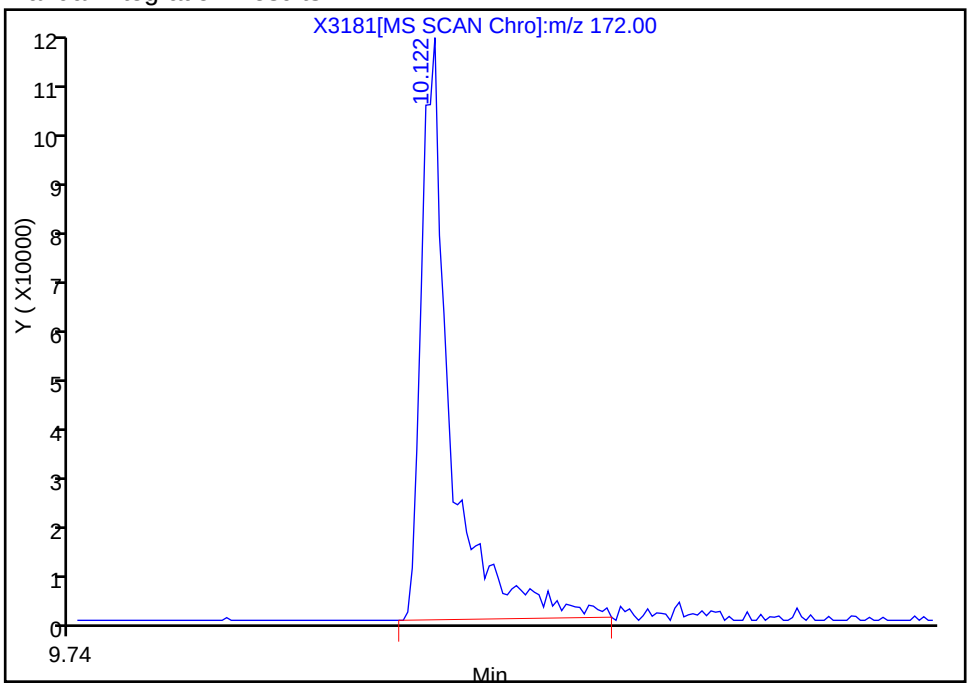
Processing Integration Results

RT: 10.12
Response: 180562
Amount: 1.231702



Manual Integration Results

RT: 10.12
Response: 236267
Amount: 1.772584



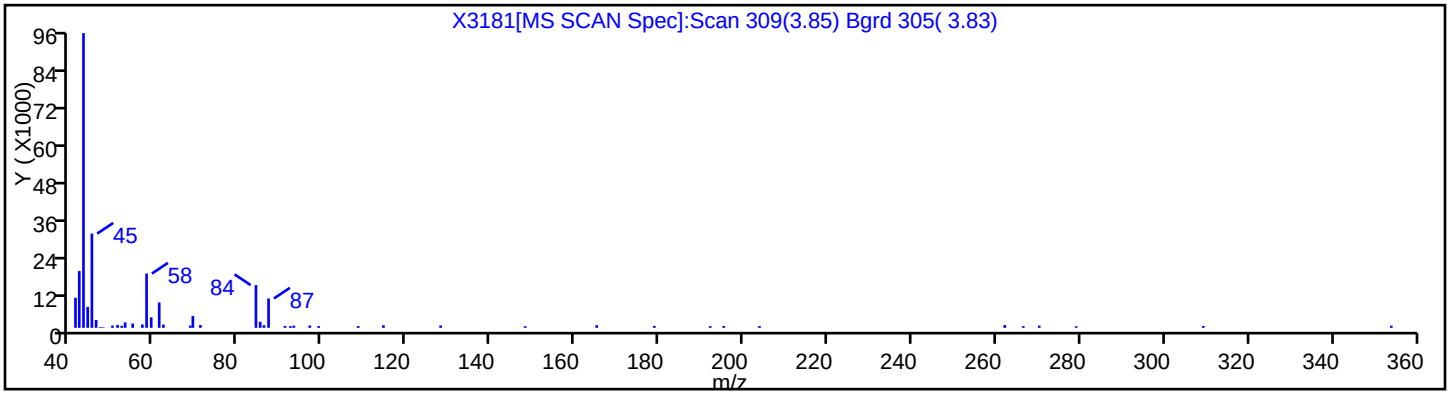
Reviewer: mckernar, 20-Dec-2012 09:47:06
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 09-Mar-2013 09:49:35 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3181.D		
Injection Date:	19-Dec-2012 22:19:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-517-6.0/8.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	28
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

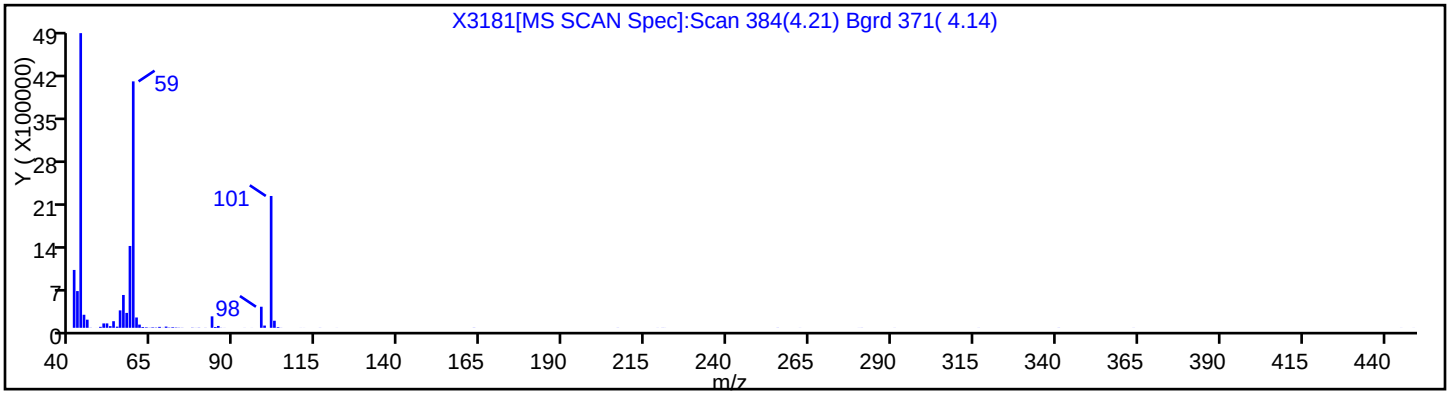


Report Date: 09-Mar-2013 09:49:35 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3181.D		
Injection Date:	19-Dec-2012 22:19:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-517-6.0/8.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	28
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

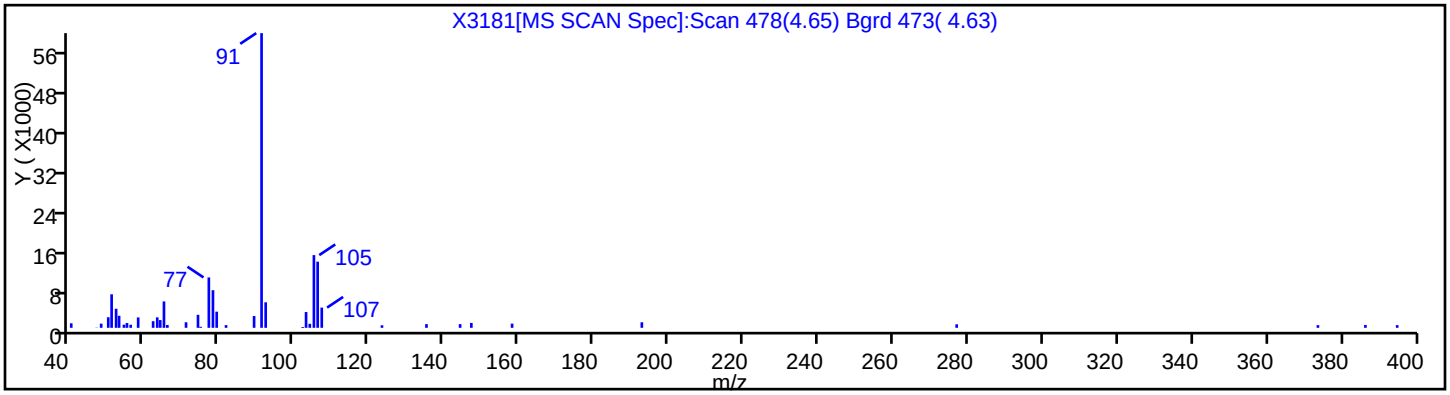


Report Date: 09-Mar-2013 09:49:35 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3181.D		
Injection Date:	19-Dec-2012 22:19:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-517-6.0/8.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	28
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

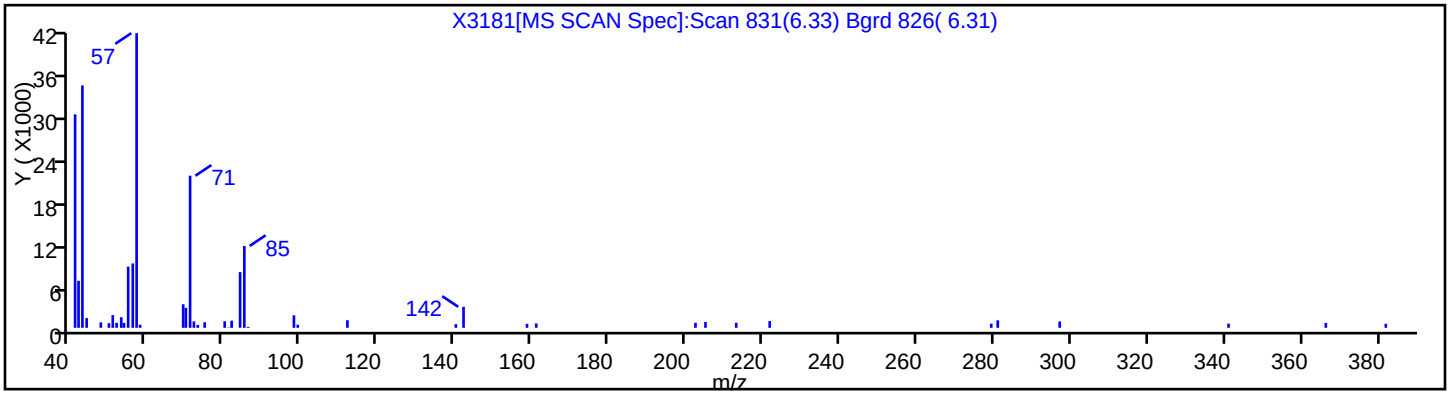


Report Date: 09-Mar-2013 09:49:35 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3181.D		
Injection Date:	19-Dec-2012 22:19:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-517-6.0/8.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	28
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

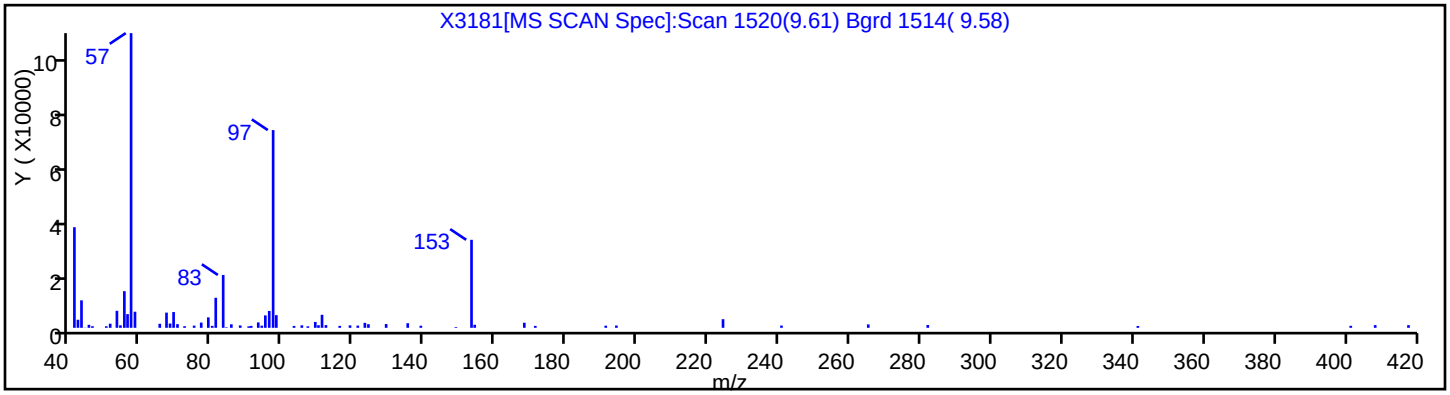


Report Date: 09-Mar-2013 09:49:35 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3181.D		
Injection Date:	19-Dec-2012 22:19:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-517-6.0/8.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	28
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

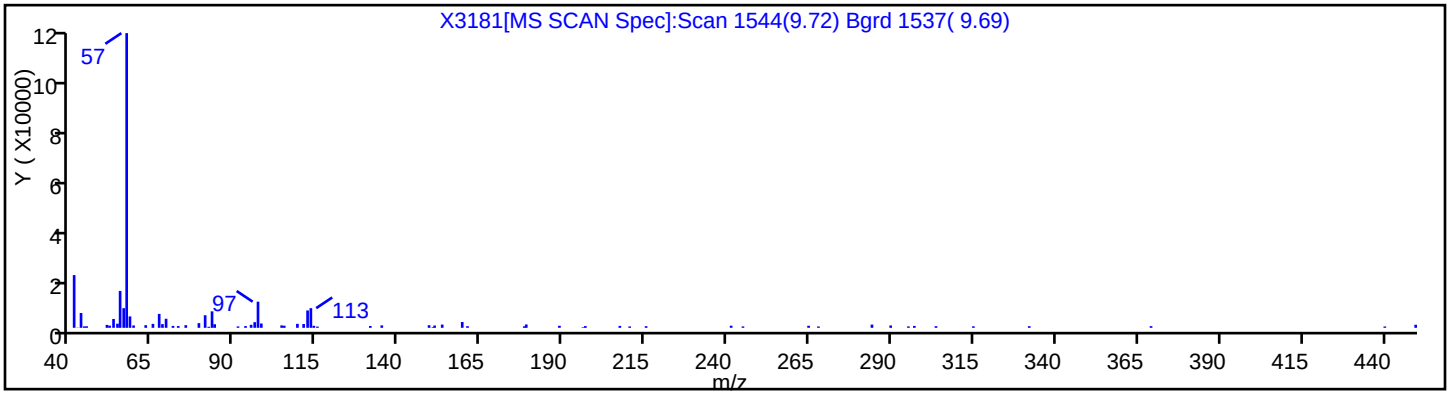


Report Date: 09-Mar-2013 09:49:35 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3181.D		
Injection Date:	19-Dec-2012 22:19:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-517-6.0/8.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	28
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

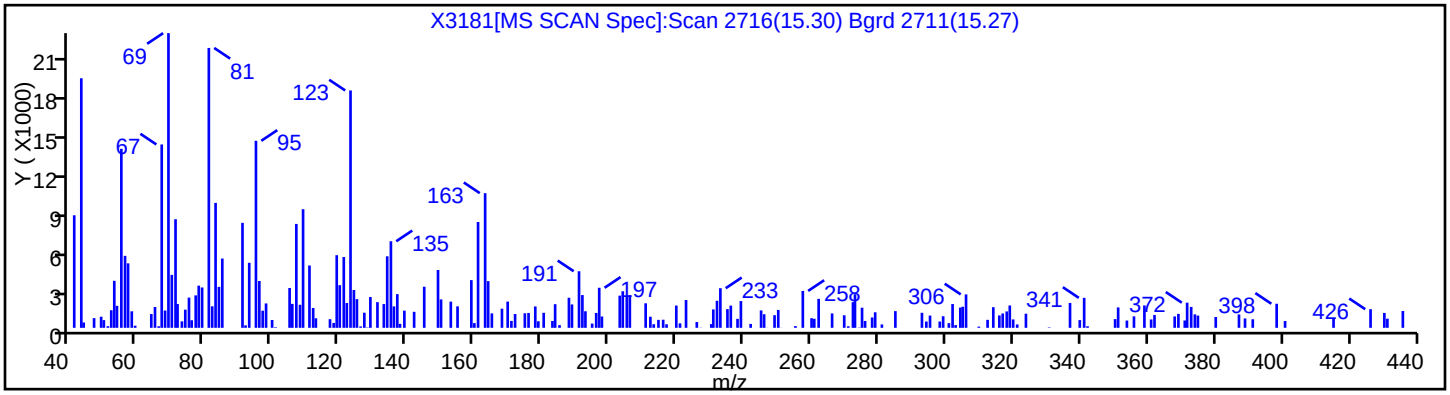


Report Date: 09-Mar-2013 09:49:35 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3181.D		
Injection Date:	19-Dec-2012 22:19:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-517-6.0/8.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	28
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.: 480-30106-1

SDG No.:

Client Sample ID: OC-SB-517-6.0/8.0-XXX DL | Lab Sample ID: 480-30106-14 DL

Matrix: Solid | Lab File ID: X3194.D

Analysis Method: 8270D | Date Collected: 12/12/2012 12:20

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

Sample wt/vol: 000030.2(g) | Date Analyzed: 12/20/2012 11:52

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

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

% Moisture: 9.9 | 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	3300		1800	740
95-95-4	2,4,5-Trichlorophenol	ND		370	120
62-53-3	Aniline	ND		370	110
67-72-1	Hexachloroethane	ND		370	110
131-11-3	Dimethyl phthalate	ND		370	110
105-67-9	2,4-Dimethylphenol	ND	*	370	110
78-59-1	Isophorone	ND		370	110
86-73-7	Fluorene	ND		370	110
132-64-9	Dibenzofuran	ND		370	110
208-96-8	Acenaphthylene	ND		370	110
120-83-2	2,4-Dichlorophenol	ND		370	110
191-24-2	Benzo[g,h,i]perylene	ND		370	110
118-74-1	Hexachlorobenzene	ND		370	110
117-84-0	Di-n-octyl phthalate	ND		370	110
87-68-3	Hexachlorobutadiene	ND		370	110
85-01-8	Phenanthrene	ND		370	110
88-75-5	2-Nitrophenol	ND	*	370	140
207-08-9	Benzo[k]fluoranthene	ND		370	190
51-28-5	2,4-Dinitrophenol	ND	*	370	300
120-12-7	Anthracene	ND		370	110
91-57-6	2-Methylnaphthalene	ND		370	110
84-74-2	Di-n-butyl phthalate	ND		1800	550
120-82-1	1,2,4-Trichlorobenzene	ND		370	110
129-00-0	Pyrene	ND		370	110
121-14-2	2,4-Dinitrotoluene	ND		370	110
53-70-3	Dibenz(a,h)anthracene	ND		370	110
541-73-1	1,3-Dichlorobenzene	ND		370	110
98-95-3	Nitrobenzene	ND		370	110
91-20-3	Naphthalene	ND		370	110
88-06-2	2,4,6-Trichlorophenol	ND		370	150
87-86-5	Pentachlorophenol	ND		370	110
206-44-0	Fluoranthene	ND		370	110
91-94-1	3,3'-Dichlorobenzidine	ND		740	130
101-55-3	4-Bromophenyl phenyl ether	ND		370	110

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30106-1

SDG No.:

Client Sample ID: OC-SB-517-6.0/8.0-XXX DL | Lab Sample ID: 480-30106-14 DL

Matrix: Solid | Lab File ID: X3194.D

Analysis Method: 8270D | Date Collected: 12/12/2012 12:20

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

Sample wt/vol: 000030.2(g) | Date Analyzed: 12/20/2012 11:52

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

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

% Moisture: 9.9 | 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		370	120
95-48-7	2-Methylphenol	ND		370	110
95-50-1	1,2-Dichlorobenzene	ND		370	110
108-60-1	2,2'-oxybis[1-chloropropane]	ND		370	110
98-86-2	Acetophenone	ND		370	110
111-44-4	Bis(2-chloroethyl)ether	ND		370	110
56-55-3	Benzo[a]anthracene	ND		370	110
193-39-5	Indeno[1,2,3-cd]pyrene	ND		370	110
85-68-7	Butyl benzyl phthalate	ND		370	110
218-01-9	Chrysene	ND		370	110
83-32-9	Acenaphthene	ND		370	110
205-99-2	Benzo[b]fluoranthene	ND		370	110
100-02-7	4-Nitrophenol	ND	*	1800	150
106-47-8	4-Chloroaniline	ND	*	740	330
95-57-8	2-Chlorophenol	ND		370	110
606-20-2	2,6-Dinitrotoluene	ND	*	370	310
108-95-2	Phenol	ND		370	110
15831-10-4	3 & 4 Methylphenol	ND		370	110
106-46-7	1,4-Dichlorobenzene	ND		370	110
111-91-1	Bis(2-chloroethoxy)methane	ND		370	110
91-58-7	2-Chloronaphthalene	ND		370	110
621-64-7	N-Nitrosodi-n-propylamine	ND		370	110
7005-72-3	4-Chlorophenyl phenyl ether	ND		370	110
59-50-7	4-Chloro-3-methylphenol	ND		740	110
50-32-8	Benzo[a]pyrene	ND		370	110
106-44-5	4-Methylphenol	ND		370	110
100-01-6	4-Nitroaniline	ND		1800	310
88-74-4	2-Nitroaniline	ND		1800	460
105-60-2	Caprolactam	ND		370	110
86-74-8	Carbazole	ND		370	110
534-52-1	4,6-Dinitro-2-methylphenol	ND		1800	350
90-12-0	1-Methylnaphthalene	ND		370	110
86-30-6	N-Nitrosodiphenylamine	ND		370	110
1912-24-9	Atrazine	ND		370	110

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30106-1

SDG No.:

Client Sample ID: OC-SB-517-6.0/8.0-XXX DL | Lab Sample ID: 480-30106-14 DL

Matrix: Solid | Lab File ID: X3194.D

Analysis Method: 8270D | Date Collected: 12/12/2012 12:20

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

Sample wt/vol: 000030.2(g) | Date Analyzed: 12/20/2012 11:52

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

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

% Moisture: 9.9 | 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*		*370*	*110*
100-52-7	*Benzaldehyde*	*ND*		*370*	*110*
103-33-3	*Azobenzene*	*ND*		*370*	*110*
77-47-4	*Hexachlorocyclopentadiene*	*ND*		*740*	*110*
99-09-2	*3-Nitroaniline*	*ND*		*1800*	*110*
62-75-9	*N-Nitrosodimethylamine*	*ND*		*370*	*110*
100-51-6	*Benzyl alcohol*	*ND*		*740*	*110*
92-52-4	*1,1'-Biphenyl*	*ND*		*370*	*110*
58-90-2	*2,3,4,6-Tetrachlorophenol*	*ND*		*370*	*110*
119-61-9	*Benzophenone*	*ND*		*370*	*110*
65-85-0	*Benzoic acid*	*ND*		*1800*	*170*
95-94-3	*1,2,4,5-Tetrachlorobenzene*	*ND*		*370*	*110*

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	80		30-130

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

Lab Name: TestAmerica Buffalo Job No.: 480-30106-1

SDG No.:

Client Sample ID: OC-SB-517-6.0/8.0-XXX DL Lab Sample ID: 480-30106-14 DL

Matrix: Solid Lab File ID: X3194.D

Analysis Method: 8270D Date Collected: 12/12/2012 12:20

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

Sample wt/vol: 000030.2(g) Date Analyzed: 12/20/2012 11:52

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

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

% Moisture: 9.9 GPC Cleanup:(Y/N) N

Analysis Batch No.: 96803 Units: ug/Kg

Number TICs Found: 1 TIC Result Total: 4700

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	4.14	4700	T J

FORM I-TIC 8270D

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3194.D		
Lims ID:	480-30106-B-14-B	Client ID:	OC-SB-517-6.0/8.0-XXX
Inject. Date:	20-Dec-2012 11:52:30	Dil. Factor:	10.0000
Sample Type:	Client		
Sample ID:	480-0017736-005		
Misc. Info.:			
Operator:	ANM	Instrument ID:	HP5973X
Injection Vol:	1.0 ul	ALS Bottle#:	6
Lims Batch ID:	96803	Lims Sample ID:	5
Detector:	MS SCAN		

Method:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X-8270LL.m		
Last Update:	09-Mar-2013 09:38:31	Calib Date:	18-Dec-2012 14:44:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3139.D		
Limit Group:	MB - 8270RCP_MCP ICAL		
Integrator:	RTE	ID Type:	RT Order ID
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm
Process Host:	XAWRK034		

First Level Reviewer: mckernar Date: 20-Dec-2012 12:14:58

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.537	6.570	-0.033	85	161752	5.00	
* 2 Naphthalene-d8	136	8.439	8.439	0.0	96	548982	5.00	
* 3 Acenaphthene-d10	164	11.107	11.064	0.043	88	364924	5.00	
* 4 Phenanthrene-d10	188	13.118	13.080	0.038	92	674392	5.00	
* 5 Chrysene-d12	240	15.748	15.734	0.014	94	563065	5.00	
* 6 Perylene-d12	264	17.027	17.013	0.014	95	535156	5.00	
$ 7 2-Fluorophenol	112		4.682					9
$ 8 Phenol-d5	99		6.090					9
$ 9 Nitrobenzene-d5	82		7.393					
$ 10 2-Fluorobiphenyl	172		10.075					9
$ 11 2,4,6-Tribromophenol	330		12.229					9
$ 12 p-Terphenyl-d14	244	14.802	14.759	0.043	45	17477	0.1610	
19 N-Nitrosodimethylamine	42		2.766					14
21 Benzaldehyde	77		5.938					19
23 Aniline	93		6.104					
22 Phenol	94		6.109					
24 Bis(2-chloroethyl)ether	93		6.204					19
25 2-Chlorophenol	128		6.270					
26 1,3-Dichlorobenzene	146		6.484					
27 1,4-Dichlorobenzene	146		6.594					
29 1,2-Dichlorobenzene	146		6.813					9
28 Benzyl alcohol	108		6.813					149
31 2-Methylphenol	108		6.993					9
32 2,2'-oxybis[1-chloropropane]	45		6.998					9
33 Acetophenone	105		7.174					19
35 DFTPP								
34 N-Nitrosodi-n-propylamine	70		7.183					149
36 4-Methylphenol	108		7.231					9
37 Hexachloroethane	117		7.298					19
38 Nitrobenzene	77		7.421					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
40 Isophorone	82		7.778					
41 2-Nitrophenol	139		7.892					
43 2,4-Dimethylphenol	107		8.001					9
45 Bis(2-chloroethoxy)methane	93		8.125					19
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					19
52 Hexachlorobutadiene	225		8.662					
54 Caprolactam	113		9.129					
55 4-Chloro-3-methylphenol	107		9.385					19
56 2-Methylnaphthalene	142		9.509					
57 1-Methylnaphthalene	142		9.656					
58 Hexachlorocyclopentadiene	237		9.742					
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					149
63 2-Chloronaphthalene	162		10.265					
64 Phenyl ether	170		10.384					19
65 2-Nitroaniline	65		10.436					19
67 Dimethyl phthalate	163		10.722					
68 2,6-Dinitrotoluene	165		10.807					
69 Acenaphthylene	152		10.850					9
70 3-Nitroaniline	138		11.069					19
71 Acenaphthene	153		11.112					
72 2,4-Dinitrophenol	184		11.240					
73 Dibenzofuran	168		11.378					
74 2,4-Dinitrotoluene	165		11.416					
75 4-Nitrophenol	109		11.454					19
76 2,3,4,6-Tetrachlorophenol	232		11.597					
78 Diethyl phthalate	149		11.777					
79 Fluorene	166		11.882					9
80 4-Chlorophenyl phenyl ether	204		11.901					
81 4-Nitroaniline	138		11.982					
82 4,6-Dinitro-2-methylphenol	198		12.010					
83 N-Nitrosodiphenylamine	169		12.077					19
85 Azobenzene	77		12.120					19
16 1,2-Diphenylhydrazine	77		12.120					19
86 Benzophenone	105		12.144					1
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					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					9
106 Pyrene	202		14.607					9
108 Butyl benzyl phthalate	149		15.211					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
109 3,3'-Dichlorobenzidine	252	15.762	15.705	0.057	1	1211	0.0239	
110 Bis(2-ethylhexyl) phthalate	149	15.710	15.710	0.0	95	1035307	9.01	
111 Benzo[a]anthracene	228		15.720					9
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					9
118 Dibenz(a,h)anthracene	278		18.107					9
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

TestAmerica Buffalo
Tentatively Identified Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3194.D		
Lims ID:	480-30106-B-14-B	Client ID:	OC-SB-517-6.0/8.0-XXX
Inject. Date:	20-Dec-2012 11:52:30	Dil. Factor:	10.0000
Sample Type:	Client		
Sample ID:	480-0017736-005		
Misc. Info.:			
Operator:	ANM	Instrument ID:	HP5973X
Injection Vol:	1.0 ul	ALS Bottle#:	6
Lims Batch ID:	96803	Lims Sample ID:	5
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X-8270LL.m		
Last Update:	09-Mar-2013 09:38:31	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 12:14:58

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ng/uL	Flags
1,4-Dioxane	2.423	3976	0.0852	
Pyridine	2.837	505	0.0168	

Tentative Identified Compound Results

RT	Response	Amount ng/uL	Quant Cpnd	Qual	Lib Entry	Flags
	Unknown					
4.135	2858753	12.9	1			

Quantitation Compounds

Compound	RT	Response	Amount ng/uL
* 1 1,4-Dichlorobenzene-d4	6.537	1107974	5.00

QC Flag Legend

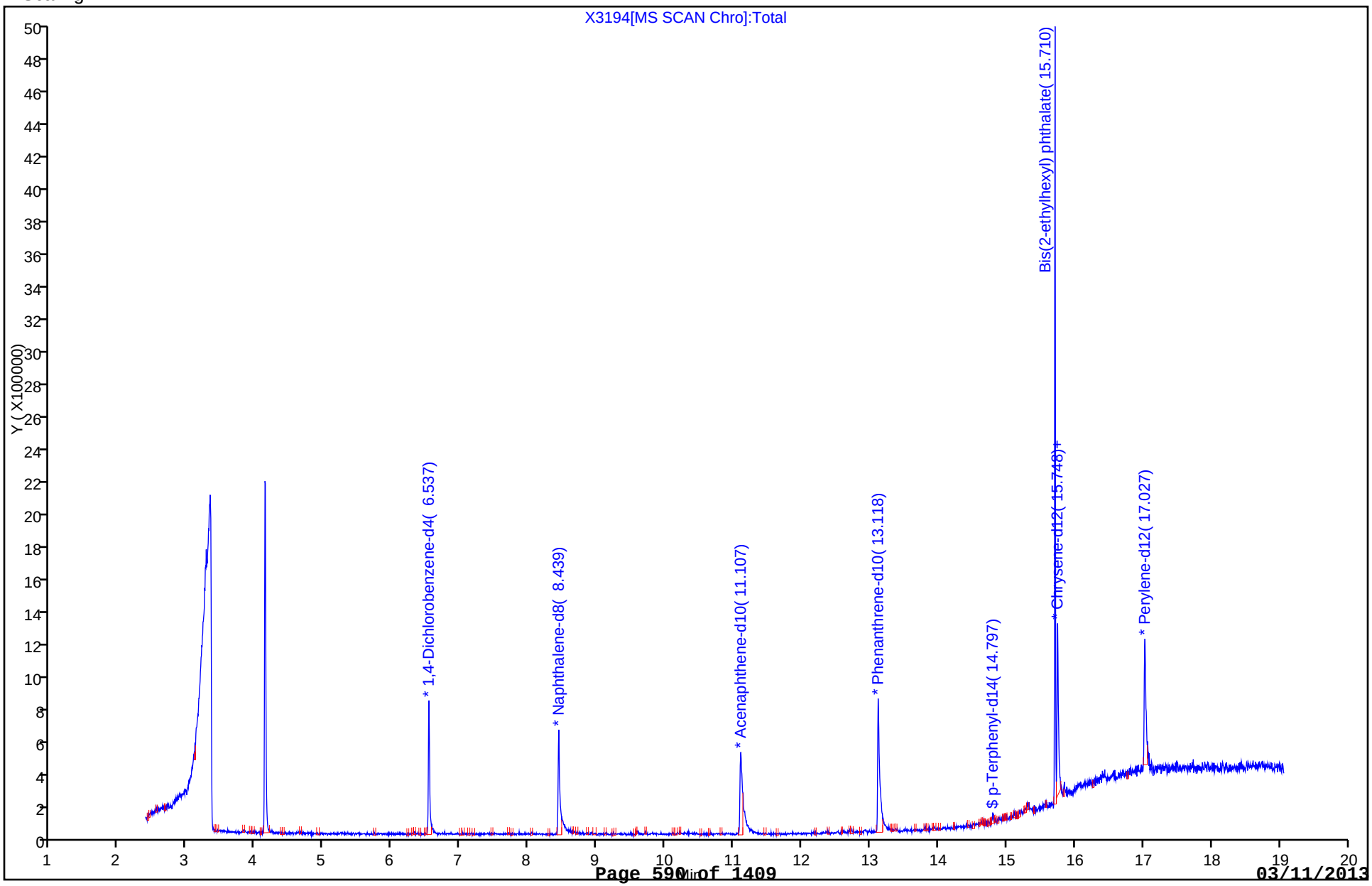
Processing Flags

Report Date: 09-Mar-2013 09:38:34 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3194.D		
Injection Date:	20-Dec-2012 11:52:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-517-6.0/8.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	5
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:

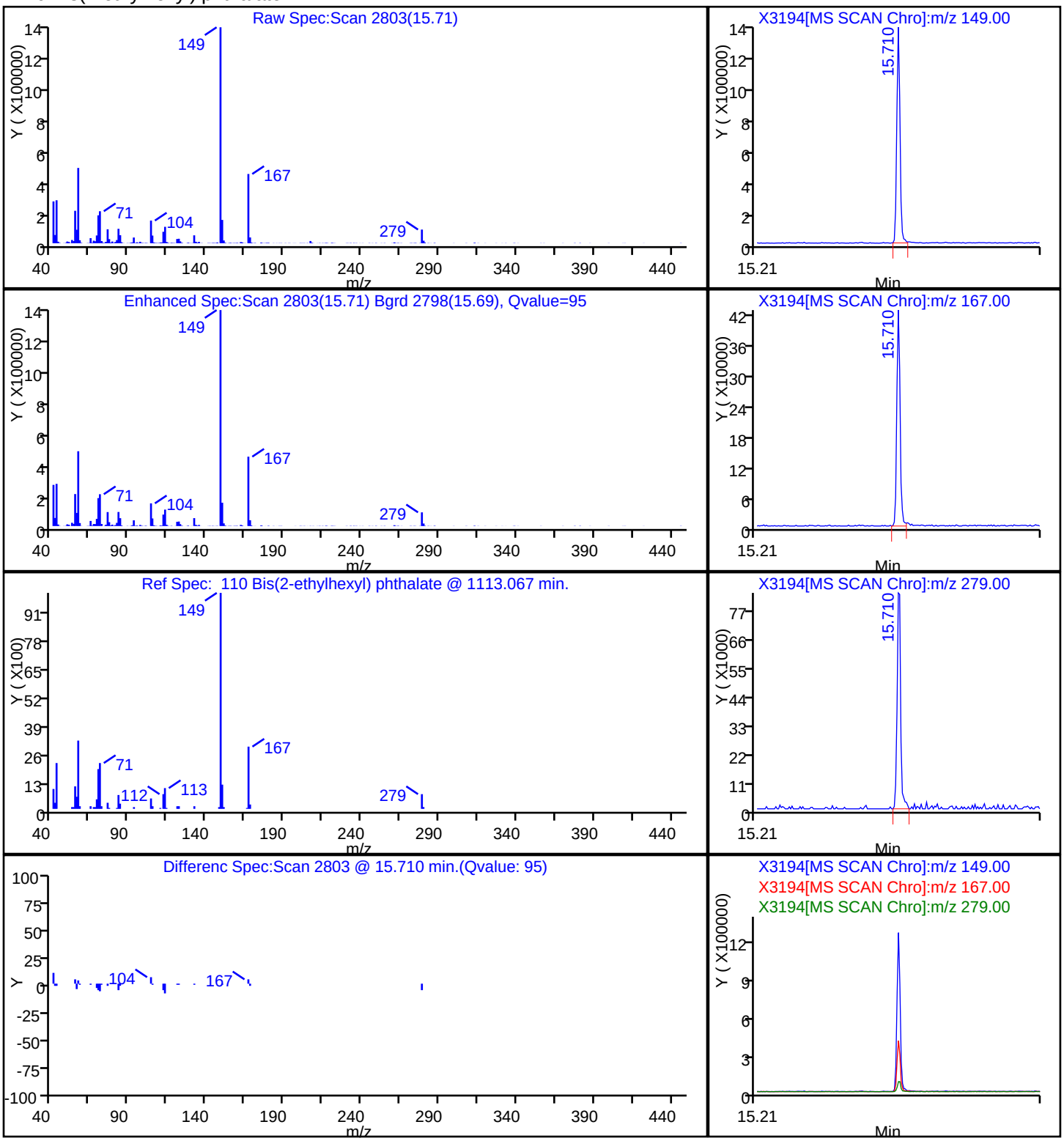


Report Date: 09-Mar-2013 09:38:34 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3194.D		
Injection Date:	20-Dec-2012 11:52:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-517-6.0/8.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	5
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

110 Bis(2-ethylhexyl) phthalate

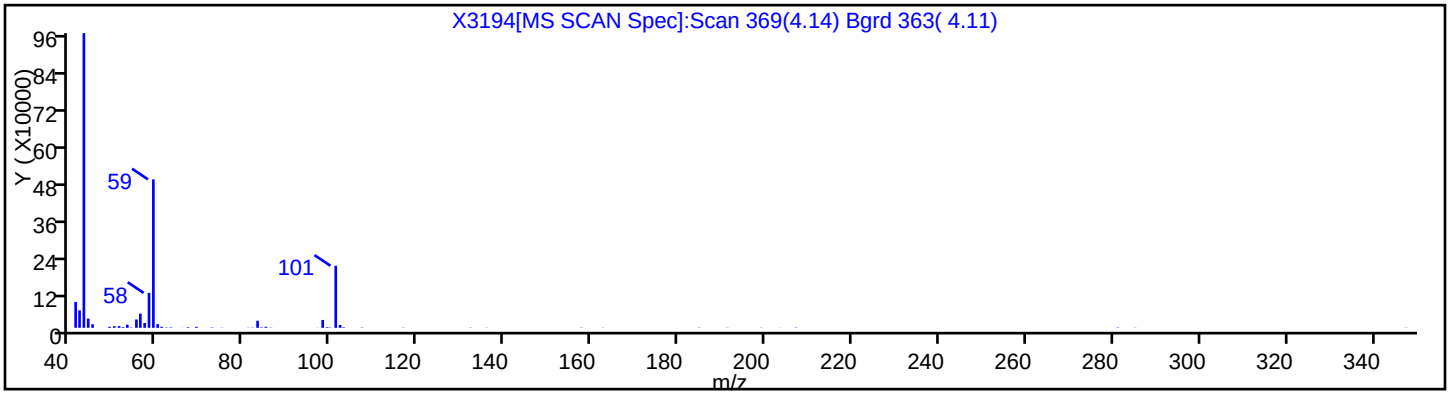


Report Date: 09-Mar-2013 09:38:34 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3194.D		
Injection Date:	20-Dec-2012 11:52:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-517-6.0/8.0-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	5
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.: 480-30106-1

SDG No.:

Client Sample ID: OC-SB-517-18/20-XXX | Lab Sample ID: 480-30106-15

Matrix: Solid | Lab File ID: X3182.D

Analysis Method: 8270D | Date Collected: 12/12/2012 12:40

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

Sample wt/vol: 000030.2(g) | Date Analyzed: 12/19/2012 22:45

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

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

% Moisture: 21.9 | 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		210	85
95-95-4	2,4,5-Trichlorophenol	ND		42	14
62-53-3	Aniline	ND		42	13
67-72-1	Hexachloroethane	ND		42	13
131-11-3	Dimethyl phthalate	ND		42	13
105-67-9	2,4-Dimethylphenol	ND	*	42	13
78-59-1	Isophorone	ND		42	13
86-73-7	Fluorene	ND		42	13
132-64-9	Dibenzofuran	ND		42	13
208-96-8	Acenaphthylene	ND		42	13
120-83-2	2,4-Dichlorophenol	ND		42	13
191-24-2	Benzo[g,h,i]perylene	ND		42	13
118-74-1	Hexachlorobenzene	ND		42	13
117-84-0	Di-n-octyl phthalate	ND		42	13
87-68-3	Hexachlorobutadiene	ND		42	13
85-01-8	Phenanthrene	ND		42	13
88-75-5	2-Nitrophenol	ND	*	42	17
207-08-9	Benzo[k]fluoranthene	ND		42	22
51-28-5	2,4-Dinitrophenol	ND	*	42	34
120-12-7	Anthracene	ND		42	13
91-57-6	2-Methylnaphthalene	ND		42	13
84-74-2	Di-n-butyl phthalate	ND		210	64
120-82-1	1,2,4-Trichlorobenzene	ND		42	13
129-00-0	Pyrene	ND		42	13
121-14-2	2,4-Dinitrotoluene	ND		42	13
53-70-3	Dibenz(a,h)anthracene	ND		42	13
541-73-1	1,3-Dichlorobenzene	ND		42	13
98-95-3	Nitrobenzene	ND		42	13
91-20-3	Naphthalene	ND		42	13
88-06-2	2,4,6-Trichlorophenol	ND		42	18
87-86-5	Pentachlorophenol	ND		42	13
206-44-0	Fluoranthene	ND		42	13
91-94-1	3,3'-Dichlorobenzidine	ND		85	15
101-55-3	4-Bromophenyl phenyl ether	ND		42	13

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30106-1

SDG No.:

Client Sample ID: OC-SB-517-18/20-XXX | Lab Sample ID: 480-30106-15

Matrix: Solid | Lab File ID: X3182.D

Analysis Method: 8270D | Date Collected: 12/12/2012 12:40

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

Sample wt/vol: 000030.2(g) | Date Analyzed: 12/19/2012 22:45

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

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

% Moisture: 21.9 | 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		42	14
95-48-7	2-Methylphenol	ND		42	13
95-50-1	1,2-Dichlorobenzene	ND		42	13
108-60-1	2,2'-oxybis[1-chloropropane]	ND		42	13
98-86-2	Acetophenone	ND		42	13
111-44-4	Bis(2-chloroethyl)ether	ND		42	13
56-55-3	Benzo[a]anthracene	ND		42	13
193-39-5	Indeno[1,2,3-cd]pyrene	ND		42	13
85-68-7	Butyl benzyl phthalate	ND		42	13
218-01-9	Chrysene	ND		42	13
83-32-9	Acenaphthene	ND		42	13
205-99-2	Benzo[b]fluoranthene	ND		42	13
100-02-7	4-Nitrophenol	ND	*	210	18
106-47-8	4-Chloroaniline	ND	*	85	38
95-57-8	2-Chlorophenol	ND		42	13
606-20-2	2,6-Dinitrotoluene	ND	*	42	36
108-95-2	Phenol	ND		42	13
15831-10-4	3 & 4 Methylphenol	ND		42	13
106-46-7	1,4-Dichlorobenzene	ND		42	13
111-91-1	Bis(2-chloroethoxy)methane	ND		42	13
91-58-7	2-Chloronaphthalene	ND		42	13
621-64-7	N-Nitrosodi-n-propylamine	ND		42	13
7005-72-3	4-Chlorophenyl phenyl ether	ND		42	13
59-50-7	4-Chloro-3-methylphenol	ND		85	13
50-32-8	Benzo[a]pyrene	ND		42	13
106-44-5	4-Methylphenol	ND		42	13
100-01-6	4-Nitroaniline	ND		210	36
88-74-4	2-Nitroaniline	ND		210	53
105-60-2	Caprolactam	ND		42	13
86-74-8	Carbazole	ND		42	13
534-52-1	4,6-Dinitro-2-methylphenol	ND		210	41
90-12-0	1-Methylnaphthalene	ND		42	13
86-30-6	N-Nitrosodiphenylamine	ND		42	13
1912-24-9	Atrazine	ND		42	13

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30106-1

SDG No.:

Client Sample ID: OC-SB-517-18/20-XXX | Lab Sample ID: 480-30106-15

Matrix: Solid | Lab File ID: X3182.D

Analysis Method: 8270D | Date Collected: 12/12/2012 12:40

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

Sample wt/vol: 000030.2(g) | Date Analyzed: 12/19/2012 22:45

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

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

% Moisture: 21.9 | 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		42	13
100-52-7	Benzaldehyde	ND		42	13
103-33-3	Azobenzene	ND		42	13
77-47-4	Hexachlorocyclopentadiene	ND		85	13
99-09-2	3-Nitroaniline	ND		210	13
62-75-9	N-Nitrosodimethylamine	ND		42	13
100-51-6	Benzyl alcohol	ND		85	13
92-52-4	1,1'-Biphenyl	ND		42	13
58-90-2	2,3,4,6-Tetrachlorophenol	ND		42	13
119-61-9	Benzophenone	ND		42	13
65-85-0	Benzoic acid	ND		210	19
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		42	13

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	93		30-130
367-12-4	2-Fluorophenol	89		30-130
4165-60-0	Nitrobenzene-d5	79		30-130
4165-62-2	Phenol-d5	90		30-130
321-60-8	2-Fluorobiphenyl	81		30-130
1718-51-0	p-Terphenyl-d14	78		30-130

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

Lab Name: TestAmerica Buffalo | Job No.: 480-30106-1

SDG No.:

Client Sample ID: OC-SB-517-18/20-XXX | Lab Sample ID: 480-30106-15

Matrix: Solid | Lab File ID: X3182.D

Analysis Method: 8270D | Date Collected: 12/12/2012 12:40

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

Sample wt/vol: 000030.2(g) | Date Analyzed: 12/19/2012 22:45

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

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

% Moisture: 21.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 96568 | Units: ug/Kg

Number TICs Found: 7 | TIC Result Total: 5137

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	3.86	59	T J
	Unknown	4.22	4900	T J
95-47-6	Benzene, 1,2-dimethyl-	4.66	31	T J N
	Unknown	6.34	28	T J
	Unknown	15.87	23	T J
112-95-8	Eicosane	16.40	48	T J N
629-78-7	Heptadecane	16.68	48	T J N

Report Date: 09-Mar-2013 09:49:29 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3182.D		
Lims ID:	480-30106-B-15-B	Client ID:	OC-SB-517-18/20-XXX
Inject. Date:	19-Dec-2012 22:45:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-0017692-029		
Misc. Info.:			
Operator:	ANM	Instrument ID:	HP5973X
Injection Vol:	1.0 ul	ALS Bottle#:	30
Lims Batch ID:	96568	Lims Sample ID:	29
Detector:	MS SCAN		

Method:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X-8270LL.m		
Last Update:	09-Mar-2013 09:48:53	Calib Date:	18-Dec-2012 14:44:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3139.D		
Limit Group:	MB - 8270RCP_MCP ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm
Process Host:	XAWRK034		

First Level Reviewer: mckernar Date: 20-Dec-2012 09:47:49

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.565	6.546	0.019	81	222782	5.00	
* 2 Naphthalene-d8	136	8.448	8.482	-0.034	98	843972	5.00	
* 3 Acenaphthene-d10	164	11.083	11.107	-0.024	93	498549	5.00	
* 4 Phenanthrene-d10	188	13.104	13.104	0.0	96	752833	5.00	
* 5 Chrysene-d12	240	15.758	15.753	0.005	90	597954	5.00	
* 6 Perylene-d12	264	17.042	17.037	0.005	95	474247	5.00	M
$ 7 2-Fluorophenol	112	4.696	4.620	0.076	0	89734	1.77	M
$ 8 Phenol-d5	99	6.118	6.056	0.062	88	111140	1.81	M
$ 9 Nitrobenzene-d5	82	7.407	7.407	0.0	83	99884	1.58	
$ 10 2-Fluorobiphenyl	172	10.103	10.122	-0.019	91	202599	1.62	
$ 11 2,4,6-Tribromophenol	330	12.277	12.257	0.020	0	25810	1.86	M
$ 12 p-Terphenyl-d14	244	14.783	14.778	0.005	94	180721	1.57	
19 N-Nitrosodimethylamine	42		2.718					
21 Benzaldehyde	77		5.895					1
23 Aniline	93		6.066					1
22 Phenol	94		6.075					9
24 Bis(2-chloroethyl)ether	93		6.170					1
25 2-Chlorophenol	128		6.237					
26 1,3-Dichlorobenzene	146		6.456					9
27 1,4-Dichlorobenzene	146		6.575					9
29 1,2-Dichlorobenzene	146		6.798					9
28 Benzyl alcohol	108		6.803					
31 2-Methylphenol	108		6.988					9
32 2,2'-oxybis[1-chloropropane]	45		6.998					
33 Acetophenone	105		7.179					149
34 N-Nitrosodi-n-propylamine	70		7.193					14
35 DFTPP								
36 4-Methylphenol	108		7.245					
37 Hexachloroethane	117		7.302					
38 Nitrobenzene	77		7.435					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
40 Isophorone	82		7.806					
41 2-Nitrophenol	139		7.925					
43 2,4-Dimethylphenol	107		8.039					9
45 Bis(2-chloroethoxy)methane	93		8.163					149
44 Benzoic acid	105		8.220					14
47 2,4-Dichlorophenol	162		8.315					
48 1,2,4-Trichlorobenzene	180		8.405					
49 Naphthalene	128		8.515					9
51 4-Chloroaniline	127		8.643					
52 Hexachlorobutadiene	225		8.715					
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					
63 2-Chloronaphthalene	162		10.312					
64 Phenyl ether	170		10.427					
65 2-Nitroaniline	65		10.484					19
67 Dimethyl phthalate	163		10.764					9
68 2,6-Dinitrotoluene	165		10.850					19
69 Acenaphthylene	152		10.893					
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					
75 4-Nitrophenol	109		11.487					129
76 2,3,4,6-Tetrachlorophenol	232		11.635					
78 Diethyl phthalate	149		11.810					
79 Fluorene	166		11.915					
80 4-Chlorophenyl phenyl ether	204		11.934					
81 4-Nitroaniline	138		12.015					19
82 4,6-Dinitro-2-methylphenol	198		12.043					
83 N-Nitrosodiphenylamine	169		12.105					139
16 1,2-Diphenylhydrazine	77		12.148					14
85 Azobenzene	77		12.148					14
86 Benzophenone	105		12.172					14
89 4-Bromophenyl phenyl ether	248		12.571					
91 Hexachlorobenzene	284		12.633					
93 Atrazine	200		12.823					9
94 Pentachlorophenol	266		12.904					
97 Phenanthrene	178		13.128					
98 Anthracene	178		13.190					
99 Carbazole	167		13.399					
102 Di-n-butyl phthalate	149		13.784					
104 Fluoranthene	202		14.407					
106 Pyrene	202		14.631					9
108 Butyl benzyl phthalate	149		15.230					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
109 3,3'-Dichlorobenzidine	252		15.724					
110 Bis(2-ethylhexyl) phthalate	149	15.720	15.729	-0.009	86	76448	0.6268	
111 Benzo[a]anthracene	228		15.743					
112 Chrysene	228		15.777					9
113 Di-n-octyl phthalate	149		16.266					9
114 Benzo[b]fluoranthene	252		16.680					9
115 Benzo[k]fluoranthene	252		16.704					9
116 Benzo[a]pyrene	252		16.985					9
117 Indeno[1,2,3-cd]pyrene	276		18.126					
118 Dibenz(a,h)anthracene	278		18.126					
119 Benzo[g,h,i]perylene	276		18.444					
S 120 3 & 4 Methylphenol	108		0.000					

QC Flag Legend

Processing Flags
1 - Missing Peaks
2 - Failed Coelution Test
3 - Failed RT Window Test
4 - Failed Signal Ratio Test
9 - Failed A Reference Spectral Test

Review Flags
M - Manually Integrated

TestAmerica Buffalo
Tentatively Identified Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3182.D		
Lims ID:	480-30106-B-15-B	Client ID:	OC-SB-517-18/20-XXX
Inject. Date:	19-Dec-2012 22:45:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-0017692-029		
Misc. Info.:			
Operator:	ANM	Instrument ID:	HP5973X
Injection Vol:	1.0 ul	ALS Bottle#:	30
Lims Batch ID:	96568	Lims Sample ID:	29
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X-8270LL.m		
Last Update:	09-Mar-2013 09:48:53	Calib Date:	18-Dec-2012 14:44:30
Tic RT Window:	1.500 -0.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\Bufchrom\ChromData\Database\NIST98.L		
Min. Match:	85		
Process Host:	XAWRK034		
First Level Reviewer: mckernar		Date:	20-Dec-2012 09:47:49

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ng/uL	Flags
1,4-Dioxane	2.414	1717		
Pyridine	2.789	522	0.0126	
Benzidine	14.574	510	0.007722	

Tentative Identified Compound Results

RT	Response	Amount ng/uL	Quant Cpnd	Qual	Lib Entry	Flags
		Unknown				
3.859	430037	1.39	1			
		Unknown				
4.216	35928940	115.7	1			
95-47-6		Benzene, 1,2-dimethyl-				
4.663	225083	0.7251	1	91	117408	
		Unknown				
6.342	208582	0.6719	1			
		Unknown				
15.872	180494	0.5470	5			
112-95-8		Eicosane				
16.400	267999	1.12	6	92	16454	
629-78-7		Heptadecane				
16.680	269364	1.13	6	89	112321	

Report Date: 09-Mar-2013 09:49:29 Chrom Revision: 2.0 01-Feb-2013 10:03:10
Data File: \\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3182.D
Quantitation Compounds

Compound	RT	Response	Amount ng/uL
* 1 1,4-Dichlorobenzene-d4	6.565	1552090	5.00
* 5 Chrysene-d12	15.758	1649767	5.00
* 6 Perylene-d12	17.042	1194238	5.00

QC Flag Legend

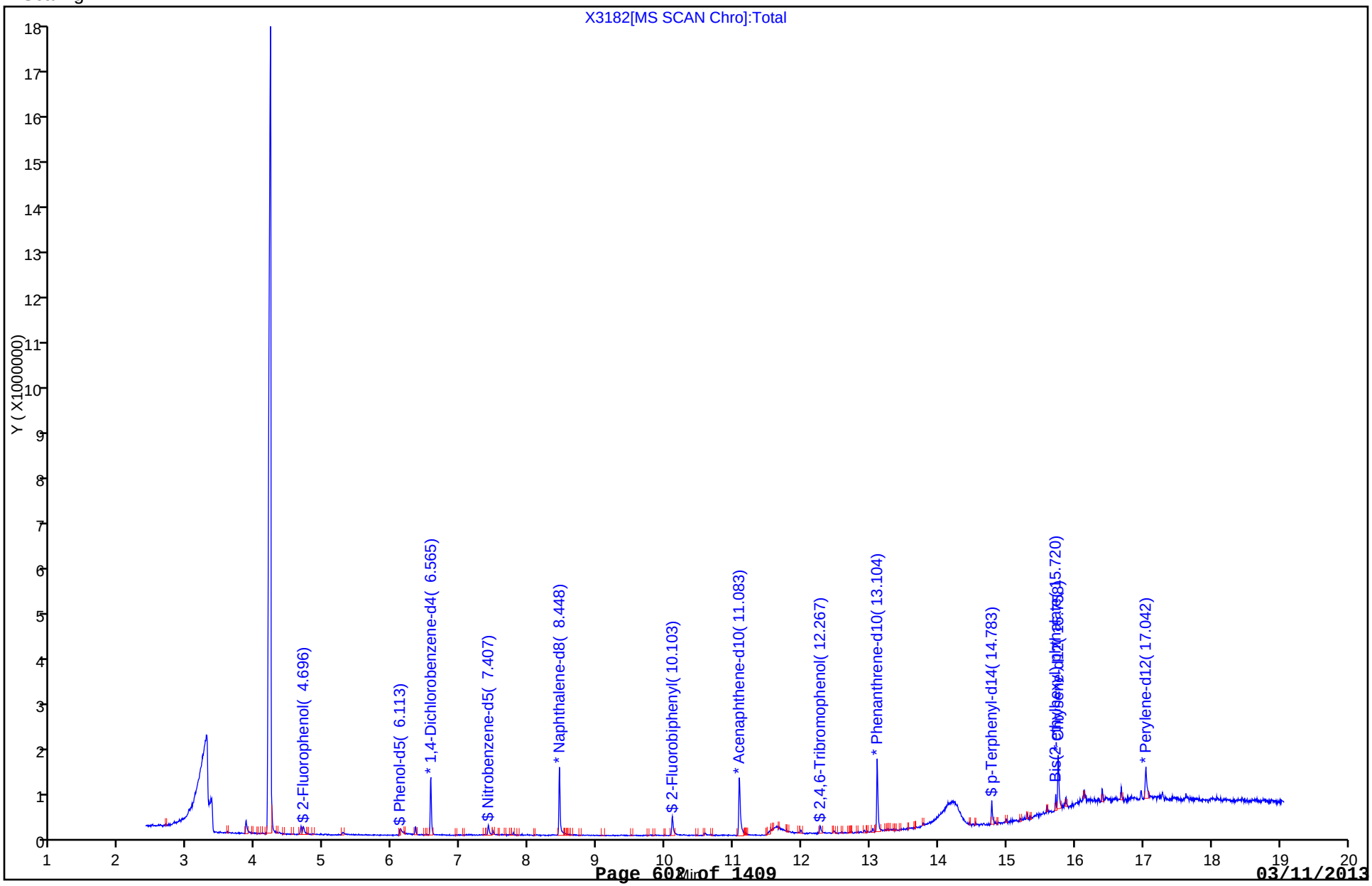
Processing Flags

Report Date: 09-Mar-2013 09:49:29 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3182.D		
Injection Date:	19-Dec-2012 22:45:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-517-18/20-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	29
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 09:49:29 Chrom Revision: 2.0 01-Feb-2013 10:03:10

Manual Integration/User Assign Peak Report

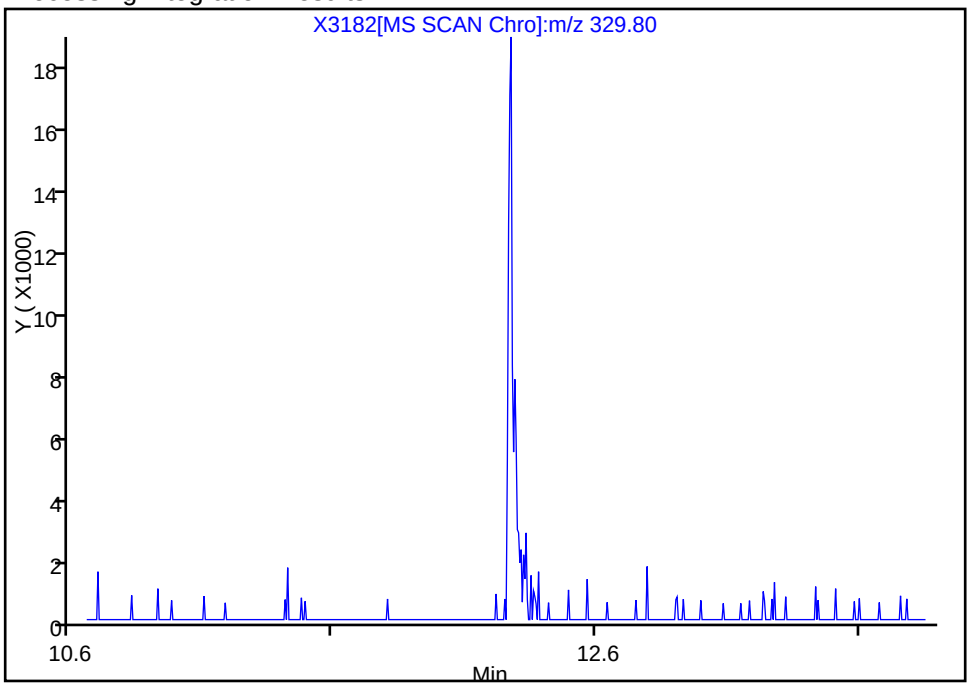
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3182.D		
Injection Date:	19-Dec-2012 22:45:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-517-18/20-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	29
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

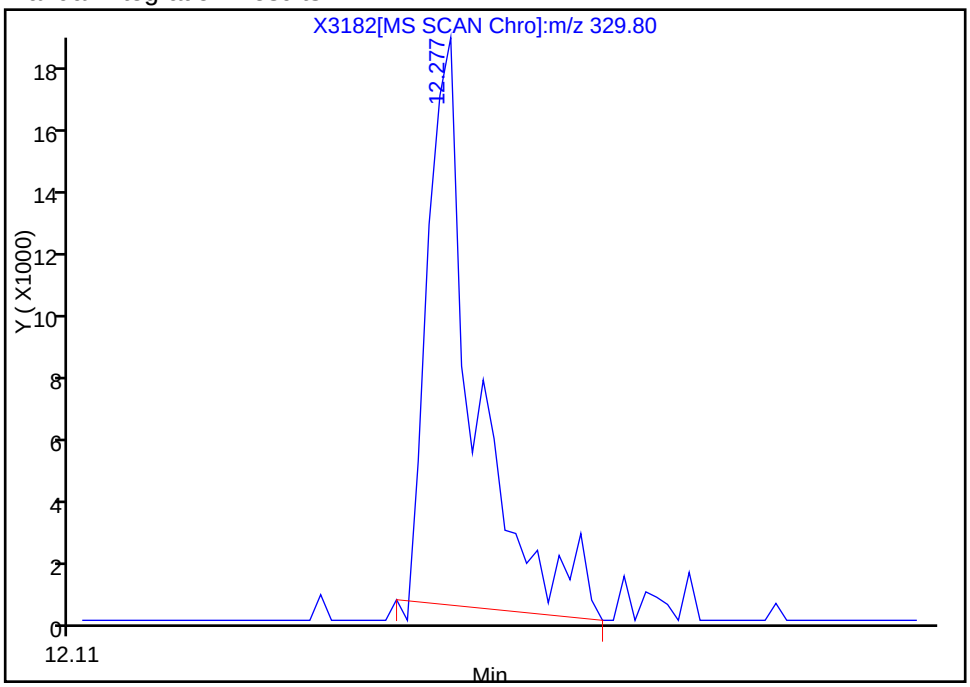
Processing Integration Results

Not Detected
Expected RT: 12.26



Manual Integration Results

RT: 12.28
Response: 25810
Amount: 1.863650



Reviewer: mckernar, 20-Dec-2012 09:47:49
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 09-Mar-2013 09:49:29 Chrom Revision: 2.0 01-Feb-2013 10:03:10

Manual Integration/User Assign Peak Report

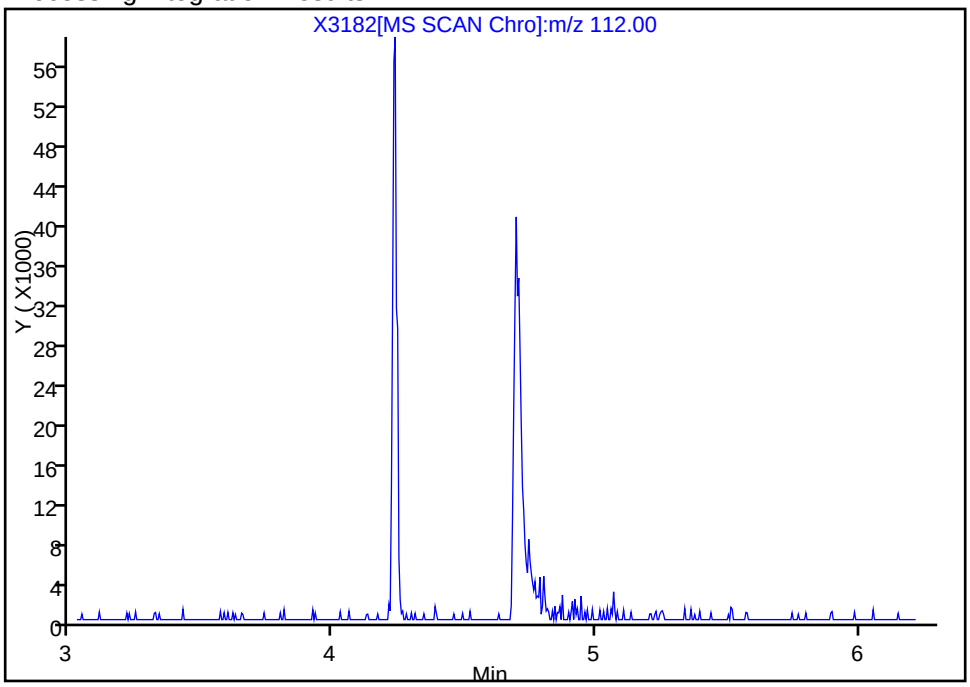
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3182.D		
Injection Date:	19-Dec-2012 22:45:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-517-18/20-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	29
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

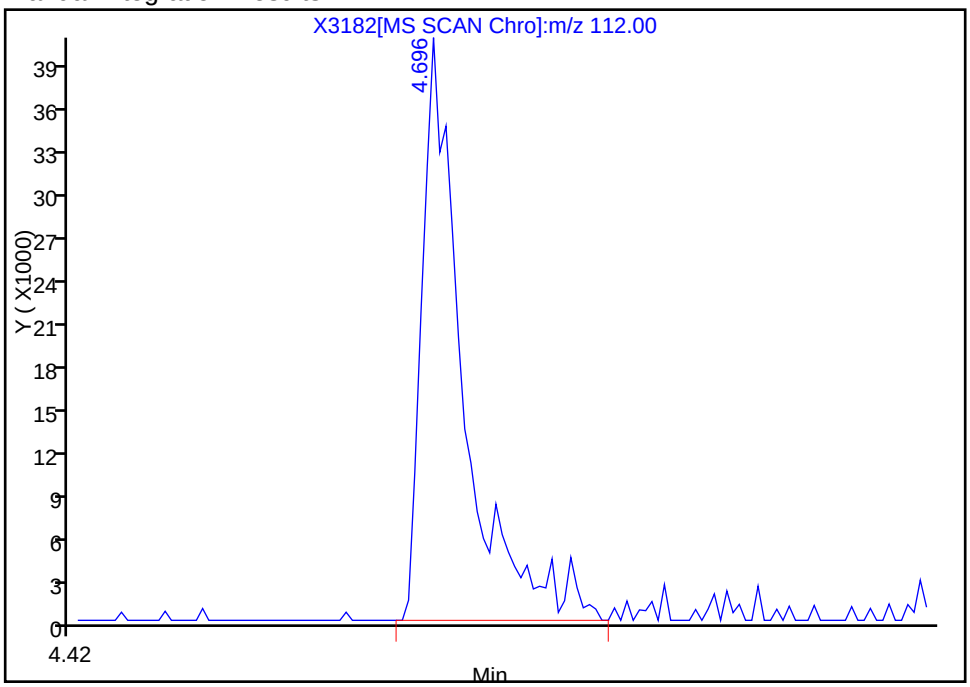
Processing Integration Results

Not Detected
Expected RT: 4.62



Manual Integration Results

RT: 4.70
Response: 89734
Amount: 1.774934



Reviewer: mckernar, 20-Dec-2012 09:47:49
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 09-Mar-2013 09:49:29 Chrom Revision: 2.0 01-Feb-2013 10:03:10

Manual Integration/User Assign Peak Report

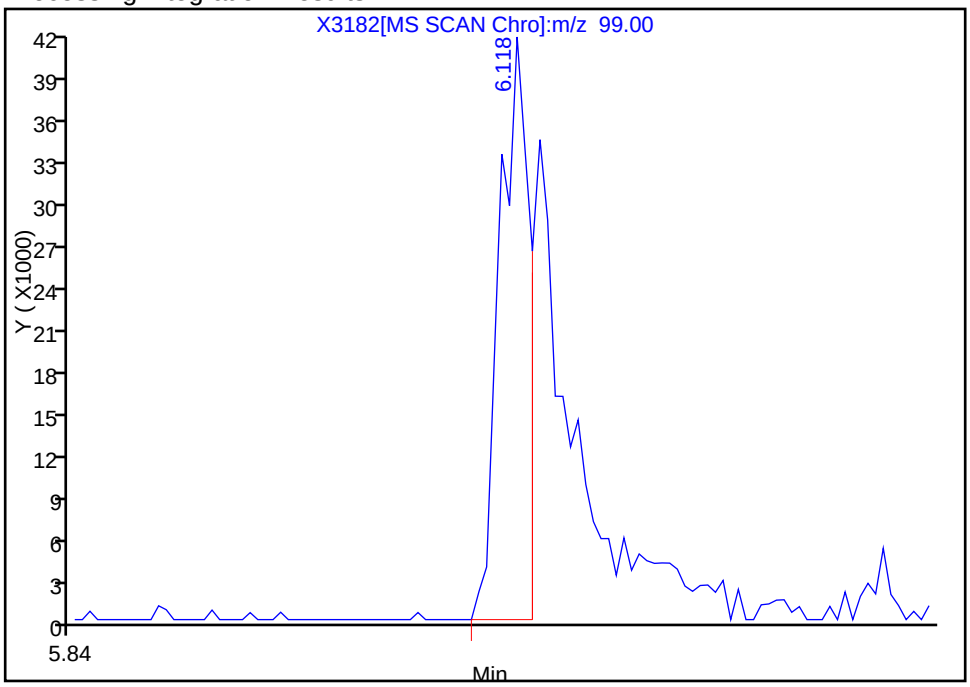
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3182.D		
Injection Date:	19-Dec-2012 22:45:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-517-18/20-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	29
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

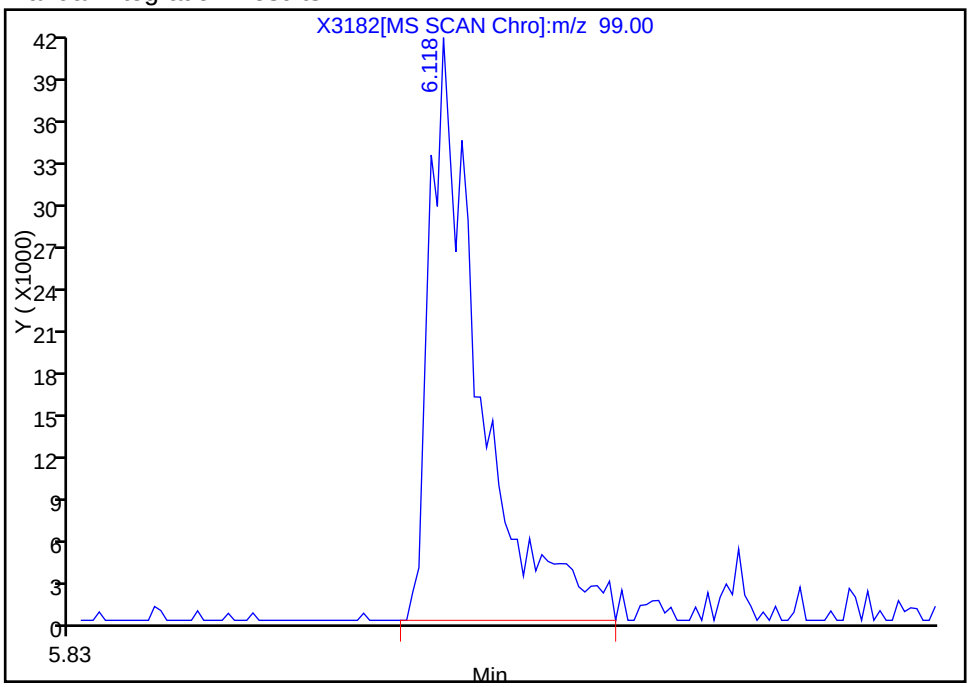
Processing Integration Results

RT: 6.12
Response: 53885
Amount: 0.813745



Manual Integration Results

RT: 6.12
Response: 111140
Amount: 1.806242



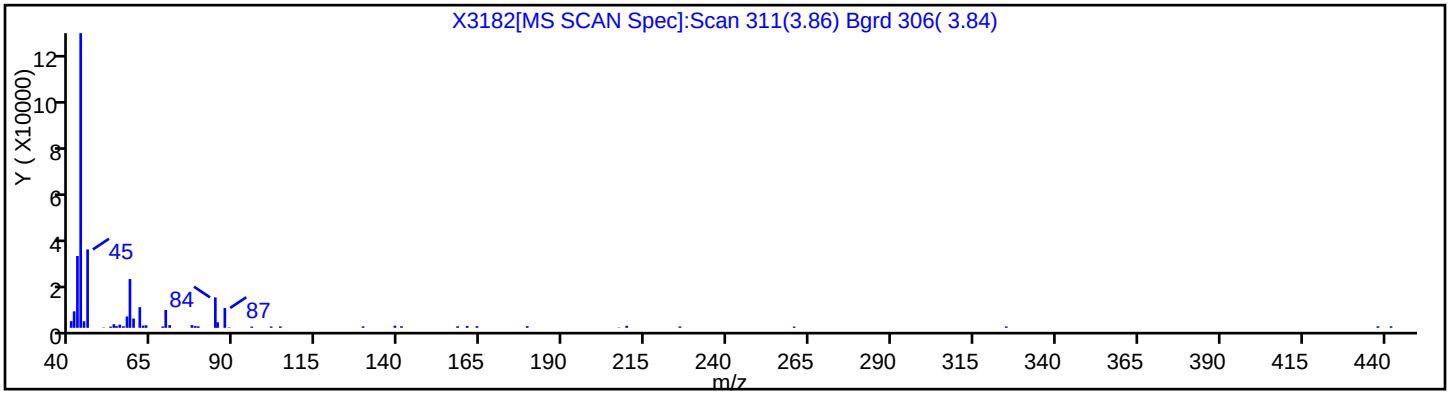
Reviewer: mckernar, 20-Dec-2012 09:47:49
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 09-Mar-2013 09:49:30 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3182.D		
Injection Date:	19-Dec-2012 22:45:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-517-18/20-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	29
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

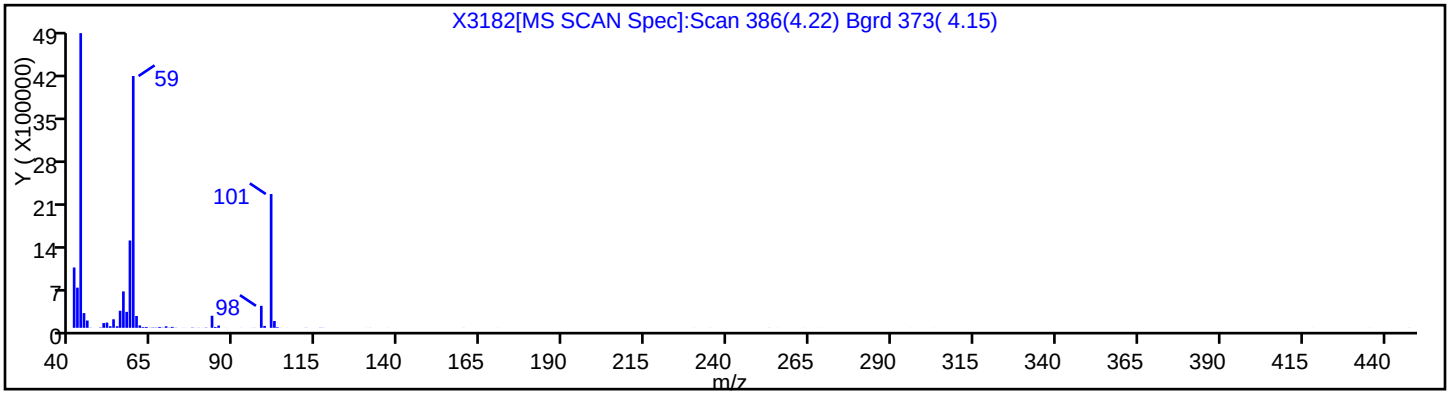


Report Date: 09-Mar-2013 09:49:30 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3182.D		
Injection Date:	19-Dec-2012 22:45:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-517-18/20-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	29
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

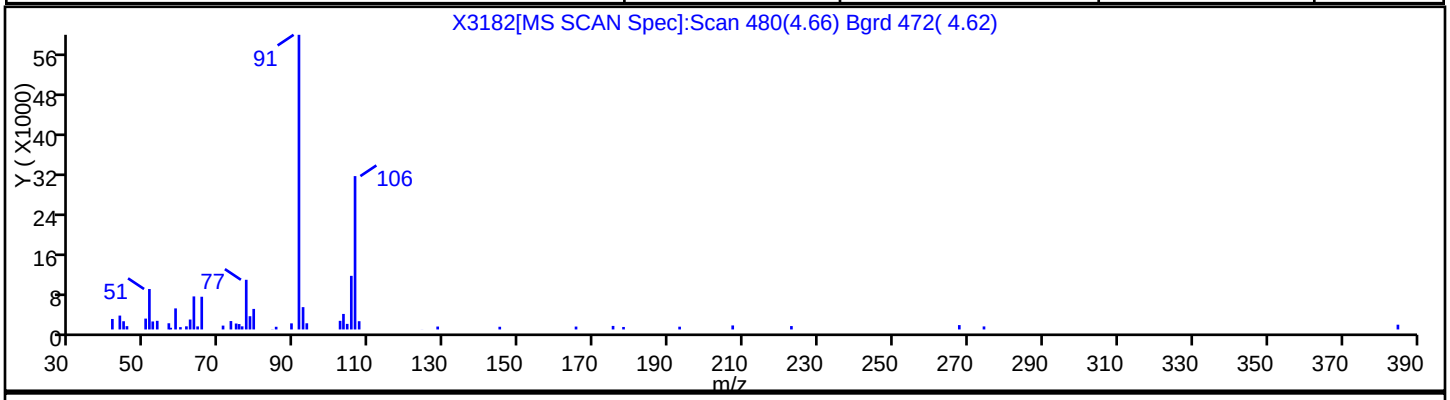


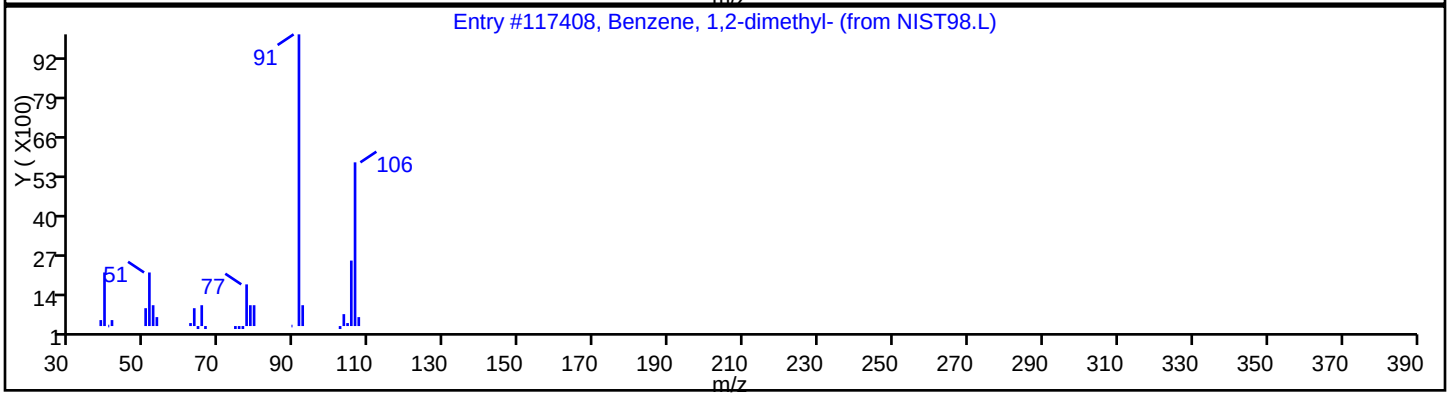
Report Date: 09-Mar-2013 09:49:30 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3182.D		
Injection Date:	19-Dec-2012 22:45:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-517-18/20-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	29
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	117408	91



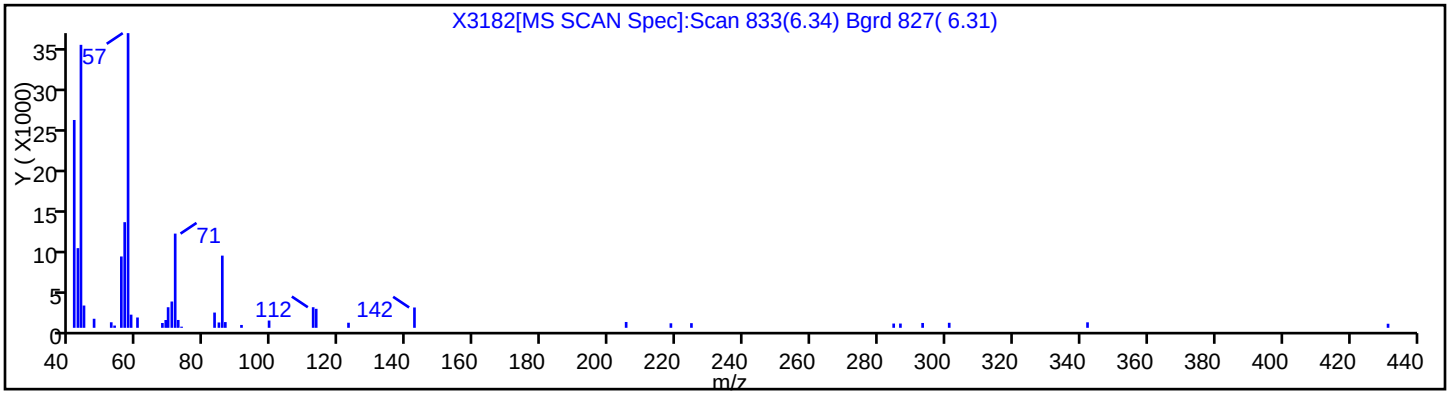


Report Date: 09-Mar-2013 09:49:30 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3182.D		
Injection Date:	19-Dec-2012 22:45:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-517-18/20-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	29
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

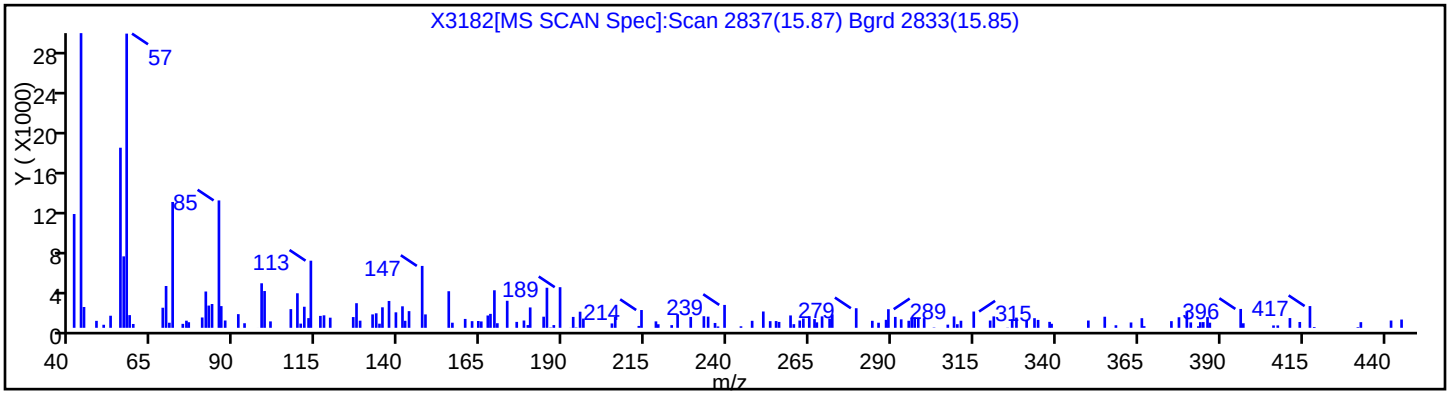


Report Date: 09-Mar-2013 09:49:30 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3182.D		
Injection Date:	19-Dec-2012 22:45:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-517-18/20-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	29
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

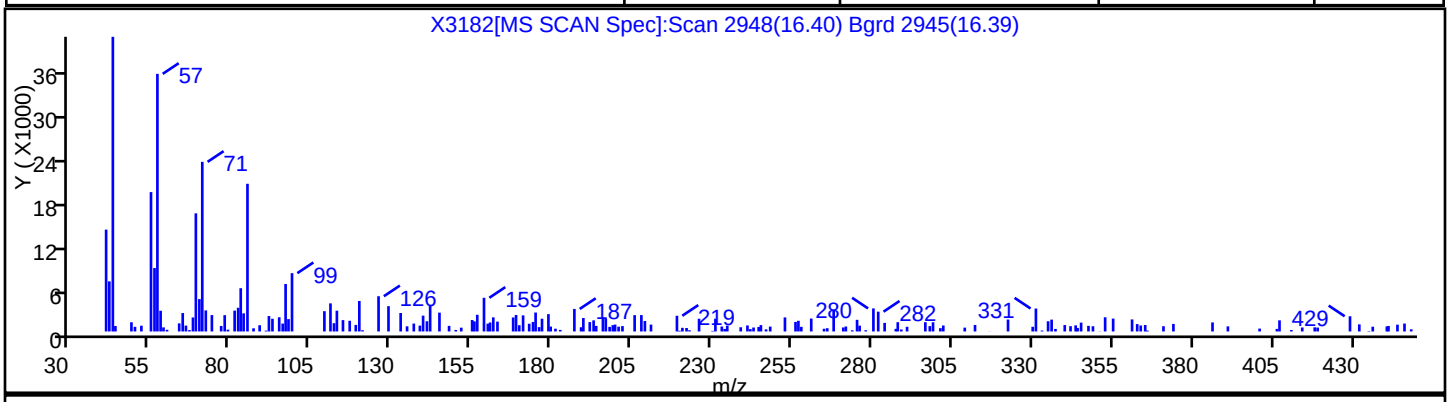


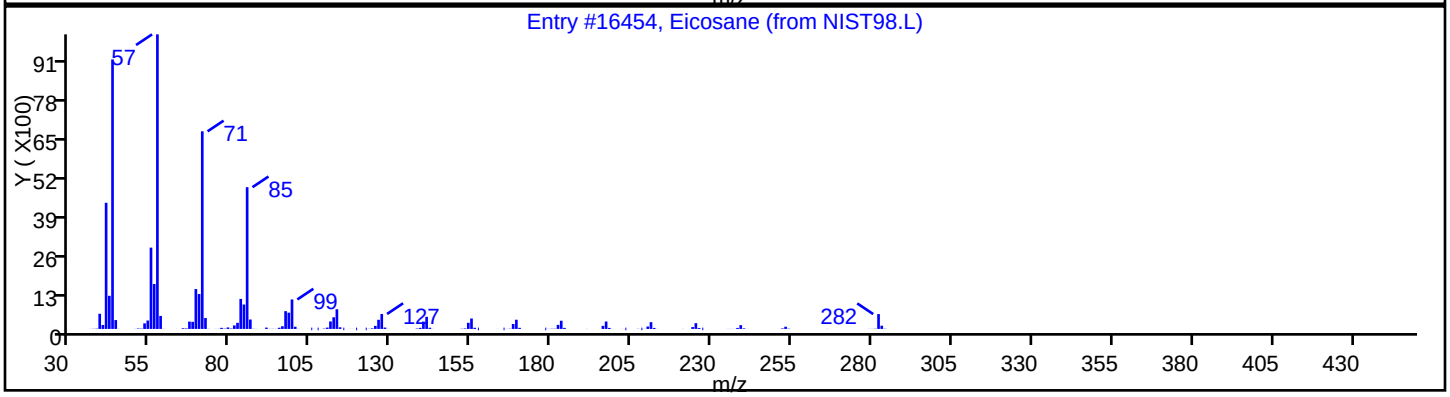
Report Date: 09-Mar-2013 09:49:30 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3182.D		
Injection Date:	19-Dec-2012 22:45:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-517-18/20-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	29
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
Eicosane	112-95-8	NIST98.L	16454	92



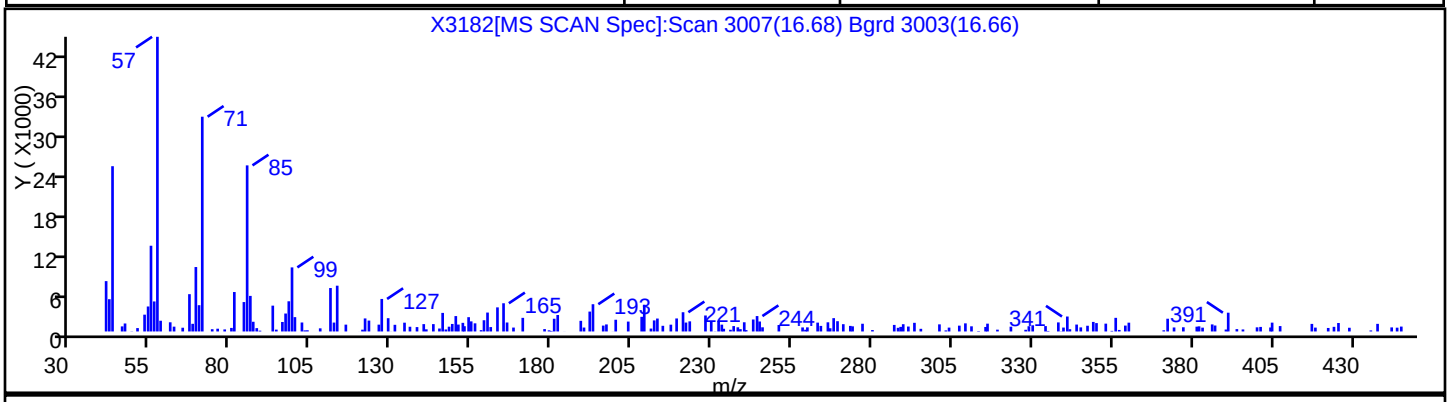


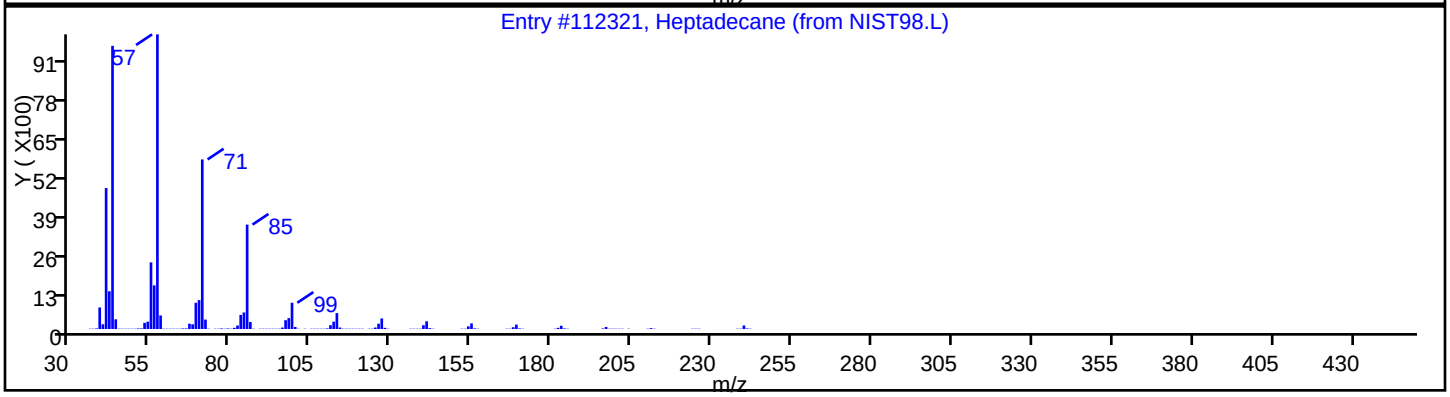
Report Date: 09-Mar-2013 09:49:30 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3182.D		
Injection Date:	19-Dec-2012 22:45:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-517-18/20-XXX	Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	29
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	629-78-7	NIST98.L	112321	89





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

Lab Name: TestAmerica Buffalo Job No.: 480-30106-1 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.: 480-30106-1 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.: 480-30106-1 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.: 480-30106-1 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.: 480-30106-1 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.: 480-30106-1 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.: 480-30106-1 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.: 480-30106-1 Analy Batch No.: 96347

SDG No.:

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/18/2012 11:20 Calibration End Date: 12/18/2012 14:44 Calibration ID: 11641

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
2,4,6-Trichlorophenol	ANT	Ave		11611	27547	72851	156965		0.500	1.00	2.50	5.00
			423301	337292	551924	745358		8.00	10.0	15.0	20.0	
2,4,5-Trichlorophenol	ANT	Ave		14692	23950	73198	137551		0.500	1.00	2.50	5.00
			387150	310061	522303	739930		8.00	10.0	15.0	20.0	
1,1'-Biphenyl	ANT	Ave		70247	147932	378332	809768		0.500	1.00	2.50	5.00
			1980431	1623648	2539483	3372086		8.00	10.0	15.0	20.0	
2-Chloronaphthalene	ANT	Lin1		115849	165356	323689	668430		0.500	1.00	2.50	5.00
			1457956	1187040	1959232	2635052		8.00	10.0	15.0	20.0	
Phenyl ether	ANT	Ave		38232	78549	206565	449001		0.500	1.00	2.50	5.00
			1031531	880313	1381412	1925297		8.00	10.0	15.0	20.0	
2-Nitroaniline	ANT	Ave		14515	24342	71533	174954		0.500	1.00	2.50	5.00
			487023	414625	680120	974942		8.00	10.0	15.0	20.0	
Dimethyl phthalate	ANT	Ave		58407	131233	340849	712993		0.500	1.00	2.50	5.00
			1765594	1466290	2327603	3207926		8.00	10.0	15.0	20.0	
2,6-Dinitrotoluene	ANT	Ave		21625	60374	146693	327996		0.500	1.00	2.50	5.00
			832086	682331	1103880	1566924		8.00	10.0	15.0	20.0	
Acenaphthylene	ANT	Ave		88280	189943	462652	946253		0.500	1.00	2.50	5.00
			2328468	1934738	3043882	3983727		8.00	10.0	15.0	20.0	
3-Nitroaniline	ANT	Ave			21070	74904	135474			1.00	2.50	5.00
			424215	344877	606310	789115		8.00	10.0	15.0	20.0	
Acenaphthene	ANT	Ave	17157	60610	124892	302406	636064	0.100	0.500	1.00	2.50	5.00
			1522028	1279309	2009024	2728770		8.00	10.0	15.0	20.0	
2,4-Dinitrophenol	ANT	QuaF			7990	35900	117671			2.00	5.00	10.0
			362929	263071	495556	846602		16.0	20.0	30.0	40.0	
Dibenzofuran	ANT	Ave	9367	78290	158117	406272	881367	0.100	0.500	1.00	2.50	5.00
			2086550	1759046	2713459	3637301		8.00	10.0	15.0	20.0	
2,4-Dinitrotoluene	ANT	Ave		13719	40061	82195	192907		0.500	1.00	2.50	5.00
			556737	434611	751696	1039381		8.00	10.0	15.0	20.0	
4-Nitrophenol	ANT	Ave			35867	117392	240901			2.00	5.00	10.0
			742608	599830	1031347	1414081		16.0	20.0	30.0	40.0	
2,3,4,6-Tetrachlorophenol	ANT	Ave		7906	25922	68881	104485		0.500	1.00	2.50	5.00
			354070	265067	363823	525225		8.00	10.0	15.0	20.0	
Diethyl phthalate	ANT	Ave		65968	157267	375633	789783		0.500	1.00	2.50	5.00
			1906615	1570153	2463981	3276872		8.00	10.0	15.0	20.0	
Fluorene	ANT	Ave		64267	142510	356637	767084		0.500	1.00	2.50	5.00
			1869207	1495486	2378424	3205979		8.00	10.0	15.0	20.0	
4-Chlorophenyl phenyl ether	ANT	Ave		28503	67135	144079	343625		0.500	1.00	2.50	5.00
			786759	690804	1051673	1460150		8.00	10.0	15.0	20.0	
4-Nitroaniline	ANT	Lin1		571	28981	71047	152208		0.500	1.00	2.50	5.00
			429983	355912	596014	816043		8.00	10.0	15.0	20.0	
4,6-Dinitro-2-methylphenol	ANT	Lin1		8320	21166	63572	203339		1.00	2.00	5.00	10.0
			599821	460957	797804	1135498		16.0	20.0	30.0	40.0	

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

Lab Name: TestAmerica Buffalo Job No.: 480-30106-1 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.: 480-30106-1 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	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
98 Anthracene	178	13.285	13.218	0.067	0	21852	0.1109	M
99 Carbazole	167		13.427					
101 Alachlor	160		13.565					
102 Di-n-butyl phthalate	149	13.846	13.803	0.043	58	15302	0.0722	
104 Fluoranthene	202		14.431					
105 Benzidine	184		14.597					
106 Pyrene	202		14.654					
107 Famphur	218		15.201					
108 Butyl benzyl phthalate	149		15.244					
110 Bis(2-ethylhexyl) phthalate	149	15.767	15.734	0.033	65	20666	0.1245	
109 3,3'-Dichlorobenzidine	252		15.743					
111 Benzo[a]anthracene	228		15.753					
112 Chrysene	228		15.791					
113 Di-n-octyl phthalate	149	16.305	16.271	0.034	57	32062	0.1225	
114 Benzo[b]fluoranthene	252		16.695					
115 Benzo[k]fluoranthene	252		16.718					
116 Benzo[a]pyrene	252	17.085	17.004	0.081	0	20183	0.1175	M
118 Dibenz(a,h)anthracene	278		18.150					
117 Indeno[1,2,3-cd]pyrene	276		18.150					
119 Benzo[g,h,i]perylene	276		18.468					
S 121 3-Methylphenol	1		0.000					

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

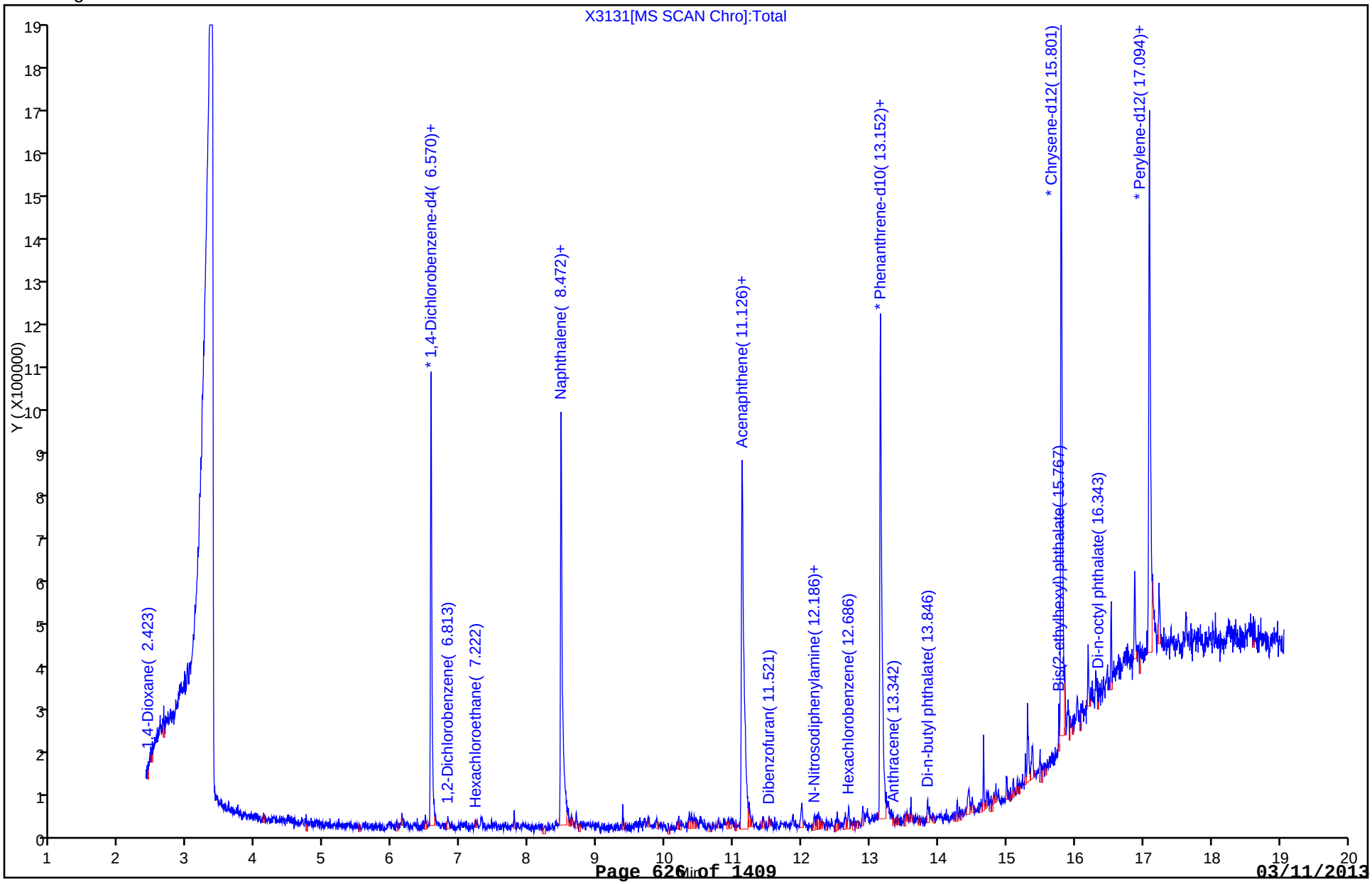
Review Flags
M - Manually Integrated

Report Date: 18-Dec-2012 16:42:57 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3131.D		
Injection Date:	18-Dec-2012 11:20:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	2
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:



Manual Integration/User Assign Peak Report

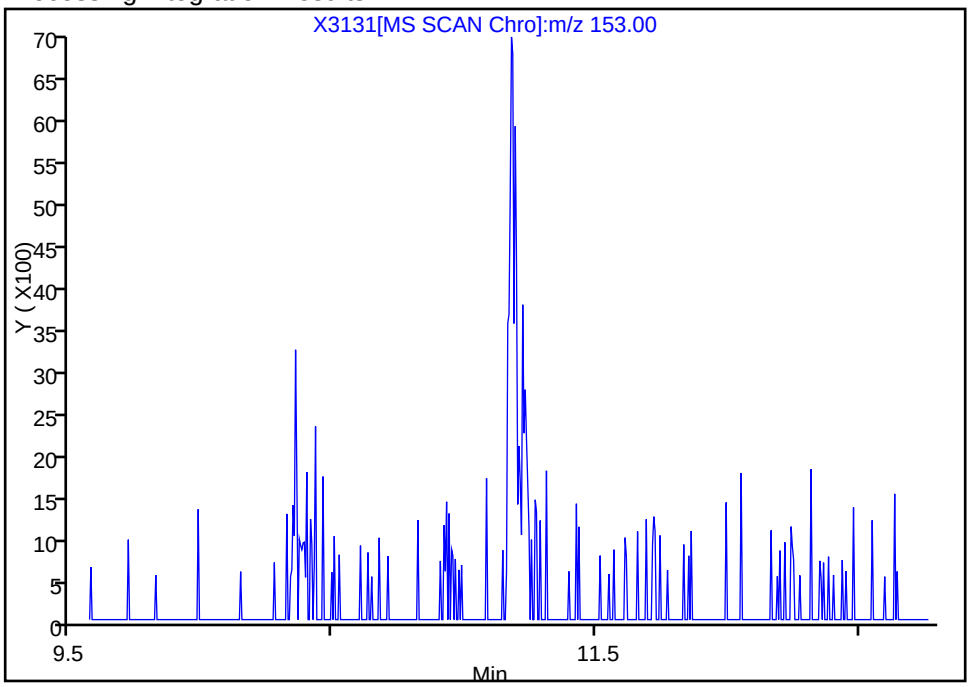
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3131.D		
Injection Date:	18-Dec-2012 11:20:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	2
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

71 Acenaphthene, Signal: 1, m/z: 153.0 Type: quant, RT: 11.17

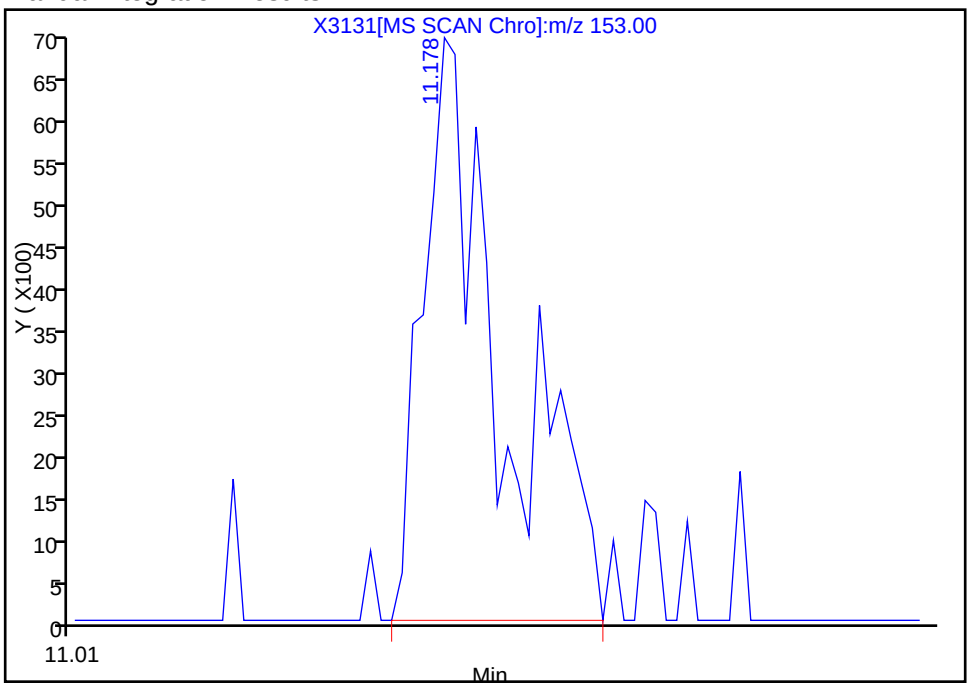
Processing Integration Results

Not Detected
Expected RT: 11.17



Manual Integration Results

RT: 11.18
Response: 17157
Amount: 0.134990



Reviewer: mckernar, 18-Dec-2012 11:48:41
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 18-Dec-2012 16:42:57 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

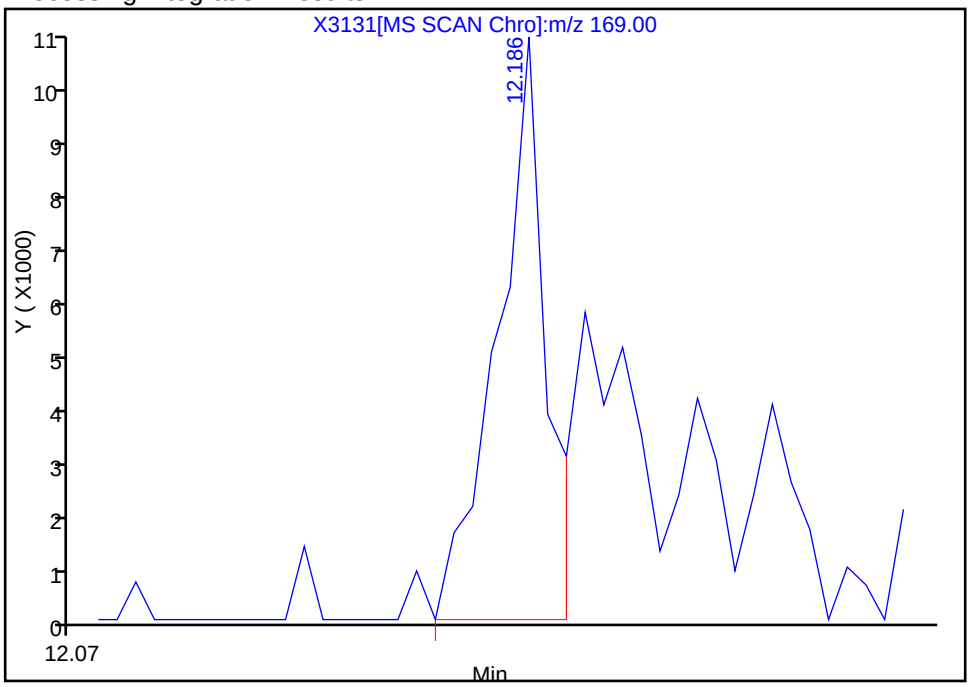
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3131.D		
Injection Date:	18-Dec-2012 11:20:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	2
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

84 Diphenylamine, Signal: 1, m/z: 169.0 Type: quant, RT: 12.12

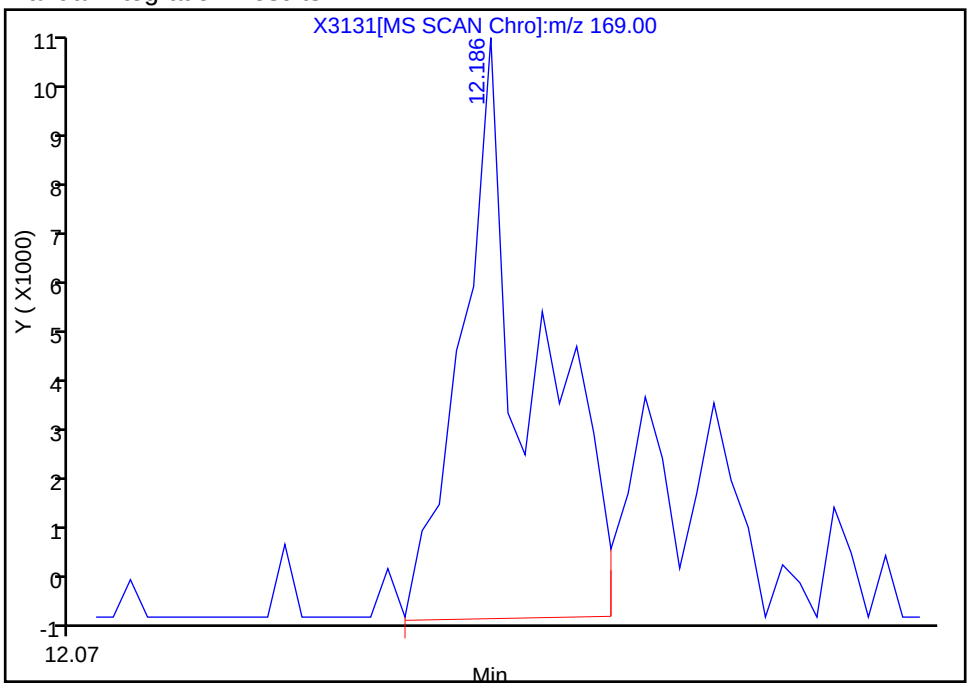
Processing Integration Results

RT: 12.19
Response: 8802
Amount: 0.100000



Manual Integration Results

RT: 12.19
Response: 14149
Amount: 0.070025



Reviewer: mckernar, 18-Dec-2012 11:48:41
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 18-Dec-2012 16:42:57 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

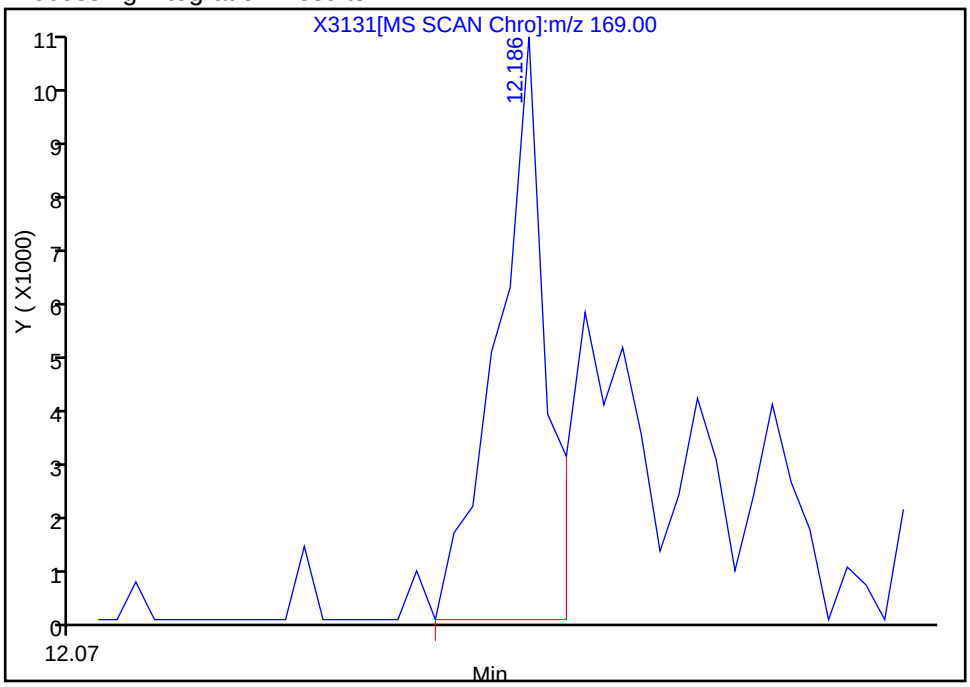
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3131.D		
Injection Date:	18-Dec-2012 11:20:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	2
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

83 N-Nitrosodiphenylamine, Signal: 1, m/z: 169.0 Type: quant, RT: 12.12

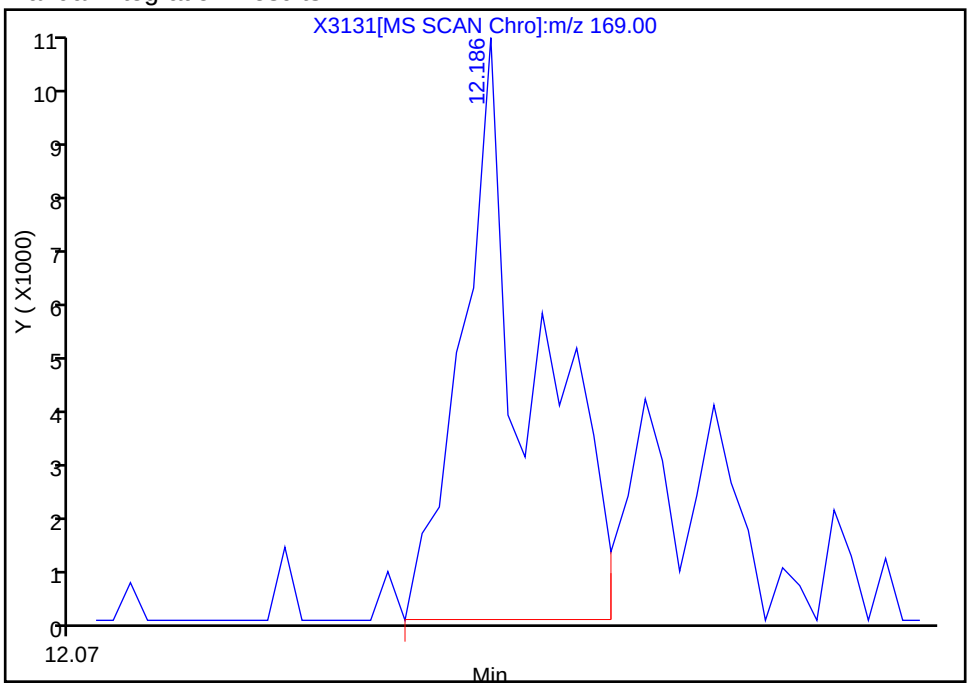
Processing Integration Results

RT: 12.19
Response: 8802
Amount: 0.100000



Manual Integration Results

RT: 12.19
Response: 14018
Amount: 0.069427



Reviewer: mckernar, 18-Dec-2012 11:48:41
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 18-Dec-2012 16:42:57 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

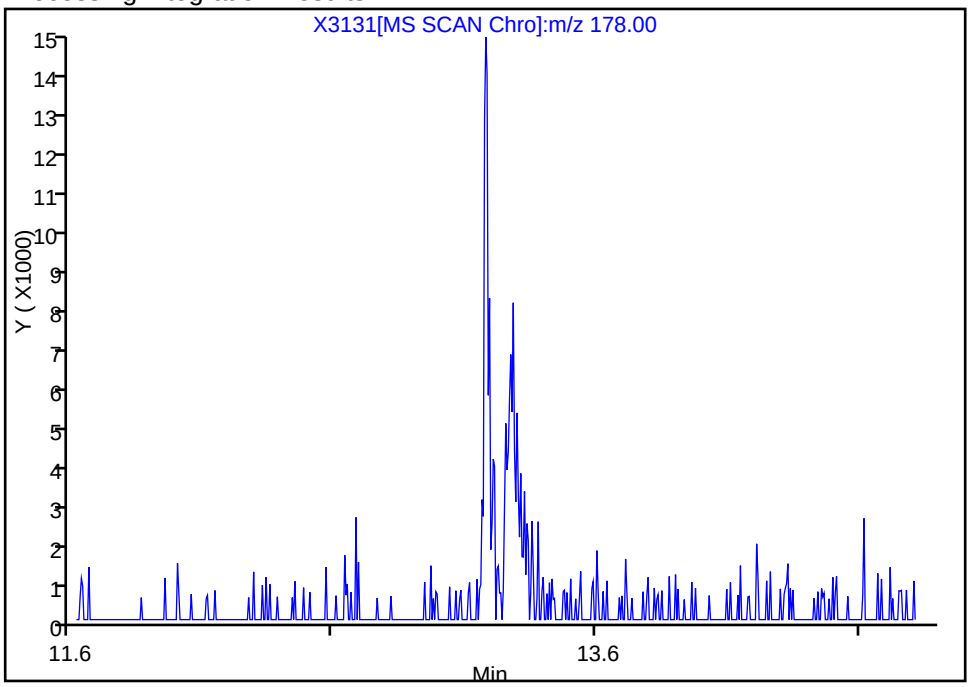
TestAmerica Buffalo

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

98 Anthracene, Signal: 1, m/z: 178.0 Type: quant, RT: 13.22

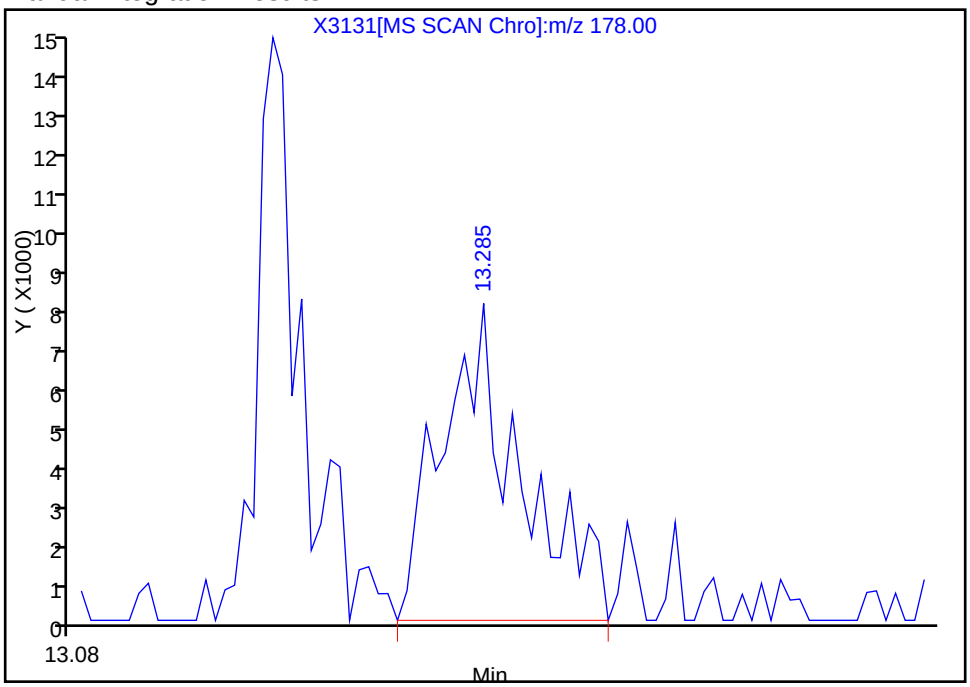
Processing Integration Results

Not Detected
Expected RT: 13.22



Manual Integration Results

RT: 13.28
Response: 21852
Amount: 0.110857



Reviewer: mckernar, 18-Dec-2012 11:48:41
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 18-Dec-2012 16:42:57 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

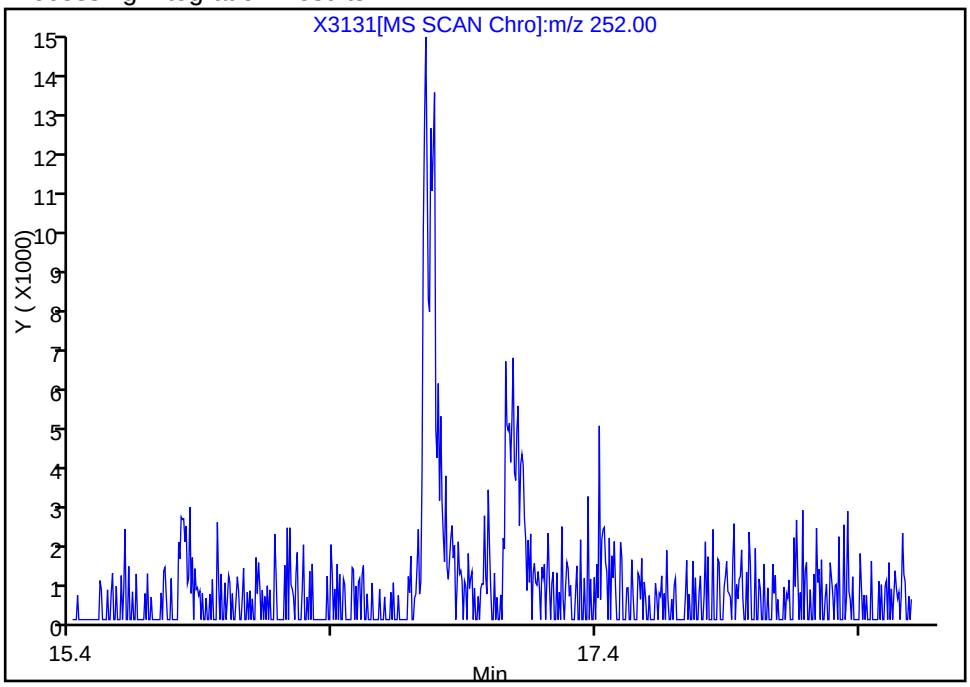
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3131.D		
Injection Date:	18-Dec-2012 11:20:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	2
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

116 Benzo[a]pyrene, Signal: 1, m/z: 252.0 Type: quant, RT: 17.00

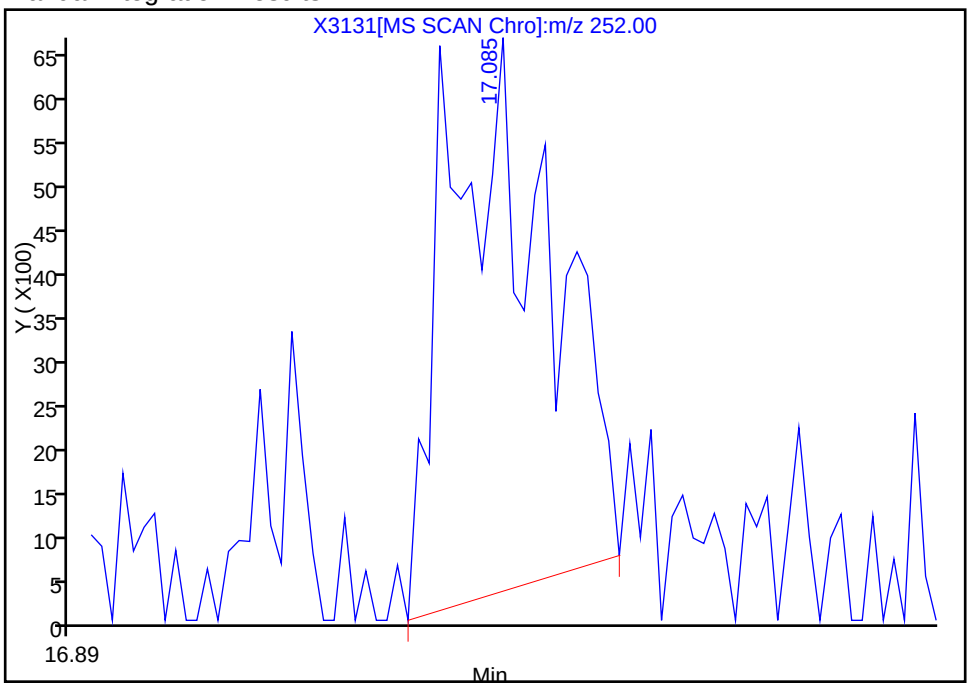
Processing Integration Results

Not Detected
Expected RT: 17.00



Manual Integration Results

RT: 17.08
Response: 20183
Amount: 0.117479



Reviewer: mckernar, 18-Dec-2012 11:48:41
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3132.D		
Lims ID:	IC - 0.5	Client ID:	
Inject. Date:	18-Dec-2012 11:45:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	480-0017654-003		
Misc. Info.:			
Operator:	ANM	Instrument ID:	HP5973X
Injection Vol:	1.0 ul	ALS Bottle#:	4
Lims Batch ID:	96347	Lims Sample ID:	3
Sublist:	chrom-X-8270LL*sub20		
Detector:	MS SCAN		

Method:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X-8270LL.m		
Last Update:	18-Dec-2012 16:42:58	Calib Date:	18-Dec-2012 14:44:30
Quant Method:	Internal Standard	Quant By:	Continuing Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3139.D		
Limit Group:	MB - 8270RCP_MCP ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm
Process Host:	XAWRK017		

First Level Reviewer: mckernar Date: 18-Dec-2012 16:42:58

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.551	6.594	-0.043	86	221007	5.00	
* 2 Naphthalene-d8	136	8.477	8.486	-0.009	97	813144	5.00	
* 3 Acenaphthene-d10	164	11.131	11.116	0.015	88	491126	5.00	
* 4 Phenanthrene-d10	188	13.147	13.128	0.019	96	911020	5.00	
* 5 Chrysene-d12	240	15.782	15.767	0.015	97	820158	5.00	
* 6 Perylene-d12	264	17.075	17.051	0.024	99	770222	5.00	
$ 7 2-Fluorophenol	112	4.658	4.701	-0.043	31	18987	0.3786	
$ 8 Phenol-d5	99	6.109	6.118	-0.009	45	18843	0.3087	
$ 9 Nitrobenzene-d5	82	7.421	7.435	-0.014	58	20141	0.3304	
$ 10 2-Fluorobiphenyl	172	10.151	10.127	0.024	63	51351	0.4166	
$ 11 2,4,6-Tribromophenol	330	12.310	12.291	0.019	0	7887	0.4706	M
$ 12 p-Terphenyl-d14	244	14.821	14.802	0.019	88	83050	0.5252	
18 1,4-Dioxane	88	2.437	2.466	-0.029	43	19150	0.7038	M
19 N-Nitrosodimethylamine	42	2.794	2.813	-0.019	52	21483	0.5321	M
20 Pyridine	52	2.927	2.908	0.019	1	20512	0.5003	M
21 Benzaldehyde	77	5.933	5.961	-0.028	75	18726	0.4323	
23 Aniline	93	6.090	6.128	-0.038	88	38168	0.4717	M
22 Phenol	94	6.142	6.142	0.0	0	26753	0.3974	M
24 Bis(2-chloroethyl)ether	93	6.185	6.223	-0.038	71	21116	0.3984	
25 2-Chlorophenol	128	6.266	6.294	-0.028	63	22826	0.3988	
26 1,3-Dichlorobenzene	146	6.465	6.503	-0.038	72	40813	0.5750	
27 1,4-Dichlorobenzene	146	6.575	6.622	-0.047	8	35027	0.4940	
29 1,2-Dichlorobenzene	146	6.808	6.841	-0.033	67	34776	0.5260	
28 Benzyl alcohol	108	6.832	6.846	-0.014	1	804	0.0496	
32 2,2'-oxybis[1-chloropropane]	45	6.998	7.022	-0.024	66	43894	0.5095	M
31 2-Methylphenol	108	7.008	7.031	-0.023	0	19924	0.4147	M
33 Acetophenone	105	7.198	7.212	-0.014	68	26930	0.3286	M
34 N-Nitrosodi-n-propylamine	70	7.198	7.217	-0.019	68	16123	0.3917	
36 4-Methylphenol	108	7.379	7.288	0.090	0	19705	0.4050	M

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
37 Hexachloroethane	117	7.293	7.331	-0.038	77	15669	0.5007	
38 Nitrobenzene	77	7.445	7.464	-0.019	52	21483	0.3395	M
40 Isophorone	82	7.807	7.821	-0.015	0	46194	0.4438	M
41 2-Nitrophenol	139	7.992	7.939	0.053	17	9854	0.3422	M
43 2,4-Dimethylphenol	107	8.101	8.058	0.043	0	22845	0.4205	M
45 Bis(2-chloroethoxy)methane	93	8.211	8.177	0.034	47	18841	0.3056	M
44 Benzoic acid	105	8.230	8.268	-0.038	16	577	0.0272	
47 2,4-Dichlorophenol	162	8.453	8.358	0.095	0	15967	0.3612	M
48 1,2,4-Trichlorobenzene	180	8.410	8.410	0.0	58	29590	0.5445	M
49 Naphthalene	128	8.510	8.520	-0.010	40	95430	0.5298	
51 4-Chloroaniline	127	8.720	8.662	0.058	1	25413	0.3899	M
52 Hexachlorobutadiene	225	8.705	8.710	-0.005	41	14803	0.4985	
54 Caprolactam	113	9.343	9.209	0.134	0	5831	0.3624	M
55 4-Chloro-3-methylphenol	107	9.557	9.466	0.091	0	16457	0.3370	M
56 2-Methylnaphthalene	142	9.590	9.566	0.024	63	60786	0.4814	
57 1-Methylnaphthalene	142	9.723	9.709	0.014	82	53740	0.4621	
58 Hexachlorocyclopentadiene	237		9.794					
59 1,2,4,5-Tetrachlorobenzene	216	9.842	9.818	0.024	61	18475	0.4010	
60 2,4,6-Trichlorophenol	196	10.113	10.037	0.076	4	11611	0.4094	M
61 2,4,5-Trichlorophenol	196	10.256	10.146	0.110	1	14692	0.5355	M
62 1,1'-Biphenyl	154	10.298	10.274	0.024	78	70247	0.4947	M
63 2-Chloronaphthalene	162	10.346	10.317	0.029	75	115849	0.5383	M
64 Phenyl ether	170	10.465	10.436	0.029	70	38232	0.4951	M
65 2-Nitroaniline	65	10.636	10.512	0.124	1	14515	0.4462	M
66 1,4-Dinitrobenzene	75		10.755					M
67 Dimethyl phthalate	163	10.822	10.779	0.043	78	58407	0.4596	
68 2,6-Dinitrotoluene	165	10.917	10.864	0.053	40	21625	0.3753	M
69 Acenaphthylene	152	10.921	10.907	0.014	81	88280	0.5139	M
70 3-Nitroaniline	138		11.159					14
71 Acenaphthene	153	11.178	11.169	0.009	67	60610	0.5067	
72 2,4-Dinitrophenol	184		11.349					
73 Dibenzofuran	168	11.473	11.440	0.033	89	78290	0.5365	M
74 2,4-Dinitrotoluene	165	11.568	11.492	0.076	1	13719	0.3731	M
75 4-Nitrophenol	109		11.611					
76 2,3,4,6-Tetrachlorophenol	232	11.725	11.668	0.057	1	7906	0.3582	M
78 Diethyl phthalate	149	11.854	11.825	0.029	75	65968	0.4740	
79 Fluorene	166	11.972	11.934	0.038	86	64267	0.4816	M
80 4-Chlorophenyl phenyl ether	204	11.977	11.953	0.024	78	28503	0.4823	
81 4-Nitroaniline	138	12.053	12.067	-0.014	1	571	0.4268	
82 4,6-Dinitro-2-methylphenol	198	12.153	12.082	0.071	7	8320	1.35	M
84 Diphenylamine	169	12.158	12.124	0.034	93	101850	0.4804	M
83 N-Nitrosodiphenylamine	169	12.158	12.124	0.034	93	101850	0.4807	M
16 1,2-Diphenylhydrazine	77	12.196	12.167	0.029	86	59521	0.4347	M
85 Azobenzene	77	12.196	12.167	0.029	86	58380	0.4272	M
86 Benzophenone	105	12.224	12.191	0.033	81	66890	0.5727	M
89 4-Bromophenyl phenyl ether	248	12.624	12.595	0.029	69	16508	0.4834	
91 Hexachlorobenzene	284	12.681	12.652	0.029	35	12854	0.4219	
92 Simazine	201	12.847	12.809	0.038	0	4273	0	M
93 Atrazine	200	12.866	12.838	0.028	0	36768	1.00	M
95 Pentachloronitrobenzene	237	12.938	12.923	0.015	1	4787	0.6041	M
94 Pentachlorophenol	266	13.004	12.933	0.071	0	11106	1.49	M
97 Phenanthrene	178	13.176	13.156	0.020	56	103962	0.5119	M

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
98 Anthracene	178	13.247	13.218	0.029	80	99410	0.4806	M
99 Carbazole	167	13.480	13.427	0.053	93	94048	0.4905	M
101 Alachlor	160	13.580	13.565	0.015	49	16048	0	M
102 Di-n-butyl phthalate	149	13.827	13.803	0.024	89	115750	0.5208	
104 Fluoranthene	202	14.464	14.431	0.033	85	87590	0.4356	
105 Benzidine	184	14.650	14.597	0.053	45	41270	0.4556	M
106 Pyrene	202	14.683	14.654	0.029	91	115288	0.5246	
107 Famphur	218	15.220	15.201	0.019	45	30812	0	
108 Butyl benzyl phthalate	149	15.258	15.244	0.014	80	58314	0.4798	
110 Bis(2-ethylhexyl) phthalate	149	15.748	15.734	0.014	91	76558	0.4576	
109 3,3'-Dichlorobenzidine	252	15.777	15.743	0.034	1	22877	0.3105	
111 Benzo[a]anthracene	228	15.777	15.753	0.024	48	76037	0.4303	
112 Chrysene	228	15.805	15.791	0.014	57	134023	0.6687	
113 Di-n-octyl phthalate	149	16.286	16.271	0.015	92	131786	0.4996	
114 Benzo[b]fluoranthene	252	16.728	16.695	0.034	72	86485	0.4835	
115 Benzo[k]fluoranthene	252	16.747	16.718	0.029	72	96066	0.5212	
116 Benzo[a]pyrene	252	17.037	17.004	0.033	0	93850	0.5426	M
118 Dibenz(a,h)anthracene	278	18.207	18.150	0.057	0	83623	0.5337	M
117 Indeno[1,2,3-cd]pyrene	276	18.216	18.150	0.066	84	93718	0.5077	M
119 Benzo[g,h,i]perylene	276	18.526	18.468	0.058	0	71847	0.4664	M
S 121 3-Methylphenol	1		0.000					

QC Flag Legend

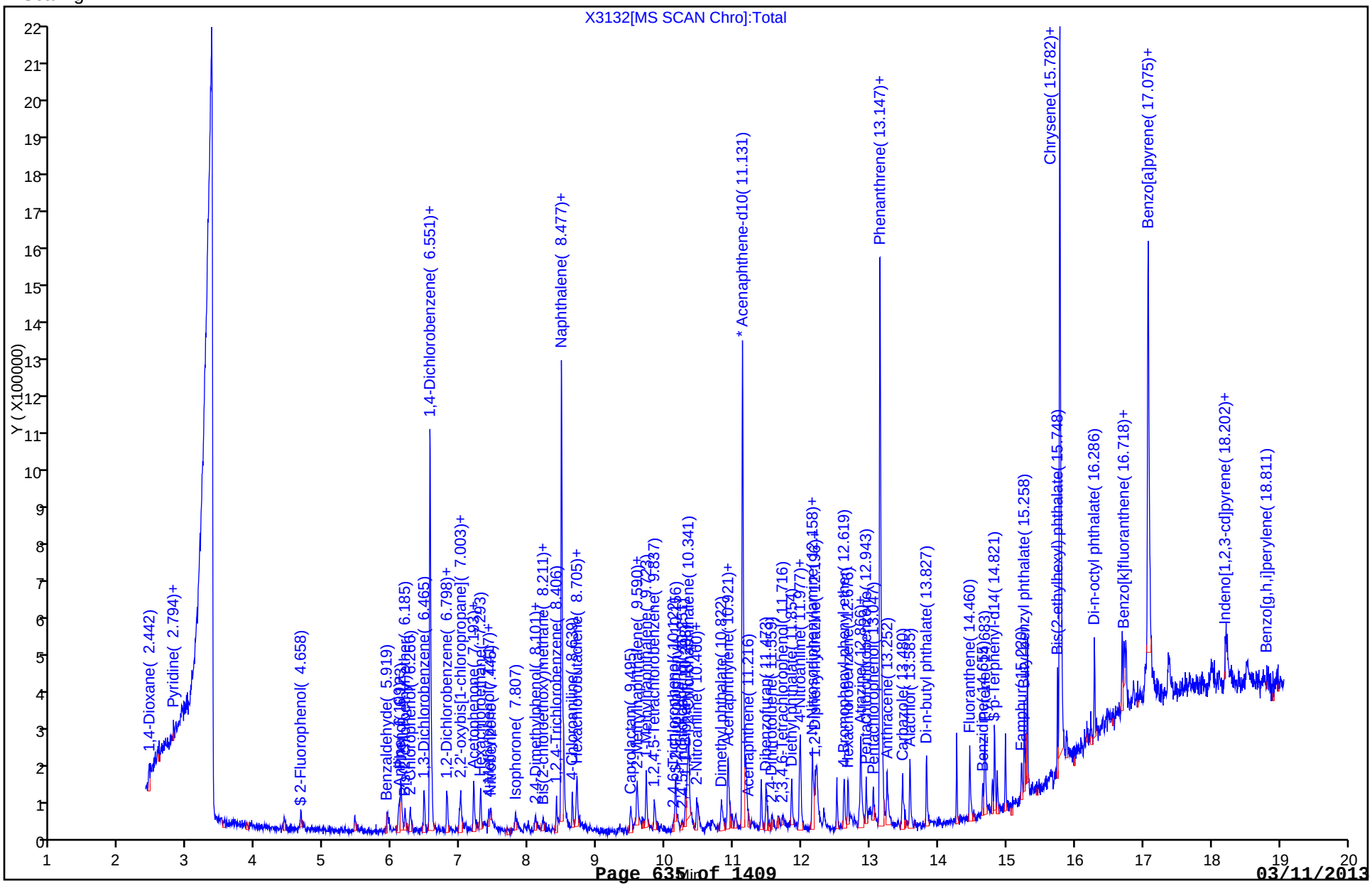
Processing Flags
1 - Missing Peaks
4 - Failed Signal Ratio Test

Review Flags
M - Manually Integrated

Report Date: 18-Dec-2012 16:42:59 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3132.D		
Injection Date:	18-Dec-2012 11:45:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	3
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm
Y Scaling:			



Manual Integration/User Assign Peak Report

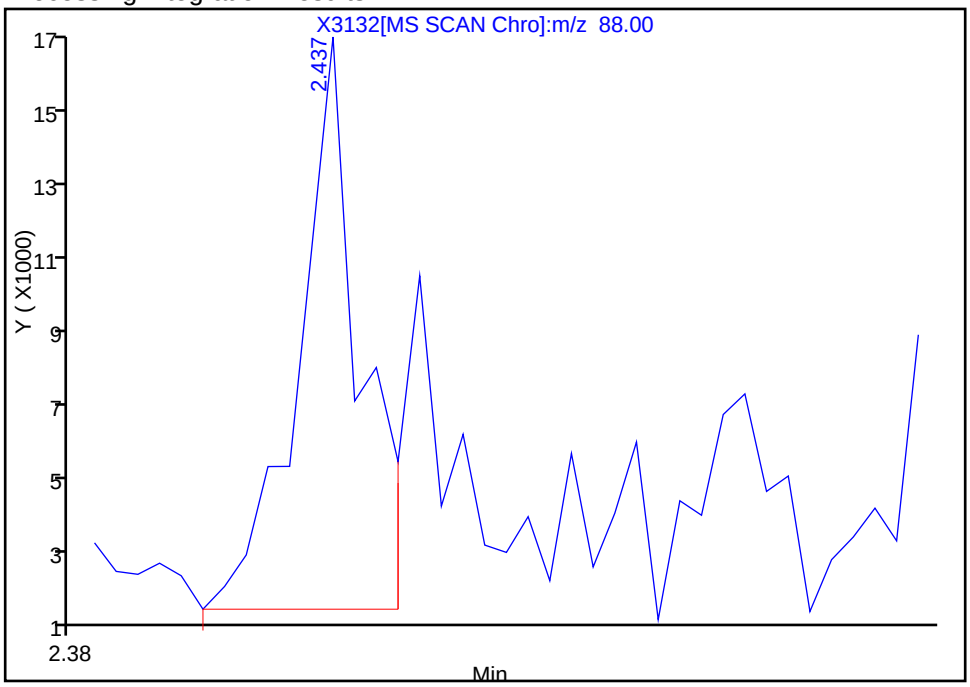
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3132.D		
Injection Date:	18-Dec-2012 11:45:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	3
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

18 1,4-Dioxane, Signal: 1, m/z: 88.0 Type: quant, RT: 2.47

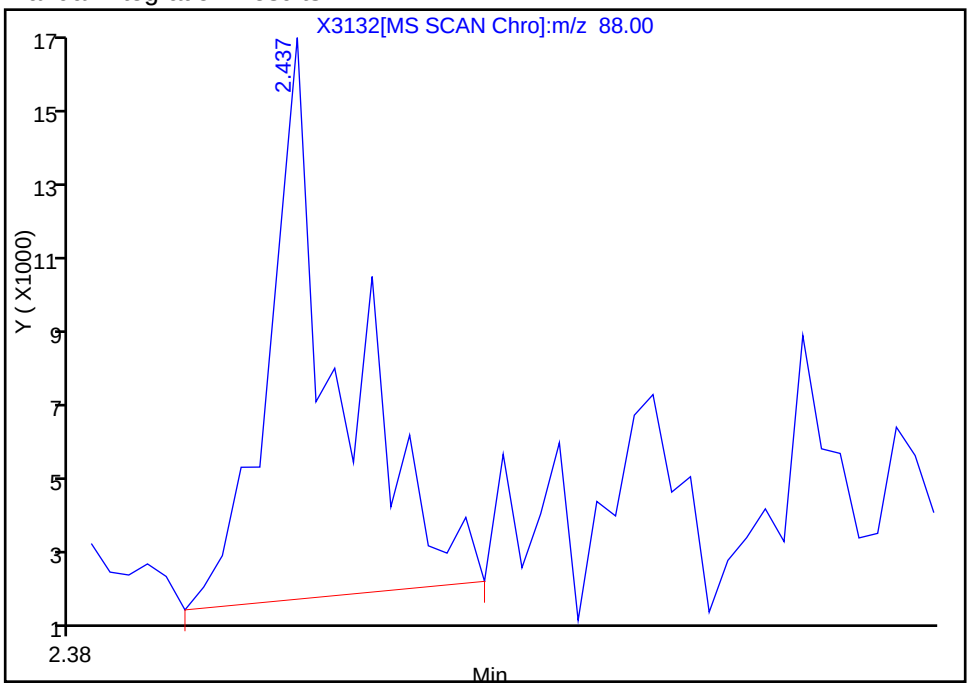
Processing Integration Results

RT: 2.44
Response: 14472
Amount: 0.363903



Manual Integration Results

RT: 2.44
Response: 19150
Amount: 0.703801



Reviewer: mckernar, 18-Dec-2012 13:05:38
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 18-Dec-2012 16:42:59 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

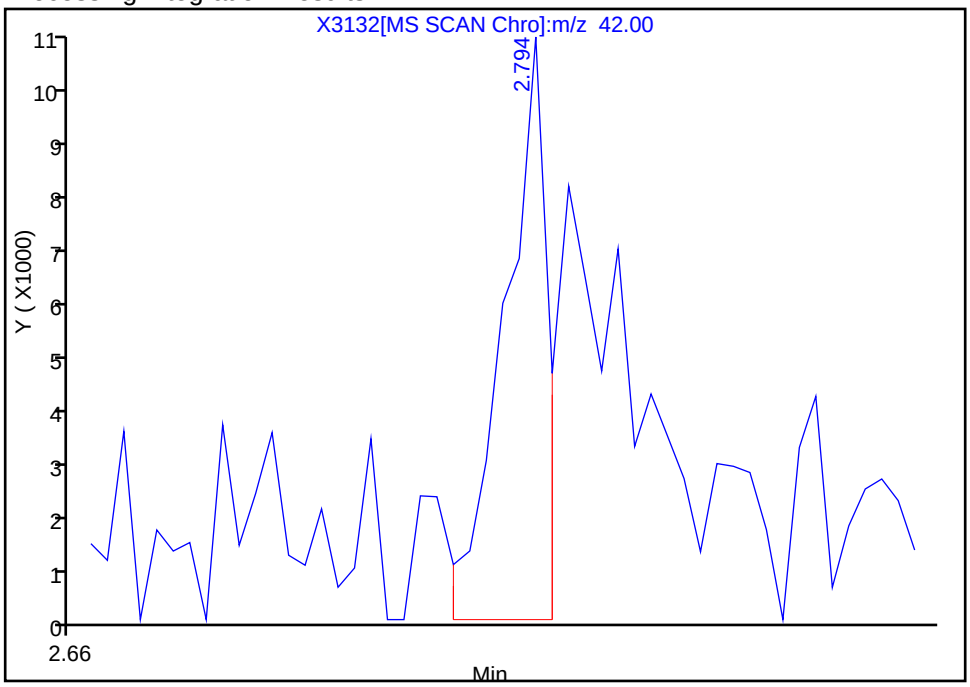
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3132.D		
Injection Date:	18-Dec-2012 11:45:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	3
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

19 N-Nitrosodimethylamine, Signal: 1, m/z: 42.0 Type: quant, RT: 2.81

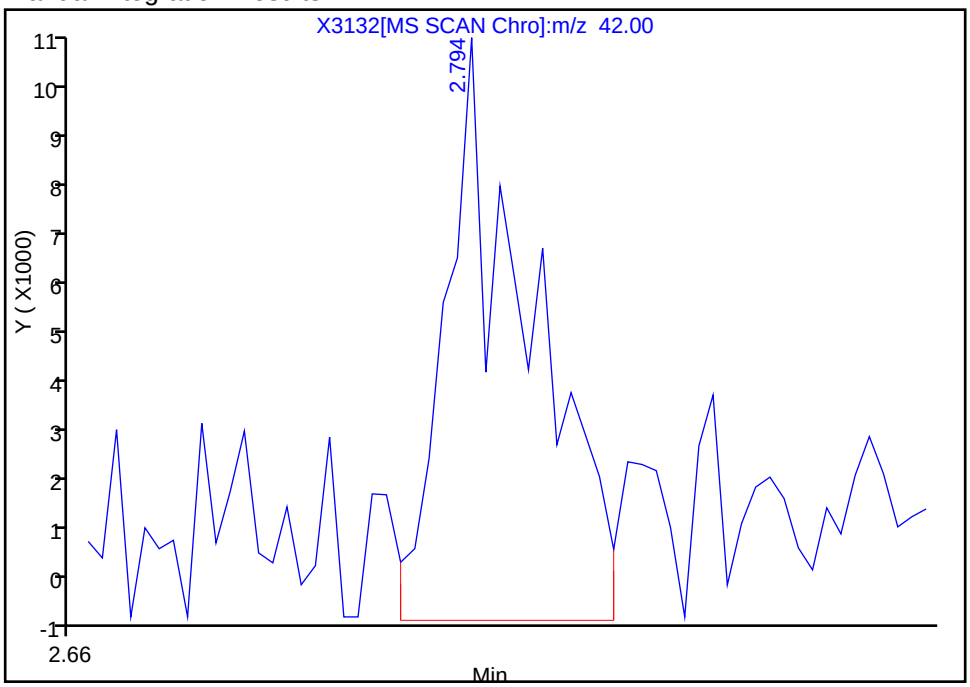
Processing Integration Results

RT: 2.79
Response: 9538
Amount: 0.500000



Manual Integration Results

RT: 2.79
Response: 21483
Amount: 0.532055



Reviewer: mckernar, 18-Dec-2012 13:05:38
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 18-Dec-2012 16:42:59 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

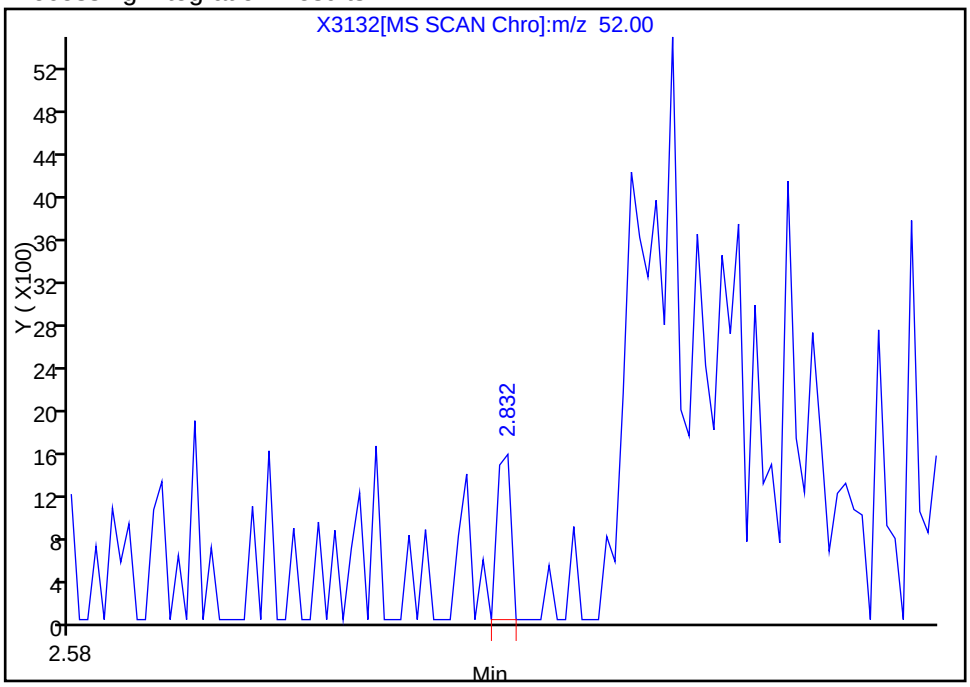
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3132.D		
Injection Date:	18-Dec-2012 11:45:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	3
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

20 Pyridine, Signal: 1, m/z: 52.0 Type: quant, RT: 2.91

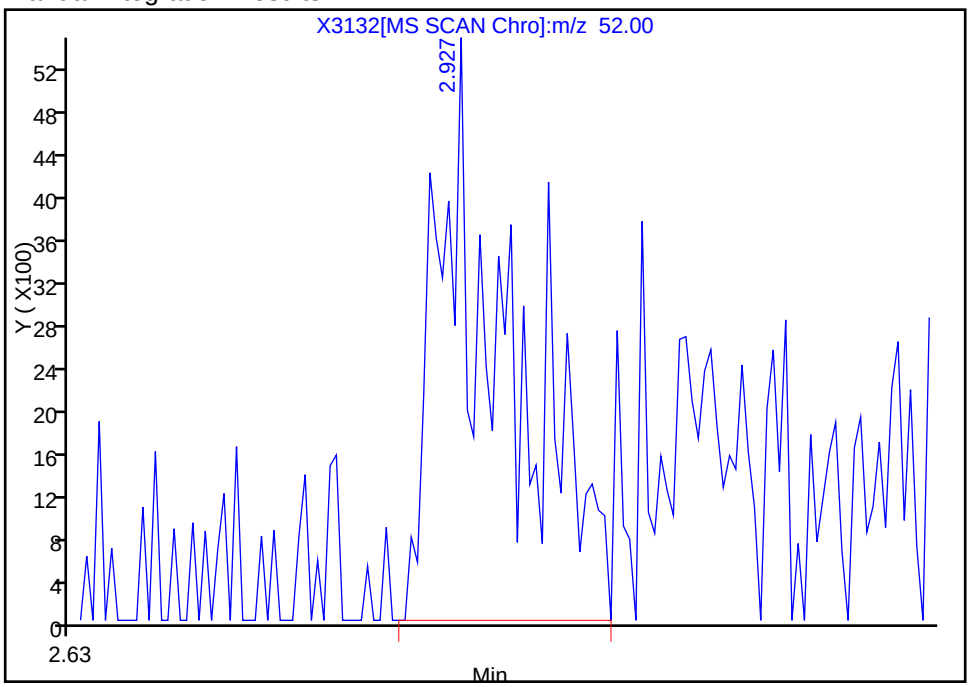
Processing Integration Results

RT: 2.83
Response: 860
Amount: 0.500000



Manual Integration Results

RT: 2.93
Response: 20512
Amount: 0.500302



Reviewer: mckernar, 18-Dec-2012 13:05:38
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 18-Dec-2012 16:42:59 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

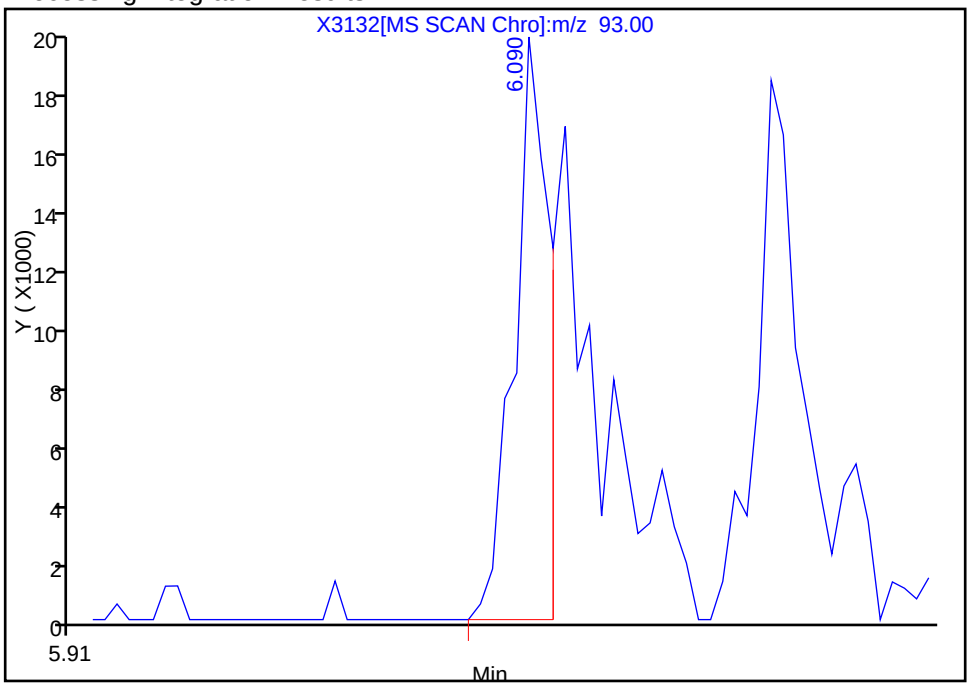
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3132.D		
Injection Date:	18-Dec-2012 11:45:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	3
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

23 Aniline, Signal: 1, m/z: 93.0 Type: quant, RT: 6.13

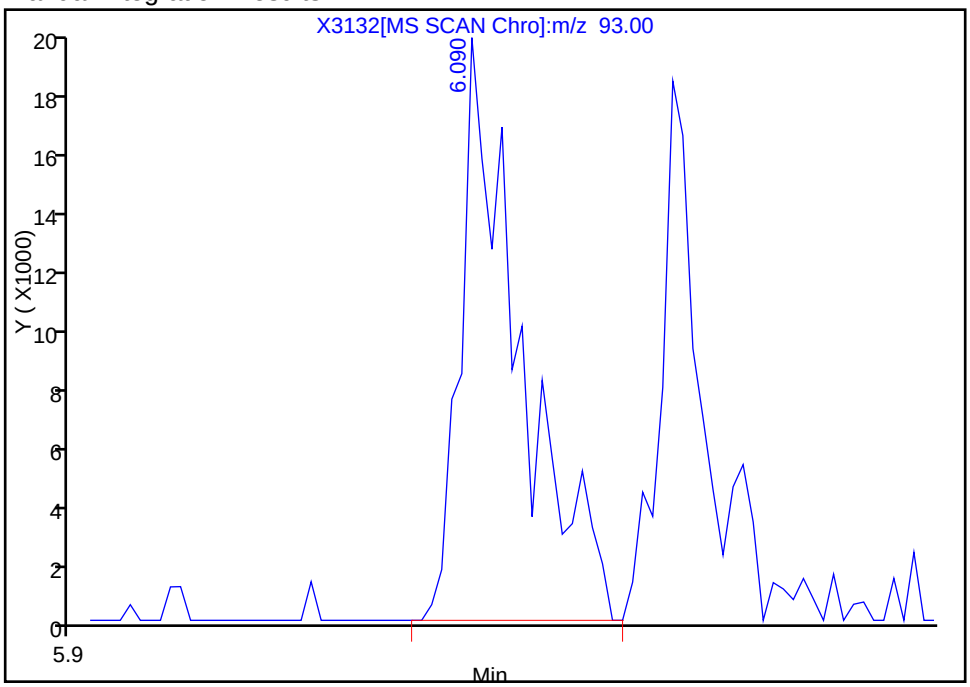
Processing Integration Results

RT: 6.09
Response: 18719
Amount: 0.500000



Manual Integration Results

RT: 6.09
Response: 38168
Amount: 0.471682



Reviewer: mckernar, 18-Dec-2012 13:05:38
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

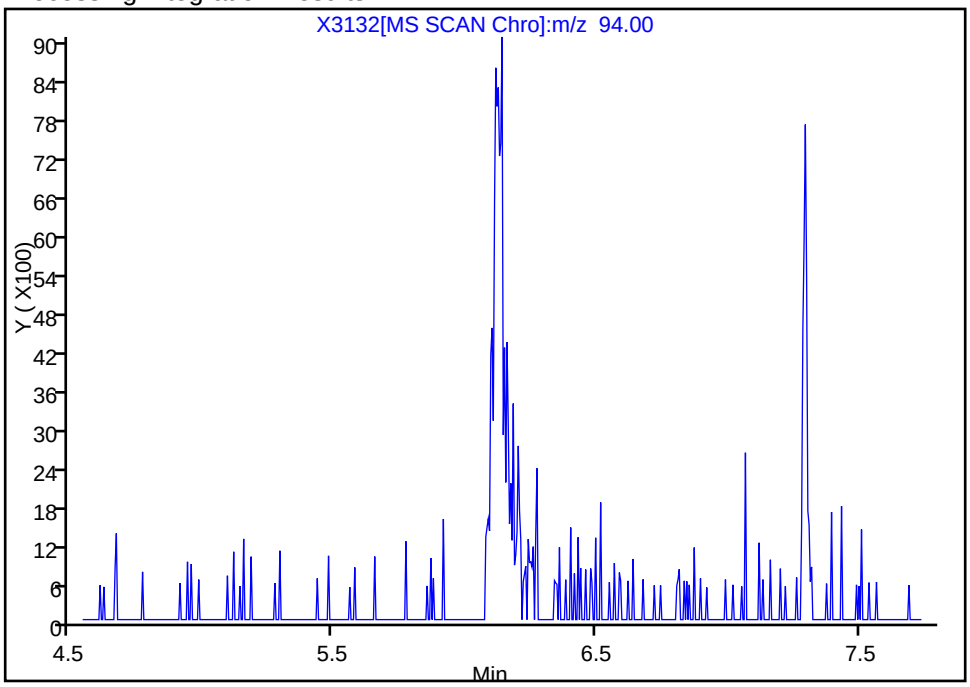
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3132.D		
Injection Date:	18-Dec-2012 11:45:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	3
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

22 Phenol, Signal: 1, m/z: 94.0 Type: quant, RT: 6.14

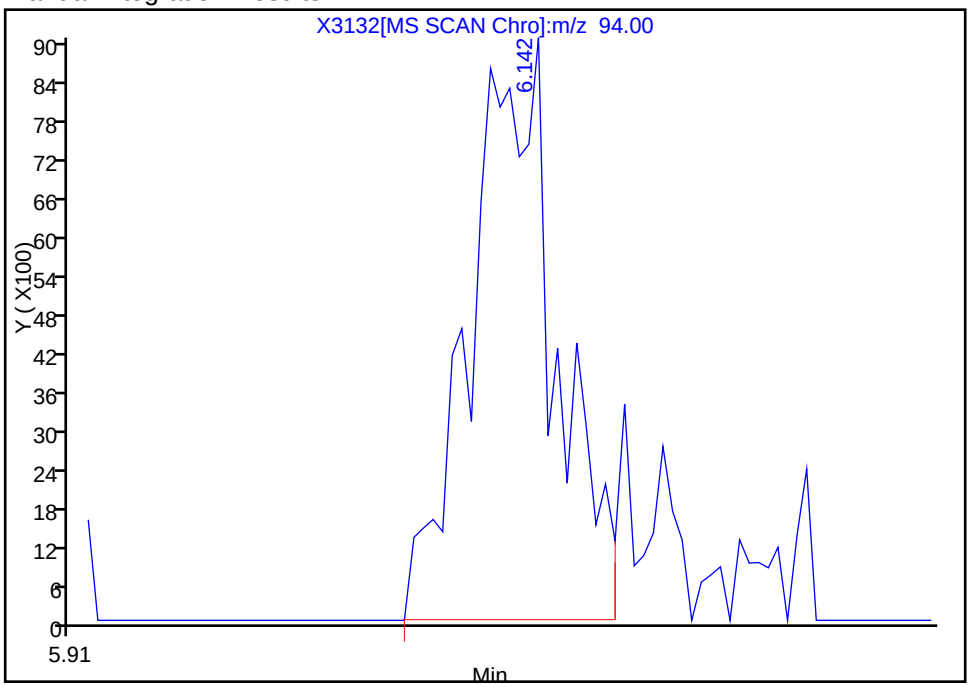
Processing Integration Results

Not Detected
Expected RT: 6.14



Manual Integration Results

RT: 6.14
Response: 26753
Amount: 0.397391



Reviewer: mckernar, 18-Dec-2012 13:05:38
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 18-Dec-2012 16:42:59 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

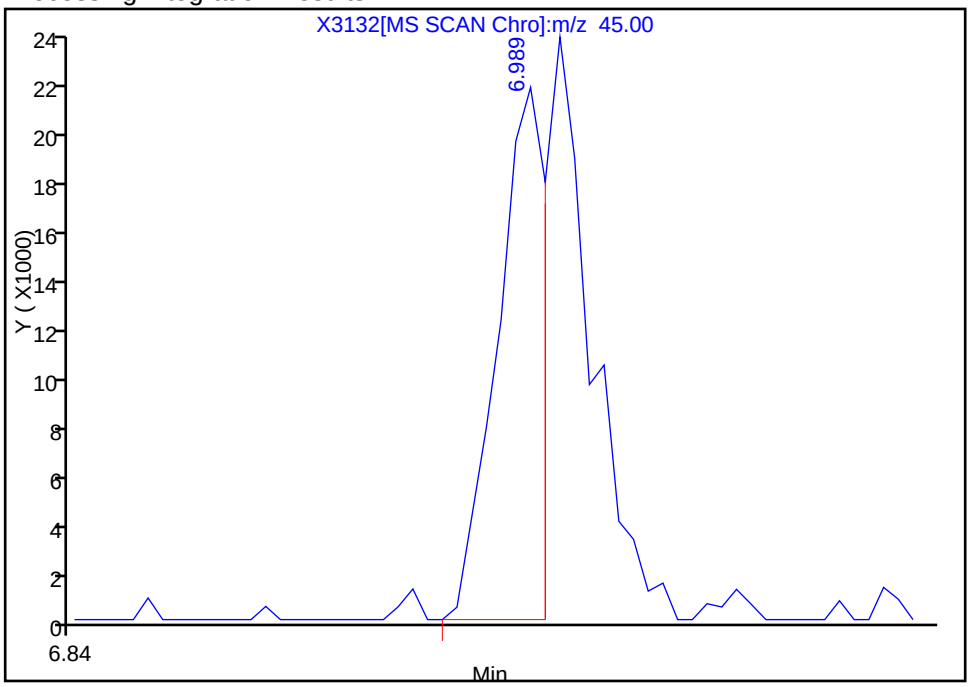
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3132.D		
Injection Date:	18-Dec-2012 11:45:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	3
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

32 2,2'-oxybis[1-chloropropane], Signal: 1, m/z: 45.0 Type: quant, RT: 7.02

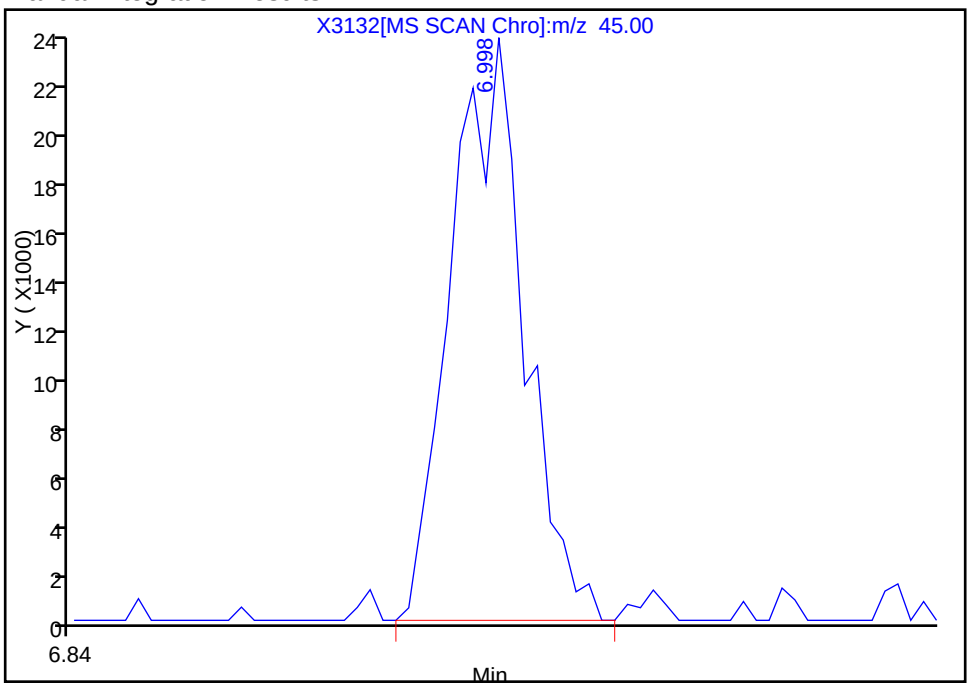
Processing Integration Results

RT: 6.99
Response: 23541
Amount: 0.500000



Manual Integration Results

RT: 7.00
Response: 43894
Amount: 0.509473



Reviewer: mckernar, 18-Dec-2012 13:05:38
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

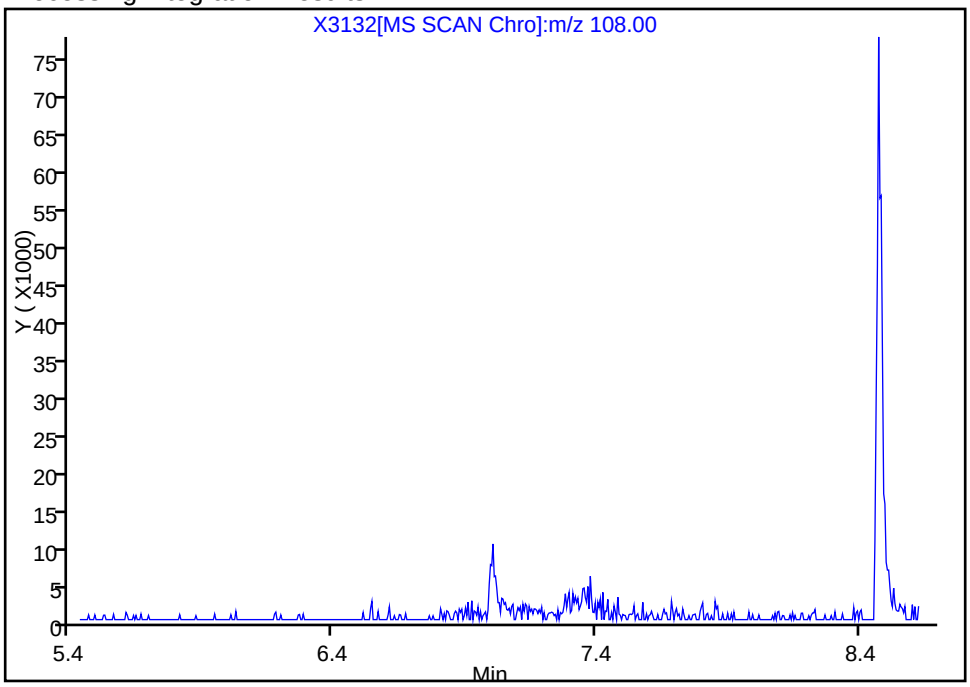
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3132.D		
Injection Date:	18-Dec-2012 11:45:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	3
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

31 2-Methylphenol, Signal: 1, m/z: 108.0 Type: quant, RT: 7.03

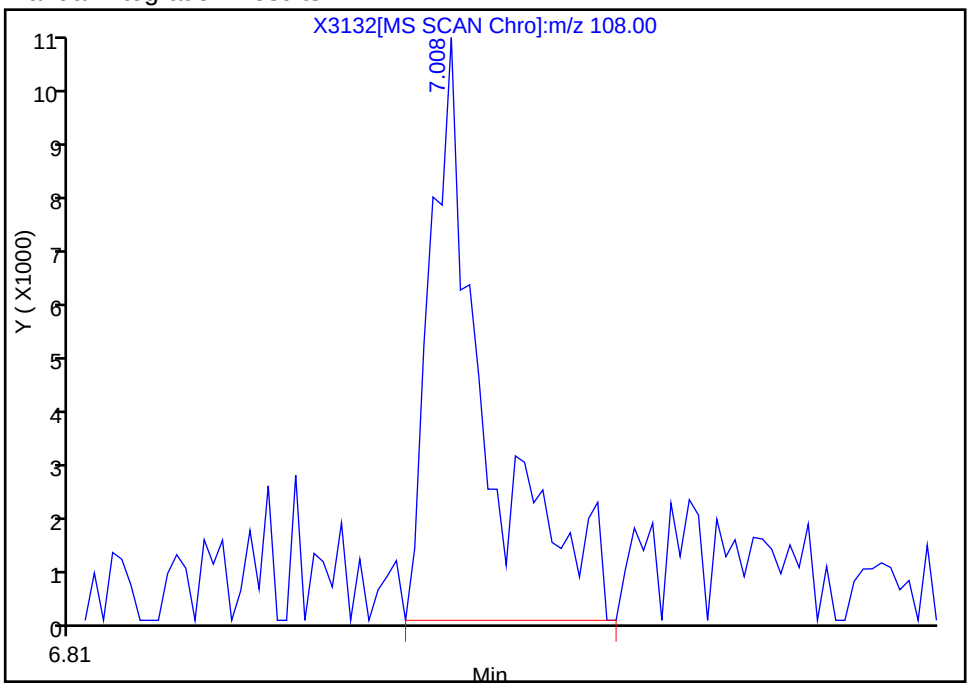
Processing Integration Results

Not Detected
Expected RT: 7.03



Manual Integration Results

RT: 7.01
Response: 19924
Amount: 0.414739



Reviewer: mckernar, 18-Dec-2012 13:05:38
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 18-Dec-2012 16:42:59 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

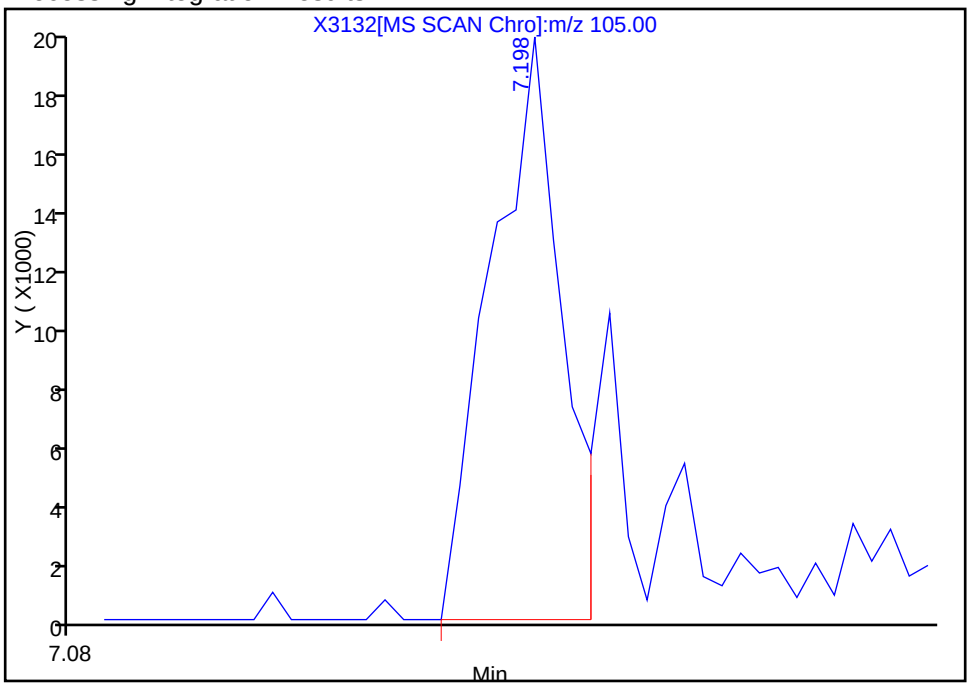
TestAmerica Buffalo

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

33 Acetophenone, Signal: 1, m/z: 105.0 Type: quant, RT: 7.21

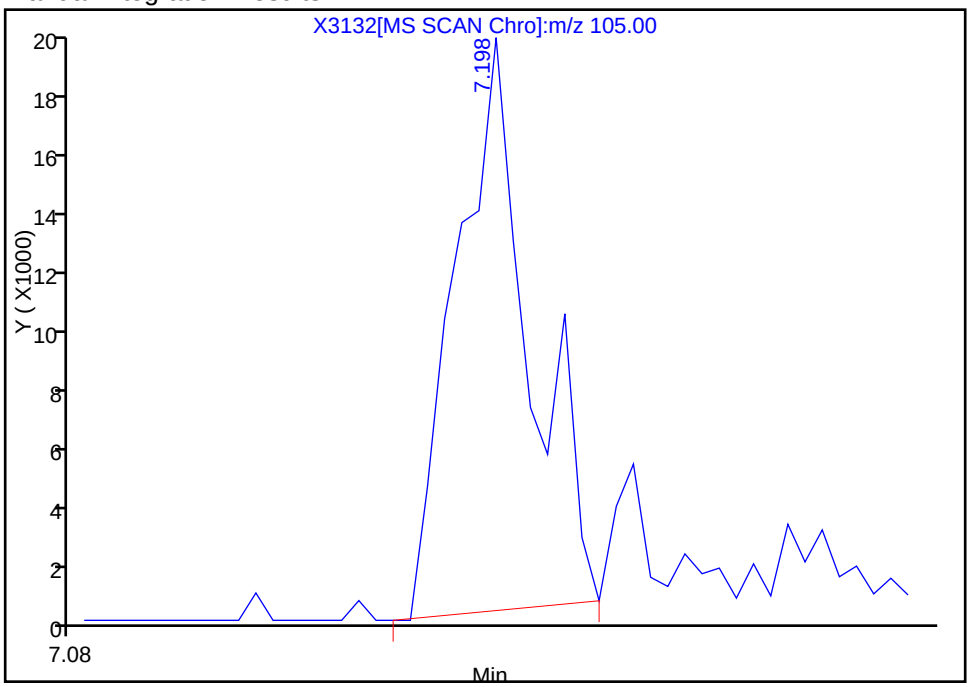
Processing Integration Results

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

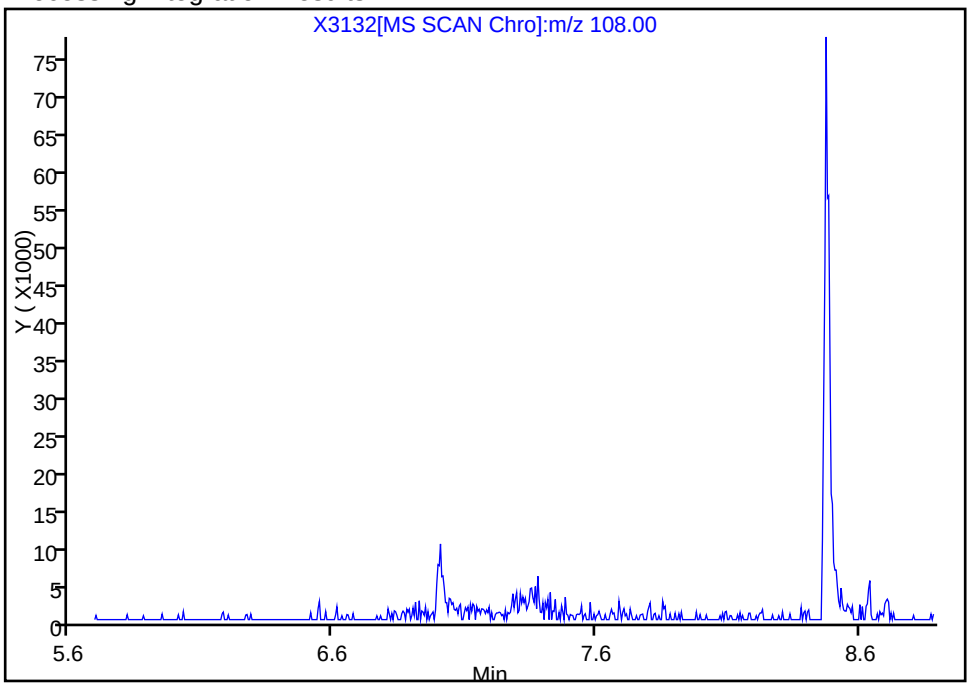
TestAmerica Buffalo

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

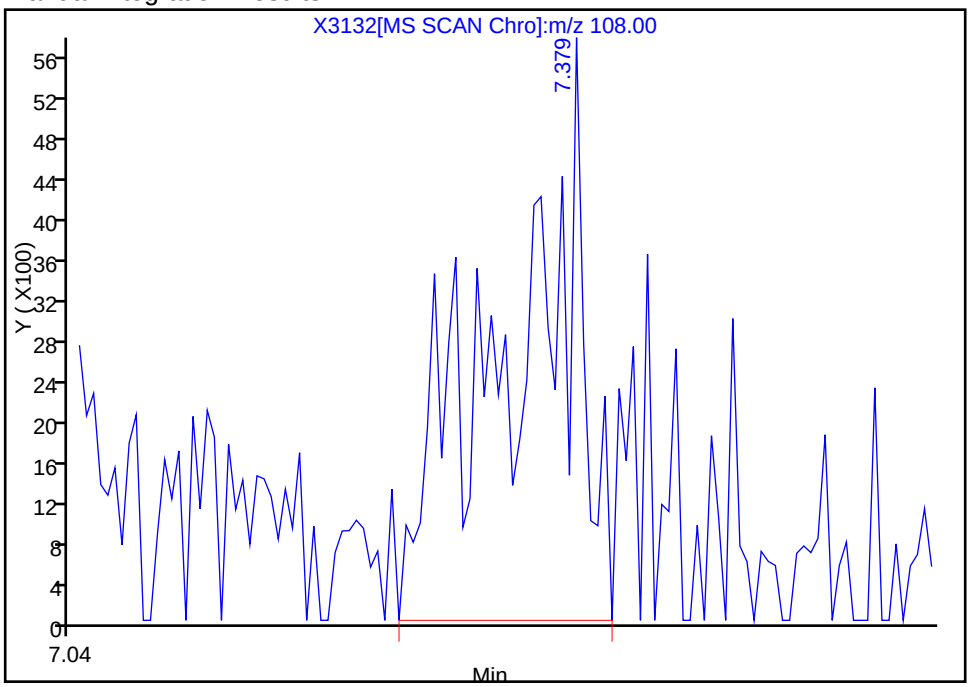
Processing Integration Results

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
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 18-Dec-2012 16:42:59 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

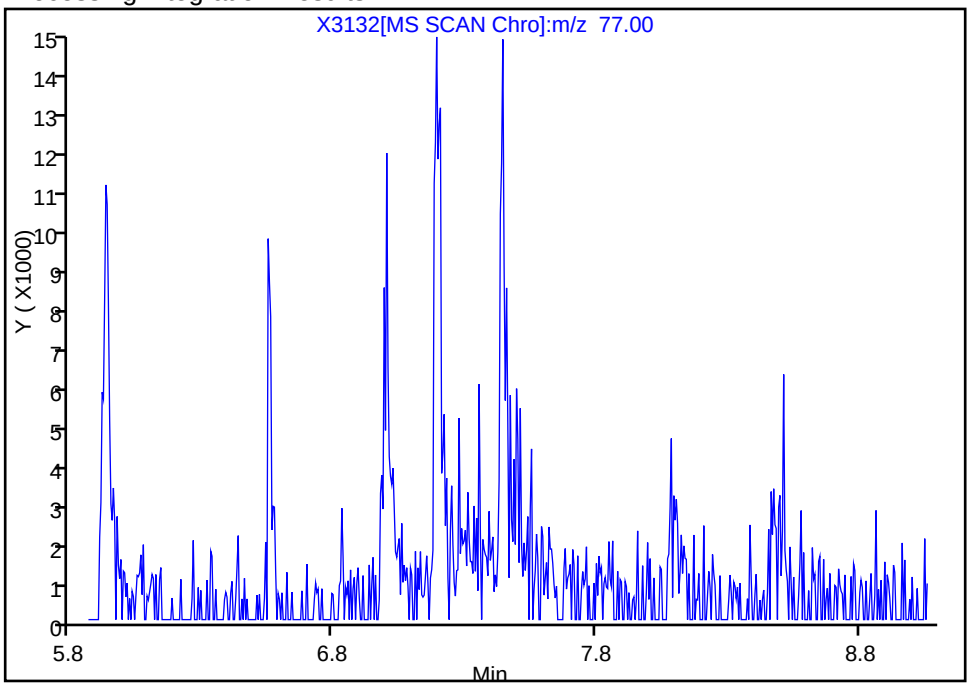
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3132.D		
Injection Date:	18-Dec-2012 11:45:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	3
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

38 Nitrobenzene, Signal: 1, m/z: 77.0 Type: quant, RT: 7.46

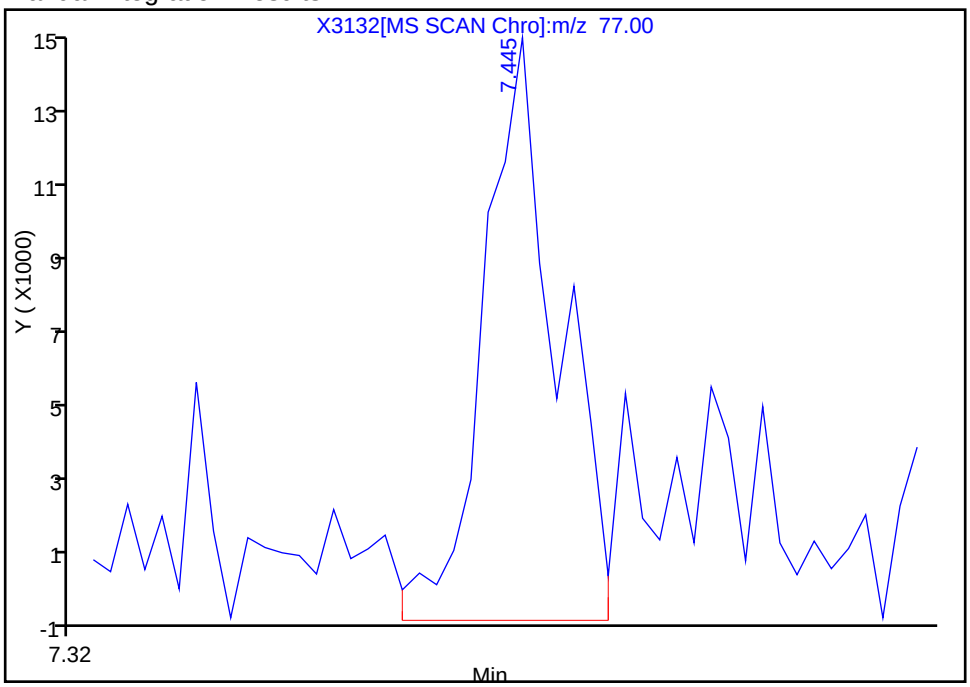
Processing Integration Results

Not Detected
Expected RT: 7.46



Manual Integration Results

RT: 7.45
Response: 21483
Amount: 0.339456



Reviewer: mckernar, 18-Dec-2012 13:05:38
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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

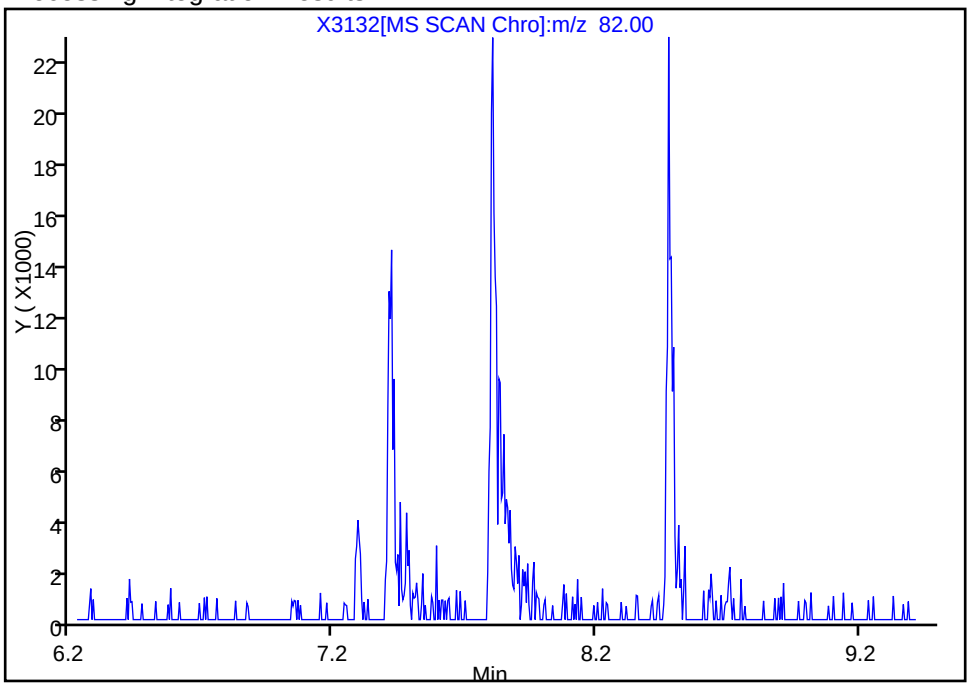
TestAmerica Buffalo

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

40 Isophorone, Signal: 1, m/z: 82.0 Type: quant, RT: 7.82

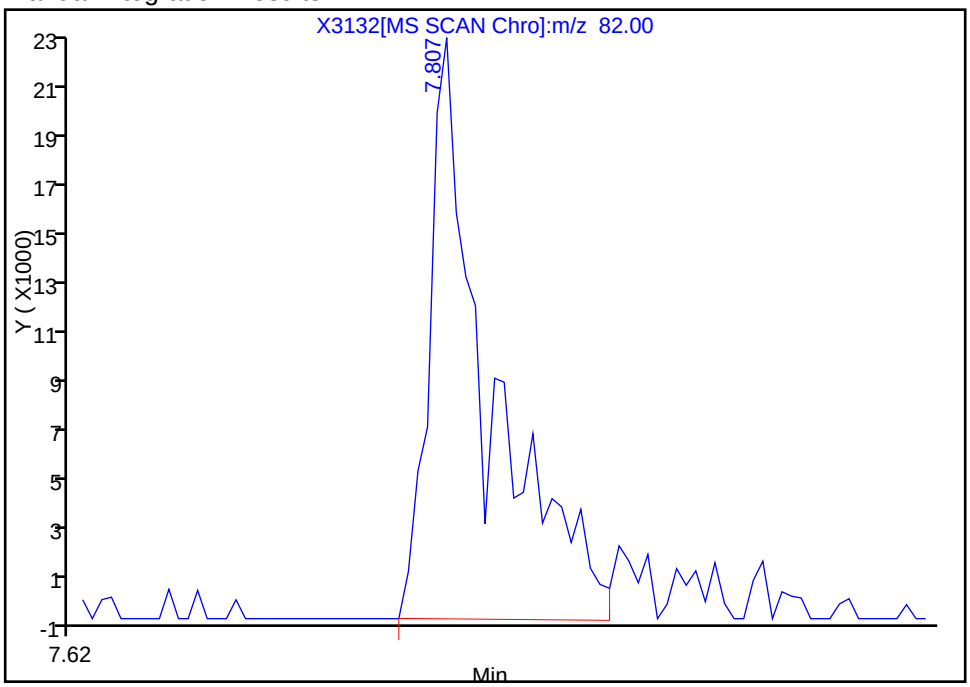
Processing Integration Results

Not Detected
Expected RT: 7.82



Manual Integration Results

RT: 7.81
Response: 46194
Amount: 0.443798



Reviewer: mckernar, 18-Dec-2012 13:05:38
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 18-Dec-2012 16:42:59 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

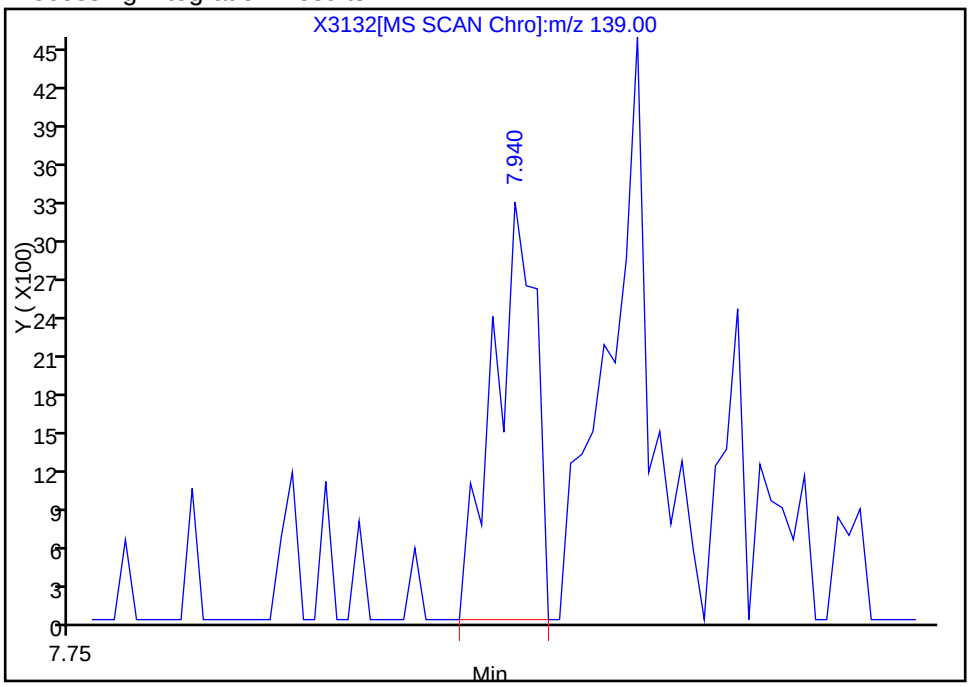
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3132.D		
Injection Date:	18-Dec-2012 11:45:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	3
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

41 2-Nitrophenol, Signal: 1, m/z: 139.0 Type: quant, RT: 7.94

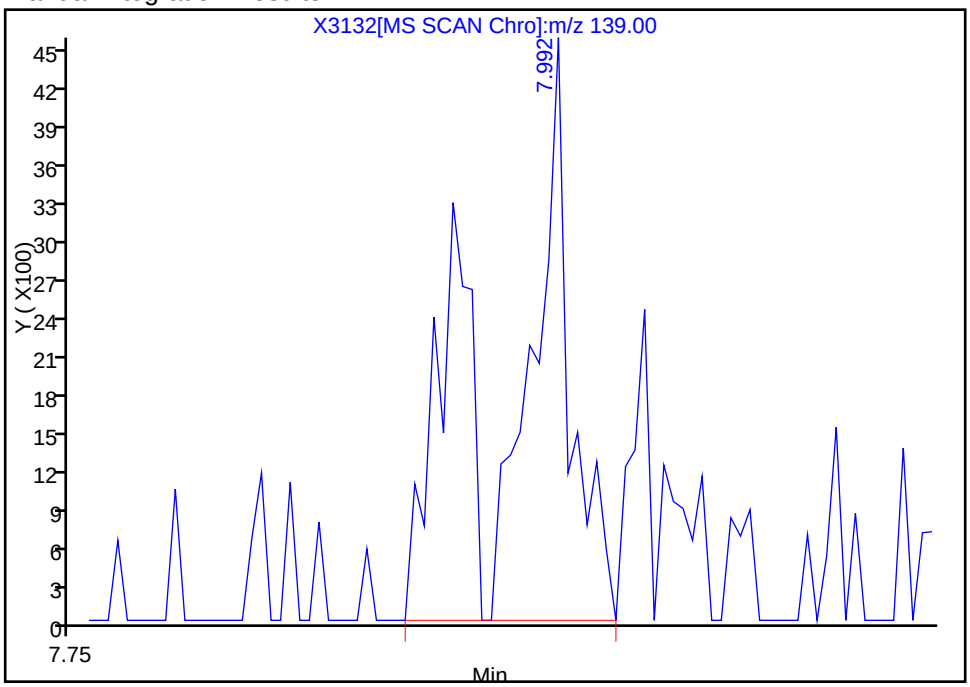
Processing Integration Results

RT: 7.94
Response: 3996
Amount: 0.500000



Manual Integration Results

RT: 7.99
Response: 9854
Amount: 0.342166



Reviewer: mckernar, 18-Dec-2012 13:05:38
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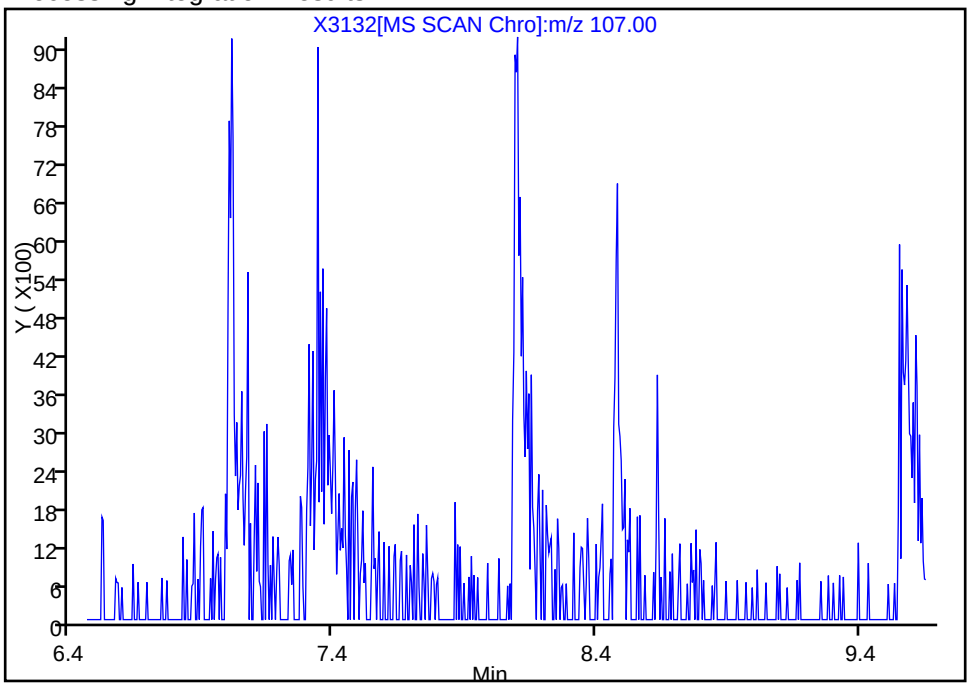
TestAmerica Buffalo

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

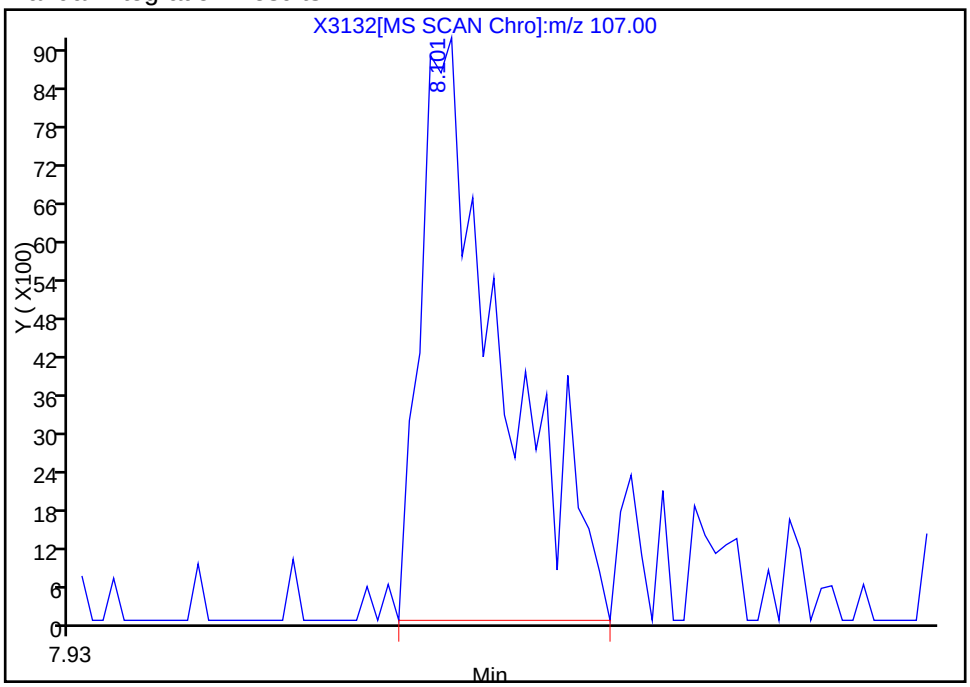
Processing Integration Results

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
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

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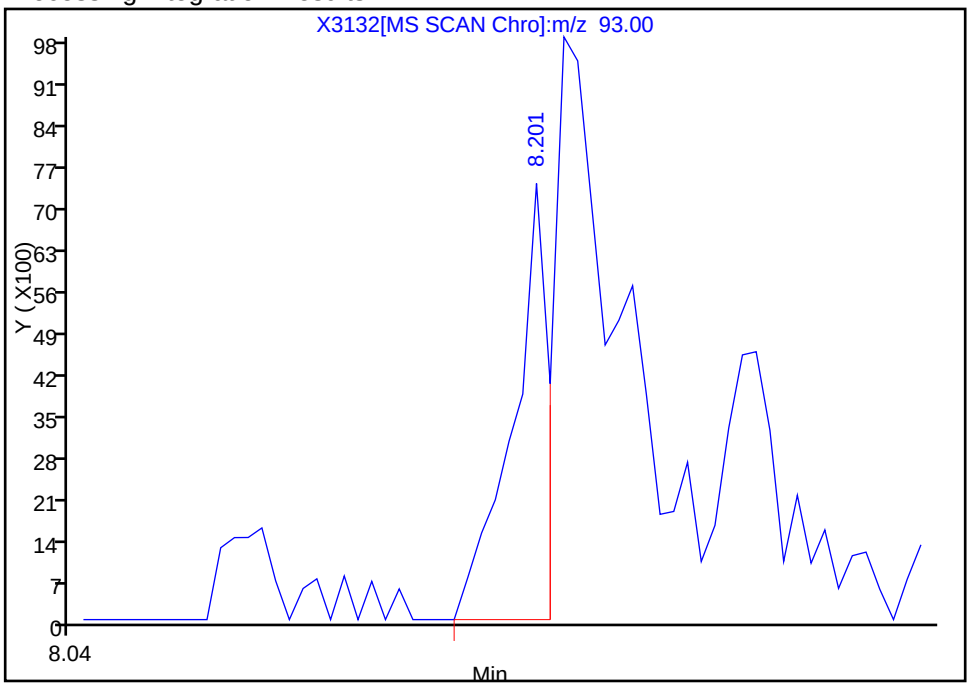
TestAmerica Buffalo

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

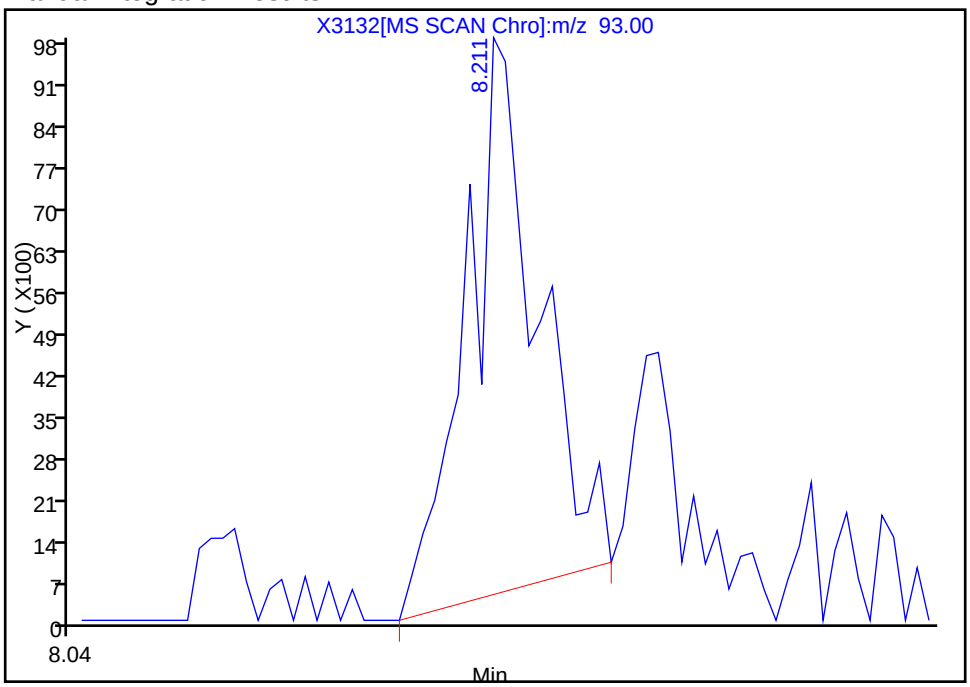
Processing Integration Results

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
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

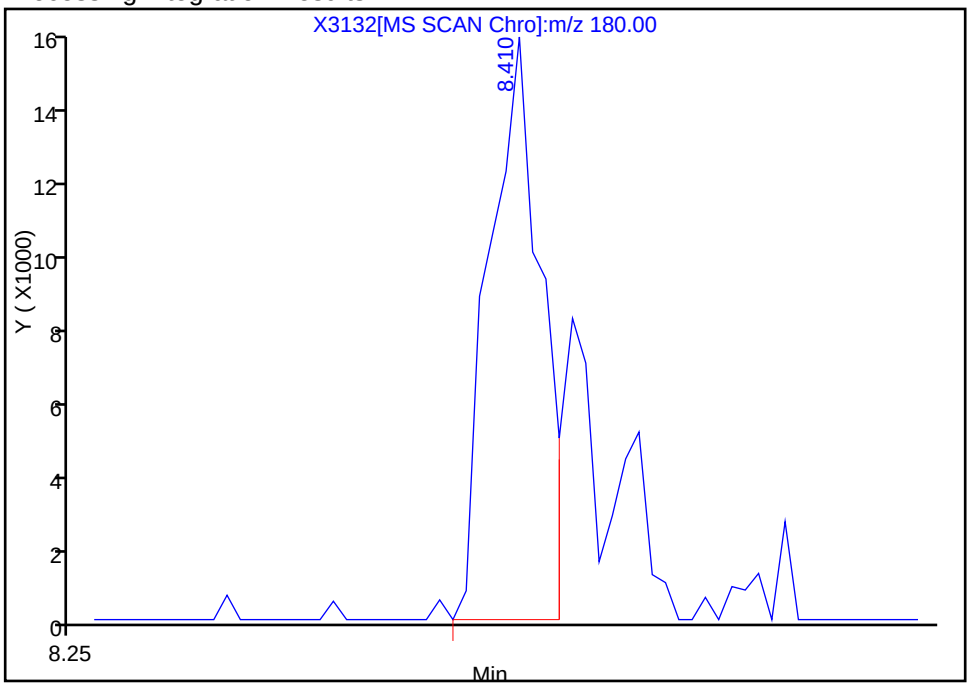
TestAmerica Buffalo

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

48 1,2,4-Trichlorobenzene, Signal: 1, m/z: 180.0 Type: quant, RT: 8.41

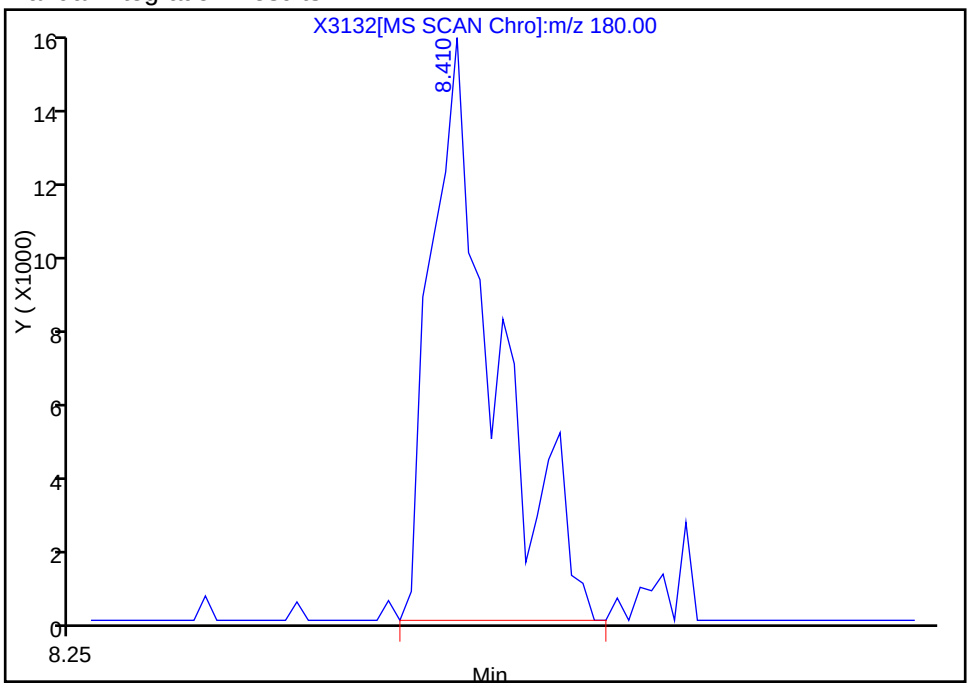
Processing Integration Results

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

Report Date: 18-Dec-2012 16:42:59 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

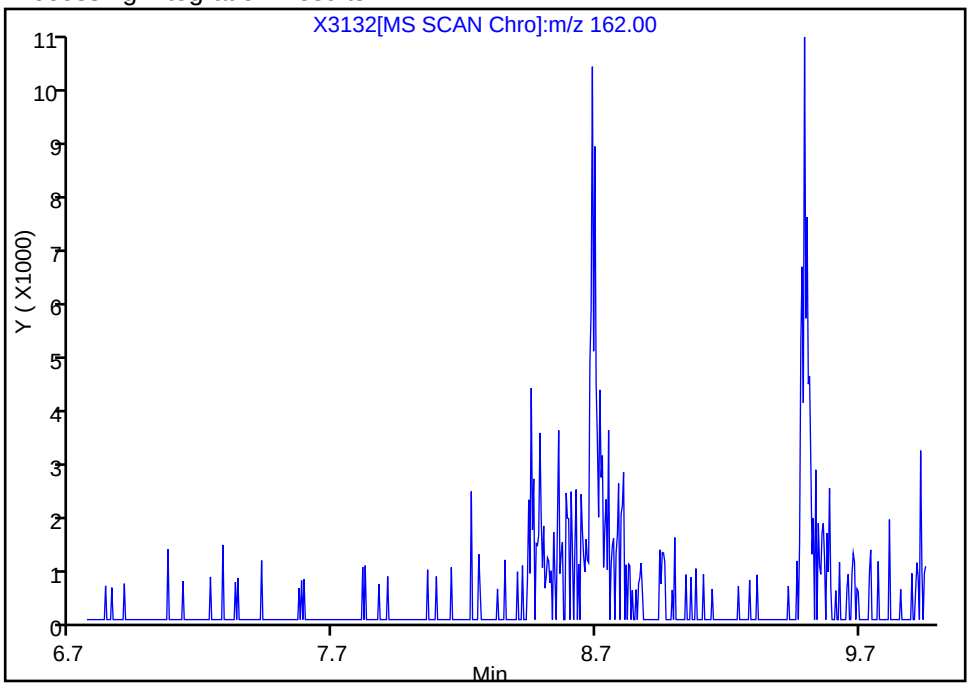
TestAmerica Buffalo

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

47 2,4-Dichlorophenol, Signal: 1, m/z: 162.0 Type: quant, RT: 8.36

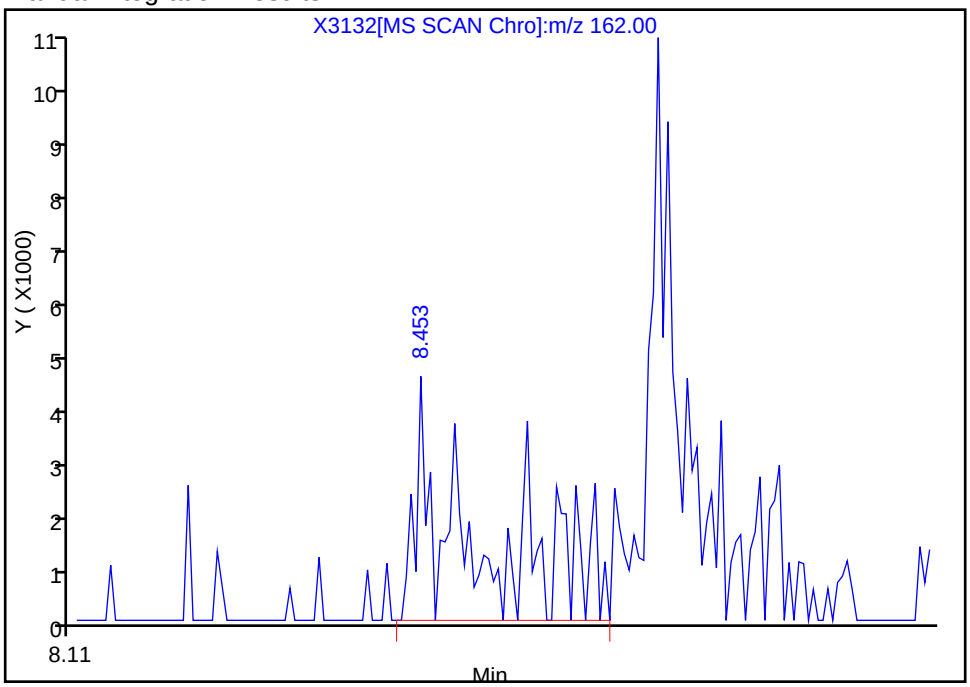
Processing Integration Results

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

Report Date: 18-Dec-2012 16:42:59 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

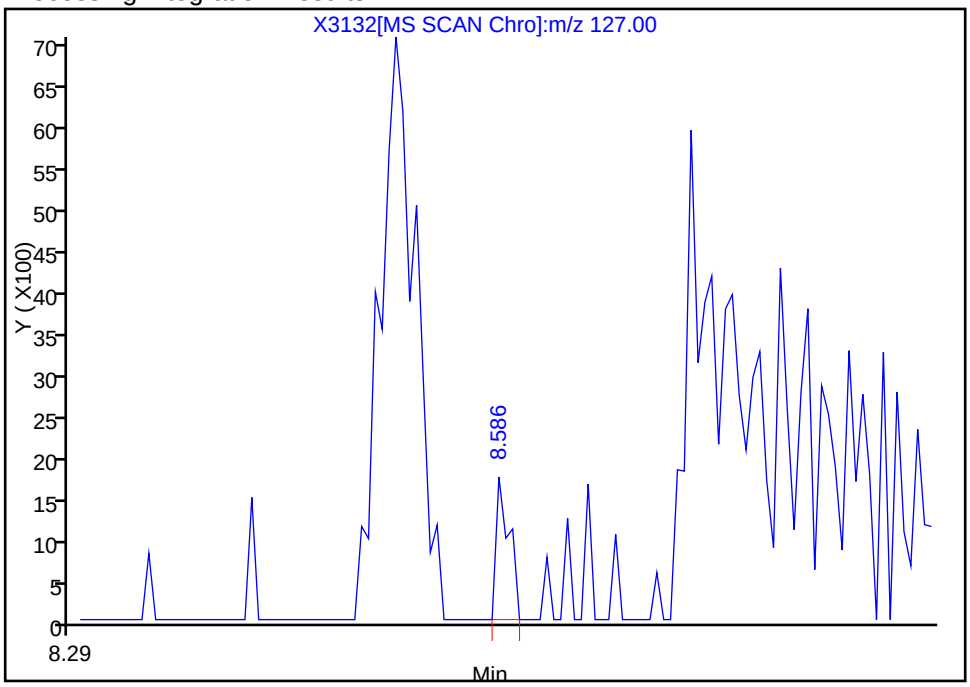
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3132.D		
Injection Date:	18-Dec-2012 11:45:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	3
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

51 4-Chloroaniline, Signal: 1, m/z: 127.0 Type: quant, RT: 8.66

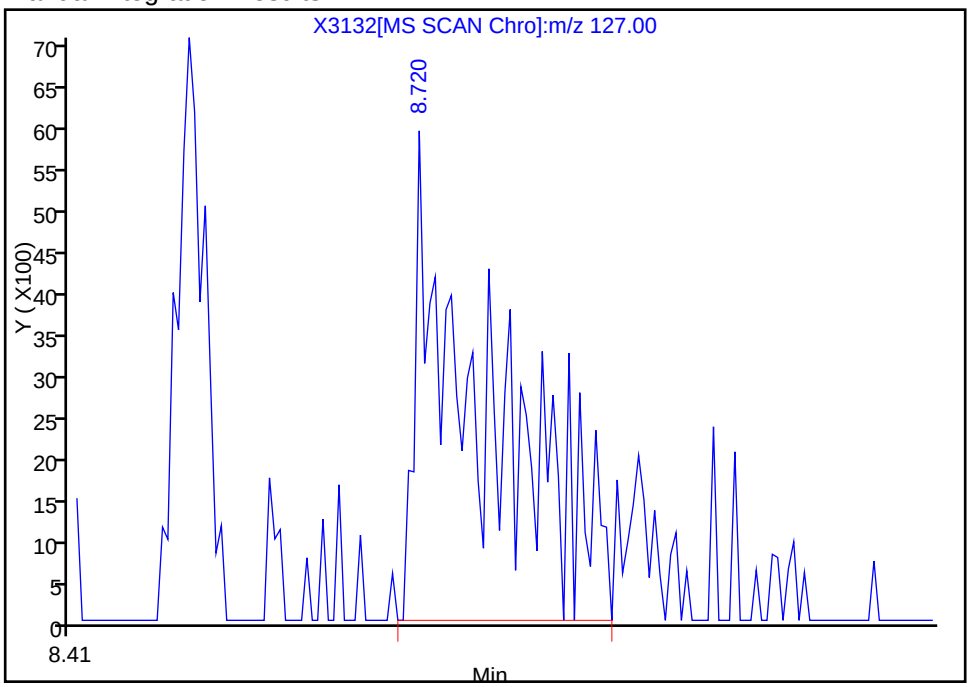
Processing Integration Results

RT: 8.59
Response: 1091
Amount: 0.500000



Manual Integration Results

RT: 8.72
Response: 25413
Amount: 0.389914



Reviewer: mckernar, 18-Dec-2012 13:05:38
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Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

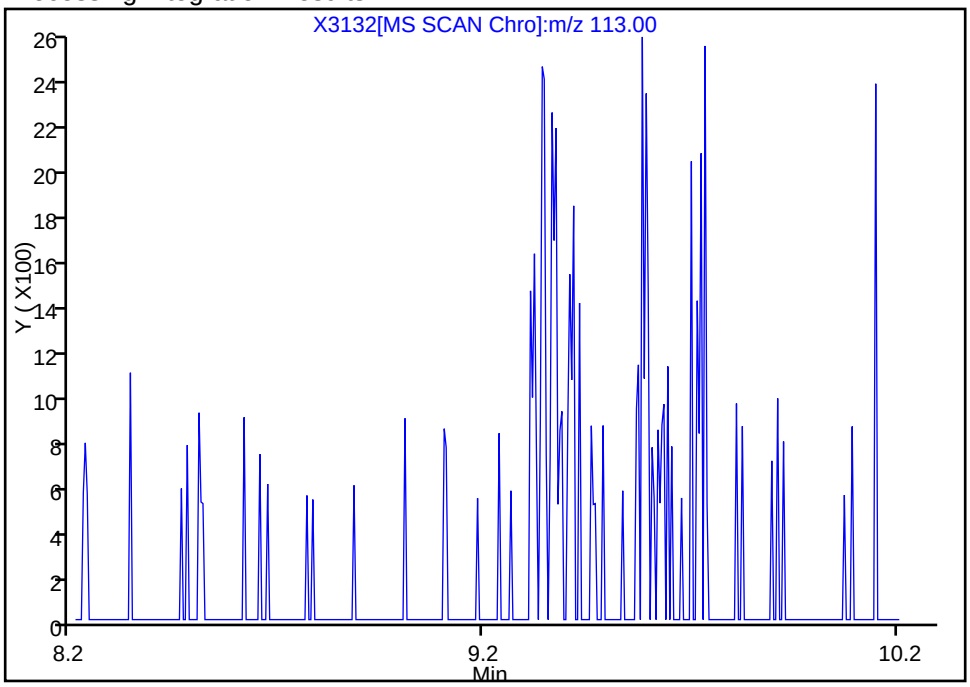
TestAmerica Buffalo

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

54 Caprolactam, Signal: 1, m/z: 113.0 Type: quant, RT: 9.21

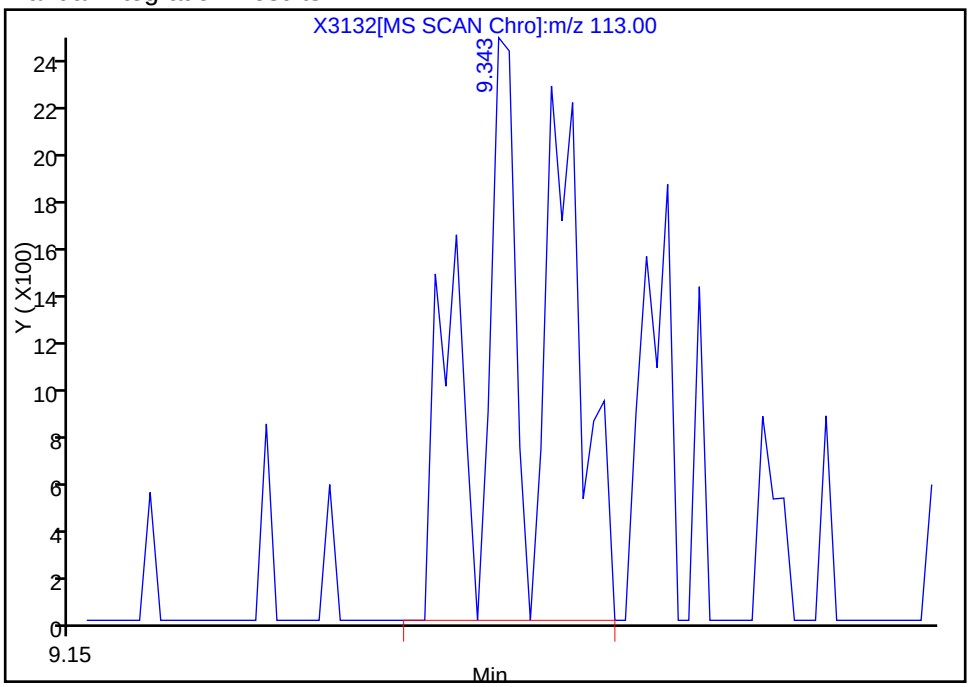
Processing Integration Results

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
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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

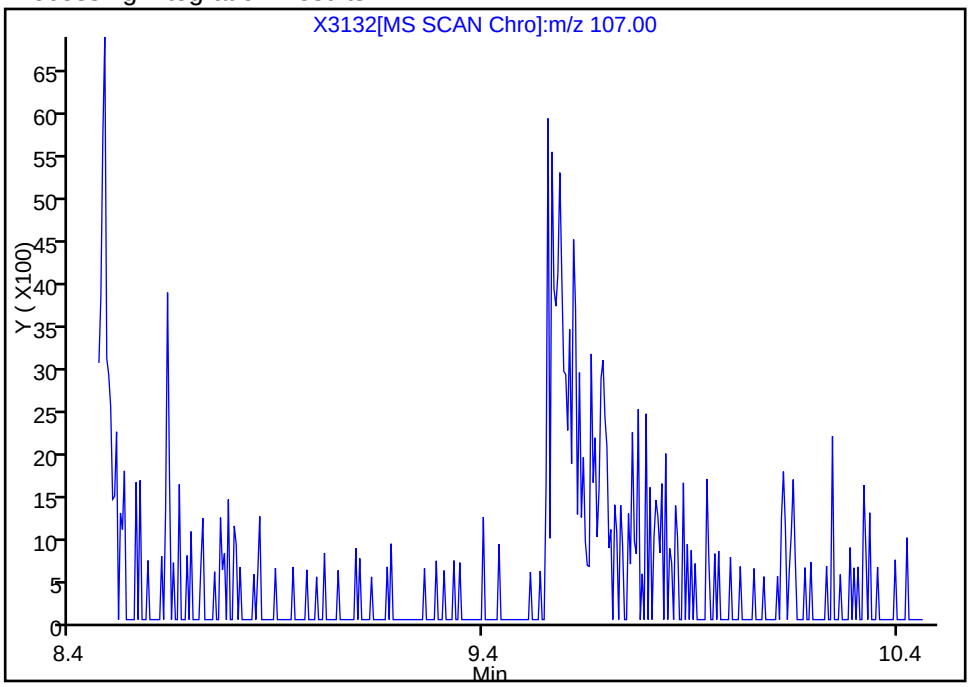
TestAmerica Buffalo

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

55 4-Chloro-3-methylphenol, Signal: 1, m/z: 107.0 Type: quant, RT: 9.47

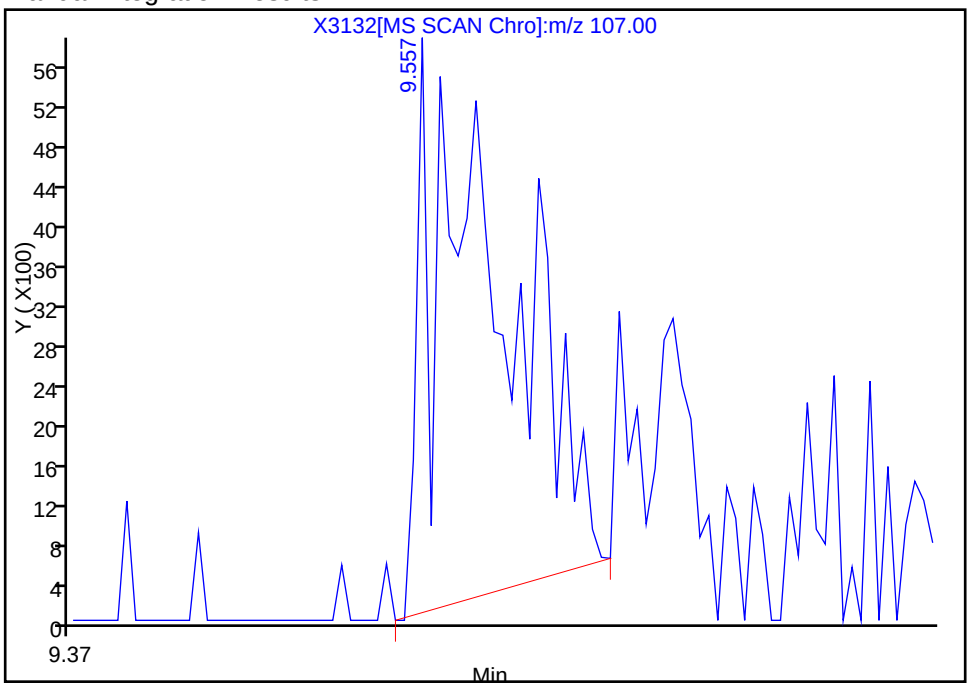
Processing Integration Results

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

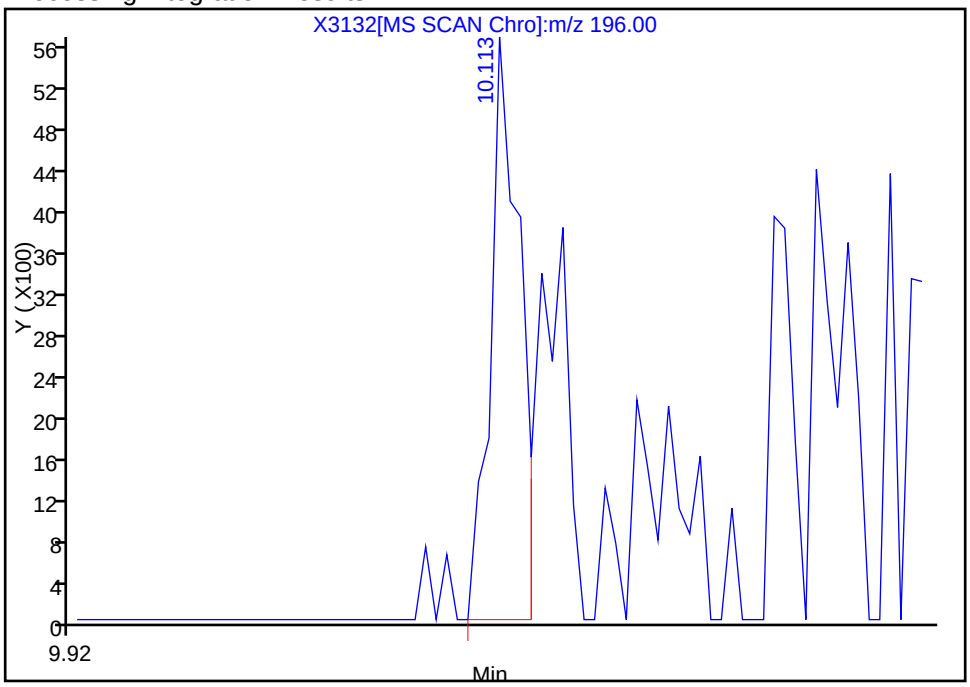
TestAmerica Buffalo

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

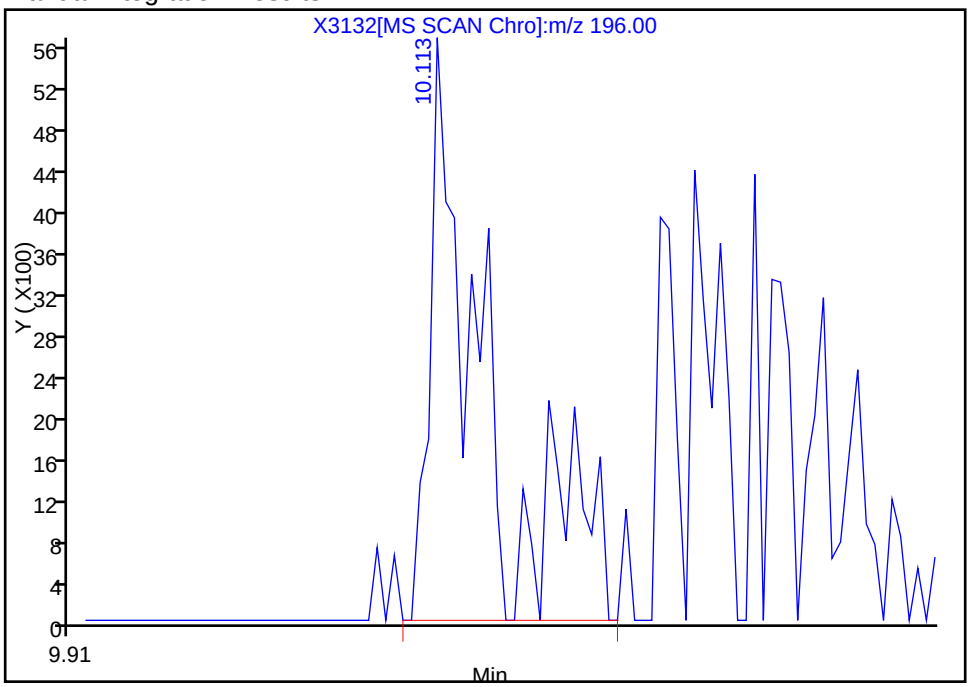
Processing Integration Results

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

Manual Integration/User Assign Peak Report

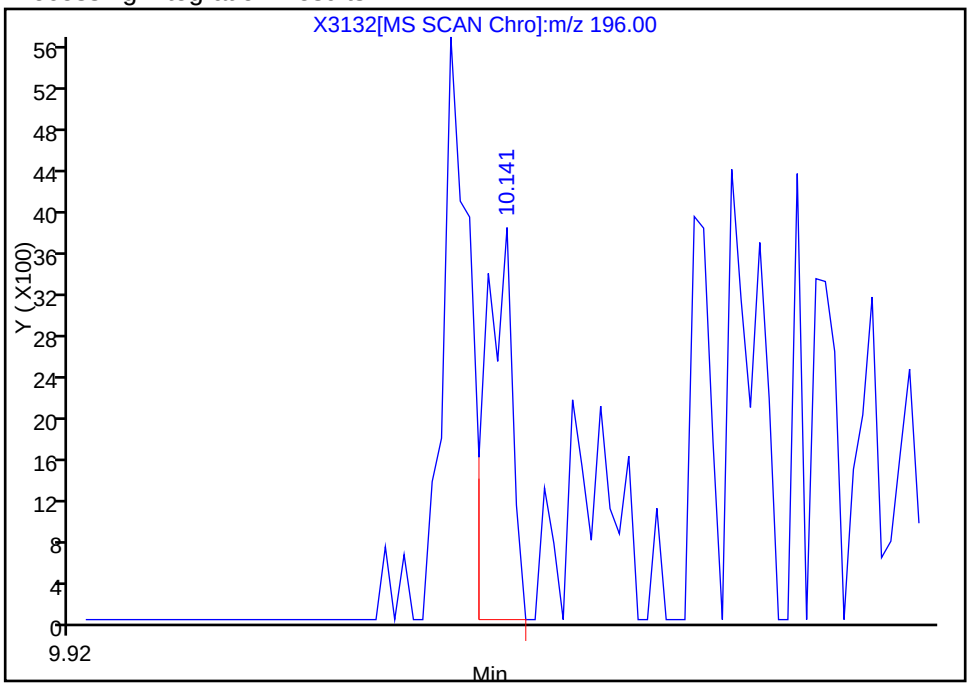
TestAmerica Buffalo

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

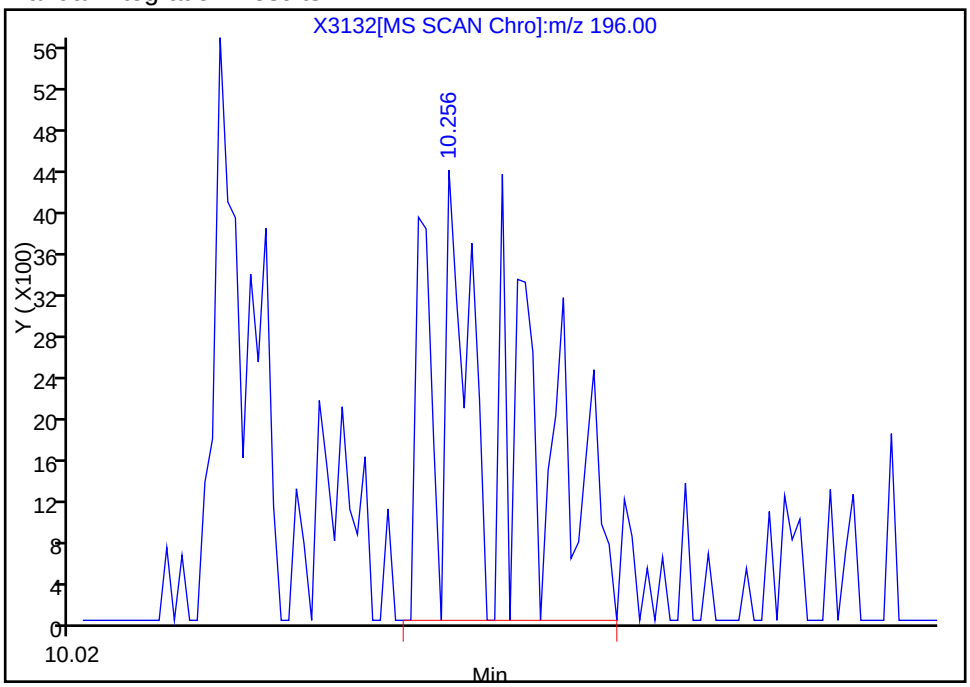
Processing Integration Results

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

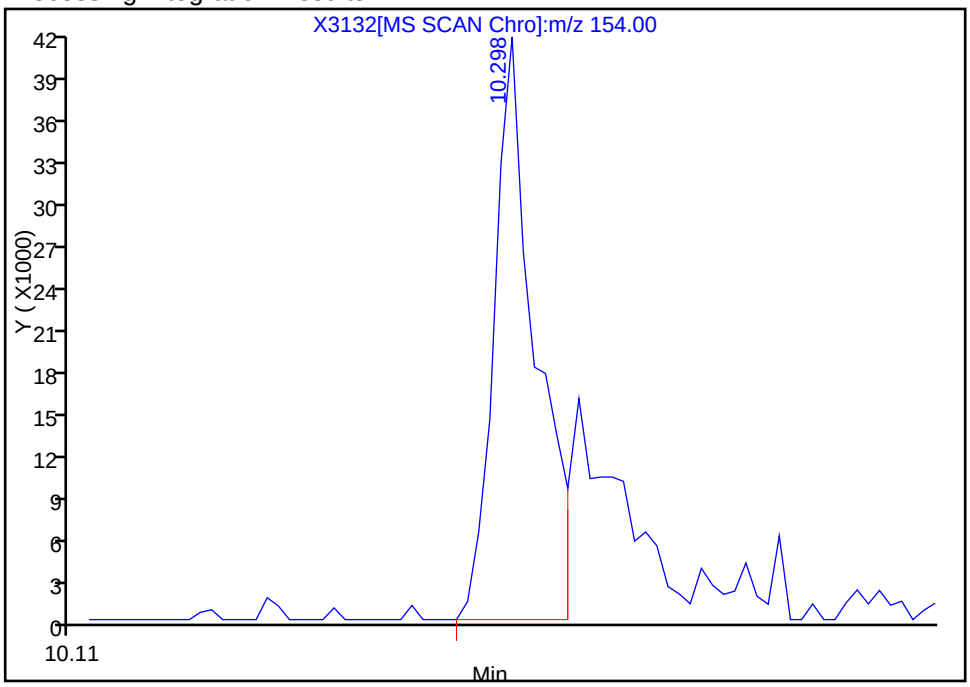
TestAmerica Buffalo

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

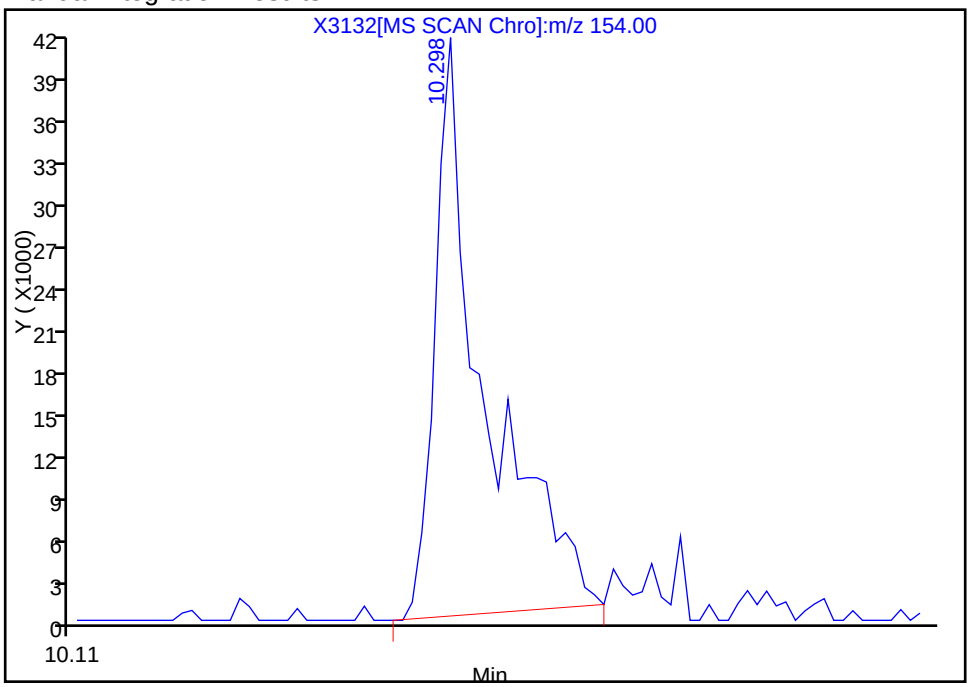
Processing Integration Results

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

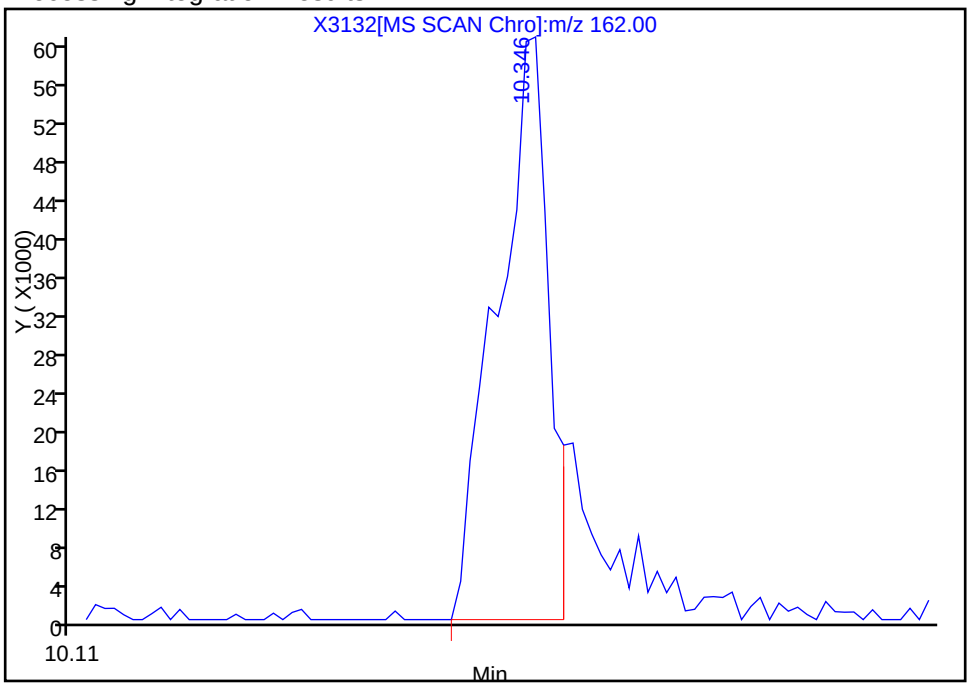
TestAmerica Buffalo

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

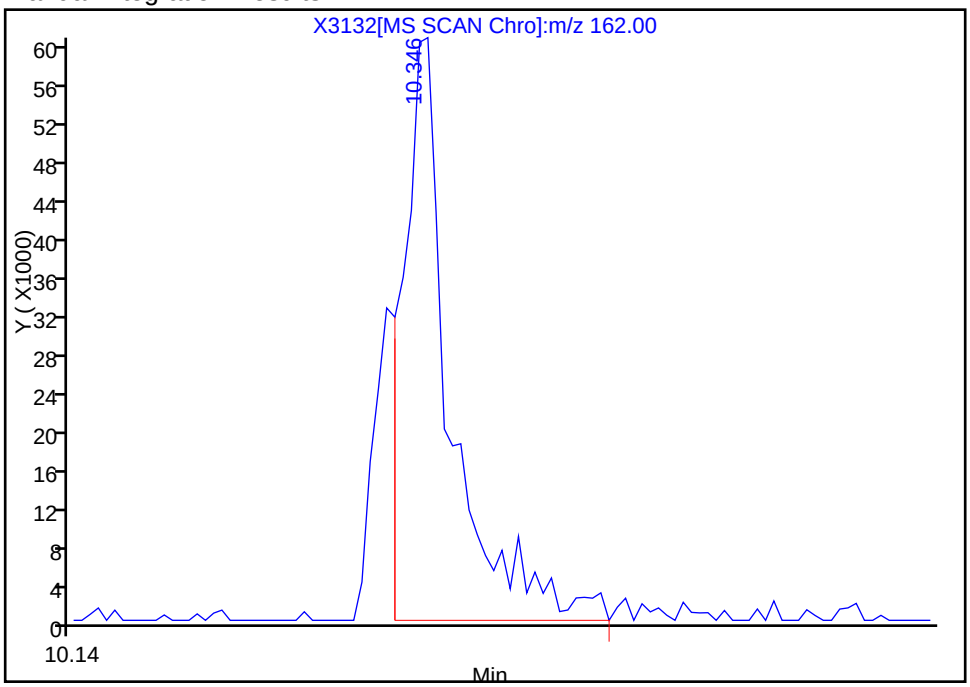
Processing Integration Results

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

Report Date: 18-Dec-2012 16:42:59 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

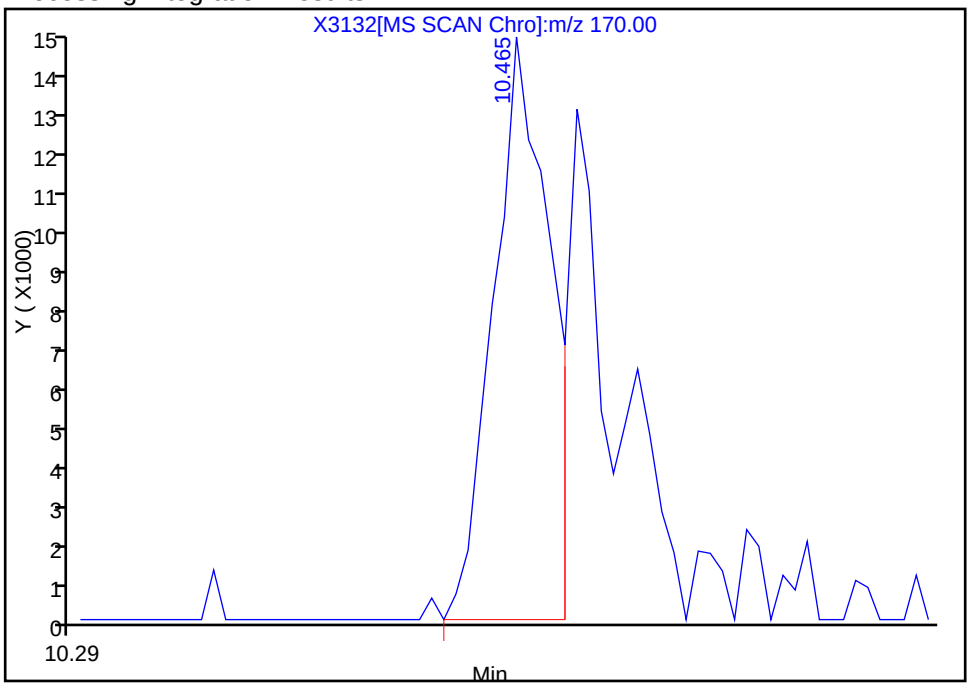
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3132.D		
Injection Date:	18-Dec-2012 11:45:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	3
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

64 Phenyl ether, Signal: 1, m/z: 170.0 Type: quant, RT: 10.44

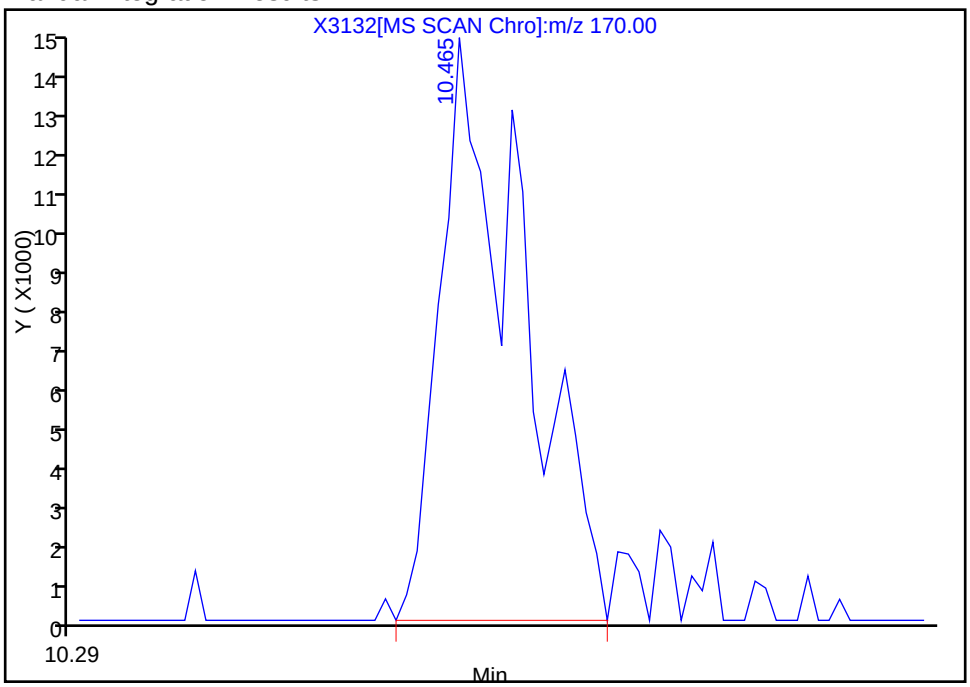
Processing Integration Results

RT: 10.46
Response: 22947
Amount: 0



Manual Integration Results

RT: 10.46
Response: 38232
Amount: 0.495097



Reviewer: mckernar, 18-Dec-2012 13:05:38
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 18-Dec-2012 16:42:59 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

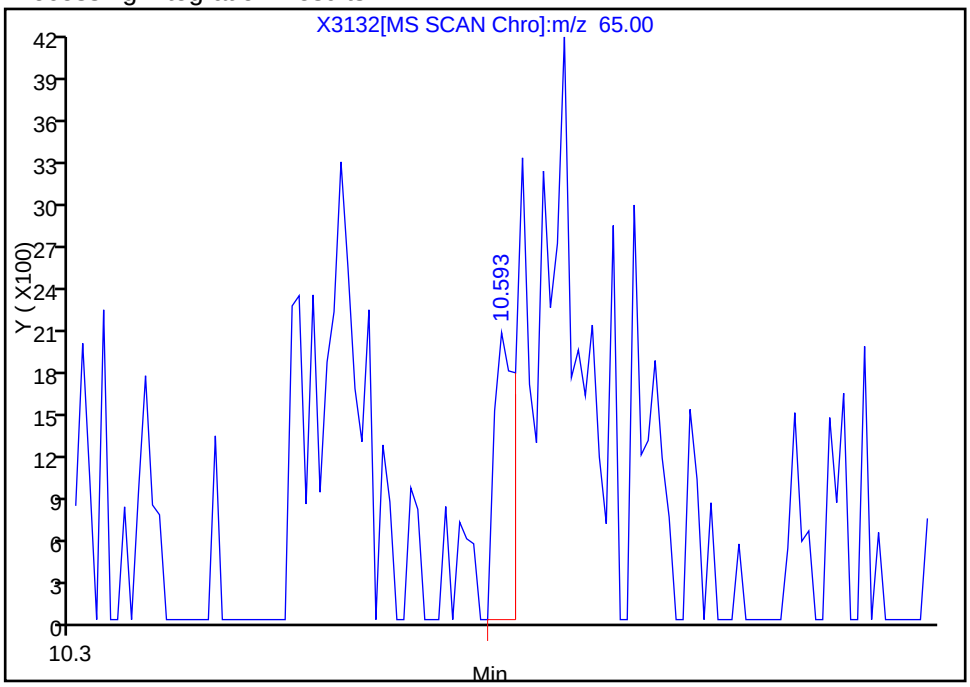
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3132.D		
Injection Date:	18-Dec-2012 11:45:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	3
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

65 2-Nitroaniline, Signal: 1, m/z: 65.0 Type: quant, RT: 10.51

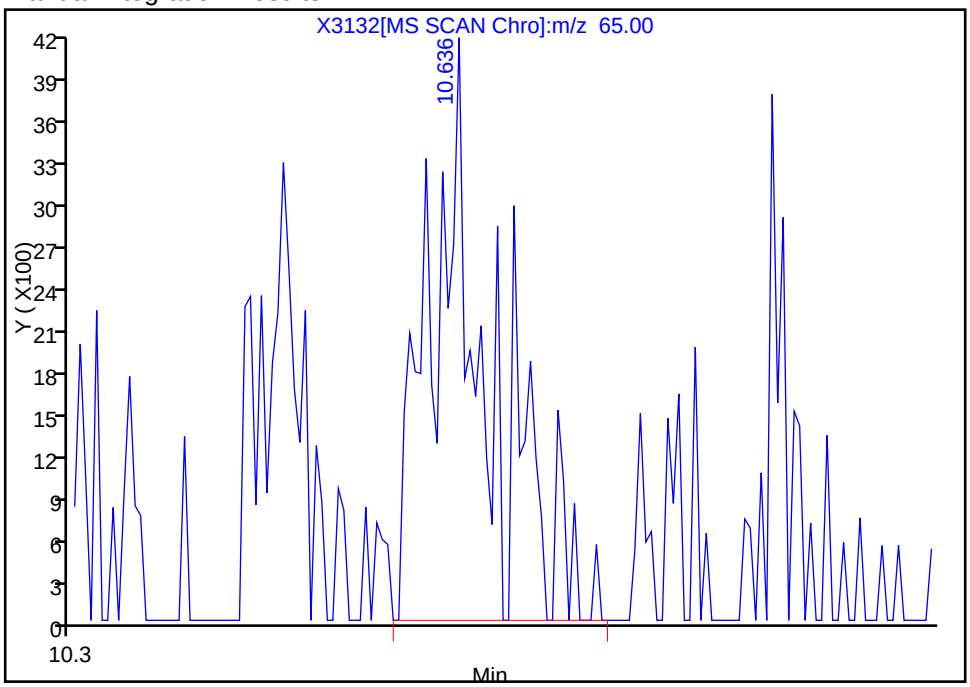
Processing Integration Results

RT: 10.59
Response: 2030
Amount: 0.500000



Manual Integration Results

RT: 10.64
Response: 14515
Amount: 0.446249



Reviewer: mckernar, 18-Dec-2012 13:05:38
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Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

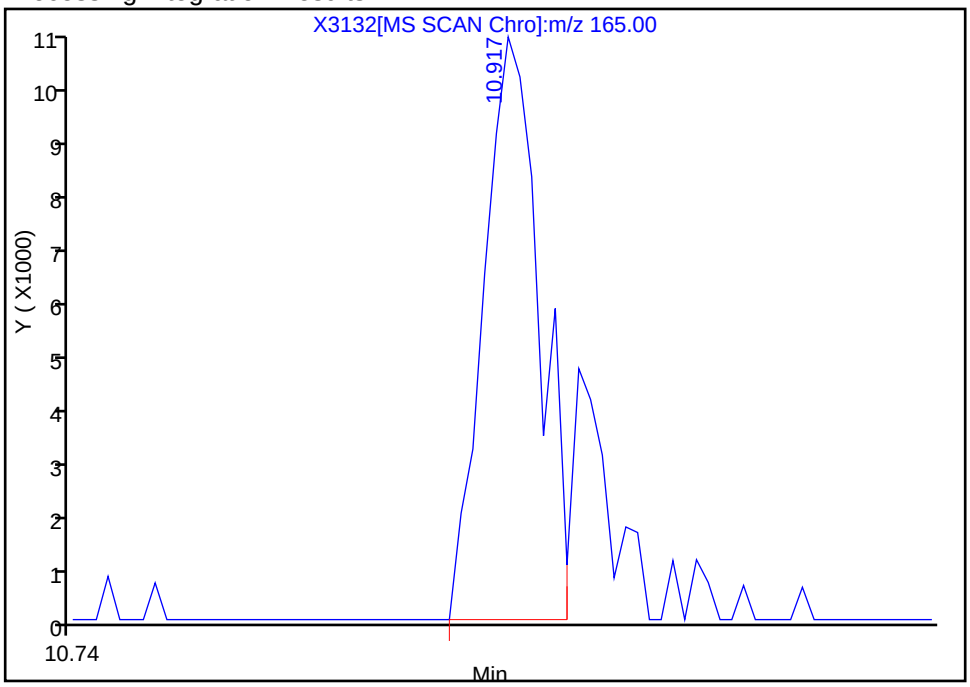
TestAmerica Buffalo

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

68 2,6-Dinitrotoluene, Signal: 1, m/z: 165.0 Type: quant, RT: 10.86

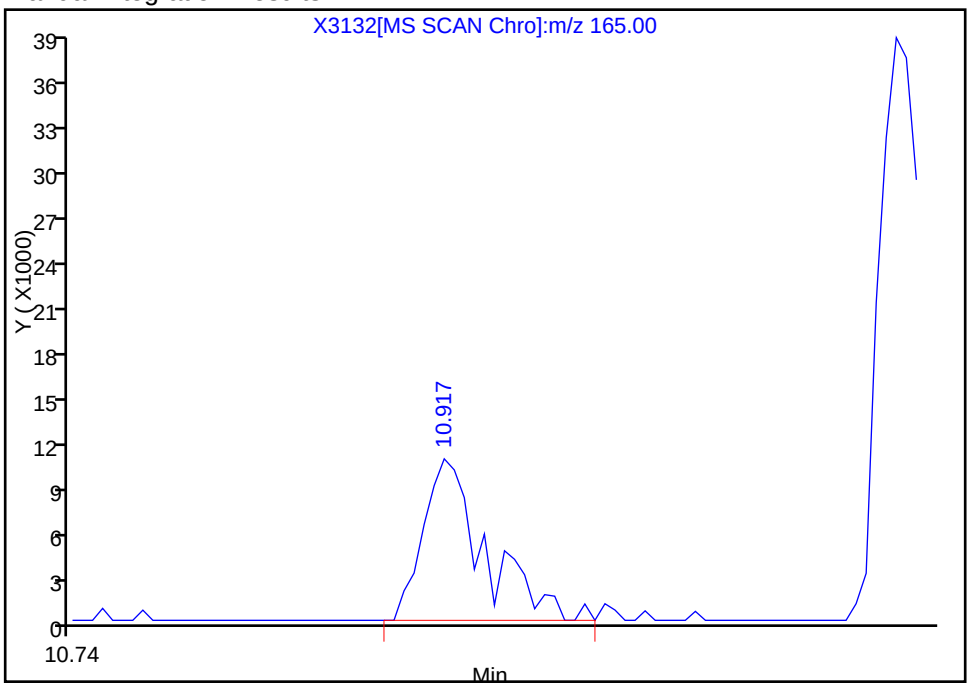
Processing Integration Results

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

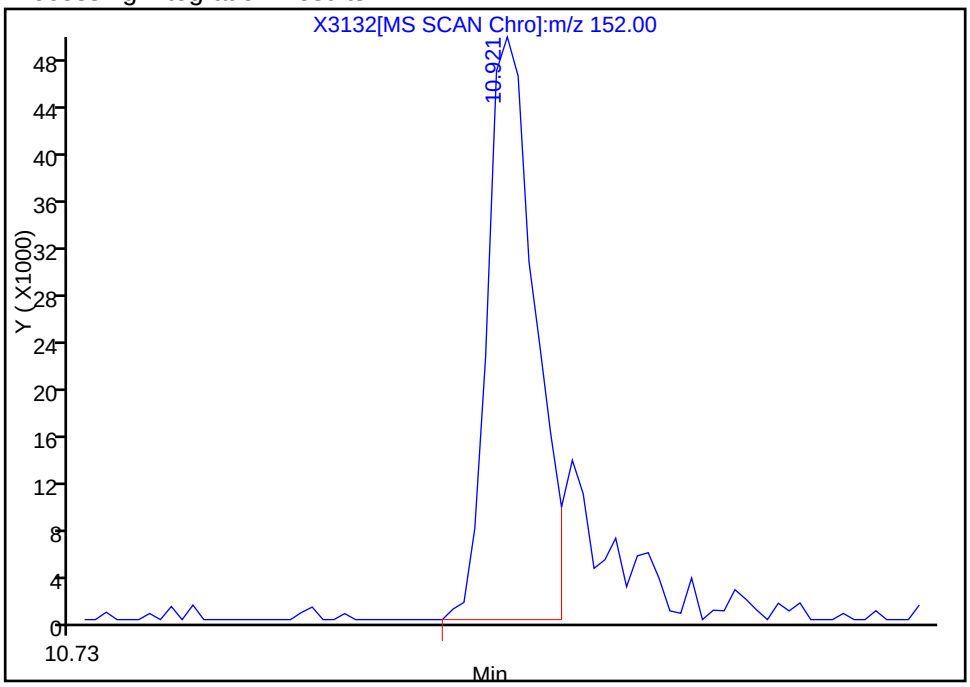
TestAmerica Buffalo

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

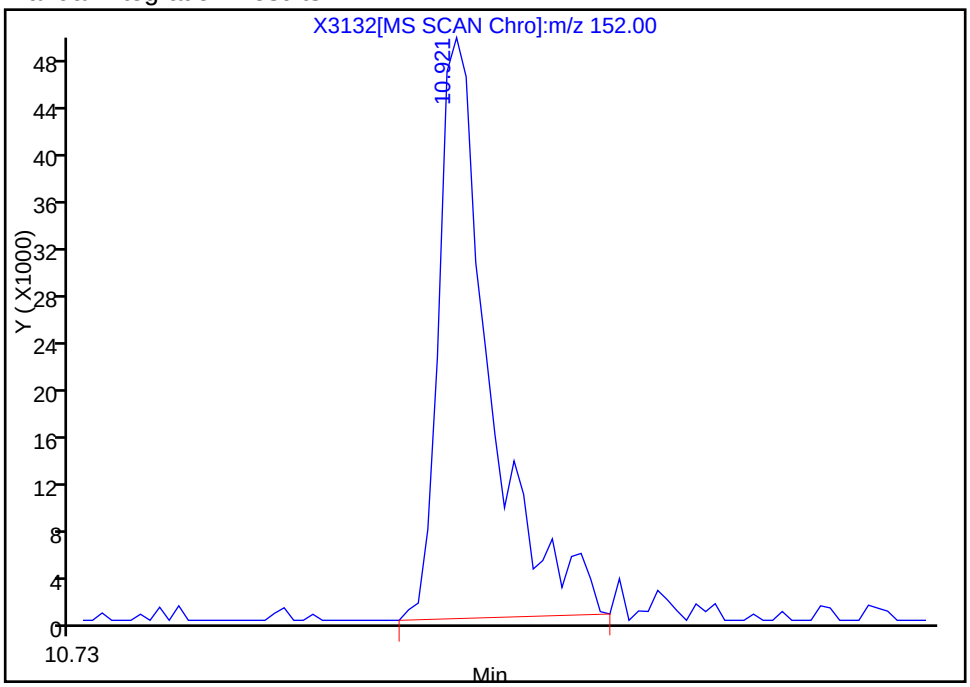
Processing Integration Results

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

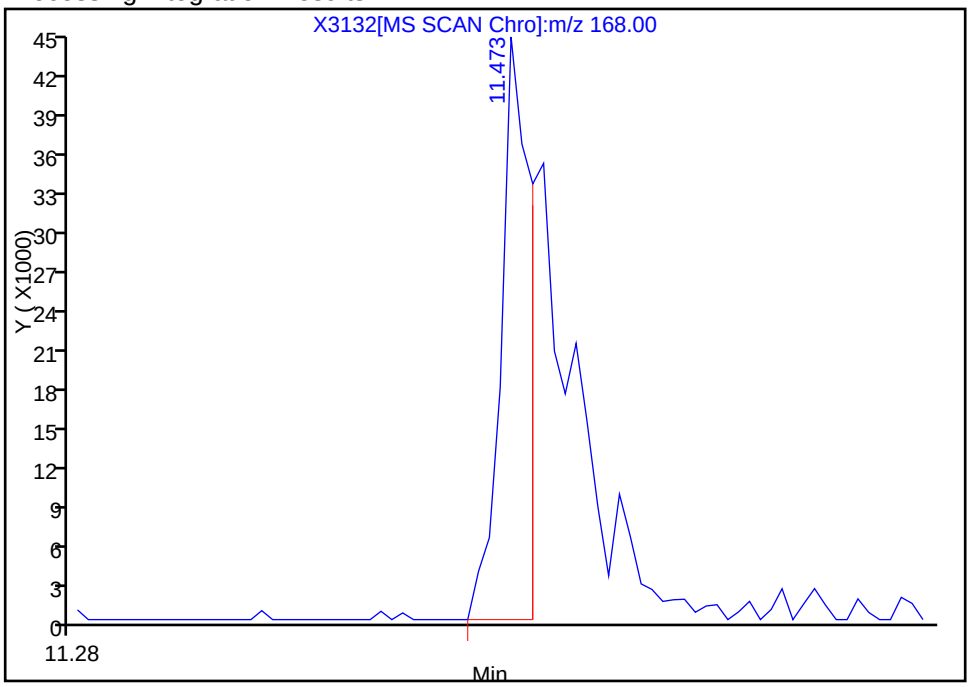
TestAmerica Buffalo

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

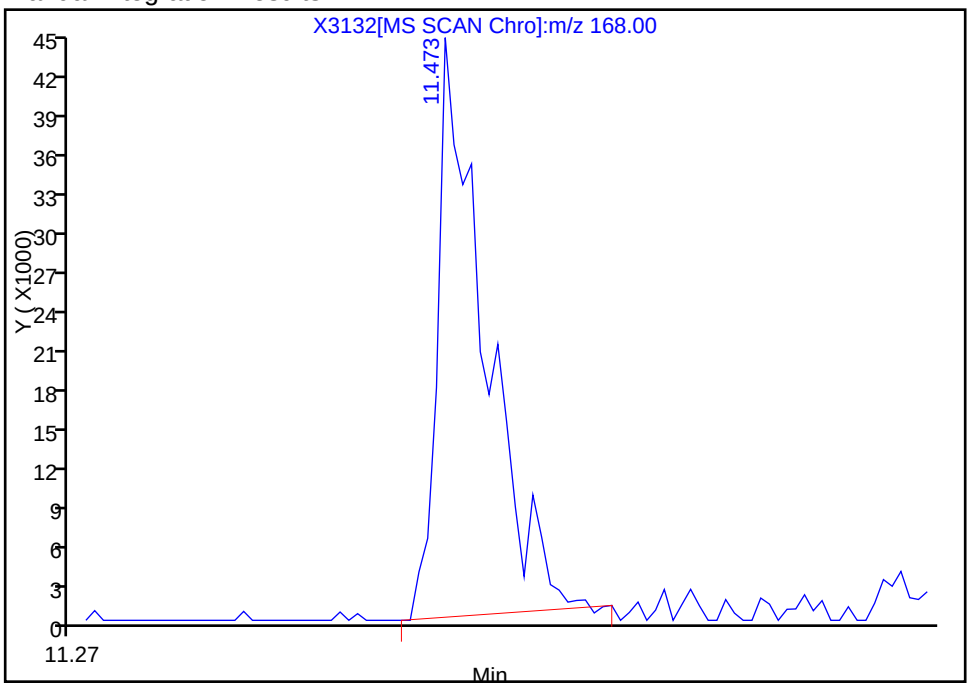
Processing Integration Results

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

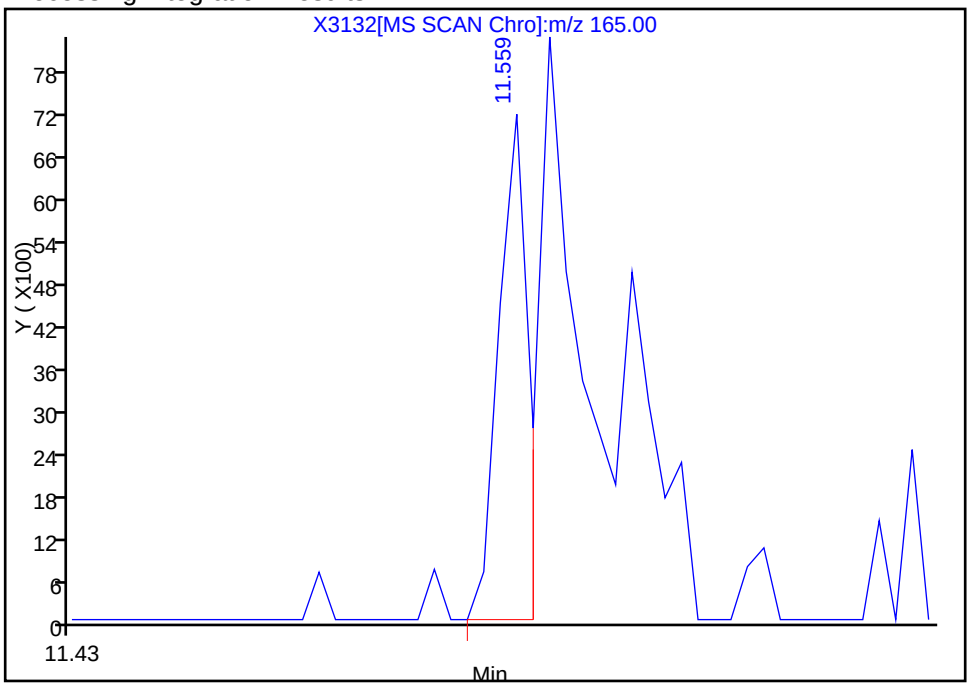
TestAmerica Buffalo

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

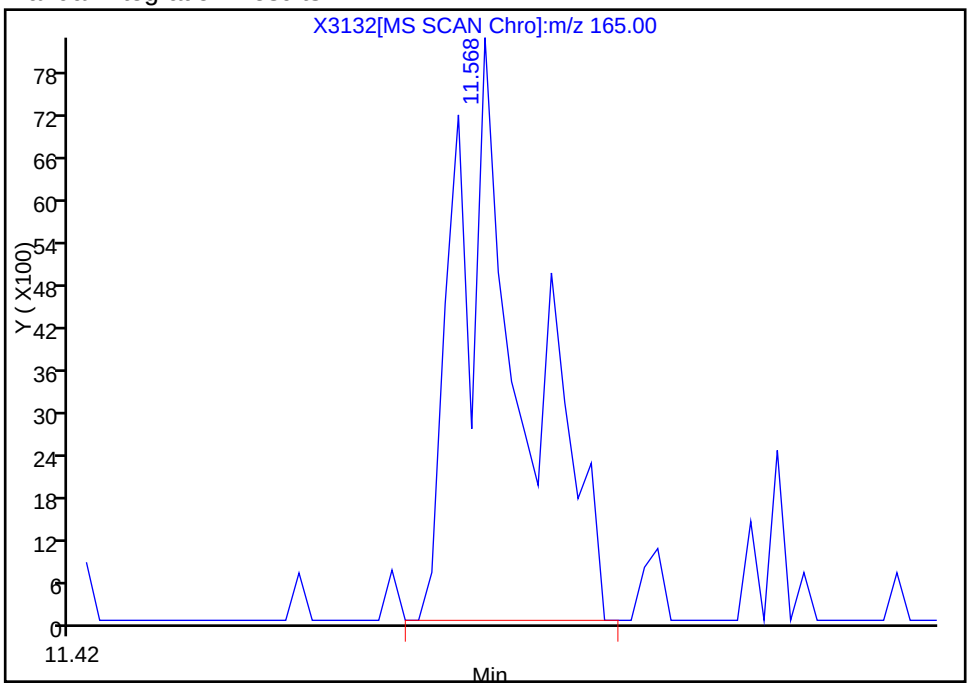
Processing Integration Results

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

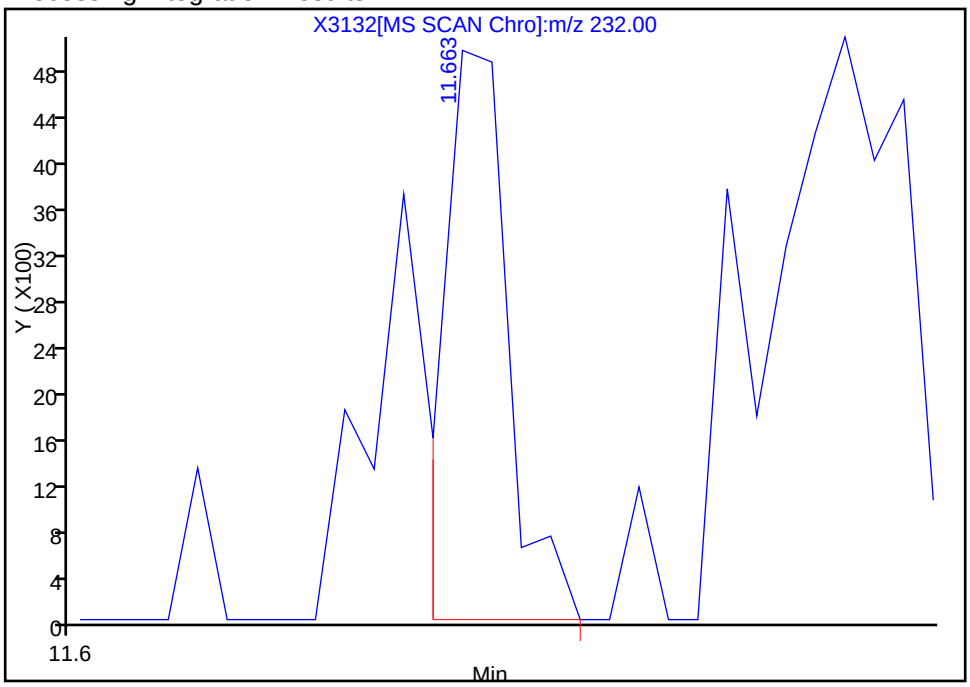
TestAmerica Buffalo

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

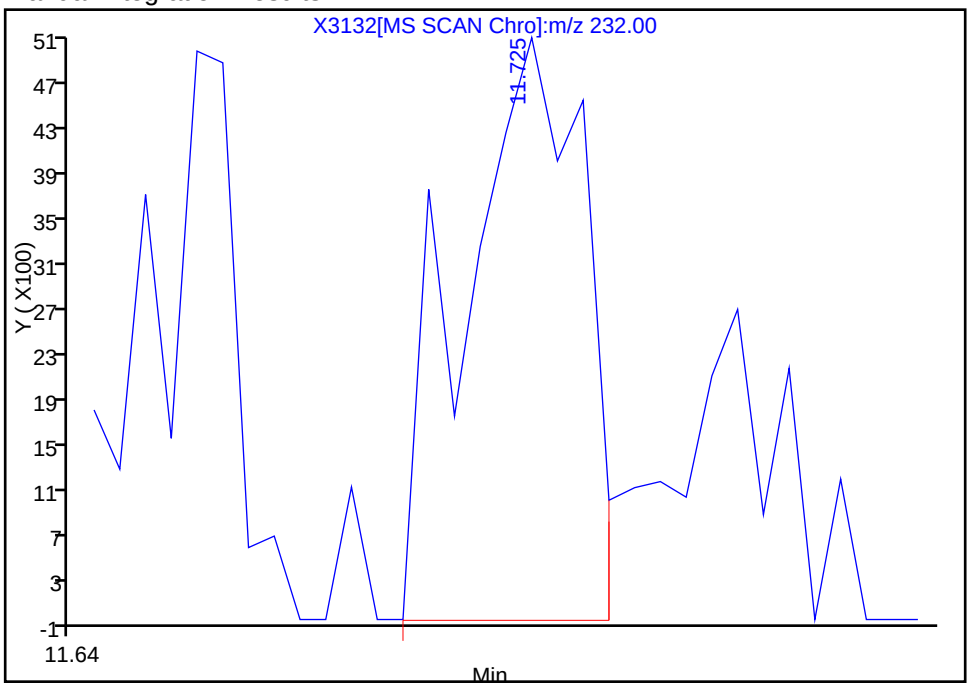
Processing Integration Results

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

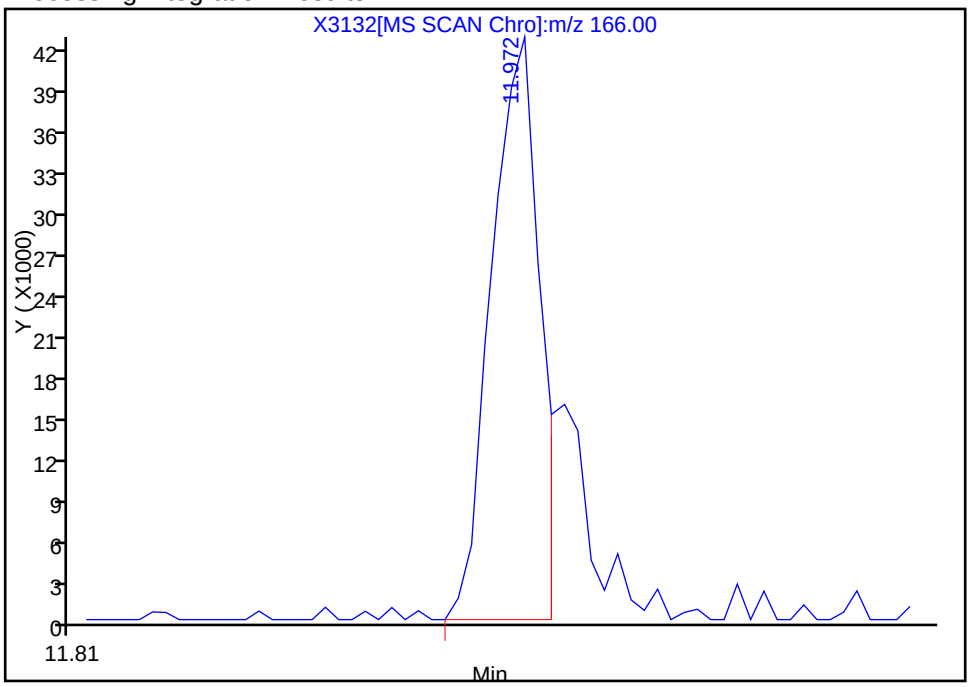
TestAmerica Buffalo

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

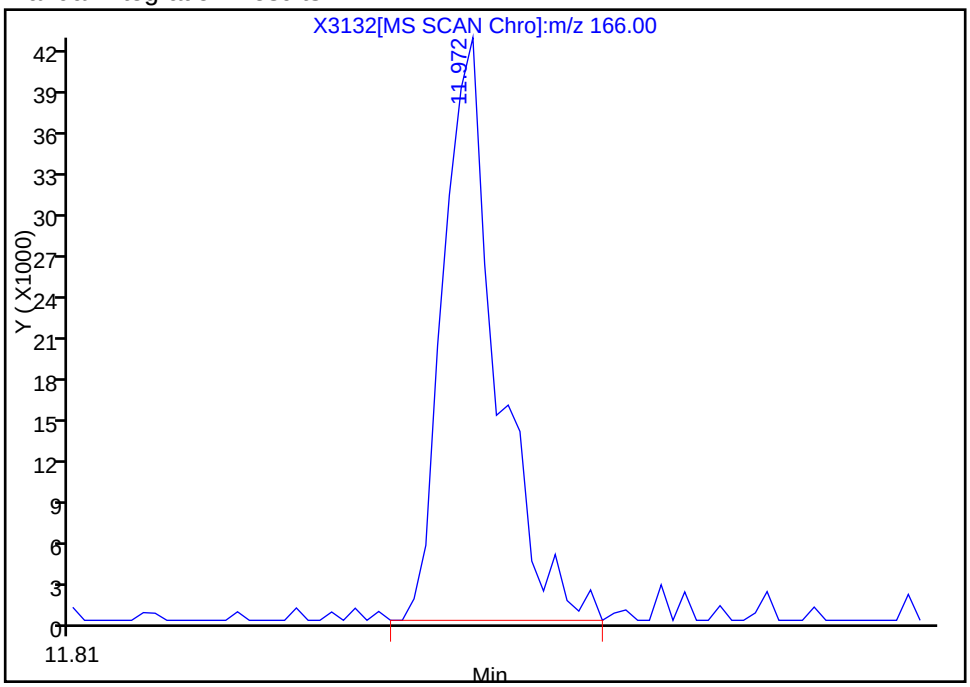
Processing Integration Results

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

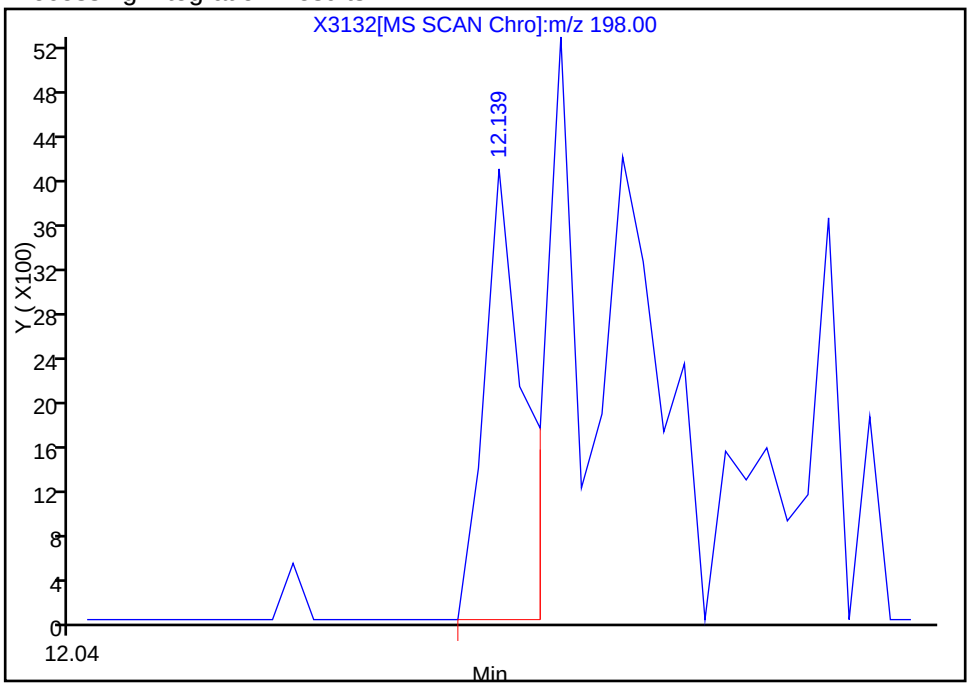
TestAmerica Buffalo

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

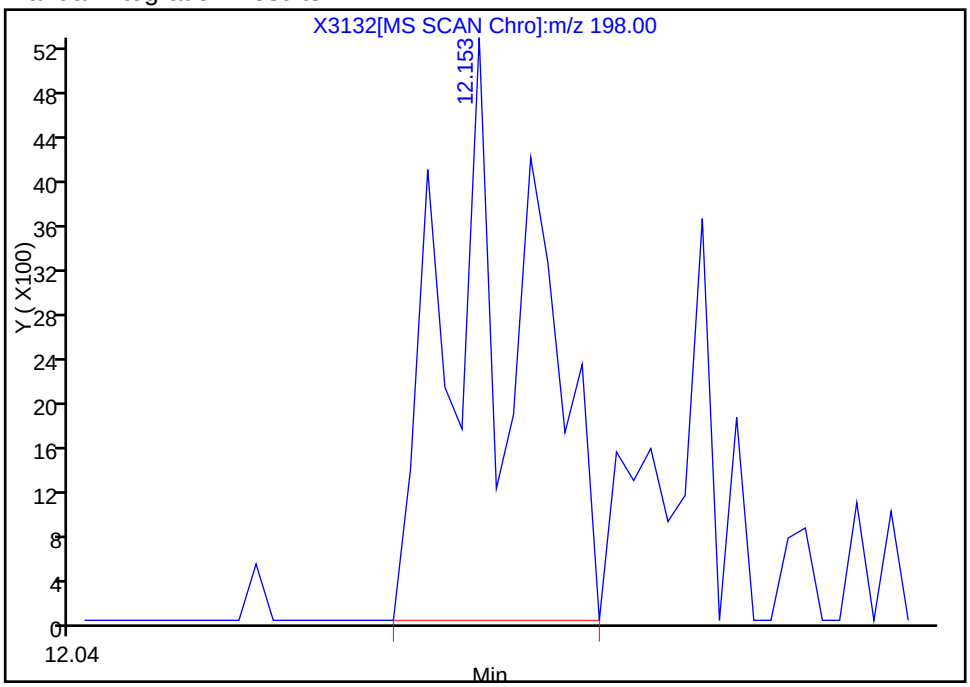
Processing Integration Results

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

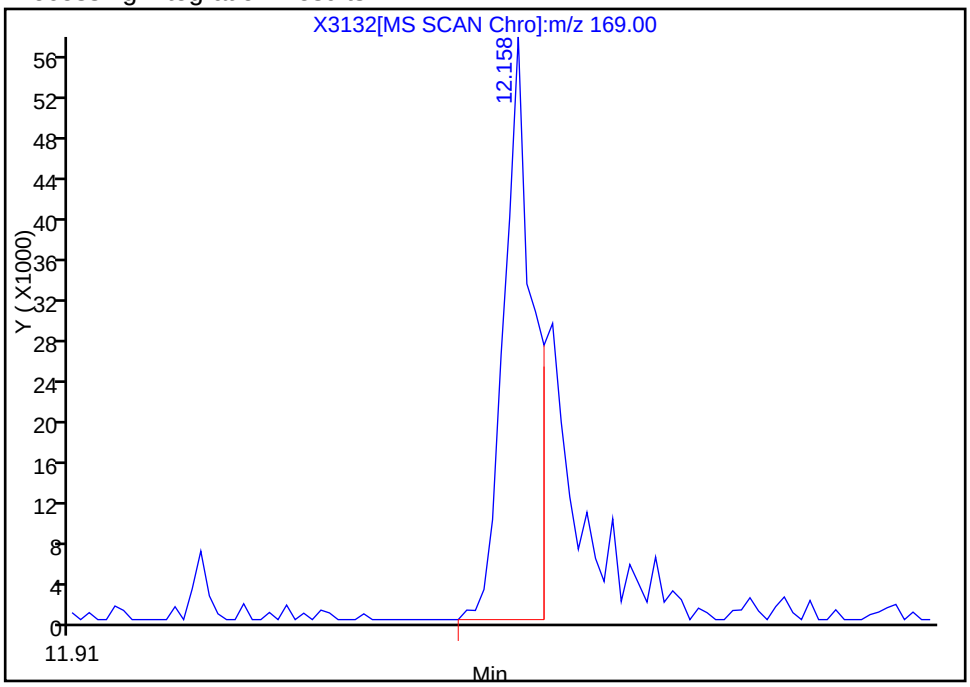
TestAmerica Buffalo

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

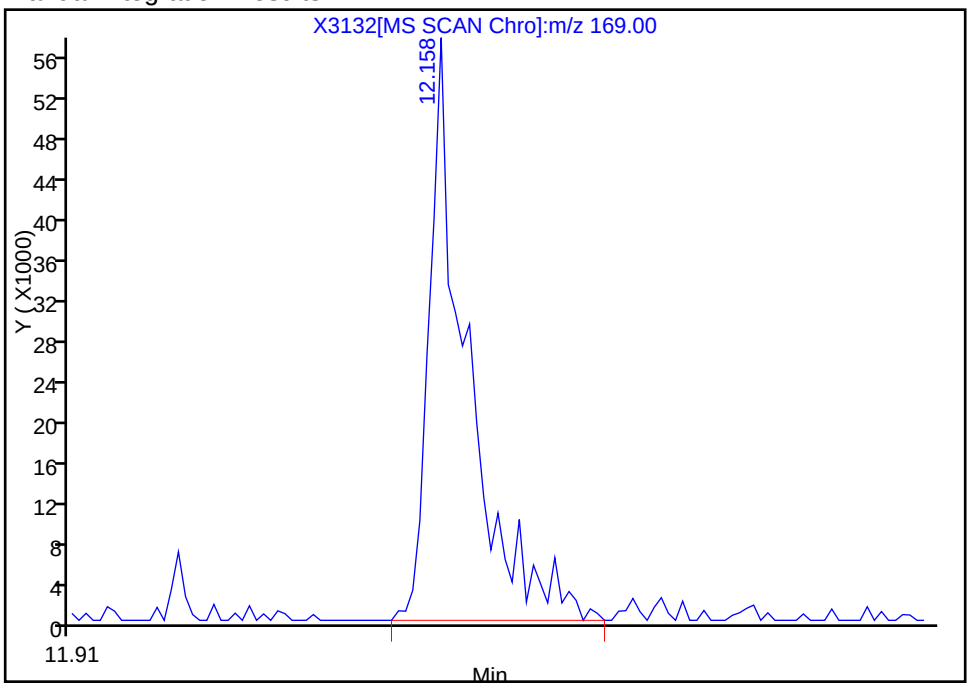
Processing Integration Results

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

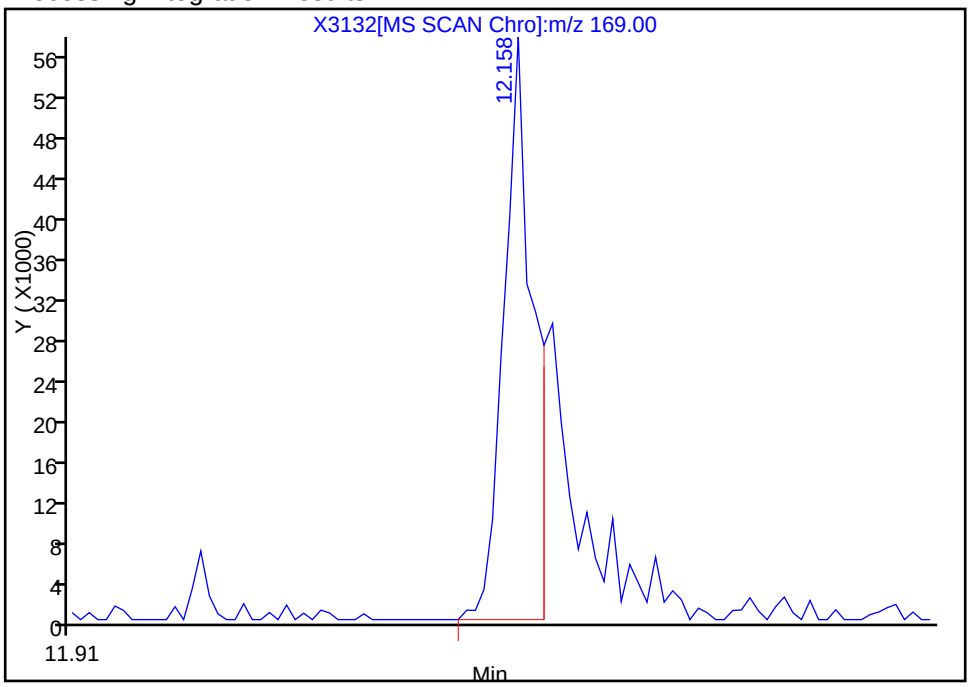
TestAmerica Buffalo

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

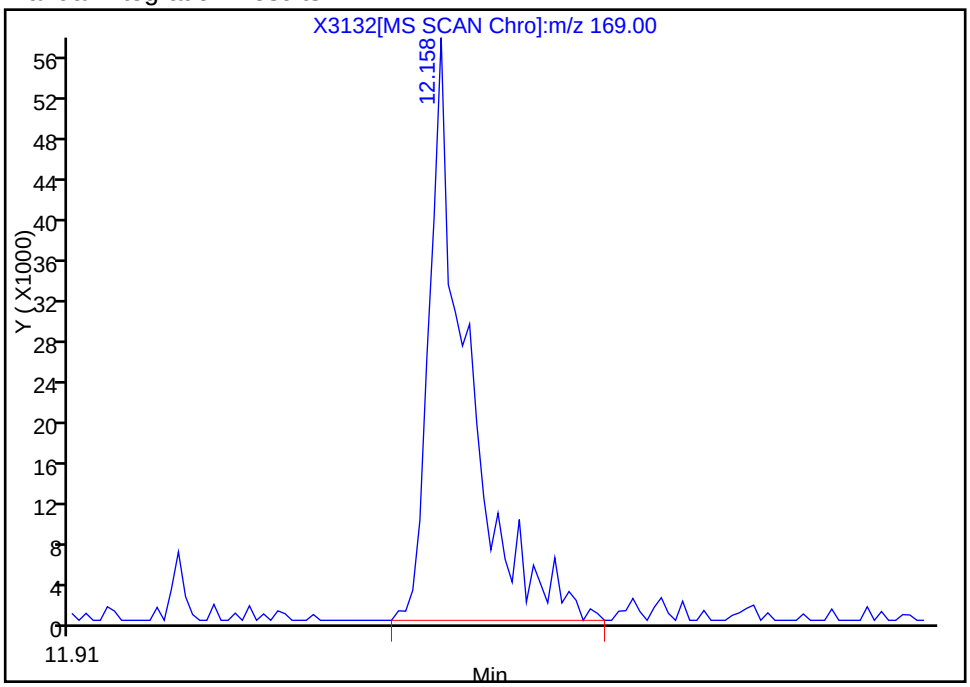
Processing Integration Results

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

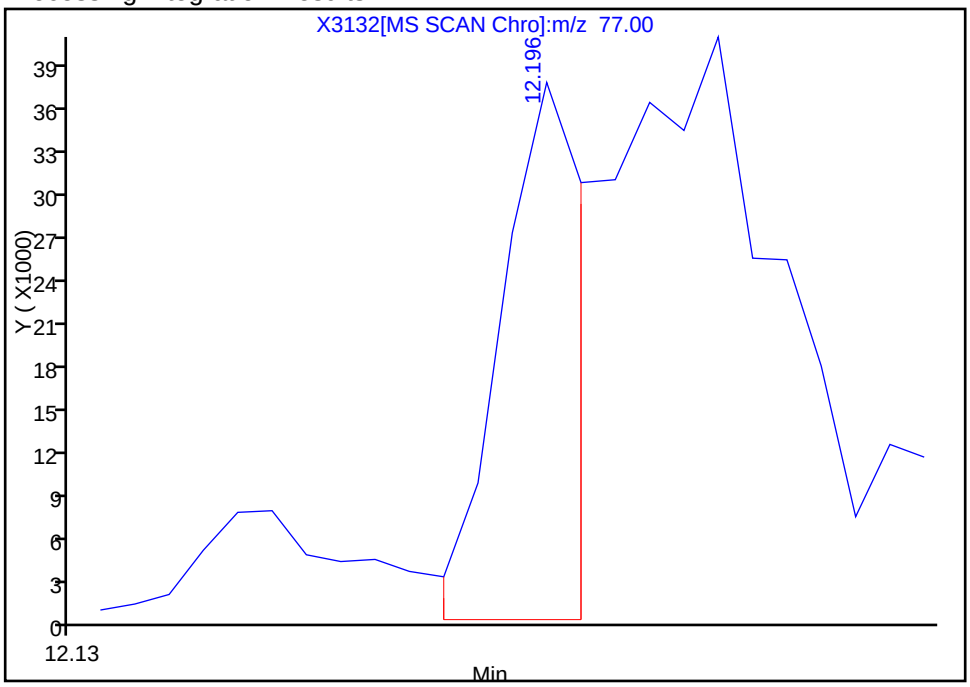
TestAmerica Buffalo

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

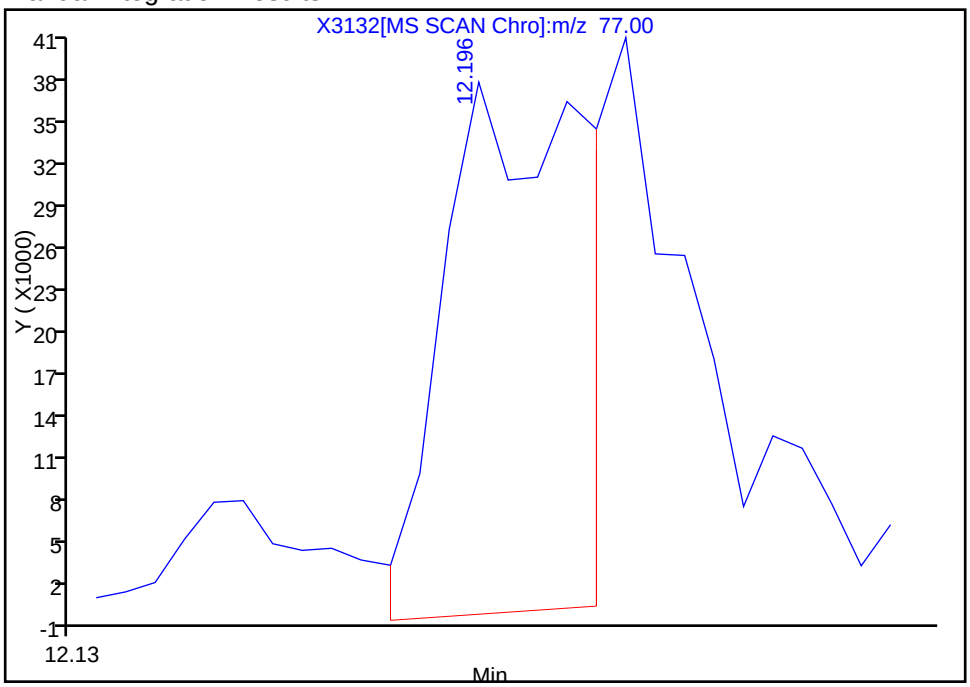
Processing Integration Results

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

Report Date: 18-Dec-2012 16:42:59 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

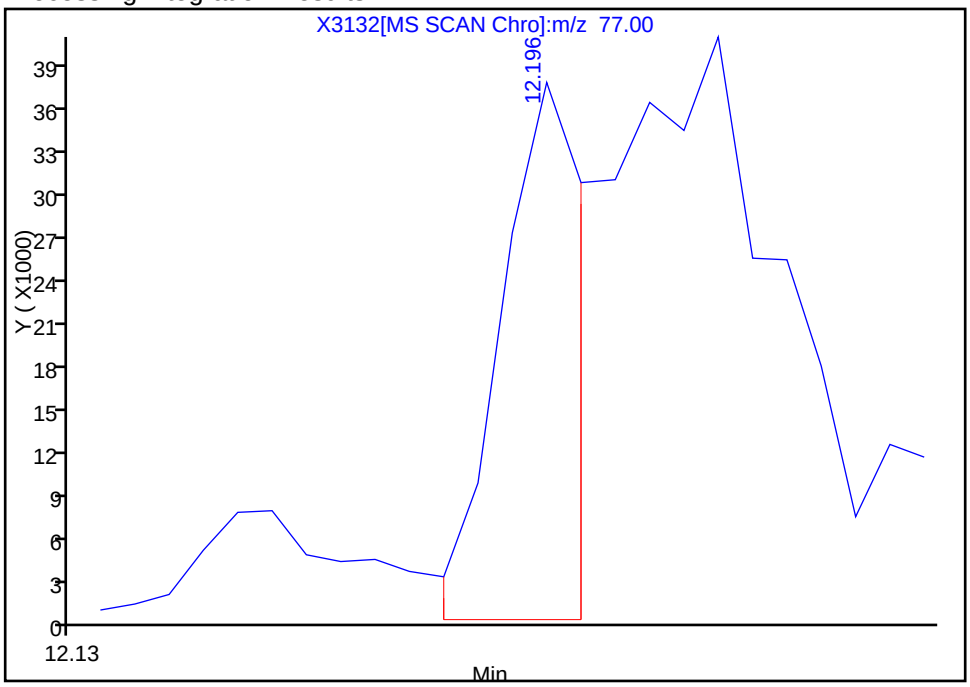
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3132.D		
Injection Date:	18-Dec-2012 11:45:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	3
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

85 Azobenzene, Signal: 1, m/z: 77.0 Type: quant, RT: 12.17

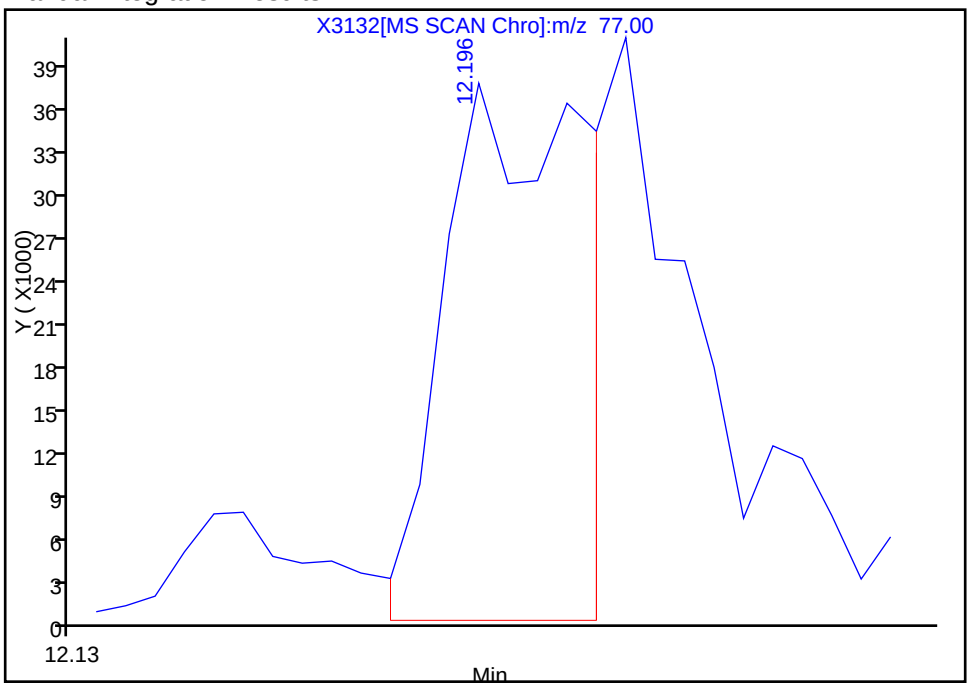
Processing Integration Results

RT: 12.20
Response: 30190
Amount: 0.500000



Manual Integration Results

RT: 12.20
Response: 58380
Amount: 0.427233



Reviewer: mckernar, 18-Dec-2012 13:05:38
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

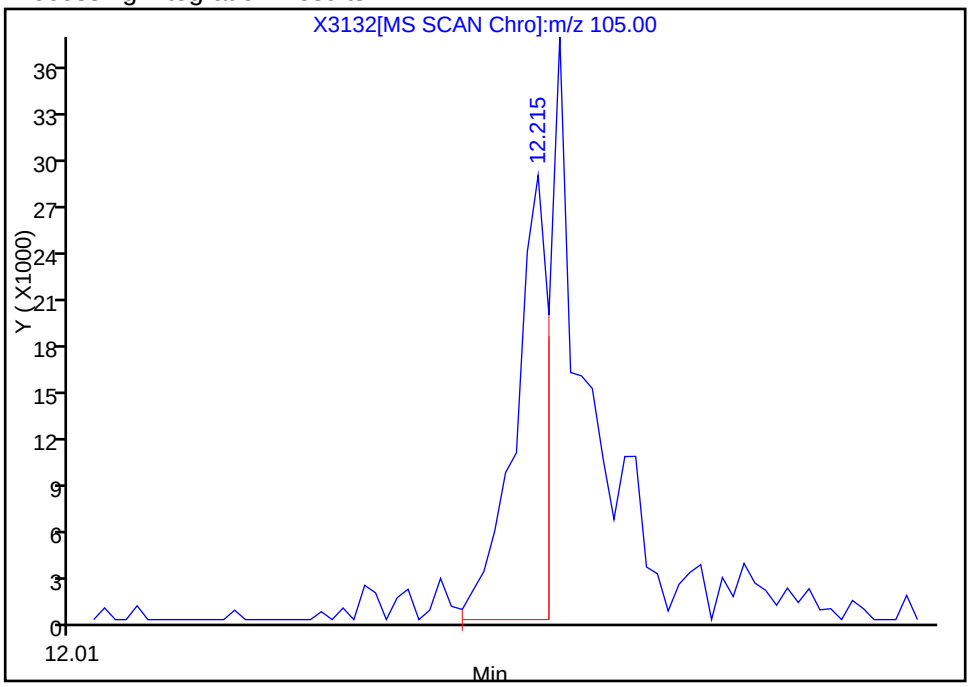
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3132.D		
Injection Date:	18-Dec-2012 11:45:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	3
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

86 Benzophenone, Signal: 1, m/z: 105.0 Type: quant, RT: 12.19

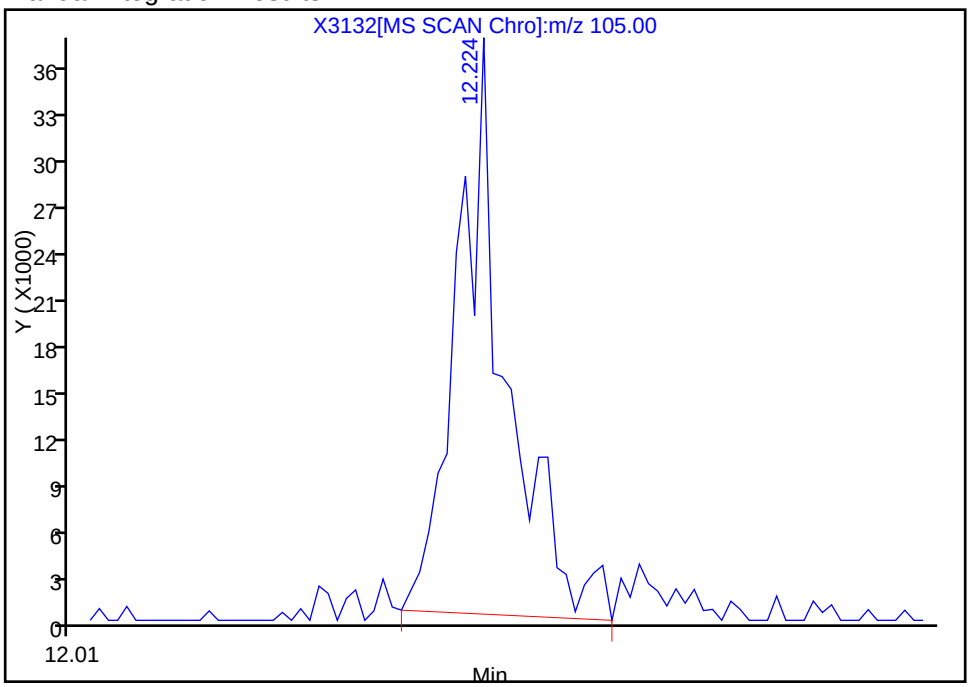
Processing Integration Results

RT: 12.21
Response: 29678
Amount: 0



Manual Integration Results

RT: 12.22
Response: 66890
Amount: 0.572698



Reviewer: mckernar, 18-Dec-2012 13:05:38
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 18-Dec-2012 16:42:59 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

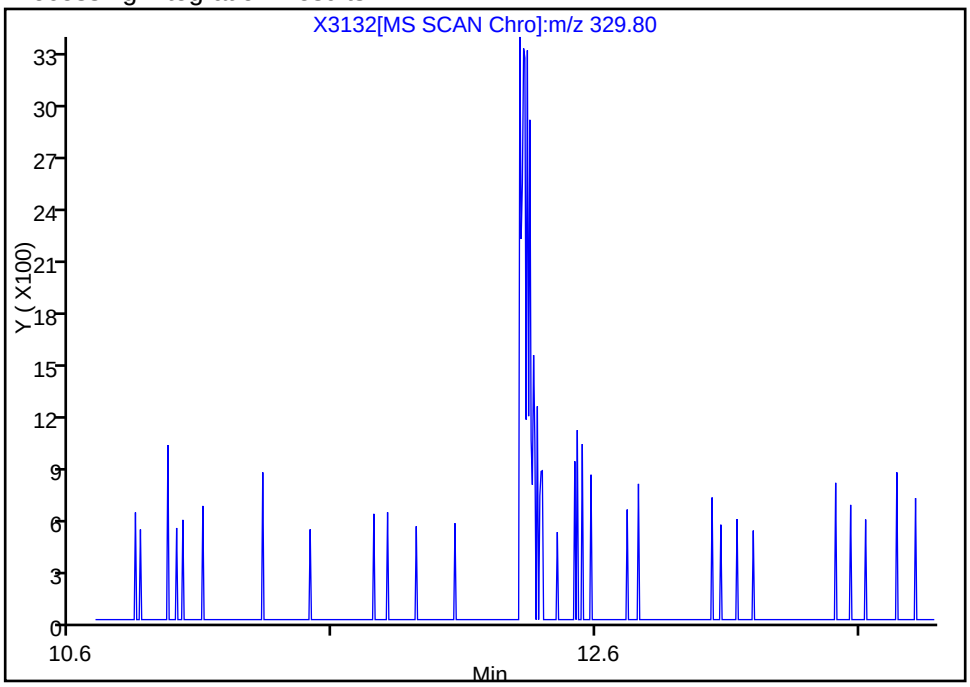
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3132.D		
Injection Date:	18-Dec-2012 11:45:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	3
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

$ 11 2,4,6-Tribromophenol, Signal: 1, m/z: 329.8 Type: quant, RT: 12.29

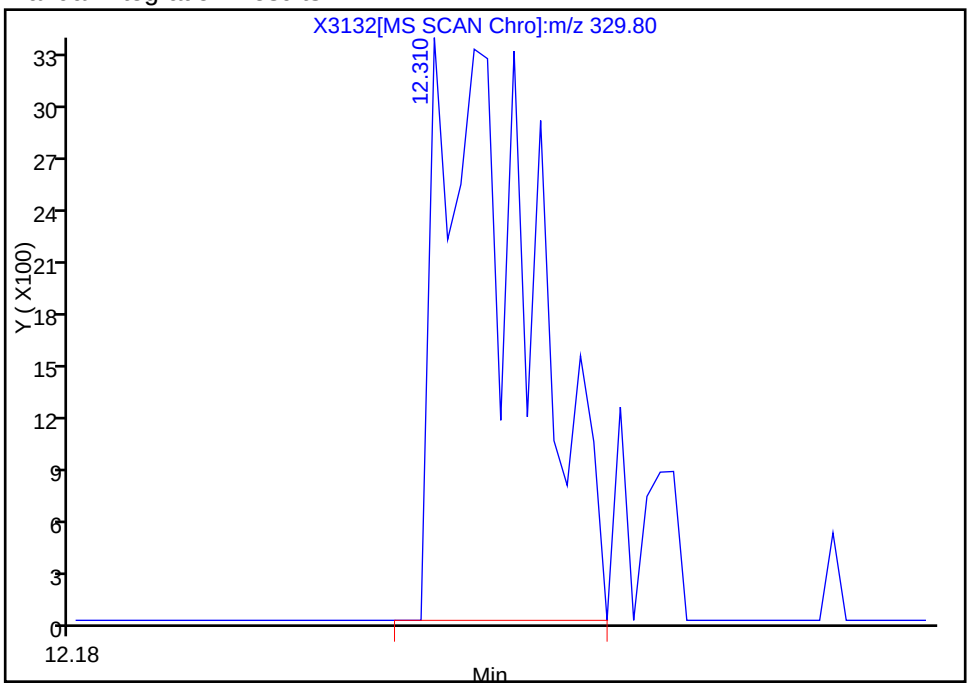
Processing Integration Results

Not Detected
Expected RT: 12.29



Manual Integration Results

RT: 12.31
Response: 7887
Amount: 0.470608



Reviewer: mckernar, 18-Dec-2012 13:05:38
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 18-Dec-2012 16:42:59 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

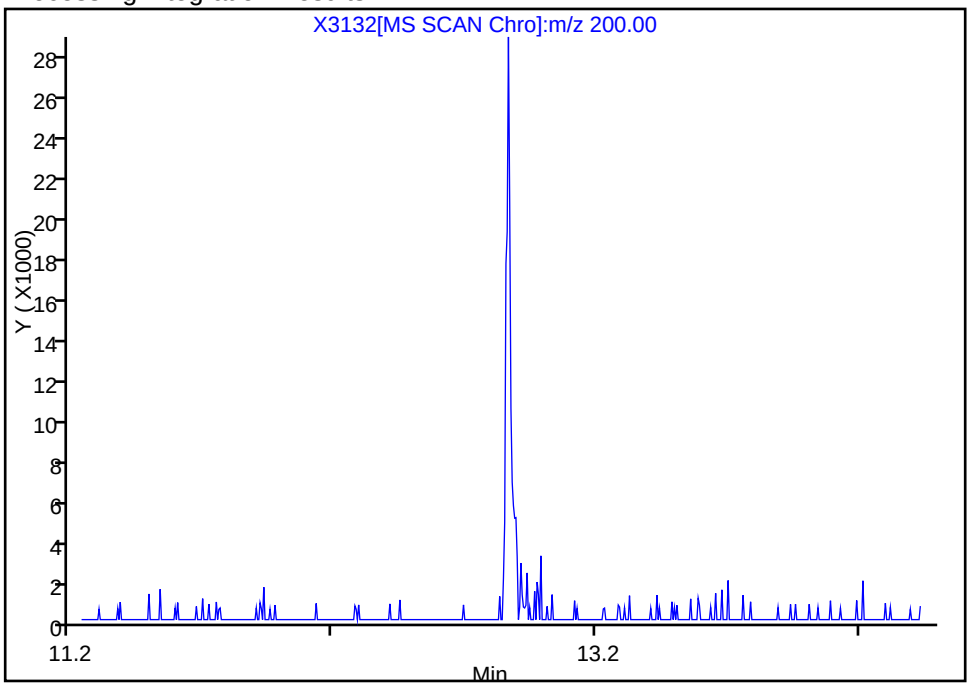
TestAmerica Buffalo

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

93 Atrazine, Signal: 1, m/z: 200.0 Type: quant, RT: 12.84

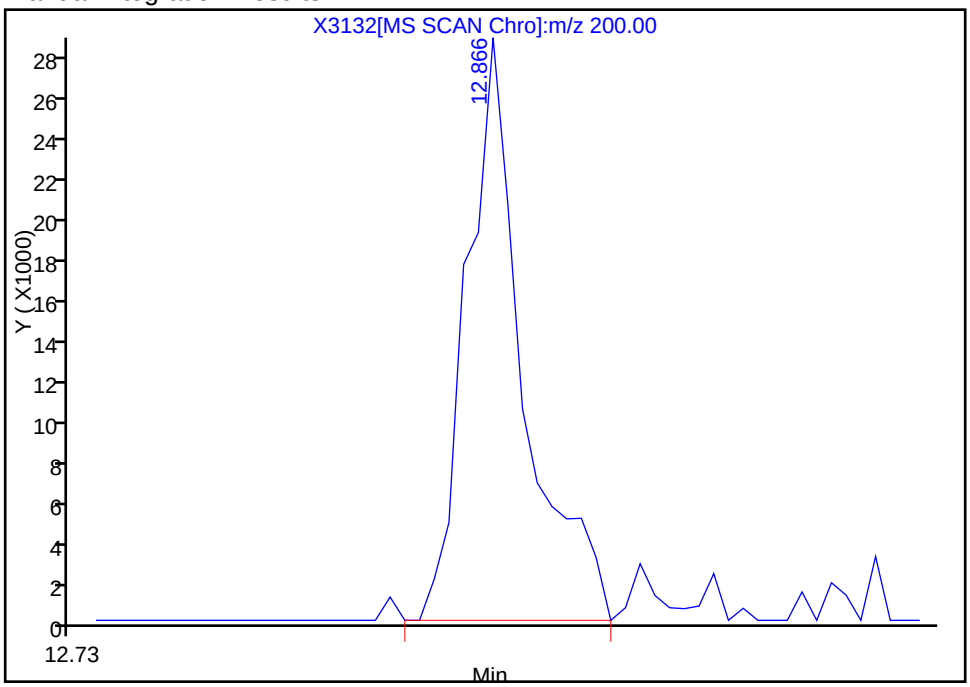
Processing Integration Results

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

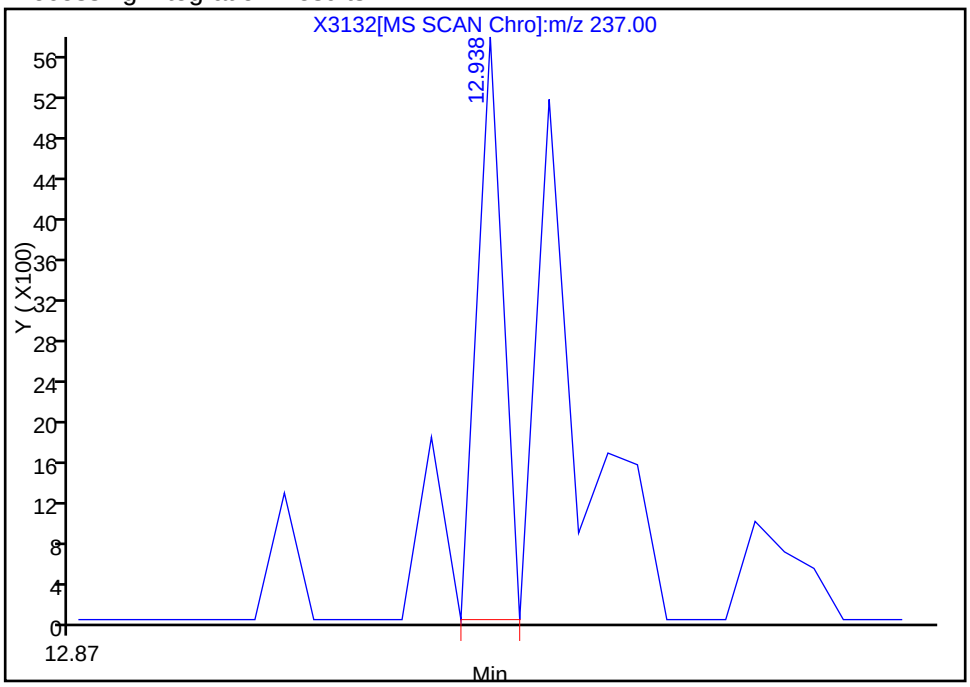
TestAmerica Buffalo

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

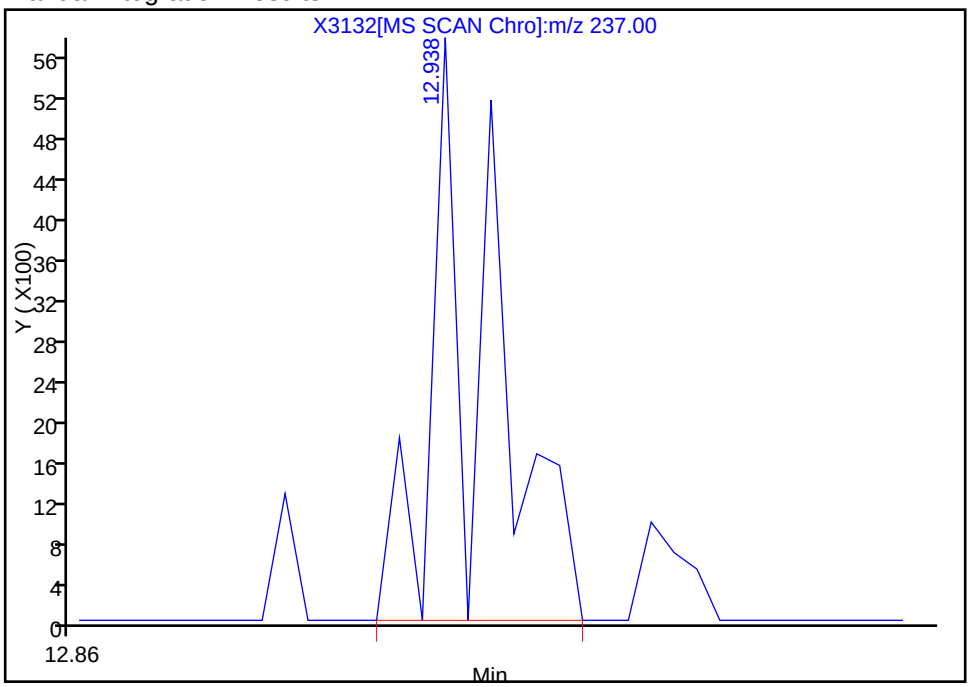
Processing Integration Results

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
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Report Date: 18-Dec-2012 16:43:00 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

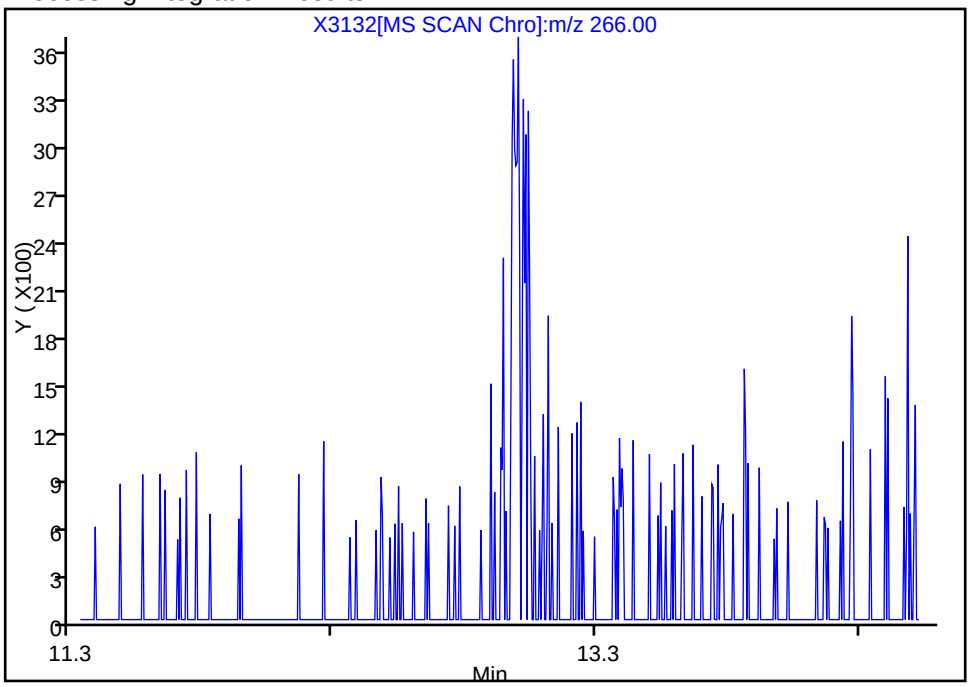
TestAmerica Buffalo

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

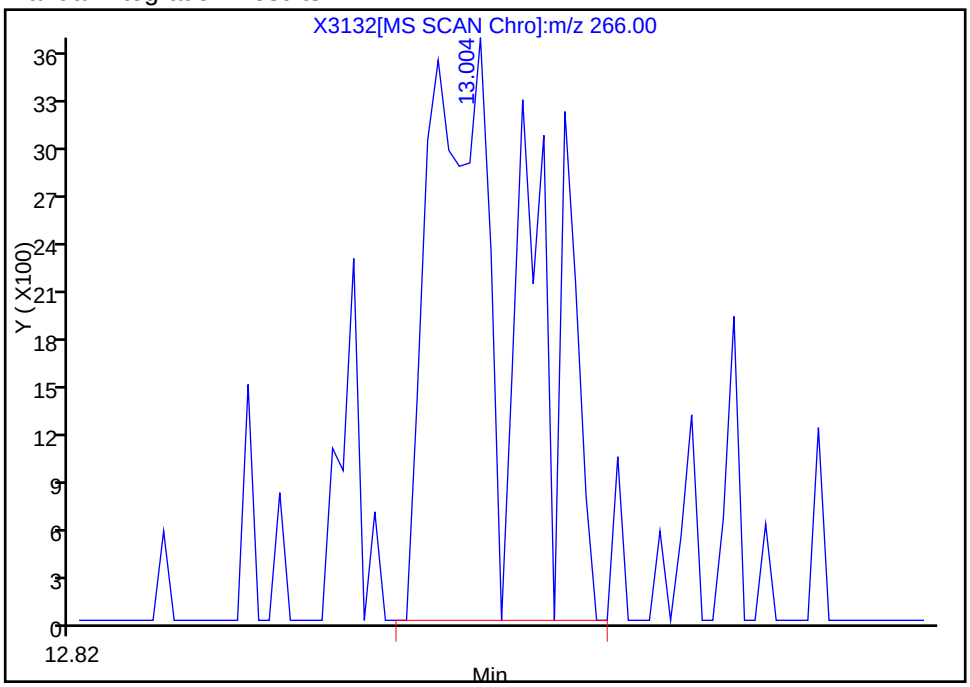
Processing Integration Results

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

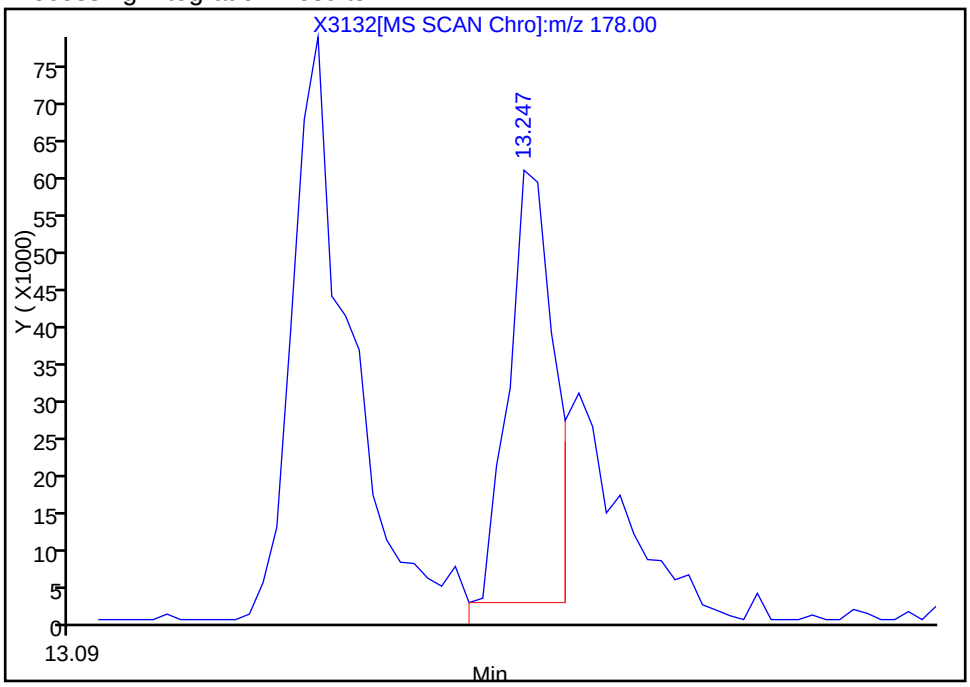
TestAmerica Buffalo

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

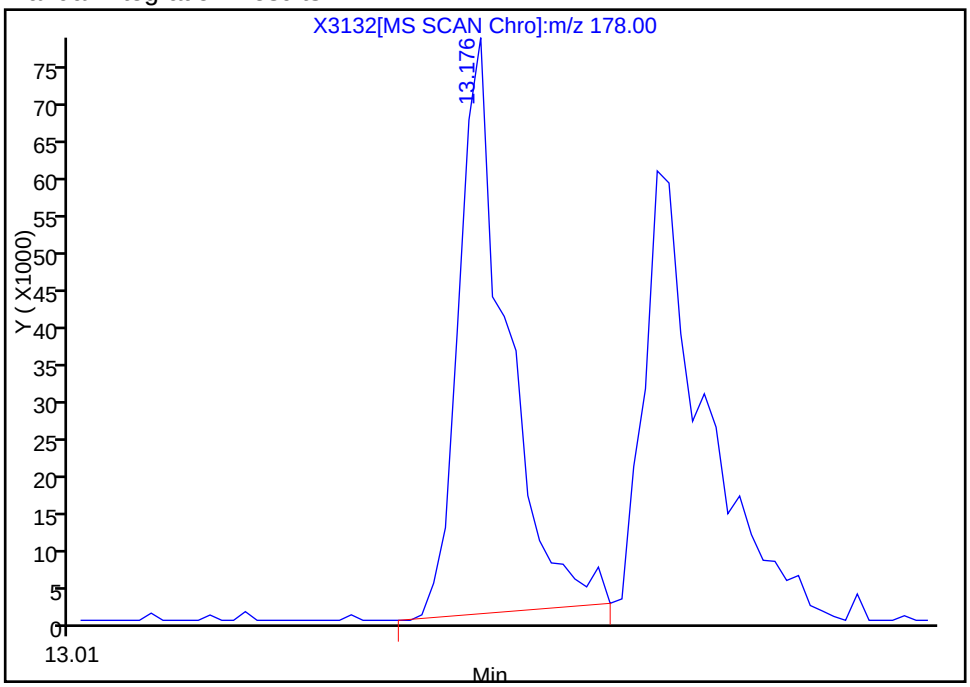
Processing Integration Results

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

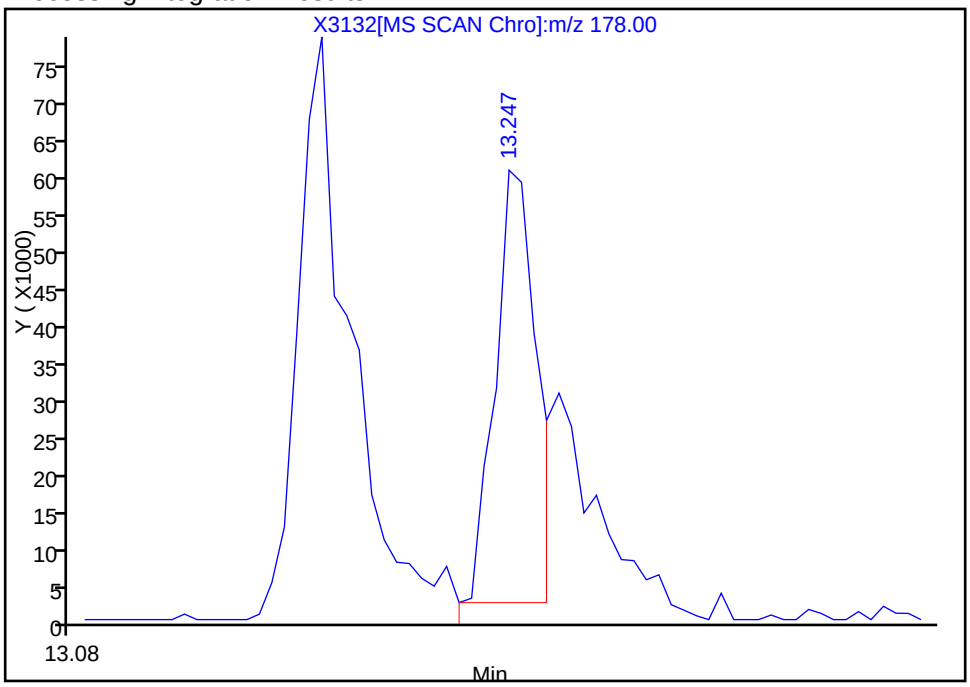
TestAmerica Buffalo

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

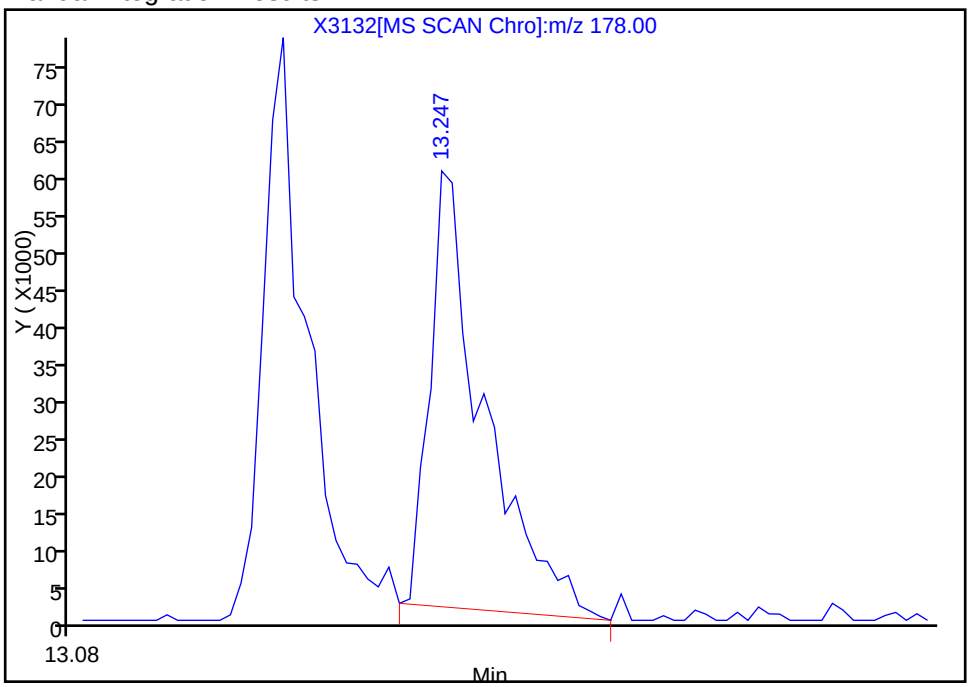
Processing Integration Results

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

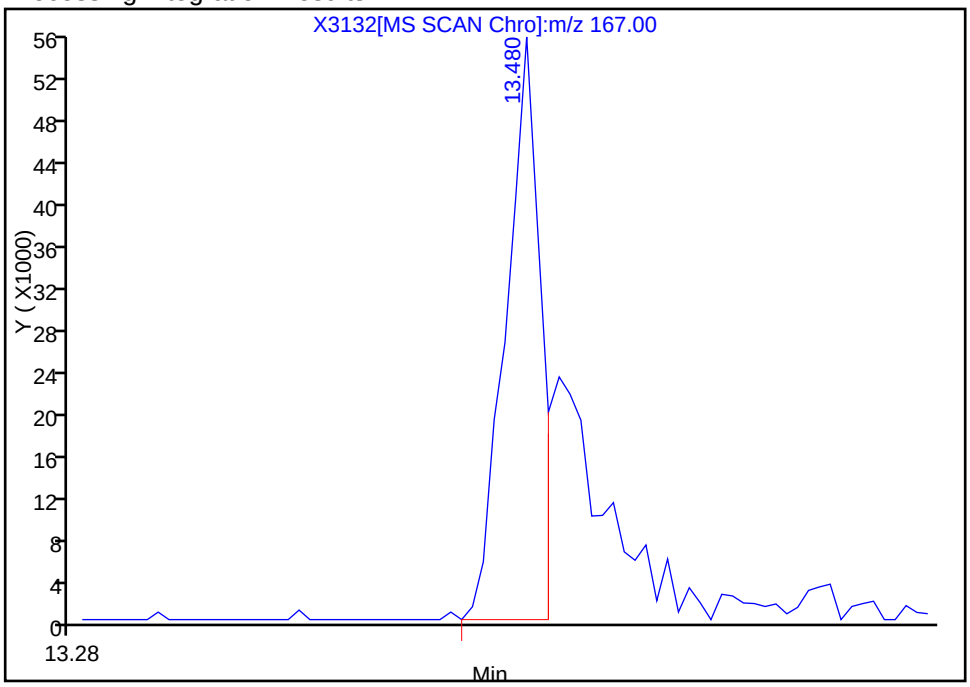
TestAmerica Buffalo

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

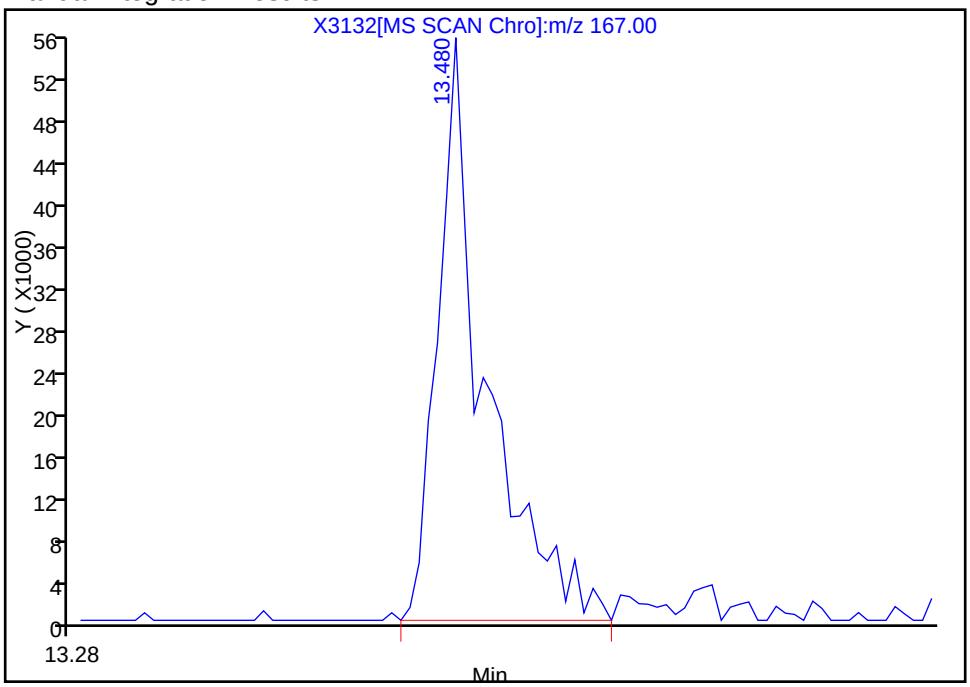
Processing Integration Results

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

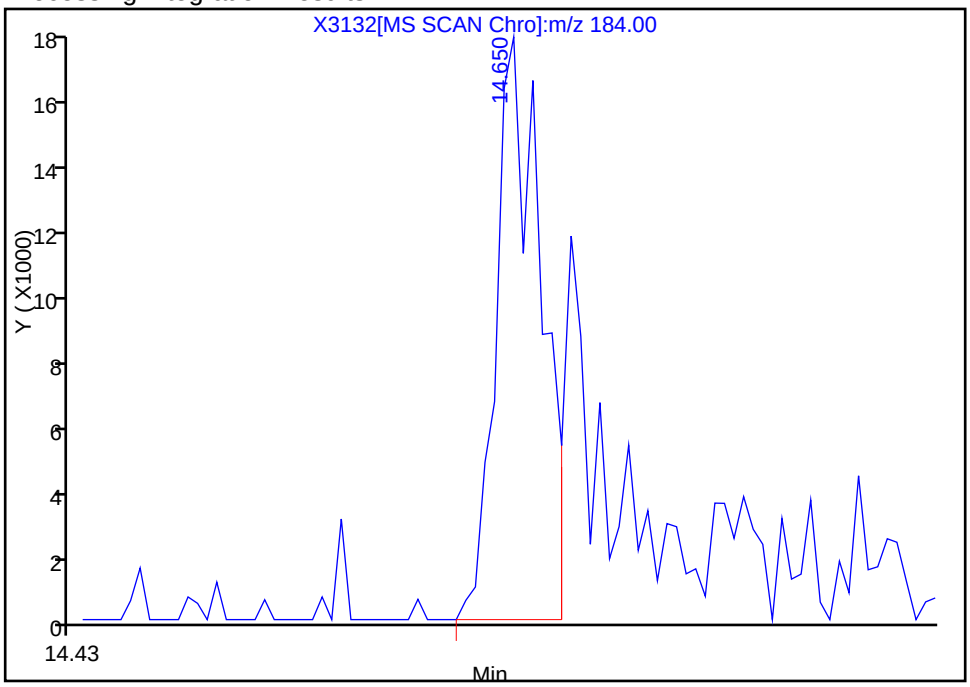
TestAmerica Buffalo

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

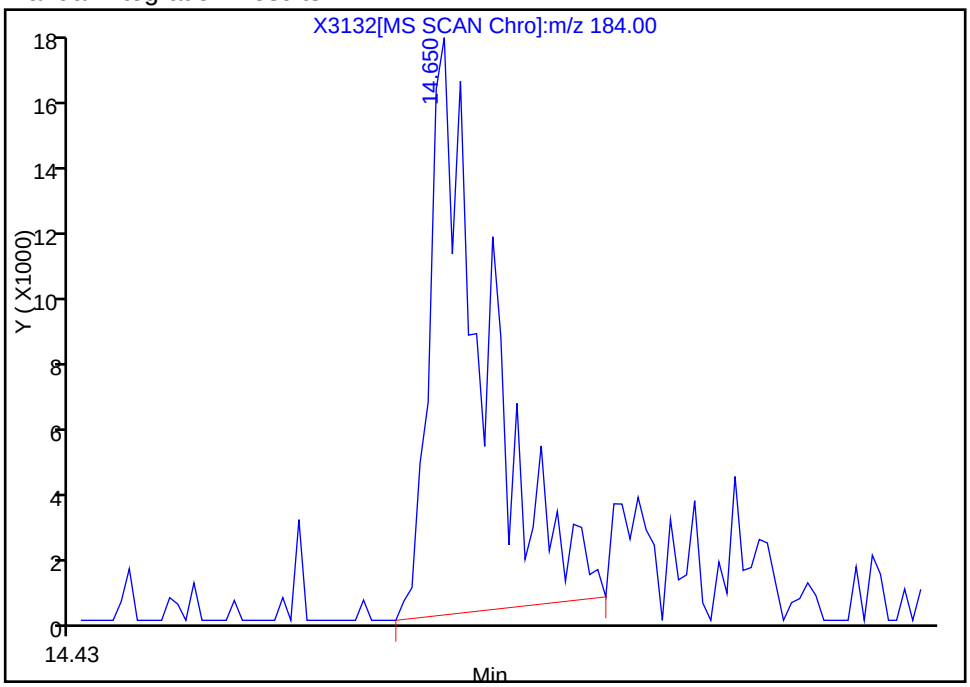
Processing Integration Results

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

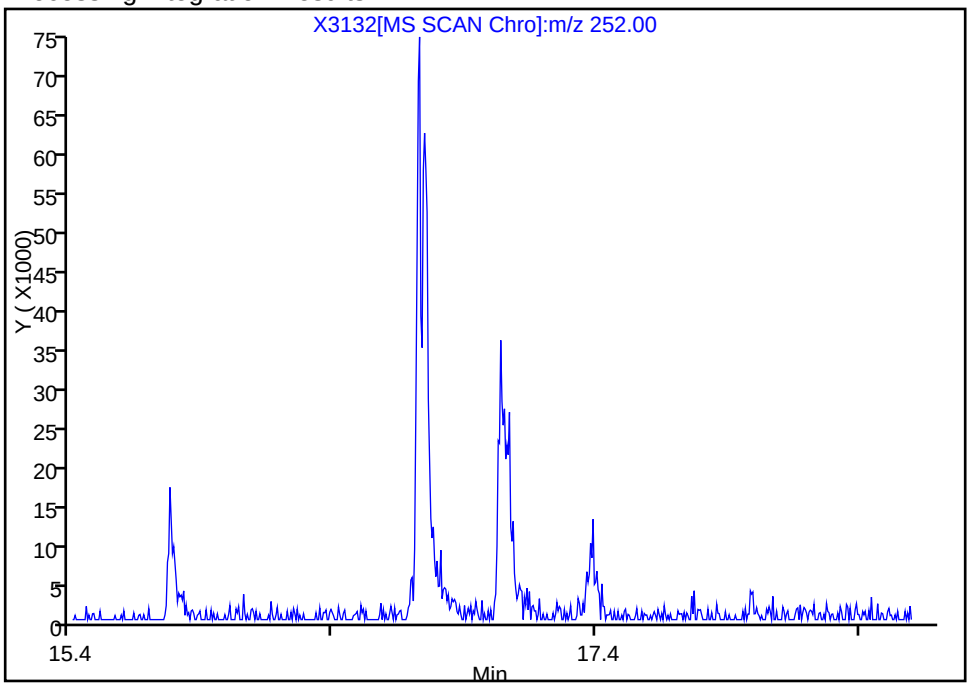
TestAmerica Buffalo

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

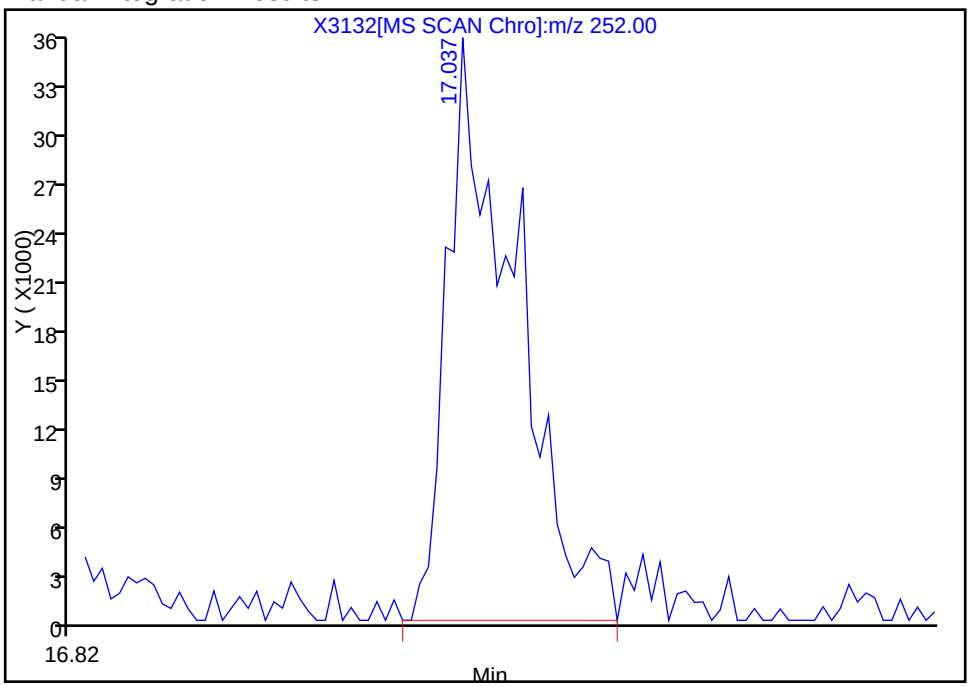
Processing Integration Results

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

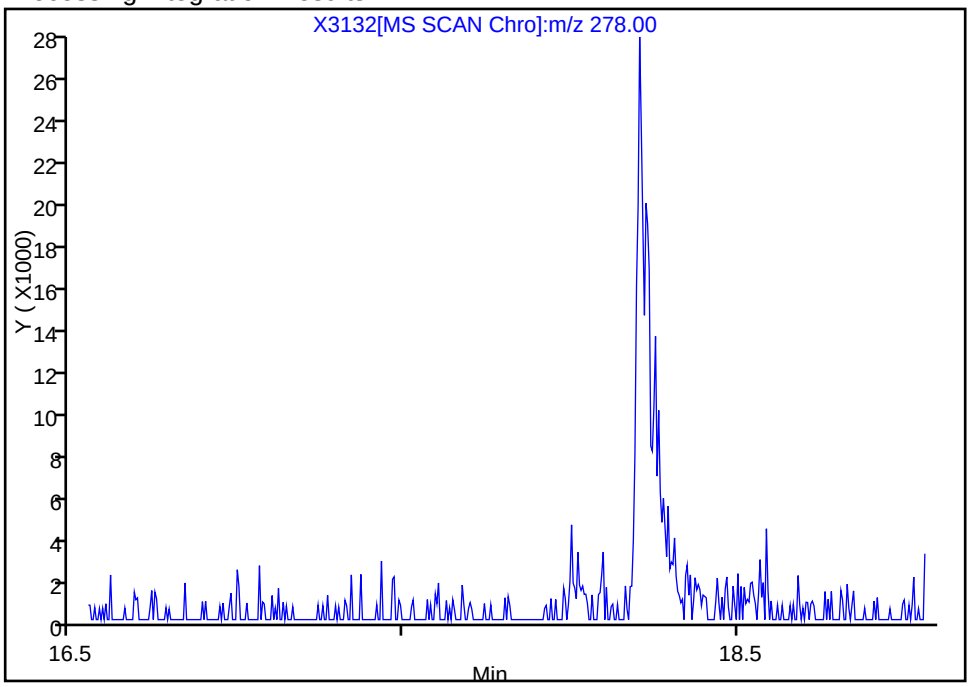
TestAmerica Buffalo

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

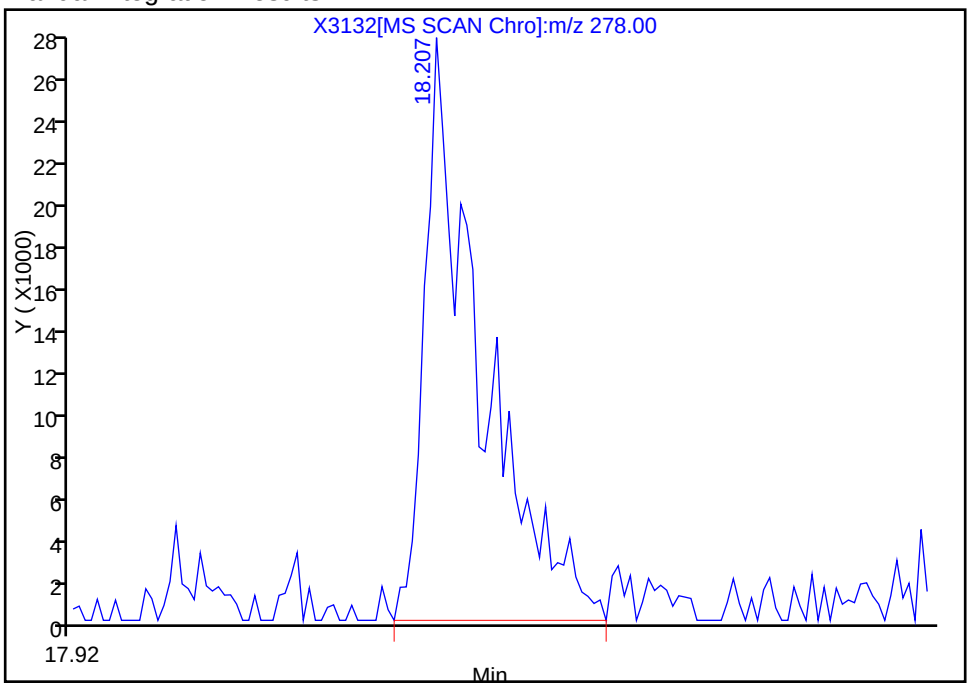
Processing Integration Results

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

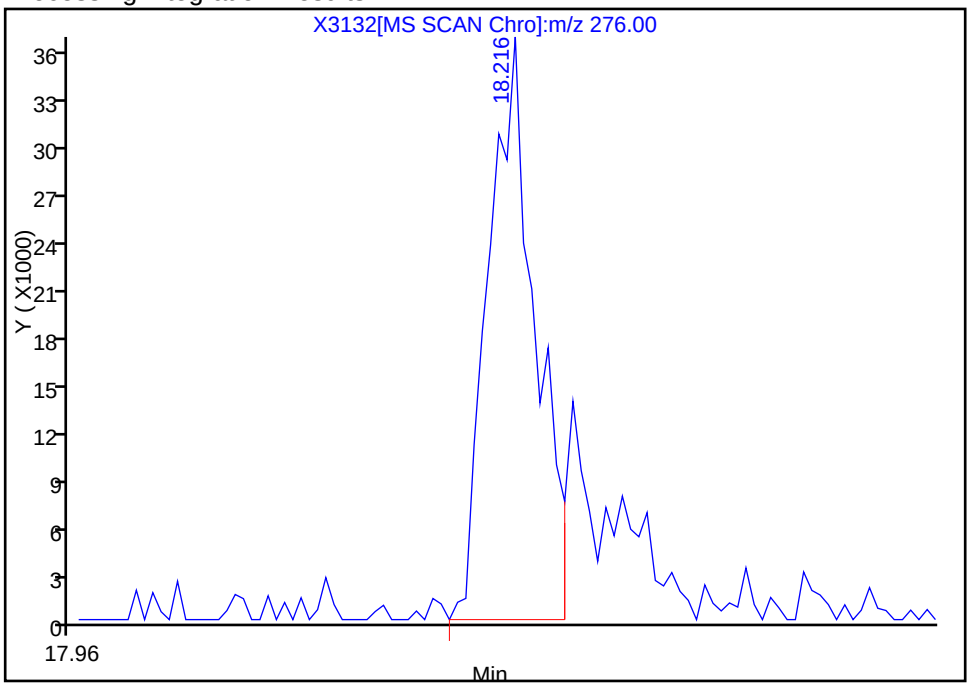
TestAmerica Buffalo

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

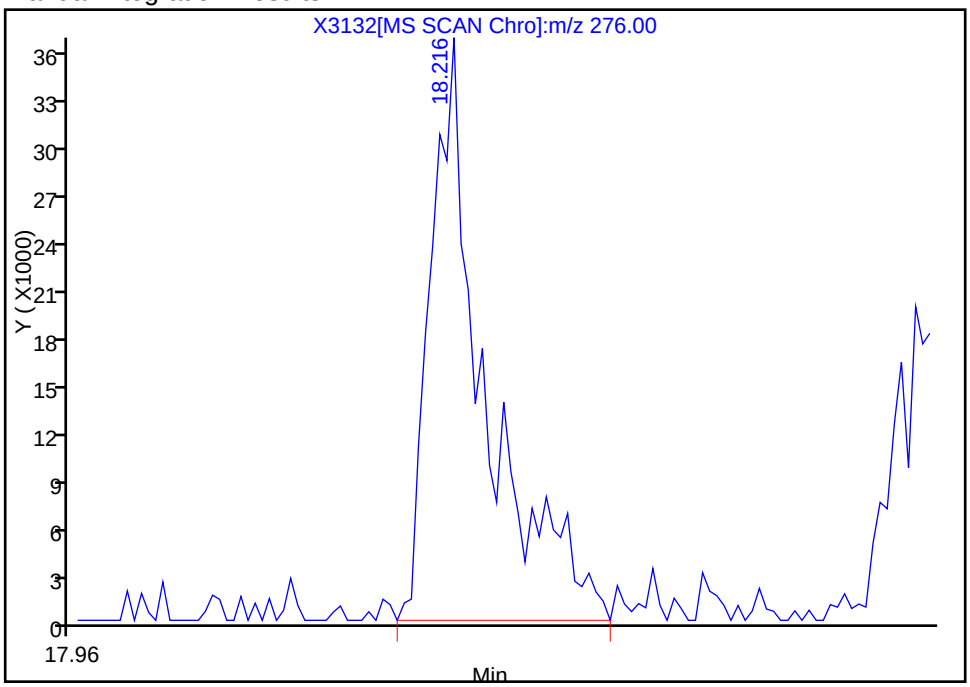
Processing Integration Results

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

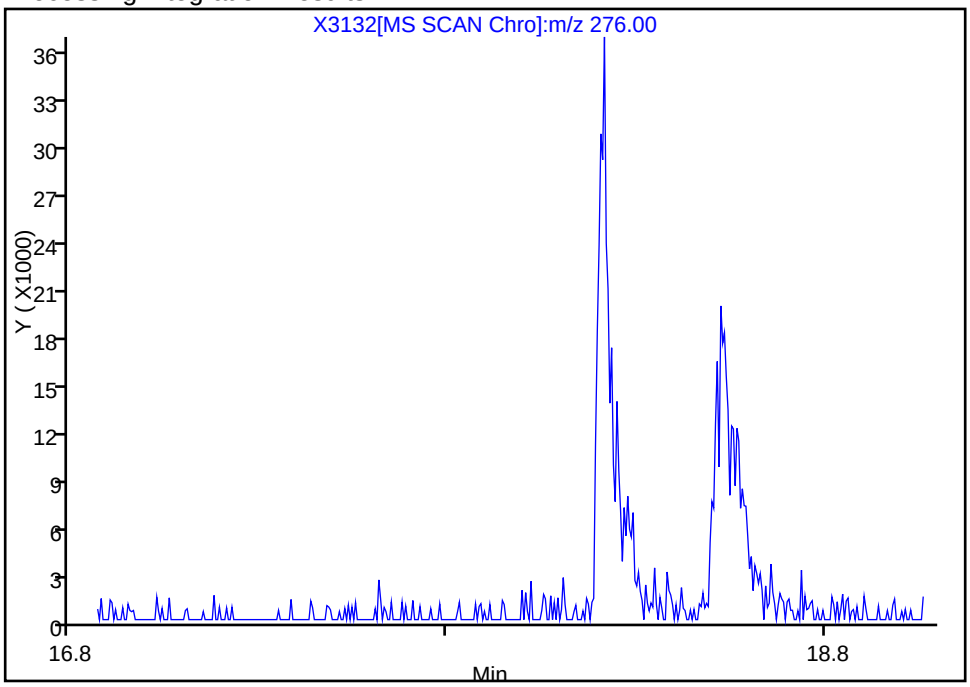
TestAmerica Buffalo

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

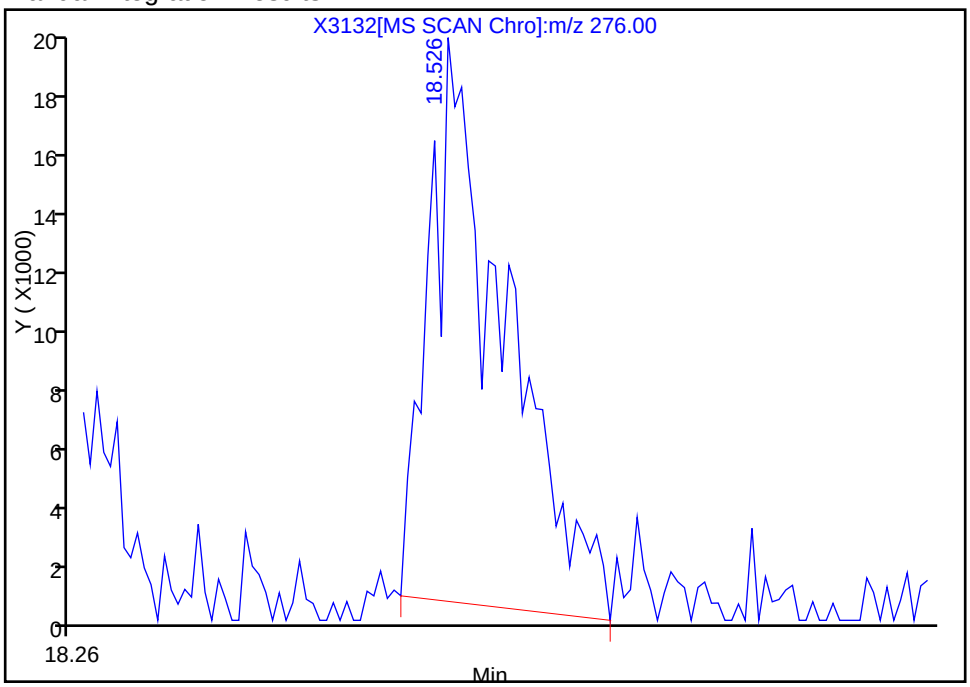
Processing Integration Results

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

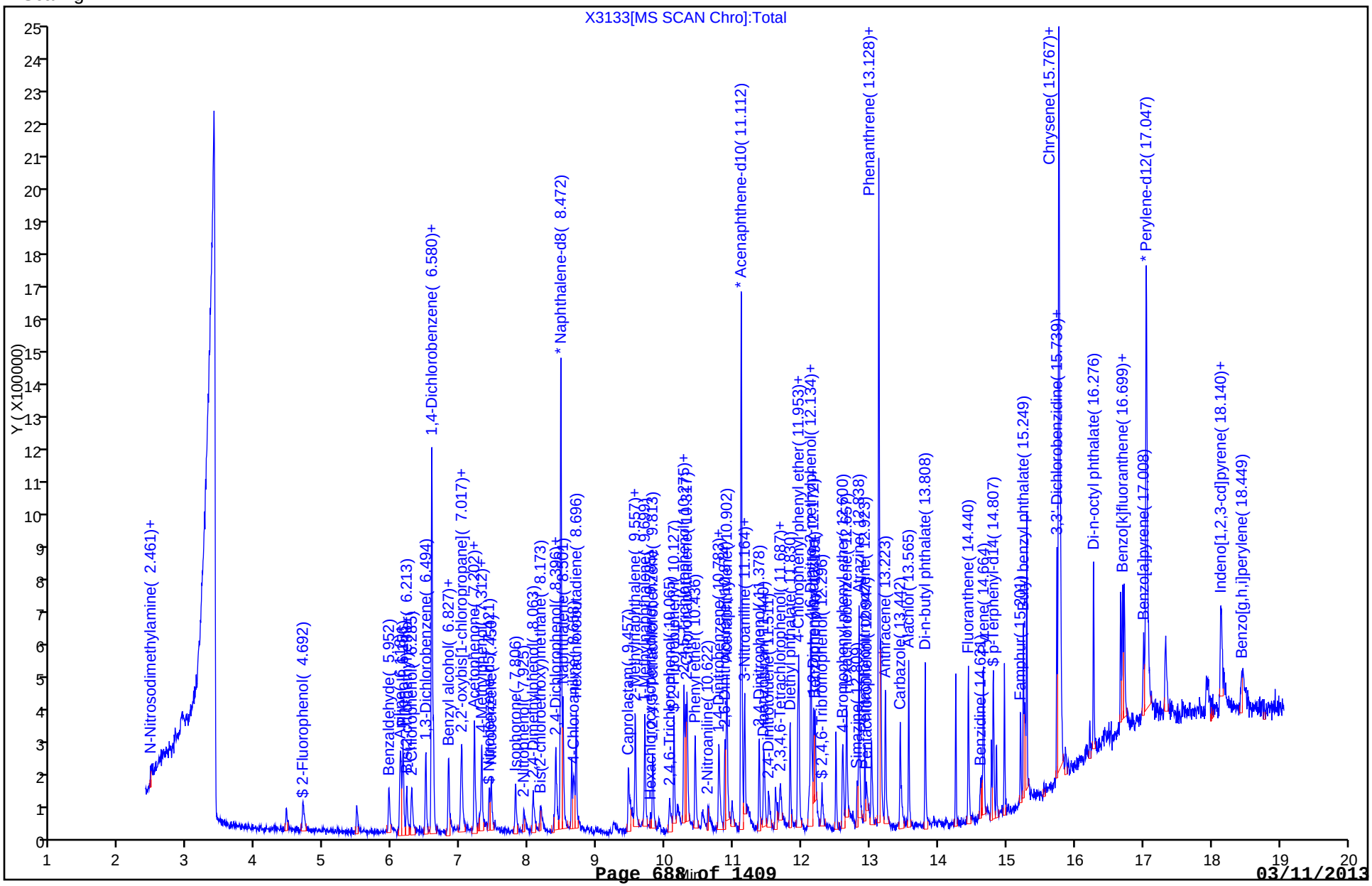
Review Flags
M - Manually Integrated

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

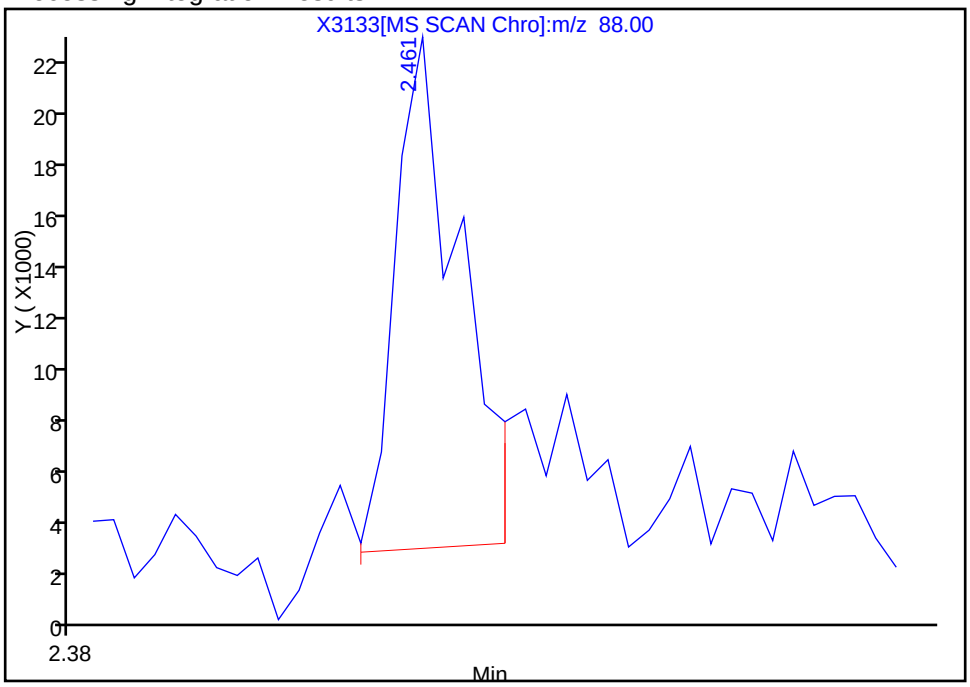
TestAmerica Buffalo

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

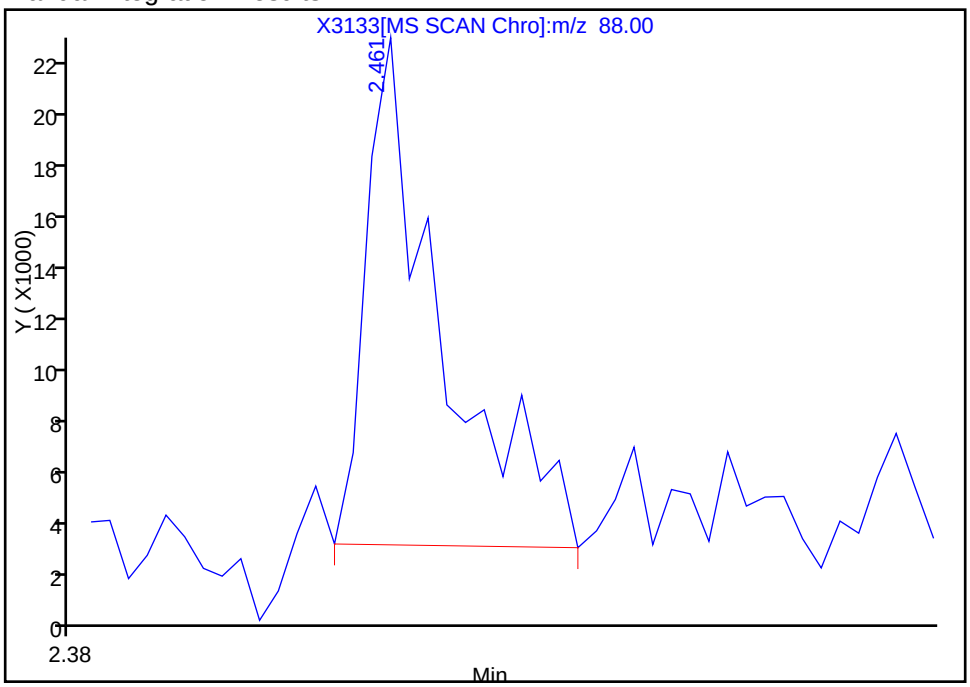
Processing Integration Results

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

Report Date: 18-Dec-2012 16:43:03 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

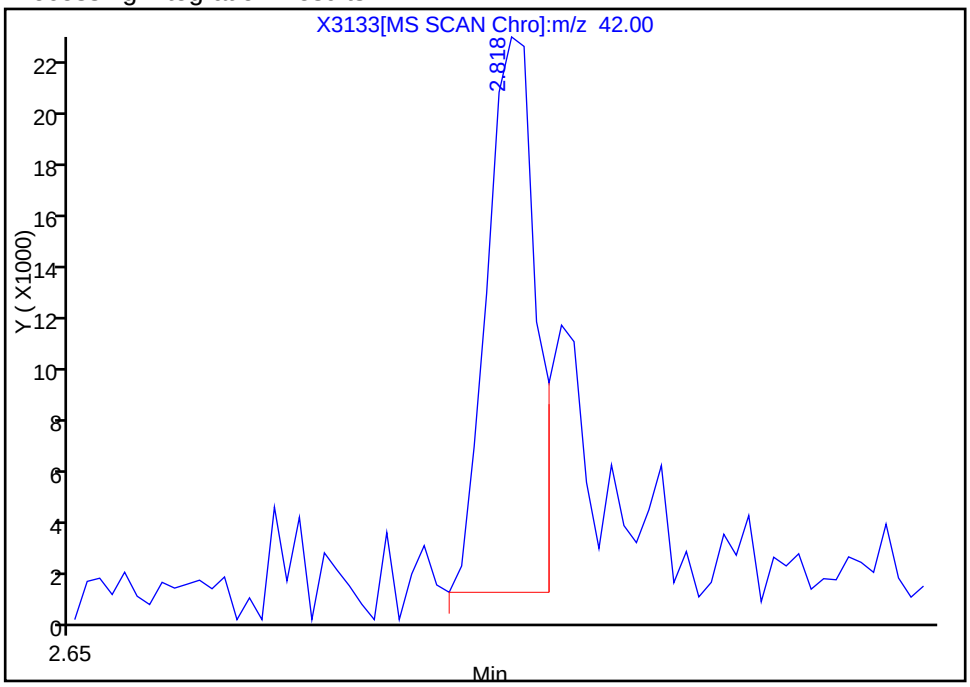
TestAmerica Buffalo

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

19 N-Nitrosodimethylamine, Signal: 1, m/z: 42.0 Type: quant, RT: 2.81

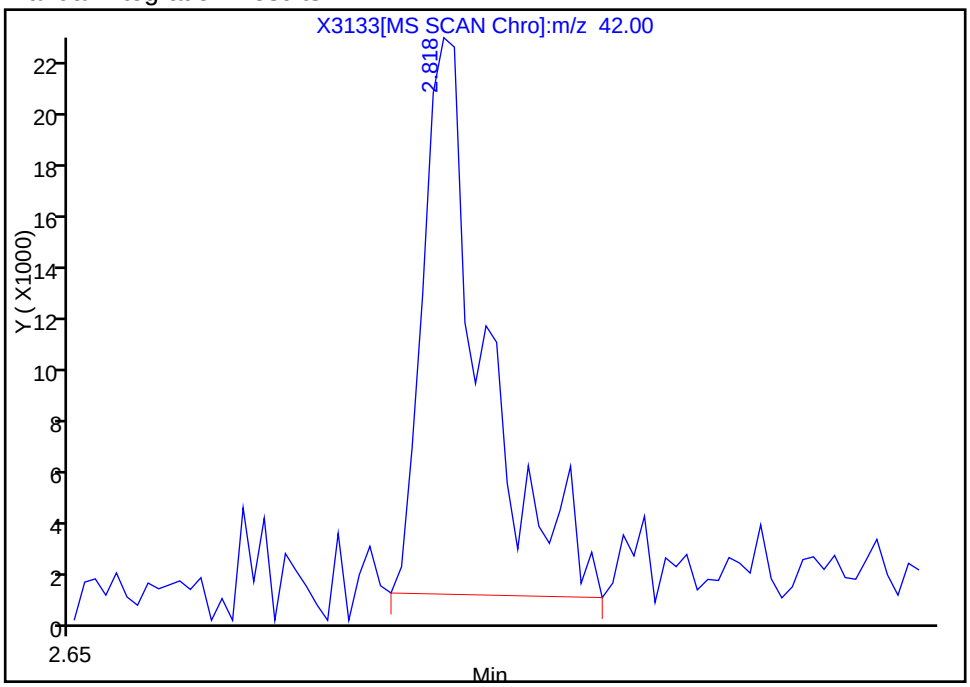
Processing Integration Results

RT: 2.82
Response: 28260
Amount: 0.763362



Manual Integration Results

RT: 2.82
Response: 41753
Amount: 0.970488



Reviewer: mckernar, 18-Dec-2012 13:05:29
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Report Date: 18-Dec-2012 16:43:03 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

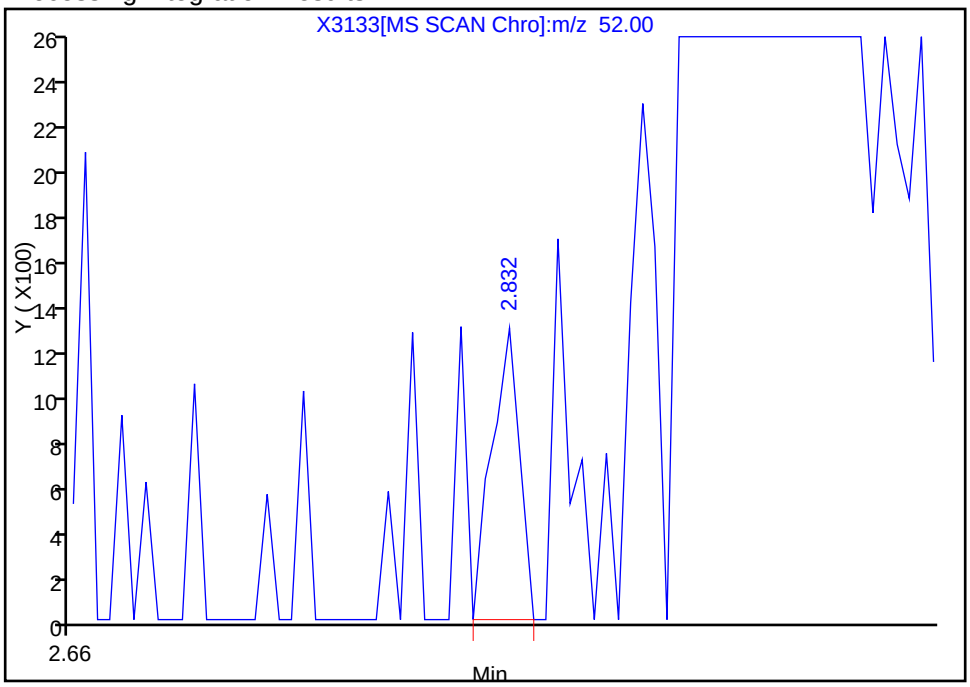
TestAmerica Buffalo

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

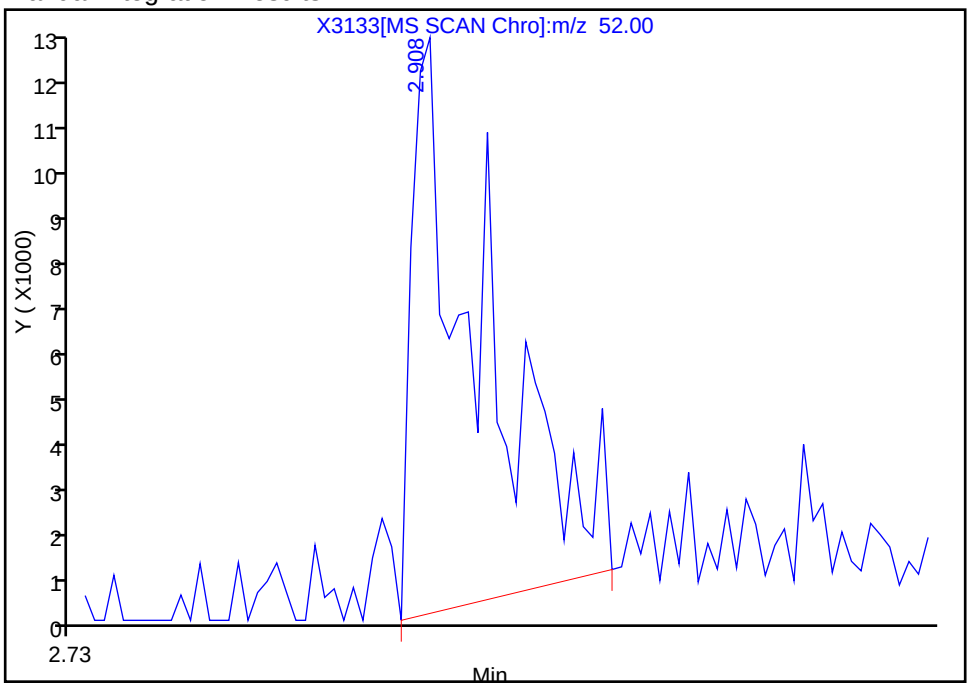
Processing Integration Results

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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Report Date: 18-Dec-2012 16:43:03 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

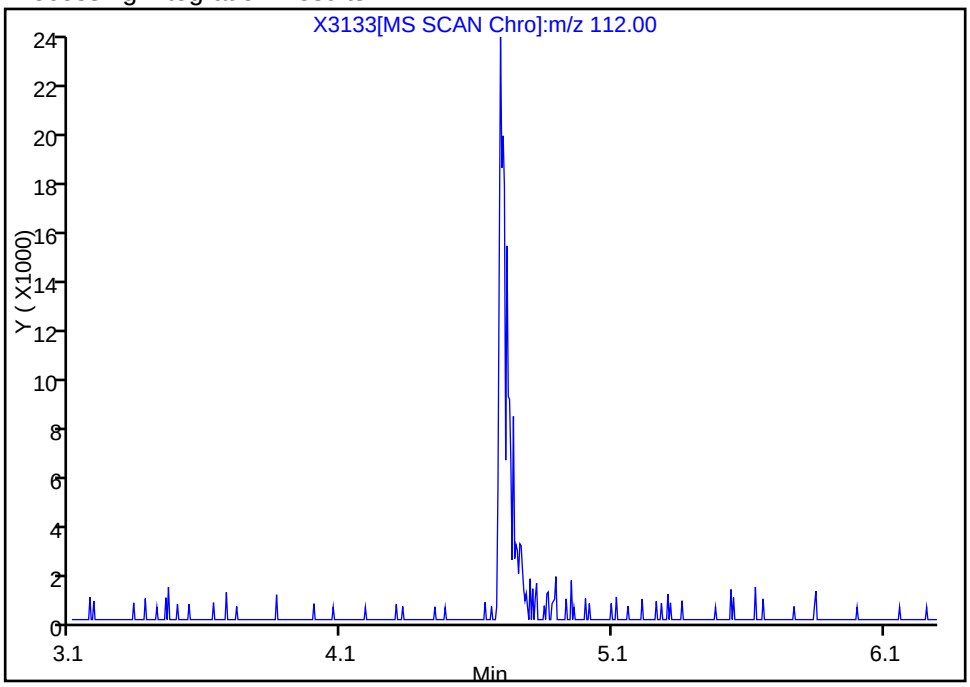
TestAmerica Buffalo

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

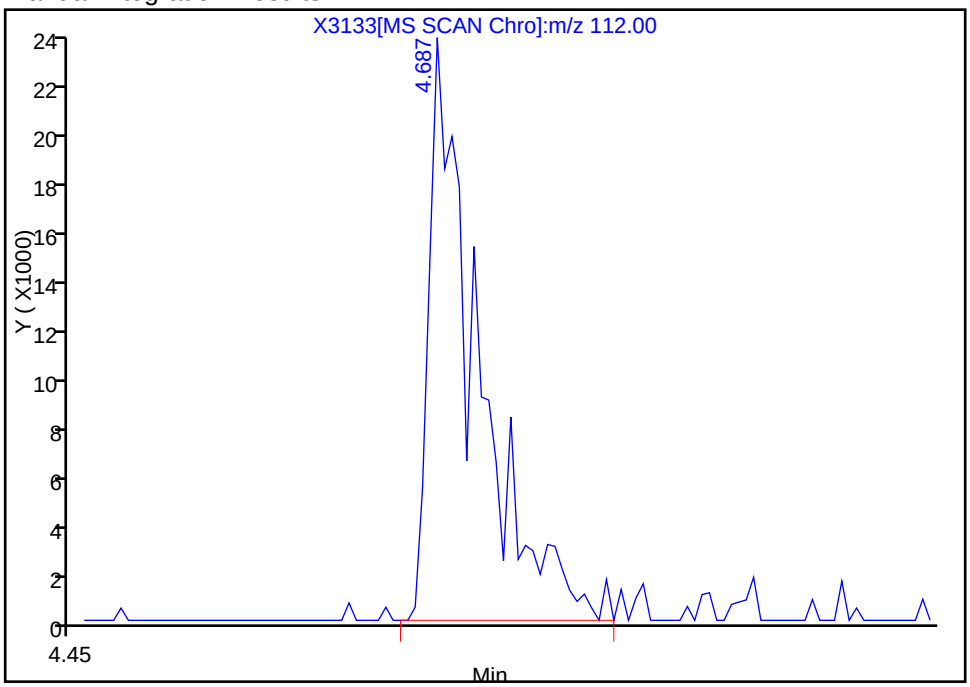
Processing Integration Results

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

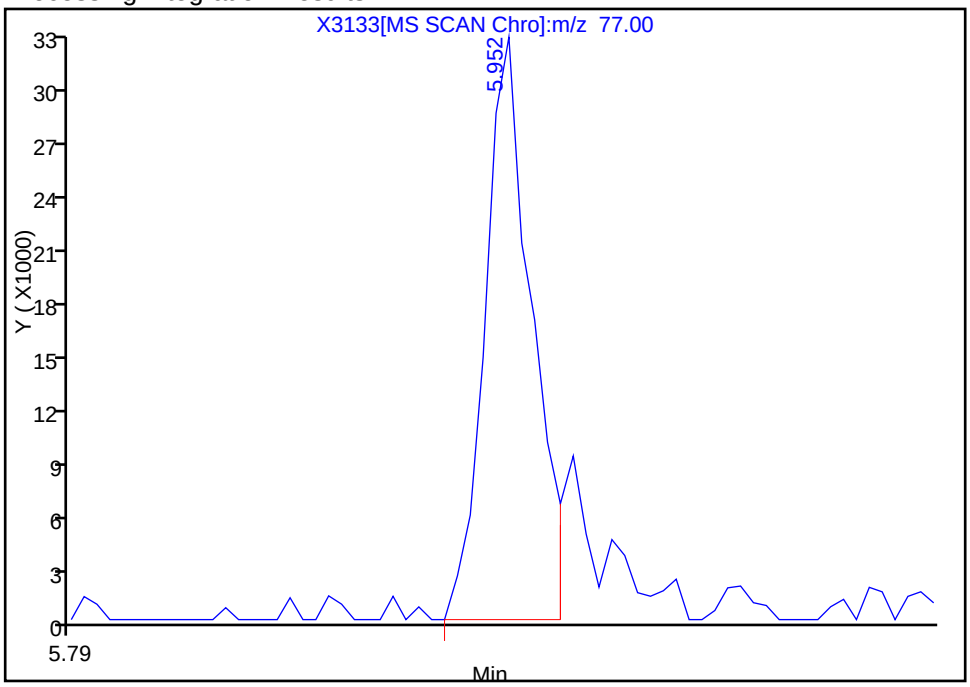
TestAmerica Buffalo

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

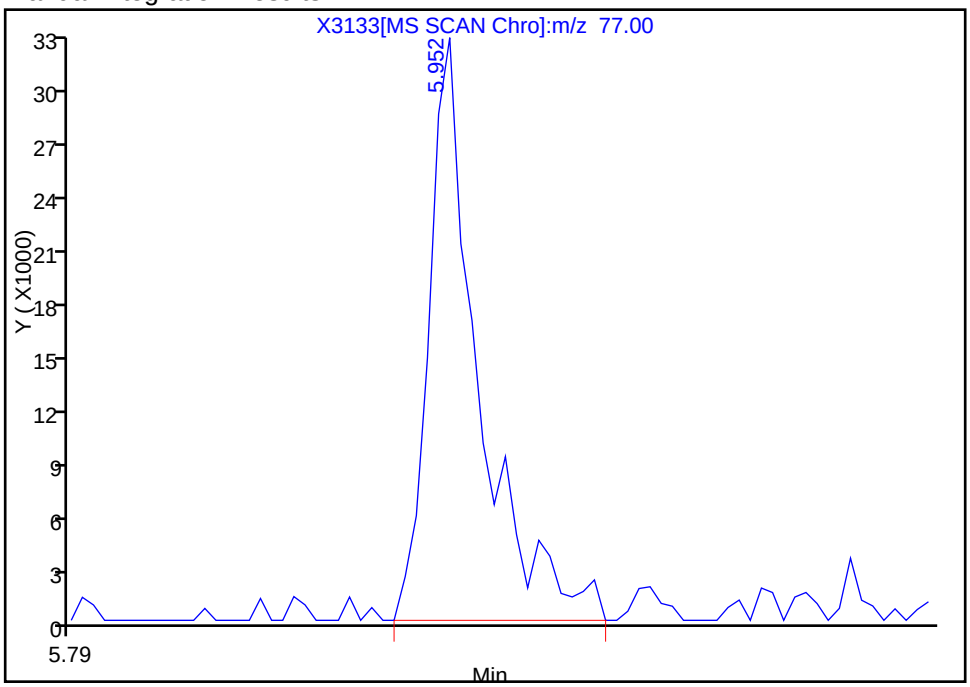
Processing Integration Results

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
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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

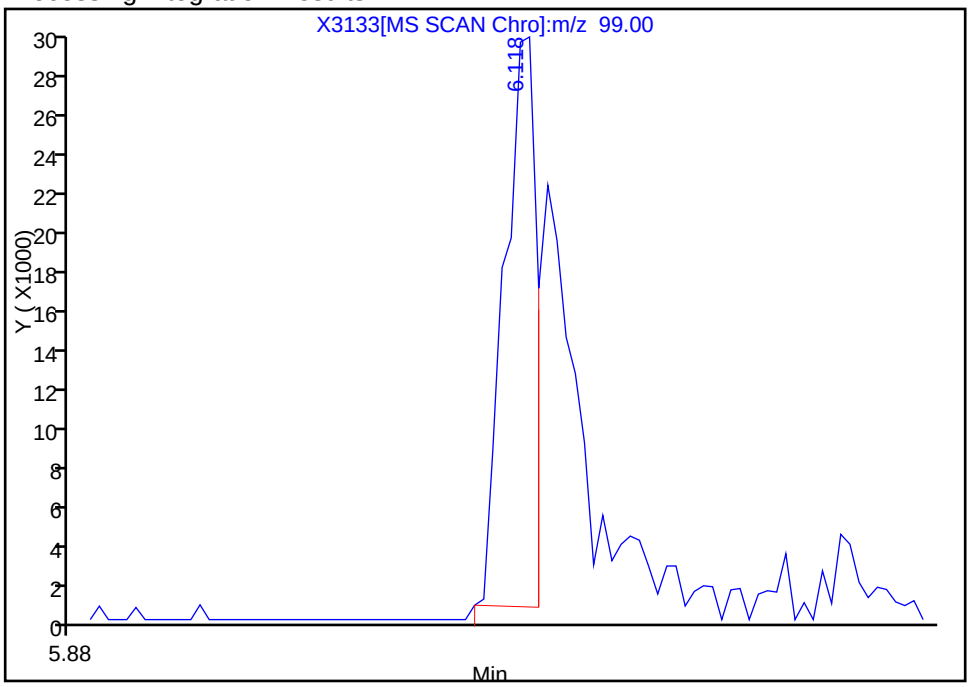
TestAmerica Buffalo

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

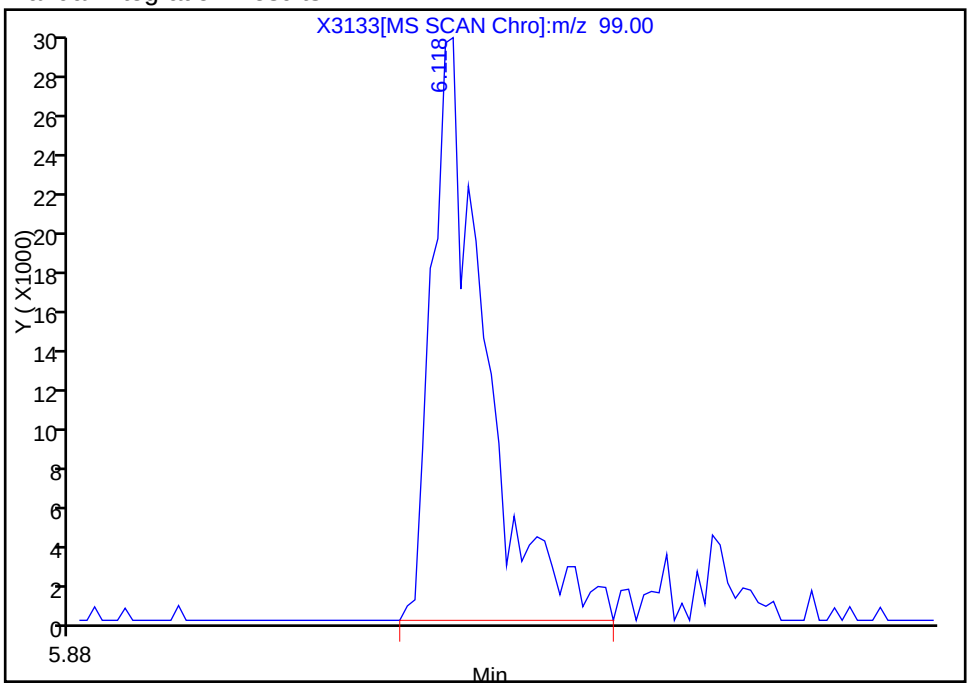
Processing Integration Results

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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Manual Integration/User Assign Peak Report

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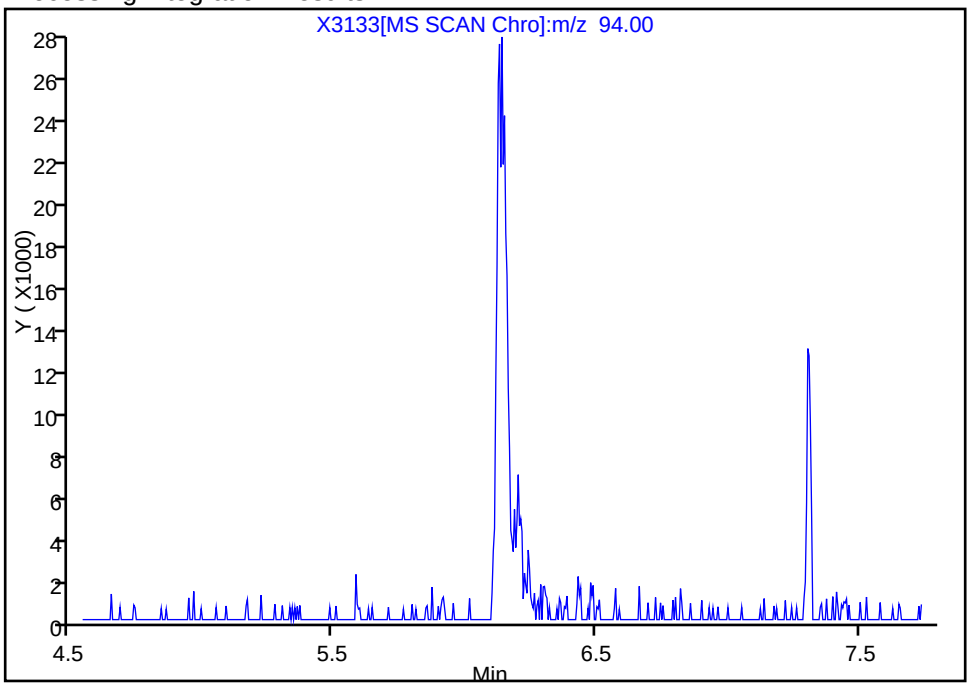
Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3133.D		
Injection Date:	18-Dec-2012 12:11:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	4
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

22 Phenol, Signal: 1, m/z: 94.0 Type: quant, RT: 6.14

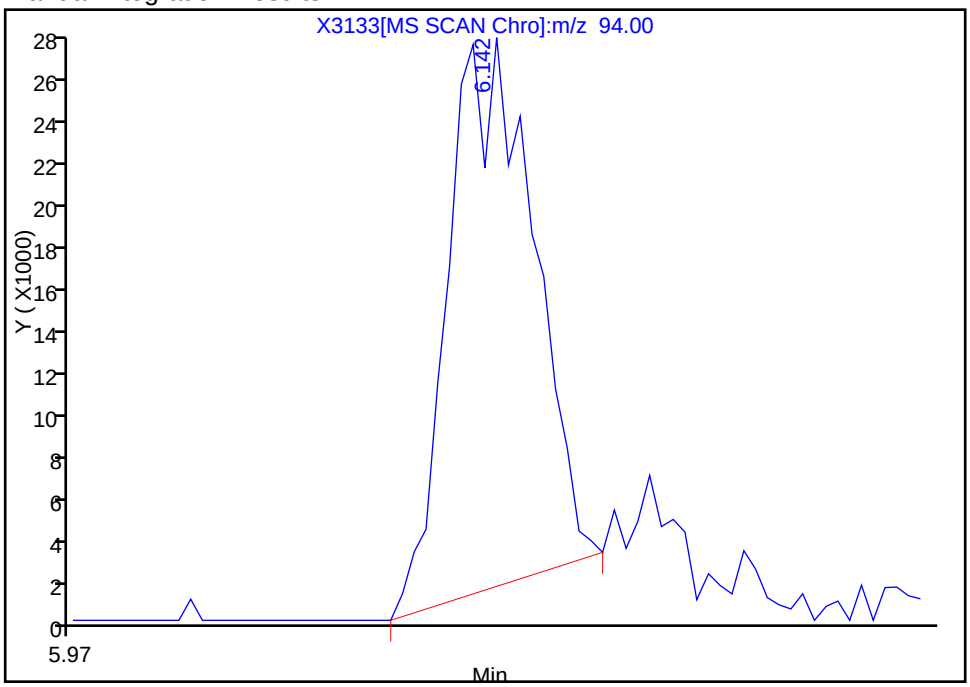
Processing Integration Results

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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Manual Integration/User Assign Peak Report

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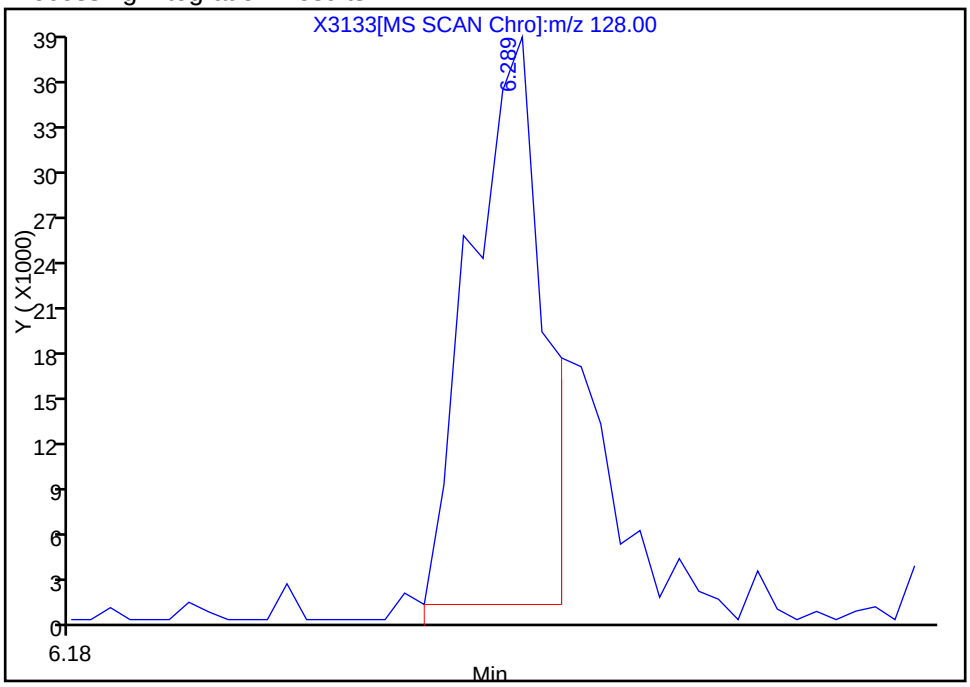
Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3133.D		
Injection Date:	18-Dec-2012 12:11:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	4
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

25 2-Chlorophenol, Signal: 1, m/z: 128.0 Type: quant, RT: 6.29

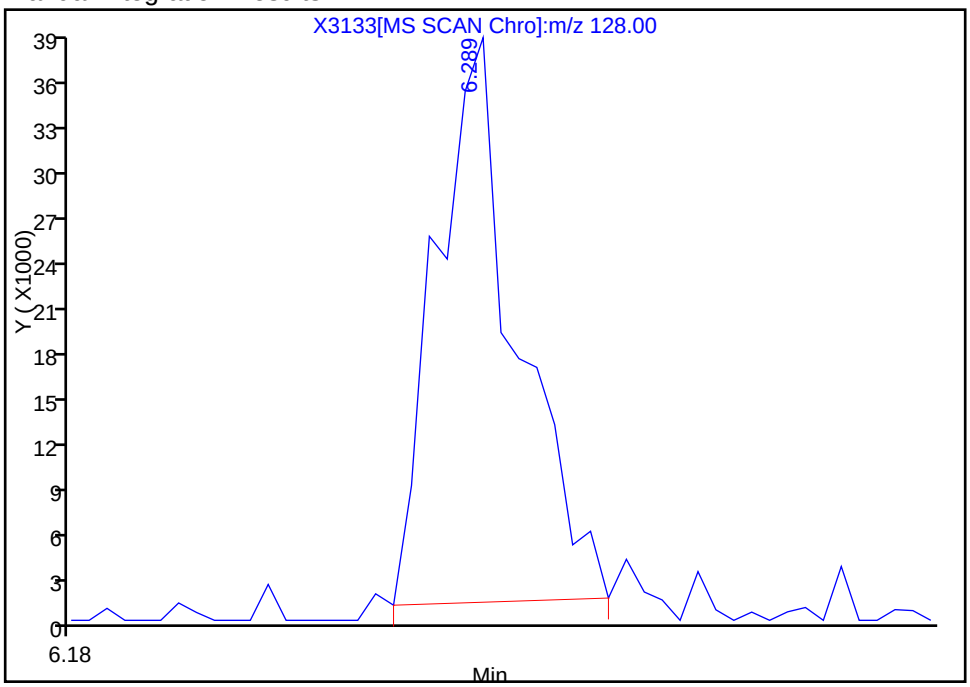
Processing Integration Results

RT: 6.29
Response: 46241
Amount: 0.974687



Manual Integration Results

RT: 6.29
Response: 55968
Amount: 0.917797



Reviewer: mckernar, 18-Dec-2012 13:05:29
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Audit Reason: Assign Peak

Report Date: 18-Dec-2012 16:43:03 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

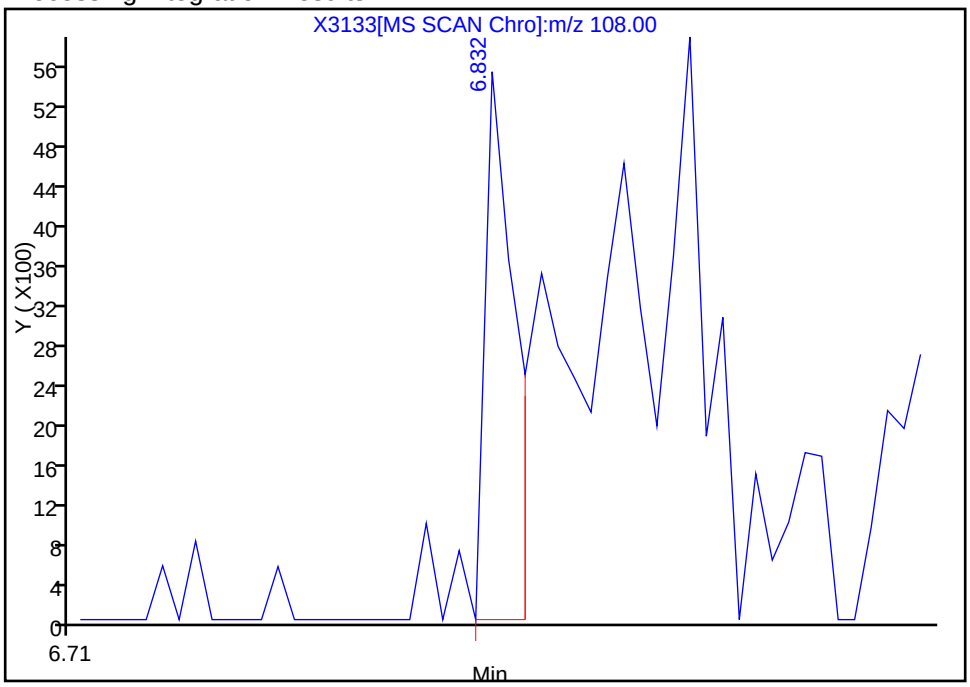
TestAmerica Buffalo

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

28 Benzyl alcohol, Signal: 1, m/z: 108.0 Type: quant, RT: 6.85

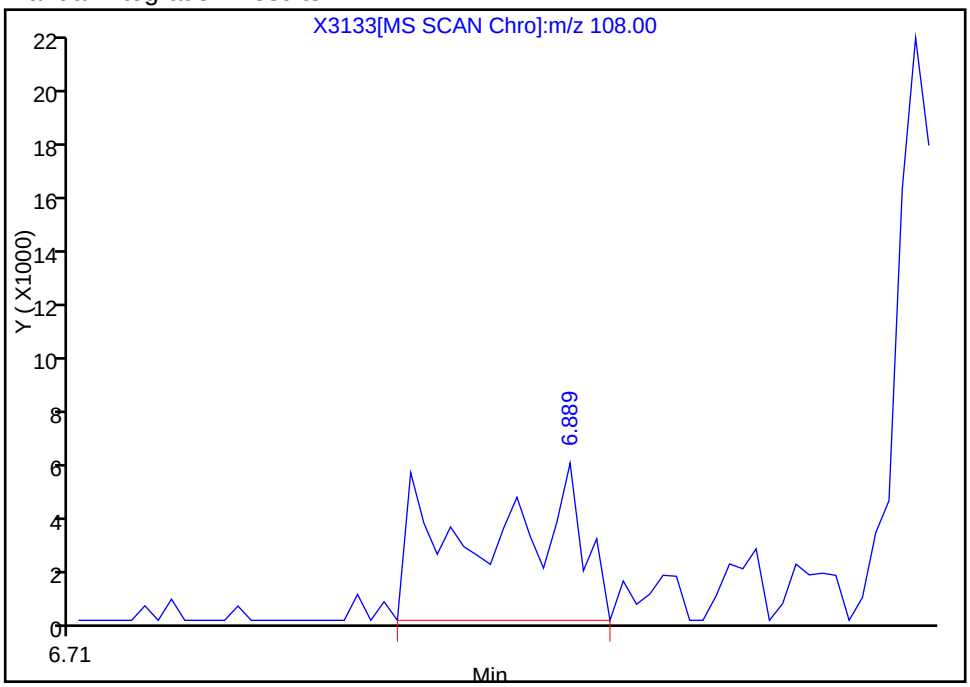
Processing Integration Results

RT: 6.83
Response: 3277
Amount: 1.313336



Manual Integration Results

RT: 6.89
Response: 14091
Amount: 0.795845



Reviewer: mckernar, 18-Dec-2012 13:05:29
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 18-Dec-2012 16:43:03 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

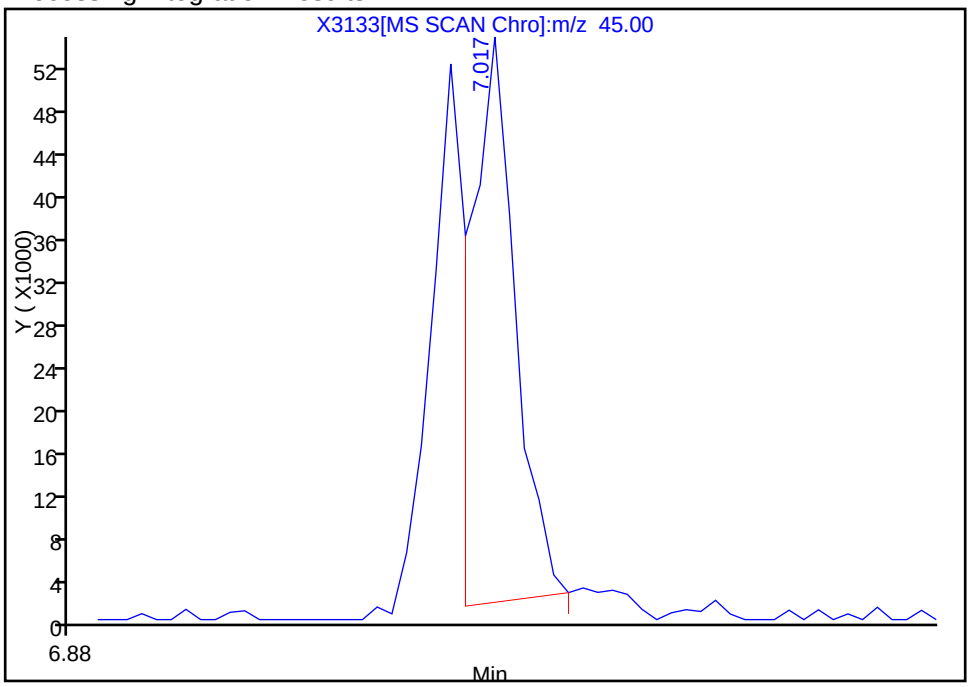
TestAmerica Buffalo

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

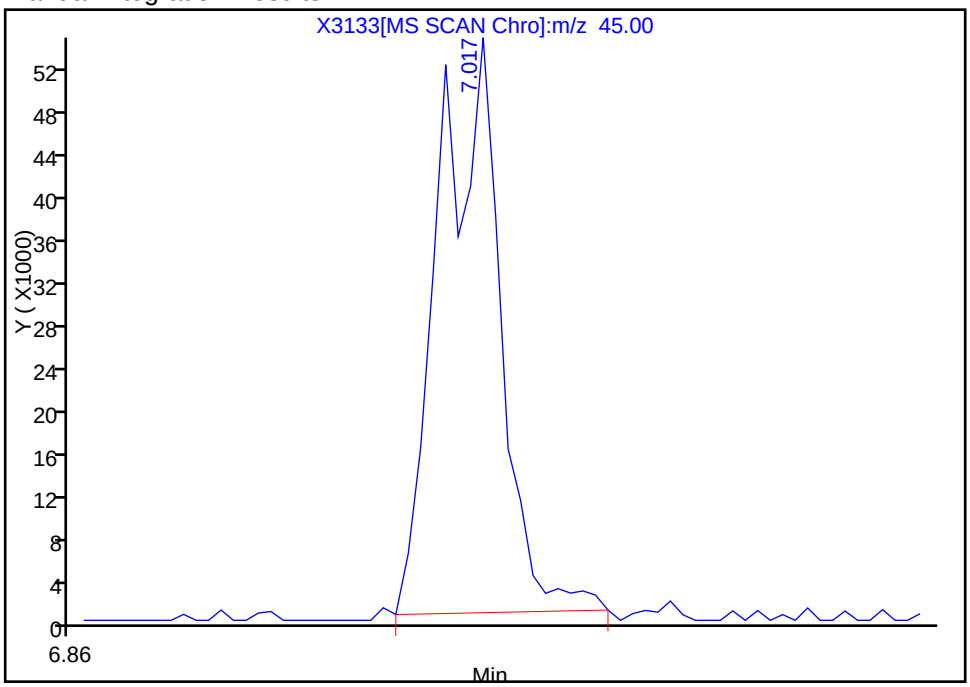
Processing Integration Results

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
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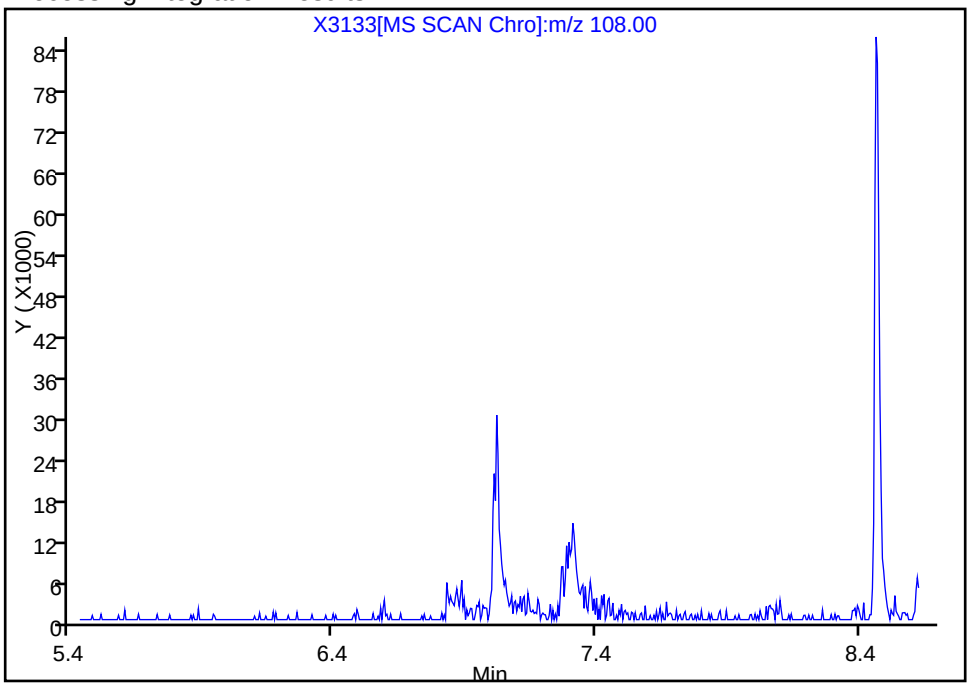
TestAmerica Buffalo

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

31 2-Methylphenol, Signal: 1, m/z: 108.0 Type: quant, RT: 7.03

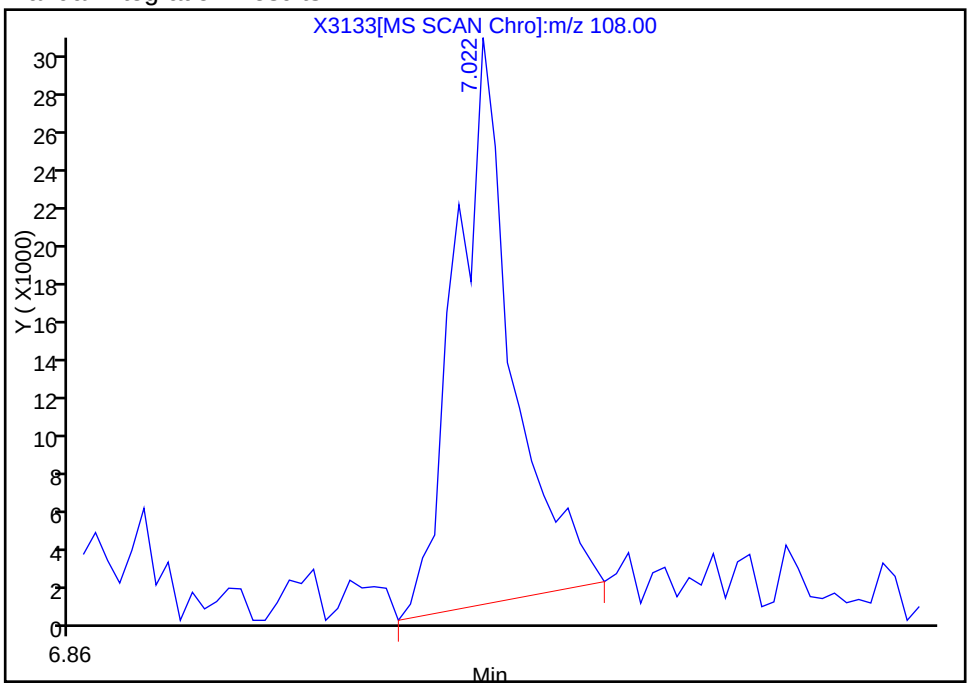
Processing Integration Results

Not Detected
Expected RT: 7.03



Manual Integration Results

RT: 7.02
Response: 45407
Amount: 0.887078



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Manual Integration/User Assign Peak Report

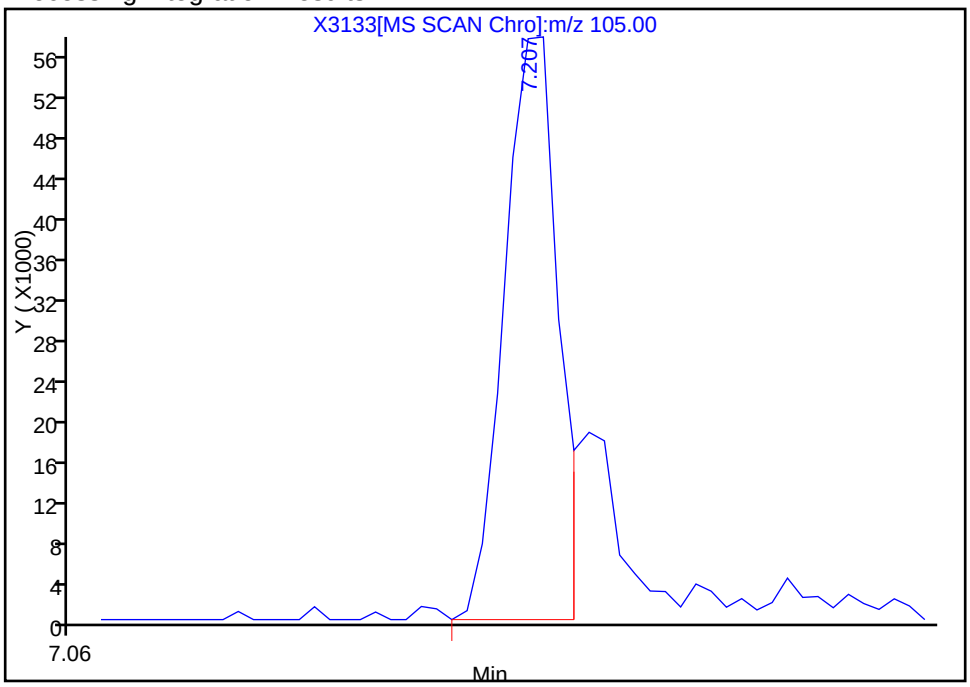
TestAmerica Buffalo

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

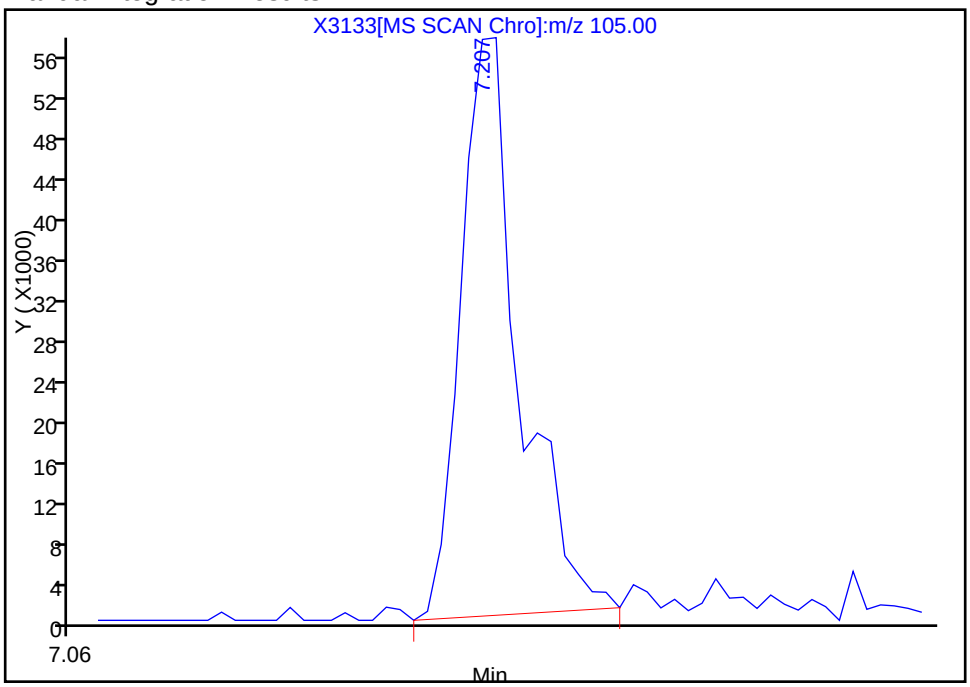
Processing Integration Results

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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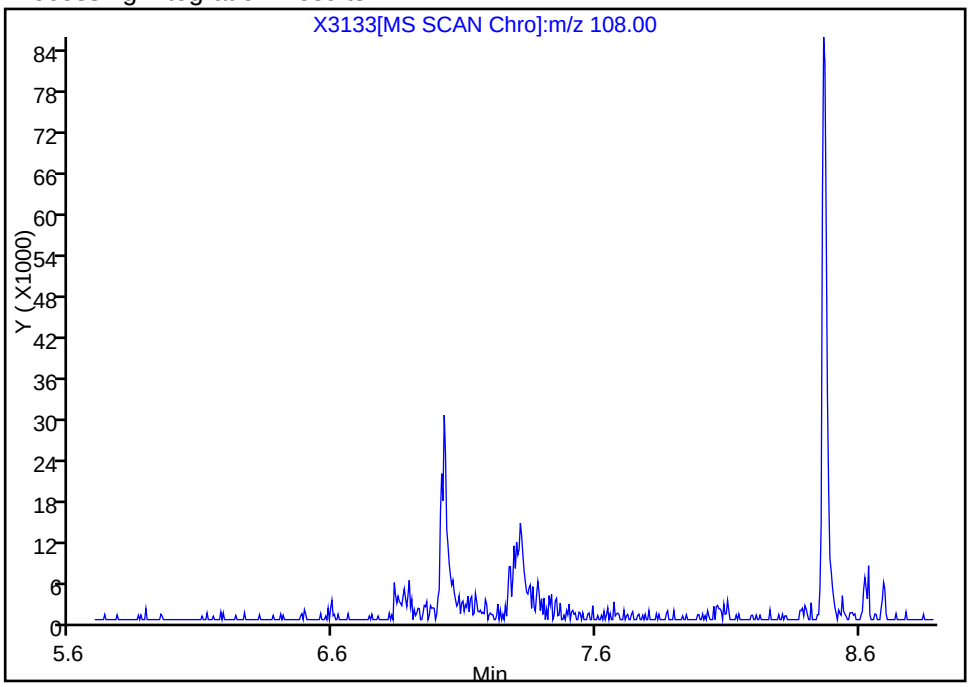
TestAmerica Buffalo

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

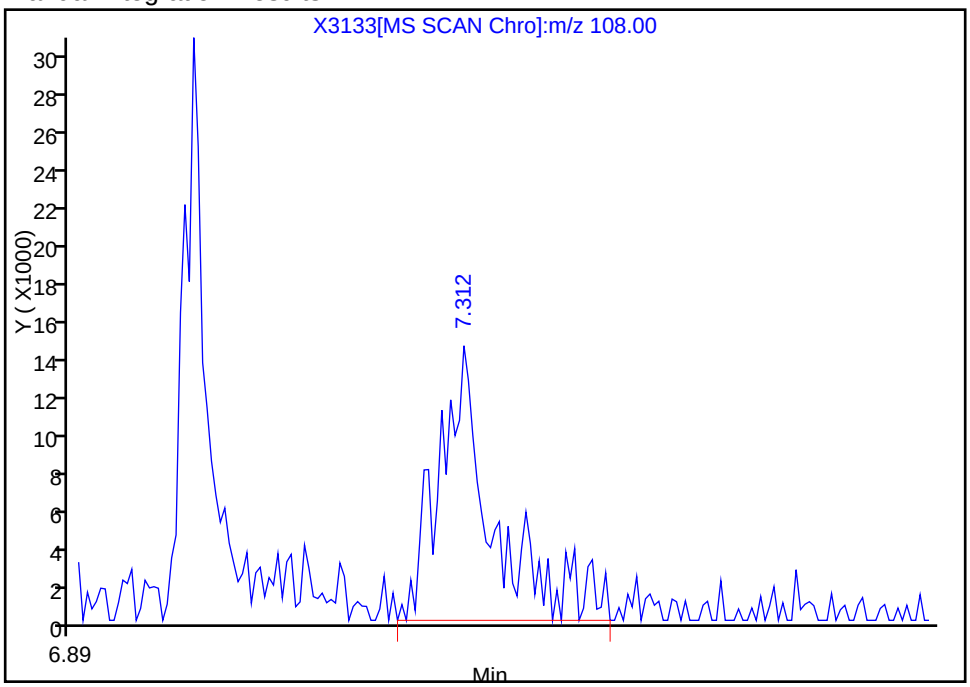
Processing Integration Results

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

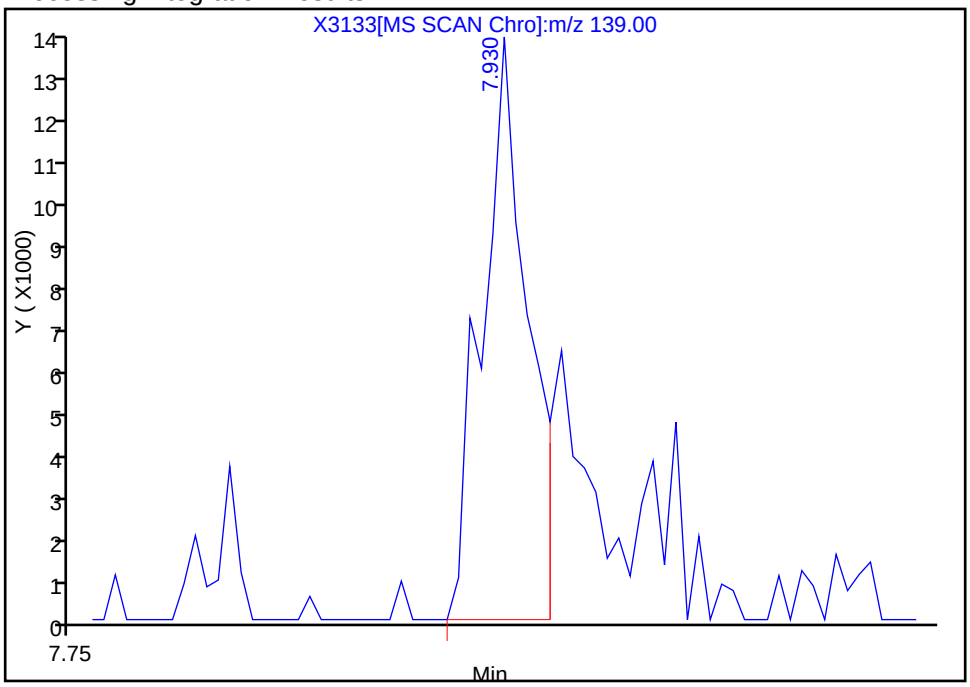
TestAmerica Buffalo

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

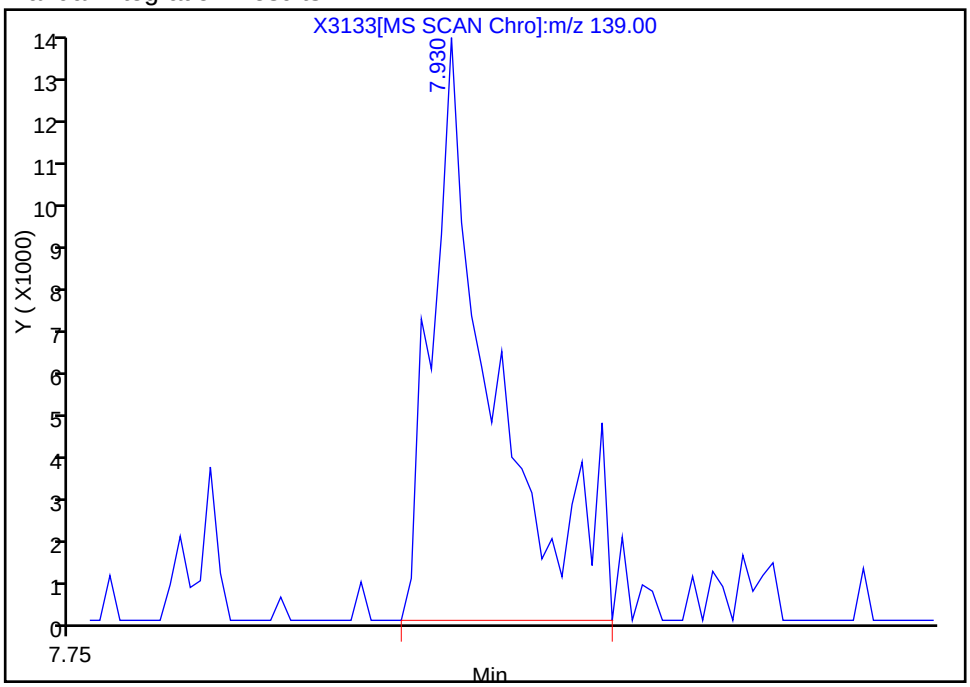
Processing Integration Results

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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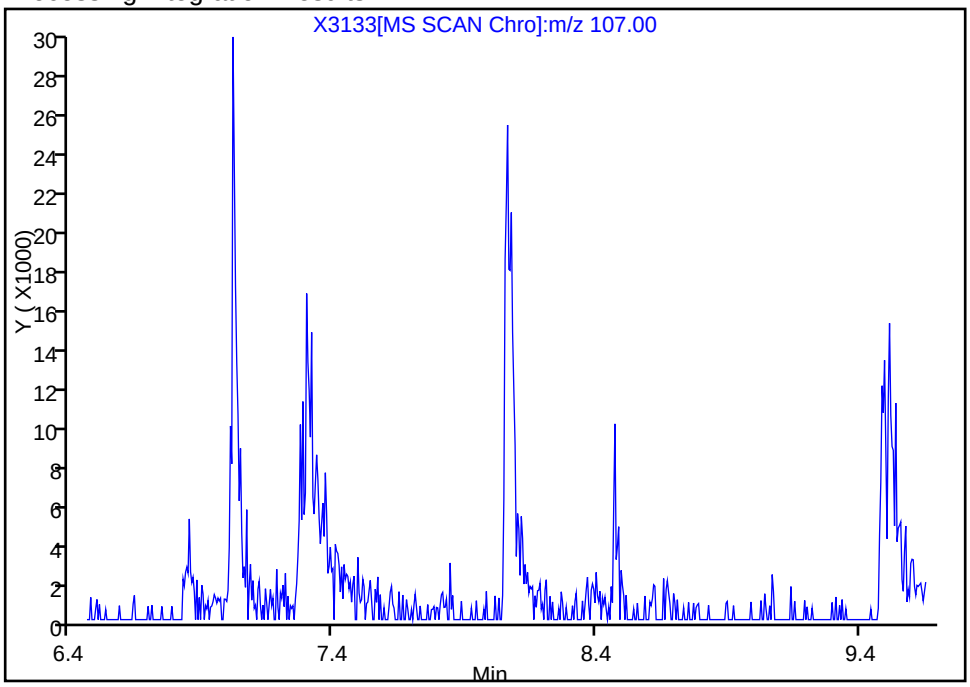
TestAmerica Buffalo

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

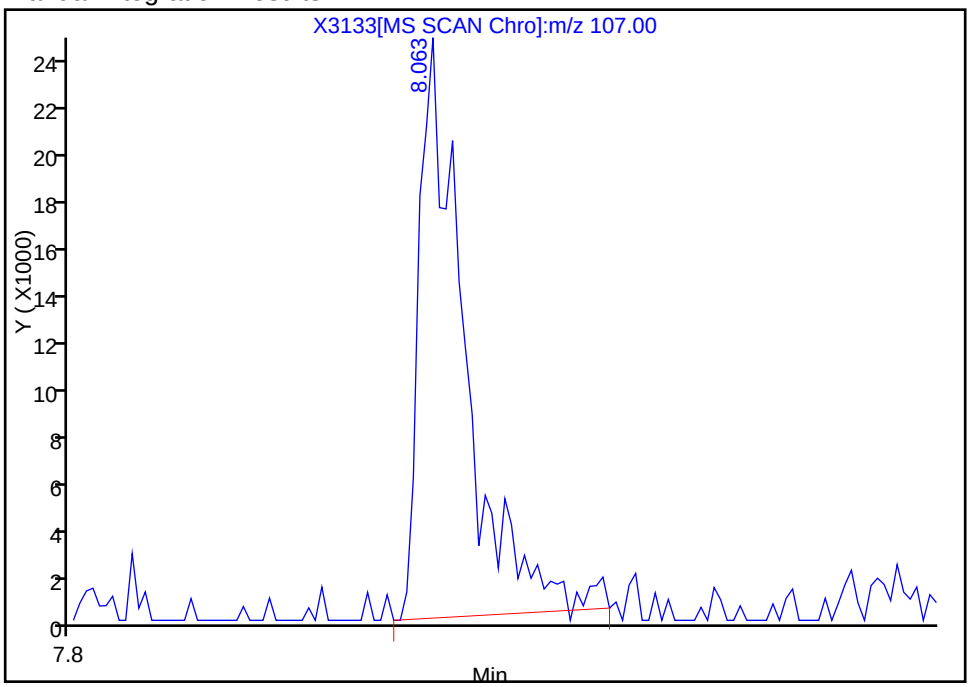
Processing Integration Results

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

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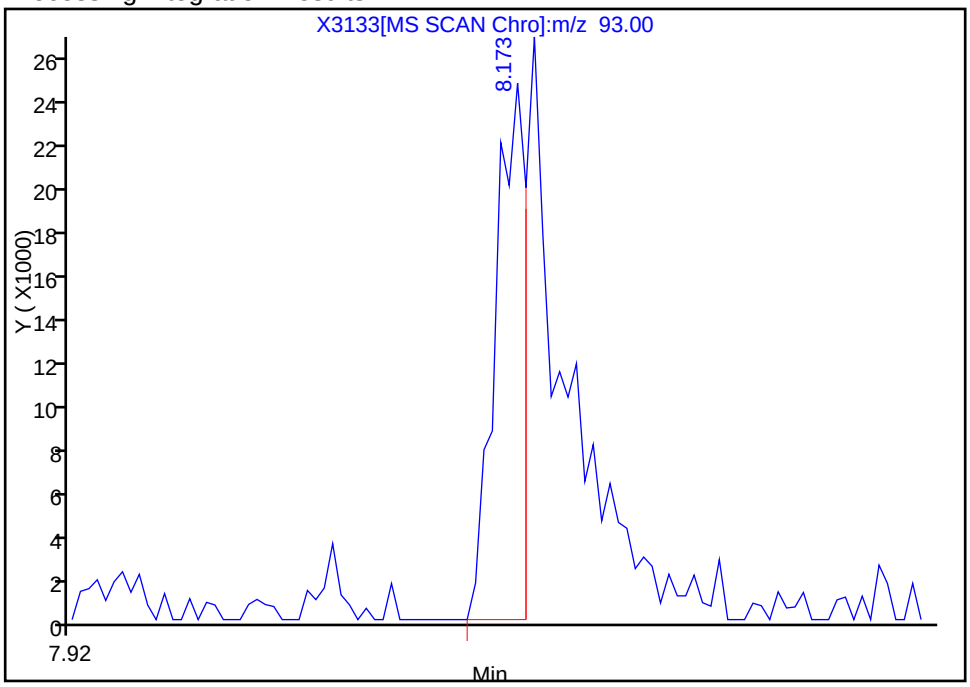
TestAmerica Buffalo

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

45 Bis(2-chloroethoxy)methane, Signal: 1, m/z: 93.0 Type: quant, RT: 8.18

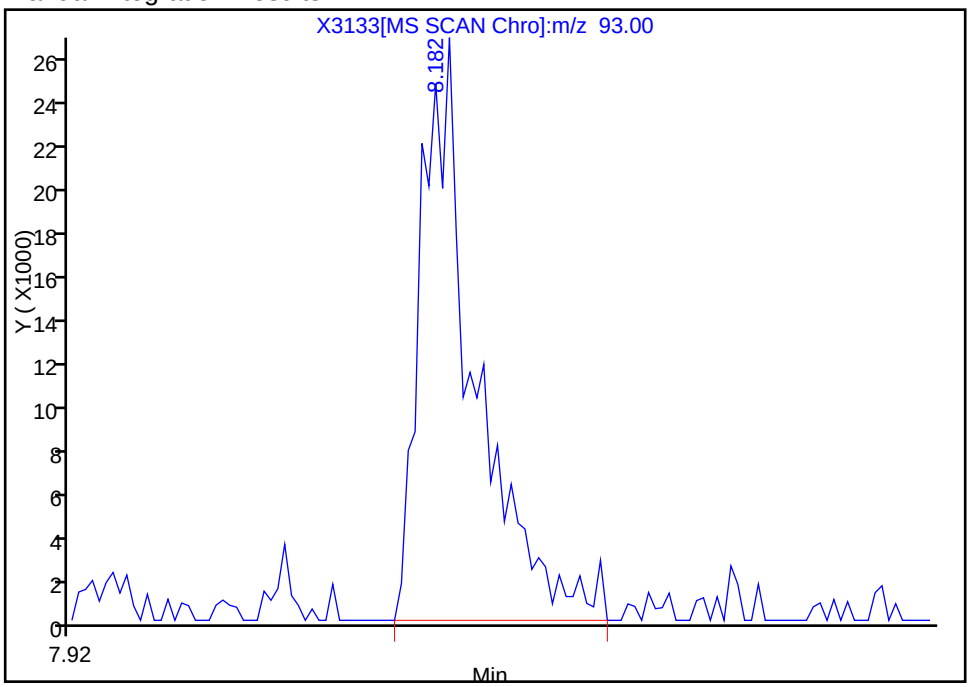
Processing Integration Results

RT: 8.17
Response: 29029
Amount: 0.852615



Manual Integration Results

RT: 8.18
Response: 68136
Amount: 1.066069



Reviewer: mckernar, 18-Dec-2012 13:05:29
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 18-Dec-2012 16:43:03 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

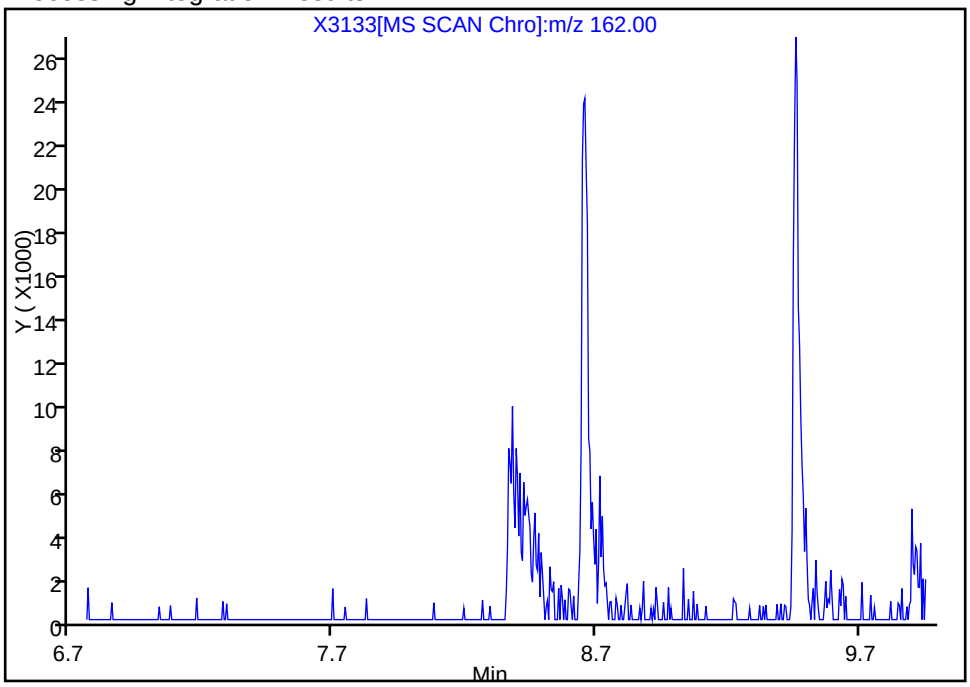
TestAmerica Buffalo

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

47 2,4-Dichlorophenol, Signal: 1, m/z: 162.0 Type: quant, RT: 8.36

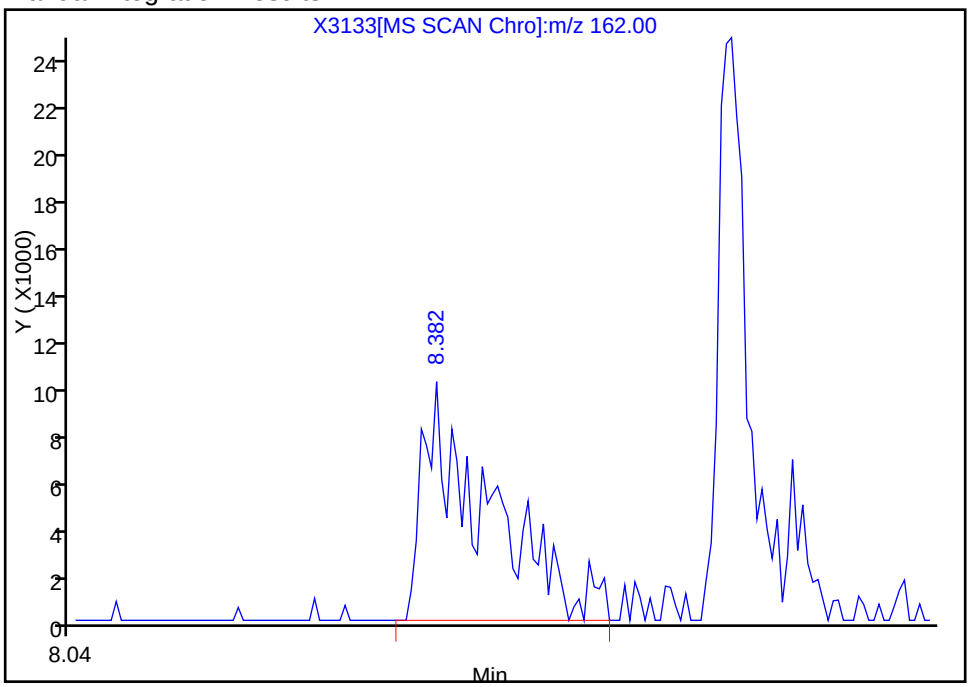
Processing Integration Results

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

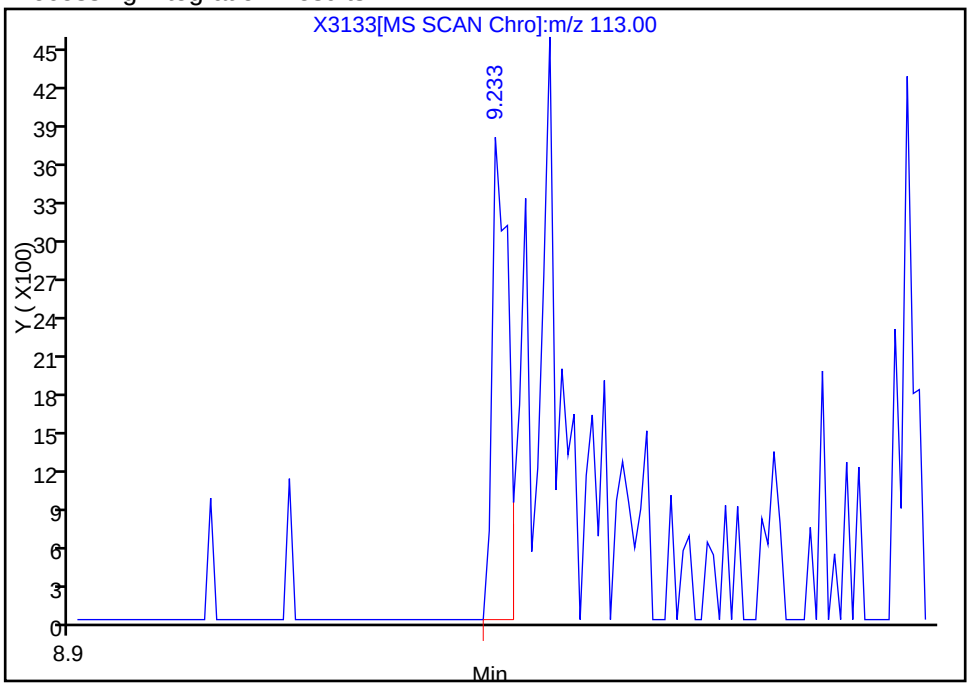
TestAmerica Buffalo

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

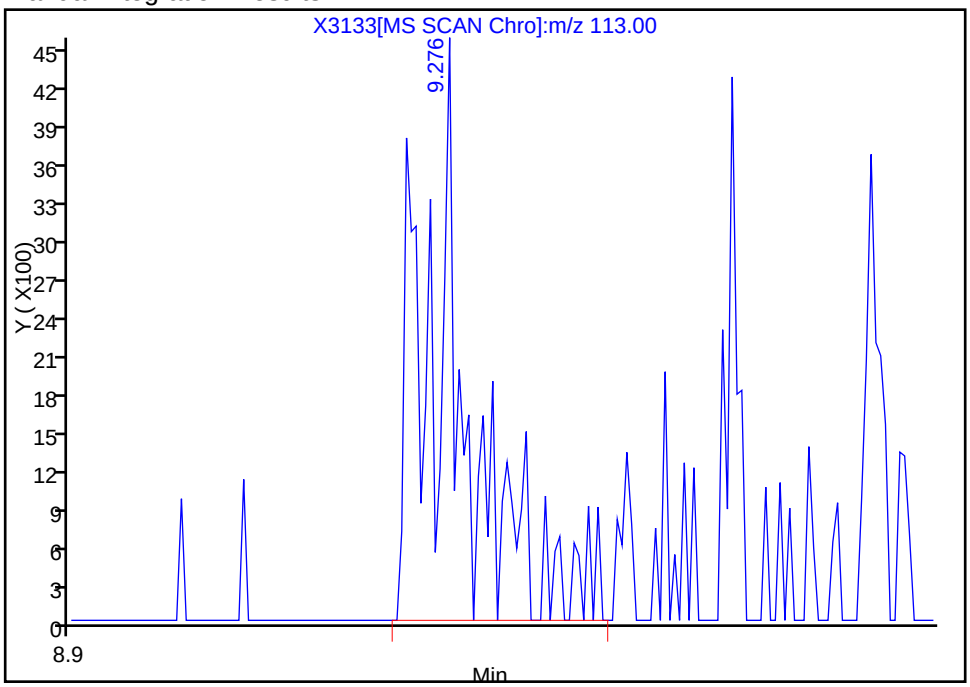
Processing Integration Results

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

Report Date: 18-Dec-2012 16:43:03 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

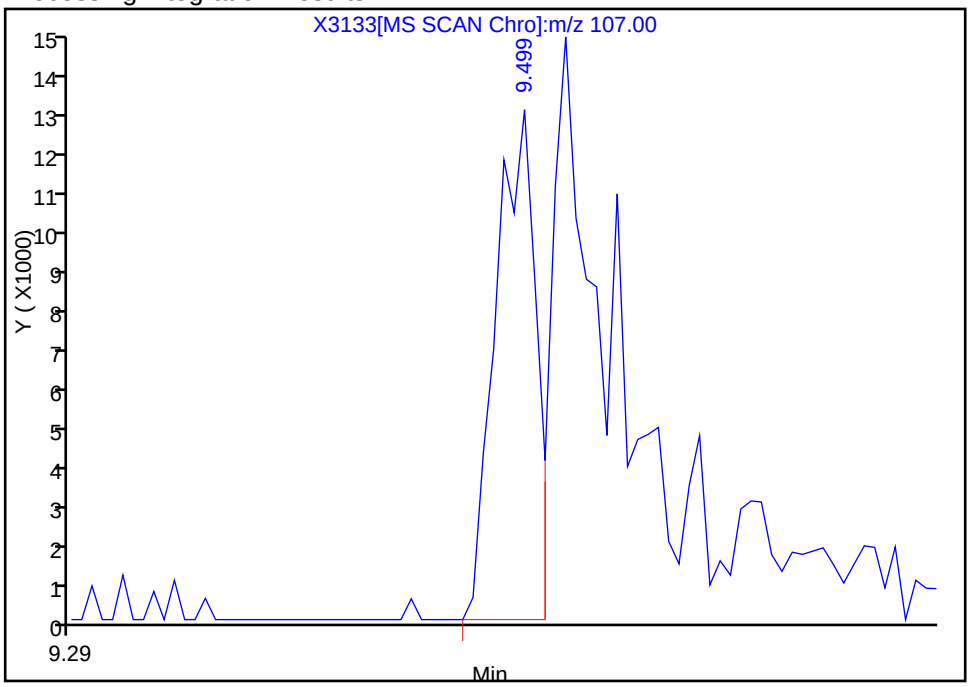
TestAmerica Buffalo

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

55 4-Chloro-3-methylphenol, Signal: 1, m/z: 107.0 Type: quant, RT: 9.47

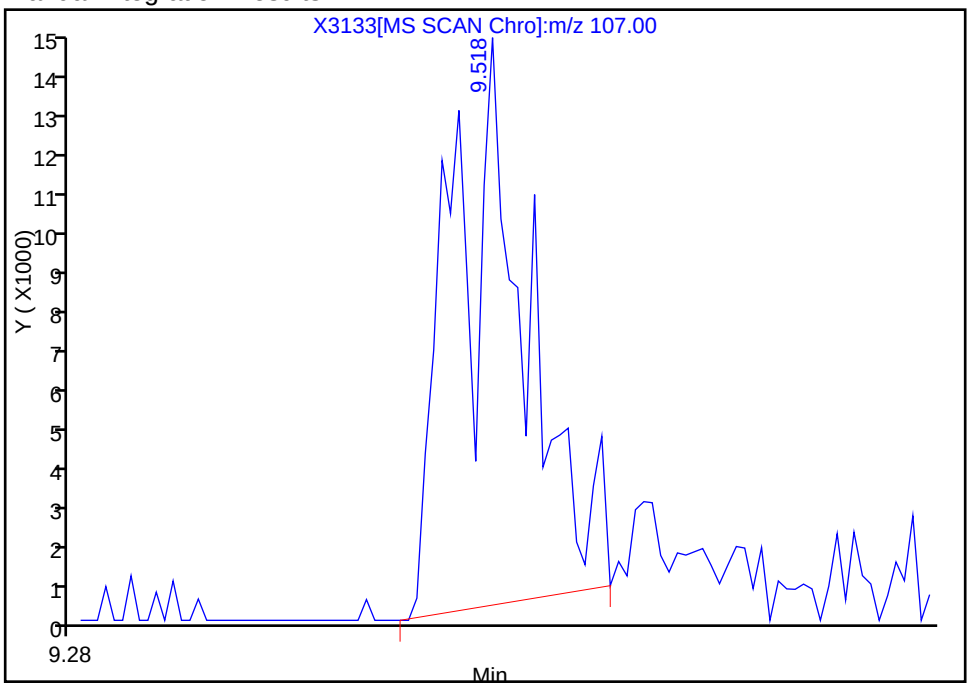
Processing Integration Results

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

Manual Integration/User Assign Peak Report

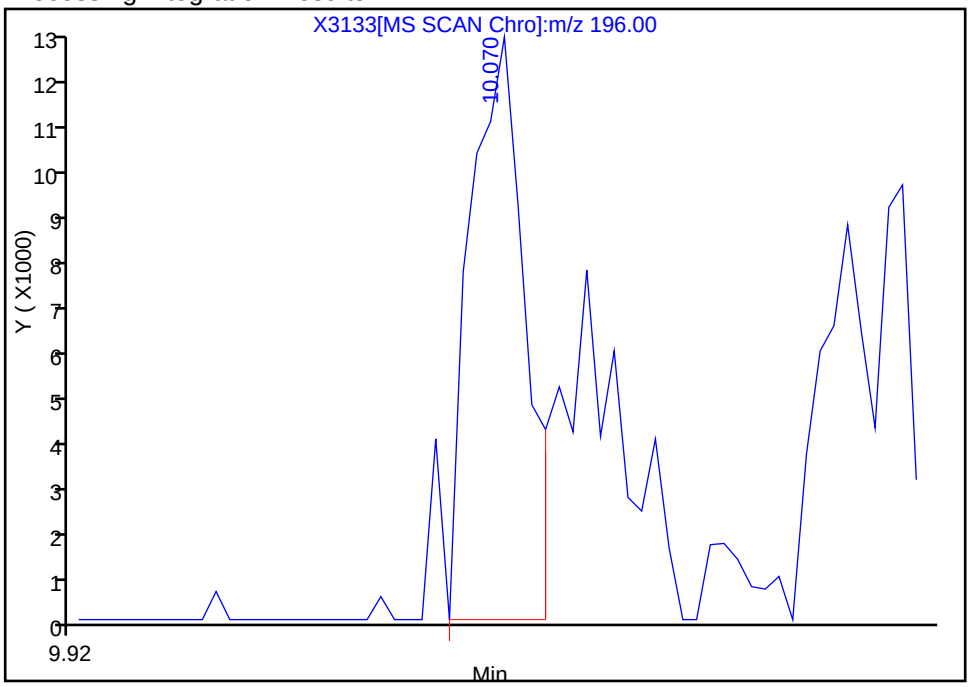
TestAmerica Buffalo

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

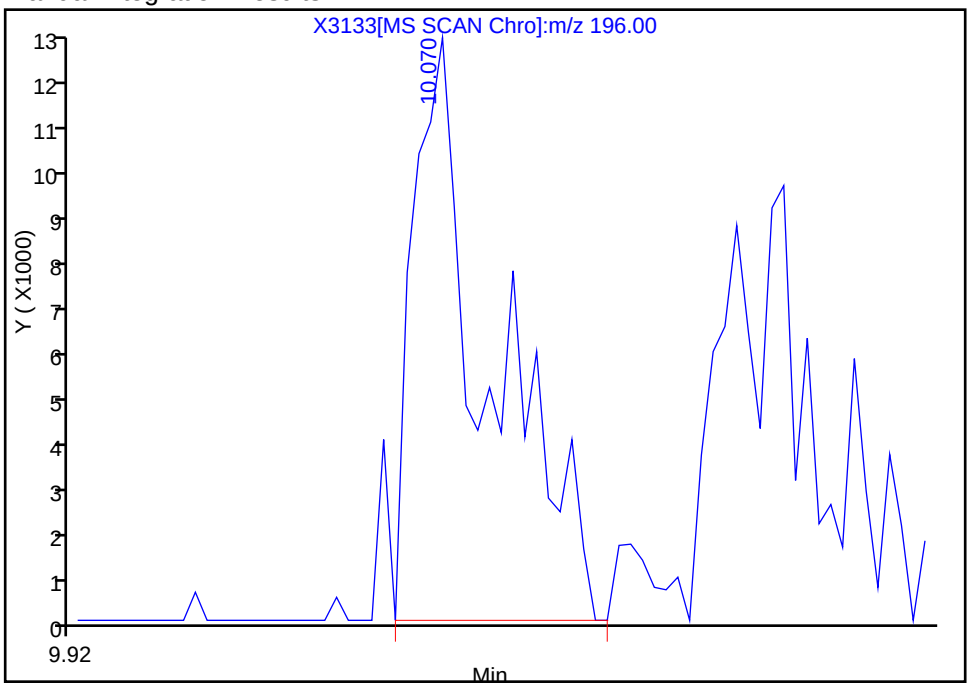
Processing Integration Results

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

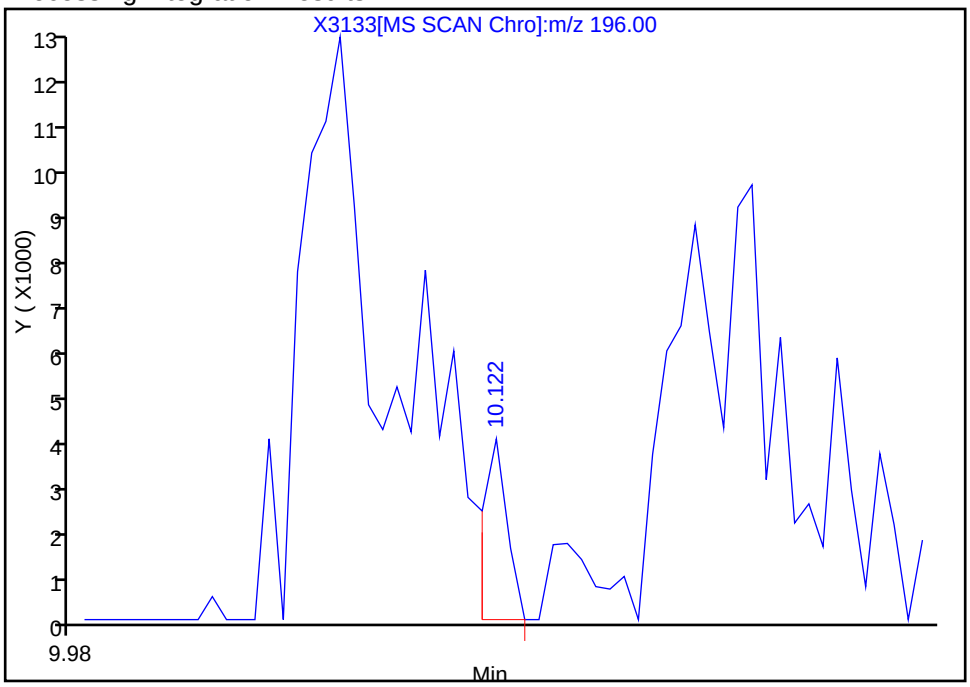
TestAmerica Buffalo

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

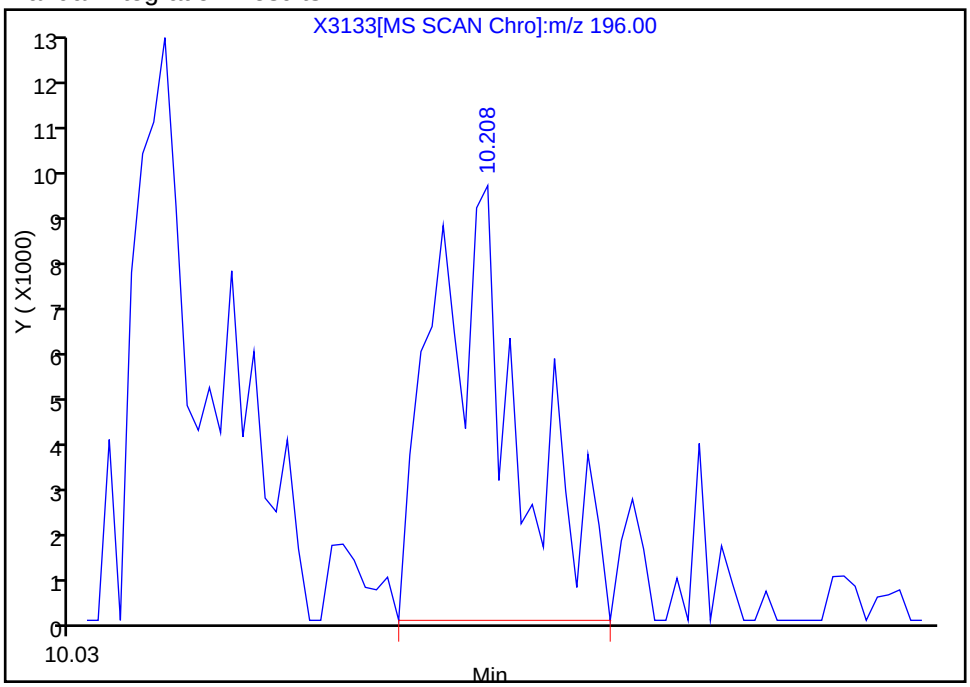
Processing Integration Results

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

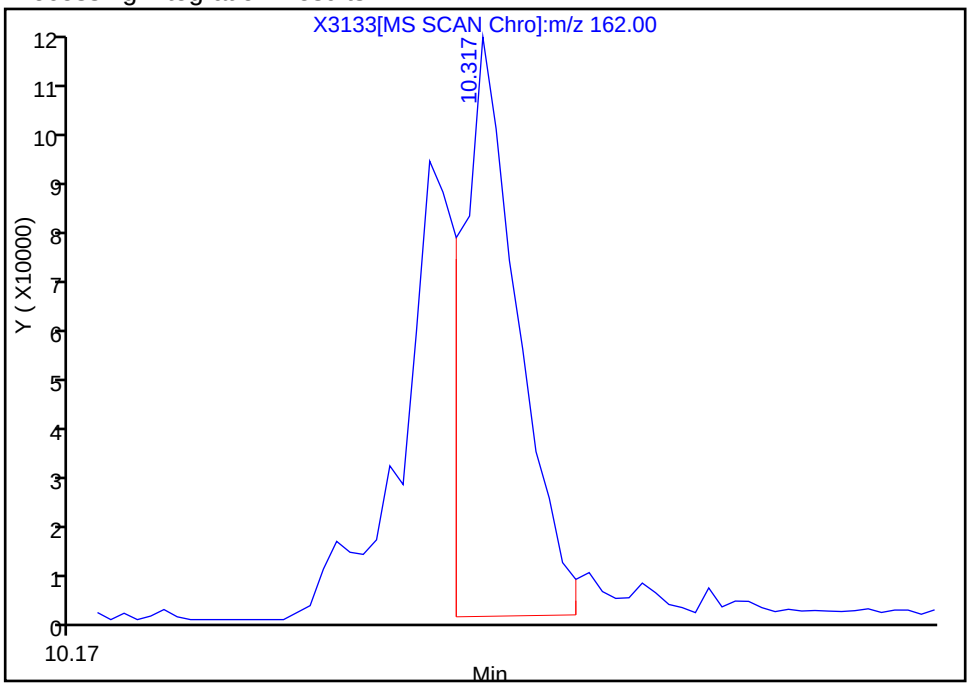
TestAmerica Buffalo

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

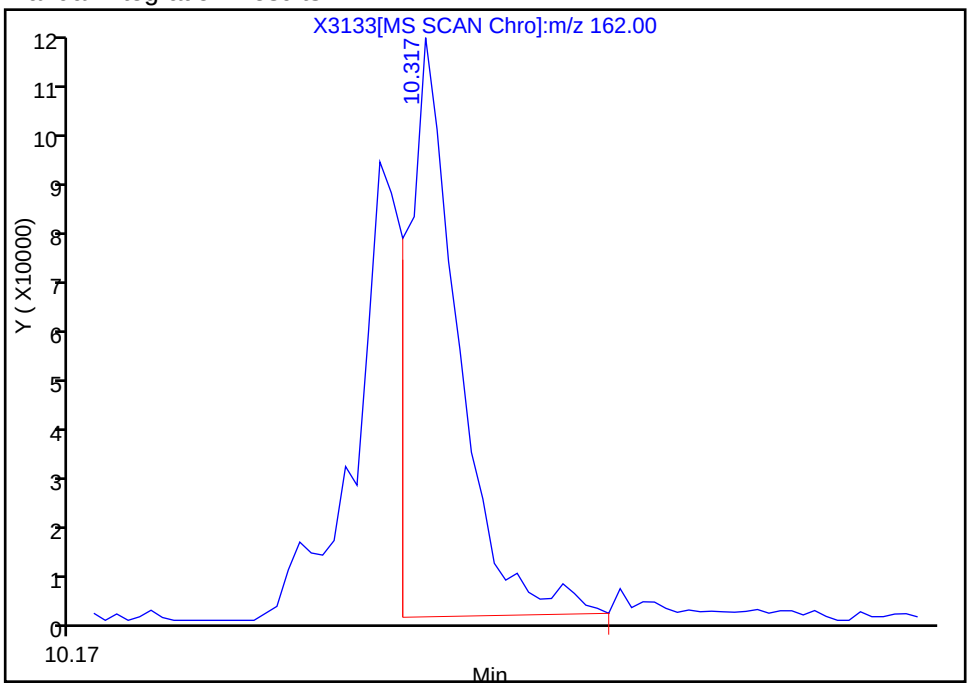
Processing Integration Results

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

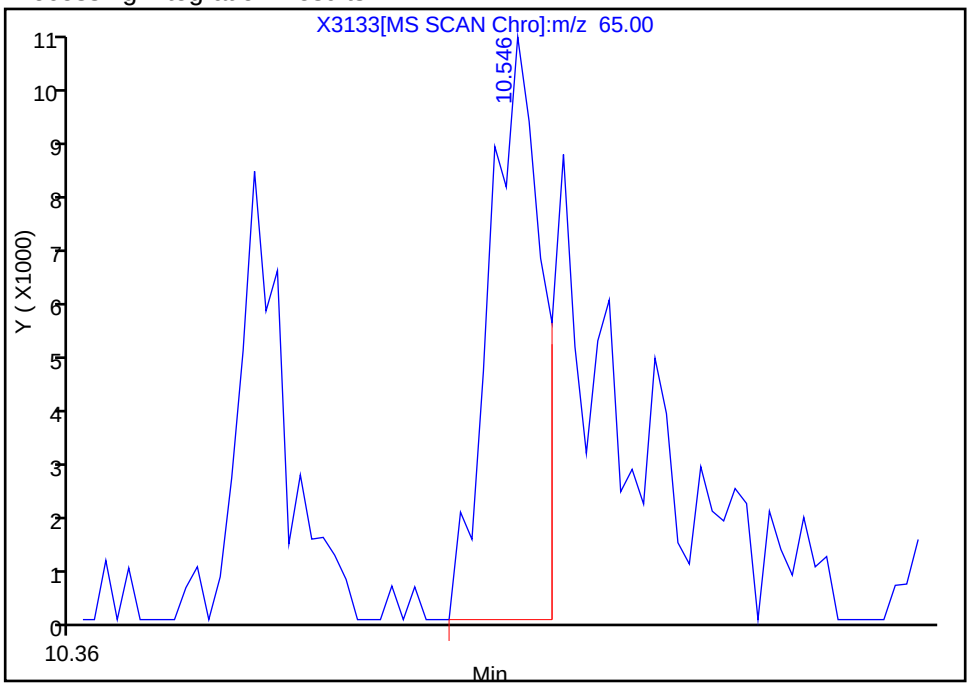
TestAmerica Buffalo

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

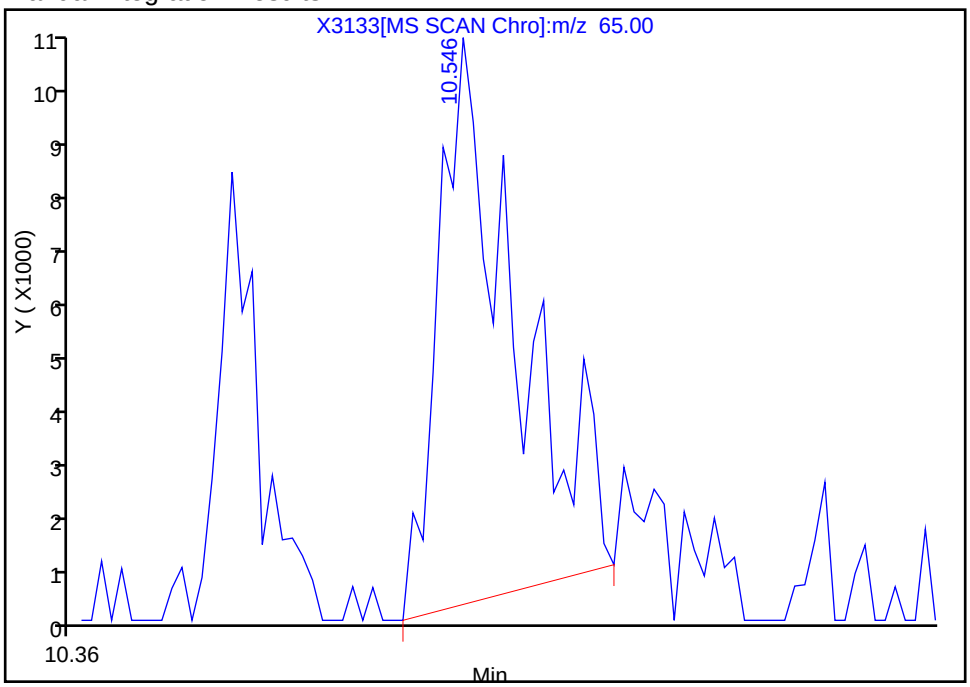
Processing Integration Results

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

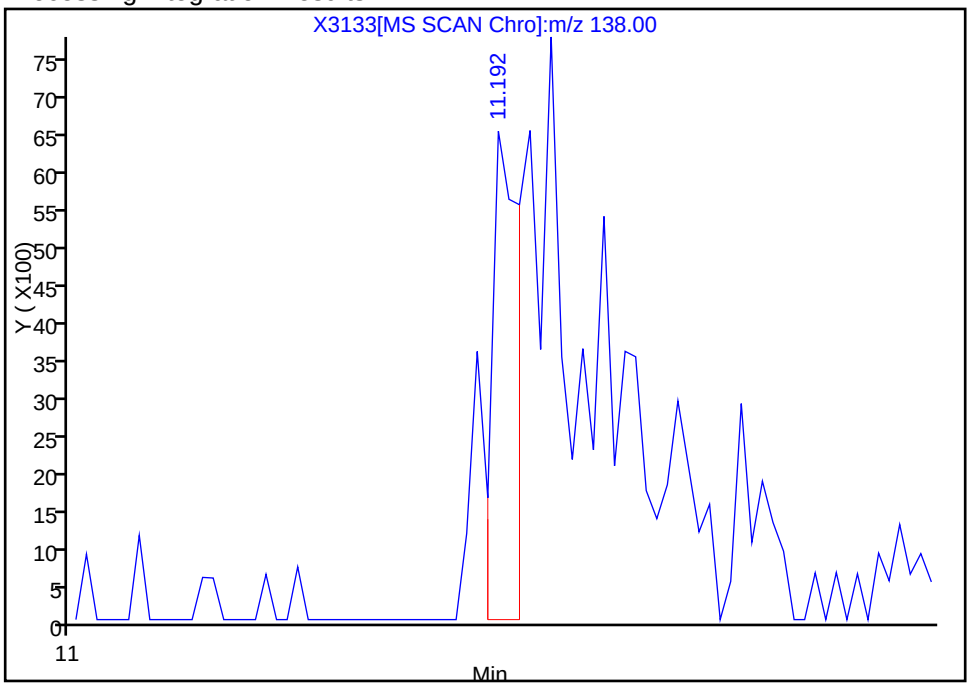
TestAmerica Buffalo

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

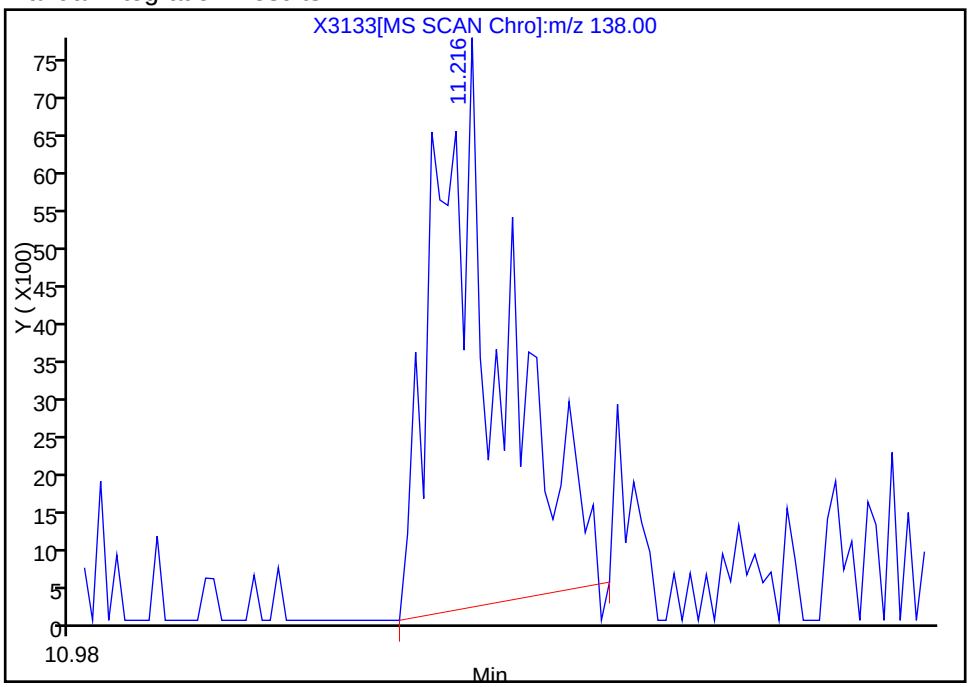
Processing Integration Results

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

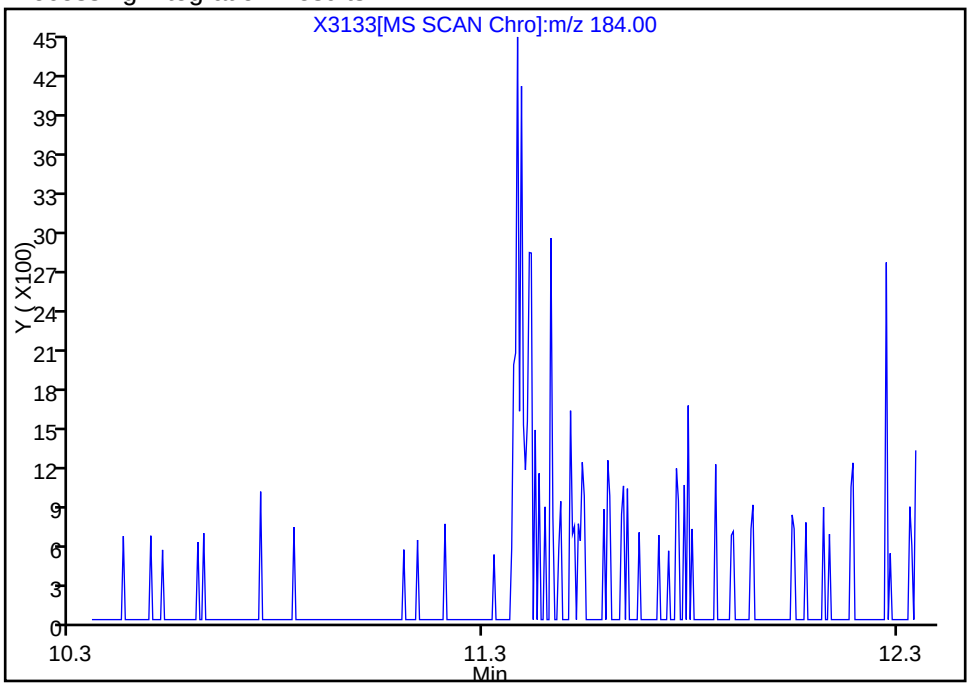
TestAmerica Buffalo

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

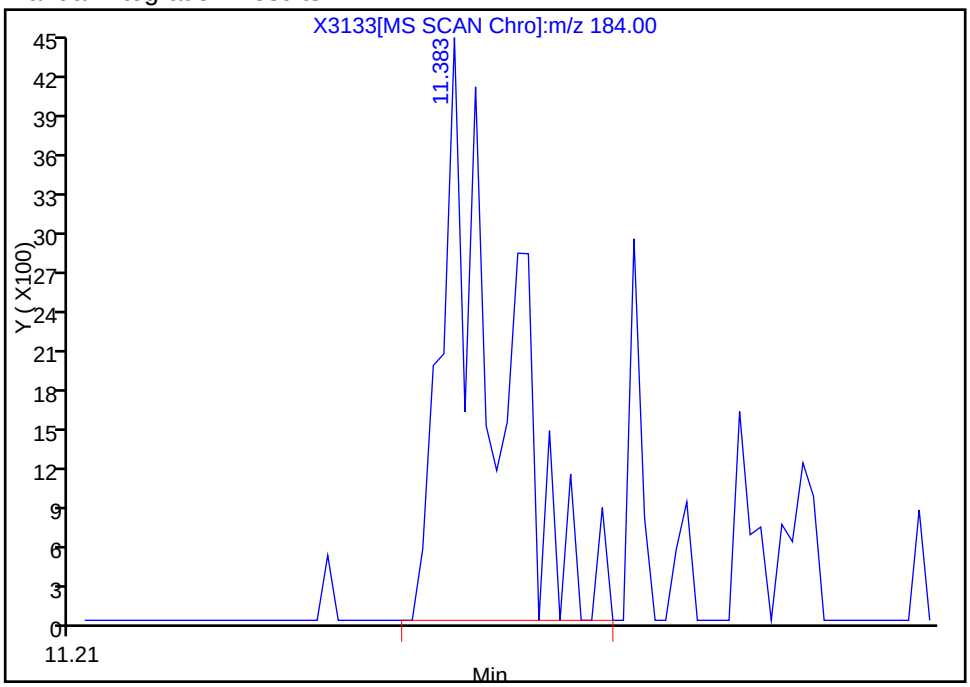
Processing Integration Results

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

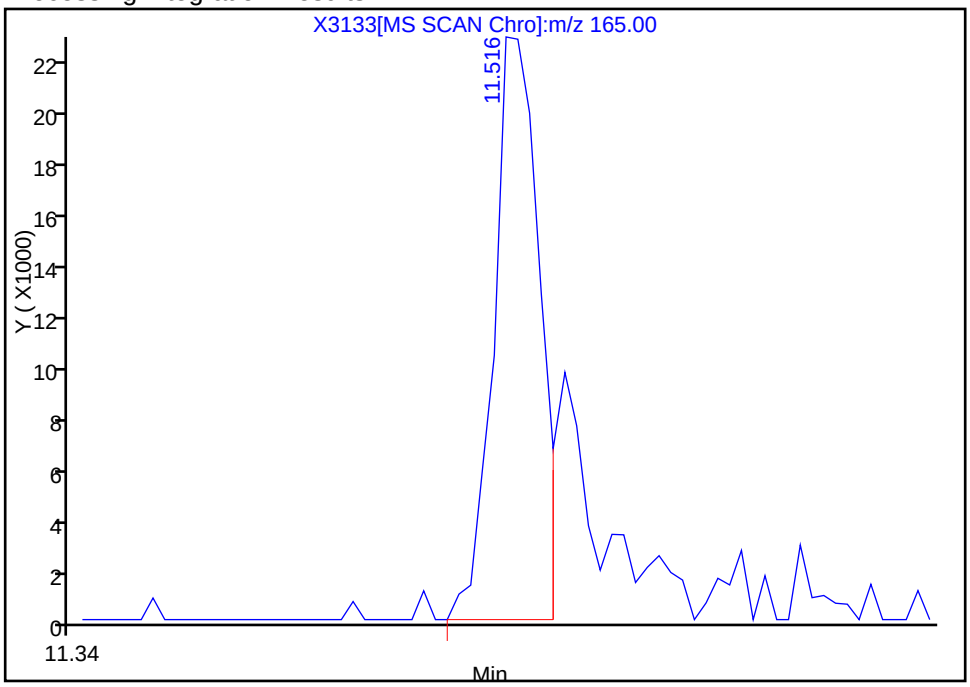
TestAmerica Buffalo

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

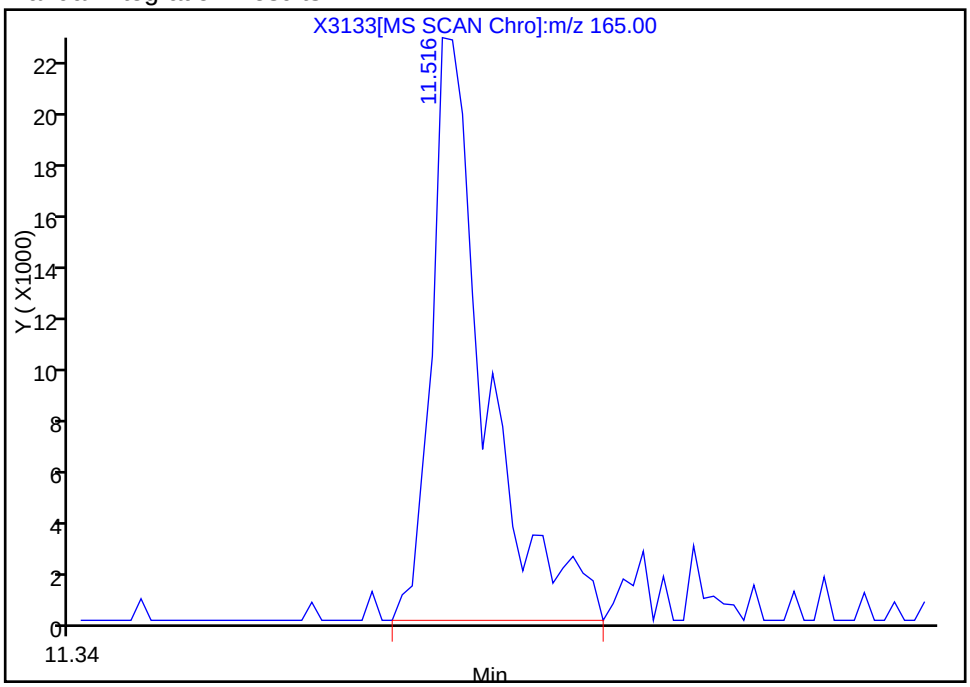
Processing Integration Results

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

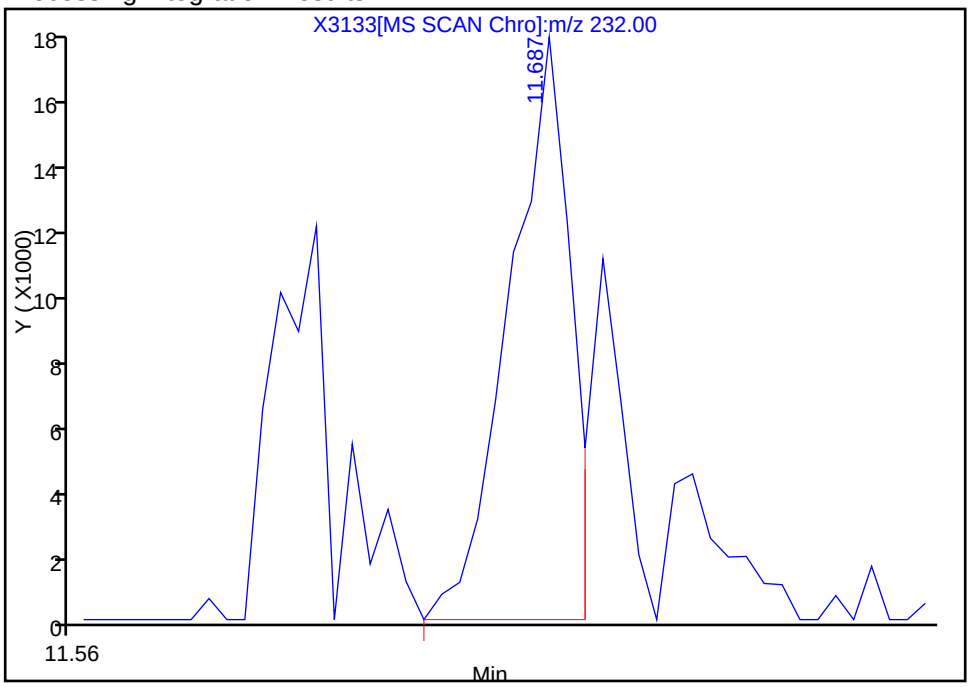
TestAmerica Buffalo

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

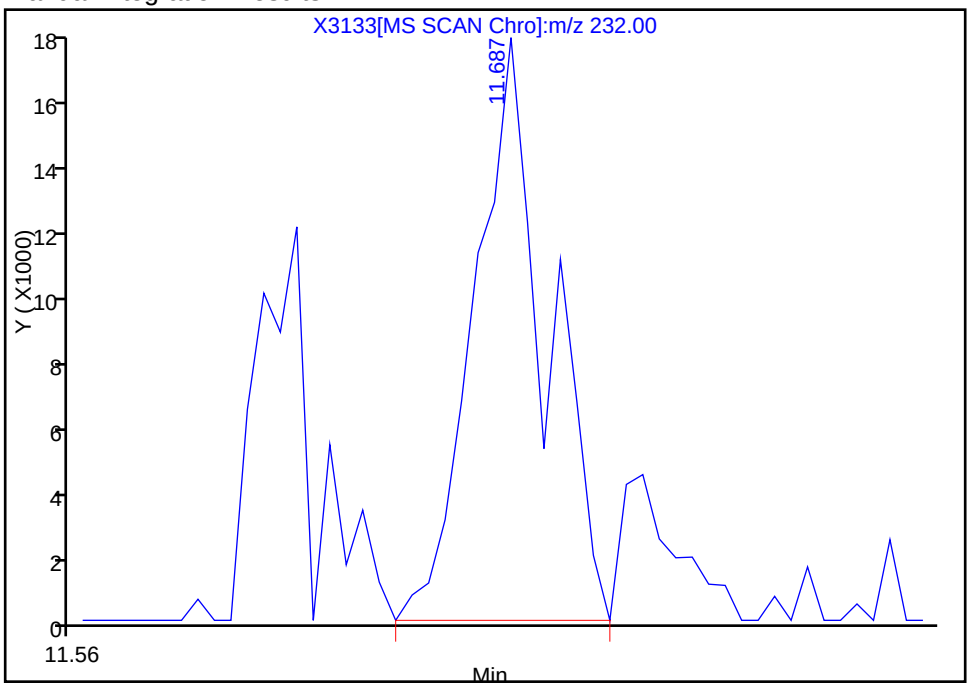
Processing Integration Results

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

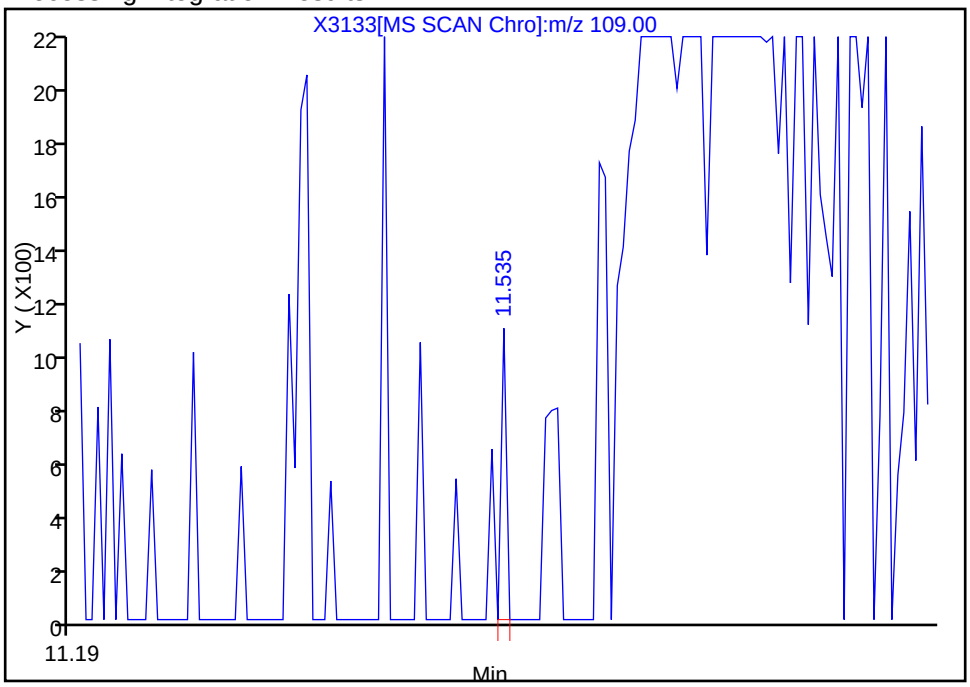
TestAmerica Buffalo

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

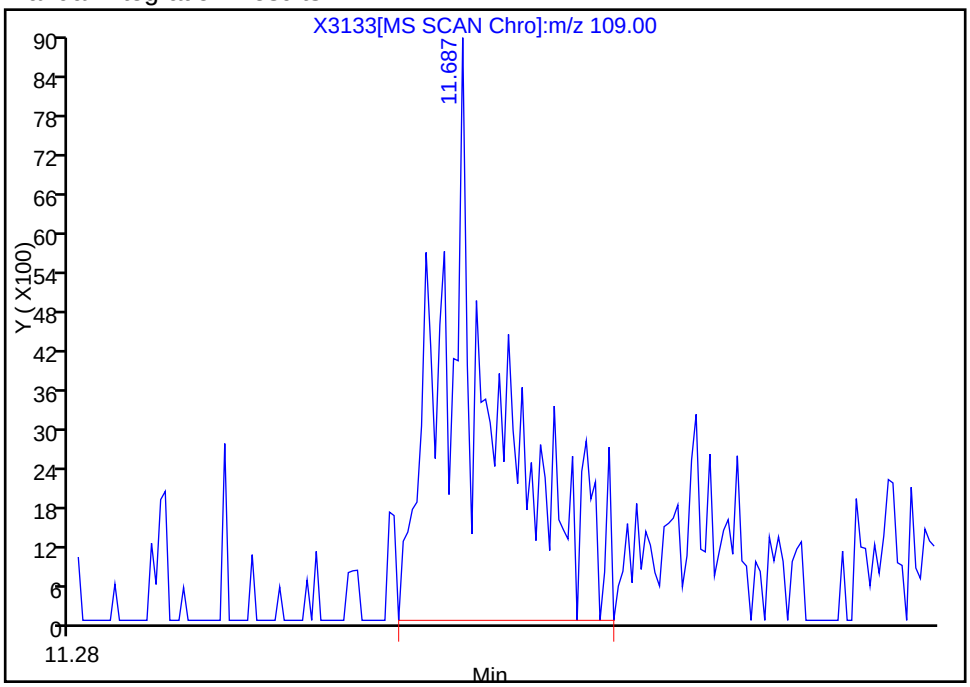
Processing Integration Results

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

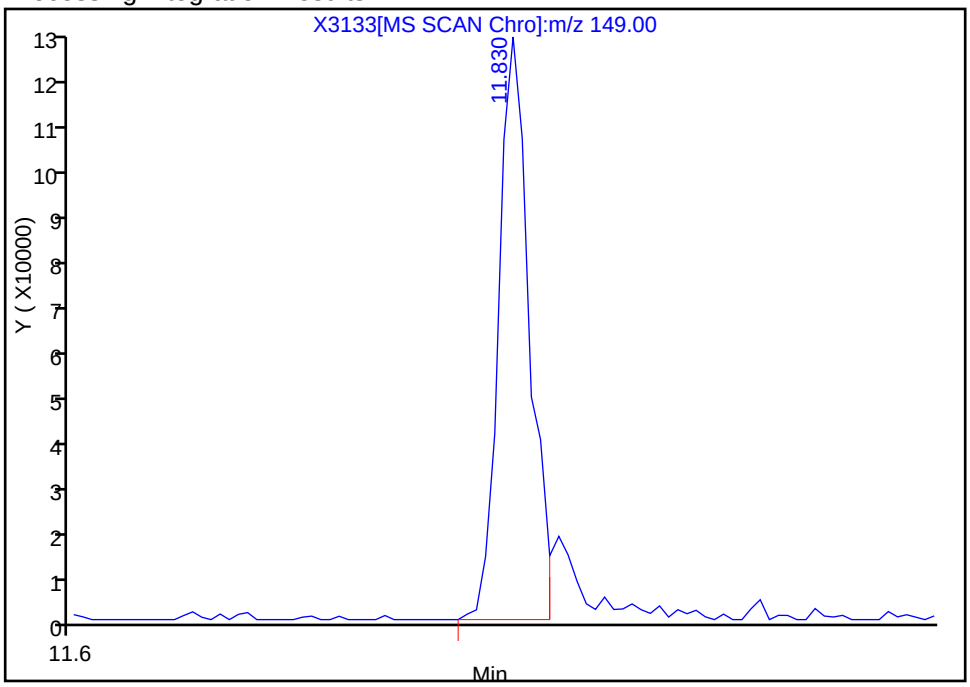
TestAmerica Buffalo

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

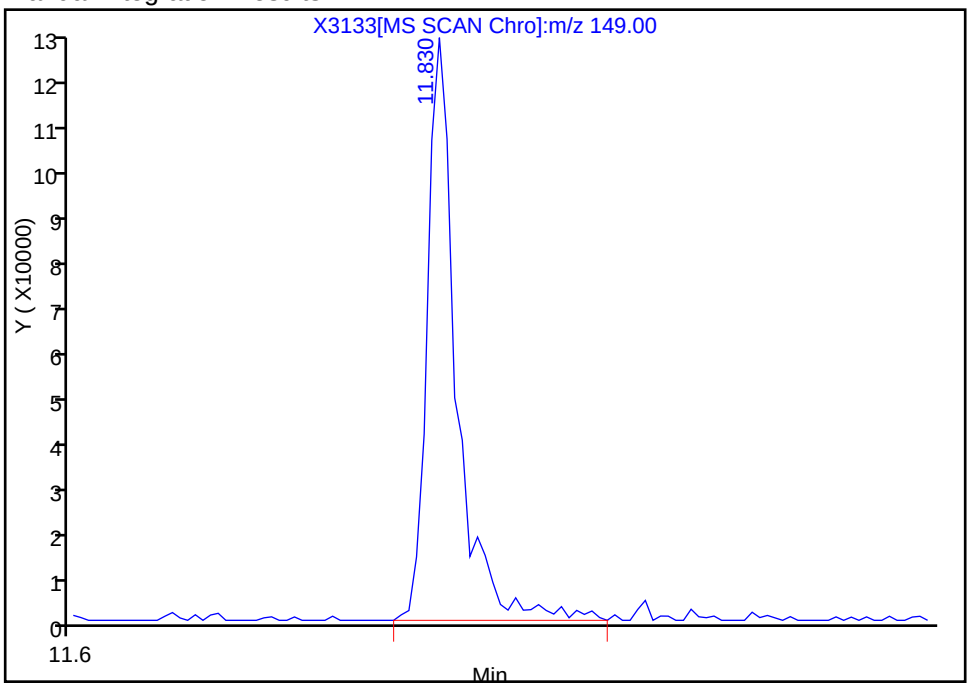
Processing Integration Results

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

Report Date: 18-Dec-2012 16:43:03 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

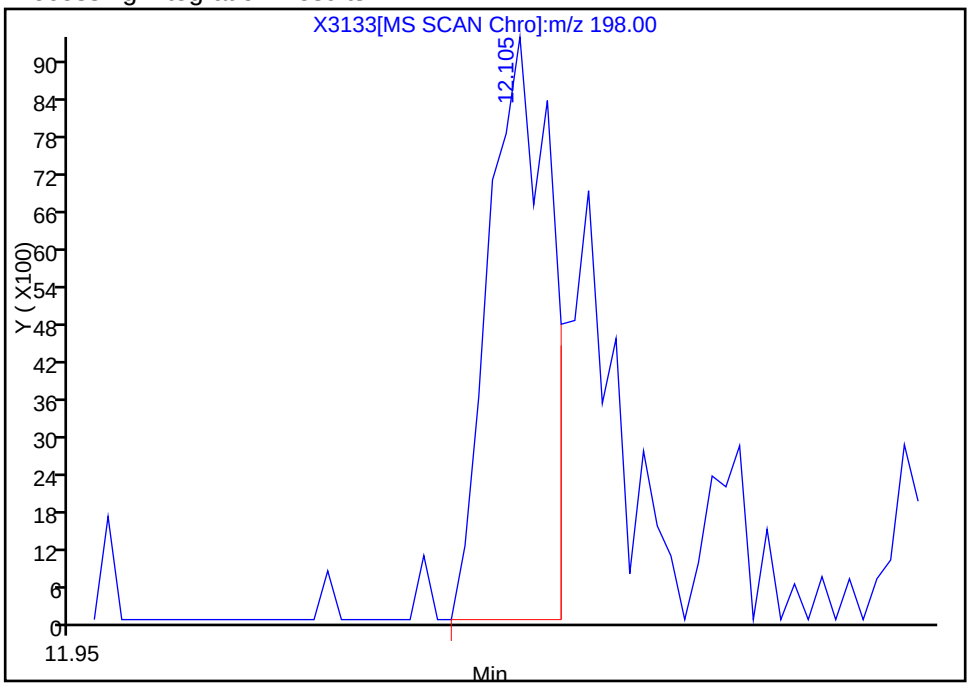
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3133.D		
Injection Date:	18-Dec-2012 12:11:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	4
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

82 4,6-Dinitro-2-methylphenol, Signal: 1, m/z: 198.0 Type: quant, RT: 12.08

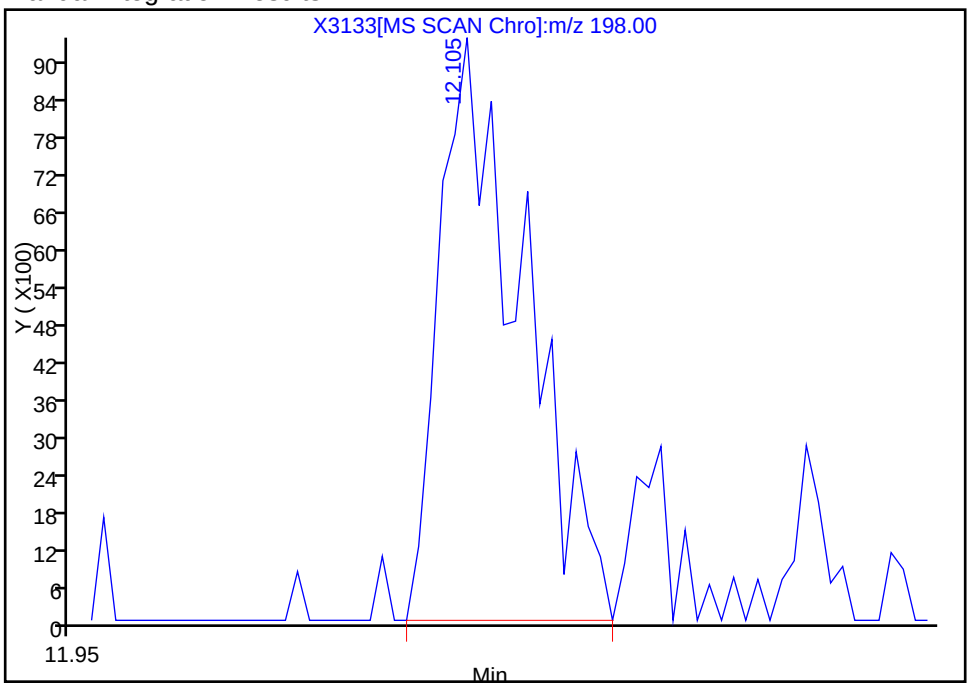
Processing Integration Results

RT: 12.11
Response: 13868
Amount: 1.753691



Manual Integration Results

RT: 12.11
Response: 21166
Amount: 1.865143



Reviewer: mckernar, 18-Dec-2012 13:05:29
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

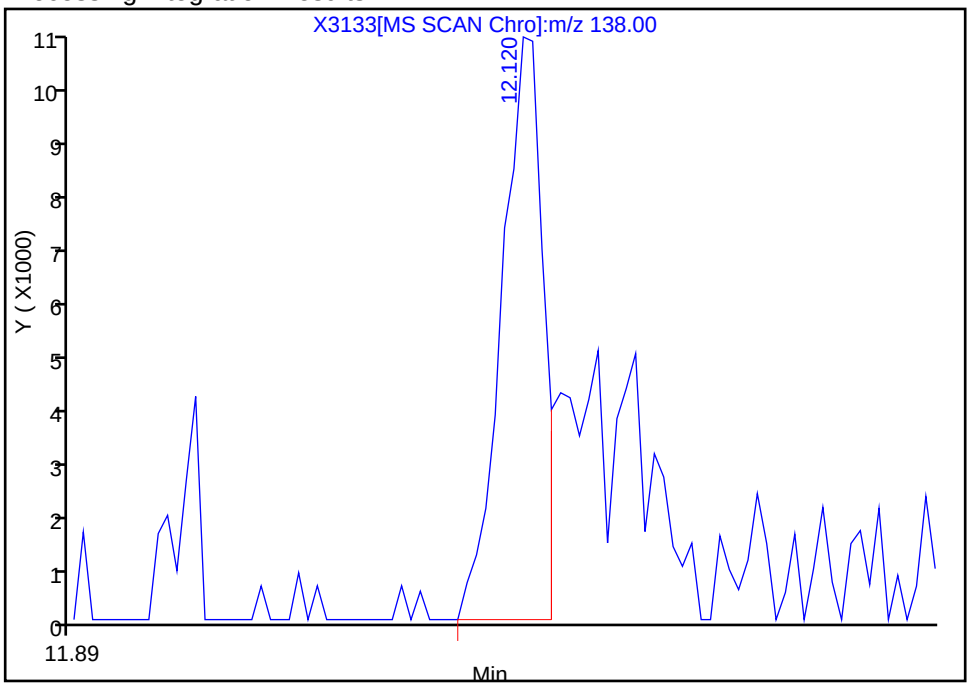
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3133.D		
Injection Date:	18-Dec-2012 12:11:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	4
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

81 4-Nitroaniline, Signal: 1, m/z: 138.0 Type: quant, RT: 12.07

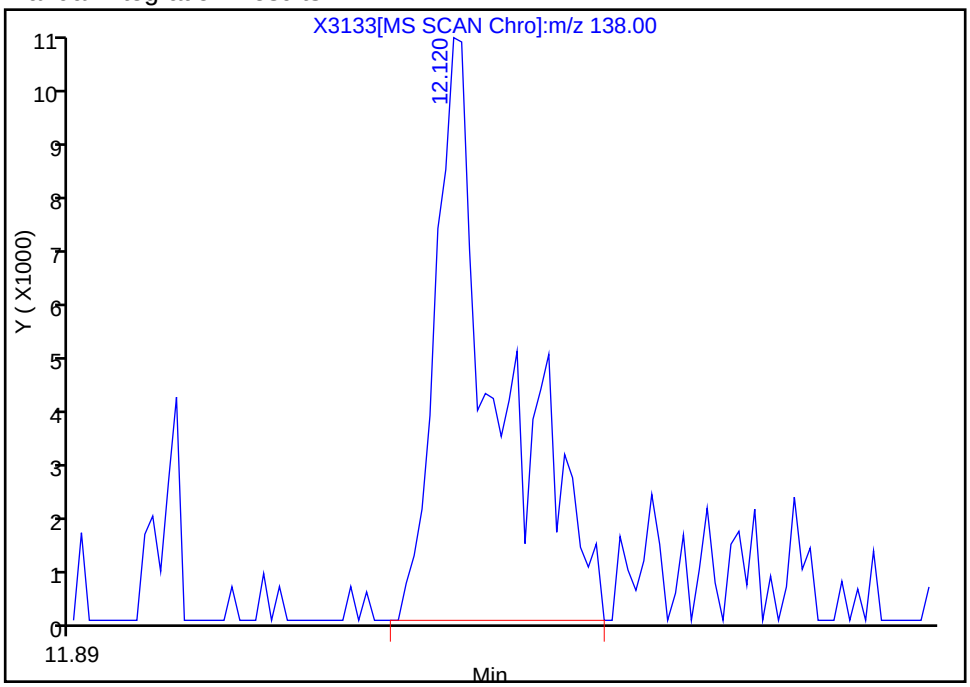
Processing Integration Results

RT: 12.12
Response: 15827
Amount: 1.856963



Manual Integration Results

RT: 12.12
Response: 28981
Amount: 1.227024



Reviewer: mckernar, 18-Dec-2012 13:05:29
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 18-Dec-2012 16:43:03 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

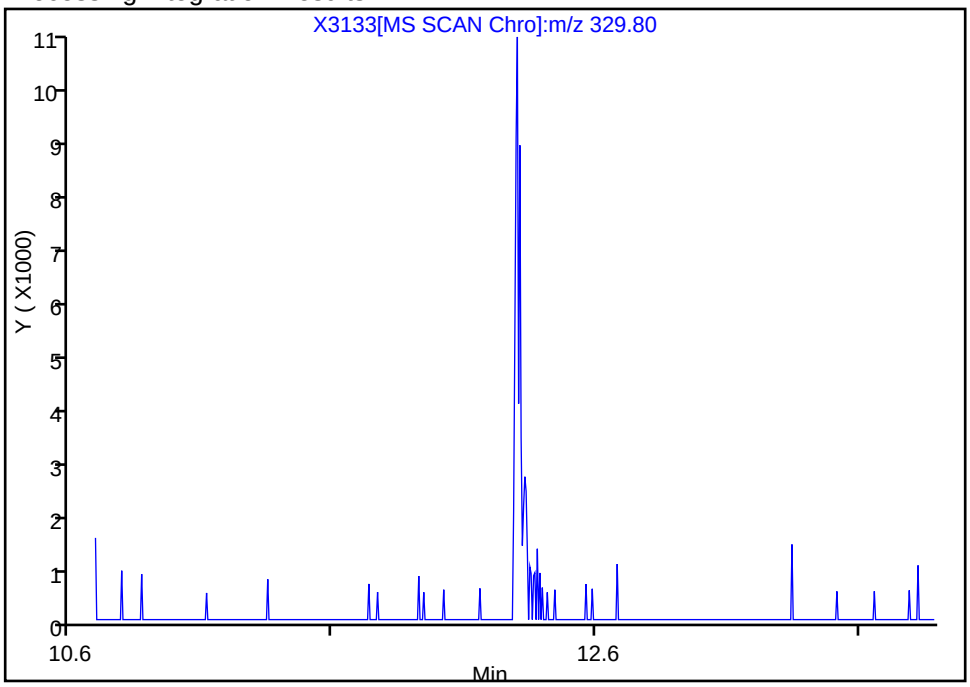
TestAmerica Buffalo

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

$ 11 2,4,6-Tribromophenol, Signal: 1, m/z: 329.8 Type: quant, RT: 12.29

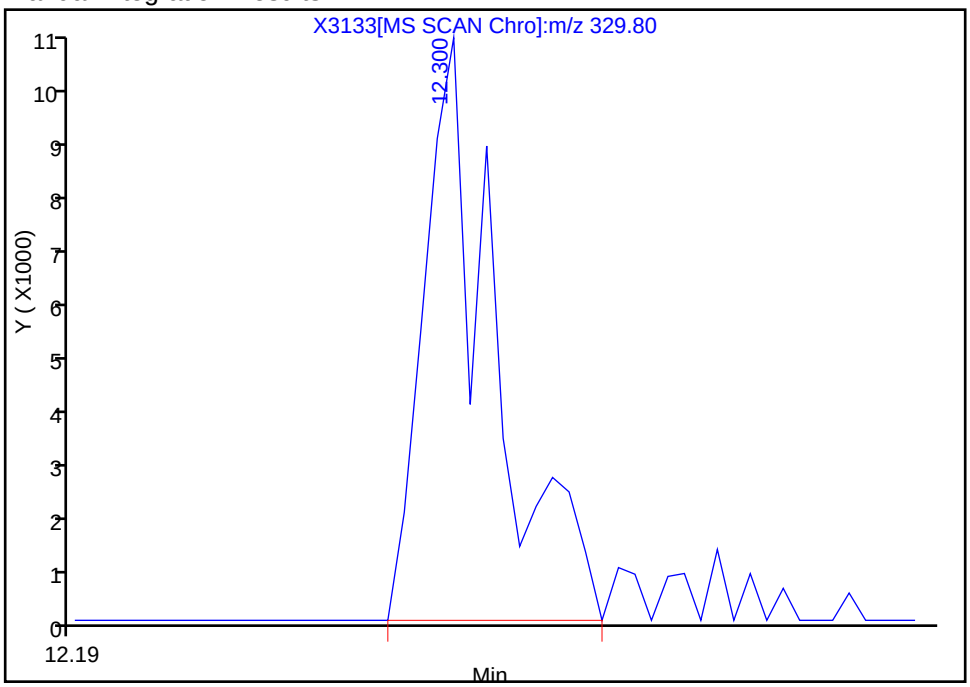
Processing Integration Results

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

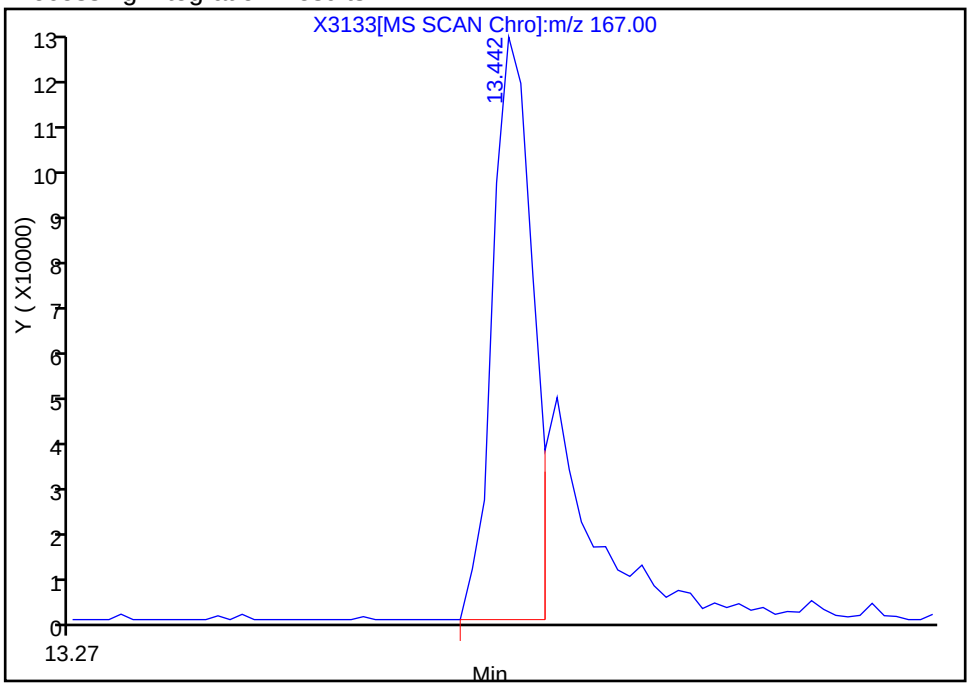
TestAmerica Buffalo

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

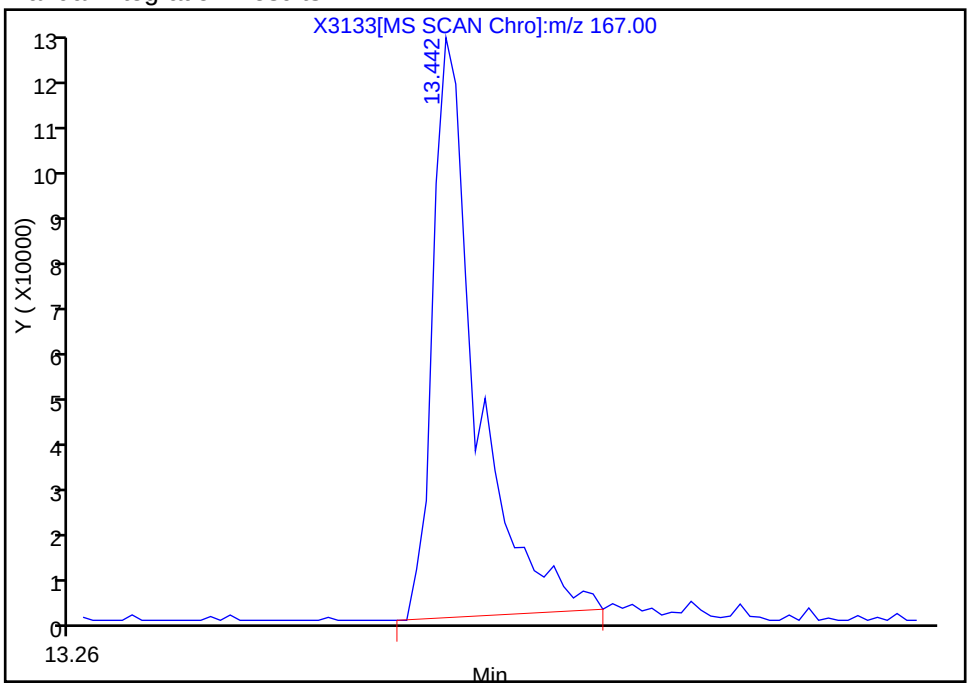
Processing Integration Results

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

Manual Integration/User Assign Peak Report

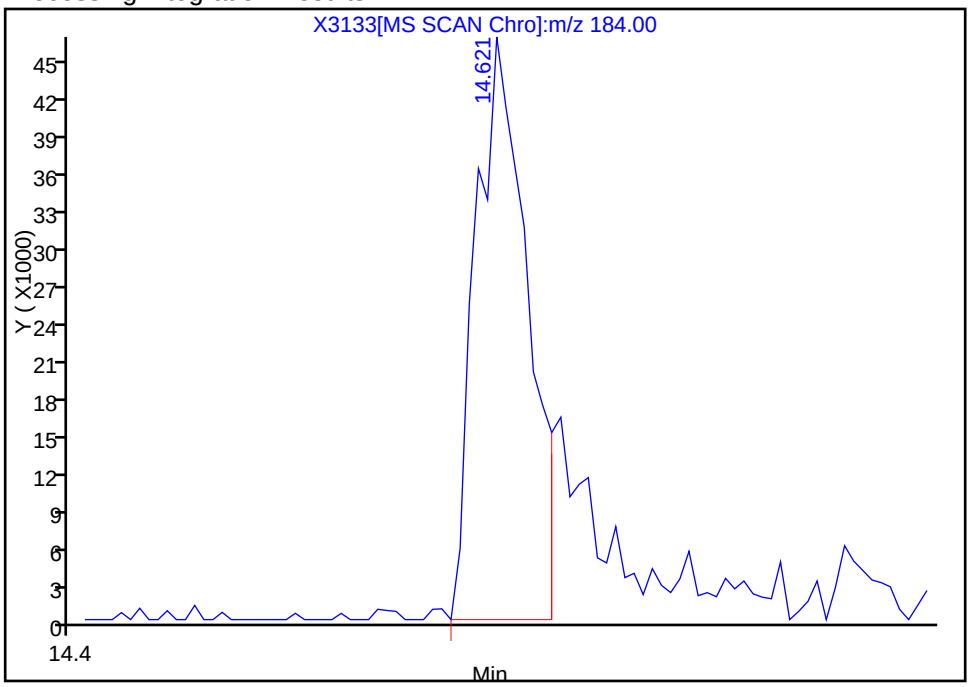
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3133.D		
Injection Date:	18-Dec-2012 12:11:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	4
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

105 Benzidine, Signal: 1, m/z: 184.0 Type: quant, RT: 14.60

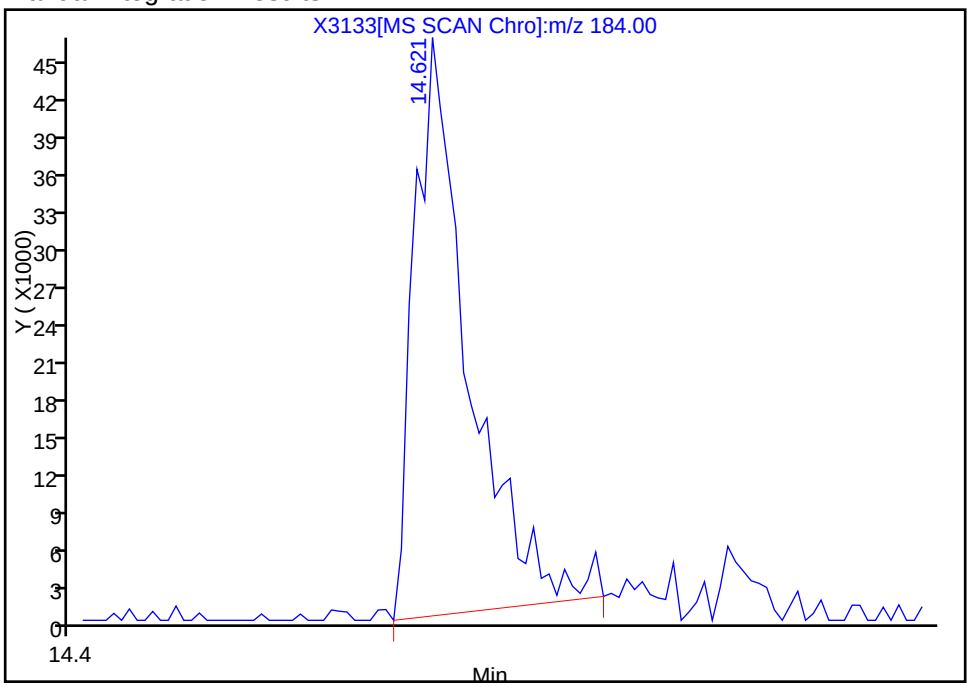
Processing Integration Results

RT: 14.62
Response: 88148
Amount: 1.000000



Manual Integration Results

RT: 14.62
Response: 107316
Amount: 1.177353



Reviewer: mckernar, 18-Dec-2012 13:05:29
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 18-Dec-2012 16:43:03 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

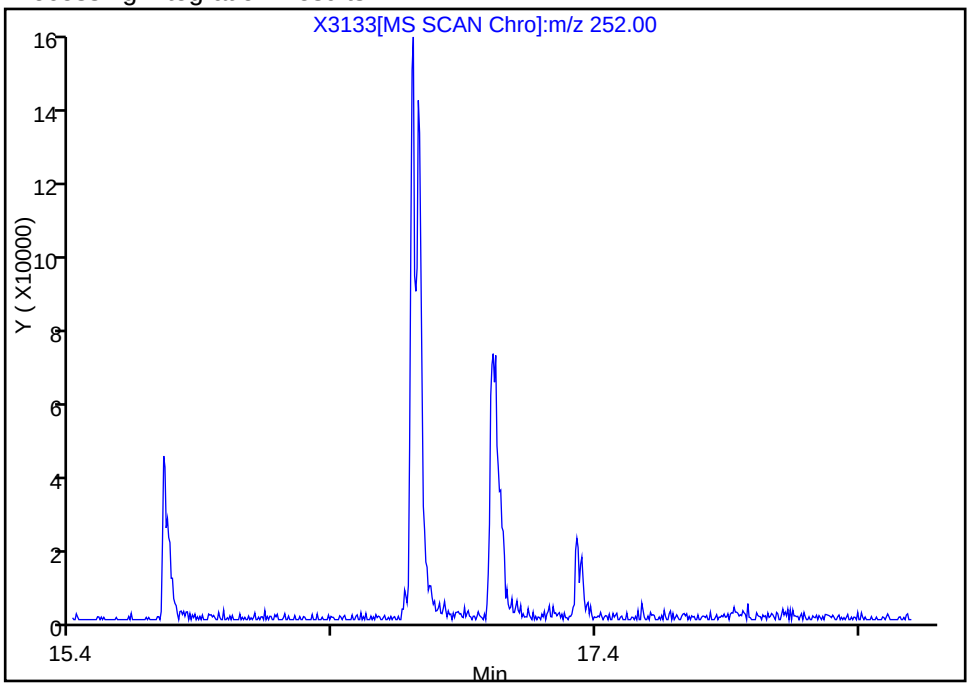
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3133.D		
Injection Date:	18-Dec-2012 12:11:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	4
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

116 Benzo[a]pyrene, Signal: 1, m/z: 252.0 Type: quant, RT: 17.00

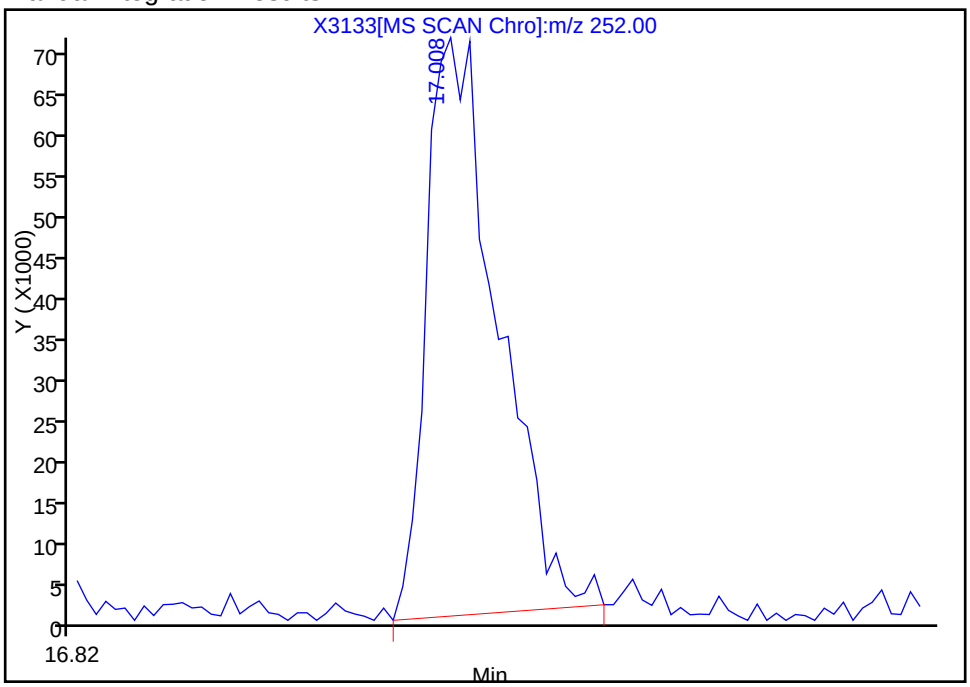
Processing Integration Results

Not Detected
Expected RT: 17.00



Manual Integration Results

RT: 17.01
Response: 174699
Amount: 0.936152



Reviewer: mckernar, 18-Dec-2012 13:05:29
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

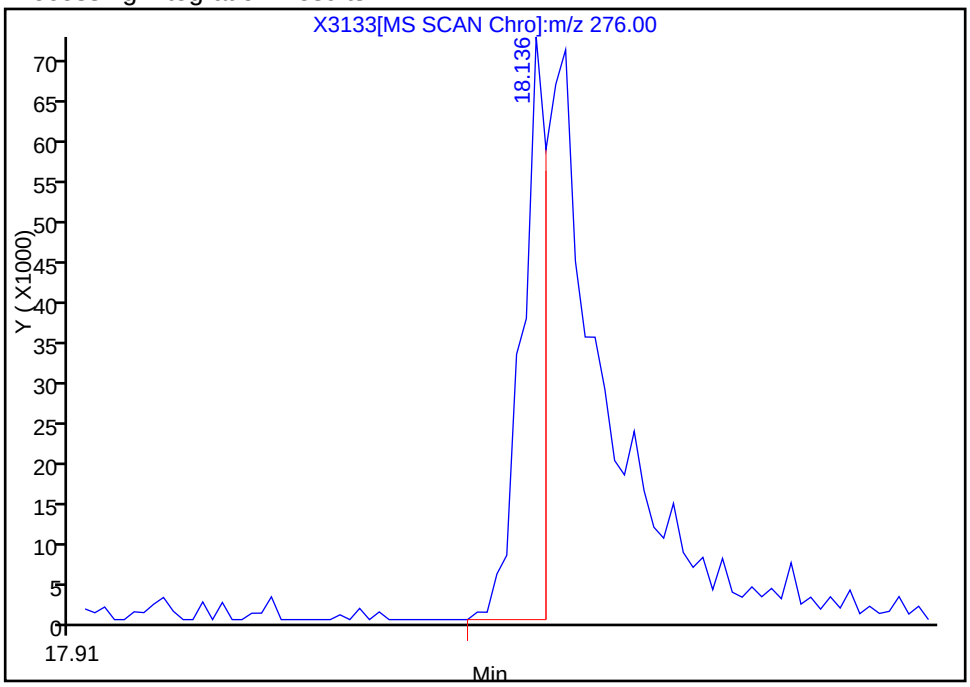
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3133.D		
Injection Date:	18-Dec-2012 12:11:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	4
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

117 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 18.15

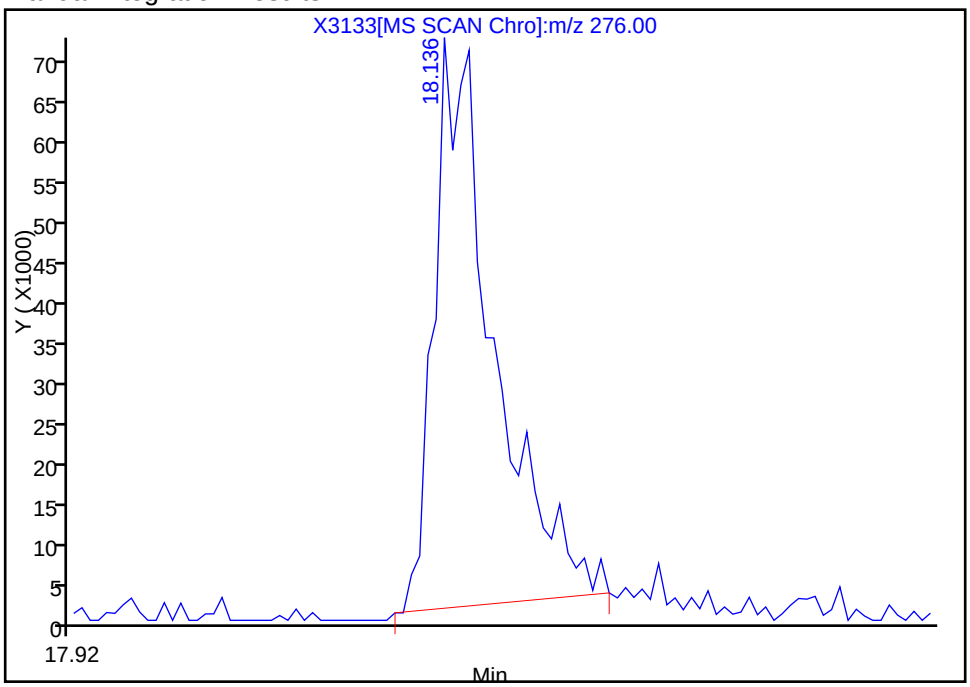
Processing Integration Results

RT: 18.14
Response: 61656
Amount: 0.467301



Manual Integration Results

RT: 18.14
Response: 167625
Amount: 0.841635



Reviewer: mckernar, 18-Dec-2012 13:05:29
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 18-Dec-2012 16:43:03 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

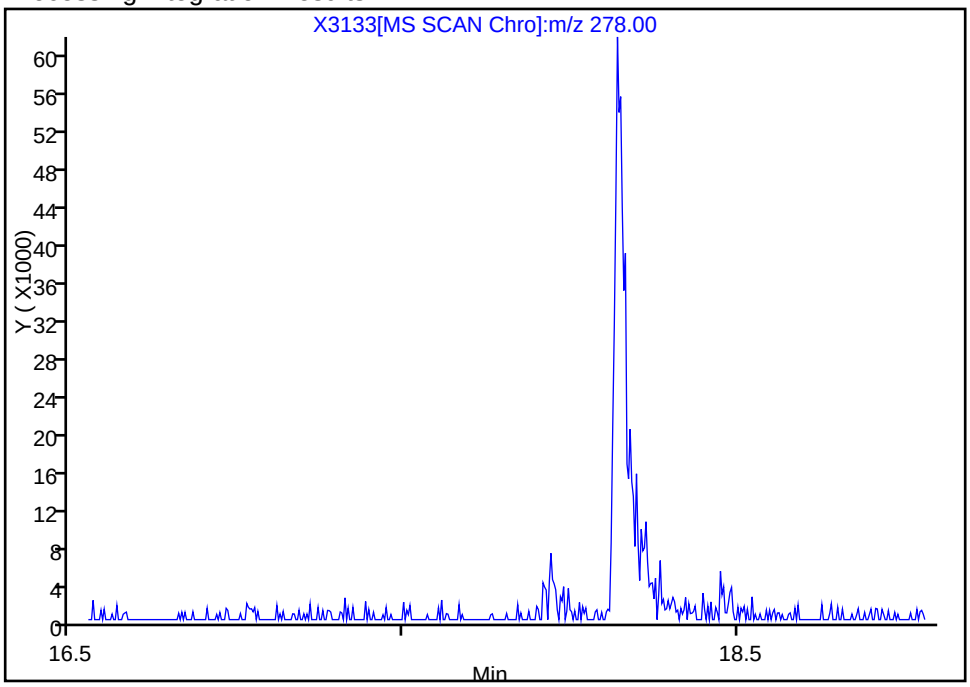
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3133.D		
Injection Date:	18-Dec-2012 12:11:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	4
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

118 Dibenz(a,h)anthracene, Signal: 1, m/z: 278.0 Type: quant, RT: 18.15

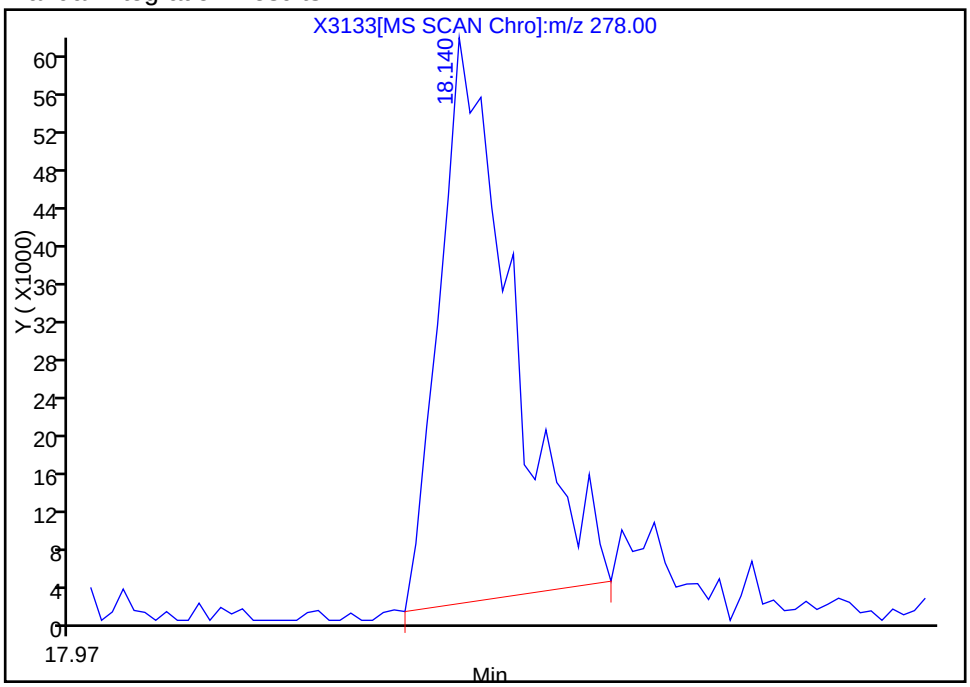
Processing Integration Results

Not Detected
Expected RT: 18.15



Manual Integration Results

RT: 18.14
Response: 129231
Amount: 0.764516



Reviewer: mckernar, 18-Dec-2012 13:05:29
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 18-Dec-2012 16:43:04 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

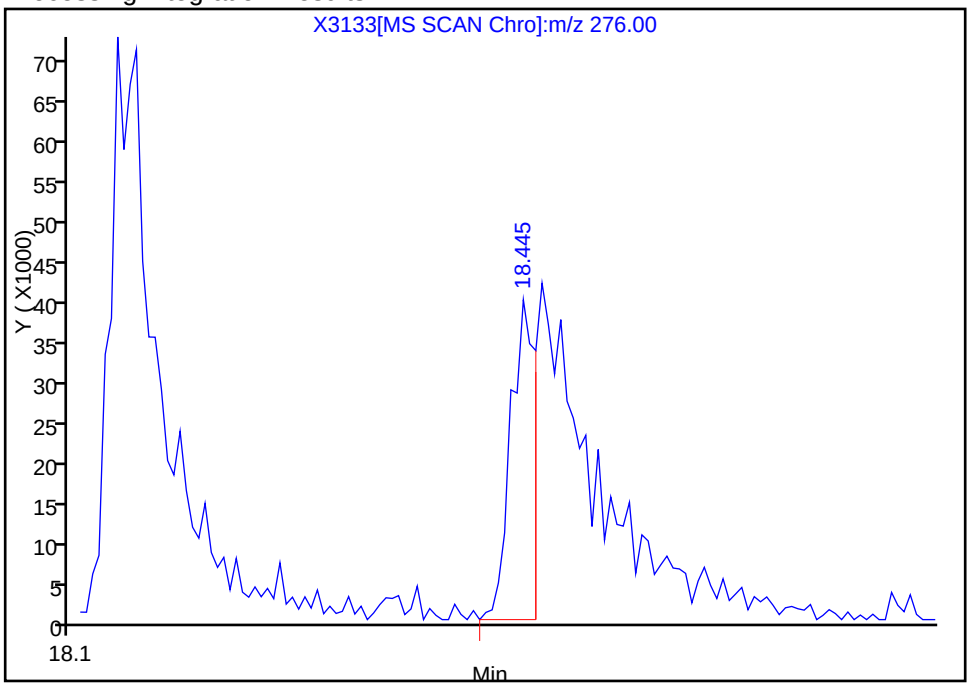
TestAmerica Buffalo

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

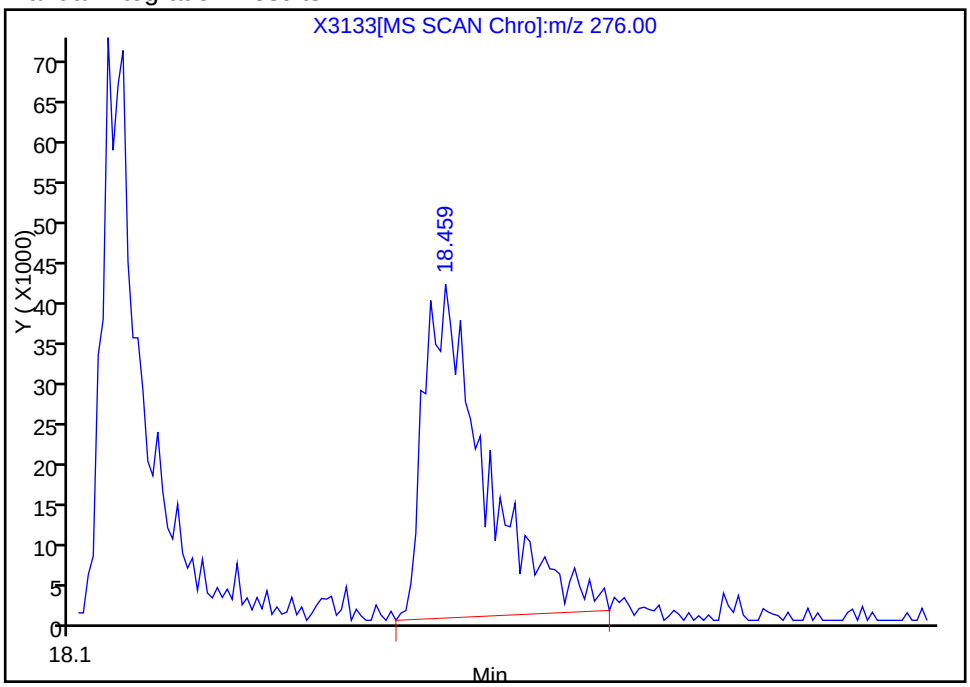
Processing Integration Results

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					

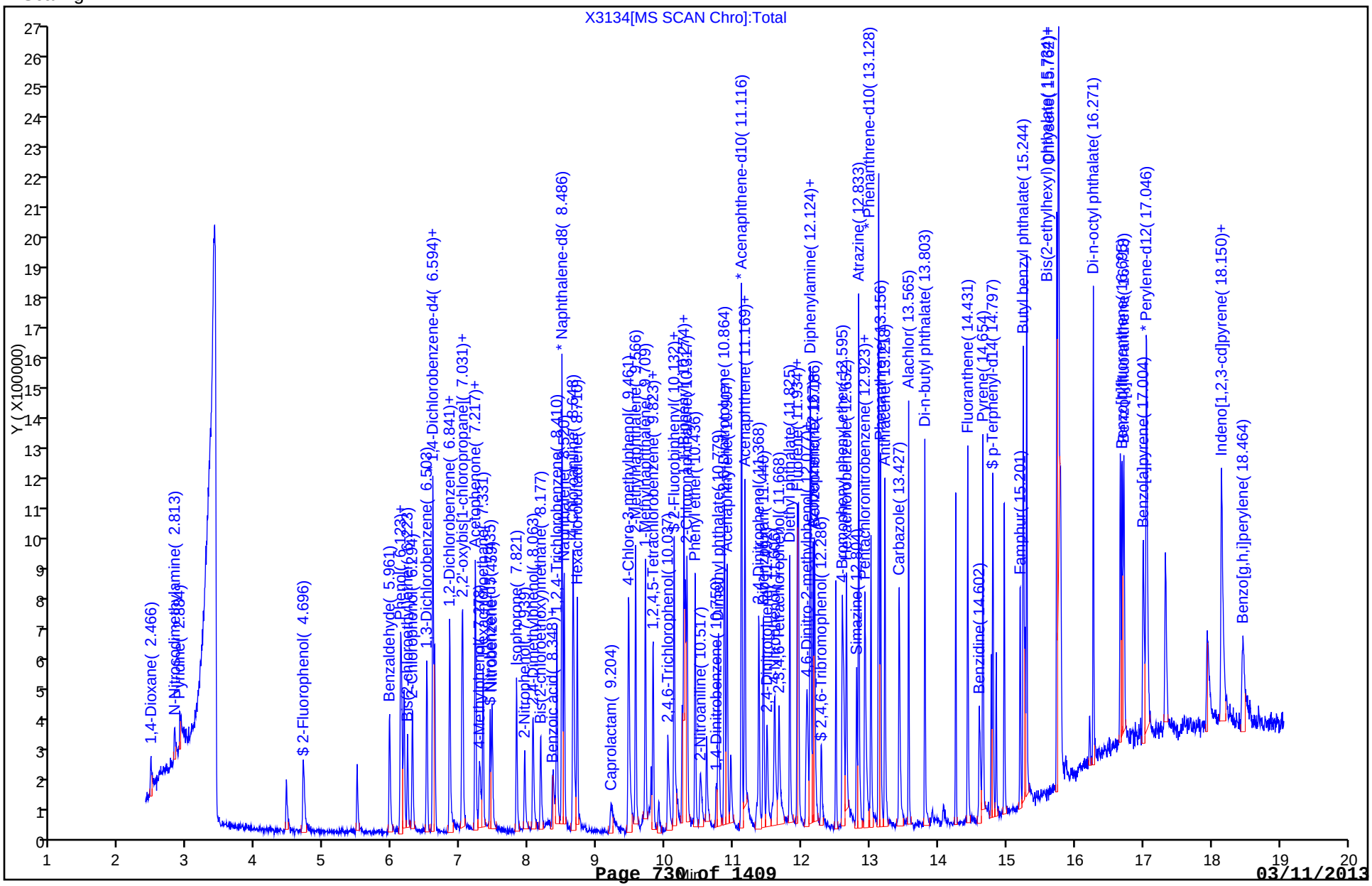
QC Flag Legend

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

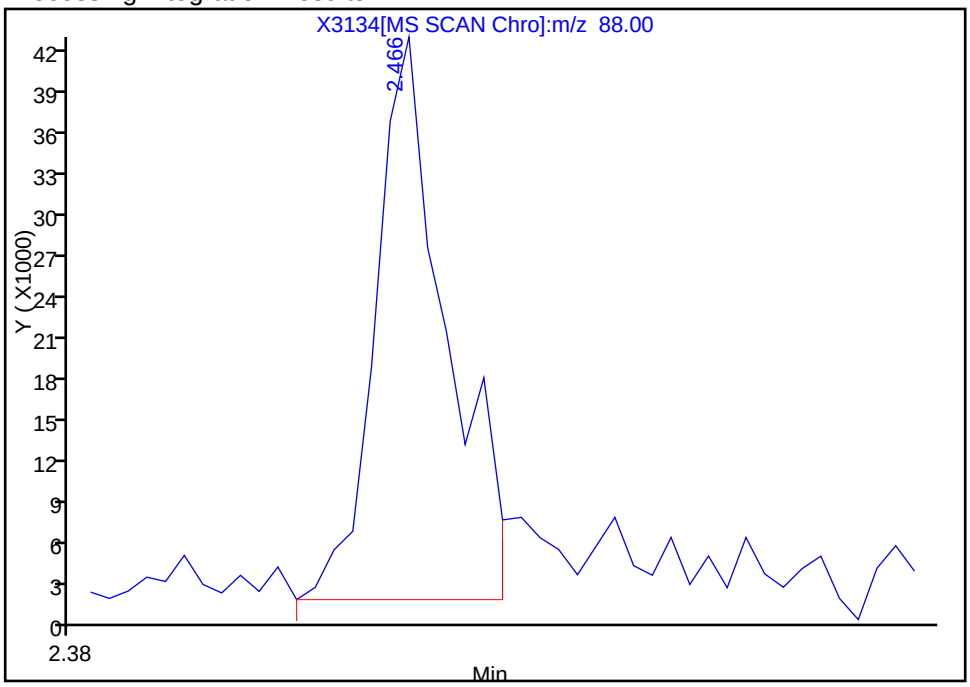
TestAmerica Buffalo

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

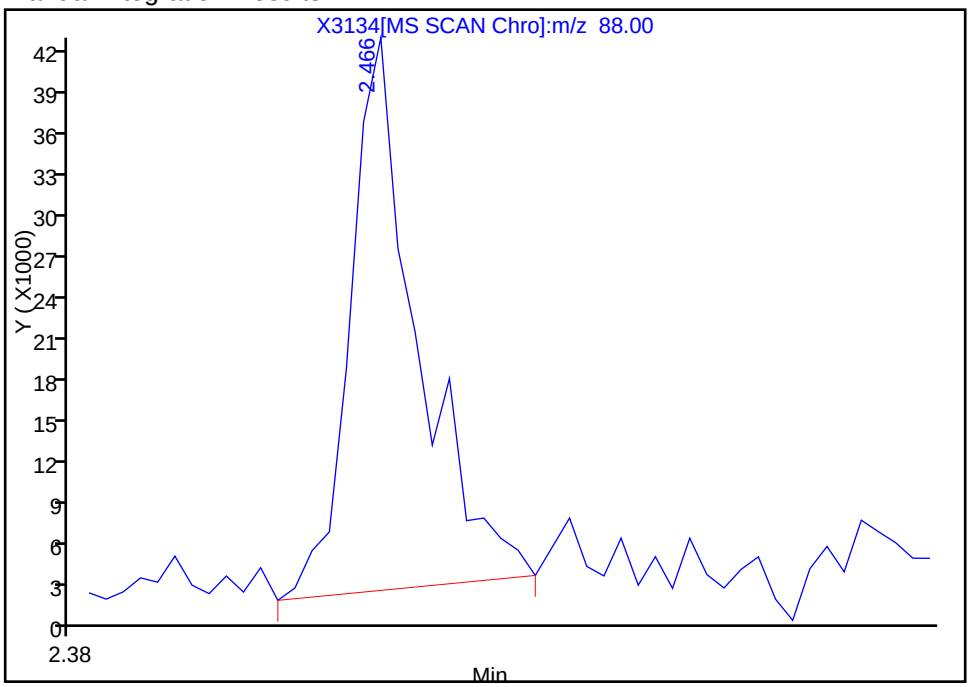
Processing Integration Results

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

Report Date: 18-Dec-2012 16:43:07 Chrom Revision: 2.0 22-Oct-2012 16:30:48

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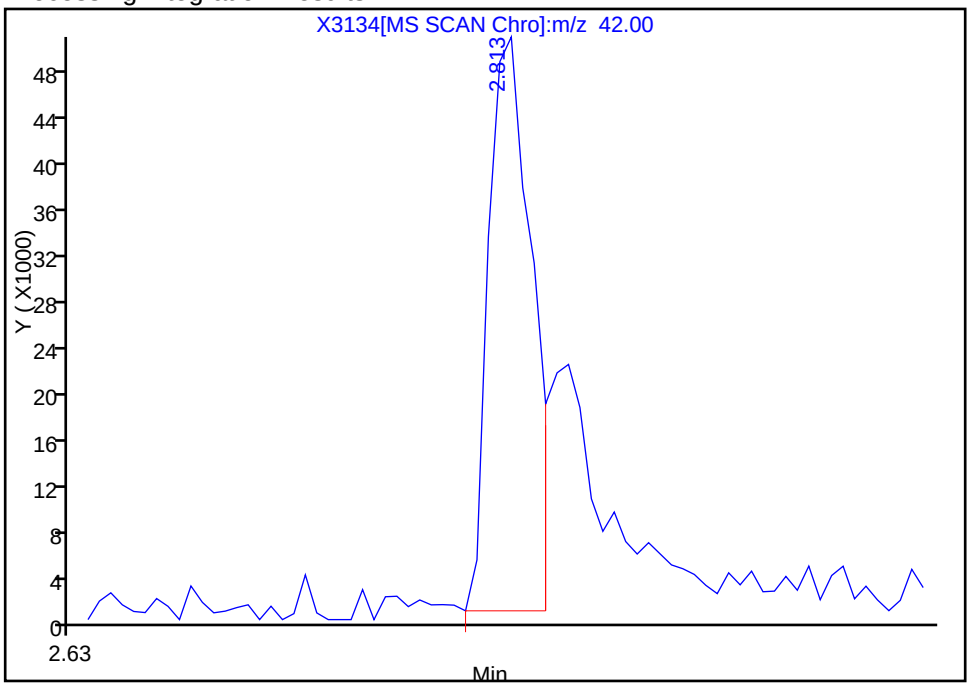
Injection Date:	18-Dec-2012 12:36:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	5
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

19 N-Nitrosodimethylamine, Signal: 1, m/z: 42.0 Type: quant, RT: 2.81

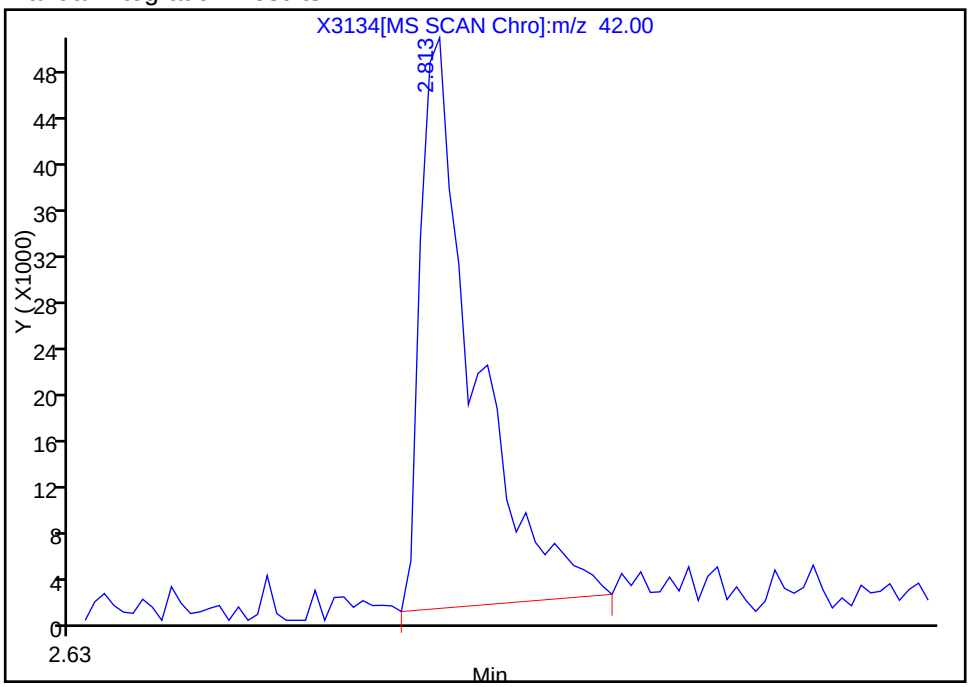
Processing Integration Results

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
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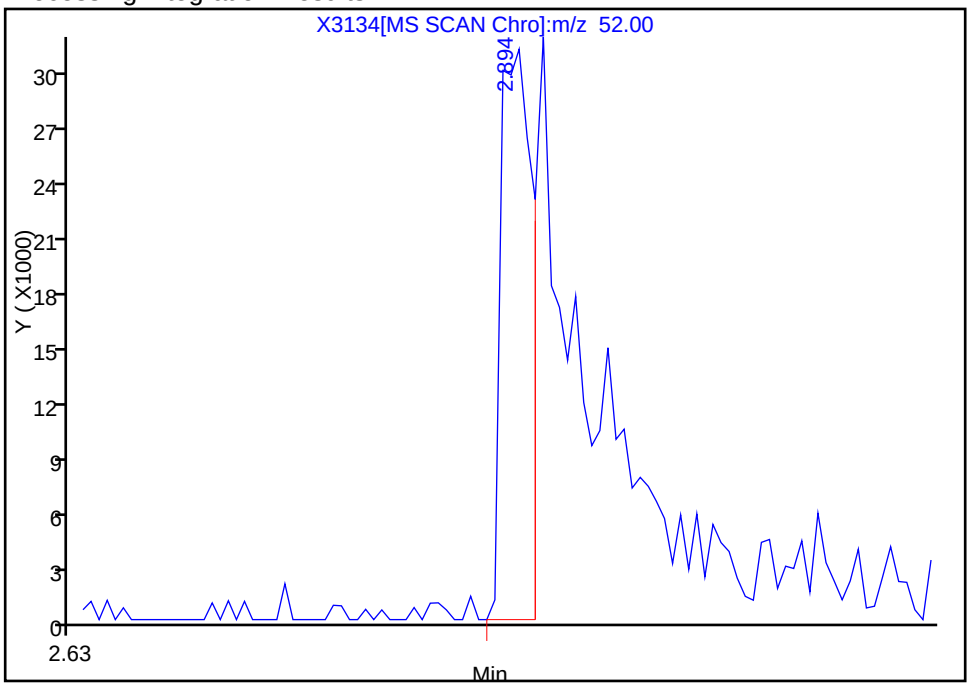
Injection Date:	18-Dec-2012 12:36:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	5
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

20 Pyridine, Signal: 1, m/z: 52.0 Type: quant, RT: 2.91

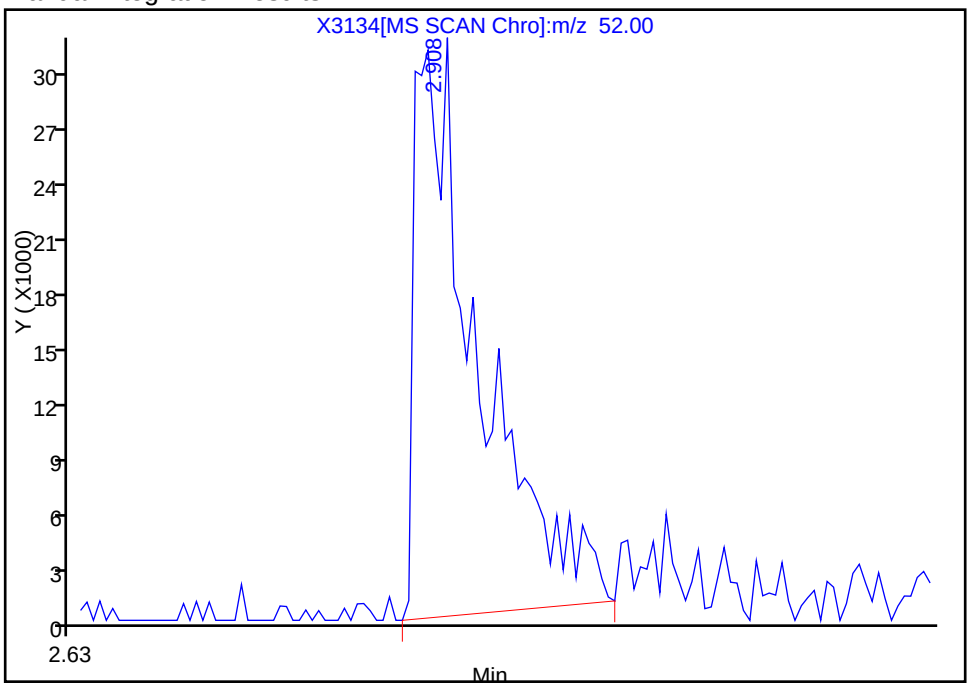
Processing Integration Results

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
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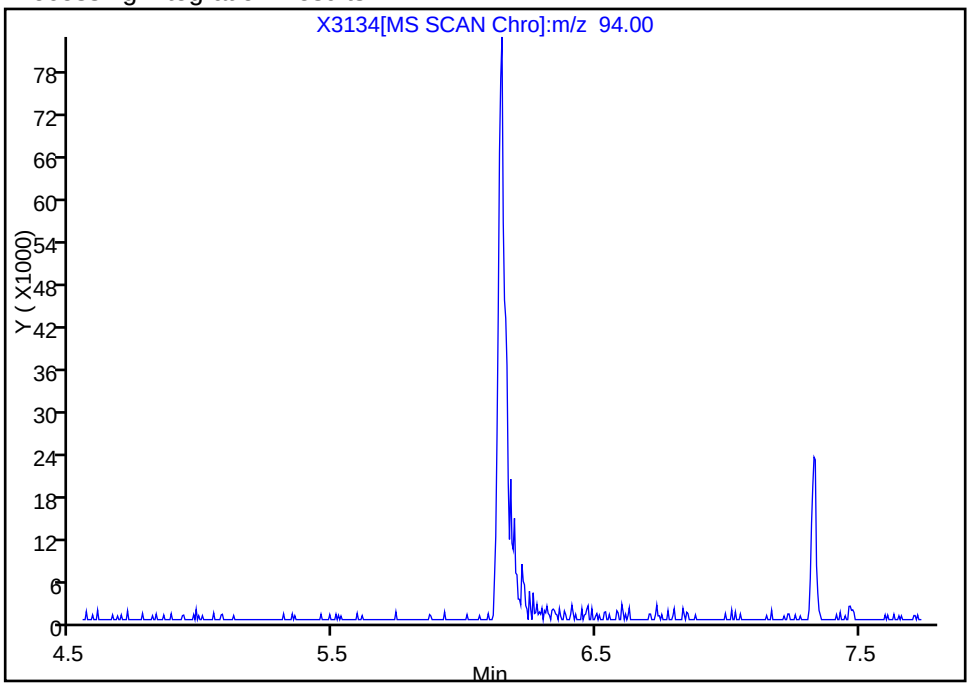
Injection Date:	18-Dec-2012 12:36:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	5
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

22 Phenol, Signal: 1, m/z: 94.0 Type: quant, RT: 6.14

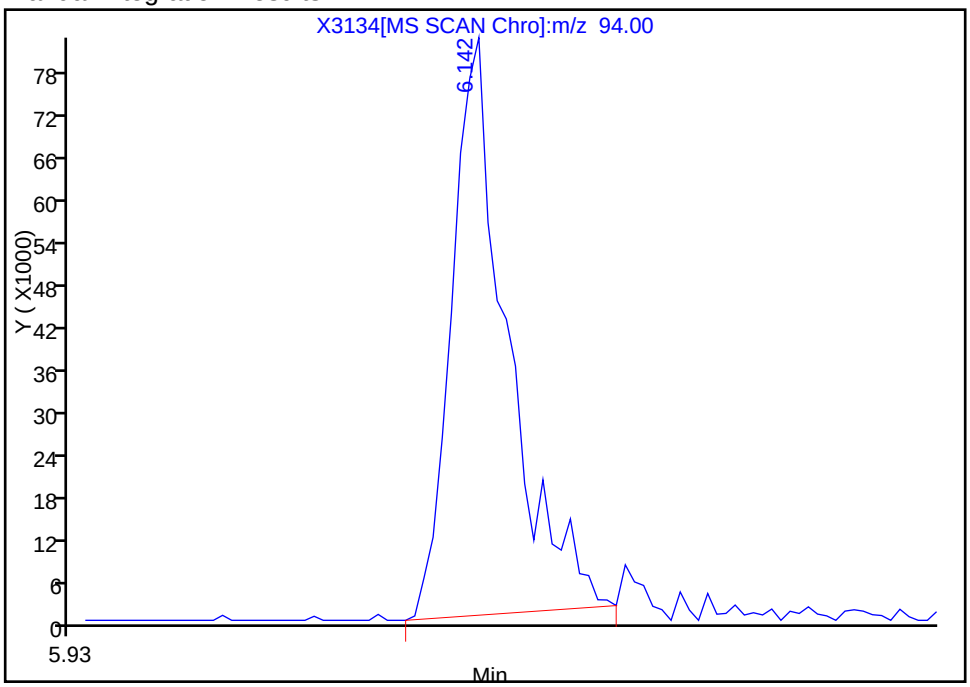
Processing Integration Results

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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Manual Integration/User Assign Peak Report

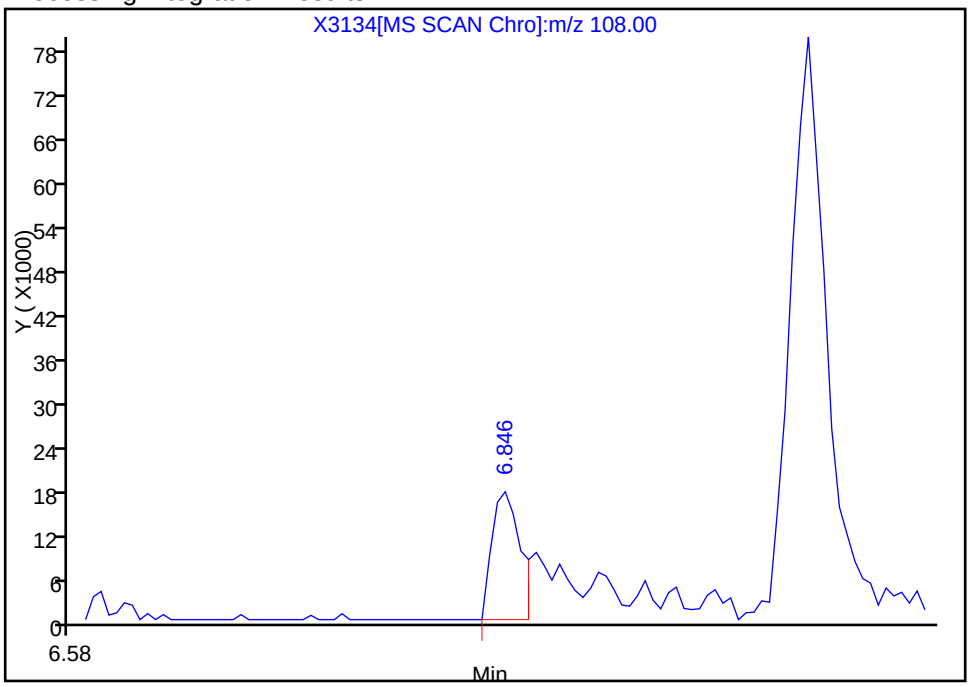
TestAmerica Buffalo

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

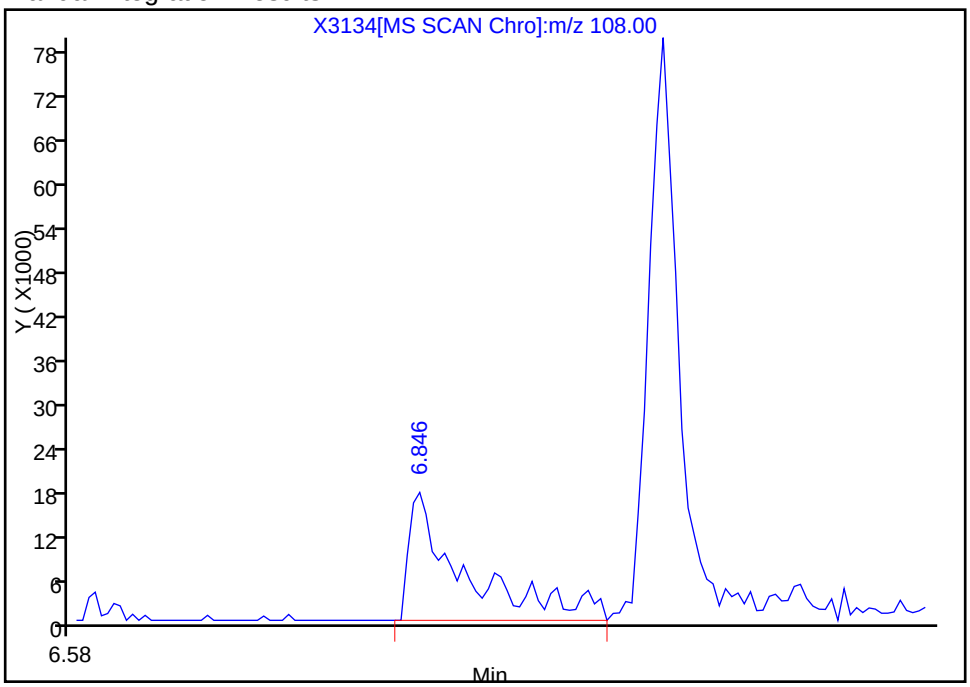
Processing Integration Results

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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Manual Integration/User Assign Peak Report

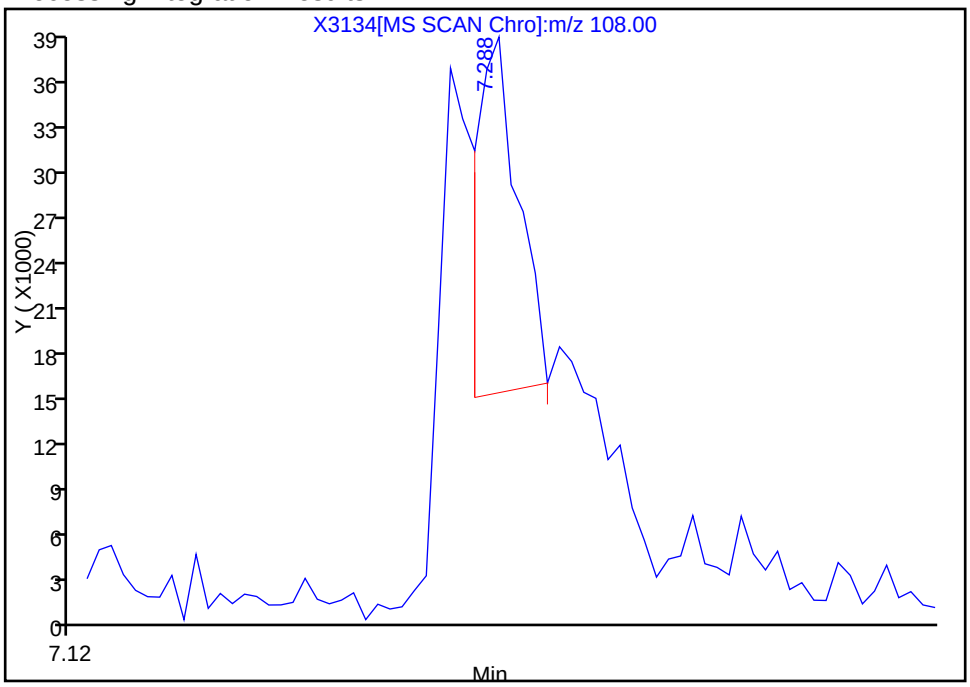
TestAmerica Buffalo

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

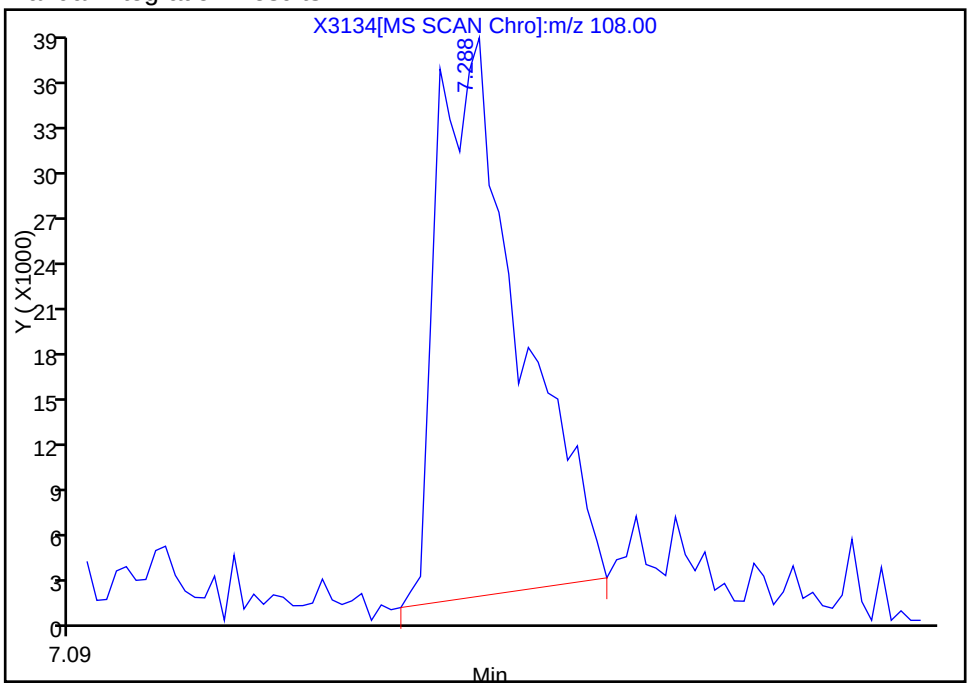
Processing Integration Results

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
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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

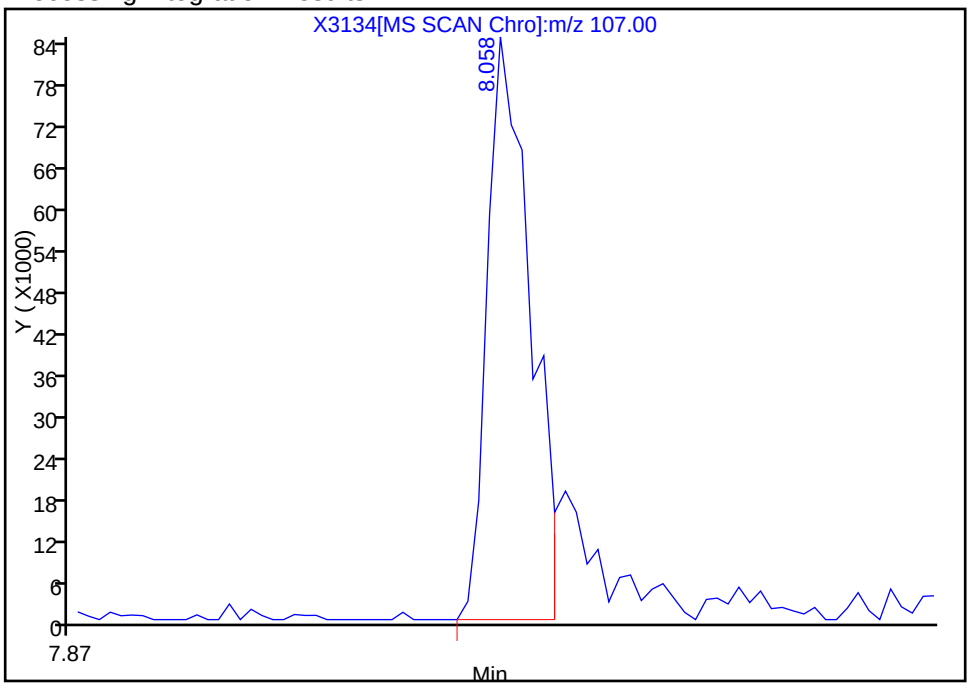
TestAmerica Buffalo

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

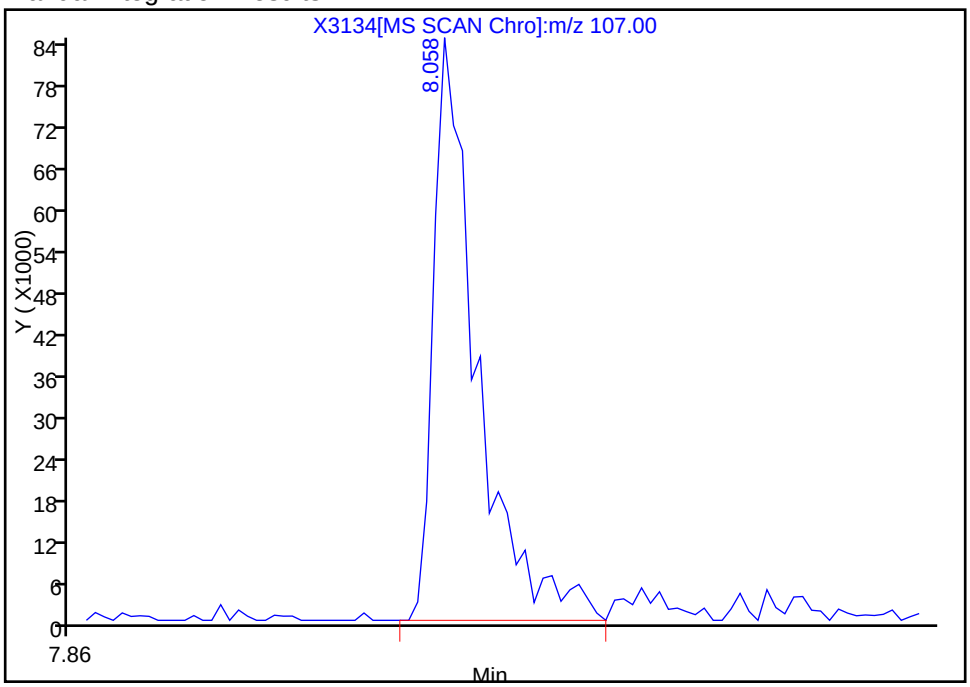
Processing Integration Results

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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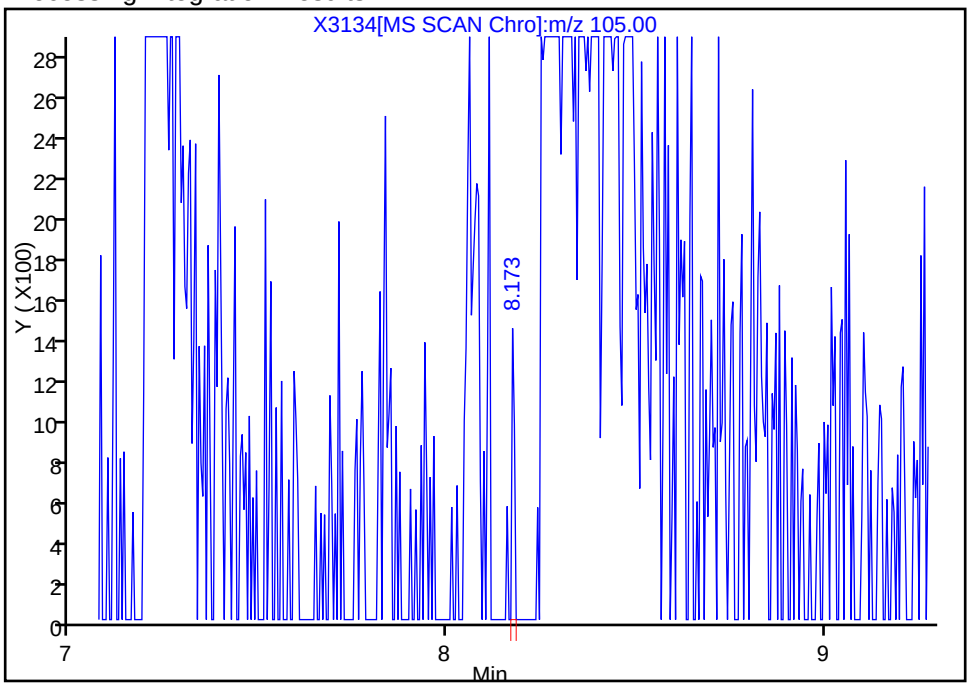
TestAmerica Buffalo

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

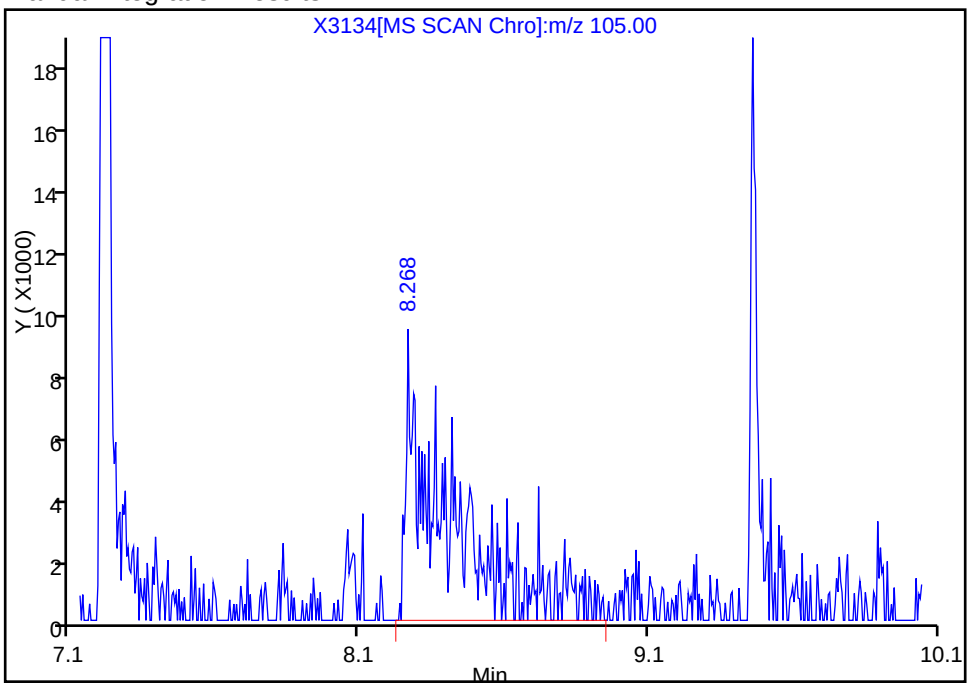
Processing Integration Results

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
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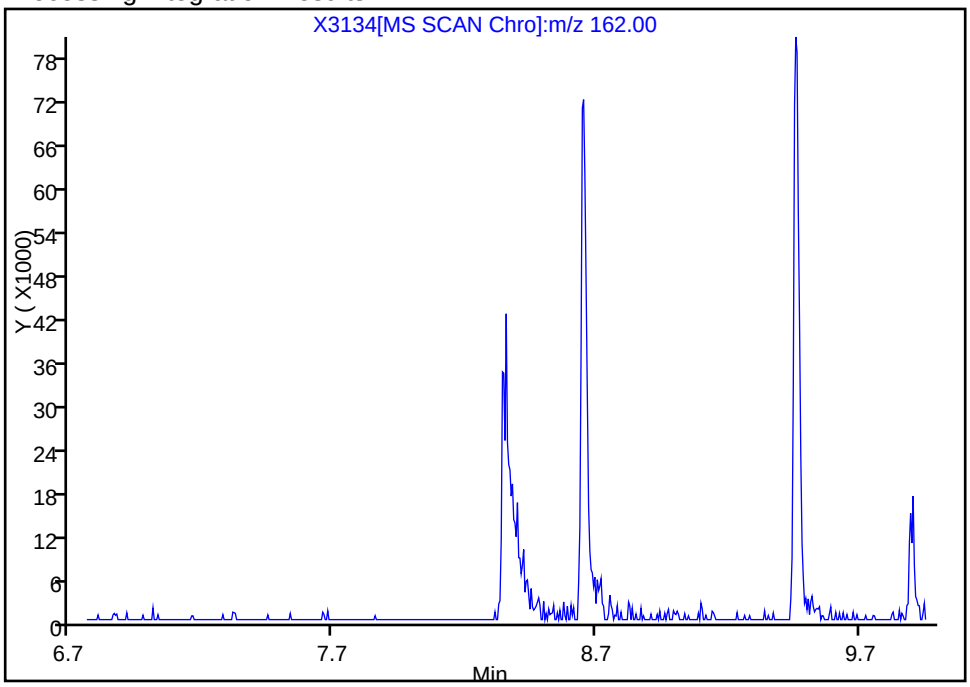
TestAmerica Buffalo

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

47 2,4-Dichlorophenol, Signal: 1, m/z: 162.0 Type: quant, RT: 8.36

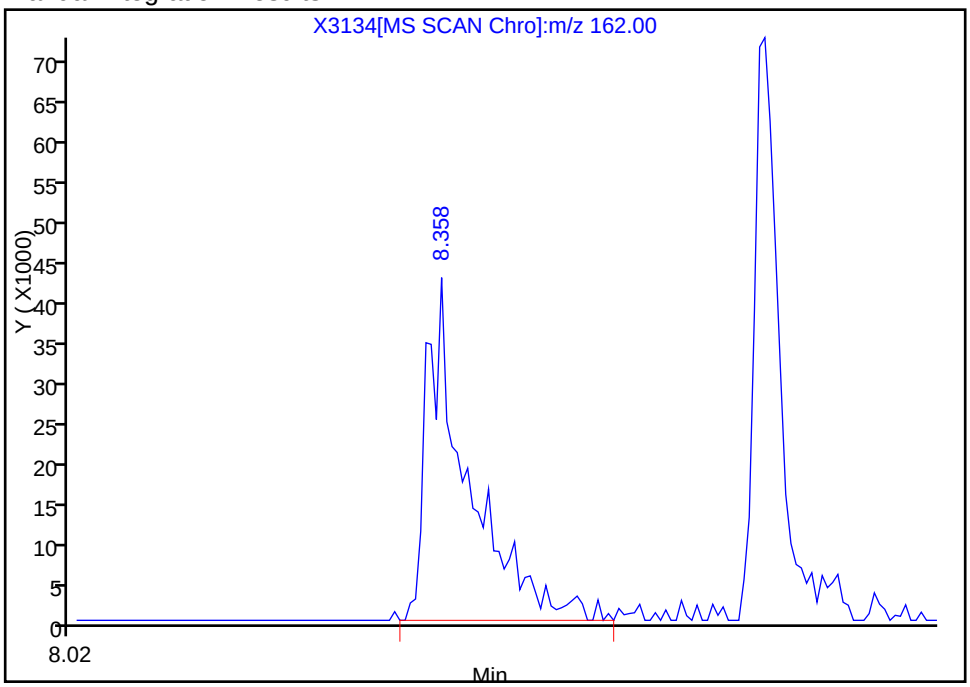
Processing Integration Results

Not Detected
Expected RT: 8.36



Manual Integration Results

RT: 8.36
Response: 111825
Amount: 2.646644



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TestAmerica Buffalo

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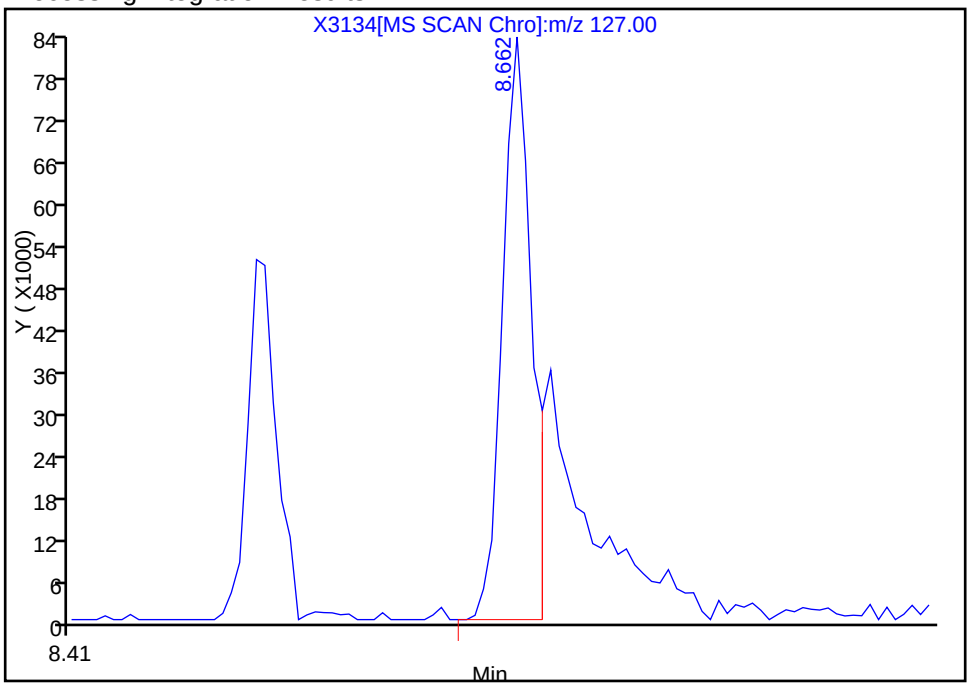
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	5
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

51 4-Chloroaniline, Signal: 1, m/z: 127.0 Type: quant, RT: 8.66

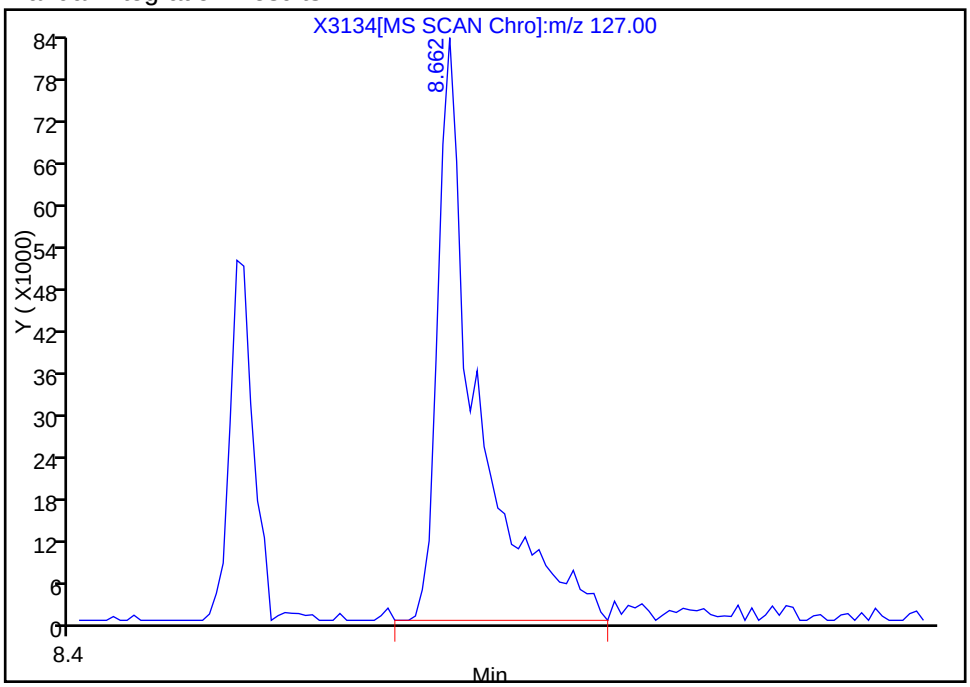
Processing Integration Results

RT: 8.66
Response: 96462
Amount: 2.213314



Manual Integration Results

RT: 8.66
Response: 156755
Amount: 2.516281



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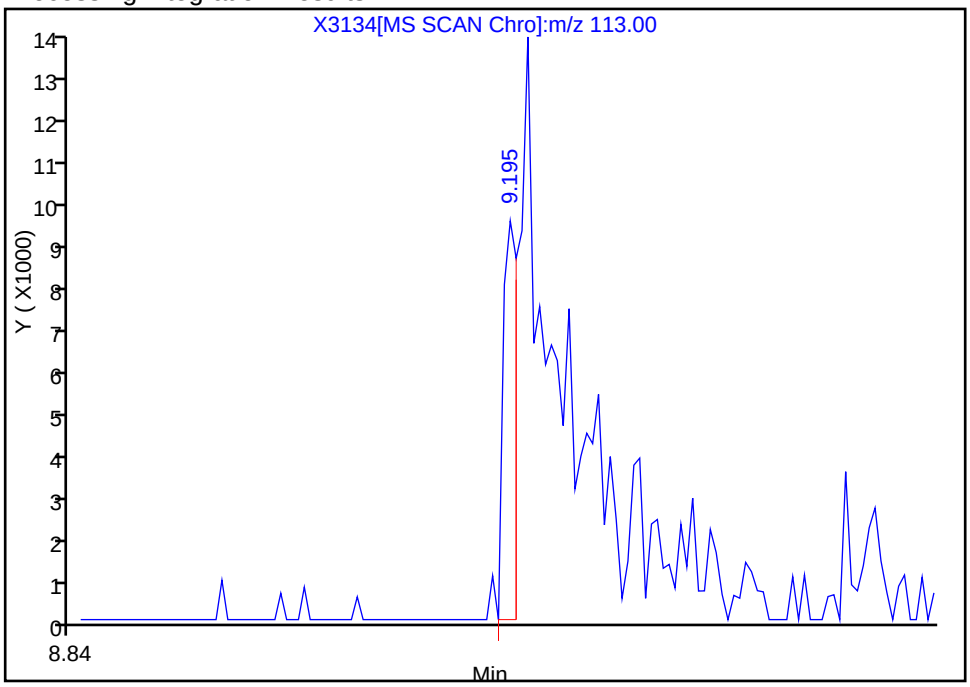
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	5
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

54 Caprolactam, Signal: 1, m/z: 113.0 Type: quant, RT: 9.21

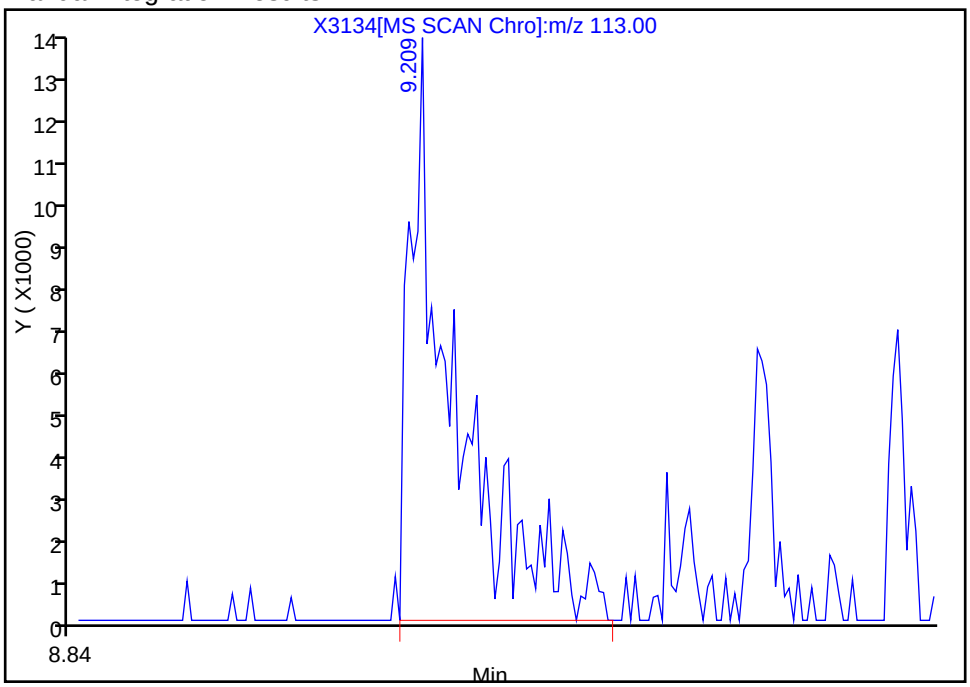
Processing Integration Results

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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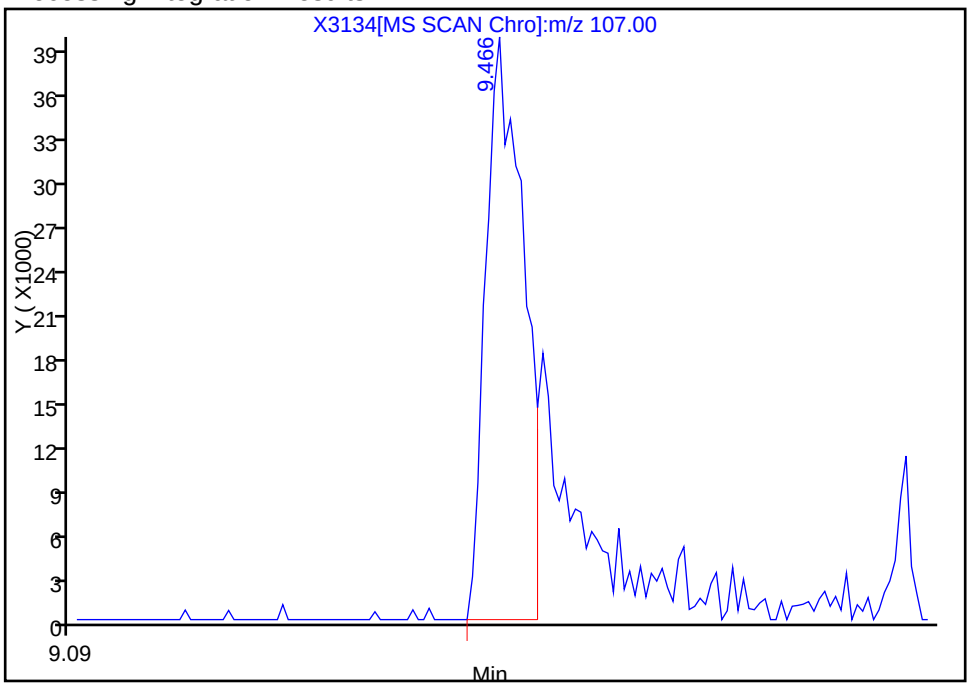
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	5
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

55 4-Chloro-3-methylphenol, Signal: 1, m/z: 107.0 Type: quant, RT: 9.47

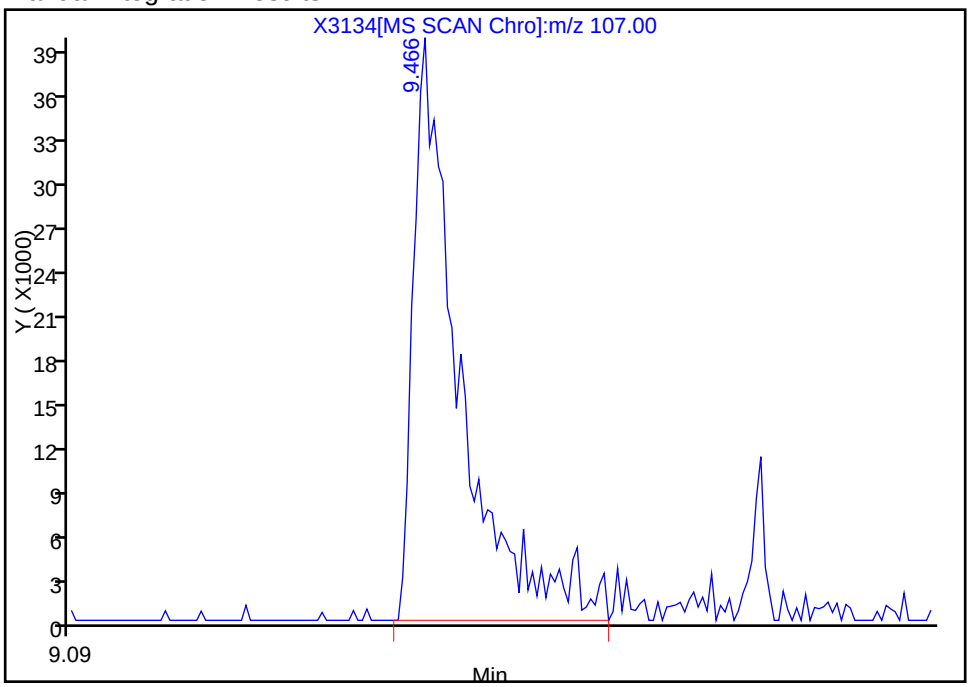
Processing Integration Results

RT: 9.47
Response: 90216
Amount: 2.671238



Manual Integration Results

RT: 9.47
Response: 135114
Amount: 2.894491



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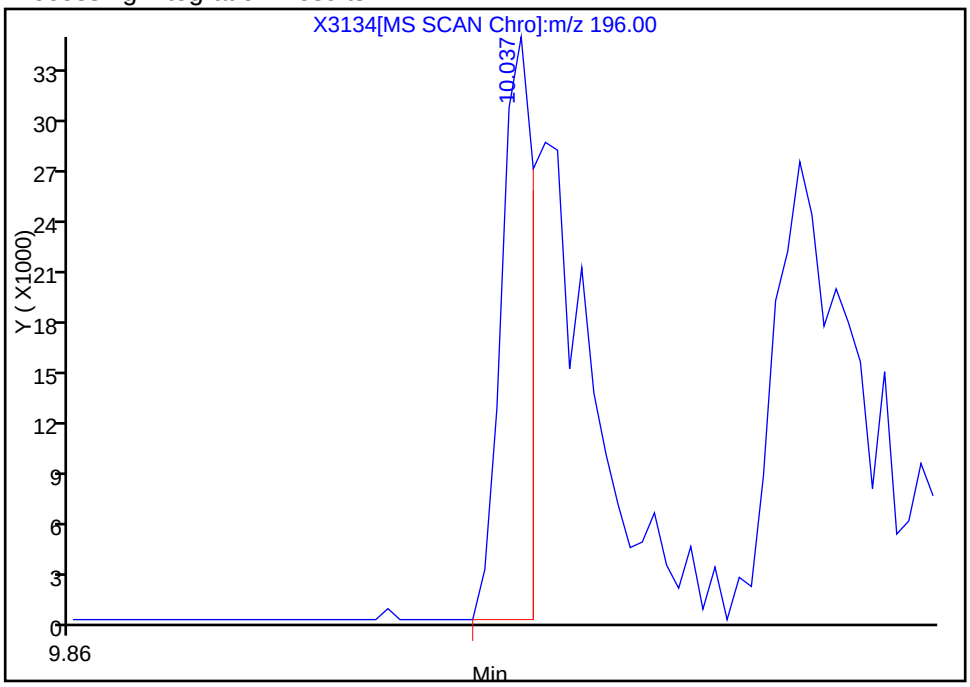
Lims Batch ID:	96347	Lims Sample ID:	5
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

60 2,4,6-Trichlorophenol, Signal: 1, m/z: 196.0 Type: quant, RT: 10.04

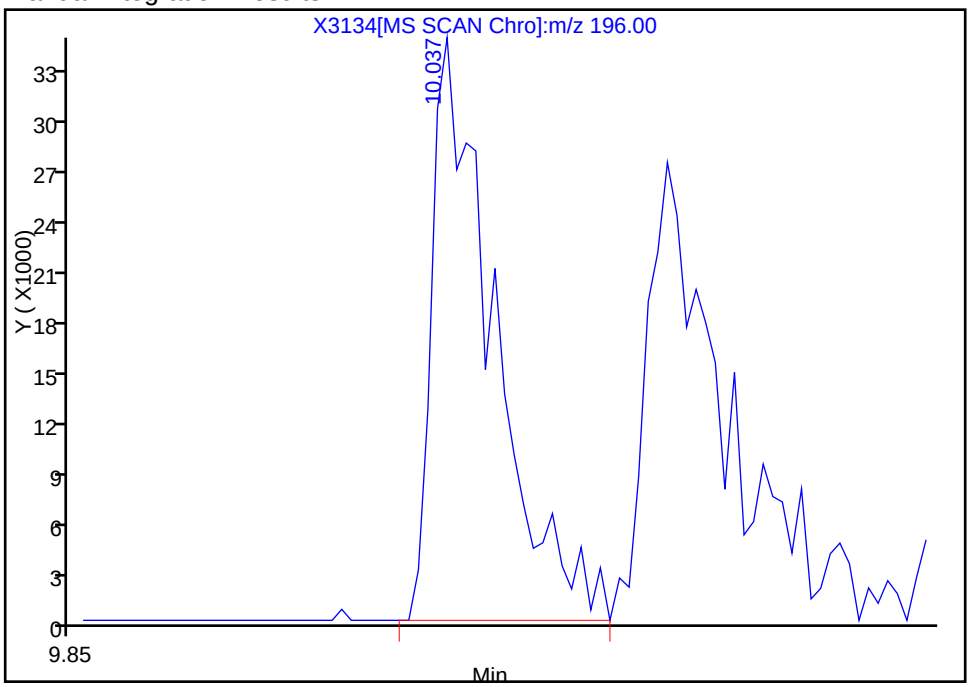
Processing Integration Results

RT: 10.04
Response: 30332
Amount: 1.700010



Manual Integration Results

RT: 10.04
Response: 72851
Amount: 2.532730



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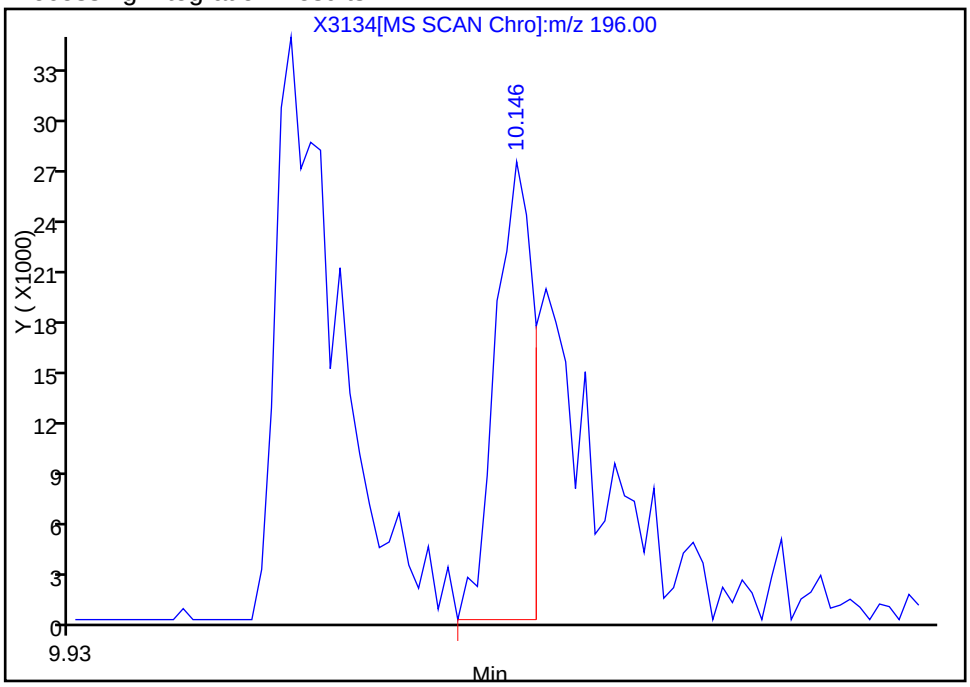
Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3134.D		
Injection Date:	18-Dec-2012 12:36:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	5
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

61 2,4,5-Trichlorophenol, Signal: 1, m/z: 196.0 Type: quant, RT: 10.15

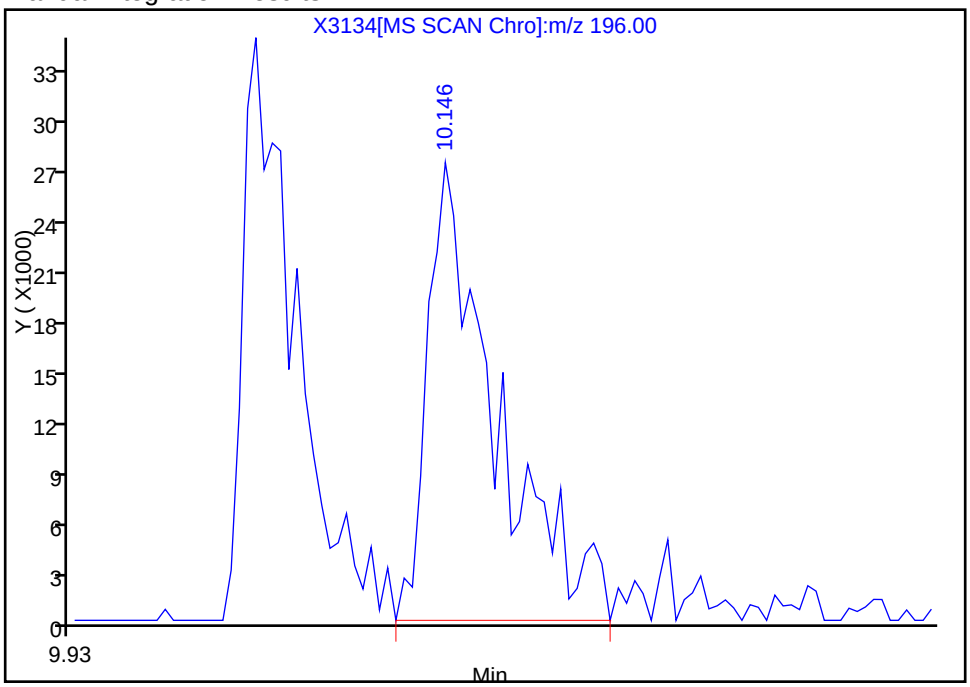
Processing Integration Results

RT: 10.15
Response: 34613
Amount: 1.586065



Manual Integration Results

RT: 10.15
Response: 73198
Amount: 2.630685



Reviewer: mckernar, 18-Dec-2012 13:08:06
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 18-Dec-2012 16:43:07 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

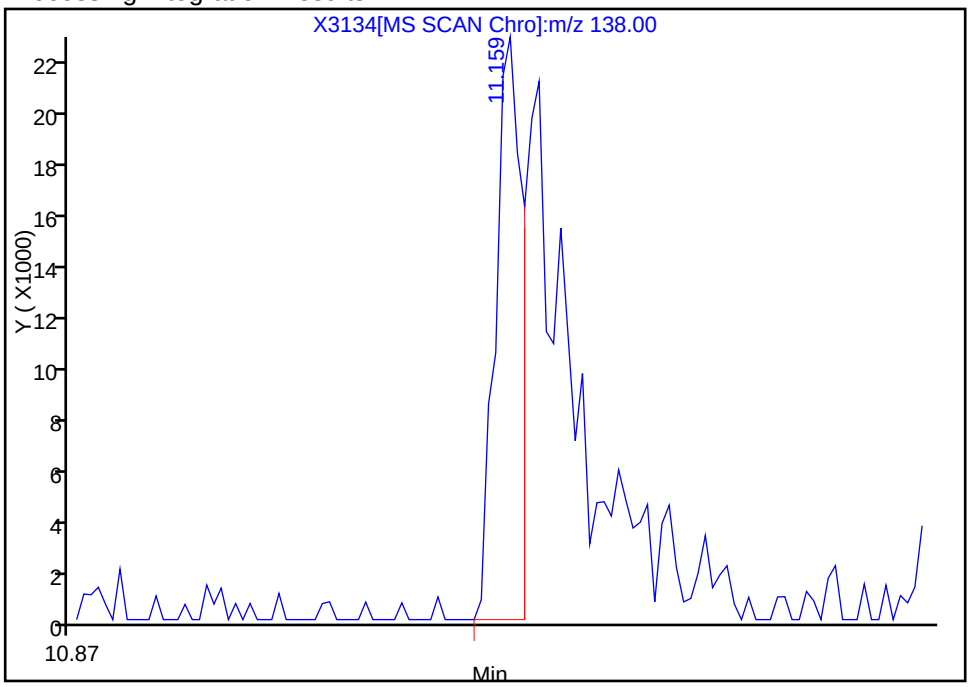
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3134.D		
Injection Date:	18-Dec-2012 12:36:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96347	Lims Sample ID:	5
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

70 3-Nitroaniline, Signal: 1, m/z: 138.0 Type: quant, RT: 11.16

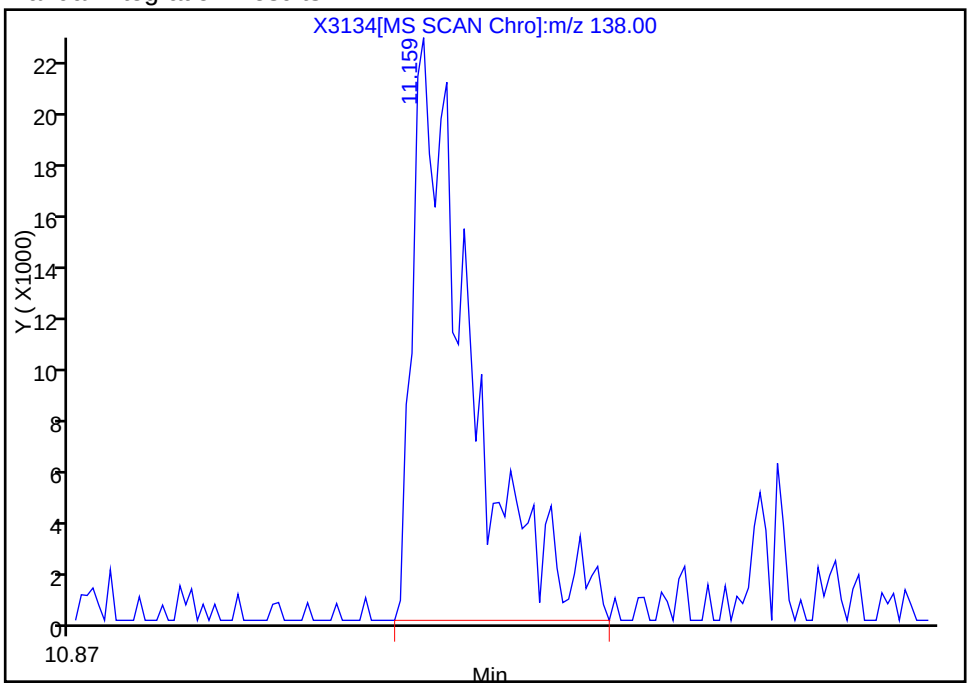
Processing Integration Results

RT: 11.16
Response: 27641
Amount: 2.500000



Manual Integration Results

RT: 11.16
Response: 74904
Amount: 2.581023



Reviewer: mckernar, 18-Dec-2012 13:08:06
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

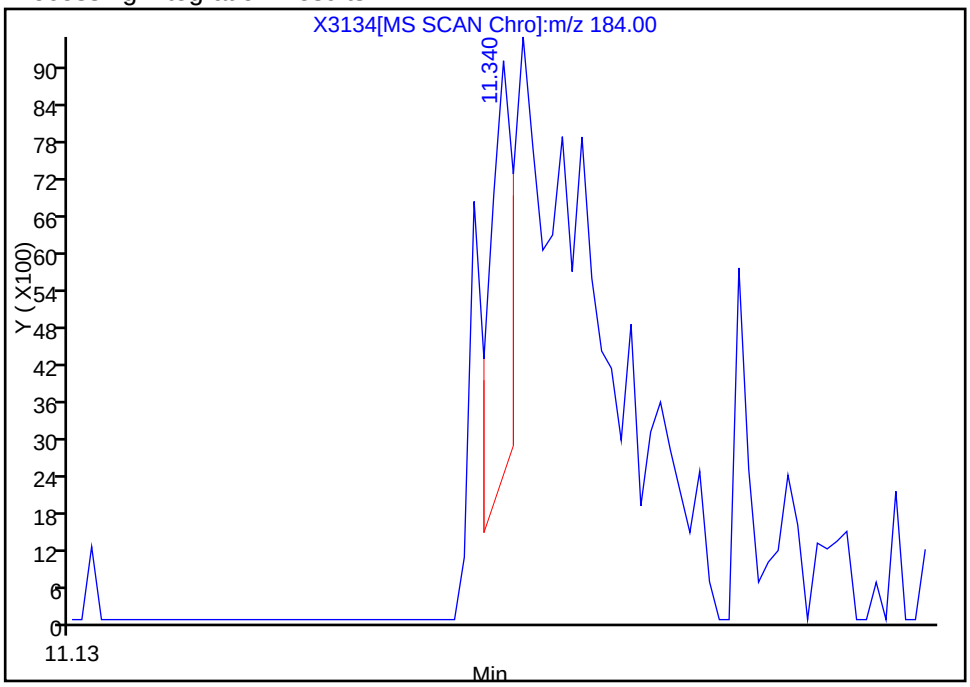
TestAmerica Buffalo

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

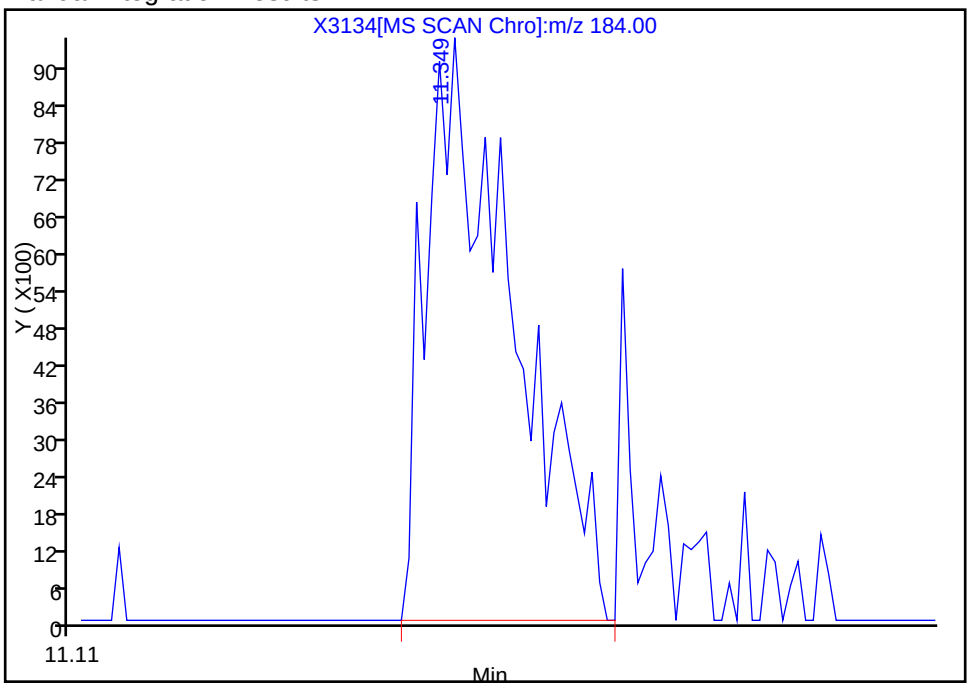
Processing Integration Results

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

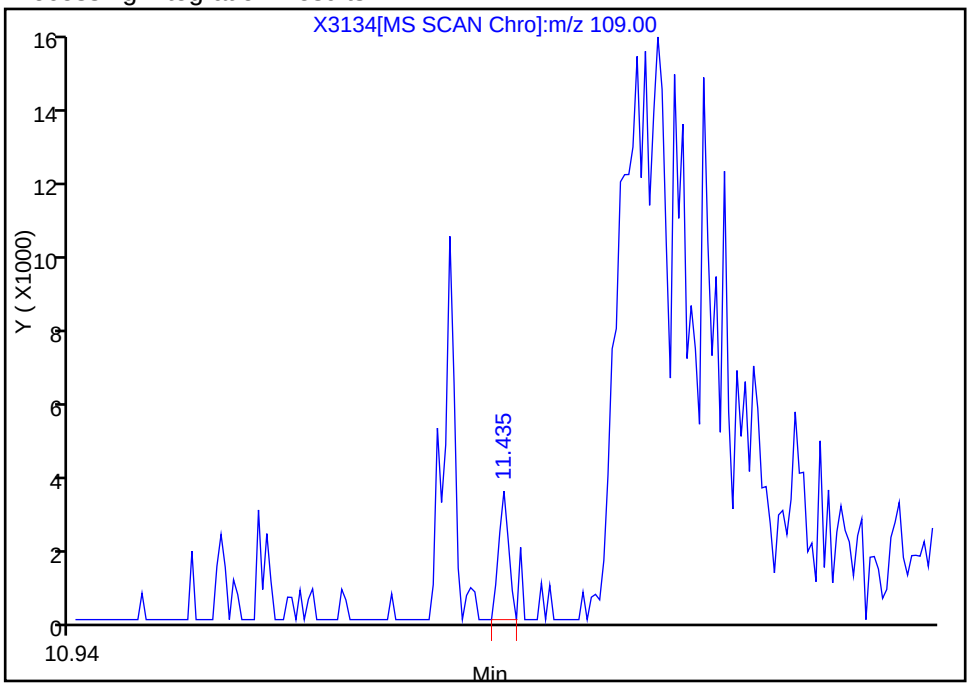
TestAmerica Buffalo

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

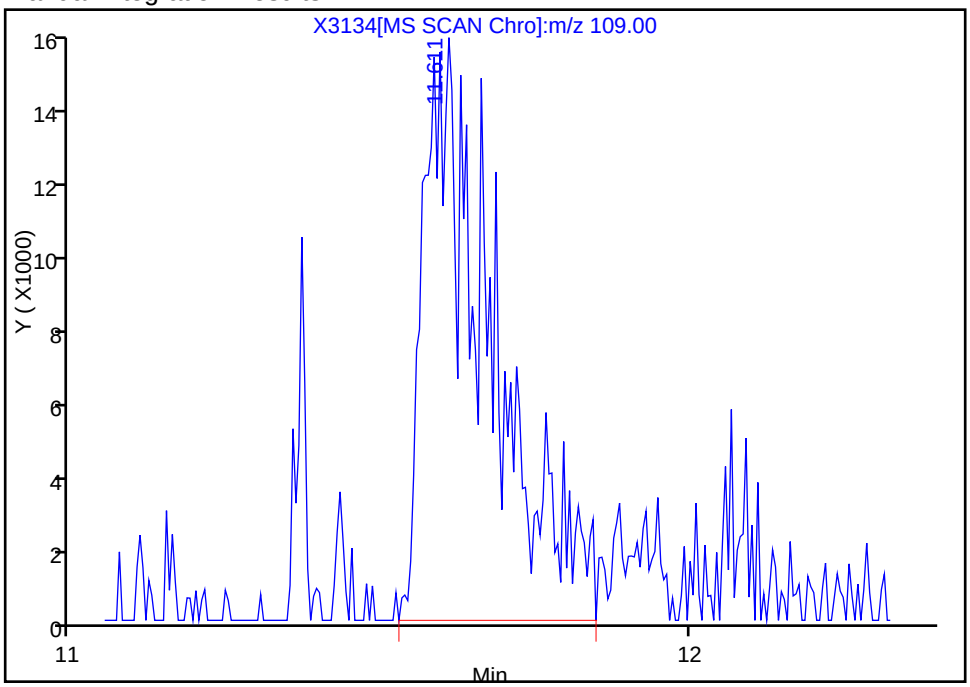
Processing Integration Results

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

Report Date: 18-Dec-2012 16:43:07 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Manual Integration/User Assign Peak Report

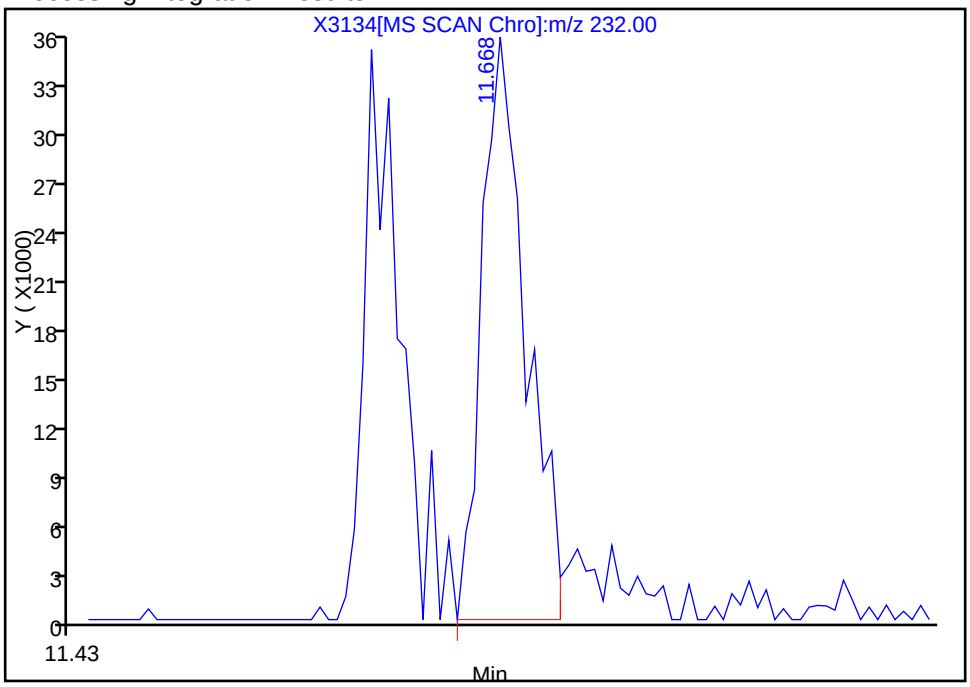
TestAmerica Buffalo

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

76 2,3,4,6-Tetrachlorophenol, Signal: 1, m/z: 232.0 Type: quant, RT: 11.67

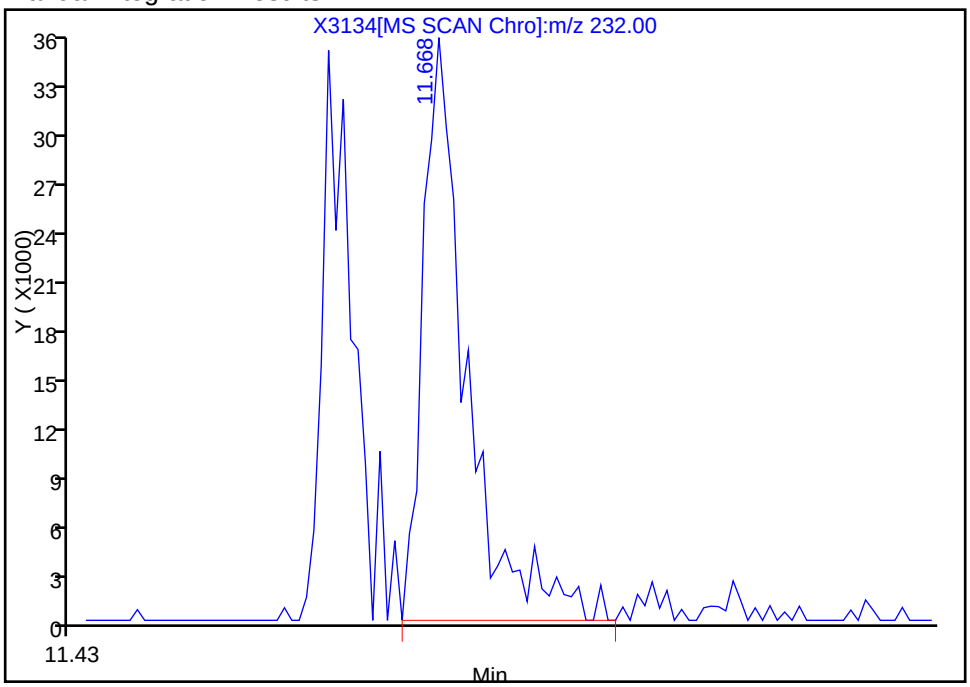
Processing Integration Results

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

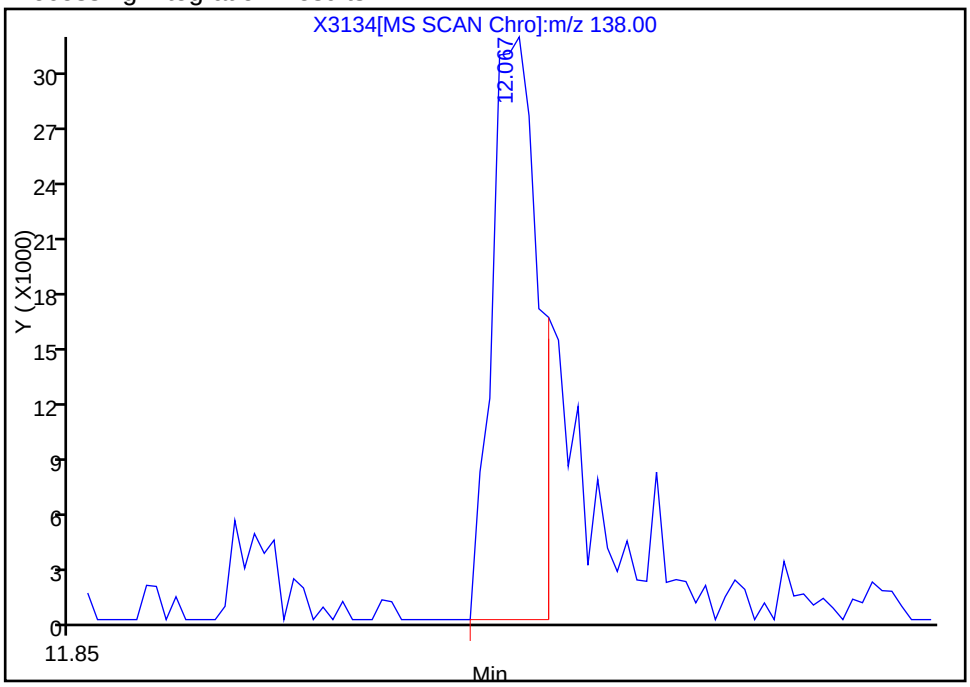
TestAmerica Buffalo

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

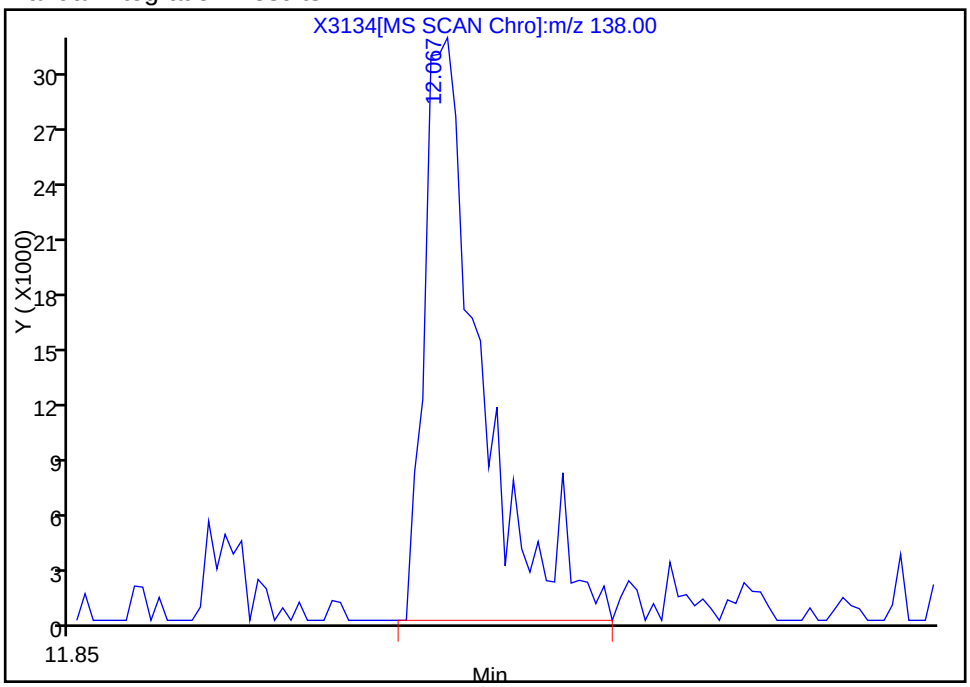
Processing Integration Results

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

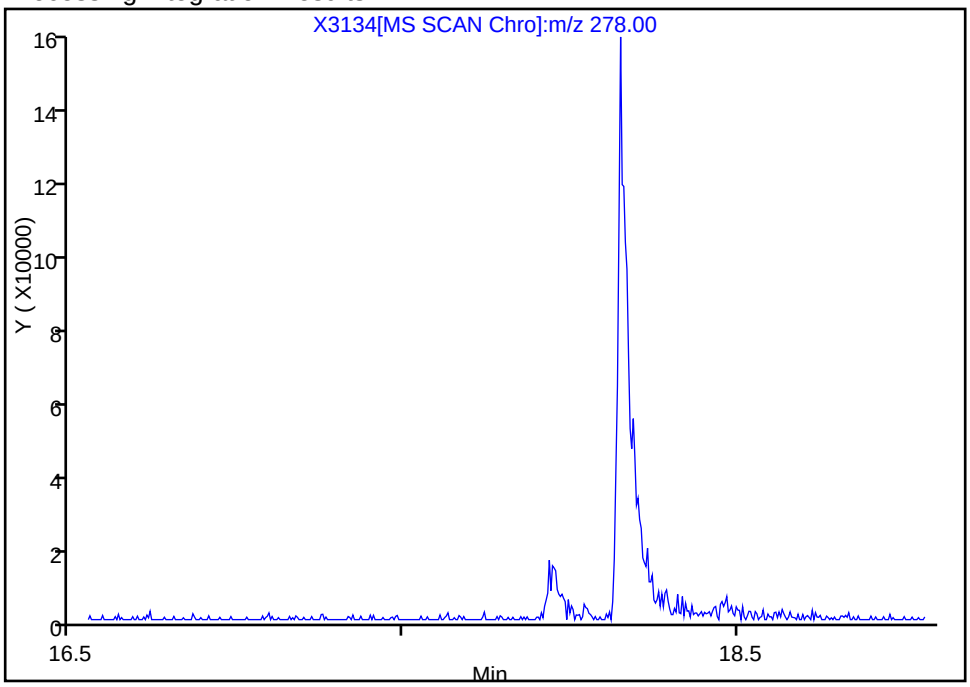
TestAmerica Buffalo

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

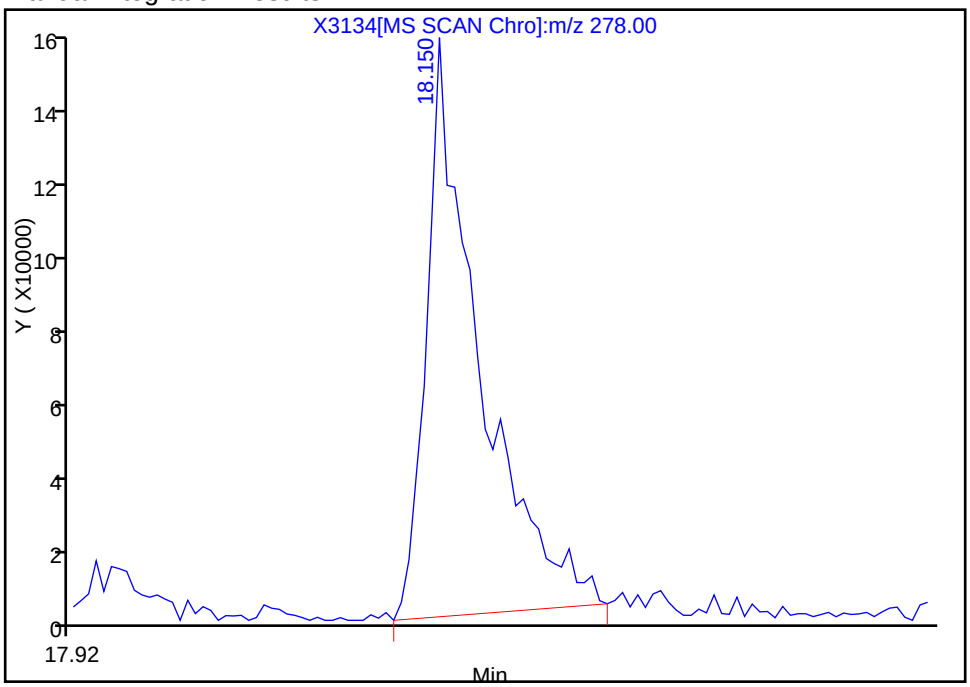
Processing Integration Results

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

Manual Integration/User Assign Peak Report

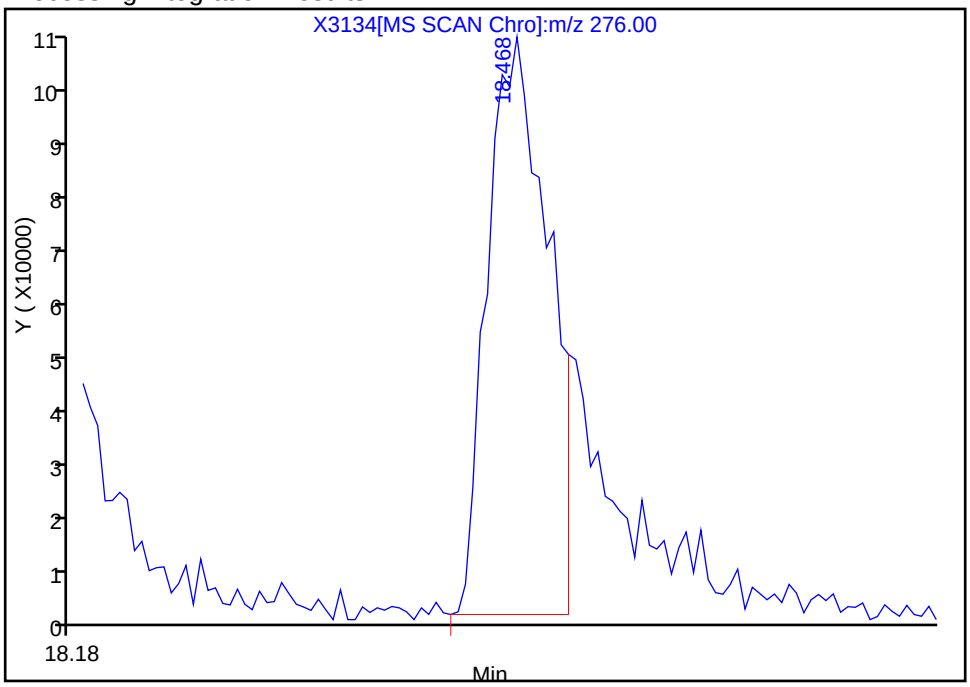
TestAmerica Buffalo

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

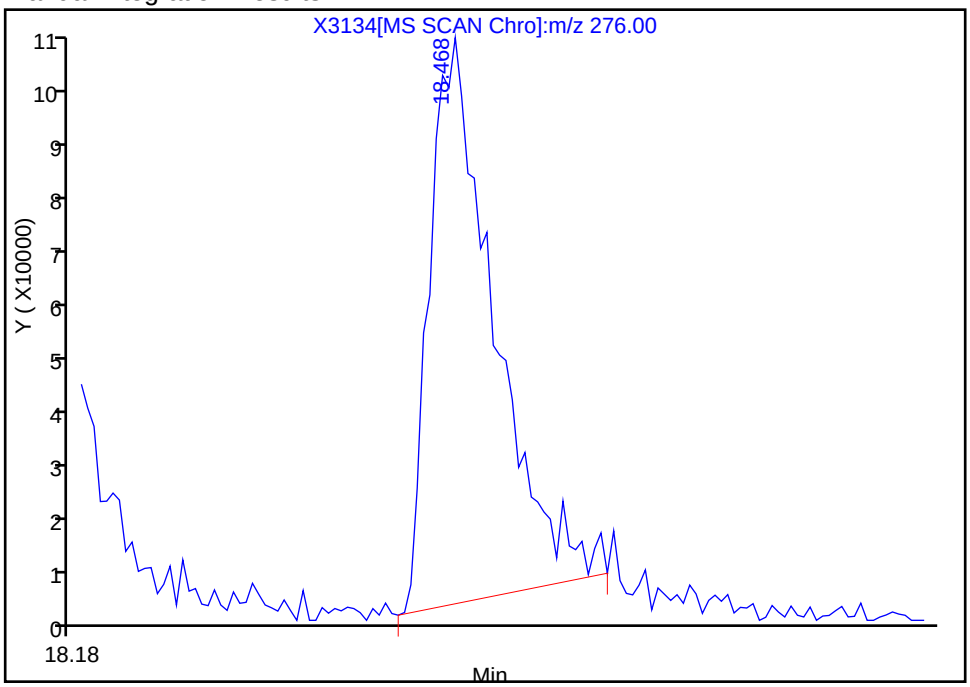
Processing Integration Results

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

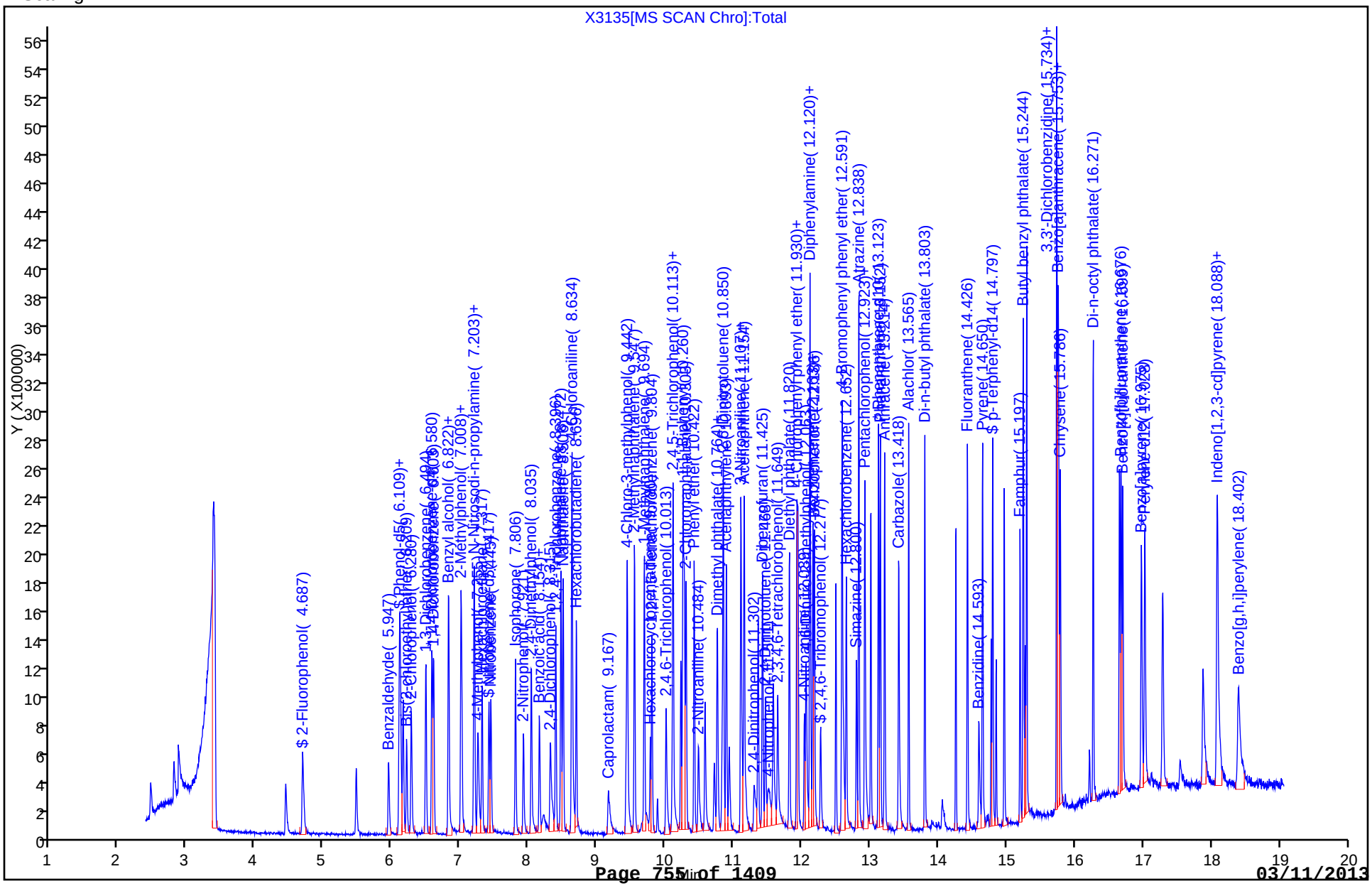
Review Flags
M - Manually Integrated

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

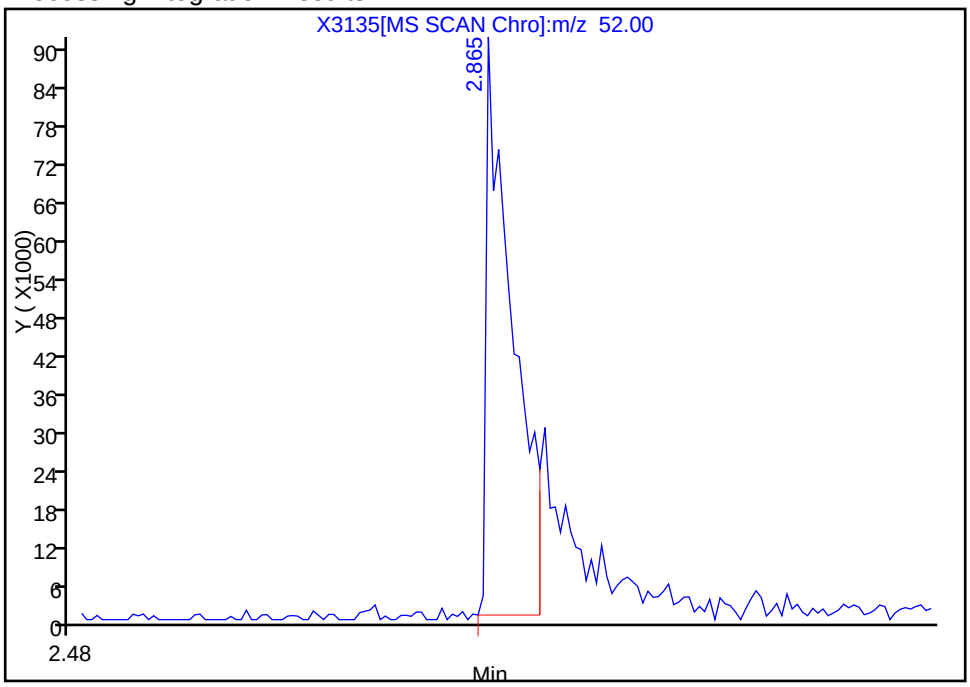
TestAmerica Buffalo

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

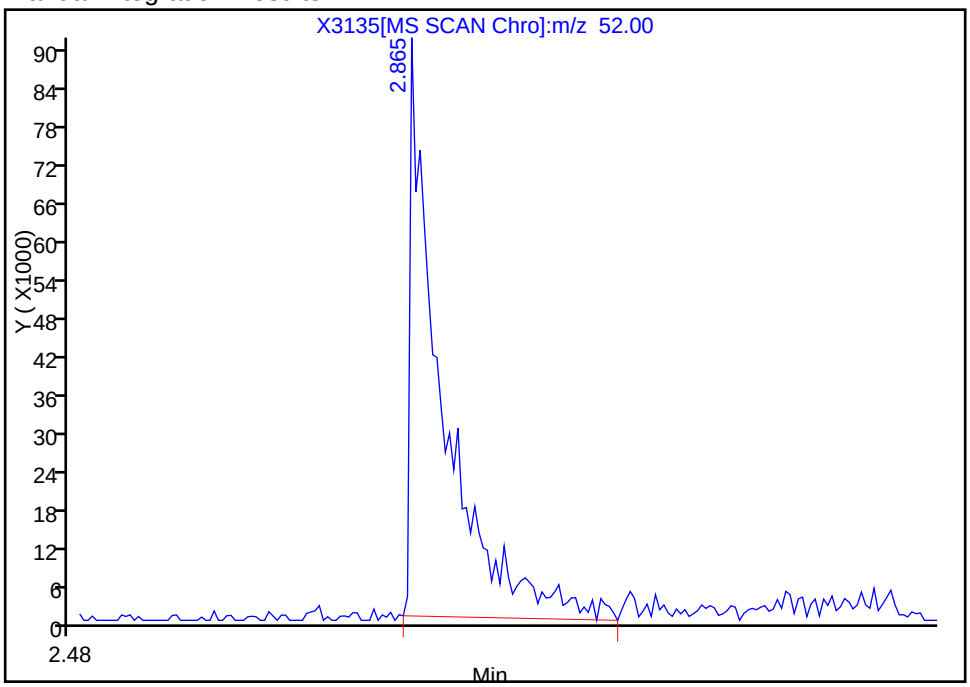
Processing Integration Results

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

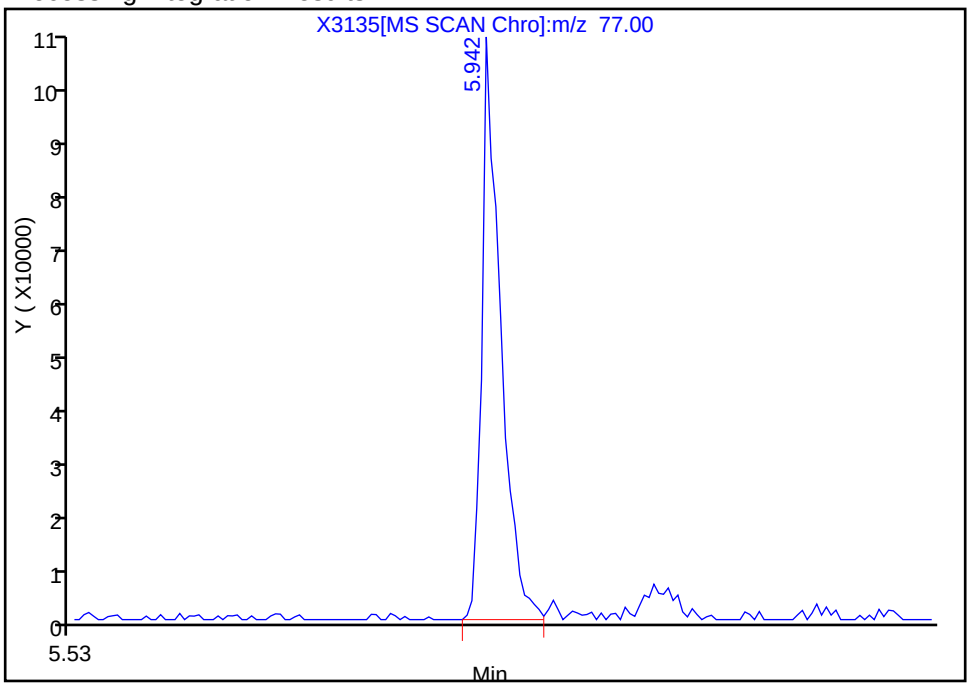
TestAmerica Buffalo

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

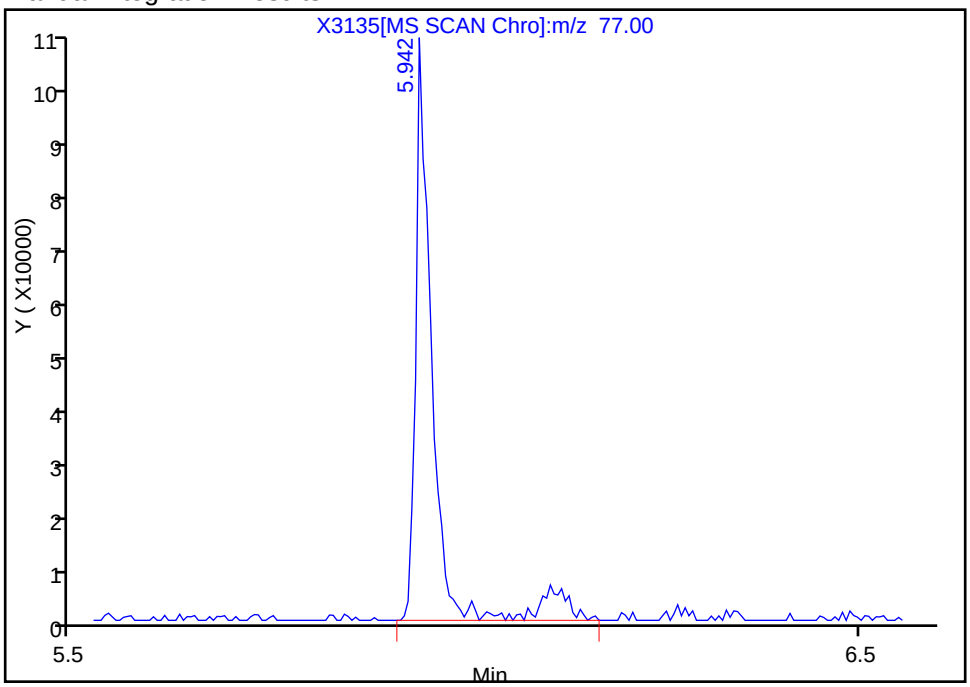
Processing Integration Results

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

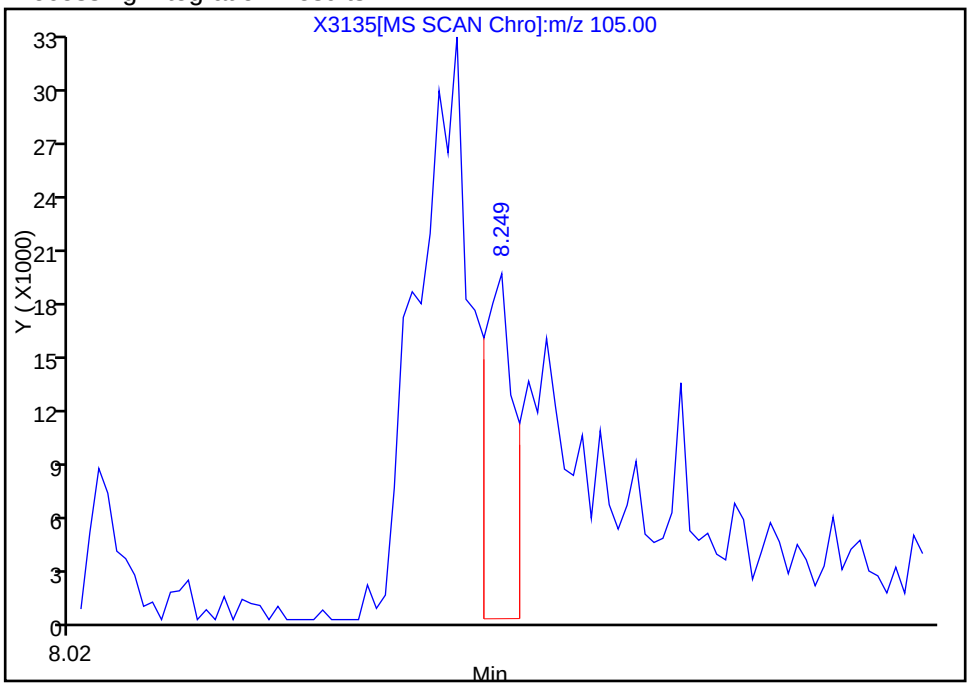
TestAmerica Buffalo

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

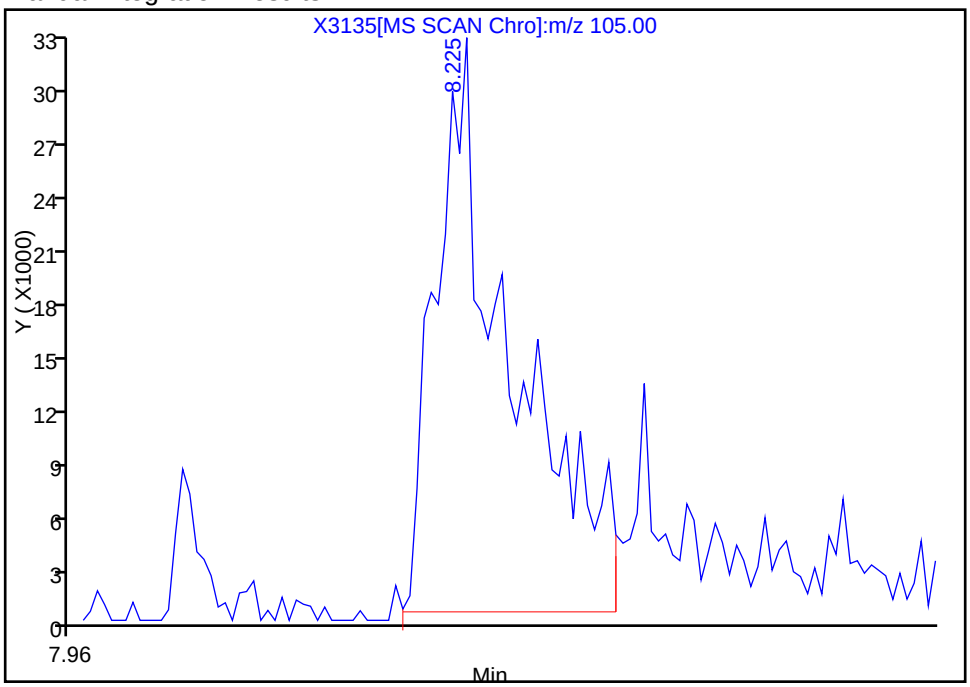
Processing Integration Results

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

Manual Integration/User Assign Peak Report

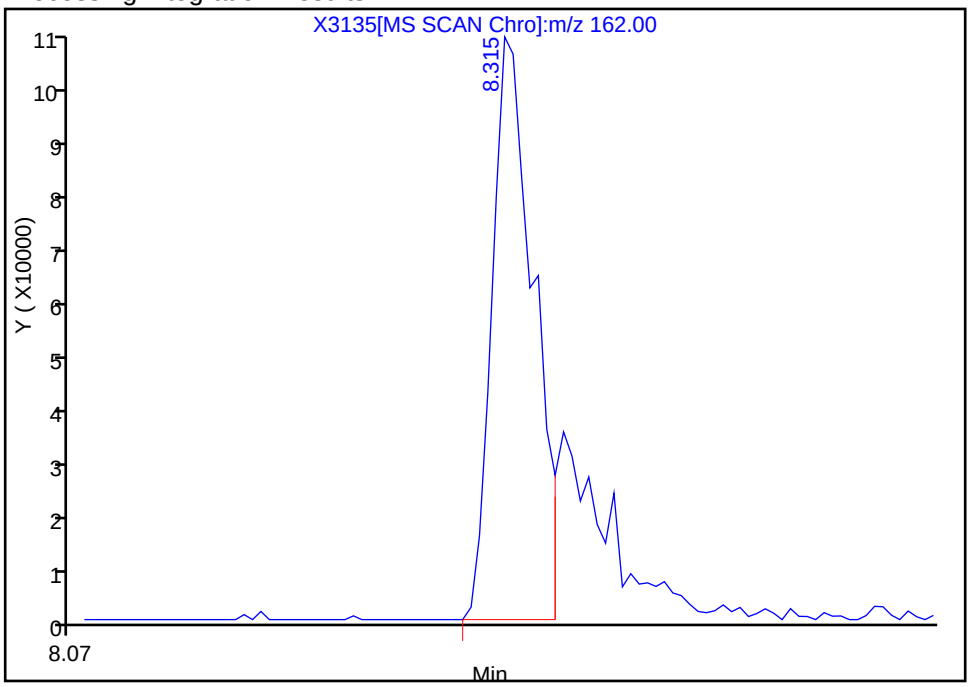
TestAmerica Buffalo

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

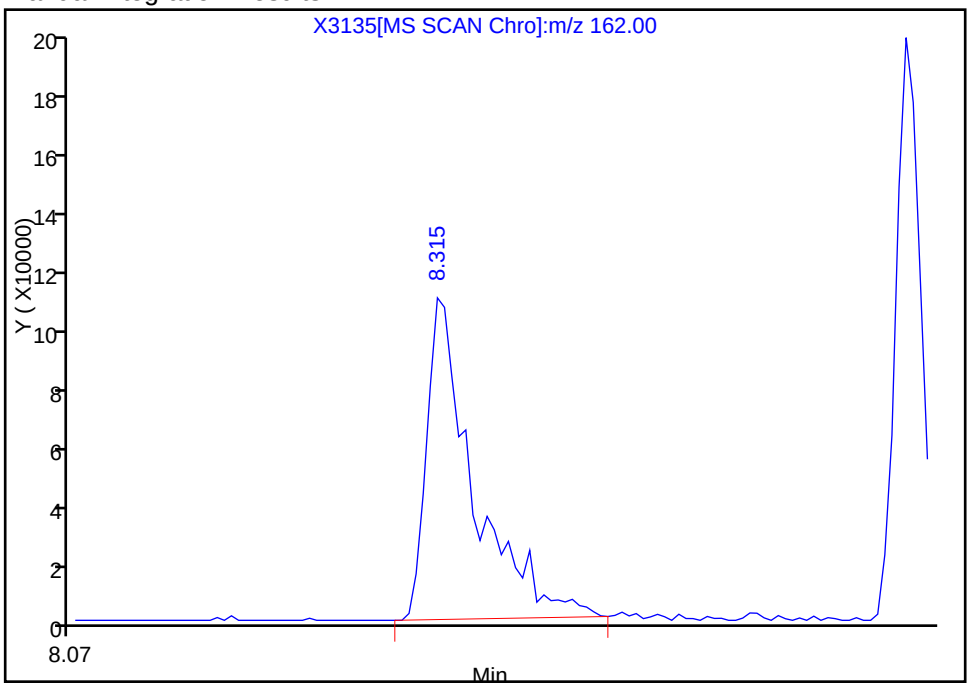
Processing Integration Results

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

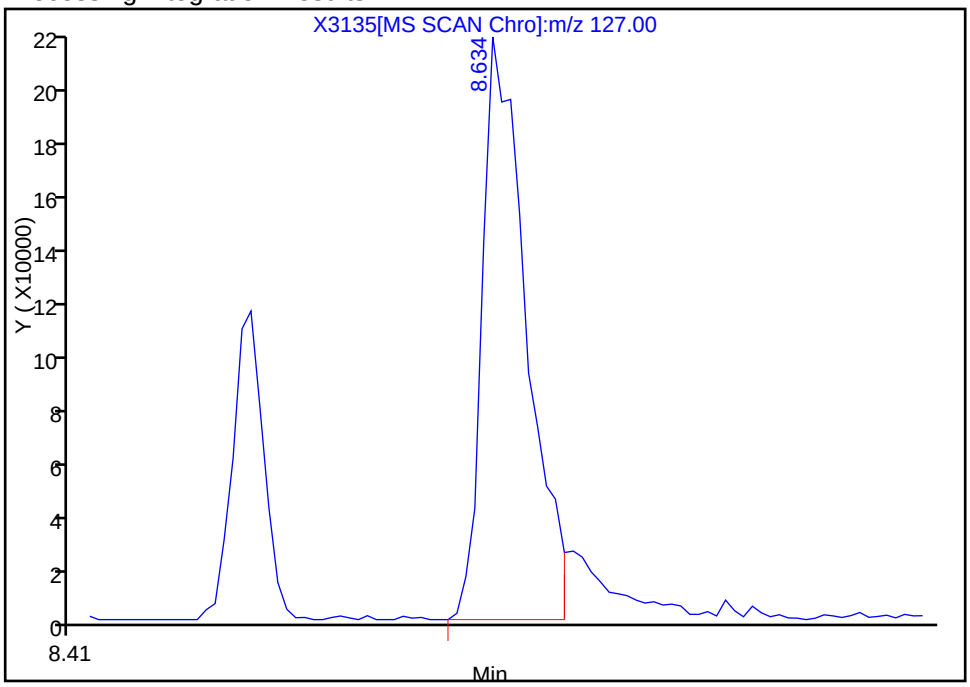
TestAmerica Buffalo

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

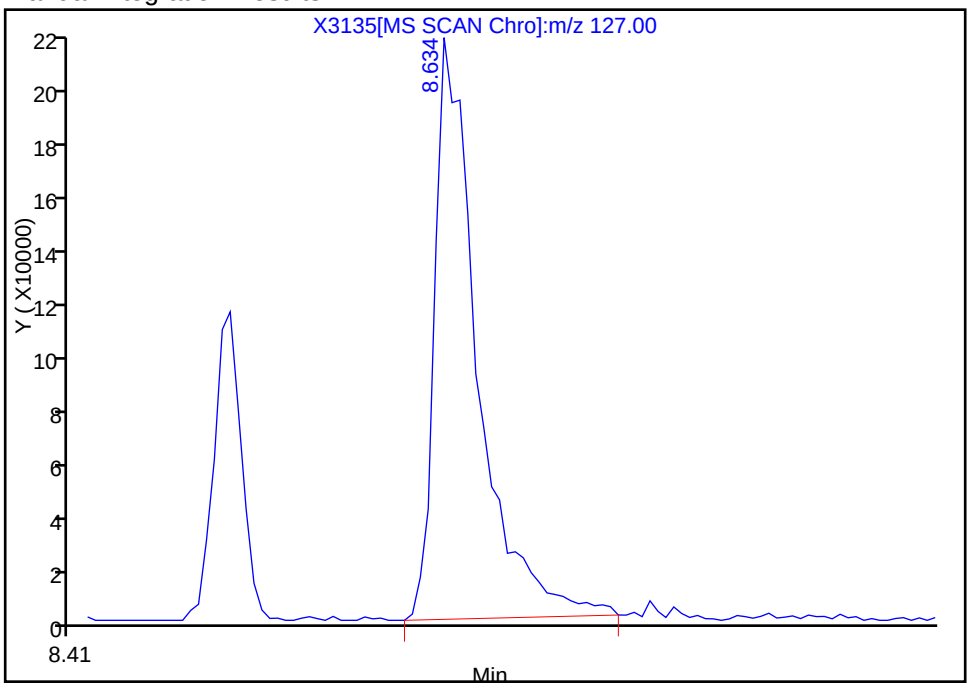
Processing Integration Results

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

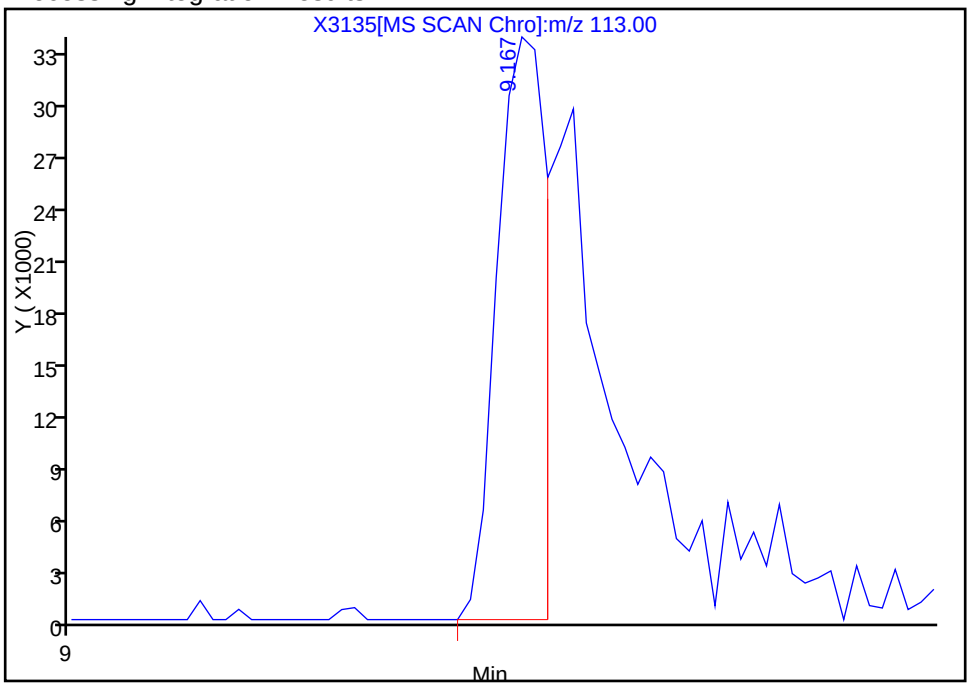
TestAmerica Buffalo

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

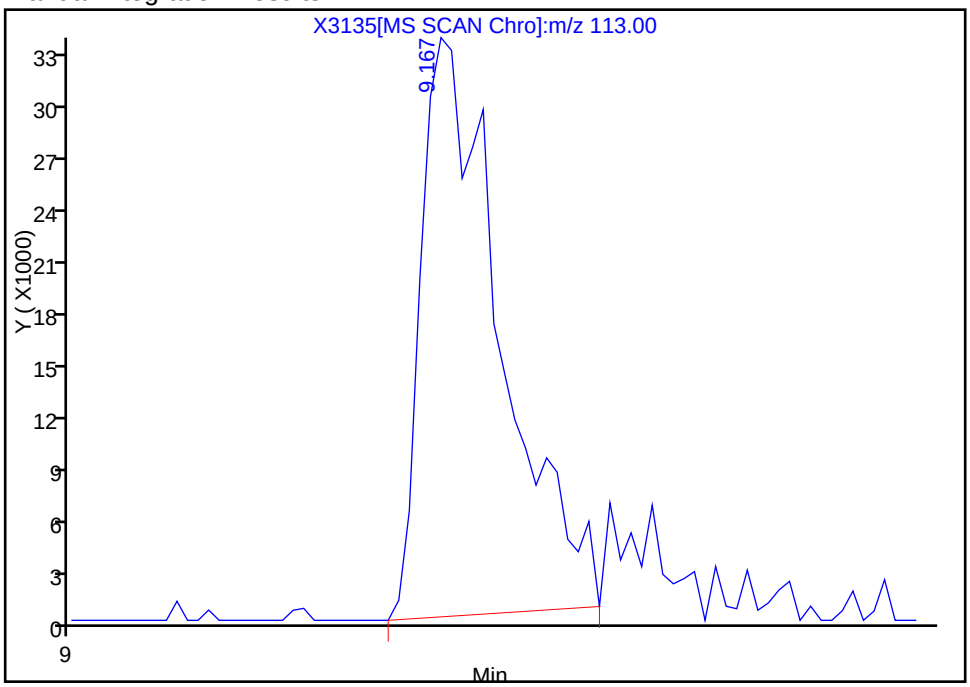
Processing Integration Results

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

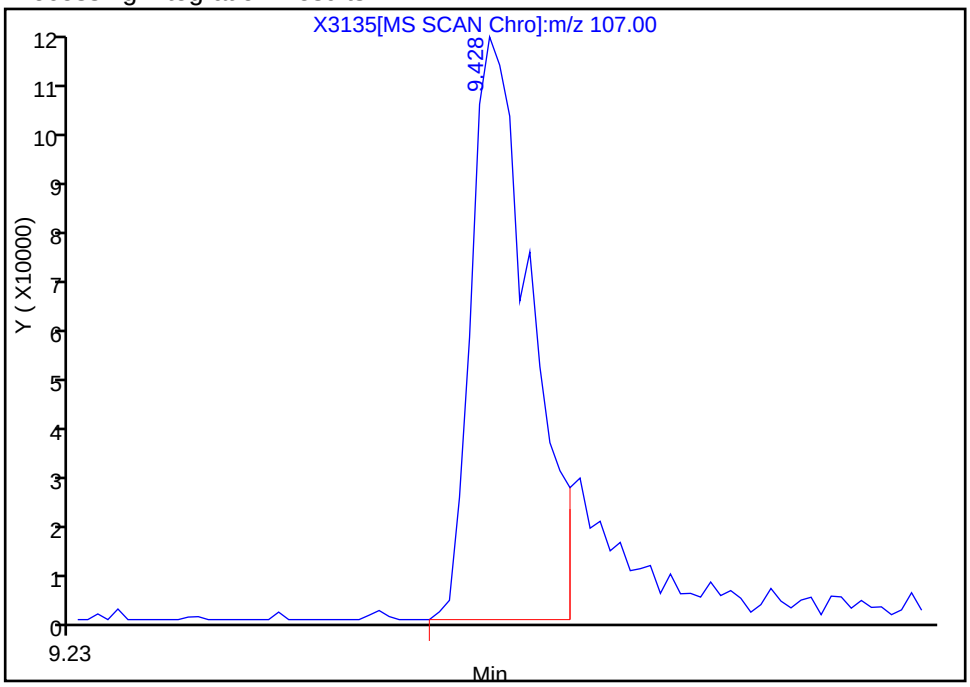
TestAmerica Buffalo

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

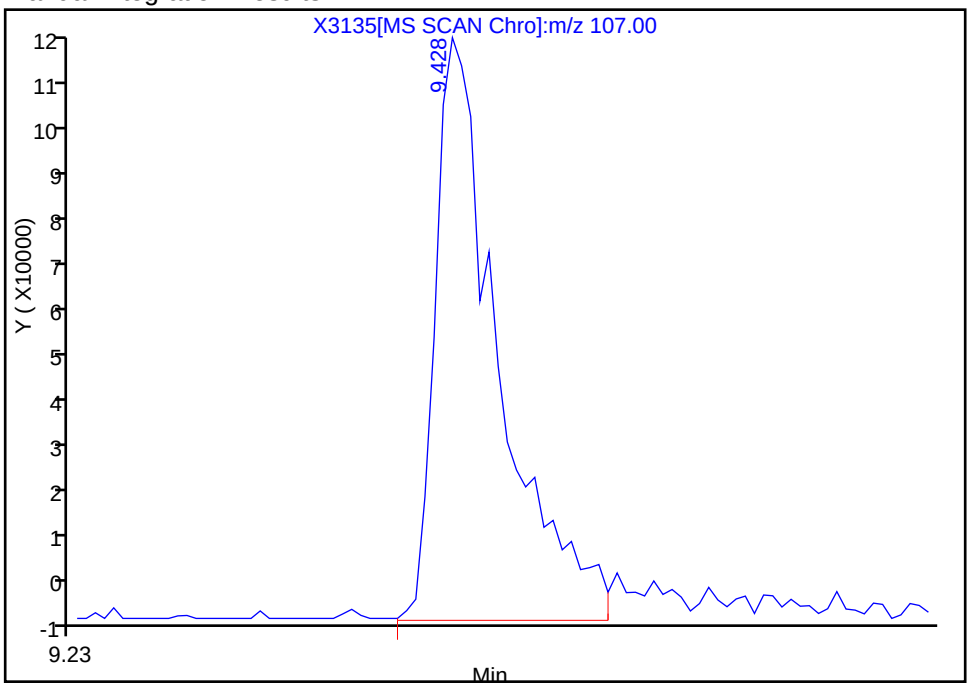
Processing Integration Results

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

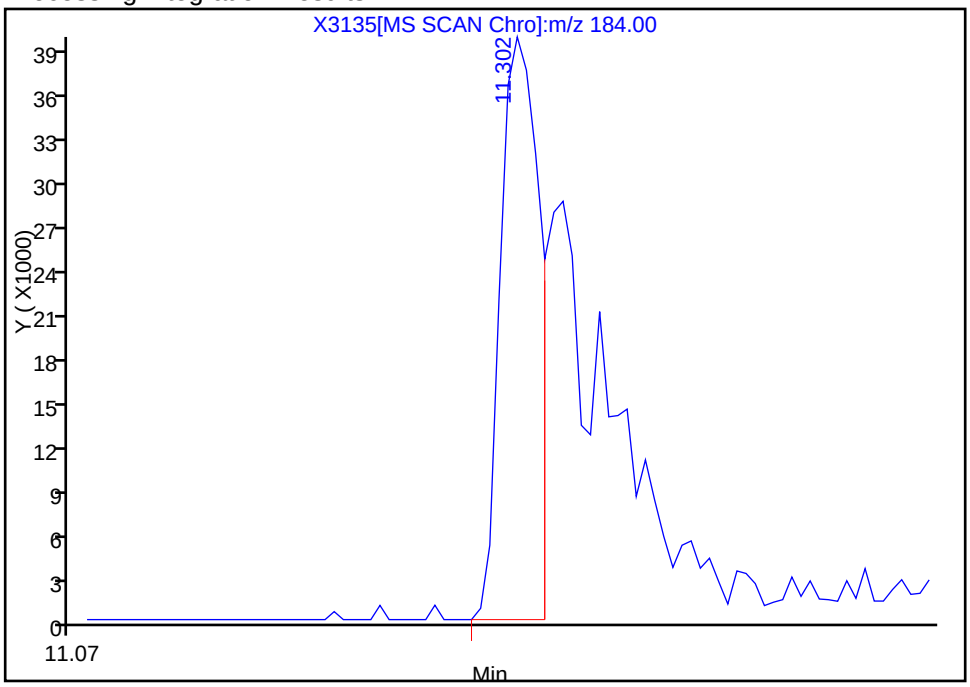
TestAmerica Buffalo

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

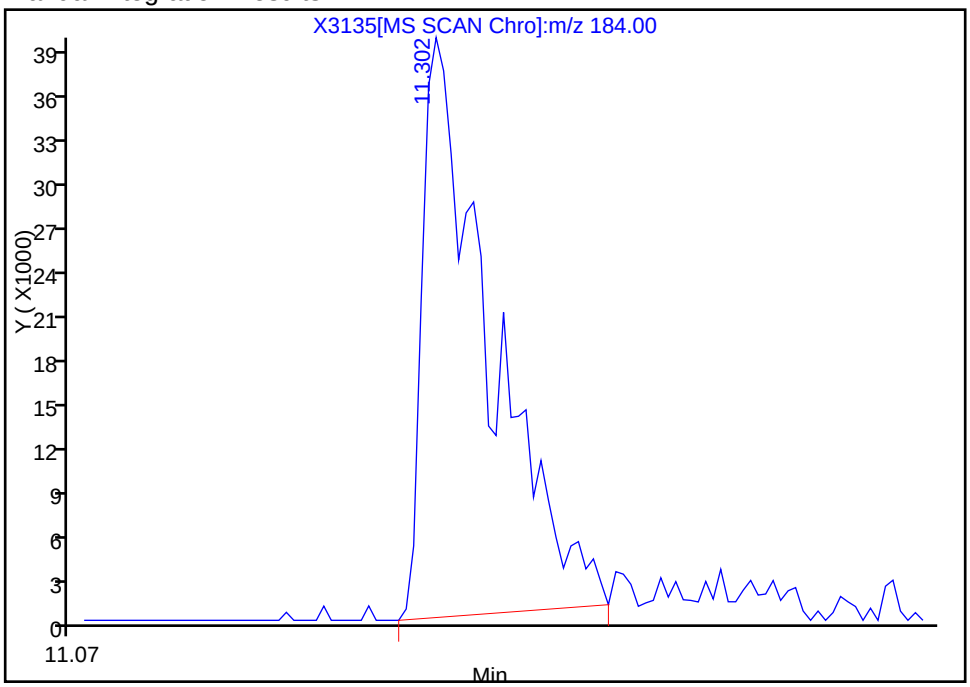
Processing Integration Results

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

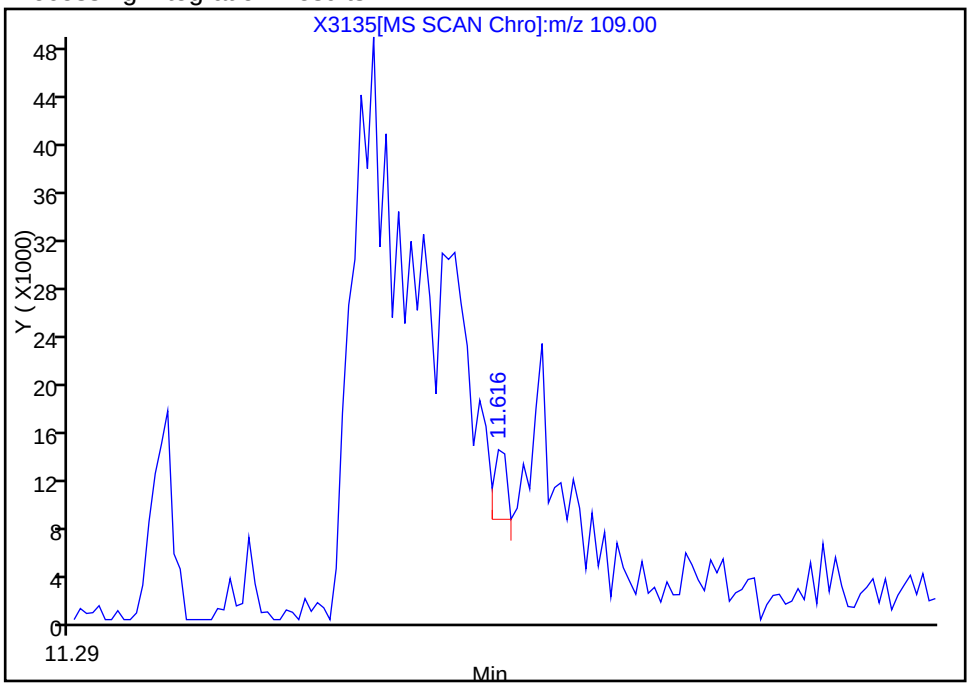
TestAmerica Buffalo

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

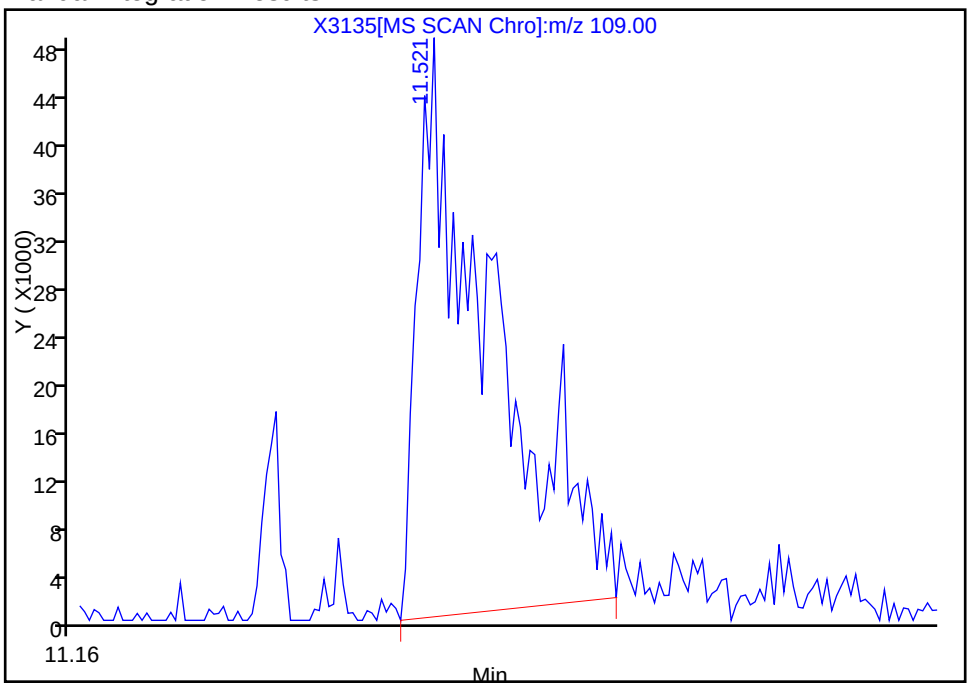
Processing Integration Results

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

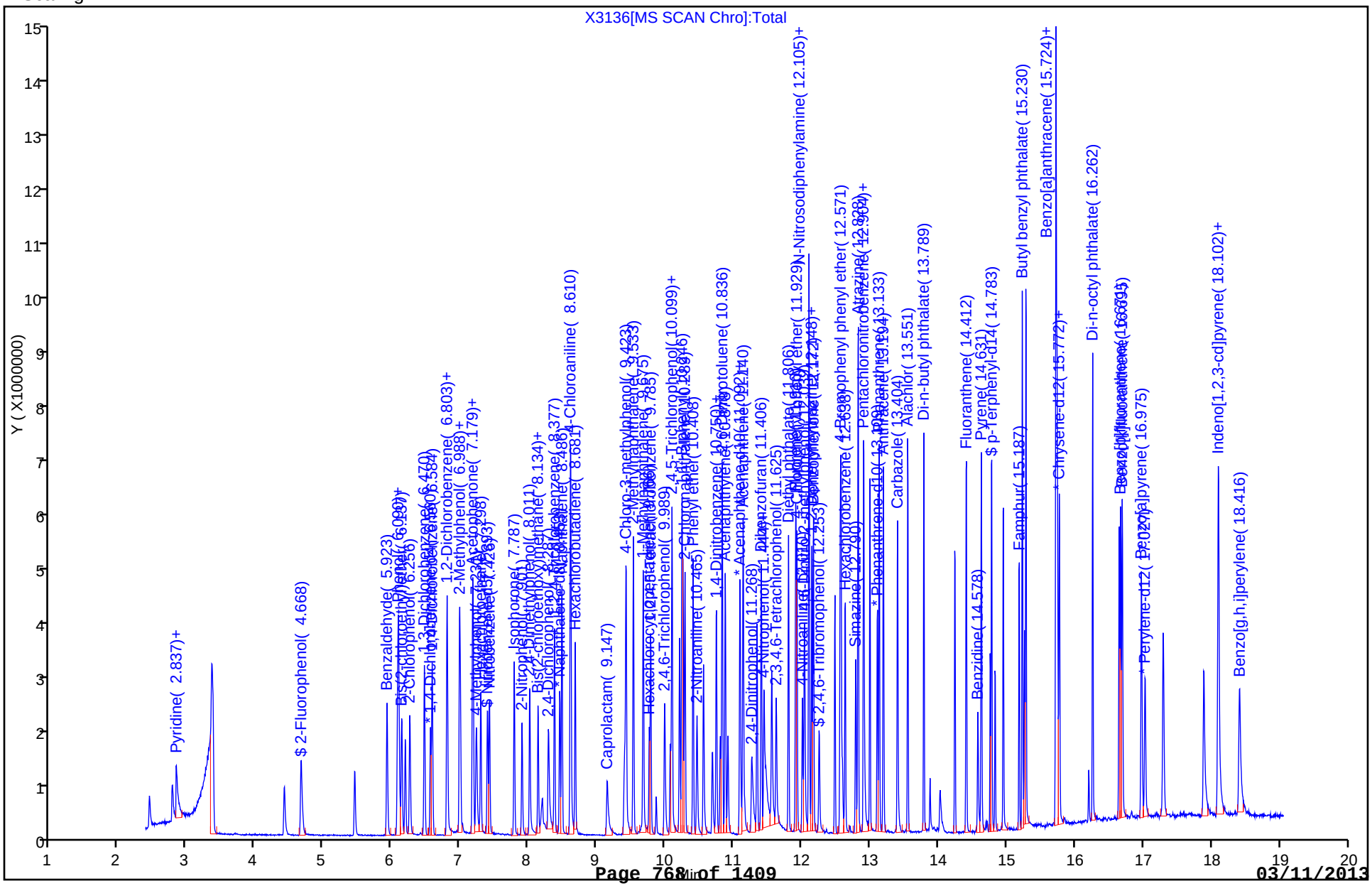
Review Flags
M - Manually Integrated

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

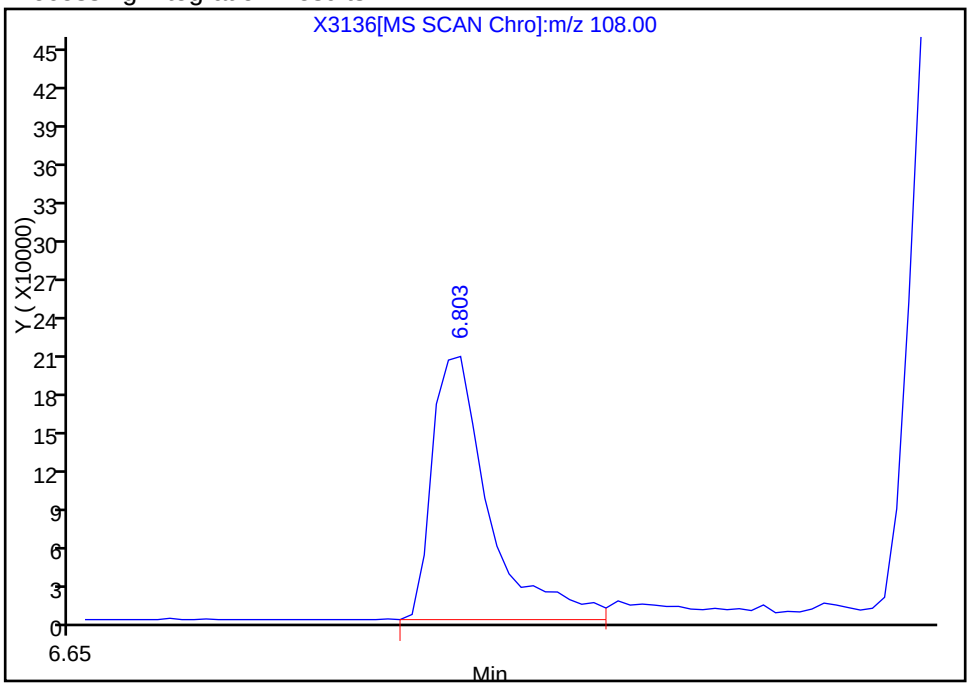
TestAmerica Buffalo

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

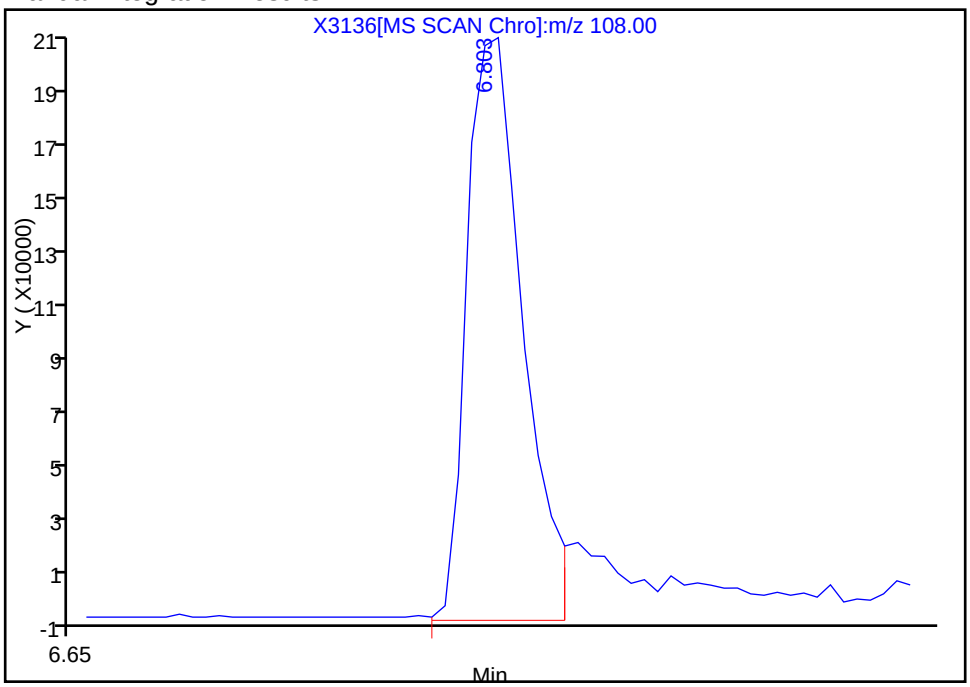
Processing Integration Results

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

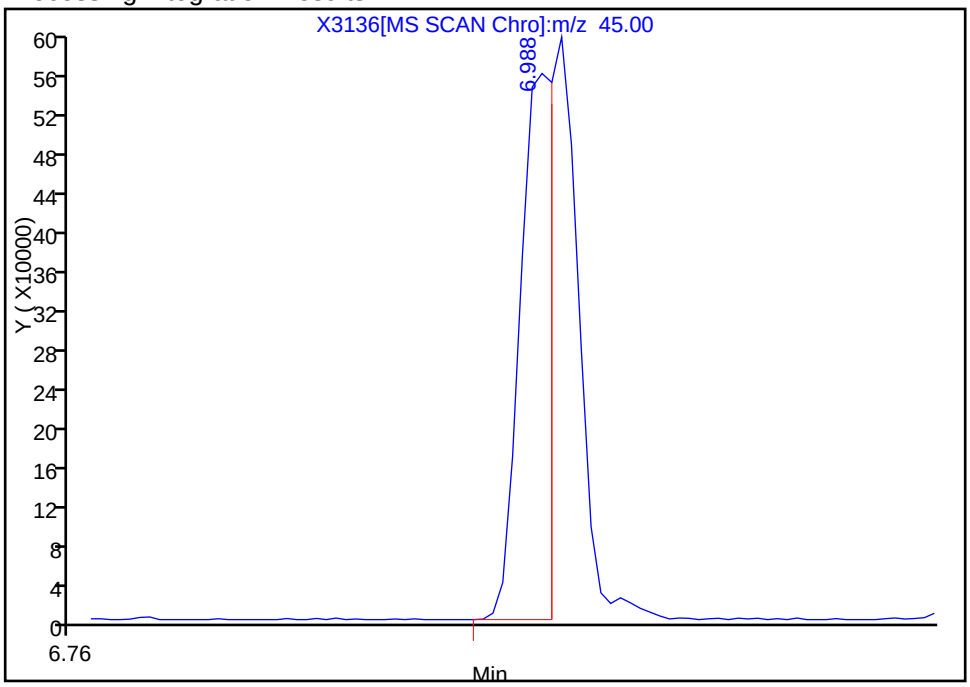
TestAmerica Buffalo

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

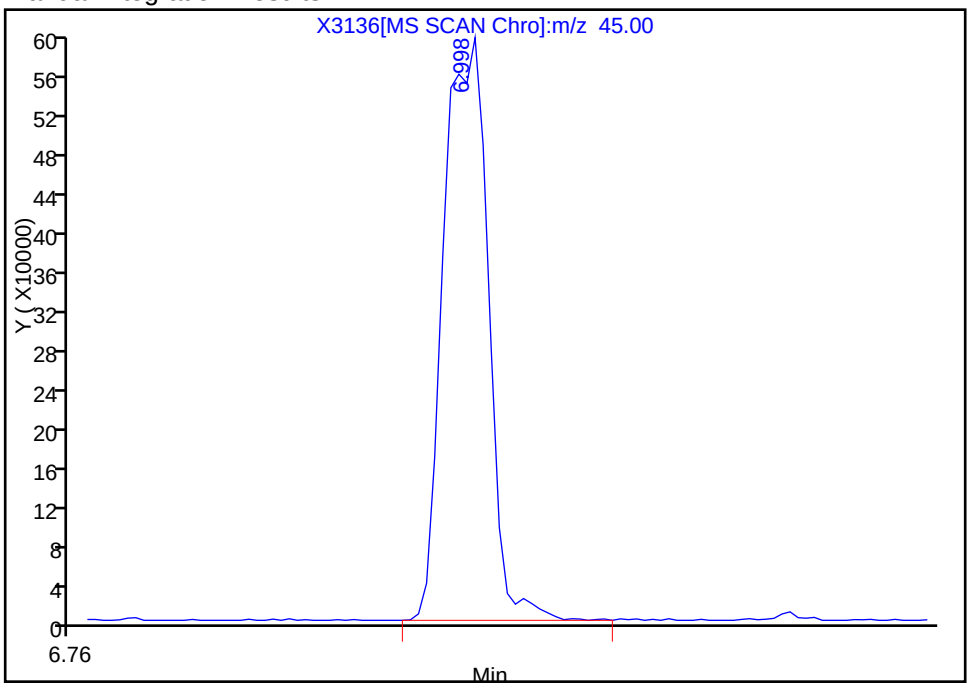
Processing Integration Results

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

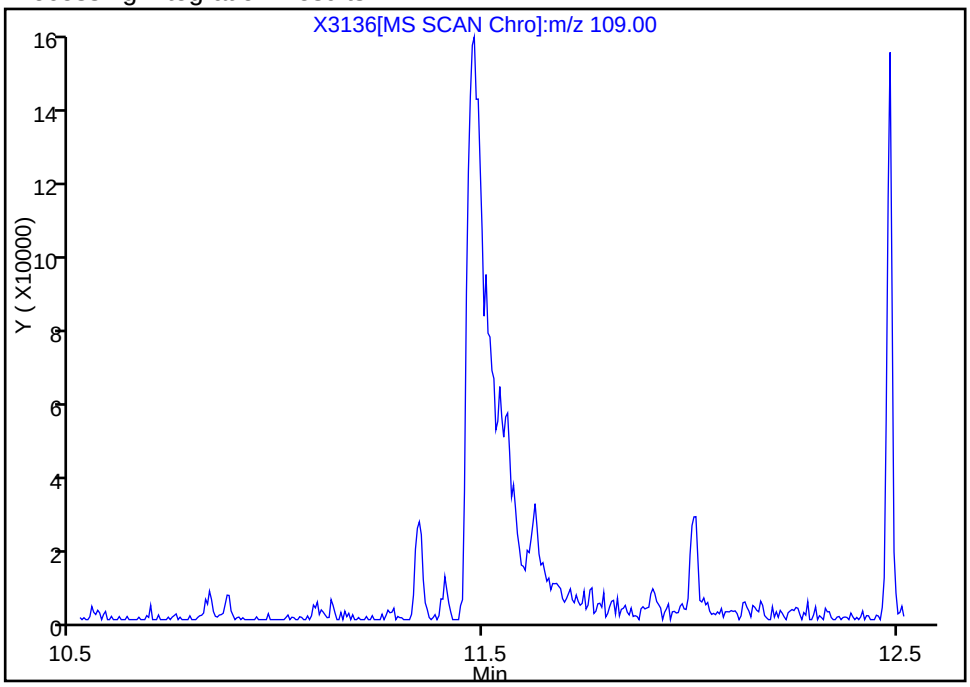
TestAmerica Buffalo

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

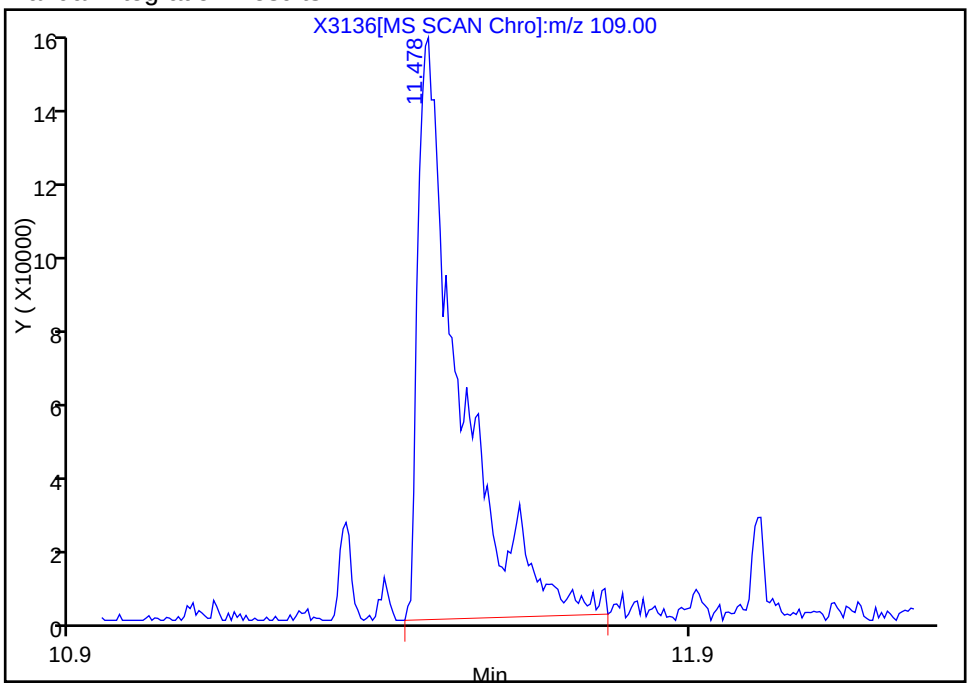
Processing Integration Results

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					

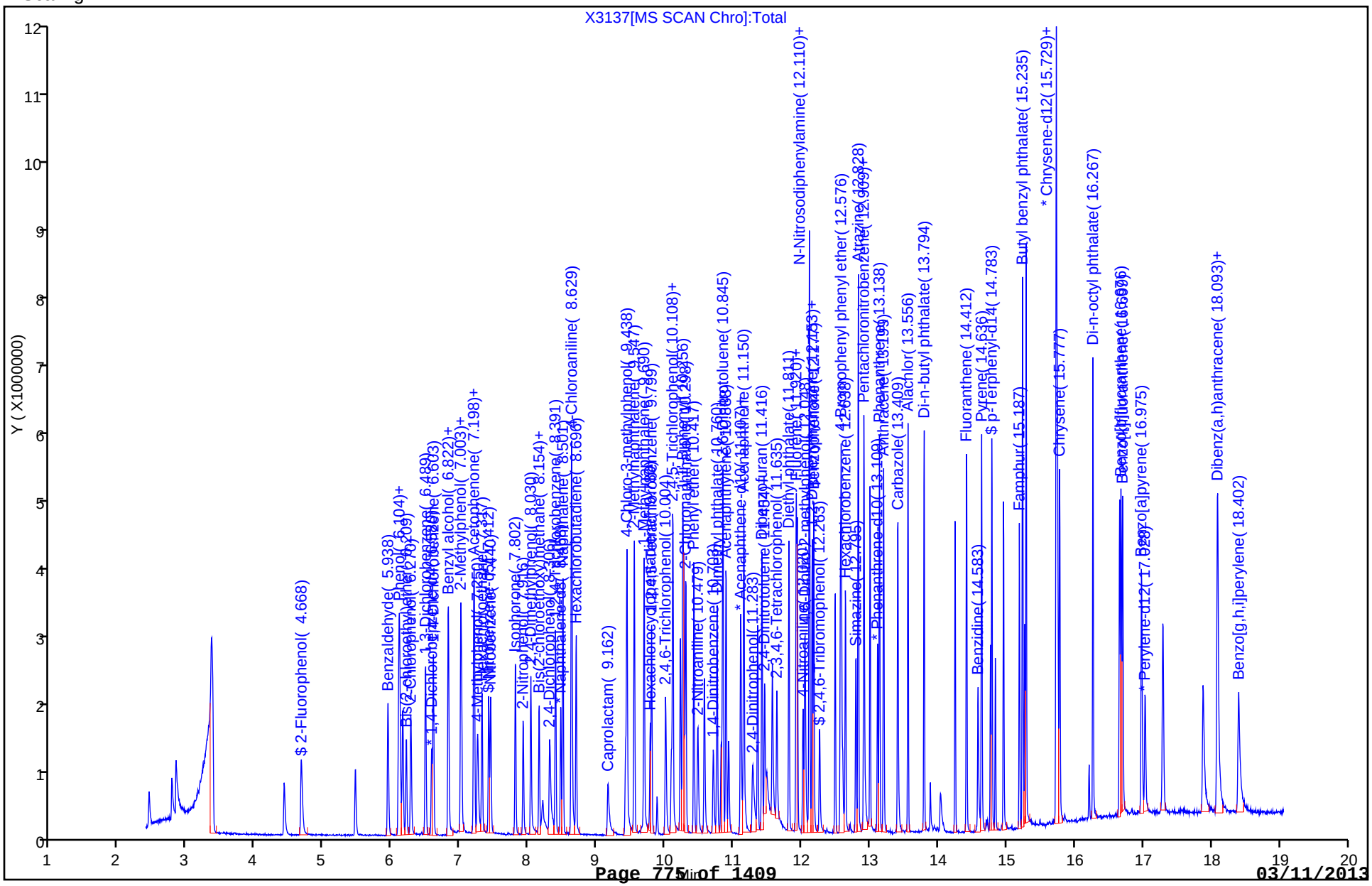
QC Flag Legend

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

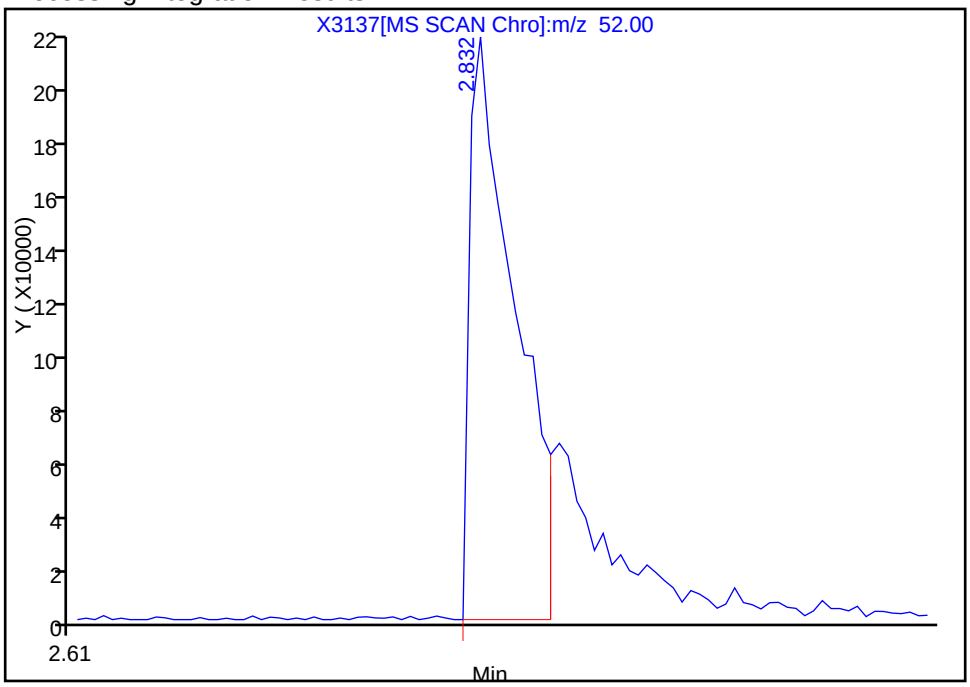
TestAmerica Buffalo

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

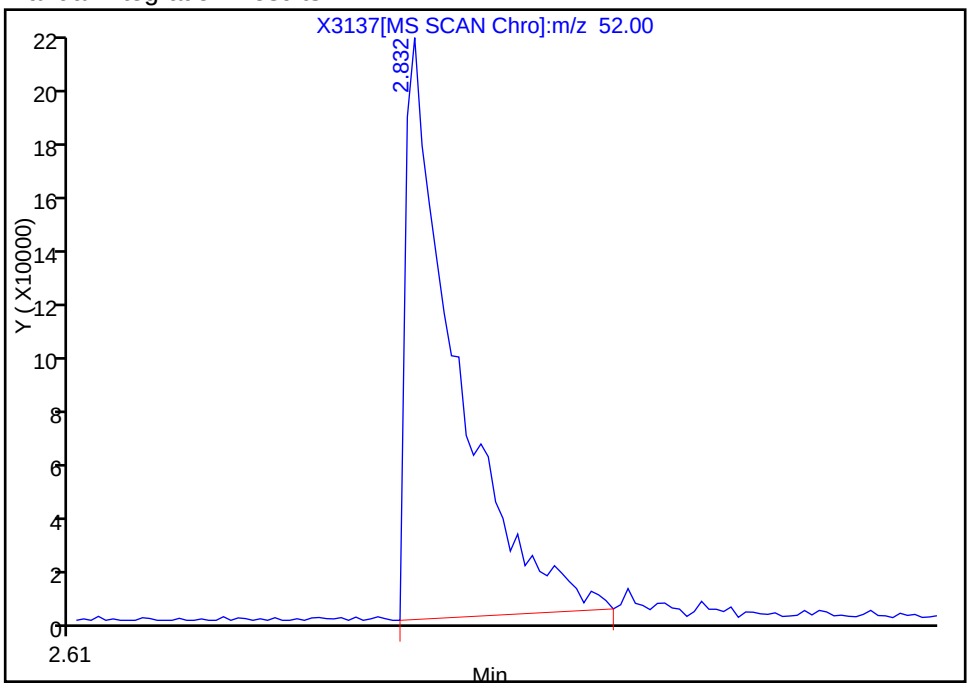
Processing Integration Results

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

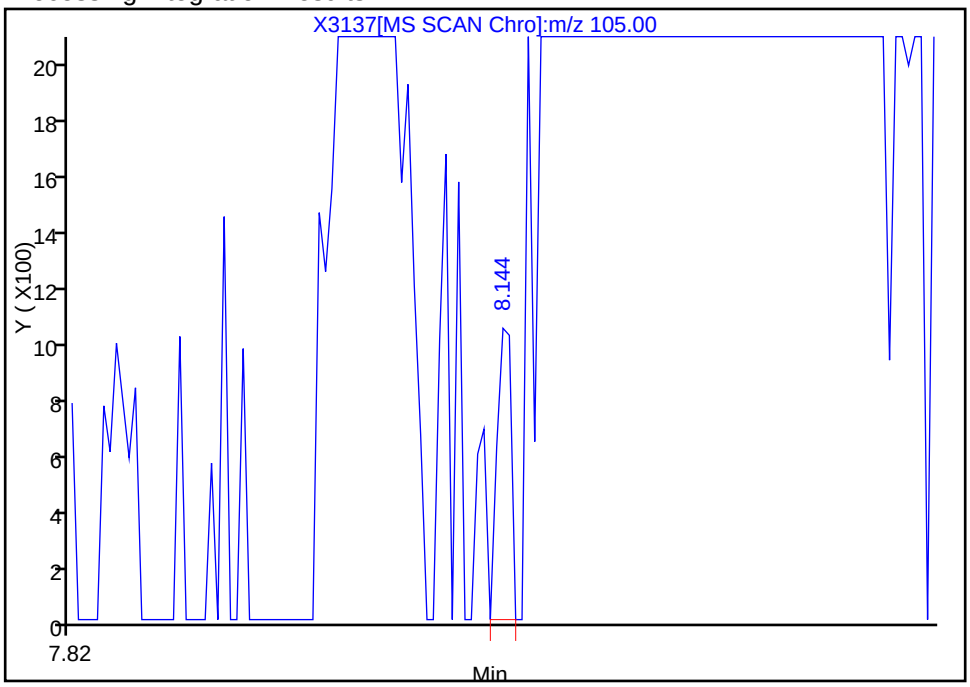
TestAmerica Buffalo

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

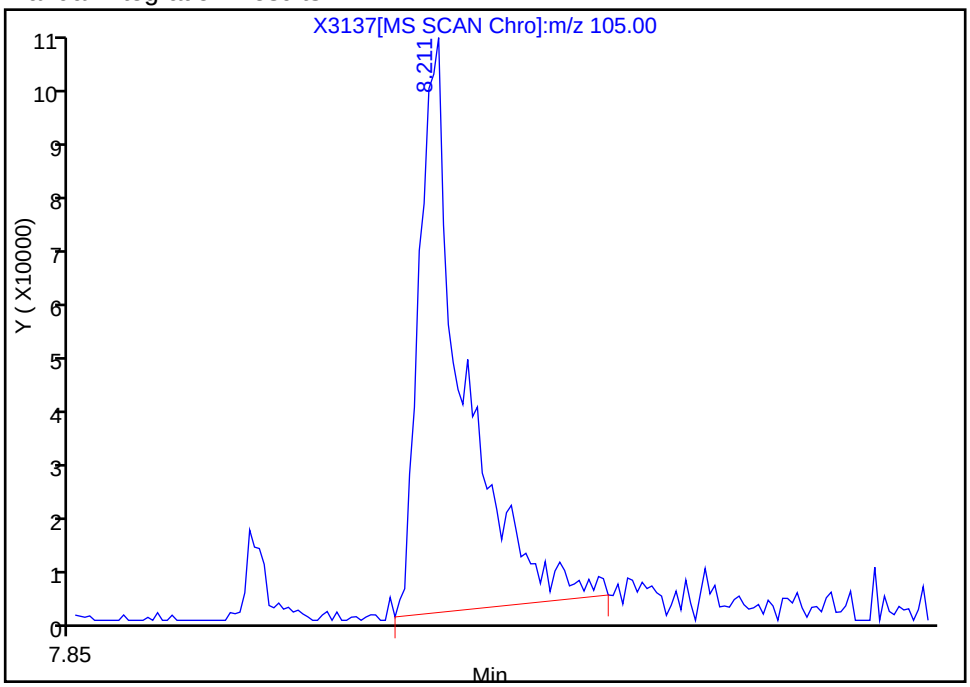
Processing Integration Results

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

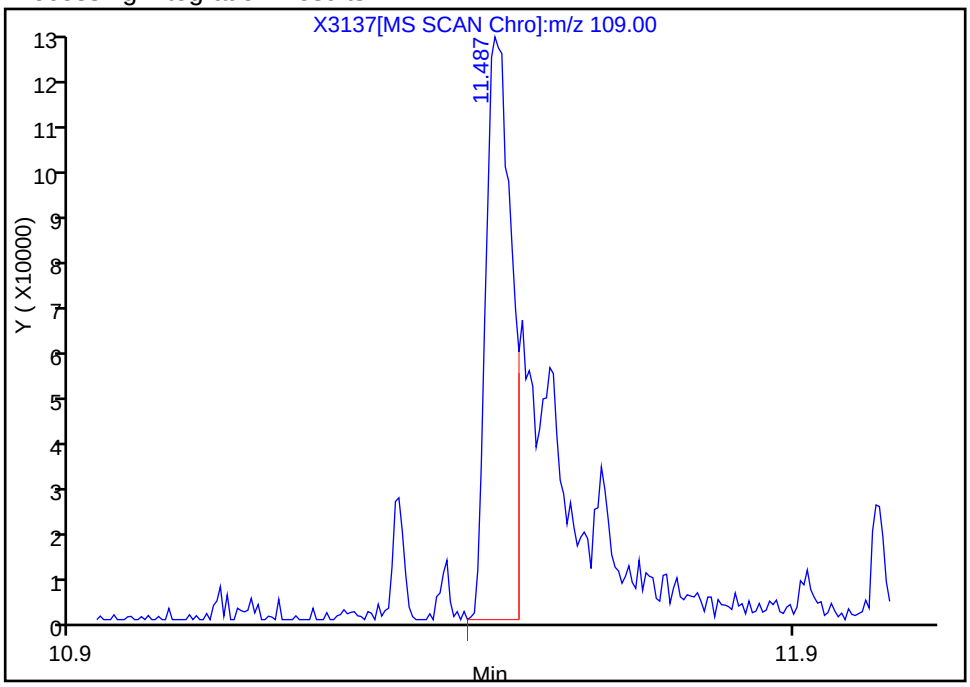
TestAmerica Buffalo

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

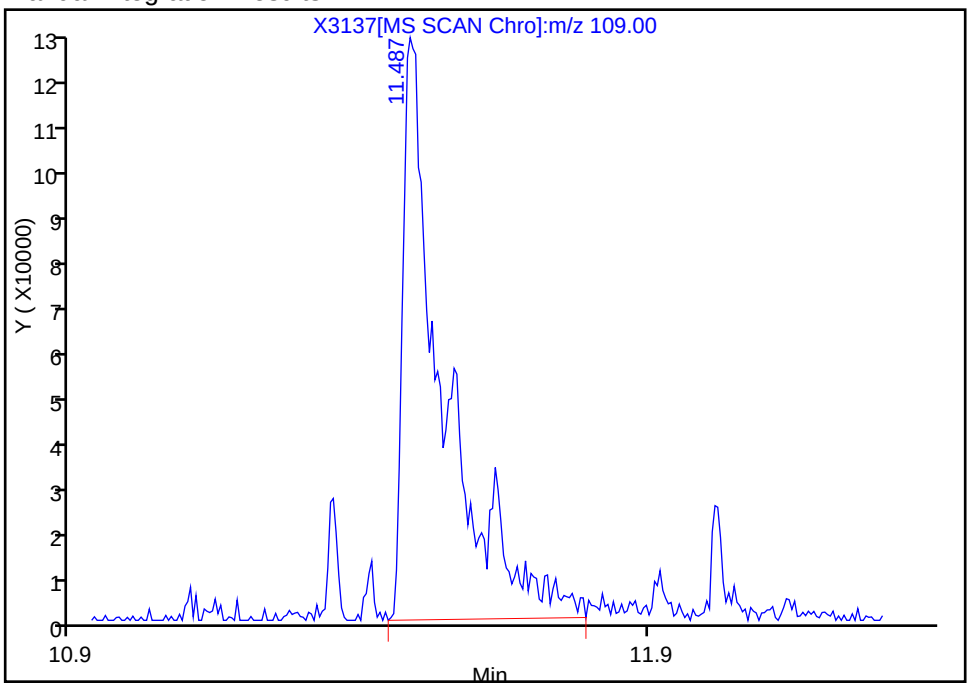
Processing Integration Results

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					

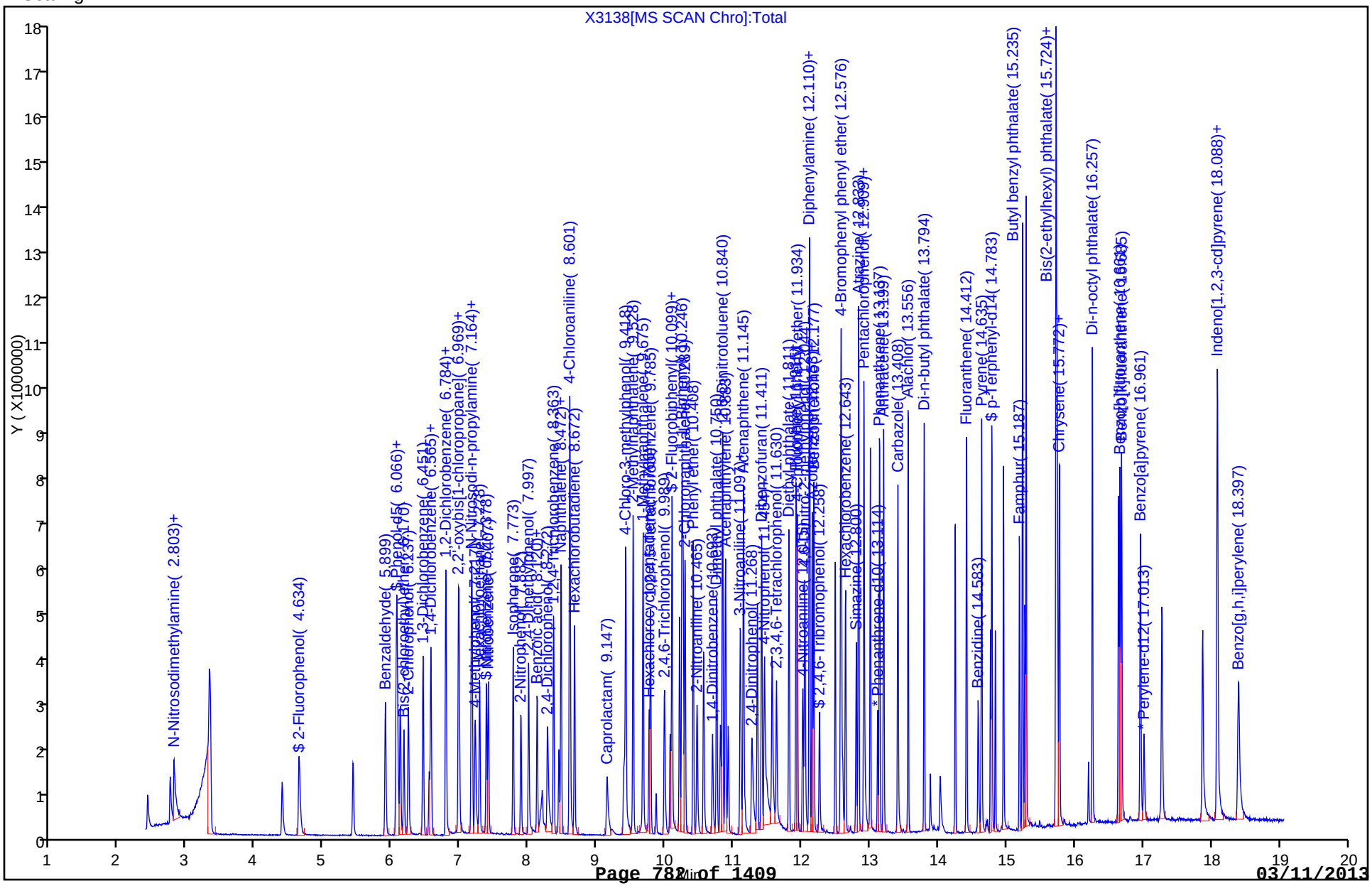
QC Flag Legend

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

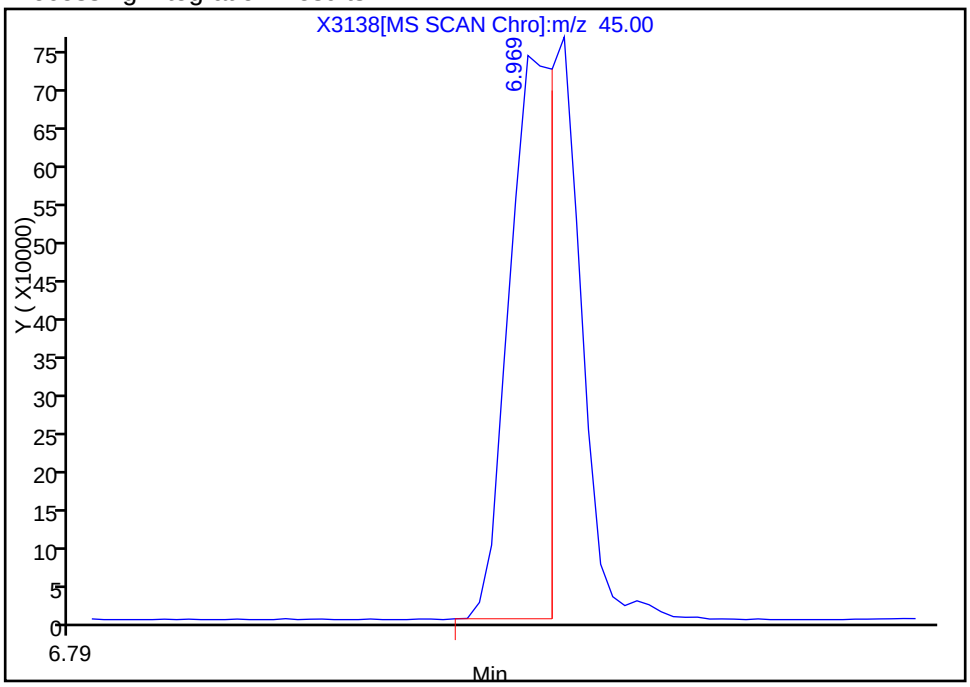
TestAmerica Buffalo

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

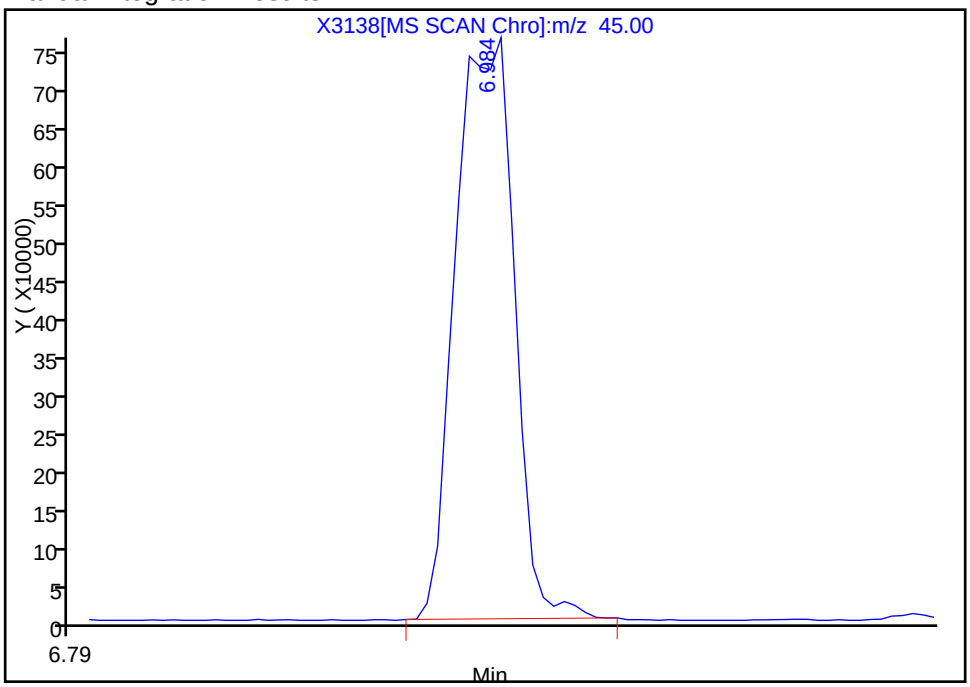
Processing Integration Results

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

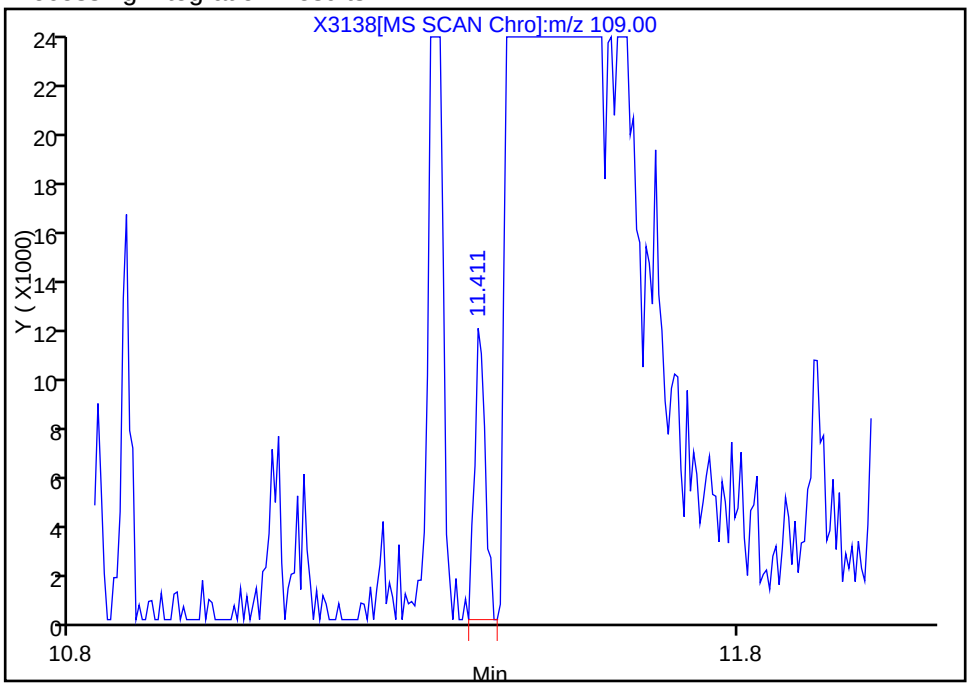
TestAmerica Buffalo

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

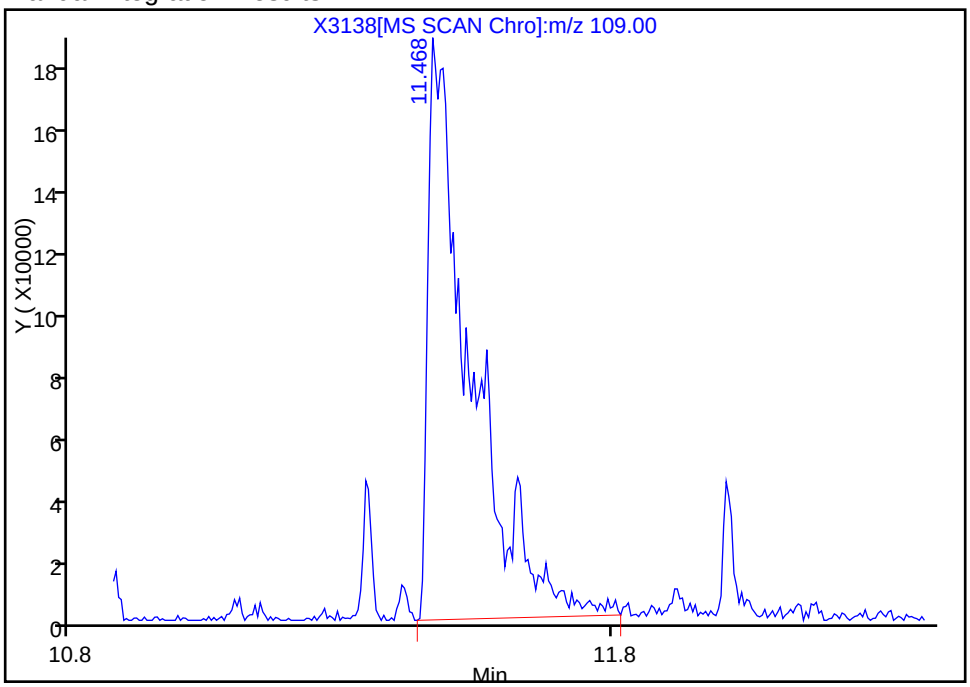
Processing Integration Results

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					

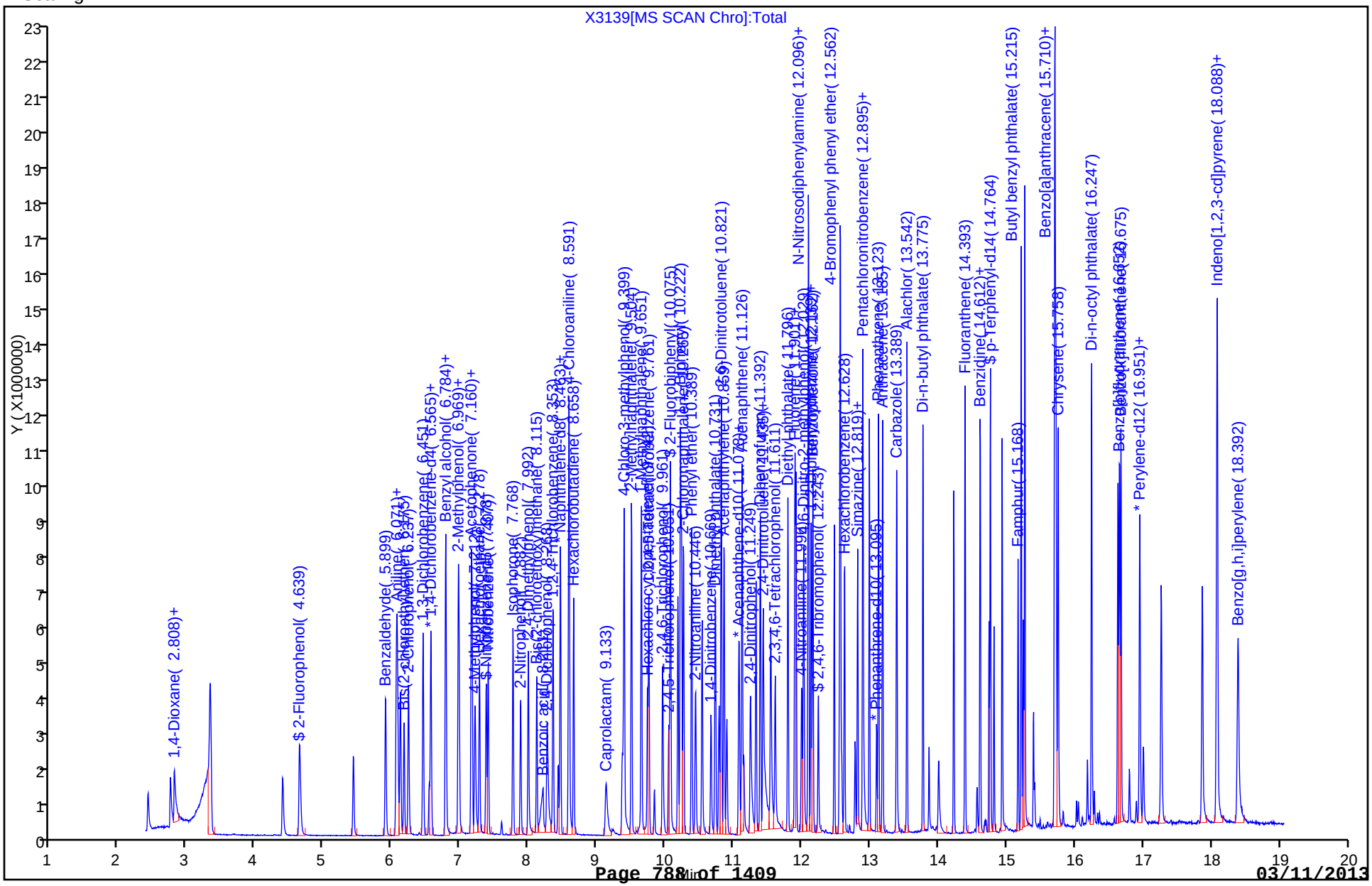
QC Flag Legend

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

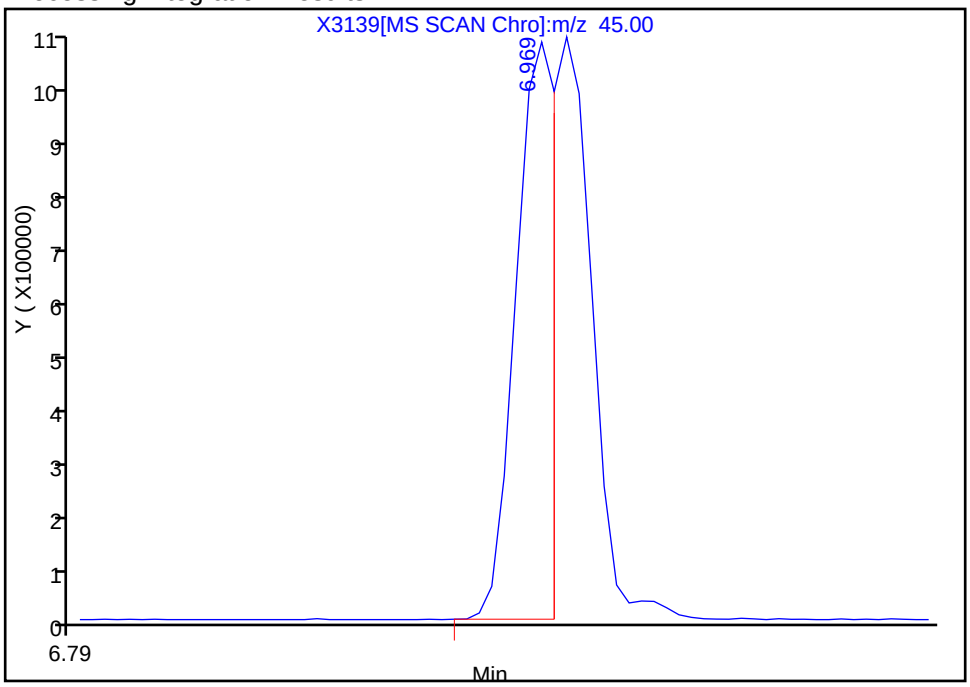
TestAmerica Buffalo

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

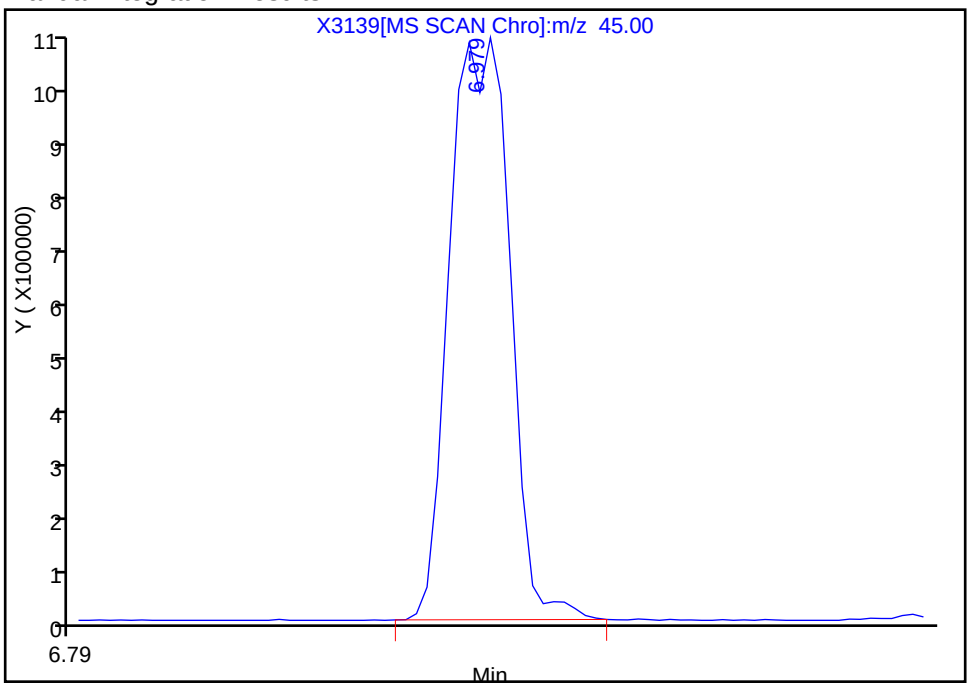
Processing Integration Results

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

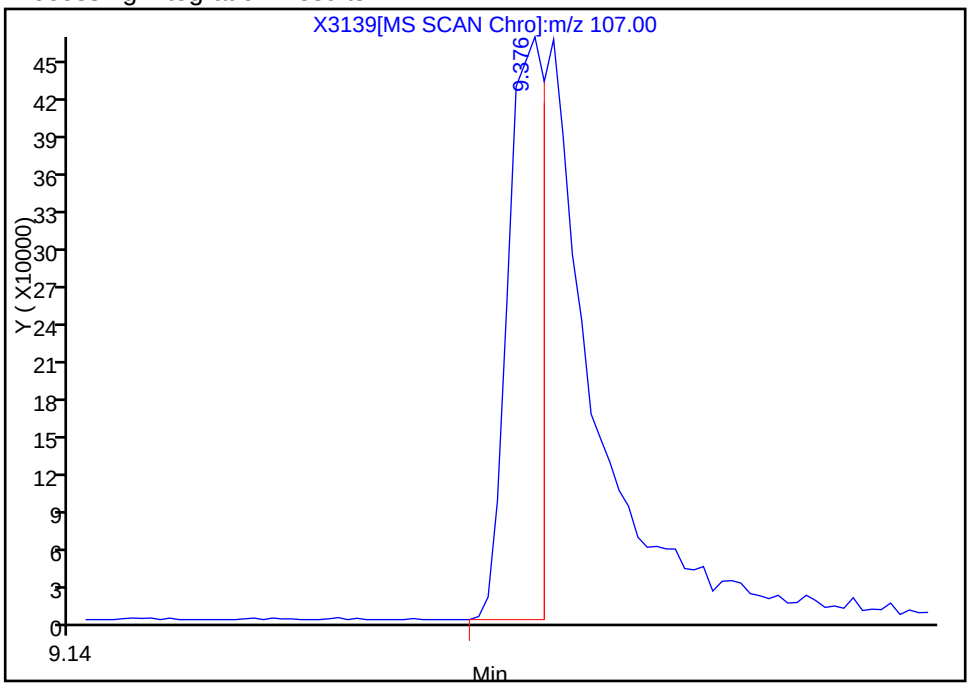
TestAmerica Buffalo

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

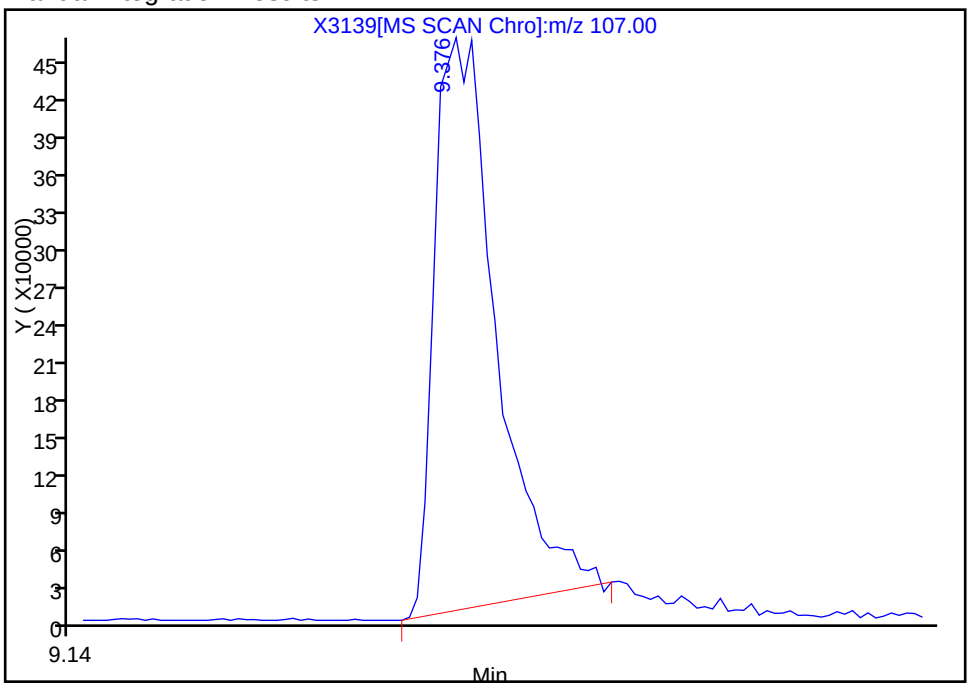
Processing Integration Results

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

Manual Integration/User Assign Peak Report

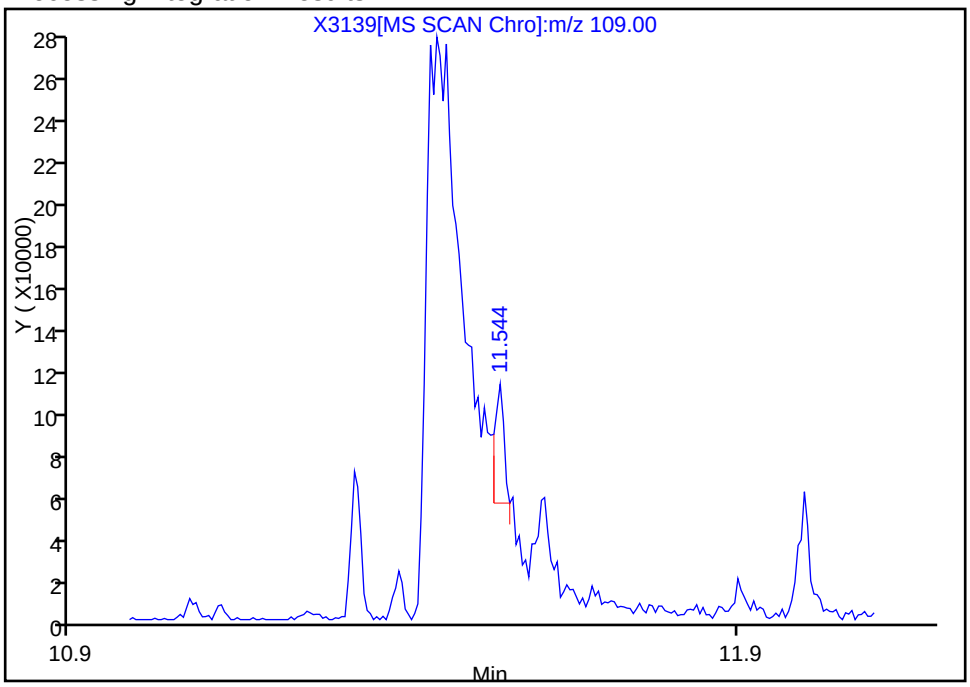
TestAmerica Buffalo

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

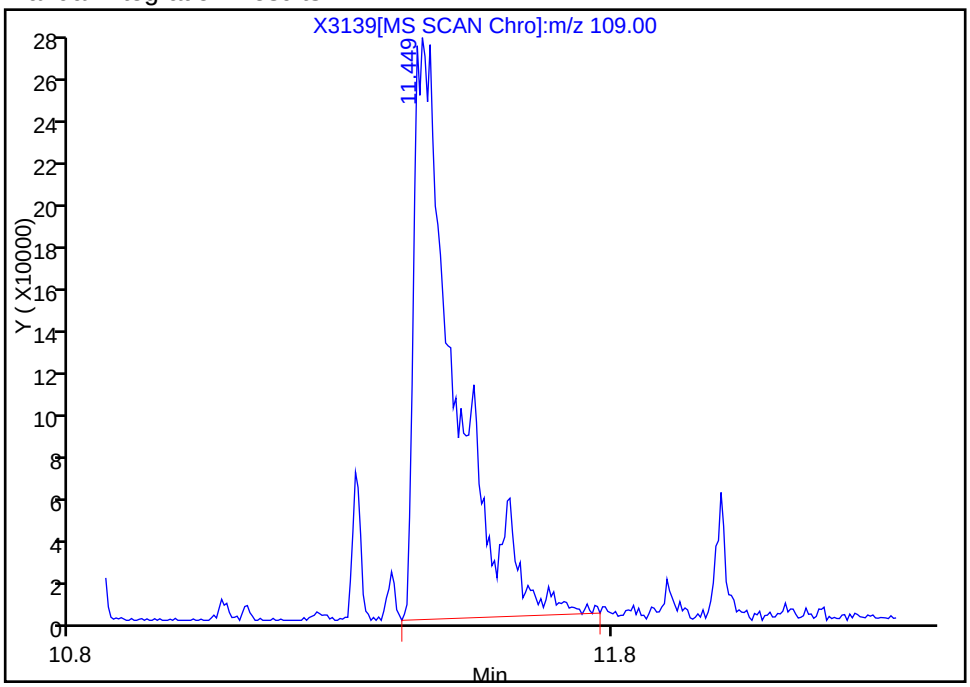
Processing Integration Results

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.: 480-30106-1

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.: 480-30106-1

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.: 480-30106-1

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

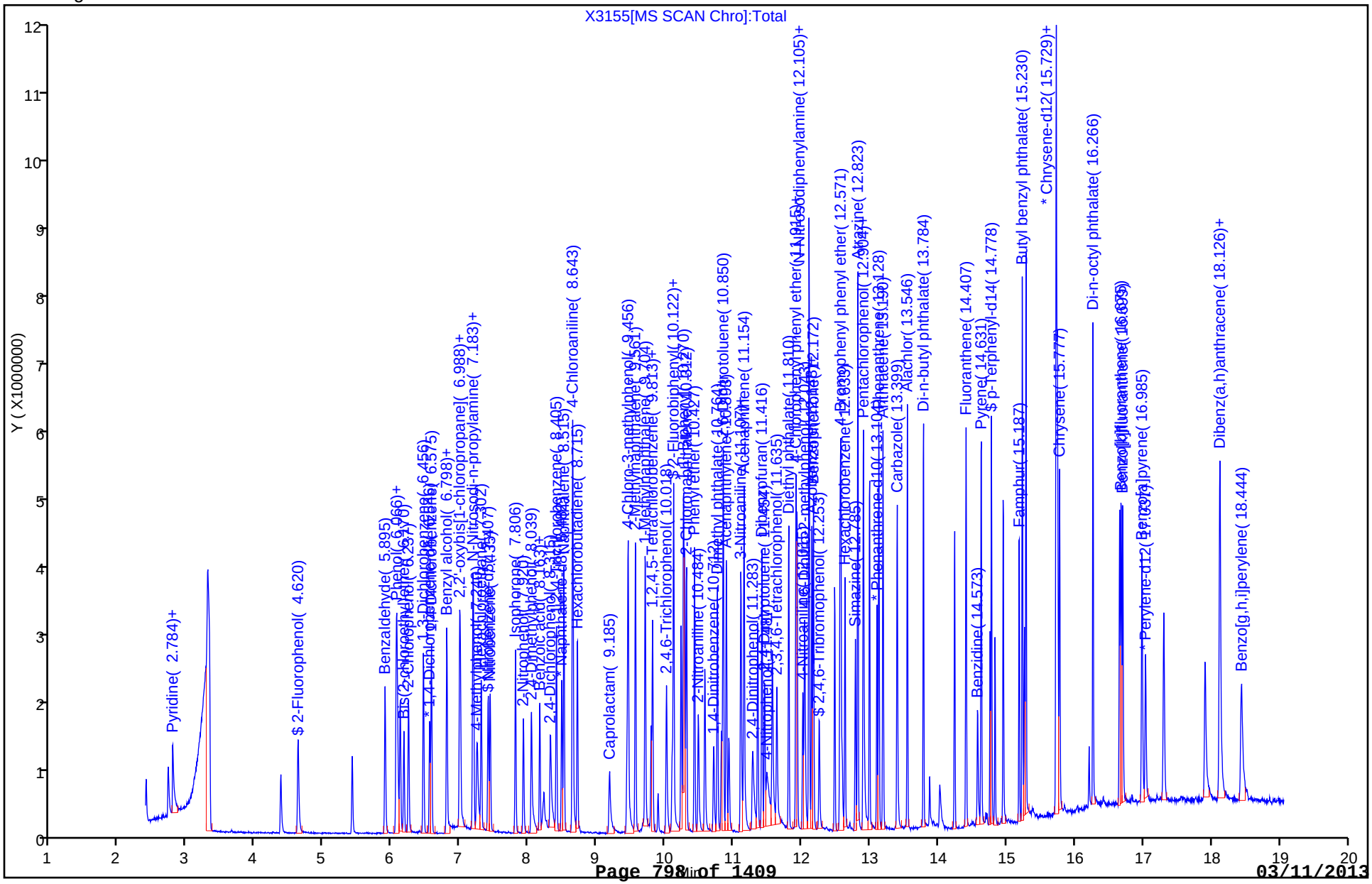
Review Flags
M - Manually Integrated

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

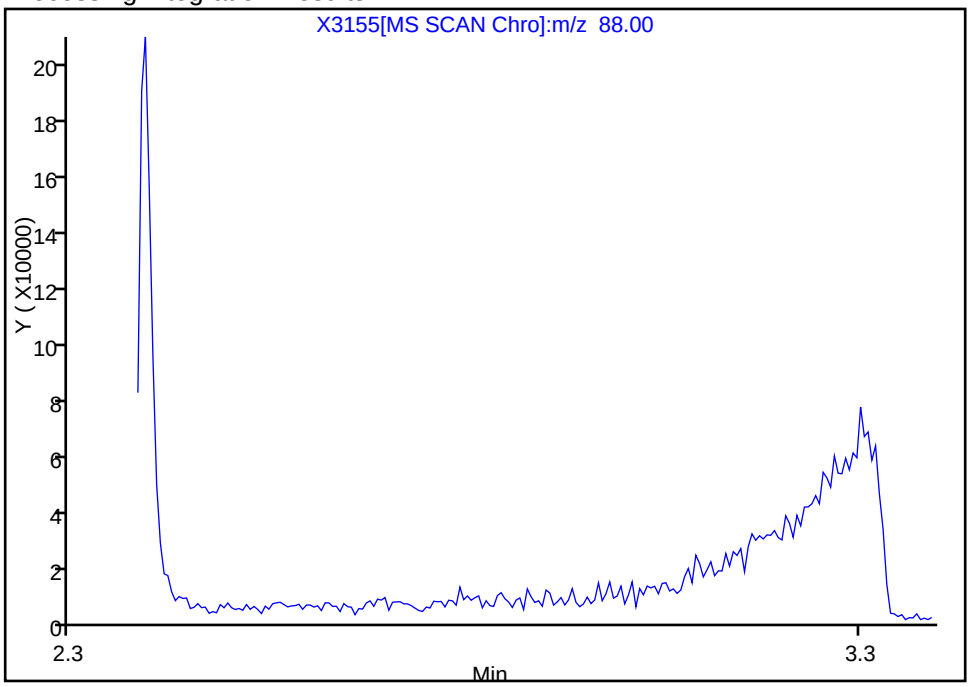
TestAmerica Buffalo

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

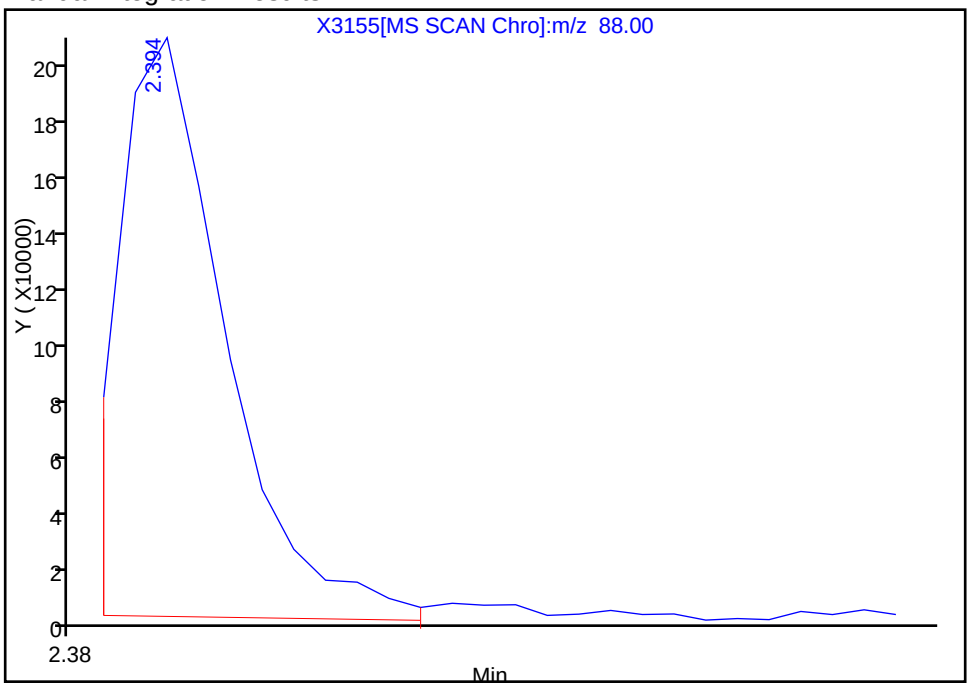
Processing Integration Results

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

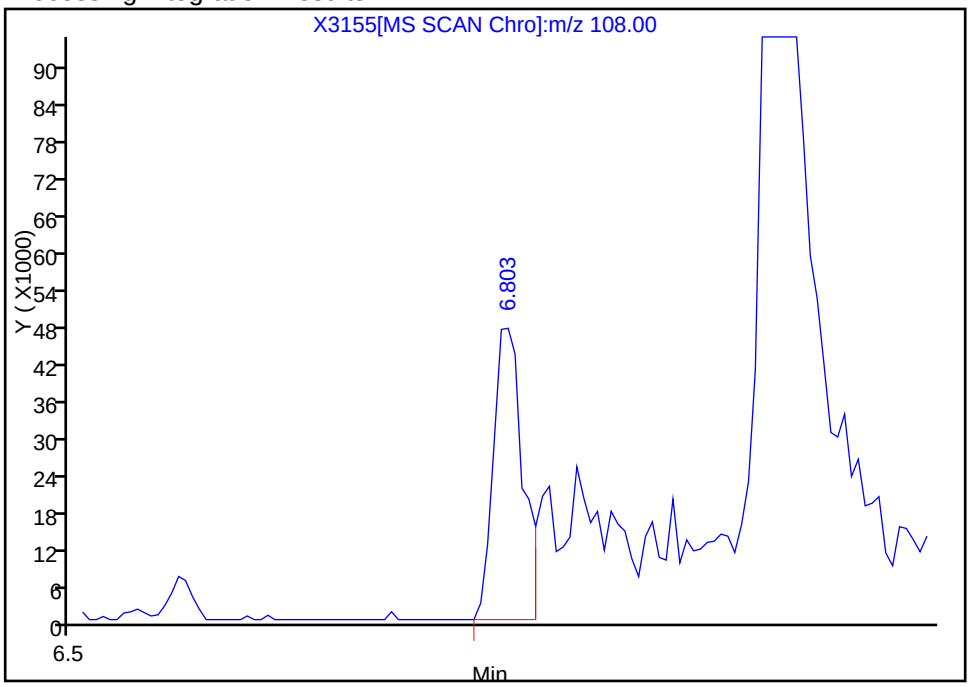
TestAmerica Buffalo

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

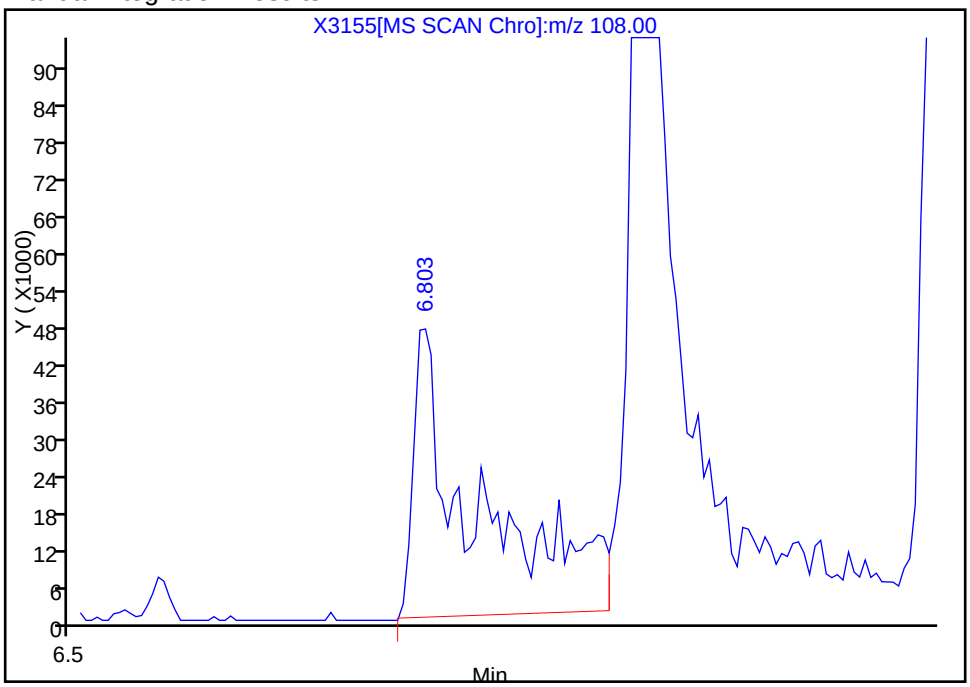
Processing Integration Results

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

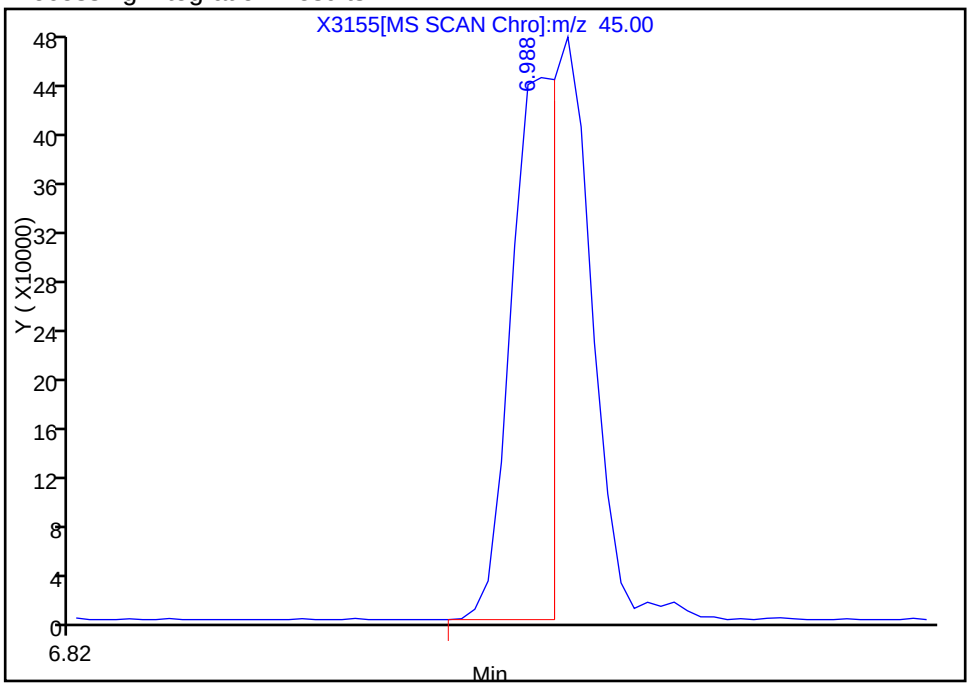
TestAmerica Buffalo

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

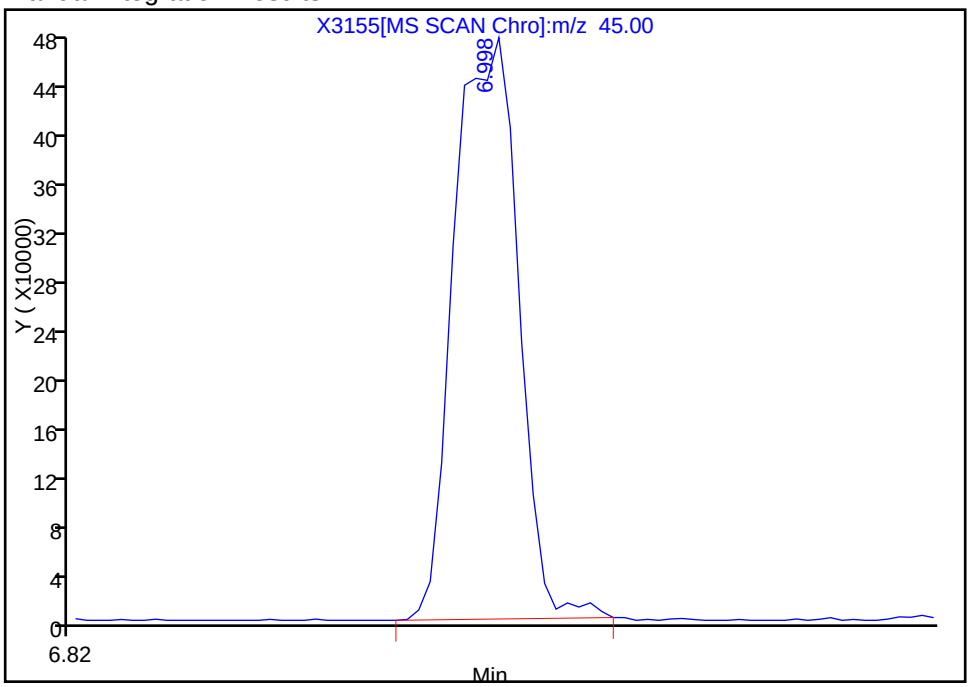
Processing Integration Results

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

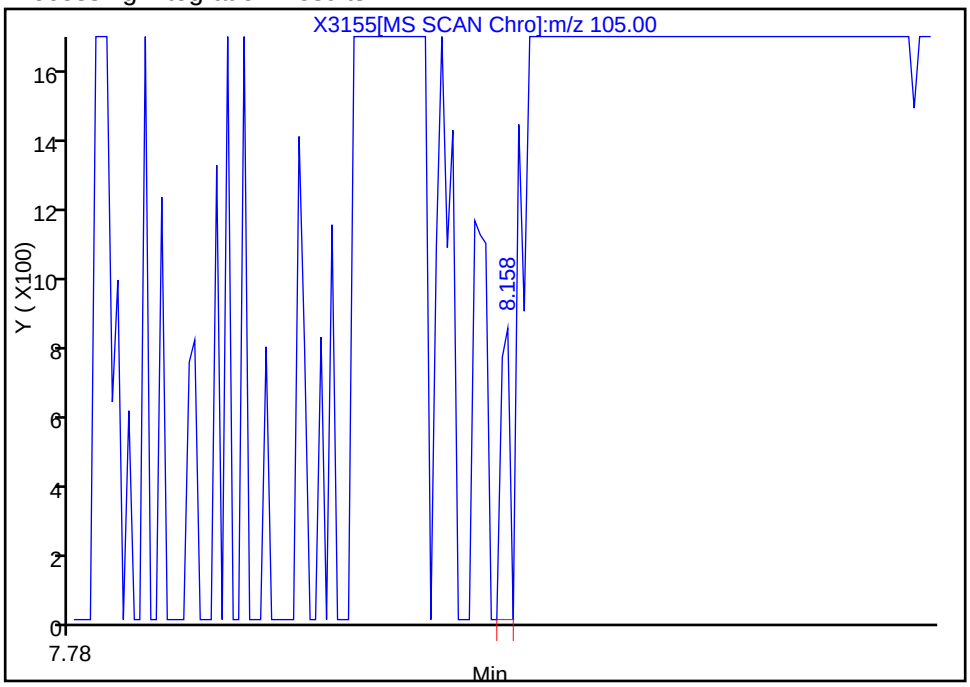
TestAmerica Buffalo

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

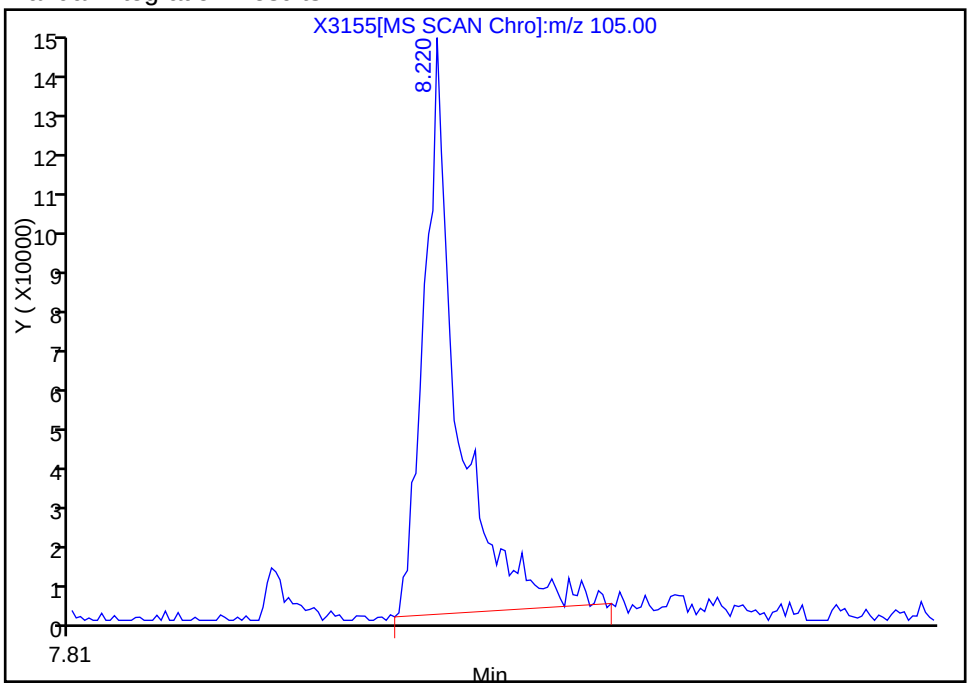
Processing Integration Results

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

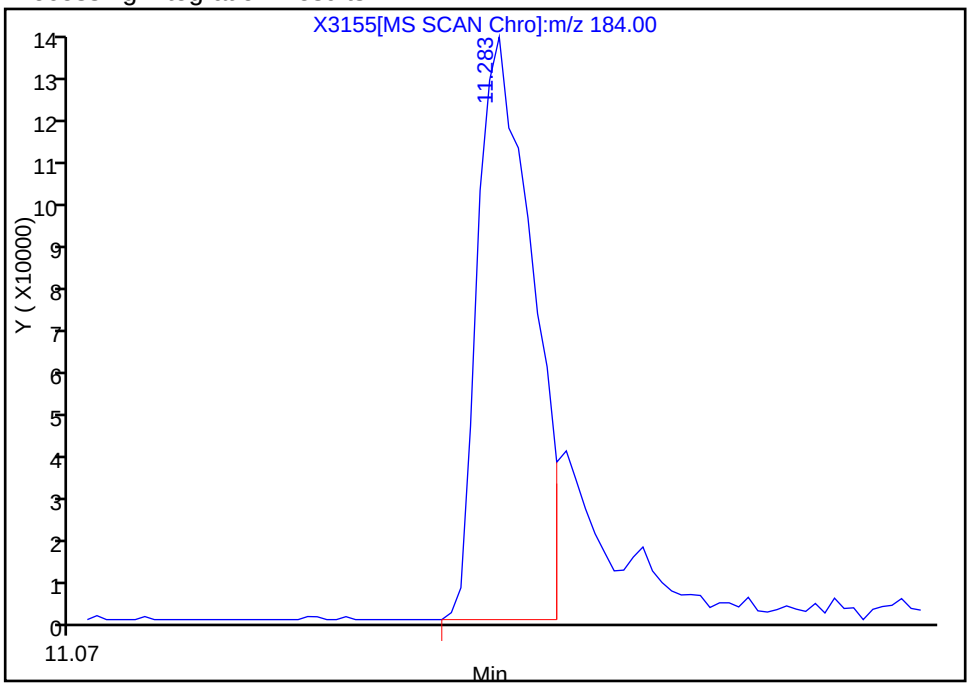
TestAmerica Buffalo

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

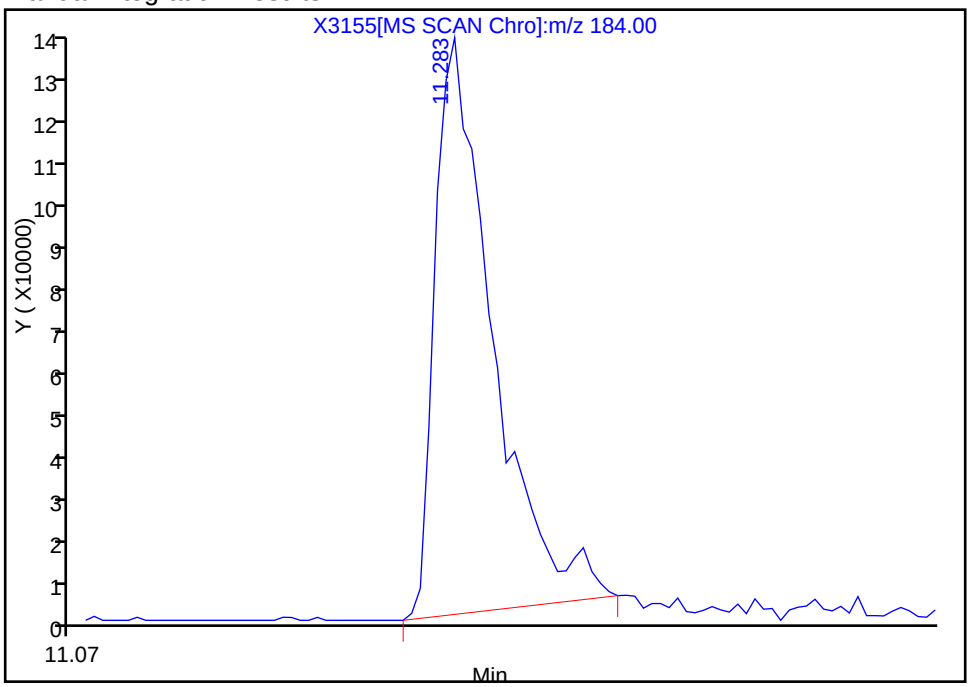
Processing Integration Results

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

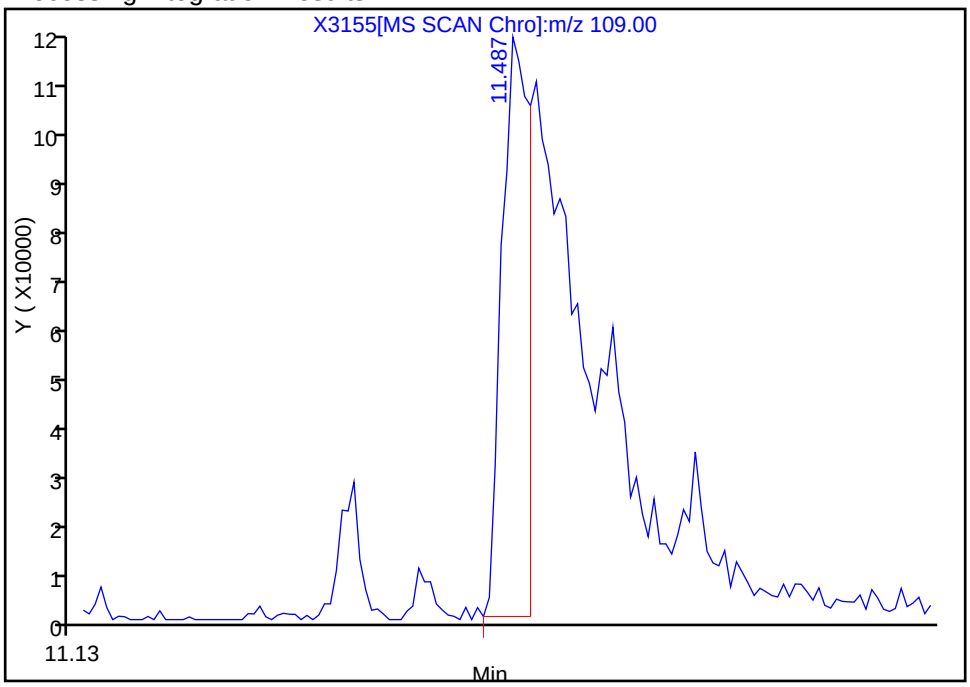
TestAmerica Buffalo

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

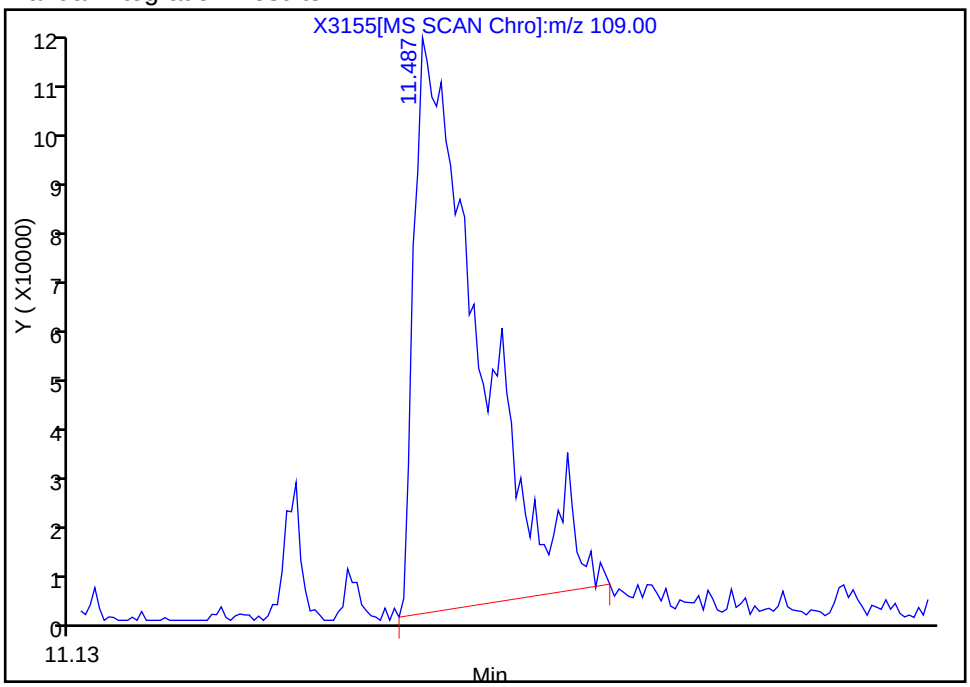
Processing Integration Results

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.: 480-30106-1

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.: 480-30106-1

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.: 480-30106-1

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

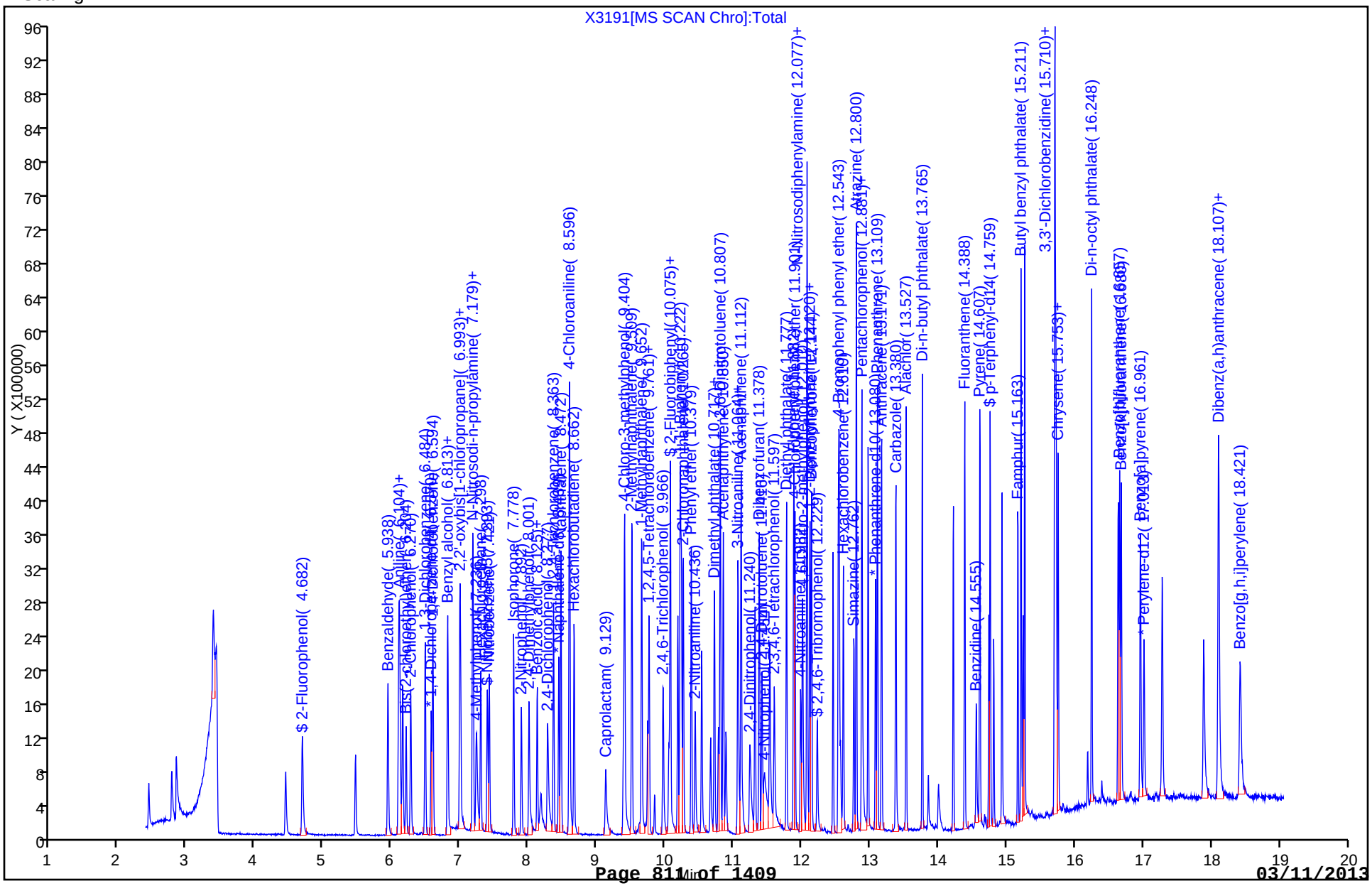
Review Flags
M - Manually Integrated

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

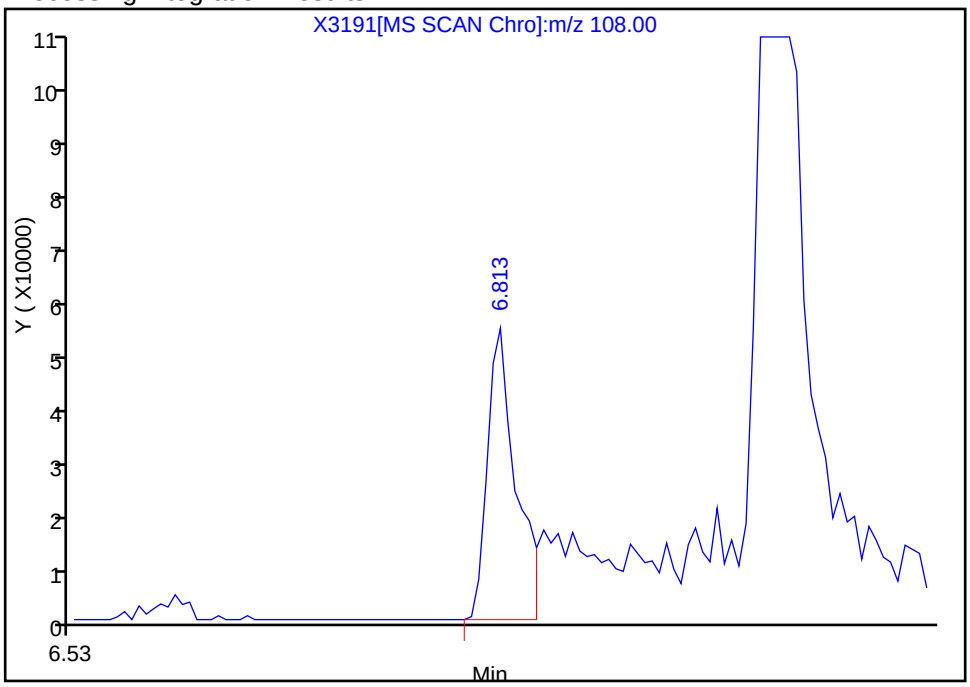
TestAmerica Buffalo

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

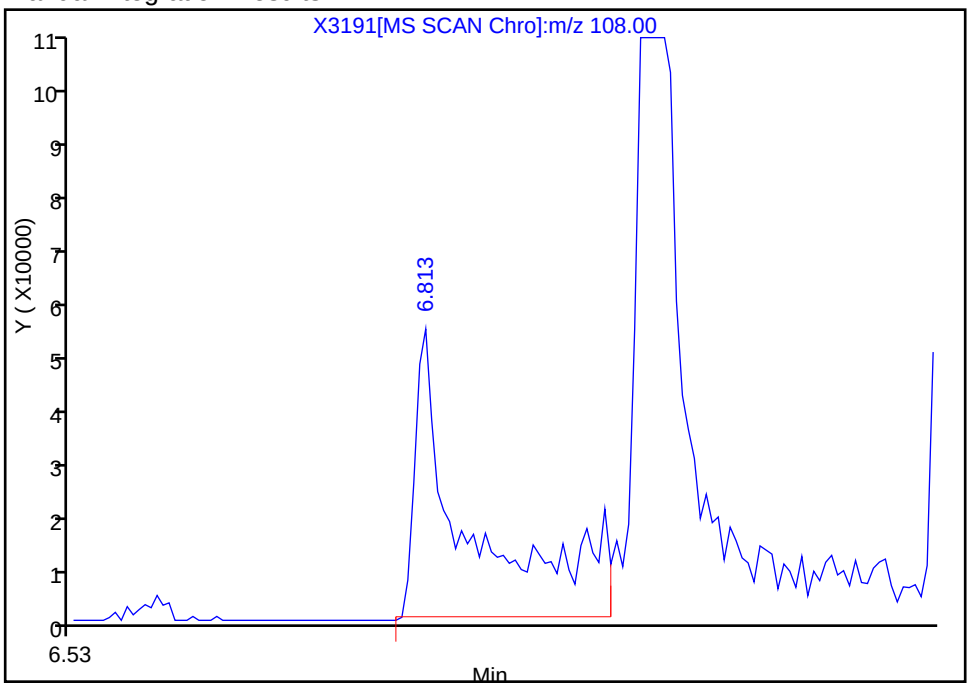
Processing Integration Results

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

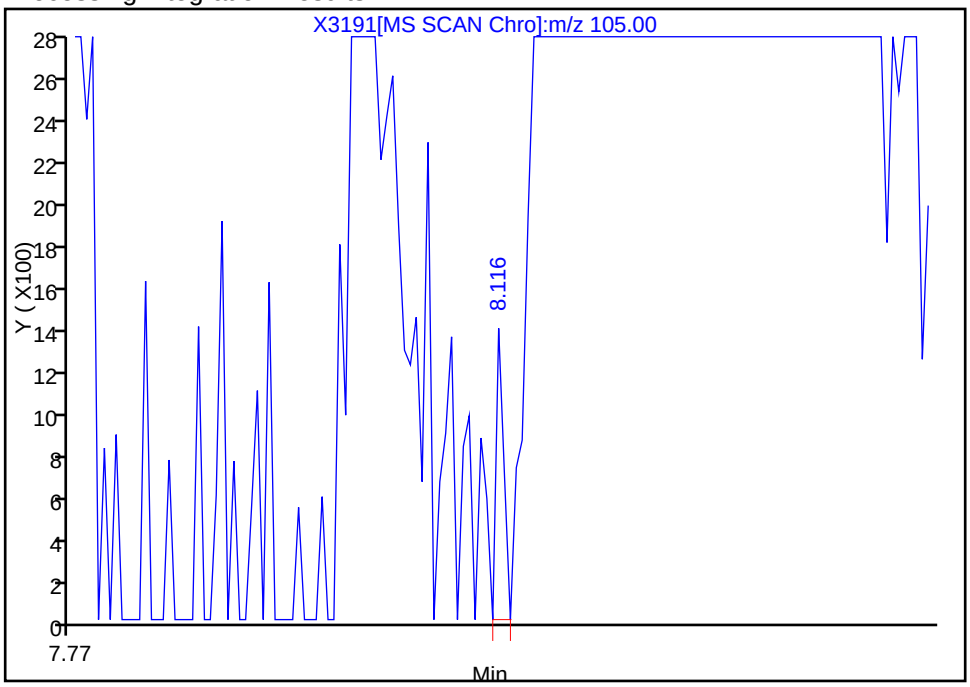
TestAmerica Buffalo

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

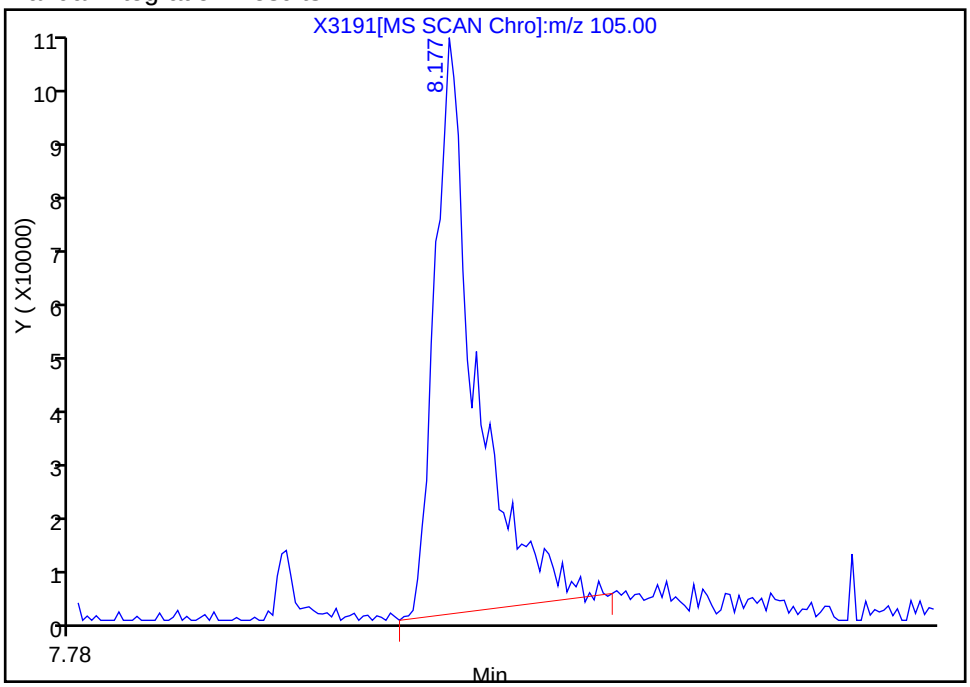
Processing Integration Results

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

Report Date: 09-Mar-2013 09:29:29 Chrom Revision: 2.0 01-Feb-2013 10:03:10

Manual Integration/User Assign Peak Report

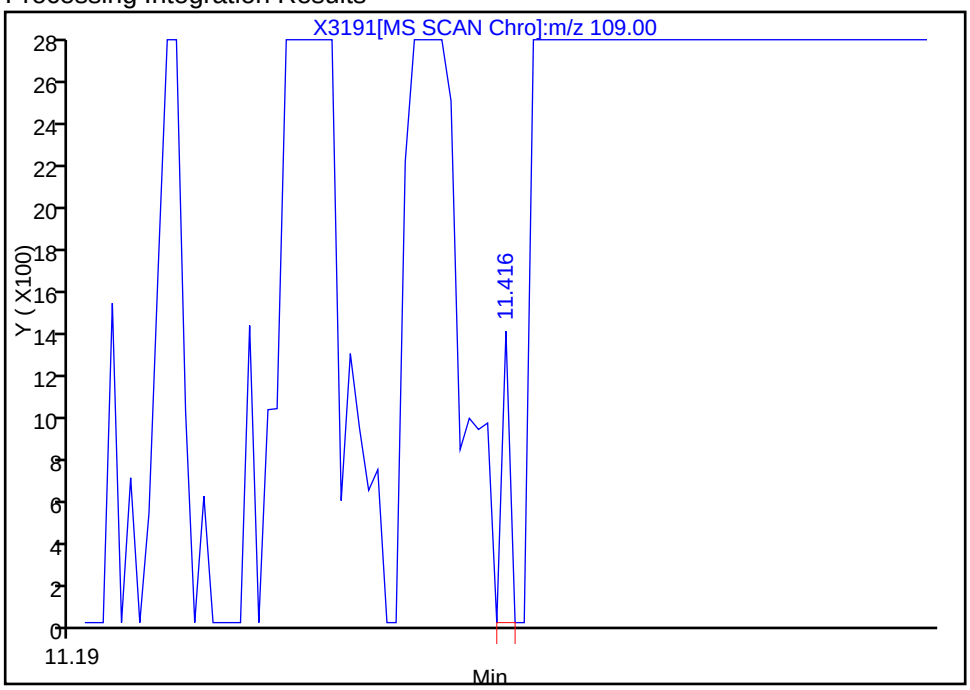
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\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

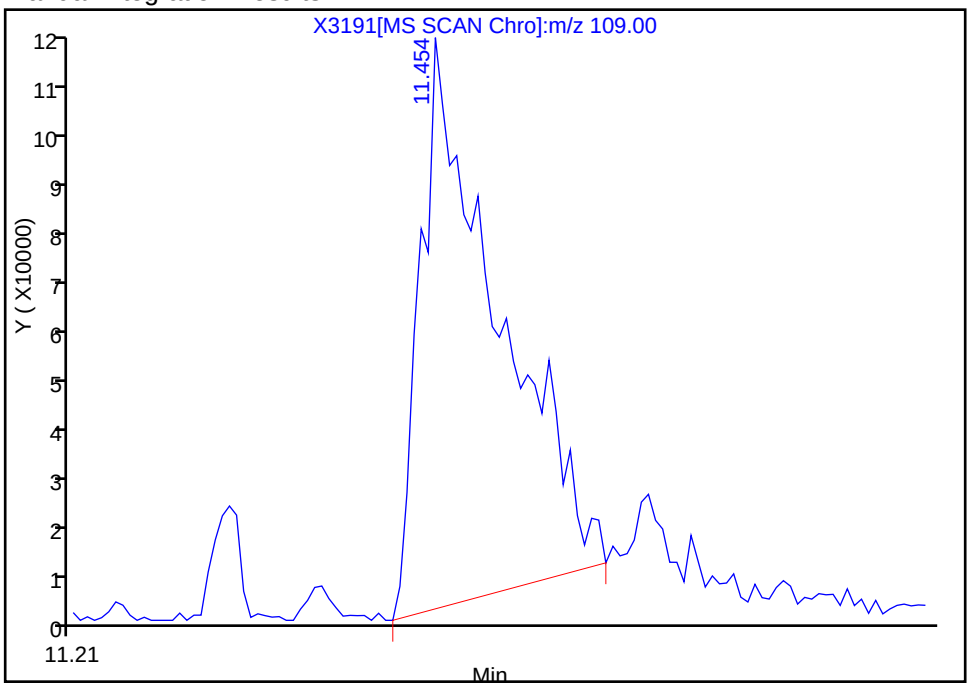
Processing Integration Results

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

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

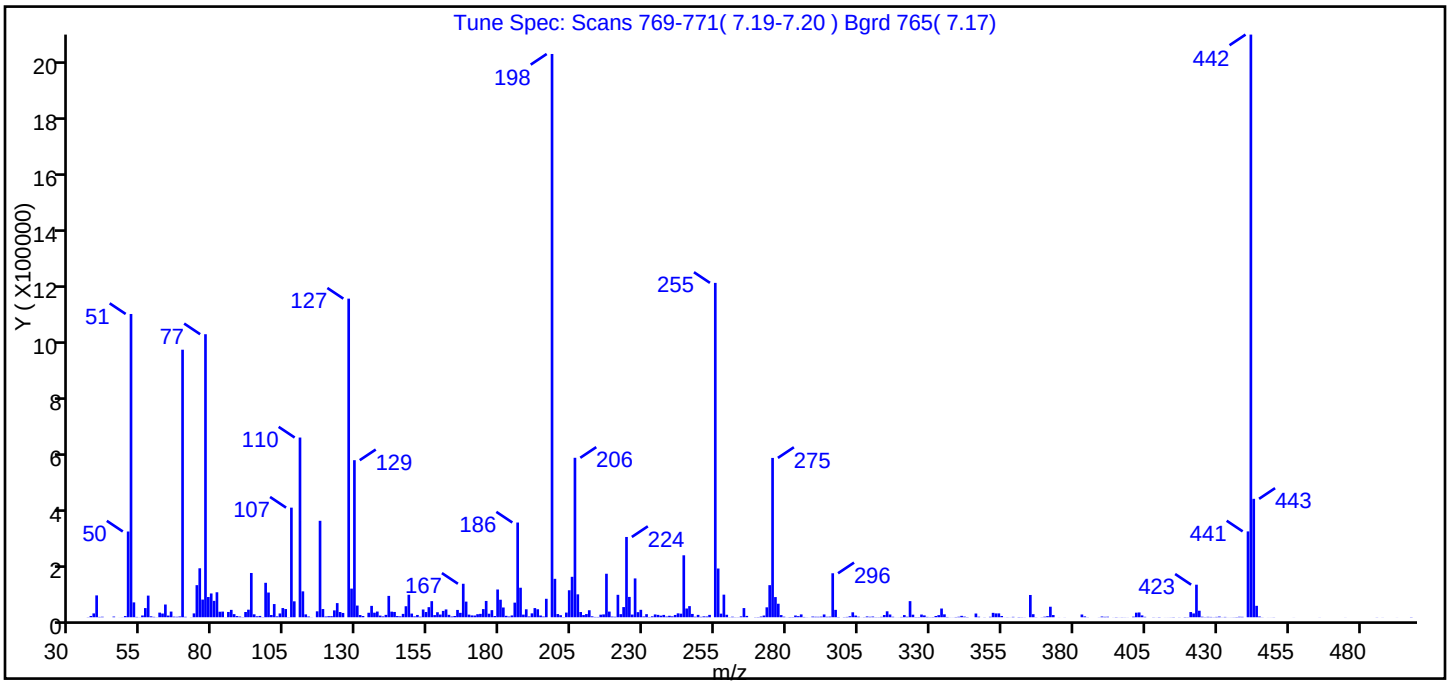
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
30 Pentachlorophenol_T	266	6.803	6.803	0.0	80	1439409	0	
35 DFTPP								
39 4,4'-DDE	246		7.713					
46 Benzidine_T	184	8.171	8.171	0.0	93	8089248	0	
50 4,4'-DDD	235	8.604	8.604	0.0	36	21681	0	
53 4,4'-DDT	235	8.839	8.839	0.0	87	3937389	0	

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

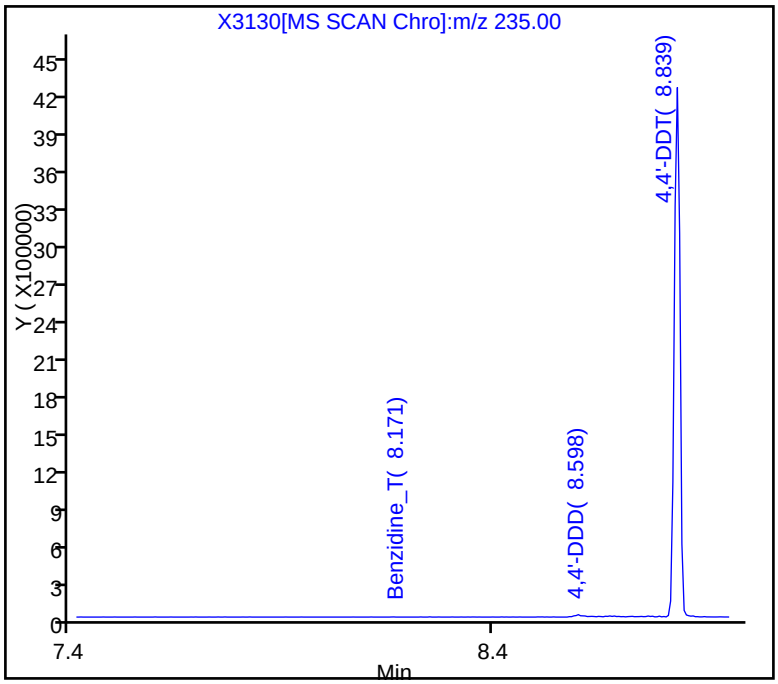
m/z	Y	m/z	Y	m/z	Y	m/z	Y
108.00	56360	209.00	7797	309.00	1700	429.00	544
110.00	635968	210.00	11285	310.00	2578	430.00	1308
111.00	91656	211.00	24832	311.00	609	431.00	2439
112.00	10233	212.00	3280	312.00	630	432.00	365
113.00	2786	213.00	1136	313.00	1487	433.00	1204
114.00	341	214.00	1108	314.00	7896	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	

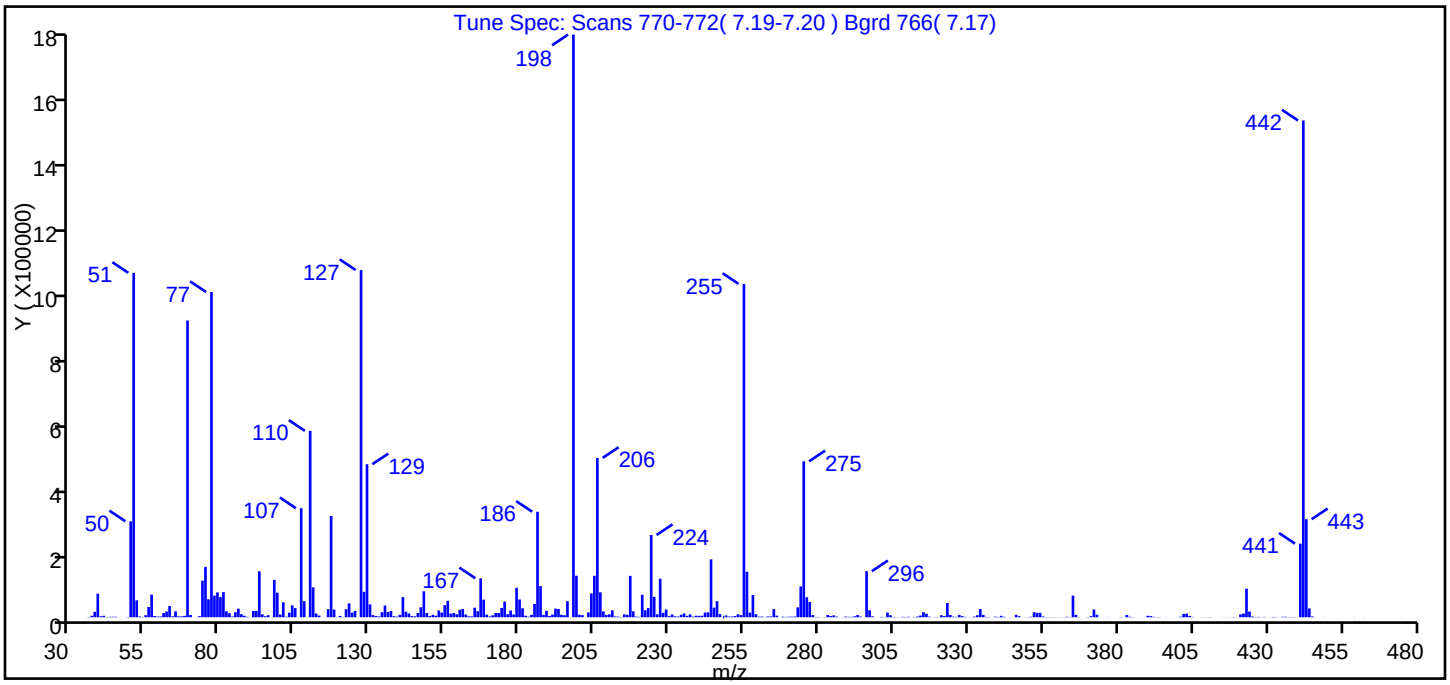
Report Date: 19-Dec-2012 13:36:03 Chrom Revision: 2.0 22-Oct-2012 16:30:48

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

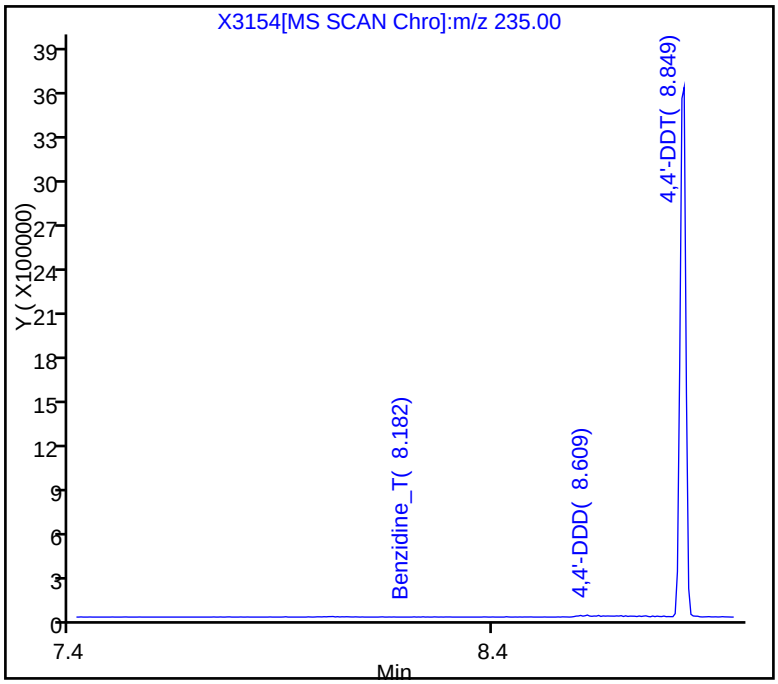
m/z	Y	m/z	Y	m/z	Y	m/z	Y
111.00	90728	210.00	8851	308.00	1293	423.00	86512
112.00	11511	211.00	20960	309.00	934	424.00	17416
113.00	5199	212.00	2445	310.00	1633	425.00	2364
116.00	24456	213.00	1815	311.00	174	426.00	814
117.00	306688	214.00	672	312.00	739	427.00	986
118.00	23256	215.00	8576	313.00	2338	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

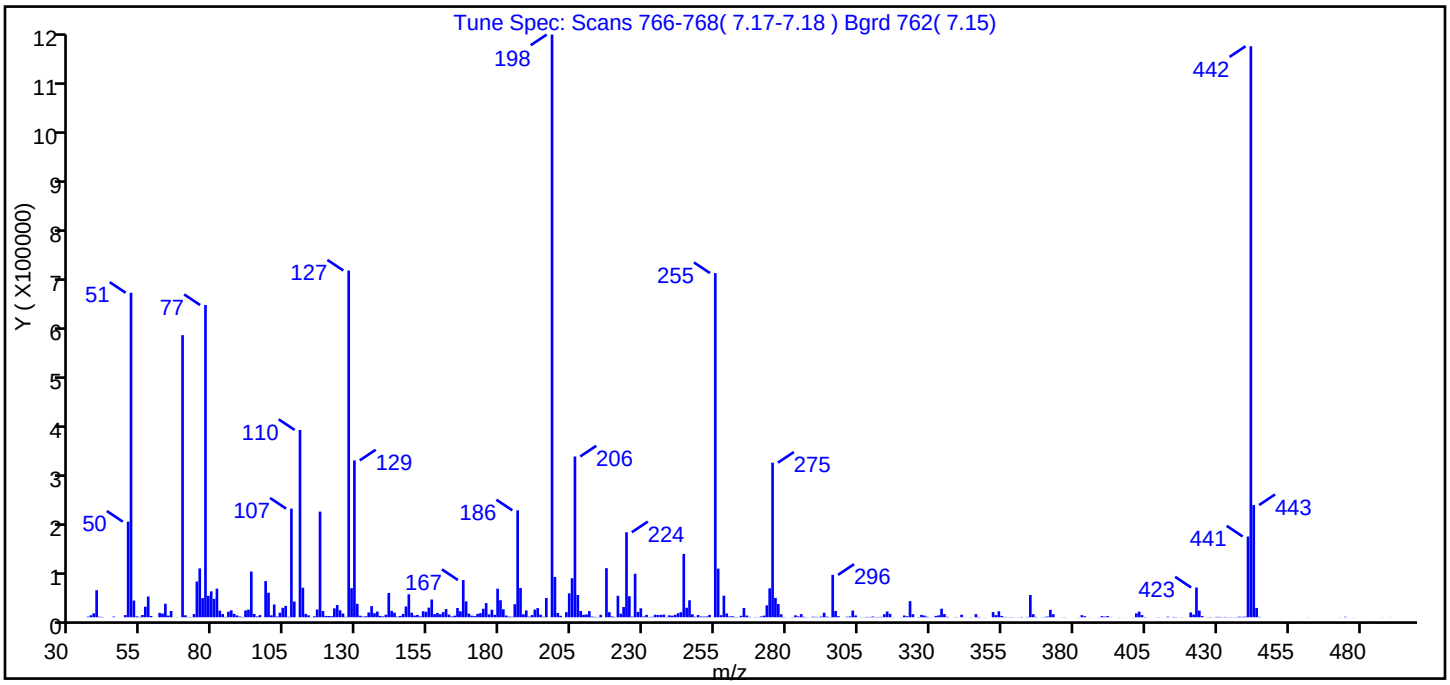
Report Date: 20-Dec-2012 11:00:50 Chrom Revision: 2.0 22-Oct-2012 16:30:48

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

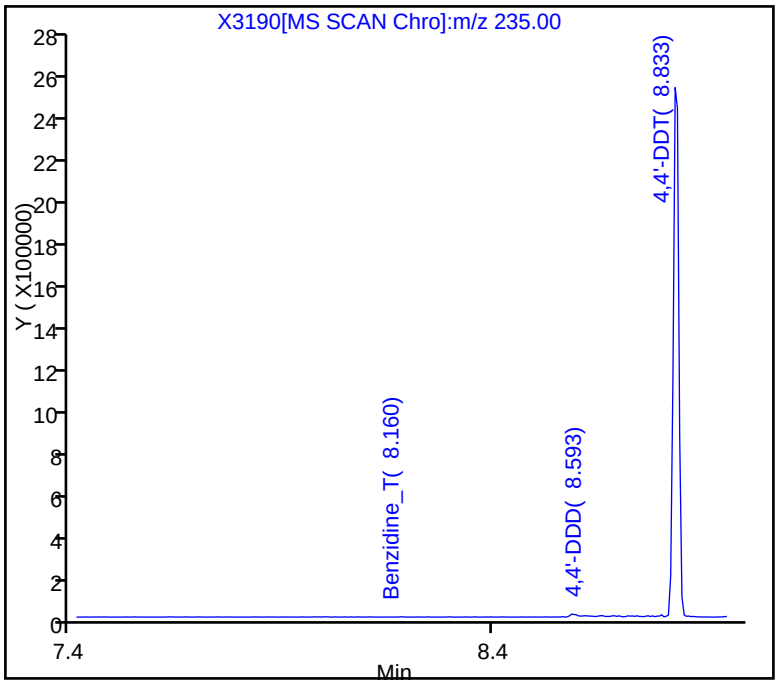
Report Date: 20-Dec-2012 11:00:50 Chrom Revision: 2.0 22-Oct-2012 16:30:48

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

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30106-1
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
621-64-7	N-Nitrosodi-n-propylamine	ND		33	9.9
7005-72-3	4-Chlorophenyl phenyl ether	ND		33	9.9
105-67-9	2,4-Dimethylphenol	ND		33	9.9
59-50-7	4-Chloro-3-methylphenol	ND		66	9.9
78-59-1	Isophorone	ND		33	9.9
50-32-8	Benzo[a]pyrene	ND		33	9.9
86-73-7	Fluorene	ND		33	9.9
106-44-5	4-Methylphenol	ND		33	9.9
100-01-6	4-Nitroaniline	ND		170	28
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
88-74-4	2-Nitroaniline	ND		170	42
191-24-2	Benzo[g,h,i]perylene	ND		33	9.9
118-74-1	Hexachlorobenzene	ND		33	9.9
105-60-2	Caprolactam	ND		33	9.9
117-84-0	Di-n-octyl phthalate	ND		33	9.9
86-74-8	Carbazole	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
534-52-1	4,6-Dinitro-2-methylphenol	ND		170	32
207-08-9	Benzo[k]fluoranthene	ND		33	17
90-12-0	1-Methylnaphthalene	ND		33	9.9
51-28-5	2,4-Dinitrophenol	ND		33	27
120-12-7	Anthracene	ND		33	9.9
86-30-6	N-Nitrosodiphenylamine	ND		33	9.9
91-57-6	2-Methylnaphthalene	ND		33	9.9
84-74-2	Di-n-butyl phthalate	ND		170	50

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo
Job No.: 480-30106-1
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
120-82-1	1,2,4-Trichlorobenzene	ND		33	9.9
1912-24-9	Atrazine	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
101-84-8	Phenyl ether	ND		33	9.9
100-52-7	Benzaldehyde	ND		33	9.9
98-95-3	Nitrobenzene	ND		33	9.9
103-33-3	Azobenzene	ND		33	9.9
91-20-3	Naphthalene	ND		33	9.9
88-06-2	2,4,6-Trichlorophenol	ND		33	14
77-47-4	Hexachlorocyclopentadiene	ND		66	9.9
99-09-2	3-Nitroaniline	ND		170	9.9
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
62-75-9	N-Nitrosodimethylamine	ND		33	9.9
101-55-3	4-Bromophenyl phenyl ether	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
84-66-2	Diethyl phthalate	ND		33	11
65-85-0	Benzoic acid	ND		170	15
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

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo
Job No.: 480-30106-1
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
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
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.: 480-30106-1
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

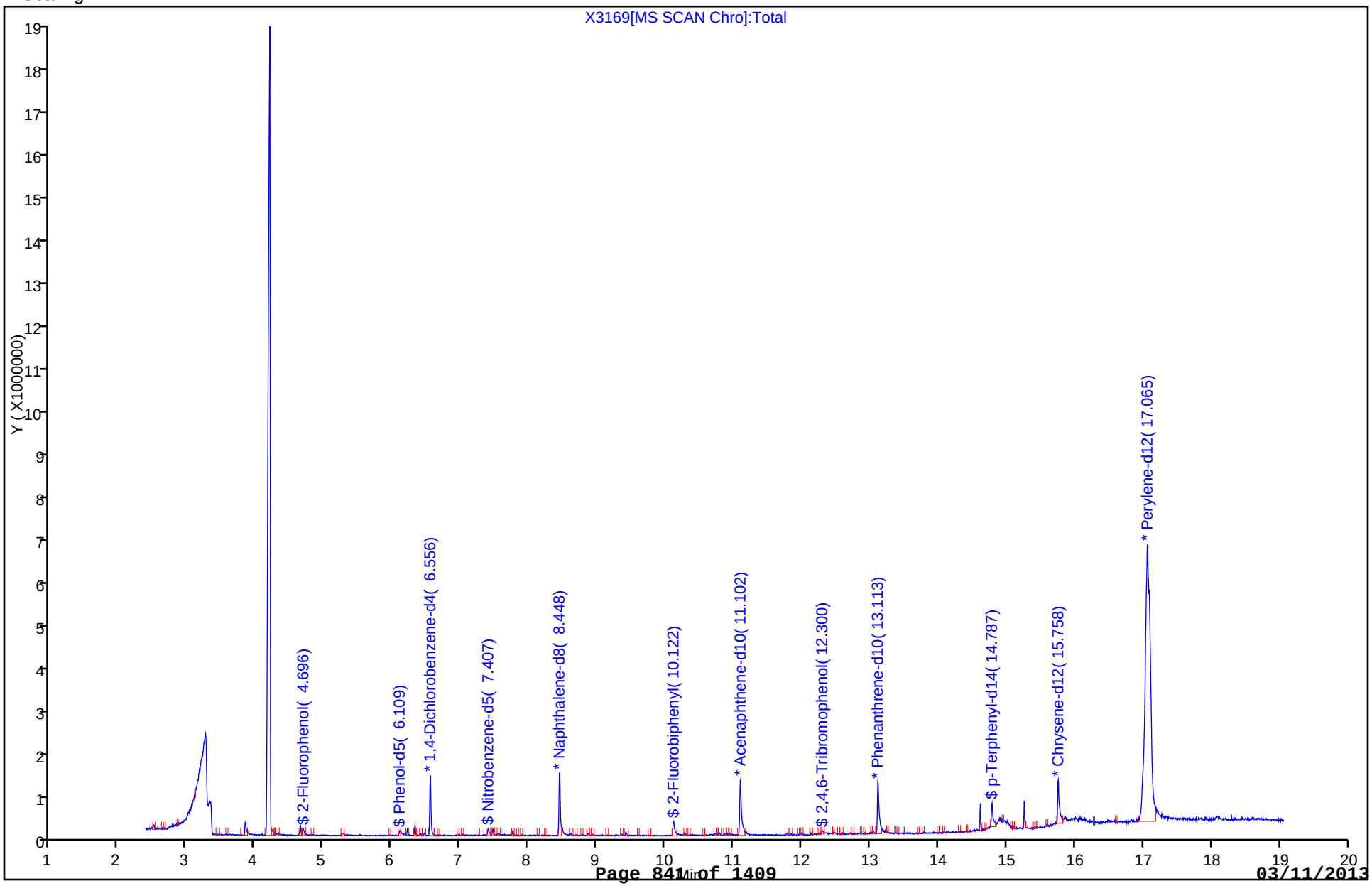
Processing Flags

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:



Manual Integration/User Assign Peak Report

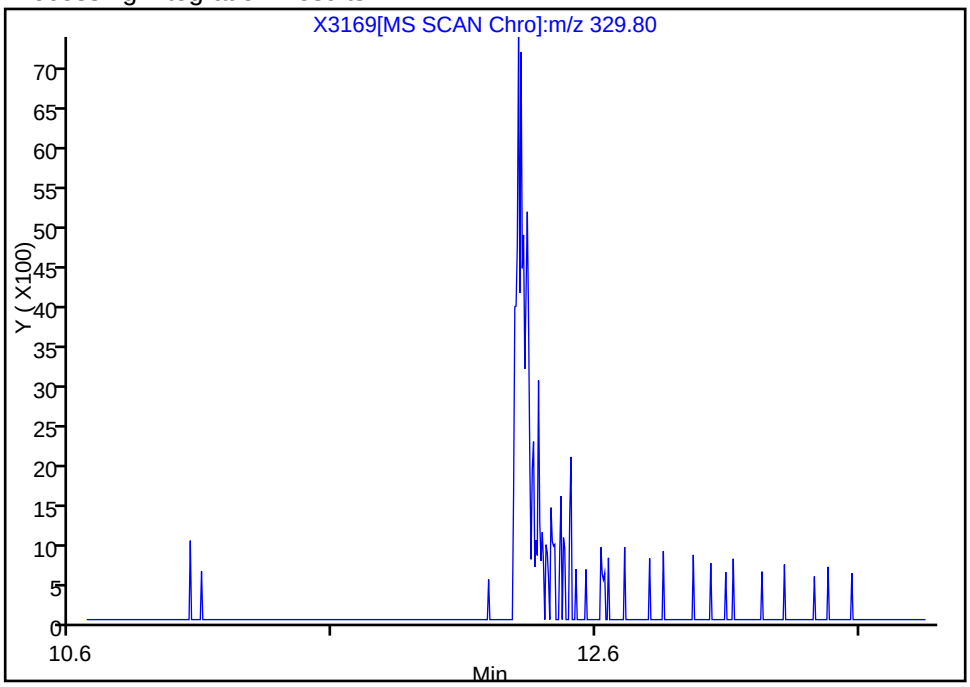
TestAmerica Buffalo

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

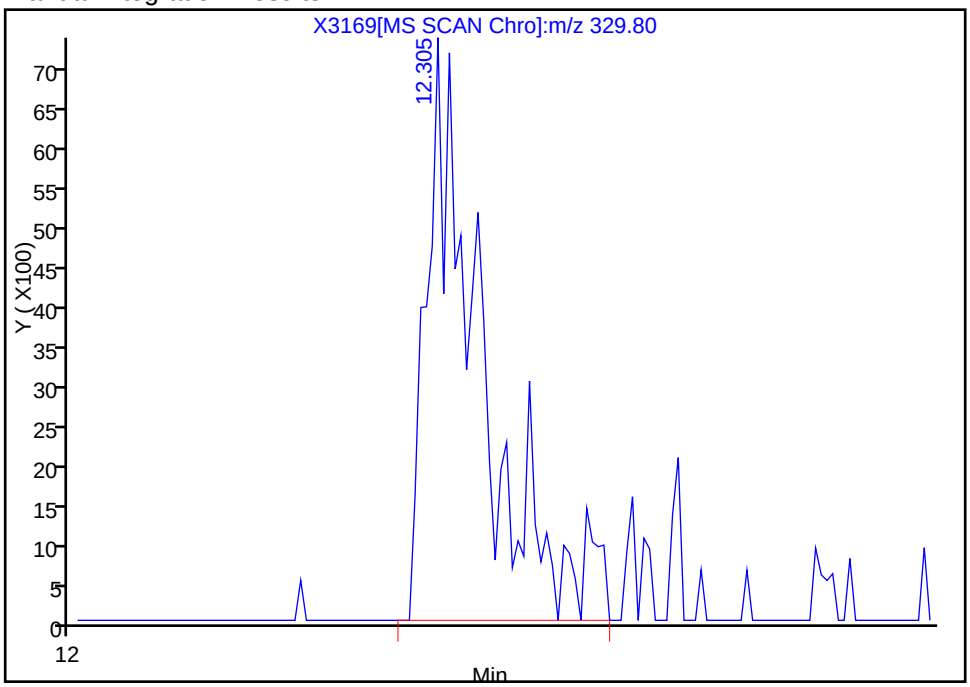
Processing Integration Results

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

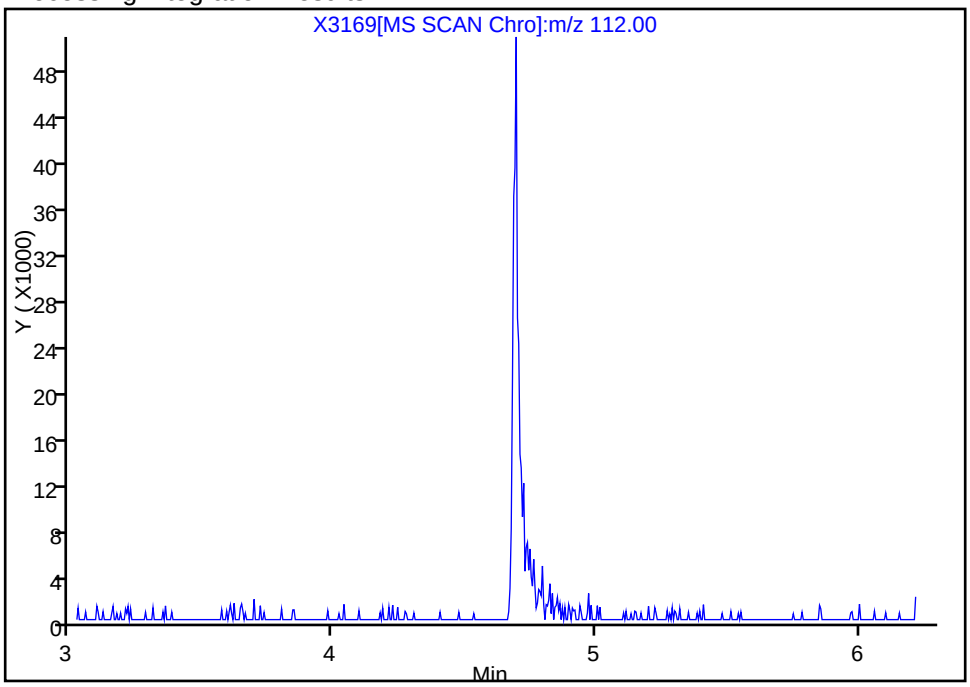
TestAmerica Buffalo

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

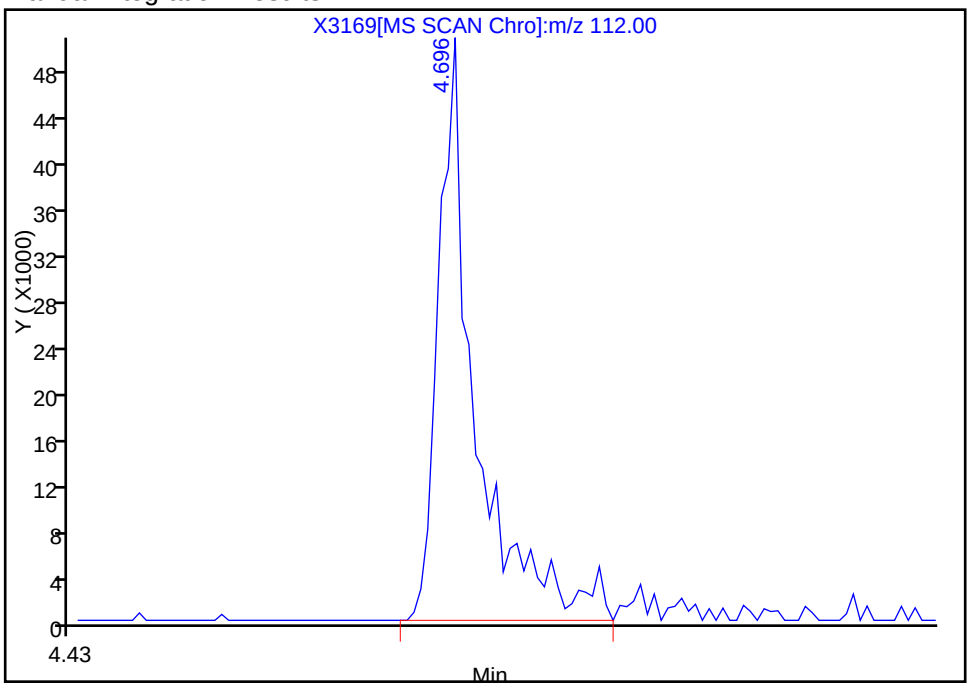
Processing Integration Results

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

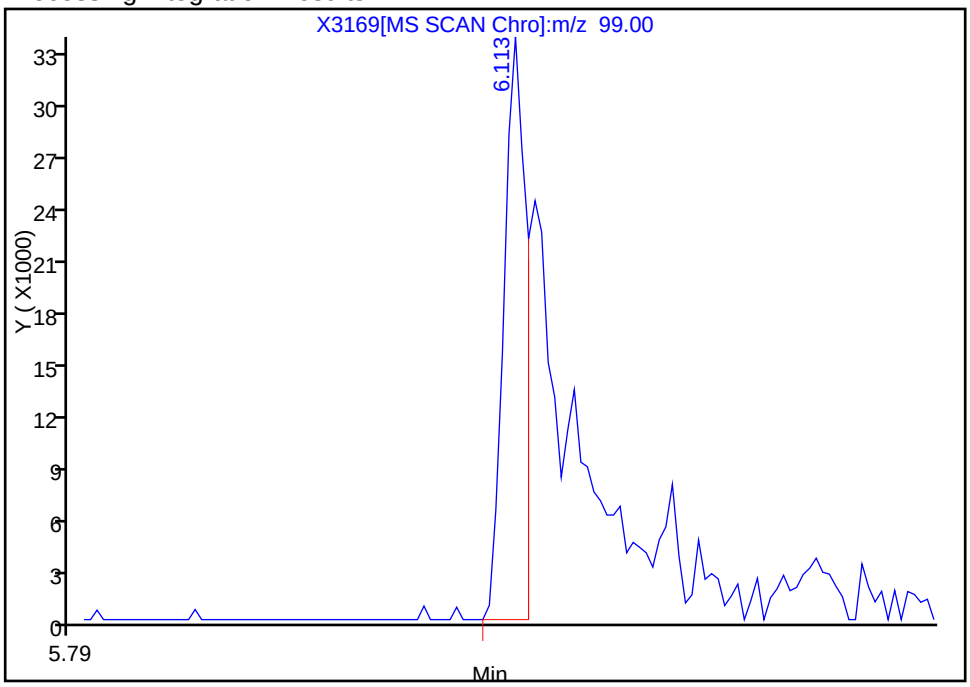
TestAmerica Buffalo

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

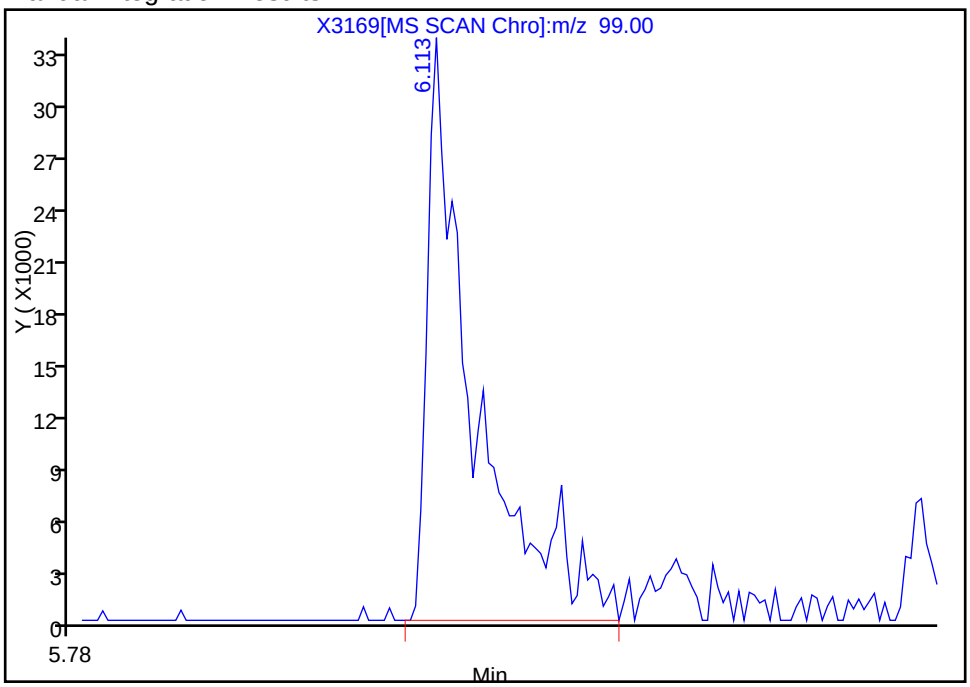
Processing Integration Results

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

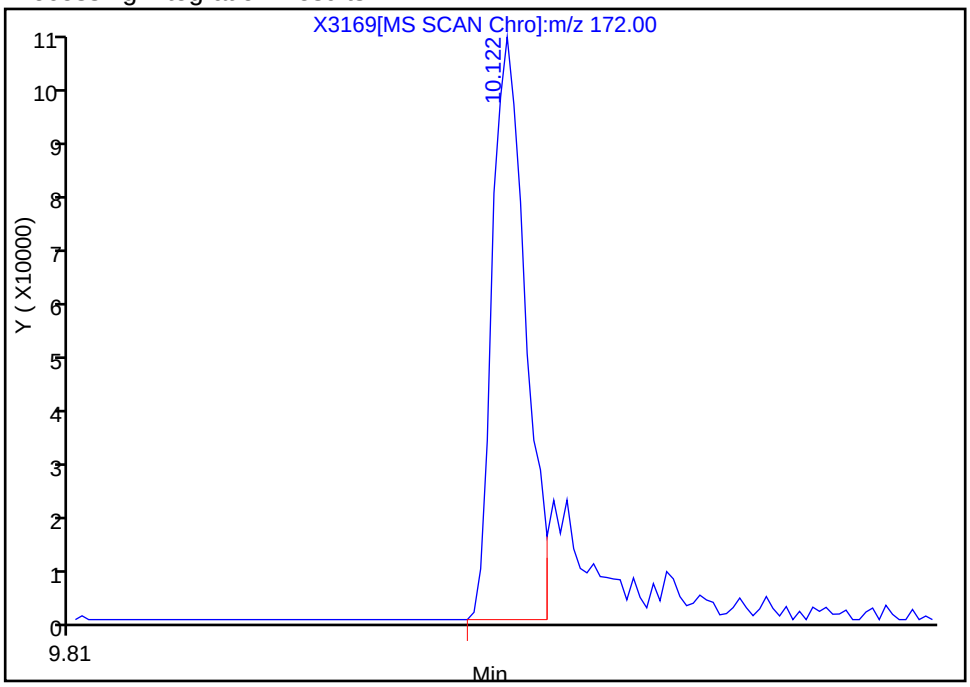
TestAmerica Buffalo

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

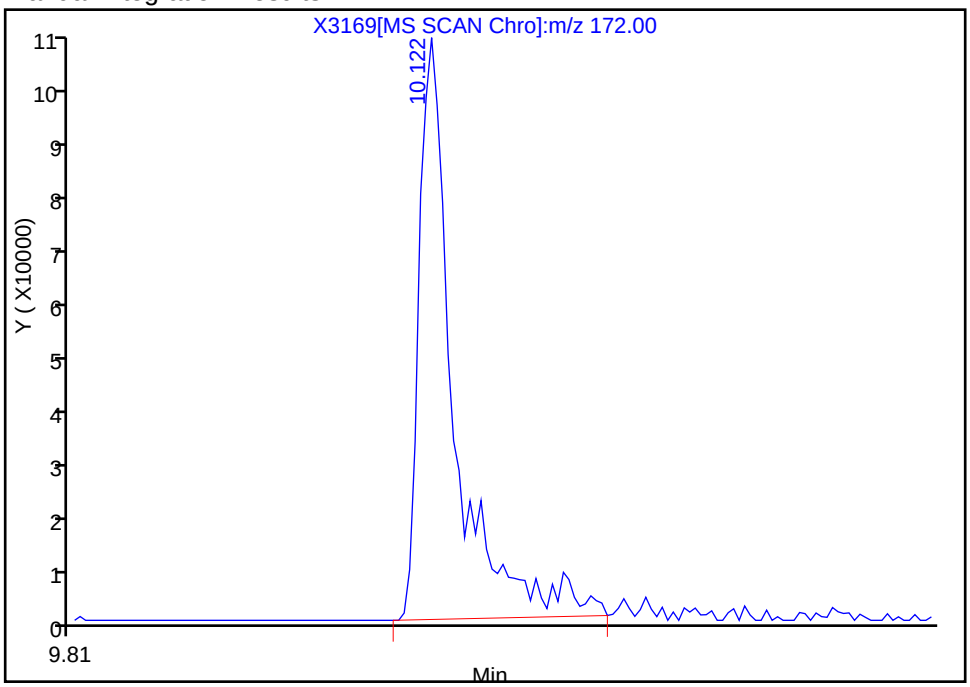
Processing Integration Results

RT: 10.12
Response: 168854
Amount: 1.080443



Manual Integration Results

RT: 10.12
Response: 217732
Amount: 1.532278



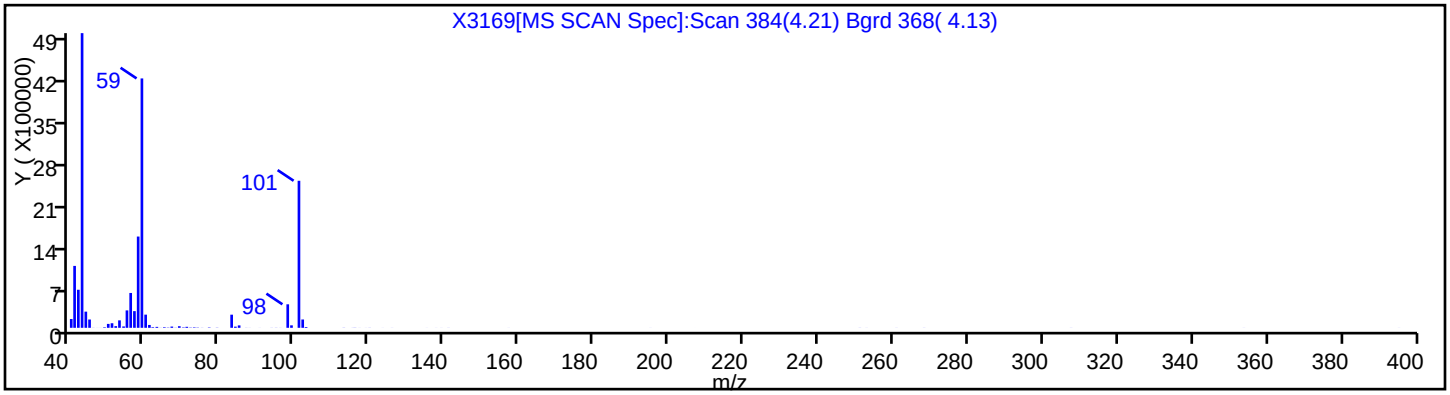
Reviewer: mckernar, 20-Dec-2012 09:27:24
Audit Action: Manually Integrated
Audit Reason: Assign Peak

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.: 480-30106-1
SDG No.:
Client Sample ID: | Lab Sample ID: MB 480-96561/1-A
Matrix: Solid | Lab File ID: X3202.D
Analysis Method: 8270D | Date Collected:
Extract. Method: 3546 | Date Extracted: 12/19/2012 09:30
Sample wt/vol: 000030.4(g) | Date Analyzed: 12/20/2012 15:17
Con. Extract Vol.: 1(mL) | Dilution Factor: 1
Injection Volume: 1(uL) | Level: (low/med) Low
% Moisture: | GPC Cleanup:(Y/N) N
Analysis Batch No.: 96803 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
117-81-7	Bis(2-ethylhexyl) phthalate	ND		160	66
95-95-4	2,4,5-Trichlorophenol	ND		33	11
62-53-3	Aniline	ND		33	9.9
67-72-1	Hexachloroethane	ND		33	9.9
131-11-3	Dimethyl phthalate	ND		33	9.9
621-64-7	N-Nitrosodi-n-propylamine	ND		33	9.9
7005-72-3	4-Chlorophenyl phenyl ether	ND		33	9.9
105-67-9	2,4-Dimethylphenol	ND		33	9.9
59-50-7	4-Chloro-3-methylphenol	ND		66	9.9
78-59-1	Isophorone	ND		33	9.9
50-32-8	Benzo[a]pyrene	ND		33	9.9
86-73-7	Fluorene	ND		33	9.9
106-44-5	4-Methylphenol	ND		33	9.9
100-01-6	4-Nitroaniline	ND		160	28
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
88-74-4	2-Nitroaniline	ND		160	41
191-24-2	Benzo[g,h,i]perylene	ND		33	9.9
118-74-1	Hexachlorobenzene	ND		33	9.9
105-60-2	Caprolactam	ND		33	9.9
117-84-0	Di-n-octyl phthalate	ND		33	9.9
86-74-8	Carbazole	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
534-52-1	4,6-Dinitro-2-methylphenol	ND		160	32
207-08-9	Benzo[k]fluoranthene	ND		33	17
90-12-0	1-Methylnaphthalene	ND		33	9.9
51-28-5	2,4-Dinitrophenol	ND		33	27
120-12-7	Anthracene	ND		33	9.9
86-30-6	N-Nitrosodiphenylamine	ND		33	9.9
91-57-6	2-Methylnaphthalene	ND		33	9.9
84-74-2	Di-n-butyl phthalate	ND		160	49

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30106-1
SDG No.:
Client Sample ID: | Lab Sample ID: MB 480-96561/1-A
Matrix: Solid | Lab File ID: X3202.D
Analysis Method: 8270D | Date Collected:
Extract. Method: 3546 | Date Extracted: 12/19/2012 09:30
Sample wt/vol: 000030.4(g) | Date Analyzed: 12/20/2012 15:17
Con. Extract Vol.: 1(mL) | Dilution Factor: 1
Injection Volume: 1(uL) | Level: (low/med) Low
% Moisture: | GPC Cleanup:(Y/N) N
Analysis Batch No.: 96803 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
120-82-1	1,2,4-Trichlorobenzene	ND		33	9.9
1912-24-9	Atrazine	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
101-84-8	Phenyl ether	ND		33	9.9
100-52-7	Benzaldehyde	ND		33	9.9
98-95-3	Nitrobenzene	ND		33	9.9
103-33-3	Azobenzene	ND		33	9.9
91-20-3	Naphthalene	ND		33	9.9
88-06-2	2,4,6-Trichlorophenol	ND		33	14
77-47-4	Hexachlorocyclopentadiene	ND		66	9.9
99-09-2	3-Nitroaniline	ND		160	9.9
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
62-75-9	N-Nitrosodimethylamine	ND		33	9.9
101-55-3	4-Bromophenyl phenyl ether	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
84-66-2	Diethyl phthalate	ND		33	11
65-85-0	Benzoic acid	ND		160	15
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
122-66-7	1,2-Diphenylhydrazine	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

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo
Job No.: 480-30106-1
SDG No.:
Client Sample ID:
Lab Sample ID: MB 480-96561/1-A
Matrix: Solid
Lab File ID: X3202.D
Analysis Method: 8270D
Date Collected:
Extract. Method: 3546
Date Extracted: 12/19/2012 09:30
Sample wt/vol: 000030.4(g)
Date Analyzed: 12/20/2012 15:17
Con. Extract Vol.: 1(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
Level: (low/med) Low
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 96803
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
218-01-9	Chrysene	ND		33	9.9
83-32-9	Acenaphthene	ND		33	9.9
205-99-2	Benzo[b]fluoranthene	ND		33	9.9
100-02-7	4-Nitrophenol	ND		160	14
106-47-8	4-Chloroaniline	ND		66	30
95-57-8	2-Chlorophenol	ND		33	9.9
606-20-2	2,6-Dinitrotoluene	ND		33	28
108-95-2	Phenol	ND		33	9.9
15831-10-4	3 & 4 Methylphenol	ND		33	9.9
106-46-7	1,4-Dichlorobenzene	ND		33	9.9
111-91-1	Bis(2-chloroethoxy)methane	ND		33	9.9
91-58-7	2-Chloronaphthalene	ND		33	9.9
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		33	9.9

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	90		30-130
367-12-4	2-Fluorophenol	81		30-130
4165-60-0	Nitrobenzene-d5	103		30-130
4165-62-2	Phenol-d5	77		30-130
321-60-8	2-Fluorobiphenyl	96		30-130
1718-51-0	p-Terphenyl-d14	92		30-130

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

Lab Name: TestAmerica Buffalo
Job No.: 480-30106-1
SDG No.:
Client Sample ID:
Lab Sample ID: MB 480-96561/1-A
Matrix: Solid
Lab File ID: X3202.D
Analysis Method: 8270D
Date Collected:
Extract. Method: 3546
Date Extracted: 12/19/2012 09:30
Sample wt/vol: 000030.4(g)
Date Analyzed: 12/20/2012 15:17
Con. Extract Vol.: 1(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
Level: (low/med) Low
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 96803
Units: ug/Kg
Number TICs Found: 10
TIC Result Total: 6079.1

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	3.85	77.6	T J
	Unknown	4.22	5300	T J
	Unknown	6.97	47.0	T J
54833-48-6	Heptadecane, 2,6,10,15-tetramethyl-	9.18	48.7	T J N
	Unknown	10.98	52.3	T J
31295-56-4	Dodecane, 2,6,11-trimethyl-	12.46	39.9	T J N
	Unknown	14.54	65.7	T J
111-6-8	Hexadecanoic acid, butyl ester	14.61	68.2	T J N
123-95-5	Octadecanoic acid, butyl ester	15.26	82.7	T J N
7683-64-9	Squalene	16.46	297	T J N

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3202.D		
Lims ID:	MB 480-96561/1-A	Client ID:	
Inject. Date:	20-Dec-2012 15:17:30	Dil. Factor:	1.0000
Sample Type:	MB		
Sample ID:	480-0017736-012		
Misc. Info.:			
Operator:	ANM	Instrument ID:	HP5973X
Injection Vol:	1.0 ul	ALS Bottle#:	14
Lims Batch ID:	96803	Lims Sample ID:	12
Detector:	MS SCAN		

Method:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X-8270LL.m		
Last Update:	09-Mar-2013 09:29:35	Calib Date:	18-Dec-2012 14:44:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3139.D		
Limit Group:	MB - 8270RCP_MCP ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm
Process Host:	XAWRK034		

First Level Reviewer: mckernar Date: 20-Dec-2012 16:03:48

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.556	6.570	-0.014	81	175457	5.00	
* 2 Naphthalene-d8	136	8.448	8.439	0.009	96	633704	5.00	
* 3 Acenaphthene-d10	164	11.097	11.064	0.033	90	352883	5.00	
* 4 Phenanthrene-d10	188	13.114	13.080	0.034	95	503443	5.00	M
* 5 Chrysene-d12	240	15.753	15.734	0.019	97	437519	5.00	
* 6 Perylene-d12	264	17.037	17.013	0.024	97	487766	5.00	
$ 7 2-Fluorophenol	112	4.687	4.682	0.005	1	64800	1.63	
$ 8 Phenol-d5	99	6.109	6.090	0.019	86	74732	1.54	M
$ 9 Nitrobenzene-d5	82	7.402	7.393	0.009	75	97817	2.06	M
$ 10 2-Fluorobiphenyl	172	10.113	10.075	0.038	87	170367	1.92	
$ 11 2,4,6-Tribromophenol	330	12.291	12.229	0.062	0	16738	1.81	M
$ 12 p-Terphenyl-d14	244	14.778	14.759	0.019	92	154395	1.83	
15 4-Chloro-3-nitro-alpha,alpha,alp	1		0.000					
13 4-tert-Octylphenol	1		0.000					
14 Alpha-Terpineol	59		0.000					
17 1,2,3-Trimethylbenzene	1		0.000					
18 1,4-Dioxane	88		2.433					
19 N-Nitrosodimethylamine	42		2.766					
20 Pyridine	52		2.837					
21 Benzaldehyde	77		5.938					
23 Aniline	93		6.104					
22 Phenol	94		6.109					9
24 Bis(2-chloroethyl)ether	93		6.204					1
25 2-Chlorophenol	128		6.270					19
26 1,3-Dichlorobenzene	146		6.484					9
27 1,4-Dichlorobenzene	146		6.594					9
30 Pentachlorophenol_T	266		6.782					
29 1,2-Dichlorobenzene	146		6.813					9
28 Benzyl alcohol	108		6.813					
31 2-Methylphenol	108		6.993					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
32 2,2'-oxybis[1-chloropropane]	45		6.998					
33 Acetophenone	105		7.174					
34 N-Nitrosodi-n-propylamine	70		7.183					
36 4-Methylphenol	108		7.231					
37 Hexachloroethane	117		7.298					19
38 Nitrobenzene	77		7.421					
39 4,4'-DDE	246		7.713					
40 Isophorone	82		7.778					
41 2-Nitrophenol	139		7.892					
43 2,4-Dimethylphenol	107		8.001					9
42 o,o',o''-Triethylphosphorothioat	198		8.055					
45 Bis(2-chloroethoxy)methane	93		8.125					
46 Benzidine_T	184		8.160					
44 Benzoic acid	105		8.177					14
47 2,4-Dichlorophenol	162		8.277					9
48 1,2,4-Trichlorobenzene	180		8.363					
49 Naphthalene	128		8.472					9
50 4,4'-DDD	235		8.588					
51 4-Chloroaniline	127		8.596					14
52 Hexachlorobutadiene	225		8.662					
53 4,4'-DDT	235		8.833					
54 Caprolactam	113		9.129					
55 4-Chloro-3-methylphenol	107		9.385					19
56 2-Methylnaphthalene	142		9.509					9
57 1-Methylnaphthalene	142		9.656					
58 Hexachlorocyclopentadiene	237		9.742					
59 1,2,4,5-Tetrachlorobenzene	216		9.761					19
60 2,4,6-Trichlorophenol	196		9.970					
61 2,4,5-Trichlorophenol	196		10.056					19
62 1,1'-Biphenyl	154		10.218					
63 2-Chloronaphthalene	162		10.265					9
64 Phenyl ether	170		10.384					
65 2-Nitroaniline	65		10.436					149
66 1,4-Dinitrobenzene	75		10.665					149
67 Dimethyl phthalate	163		10.722					9
68 2,6-Dinitrotoluene	165		10.807					19
69 Acenaphthylene	152		10.850					9
70 3-Nitroaniline	138		11.069					39
71 Acenaphthene	153		11.112					9
72 2,4-Dinitrophenol	184		11.240					
73 Dibenzofuran	168		11.378					
74 2,4-Dinitrotoluene	165		11.416					19
75 4-Nitrophenol	109		11.454					1
76 2,3,4,6-Tetrachlorophenol	232		11.597					
78 Diethyl phthalate	149		11.777					9
77 Thionazin	97		11.826					
79 Fluorene	166		11.882					9
80 4-Chlorophenyl phenyl ether	204		11.901					
81 4-Nitroaniline	138		11.982					19
82 4,6-Dinitro-2-methylphenol	198		12.010					
84 Diphenylamine	169		12.077					
83 N-Nitrosodiphenylamine	169		12.077					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
16 1,2-Diphenylhydrazine	77		12.120					
85 Azobenzene	77		12.120					
86 Benzophenone	105		12.144					
87 Sulfotepp	322		12.297					9
88 Phorate	75		12.454					
89 4-Bromophenyl phenyl ether	248		12.548					
91 Hexachlorobenzene	284		12.610					
90 Dimethoate	87		12.668					9
92 Simazine	201		12.762					
93 Atrazine	200		12.800					9
95 Pentachloronitrobenzene	237		12.881					19
94 Pentachlorophenol	266		12.885					
97 Phenanthrene	178		13.109					9
96 Disulfoton	88		13.120					
98 Anthracene	178		13.171					
99 Carbazole	167		13.380					24
101 Alachlor	160		13.527					9
100 Methyl parathion	109		13.543					
102 Di-n-butyl phthalate	149		13.765					
103 Ethyl Parathion	97		14.003					9
104 Fluoranthene	202		14.388					
105 Benzidine	184		14.555					
106 Pyrene	202		14.607					9
107 Famphur	218		15.168					
108 Butyl benzyl phthalate	149		15.211					
109 3,3'-Dichlorobenzidine	252		15.705					
110 Bis(2-ethylhexyl) phthalate	149		15.710					
111 Benzo[a]anthracene	228		15.720					
112 Chrysene	228		15.753					
113 Di-n-octyl phthalate	149		16.248					9
114 Benzo[b]fluoranthene	252		16.657					
115 Benzo[k]fluoranthene	252		16.680					
116 Benzo[a]pyrene	252		16.961					9
118 Dibenz(a,h)anthracene	278		18.107					
117 Indeno[1,2,3-cd]pyrene	276		18.107					
119 Benzo[g,h,i]perylene	276		18.421					9
S 121 3-Methylphenol	1		0.000					
S 120 3 & 4 Methylphenol	108		0.000					

QC Flag Legend

Processing Flags
1 - Missing Peaks
2 - Failed Coelution Test
3 - Failed RT Window Test
4 - Failed Signal Ratio Test
9 - Failed A Reference Spectral Test

Review Flags
M - Manually Integrated

TestAmerica Buffalo
Tentatively Identified Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3202.D		
Lims ID:	MB 480-96561/1-A	Client ID:	
Inject. Date:	20-Dec-2012 15:17:30	Dil. Factor:	1.0000
Sample Type:	MB		
Sample ID:	480-0017736-012		
Misc. Info.:			
Operator:	ANM	Instrument ID:	HP5973X
Injection Vol:	1.0 ul	ALS Bottle#:	14
Lims Batch ID:	96803	Lims Sample ID:	12
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X-8270LL.m		
Last Update:	09-Mar-2013 09:29:35	Calib Date:	18-Dec-2012 14:44:30
Tic RT Window:	1.500 -0.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\Bufchrom\ChromData\Database\NIST98.L		
Min. Match:	85		
Process Host:	XAWRK034		

First Level Reviewer: mckernar Date: 20-Dec-2012 16:03:48

Tentative Identified Compound Results

RT	Response	Amount ng/uL	Quant Cpnd	Qual	Lib Entry	Flags
		Unknown				
3.845	589218	2.36	1			
		Unknown				
4.216	40216940	161.0	1			
		Unknown				
6.974	356863	1.43	1			
	54833-48-6	Heptadecane, 2,6,10,15-tetramethyl-				
9.181	413732	1.48	2	87	17067	
		Unknown				
10.978	456024	1.59	3			
	31295-56-4	Dodecane, 2,6,11-trimethyl-				
12.457	335157	1.21	4	87	109635	
		Unknown				
14.540	463318	2.00	5			
	111-6-8	Hexadecanoic acid, butyl ester				
14.612	480906	2.07	5	93	15257	
	123-95-5	Octadecanoic acid, butyl ester				
15.258	583816	2.52	5	93	111935	
	7683-64-9	Squalene				
16.462	2192497	9.02	6	96	114263	

Quantitation Compounds

Compound	RT	Response	Amount ng/uL

Report Date: 09-Mar-2013 09:29:36 Chrom Revision: 2.0 01-Feb-2013 10:03:10
Data File: \\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3202.D

Compound	RT	Response	Amount ng/uL
* 1 1,4-Dichlorobenzene-d4	6.556	1248598	5.00
* 2 Naphthalene-d8	8.448	1397905	5.00
* 3 Acenaphthene-d10	11.097	1434400	5.00
* 4 Phenanthrene-d10	13.114	1382920	5.00
* 5 Chrysene-d12	15.753	1160456	5.00
* 6 Perylene-d12	17.032	1214849	5.00

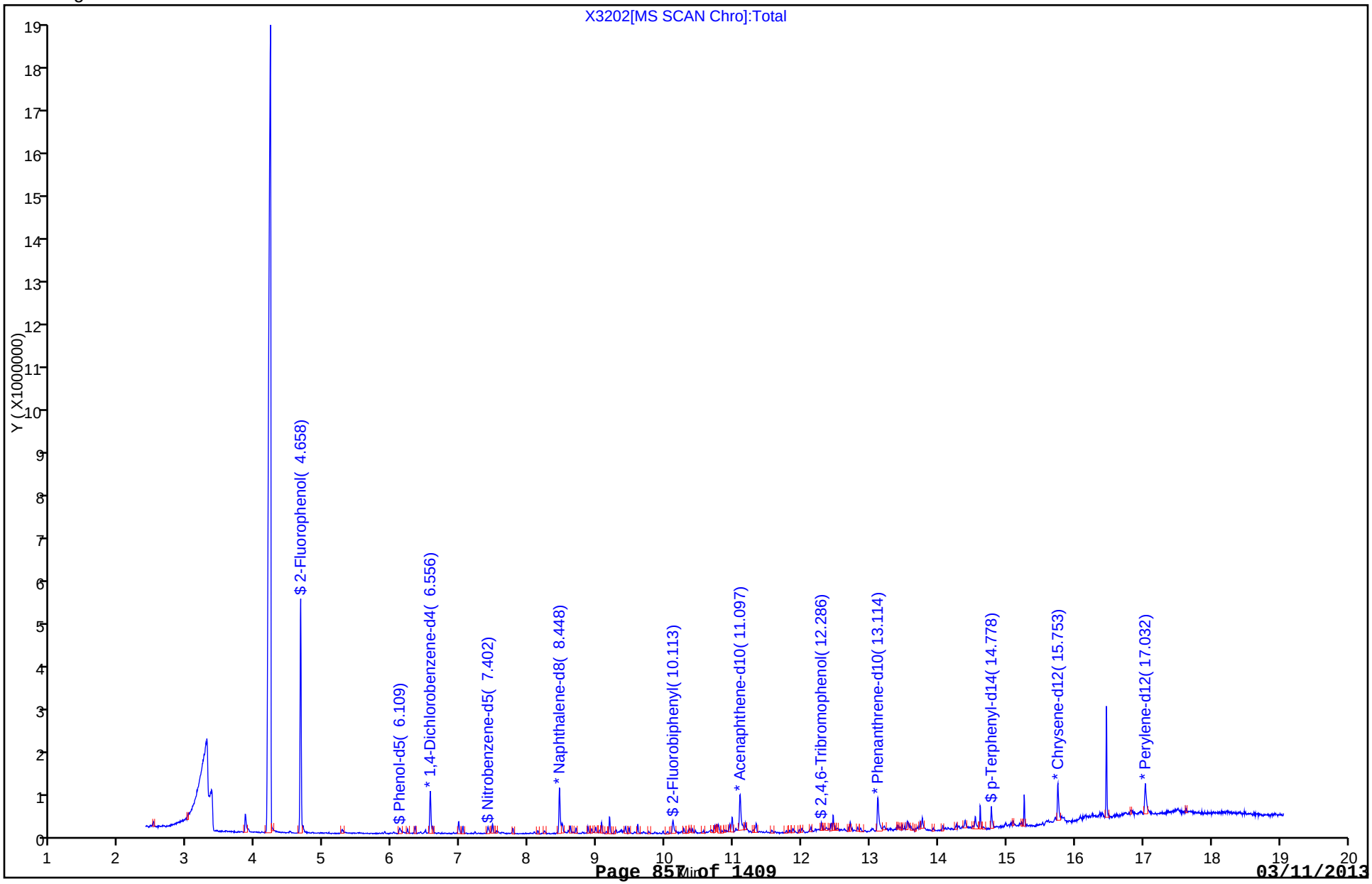
QC Flag Legend

Processing Flags

Report Date: 09-Mar-2013 09:29:36 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3202.D		
Injection Date:	20-Dec-2012 15:17:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	12
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm
Y Scaling:			



Report Date: 09-Mar-2013 09:29:36 Chrom Revision: 2.0 01-Feb-2013 10:03:10

Manual Integration/User Assign Peak Report

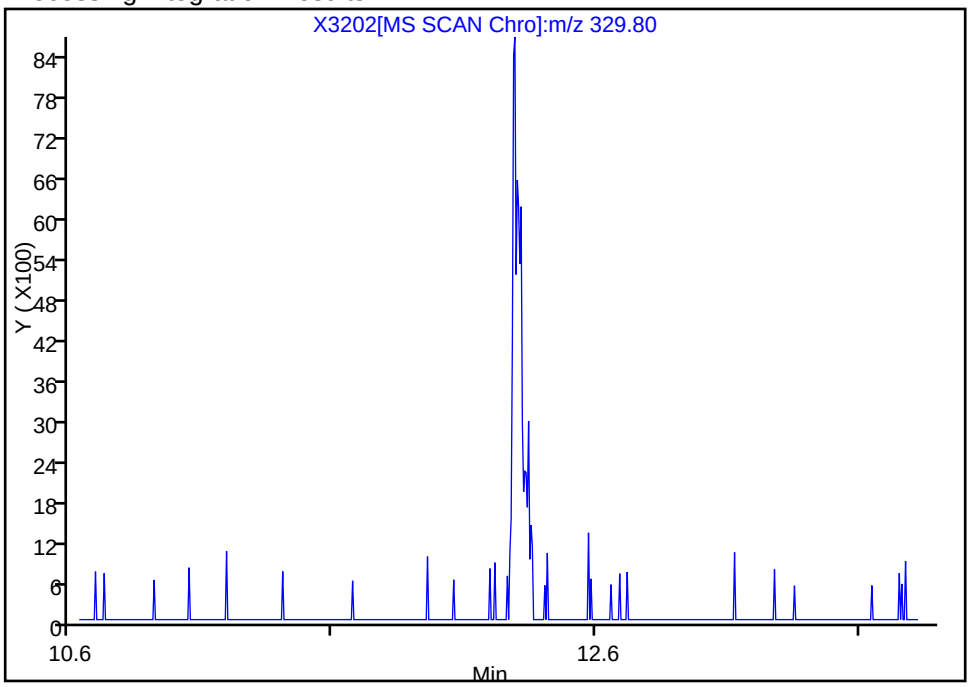
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3202.D		
Injection Date:	20-Dec-2012 15:17:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	12
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

$ 11 2,4,6-Tribromophenol, Signal: 1, m/z: 329.8 Type: quant, RT: 12.23

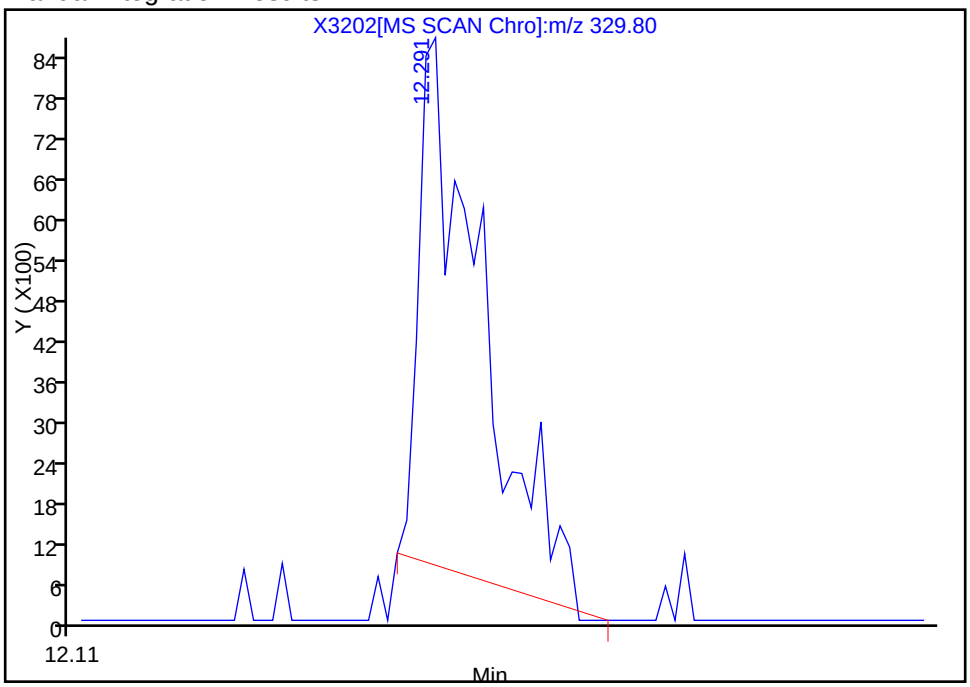
Processing Integration Results

Not Detected
Expected RT: 12.23



Manual Integration Results

RT: 12.29
Response: 16738
Amount: 1.807292



Reviewer: mckernar, 20-Dec-2012 16:03:48
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 09-Mar-2013 09:29:36 Chrom Revision: 2.0 01-Feb-2013 10:03:10

Manual Integration/User Assign Peak Report

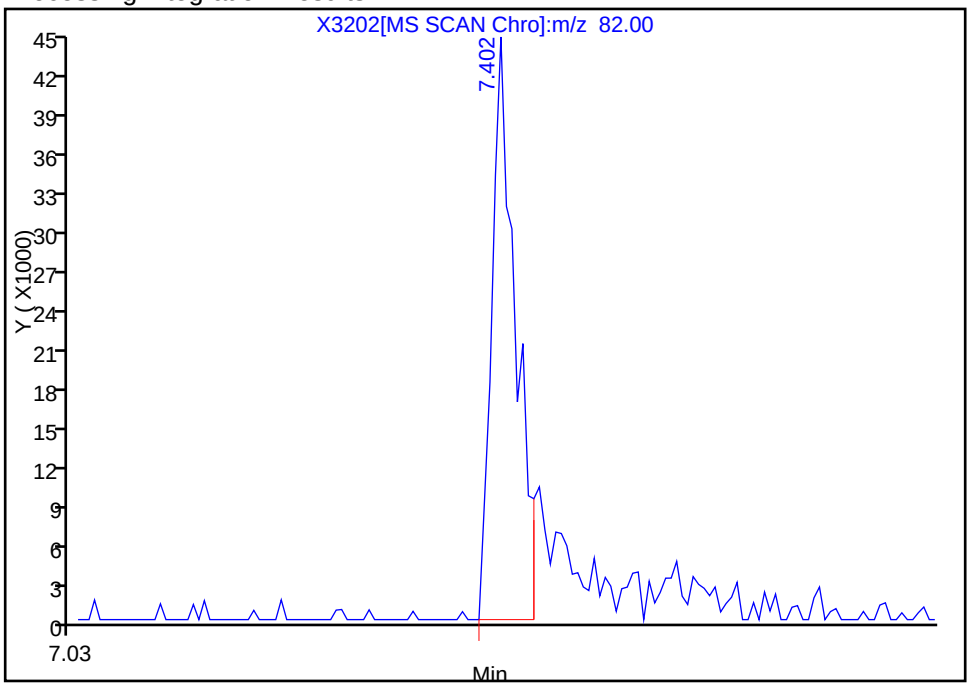
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3202.D		
Injection Date:	20-Dec-2012 15:17:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	12
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

$ 9 Nitrobenzene-d5, Signal: 1, m/z: 82.0 Type: quant, RT: 7.39

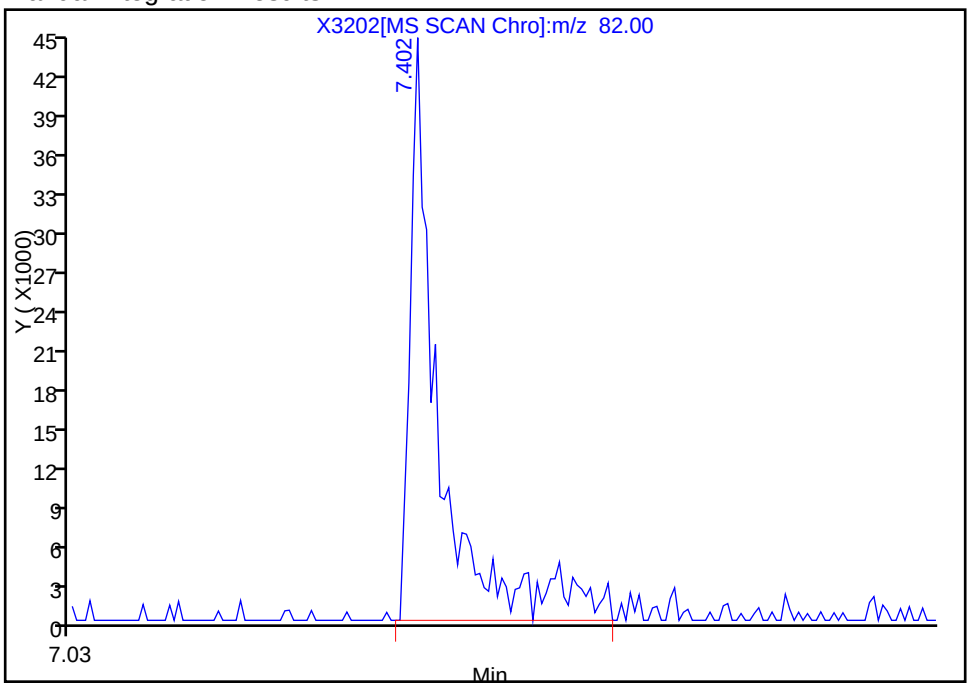
Processing Integration Results

RT: 7.40
Response: 64396
Amount: 1.266023



Manual Integration Results

RT: 7.40
Response: 97817
Amount: 2.058777



Reviewer: mckernar, 20-Dec-2012 16:03:48
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 09-Mar-2013 09:29:36 Chrom Revision: 2.0 01-Feb-2013 10:03:10

Manual Integration/User Assign Peak Report

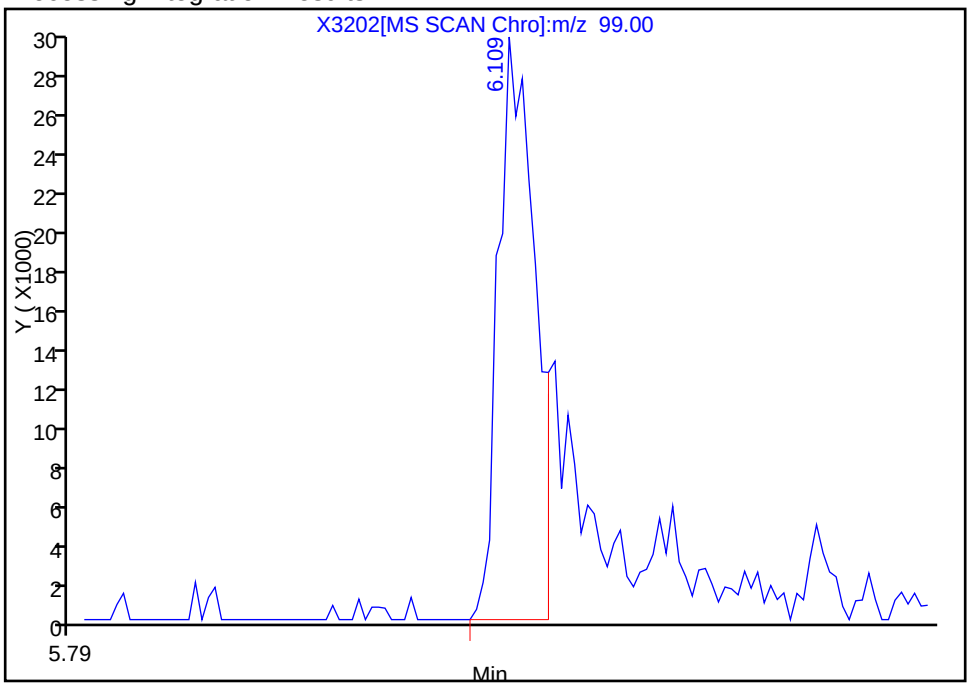
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3202.D		
Injection Date:	20-Dec-2012 15:17:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	12
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

$ 8 Phenol-d5, Signal: 1, m/z: 99.0 Type: quant, RT: 6.09

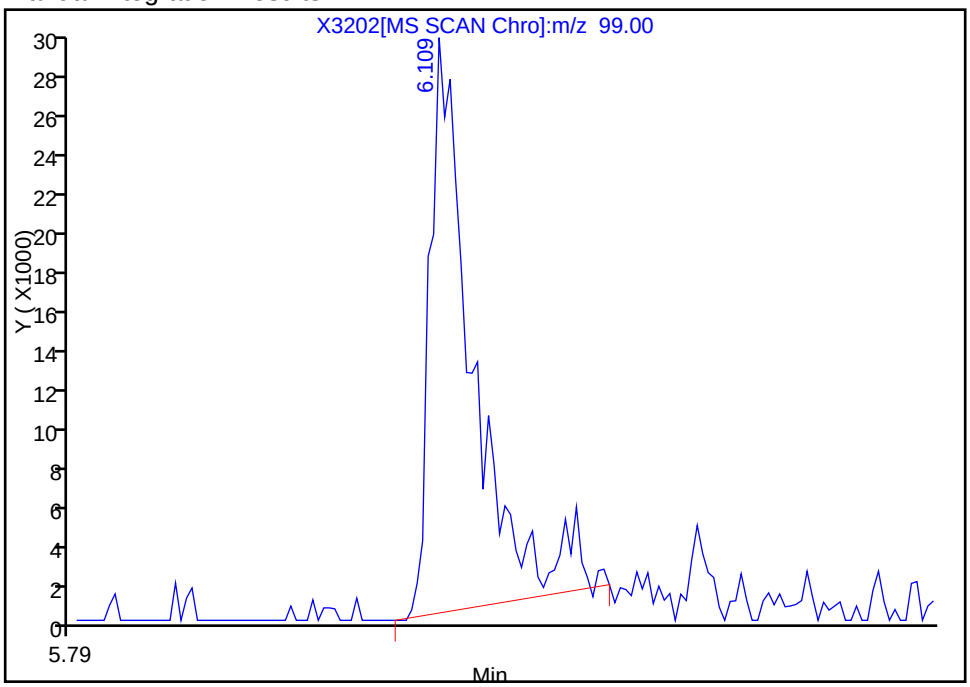
Processing Integration Results

RT: 6.11
Response: 54466
Amount: 1.008922



Manual Integration Results

RT: 6.11
Response: 74732
Amount: 1.542132



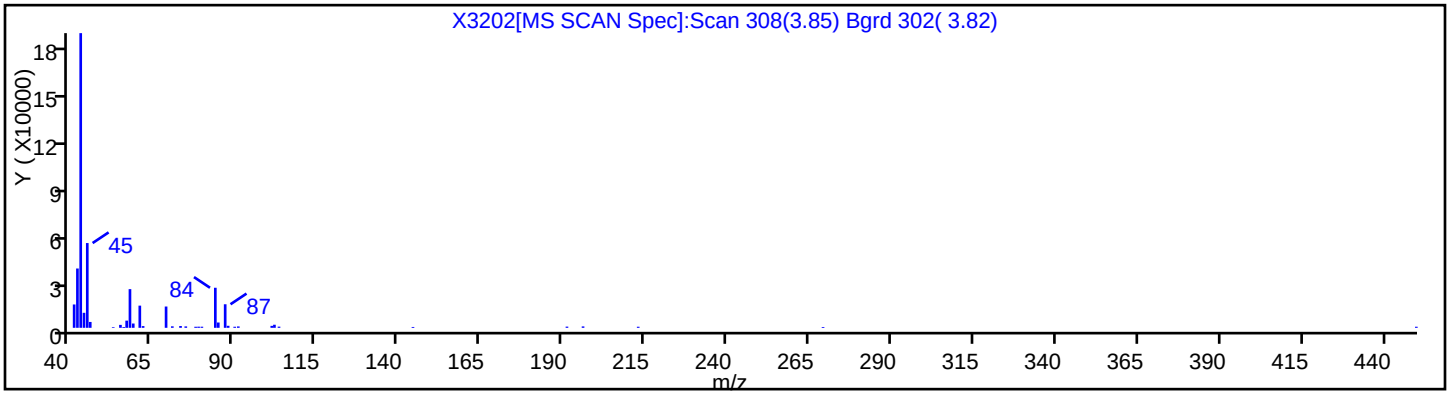
Reviewer: mckernar, 20-Dec-2012 16:03:48
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 09-Mar-2013 09:29:36 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3202.D		
Injection Date:	20-Dec-2012 15:17:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	12
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85

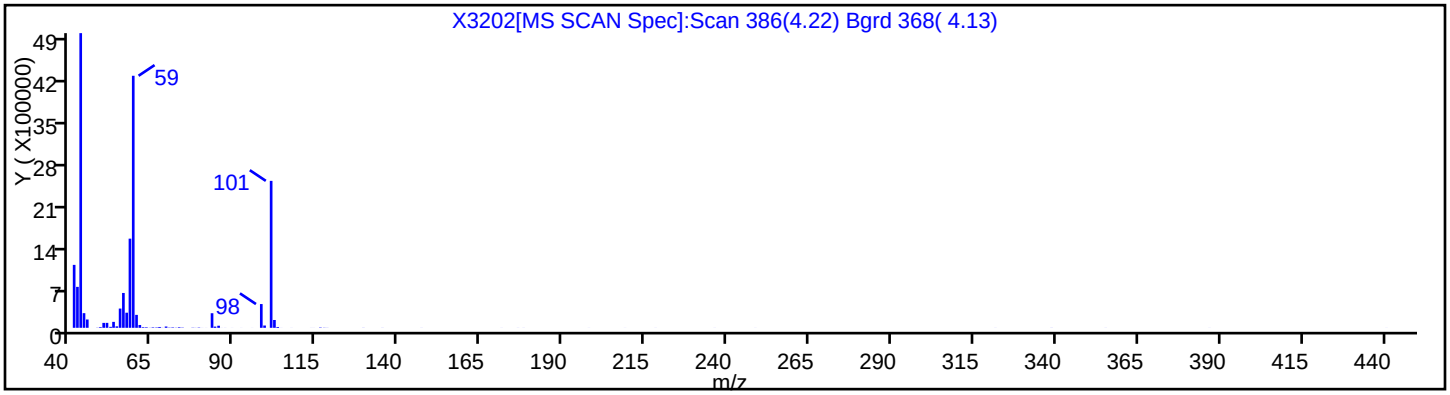


Report Date: 09-Mar-2013 09:29:36 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3202.D		
Injection Date:	20-Dec-2012 15:17:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	12
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85

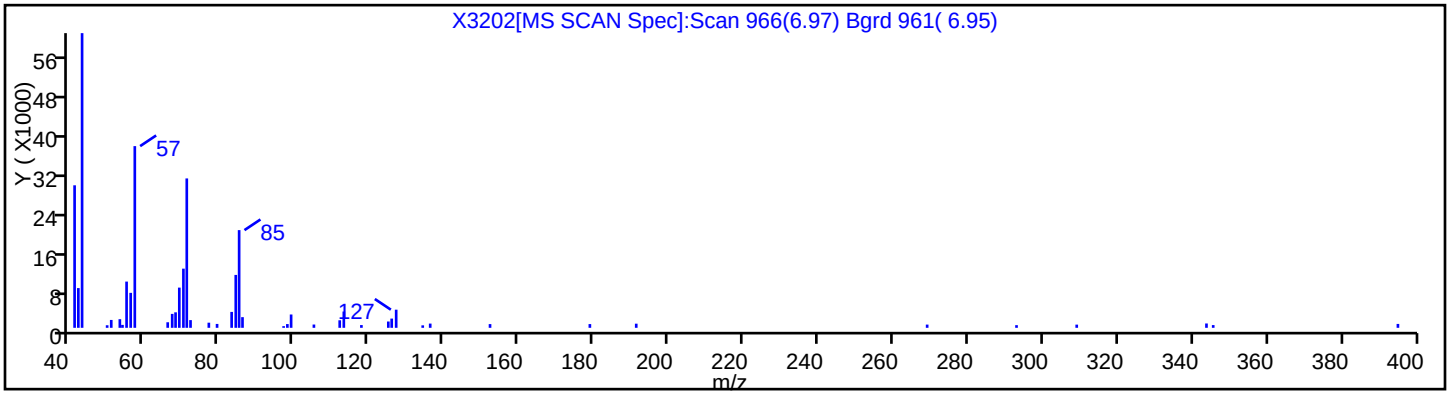


Report Date: 09-Mar-2013 09:29:36 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3202.D		
Injection Date:	20-Dec-2012 15:17:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	12
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85

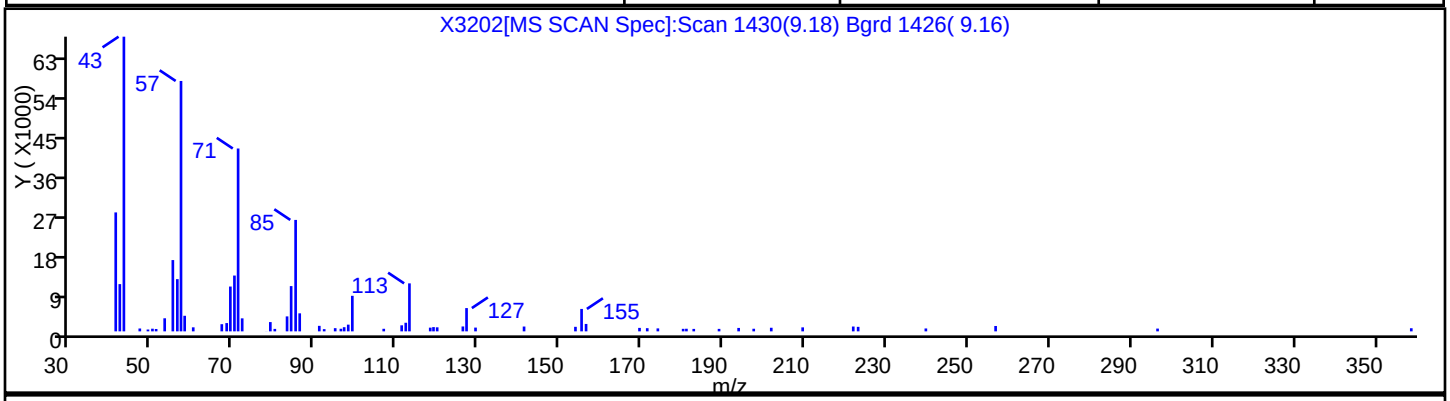


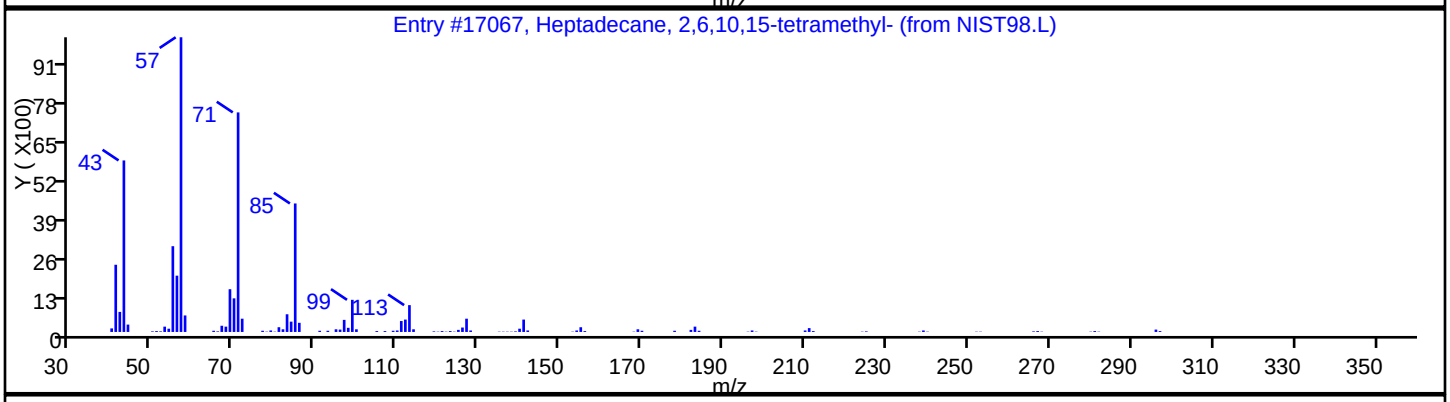
Report Date: 09-Mar-2013 09:29:36 Chrom Revision: 2.0 01-Feb-2013 10:03:10

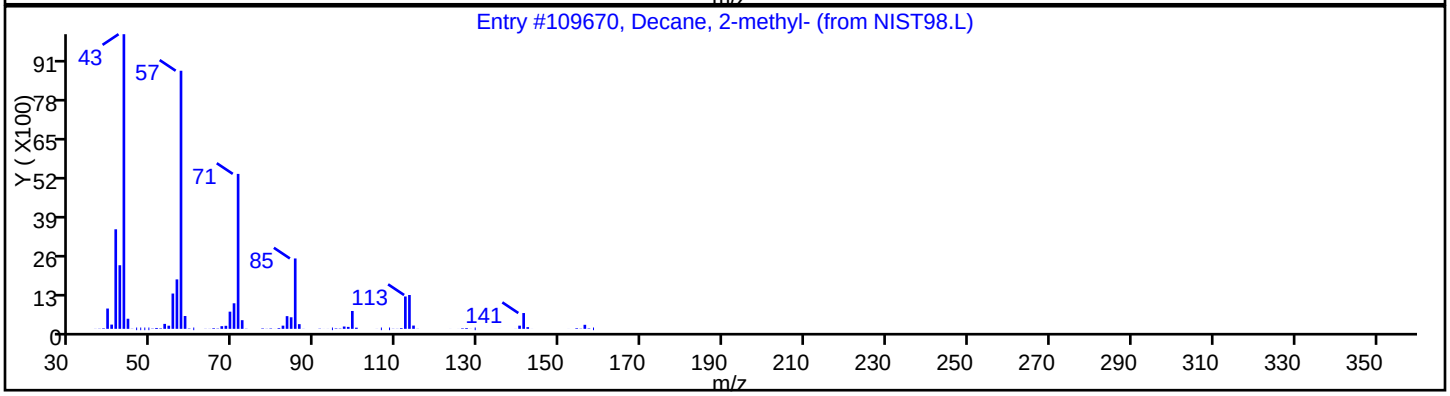
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3202.D		
Injection Date:	20-Dec-2012 15:17:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	12
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Heptadecane, 2,6,10,15-tetramethyl-	54833-48-6	NIST98.L	17067	87
Decane, 2-methyl-	6975-98-0	NIST98.L	109670	86





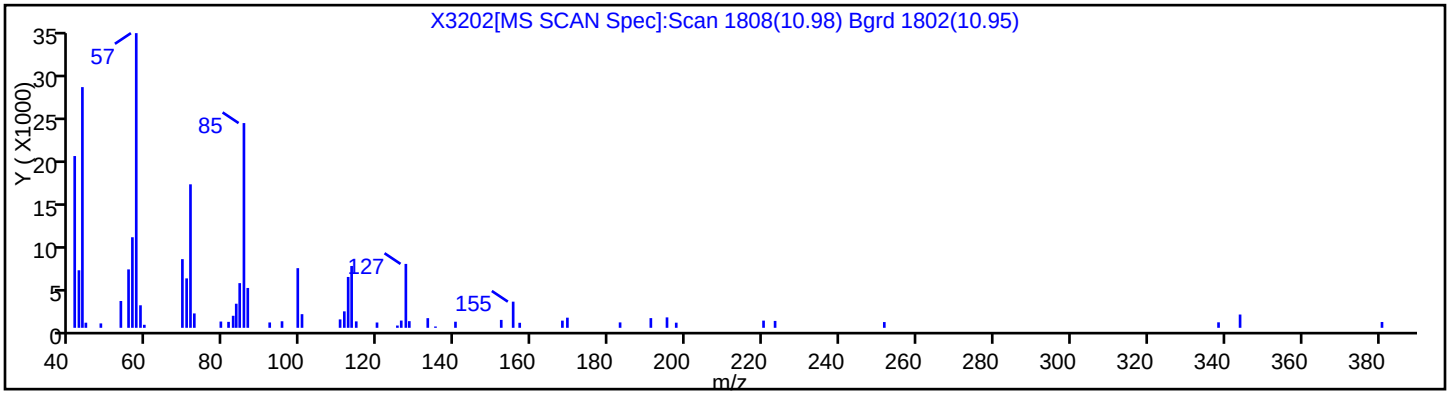


Report Date: 09-Mar-2013 09:29:36 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3202.D		
Injection Date:	20-Dec-2012 15:17:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	12
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85

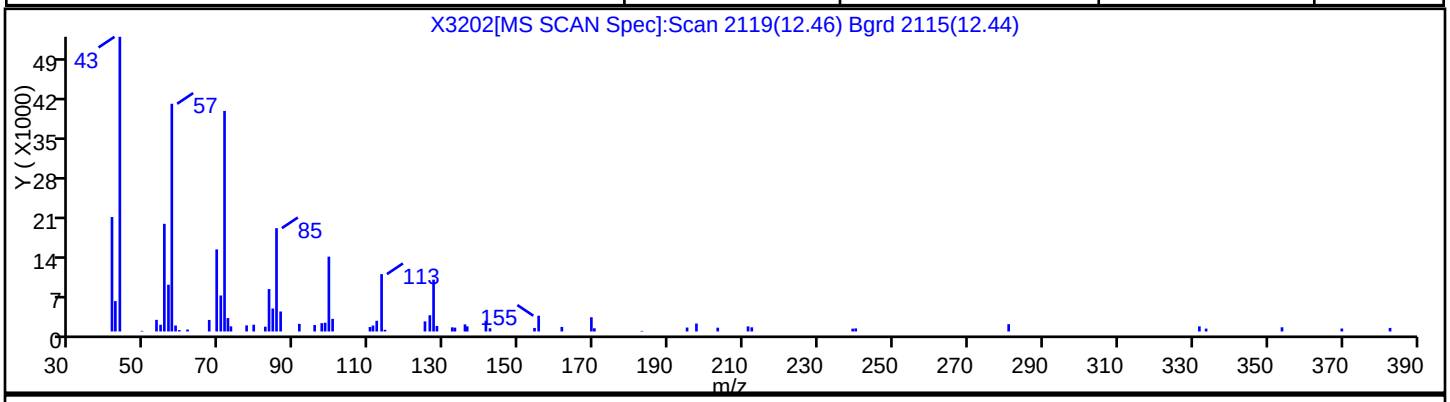


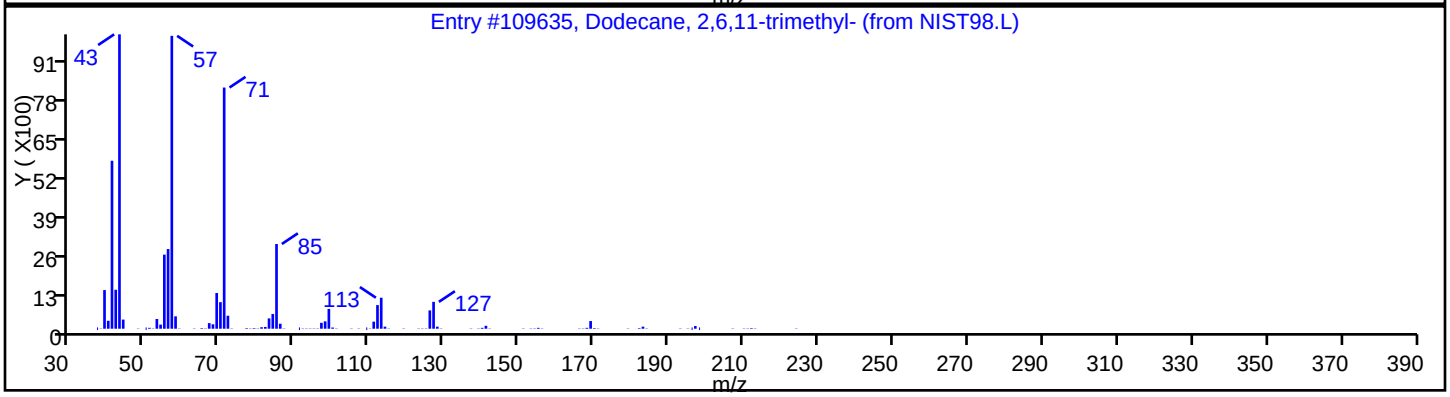
Report Date: 09-Mar-2013 09:29:36 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3202.D		
Injection Date:	20-Dec-2012 15:17:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	12
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Dodecane, 2,6,11-trimethyl-	31295-56-4	NIST98.L	109635	87



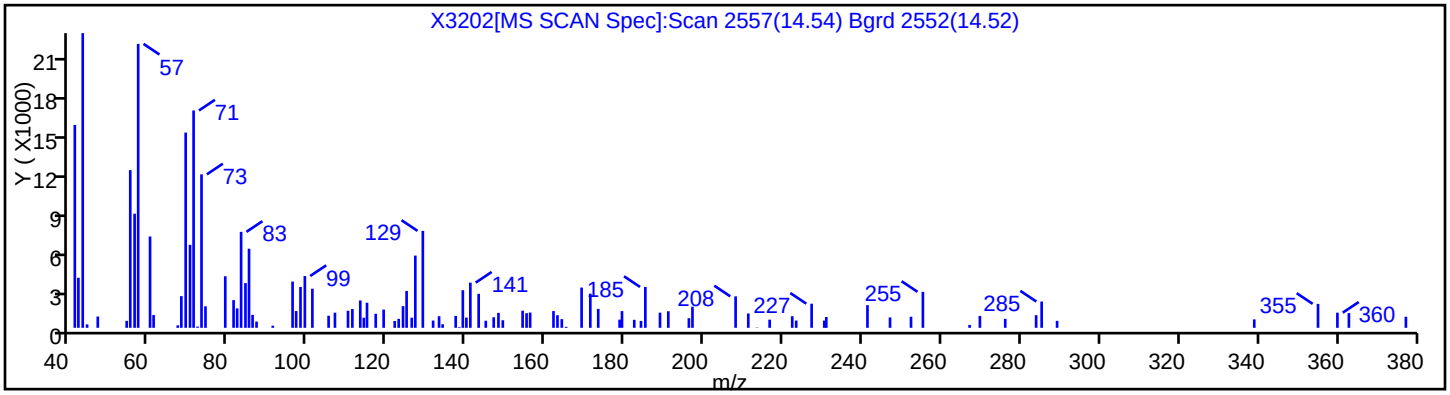


Report Date: 09-Mar-2013 09:29:36 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3202.D		
Injection Date:	20-Dec-2012 15:17:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	12
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85

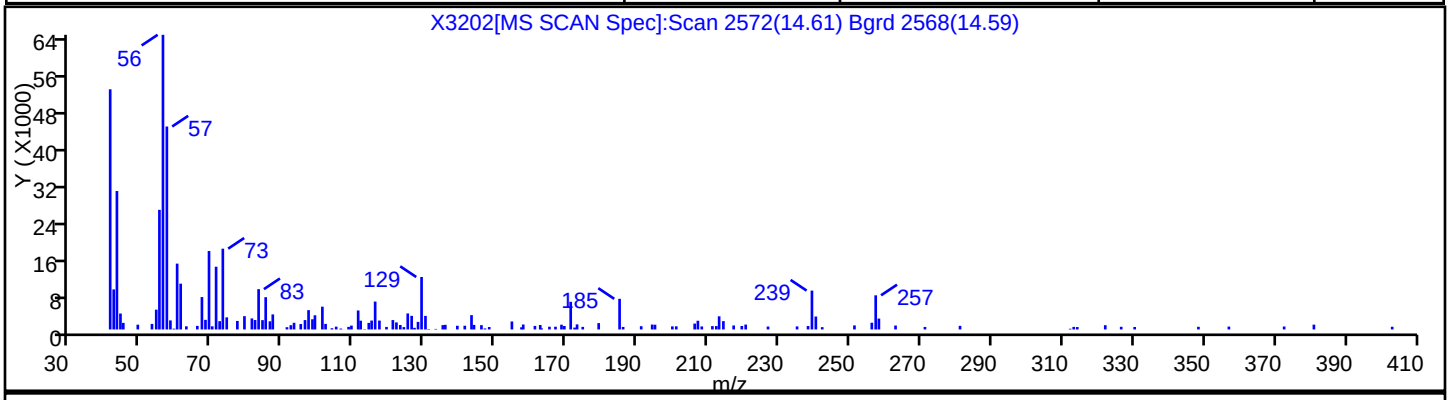


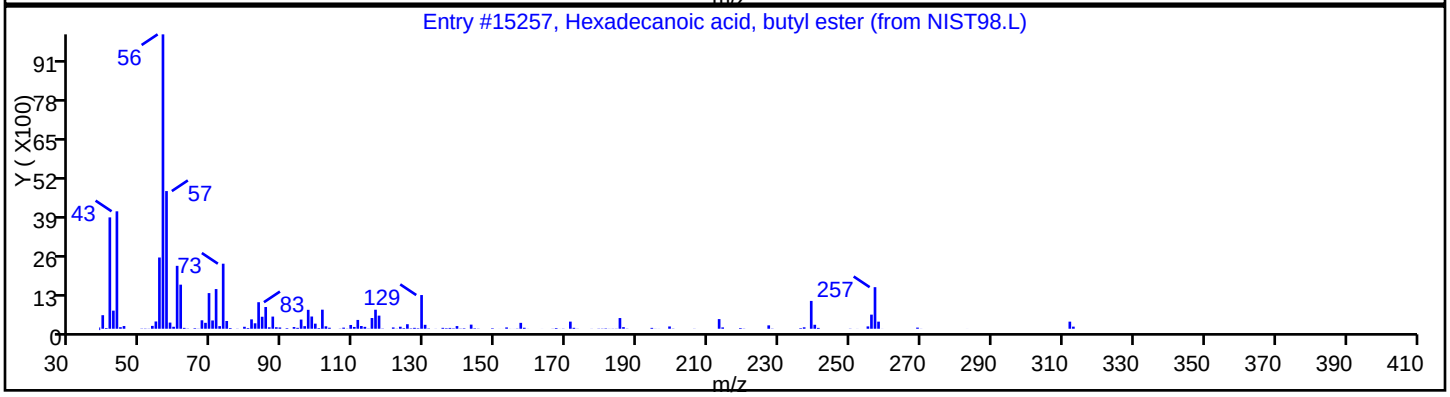
Report Date: 09-Mar-2013 09:29:36 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3202.D		
Injection Date:	20-Dec-2012 15:17:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	12
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Hexadecanoic acid, butyl ester	111-6-8	NIST98.L	15257	93



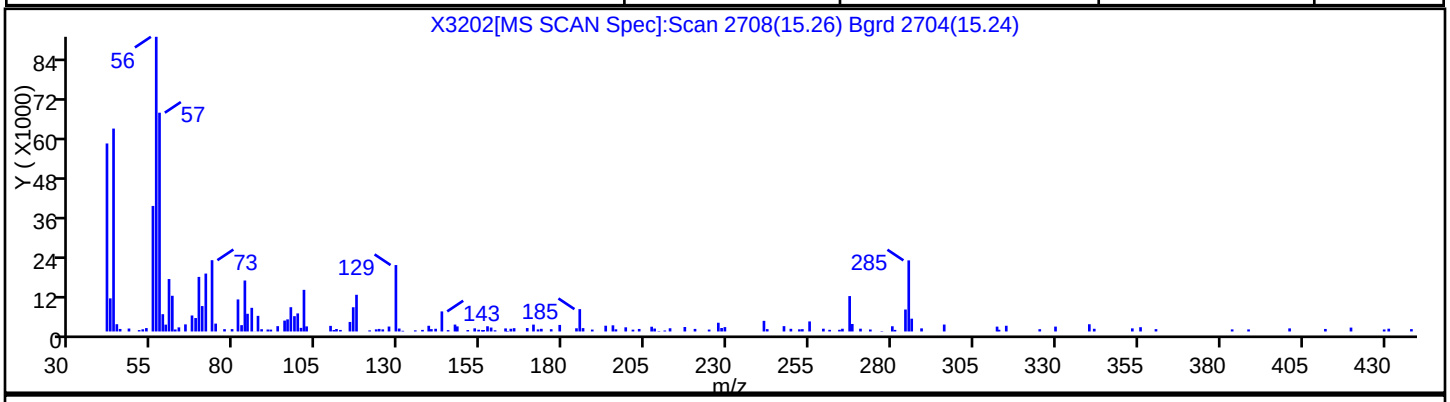


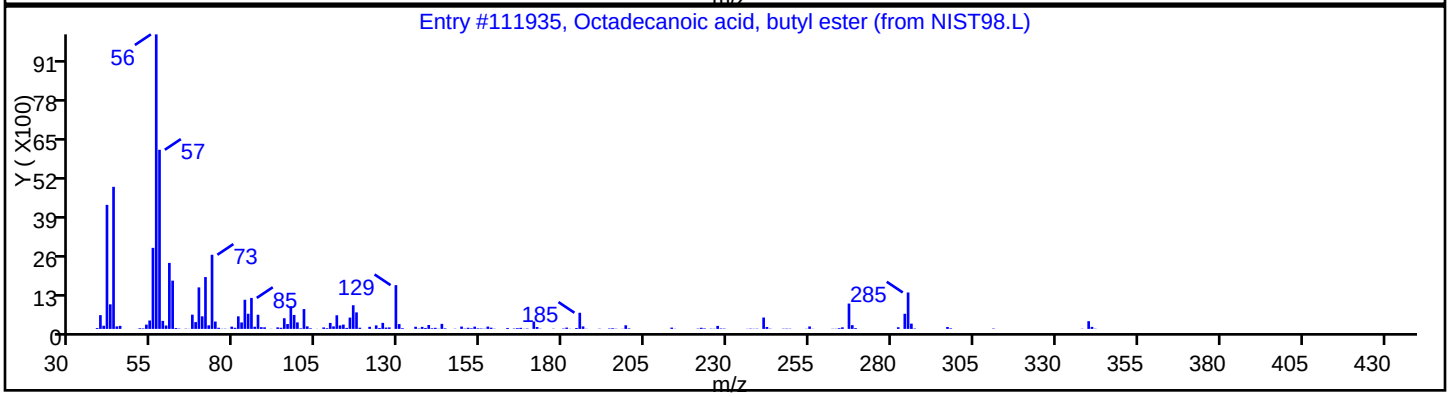
Report Date: 09-Mar-2013 09:29:36 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3202.D		
Injection Date:	20-Dec-2012 15:17:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	12
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Octadecanoic acid, butyl ester	123-95-5	NIST98.L	111935	93



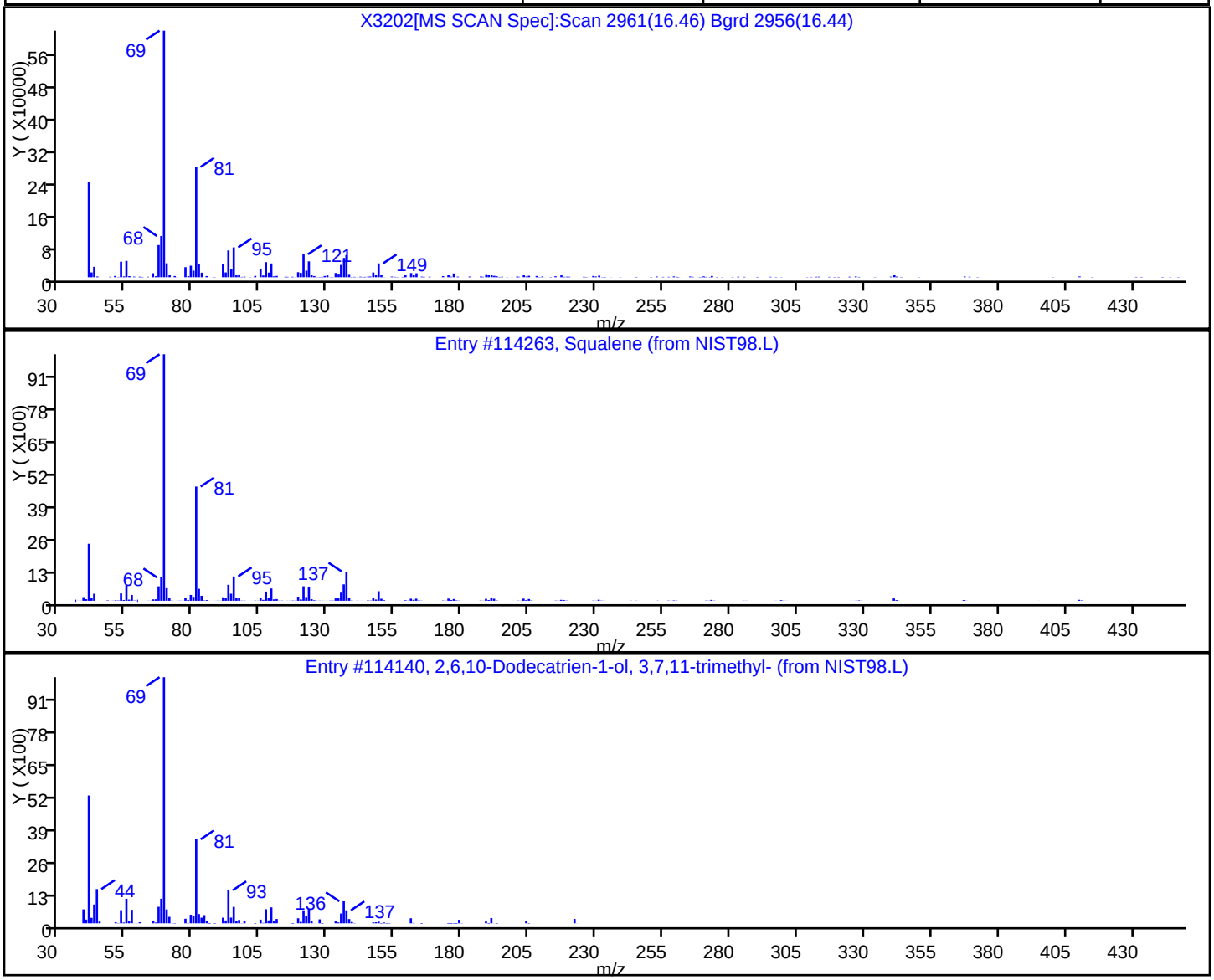


Report Date: 09-Mar-2013 09:29:36 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3202.D		
Injection Date:	20-Dec-2012 15:17:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	12
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Squalene	7683-64-9	NIST98.L	114263	96
2,6,10-Dodecatrien-1-ol, 3,7,11-trimethy	4602-84-0	NIST98.L	114140	86



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo
Job No.: 480-30106-1
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
621-64-7	N-Nitrosodi-n-propylamine	45.3		33	9.8
7005-72-3	4-Chlorophenyl phenyl ether	47.8		33	9.8
105-67-9	2,4-Dimethylphenol	41.5		33	9.8
59-50-7	4-Chloro-3-methylphenol	52.6	J	66	9.8
78-59-1	Isophorone	50.7		33	9.8
50-32-8	Benzo[a]pyrene	51.3		33	9.8
86-73-7	Fluorene	46.6		33	9.8
106-44-5	4-Methylphenol	48.7		33	9.8
100-01-6	4-Nitroaniline	48.3	J	160	28
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
88-74-4	2-Nitroaniline	54.4	J	160	41
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
534-52-1	4,6-Dinitro-2-methylphenol	55.7	J	160	31
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
86-30-6	N-Nitrosodiphenylamine	24.5	J	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

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo
Job No.: 480-30106-1
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
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
103-33-3	Azobenzene	62.2		33	9.8
91-20-3	Naphthalene	48.9		33	9.8
88-06-2	2,4,6-Trichlorophenol	53.9		33	14
77-47-4	Hexachlorocyclopentadiene	35.3	J	66	9.8
99-09-2	3-Nitroaniline	35.7	J	160	9.8
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
62-75-9	N-Nitrosodimethylamine	31.1	J	33	9.8
101-55-3	4-Bromophenyl phenyl ether	54.1		33	9.8
100-51-6	Benzyl alcohol	ND		66	9.8
84-66-2	Diethyl phthalate	51.0		33	11
65-85-0	Benzoic acid	70.6	J	160	15
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

FORM I

GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30106-1

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

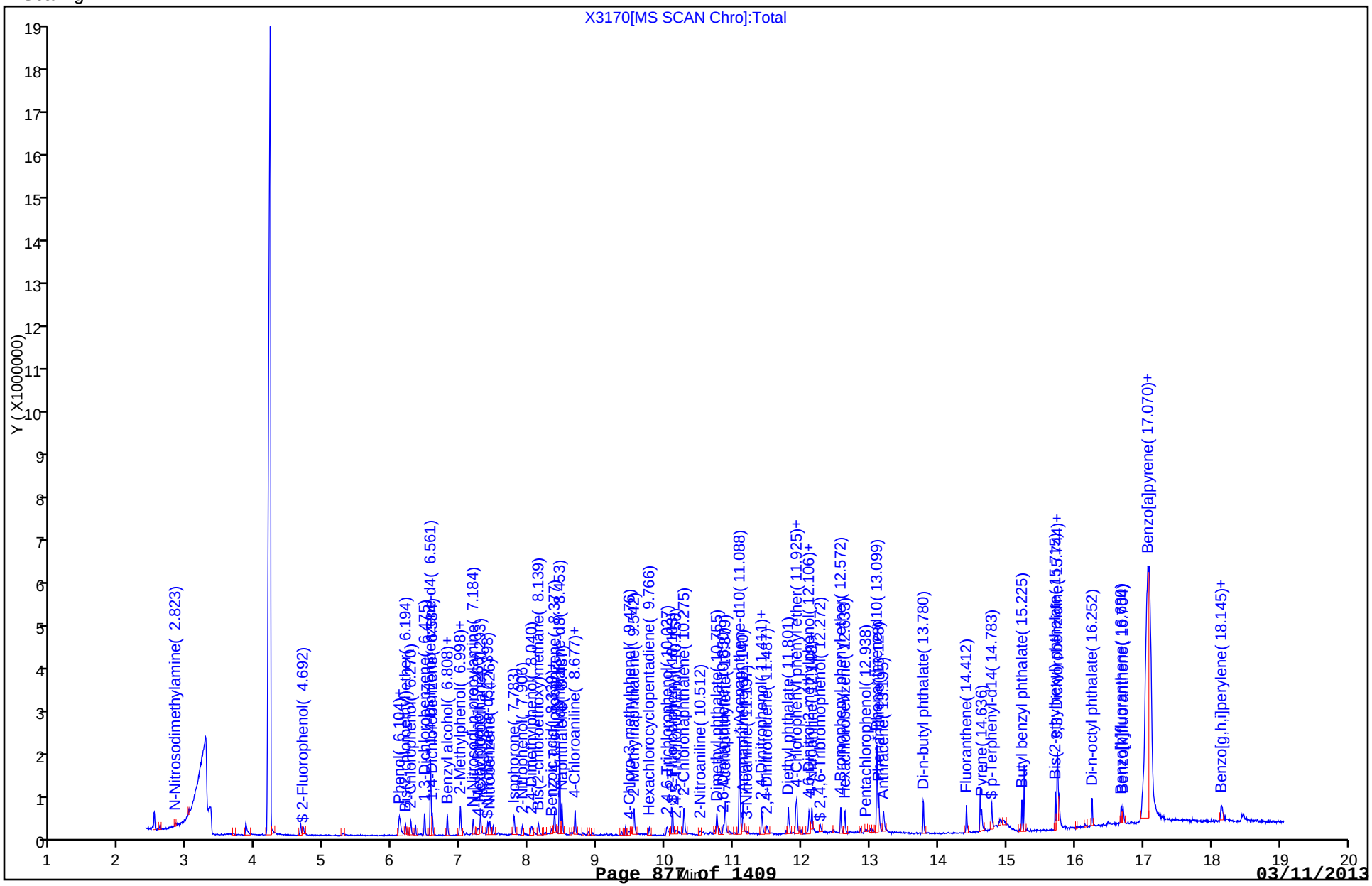
Review Flags
M - Manually Integrated

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

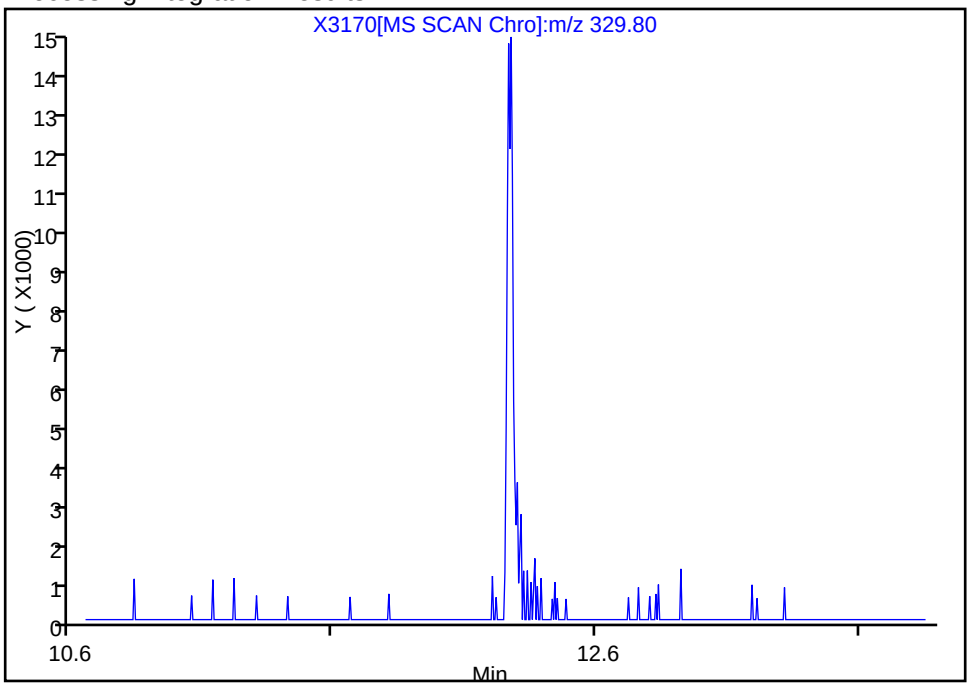
TestAmerica Buffalo

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

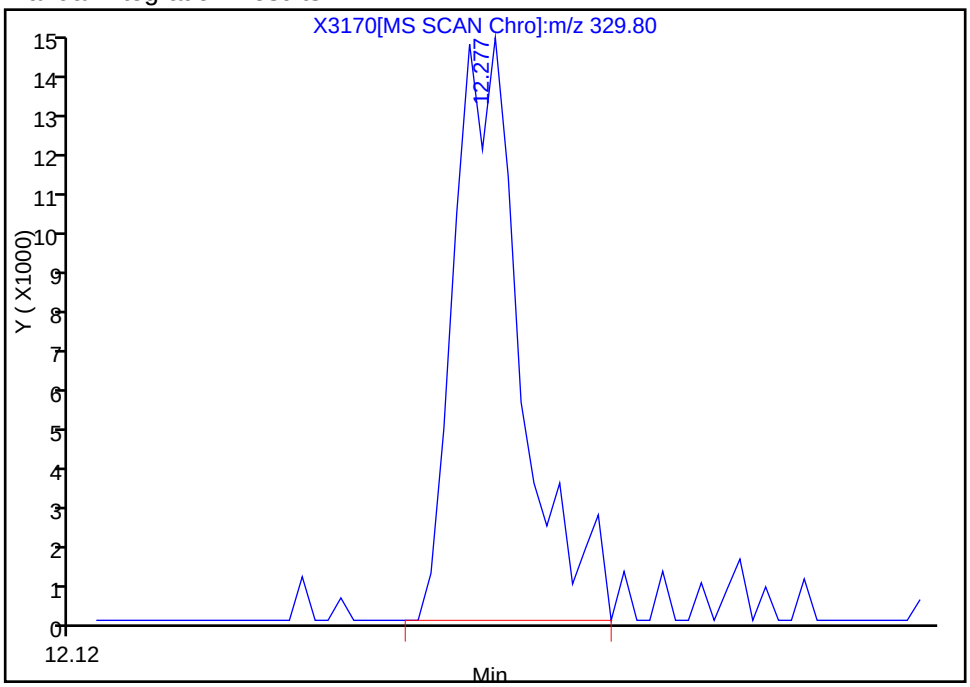
Processing Integration Results

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

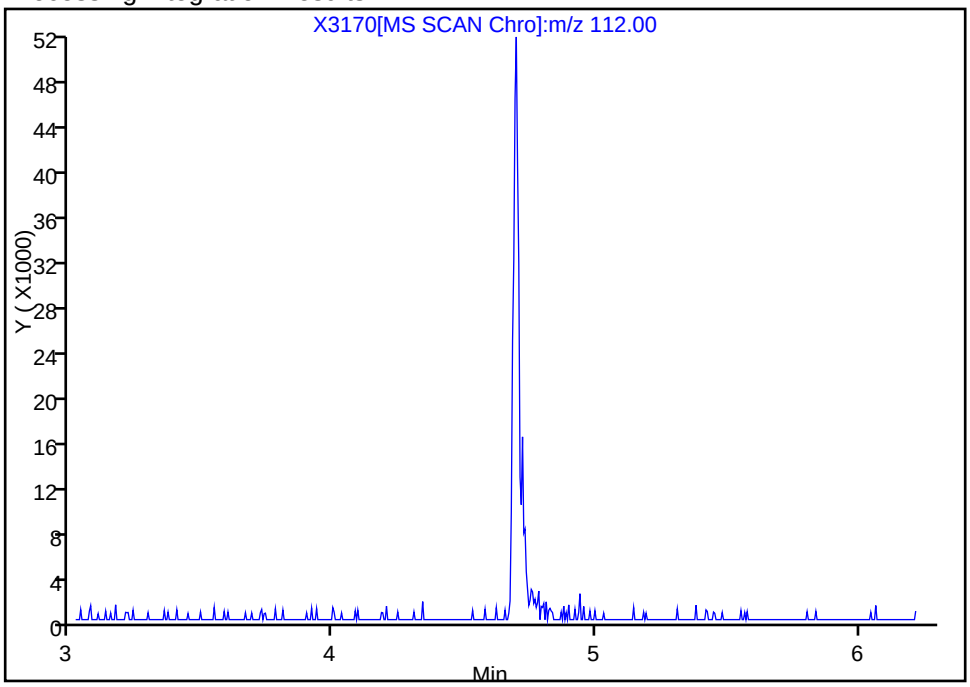
TestAmerica Buffalo

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

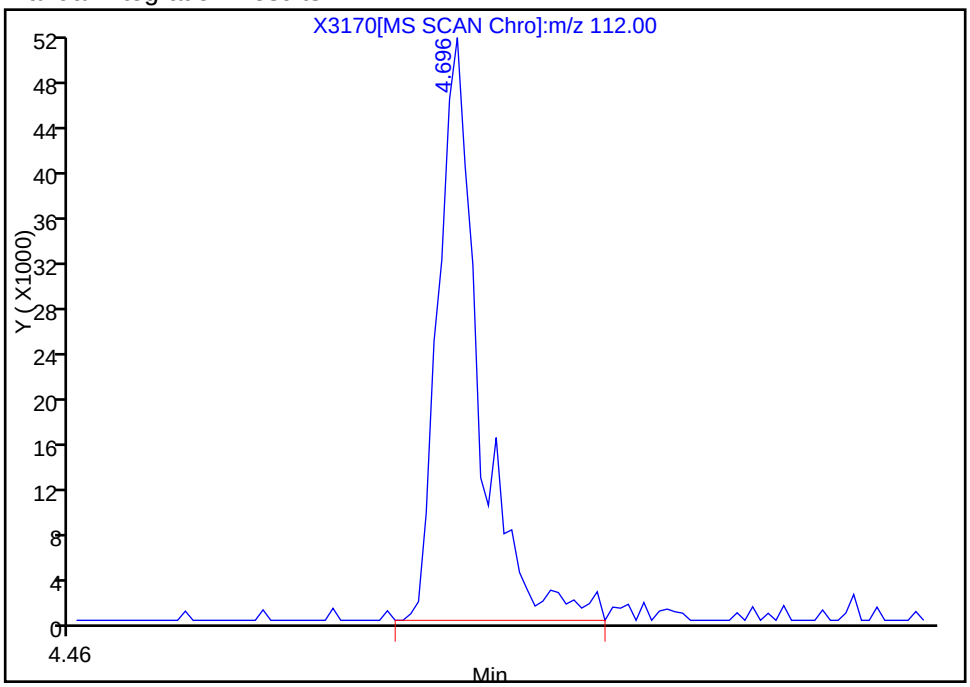
Processing Integration Results

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

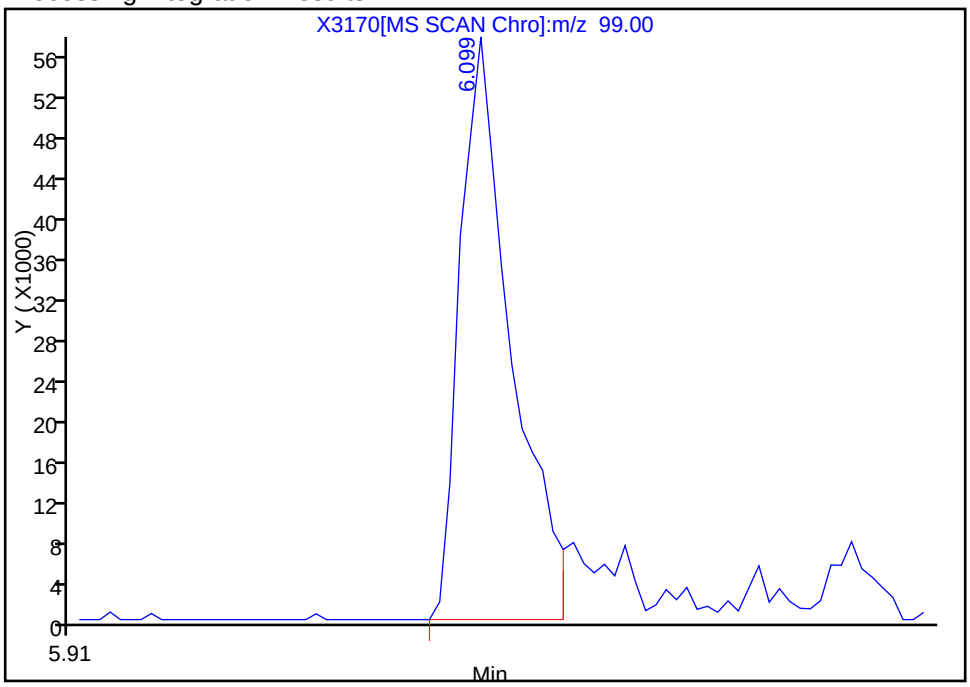
TestAmerica Buffalo

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

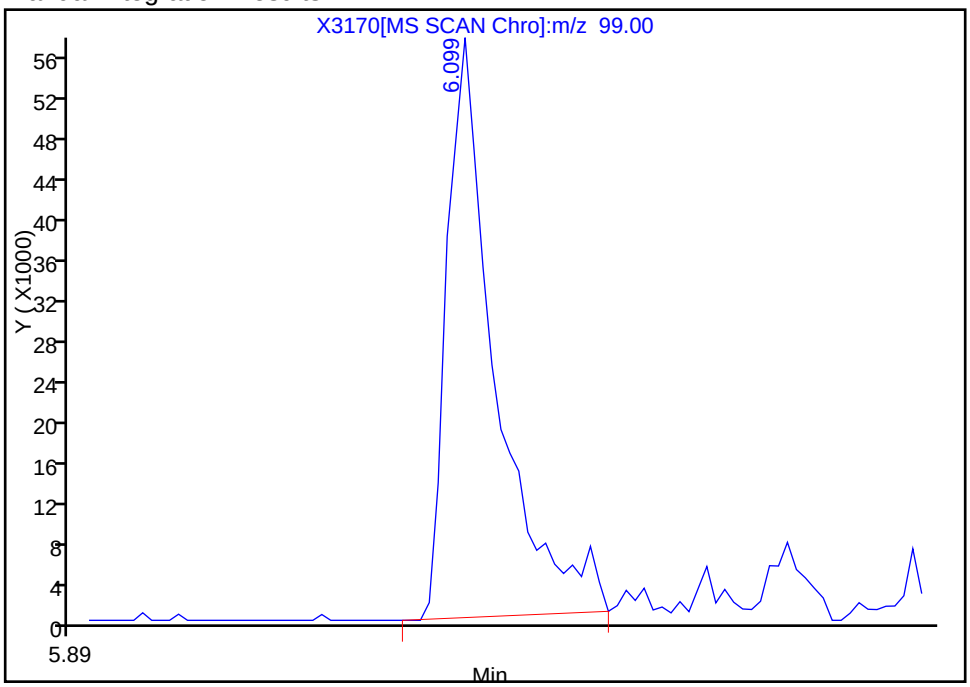
Processing Integration Results

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

Report Date: 09-Mar-2013 09:48:26 Chrom Revision: 2.0 01-Feb-2013 10:03:10

Manual Integration/User Assign Peak Report

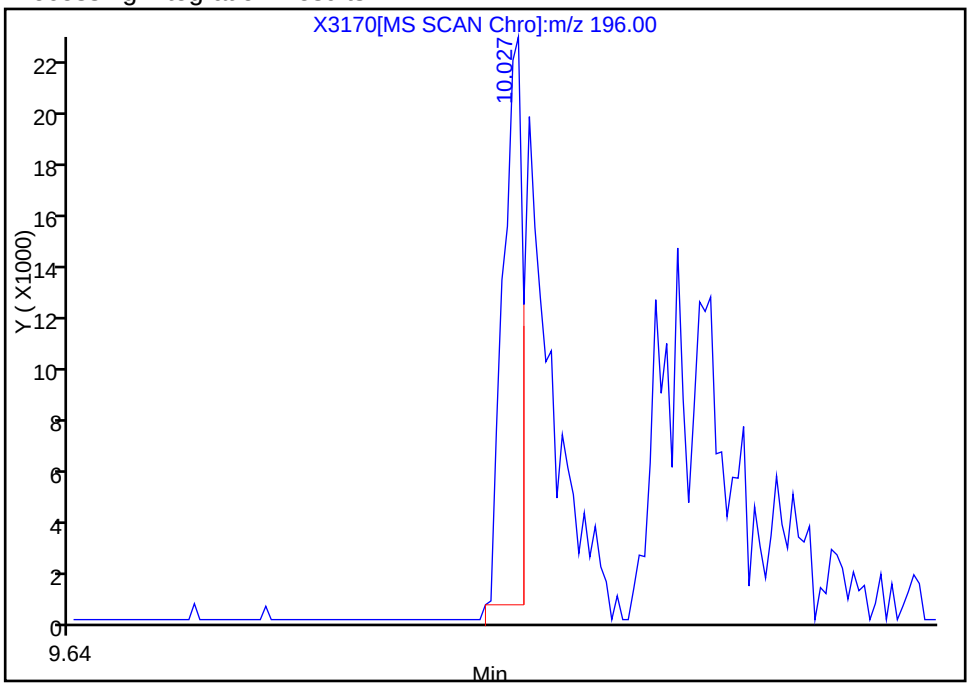
TestAmerica Buffalo

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

61 2,4,5-Trichlorophenol, Signal: 1, m/z: 196.0 Type: quant, RT: 10.10

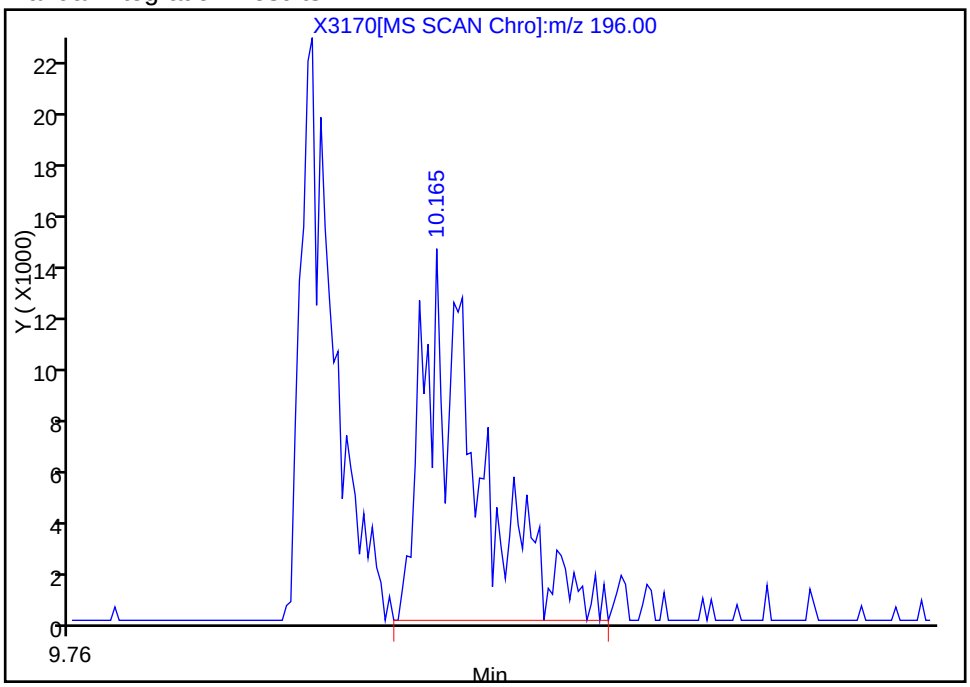
Processing Integration Results

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

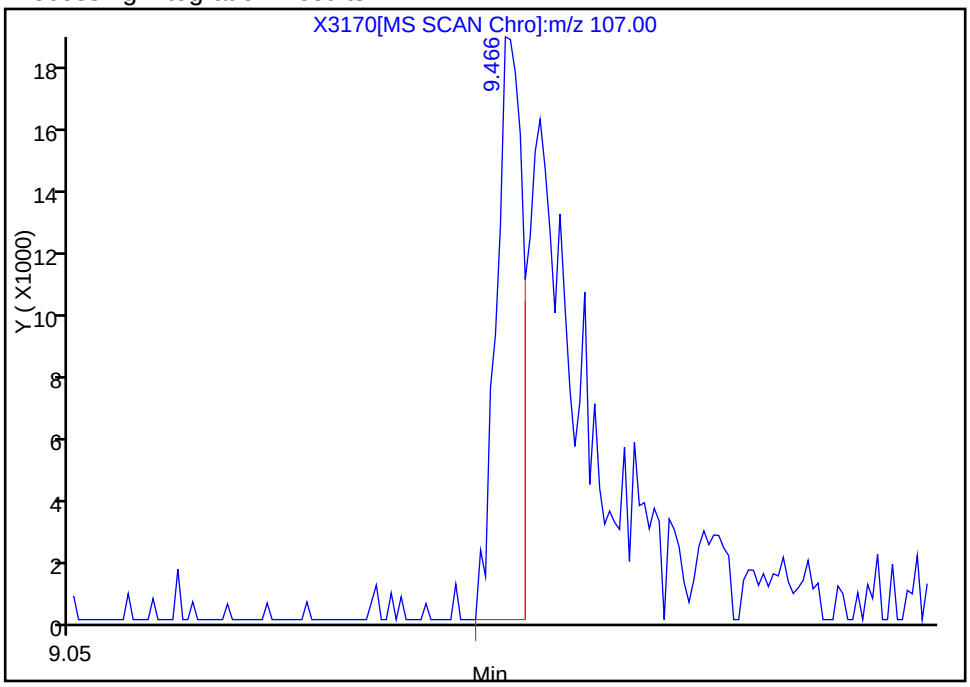
TestAmerica Buffalo

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

55 4-Chloro-3-methylphenol, Signal: 1, m/z: 107.0 Type: quant, RT: 9.44

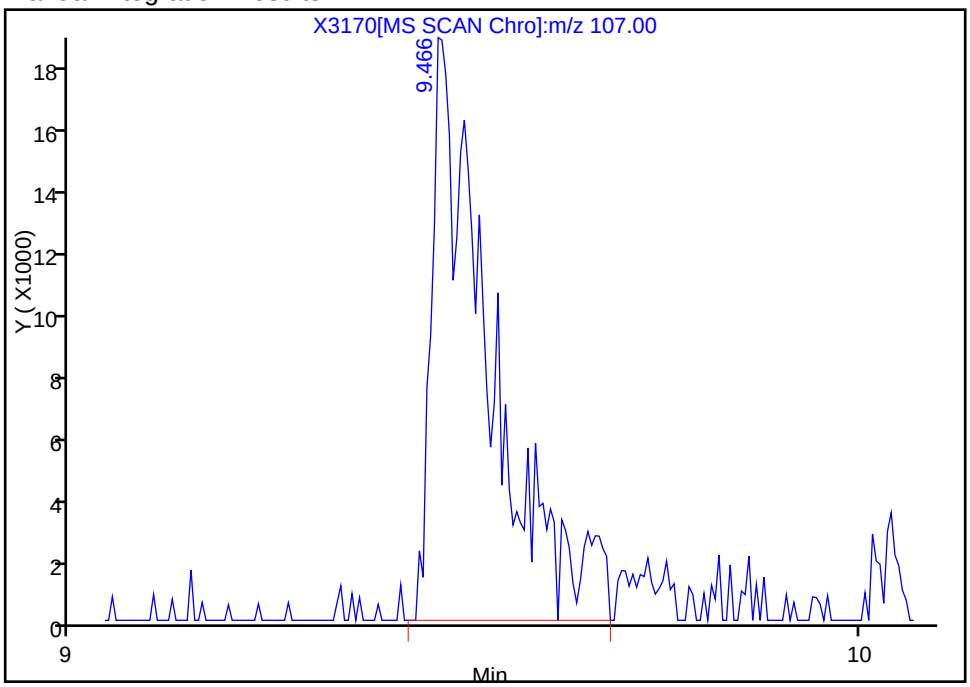
Processing Integration Results

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

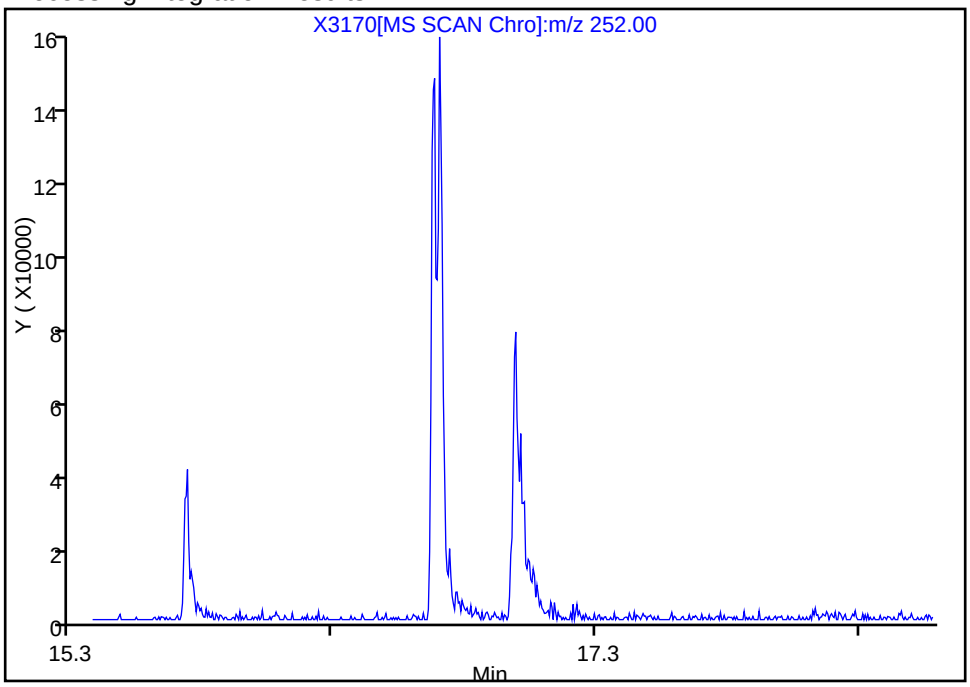
TestAmerica Buffalo

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

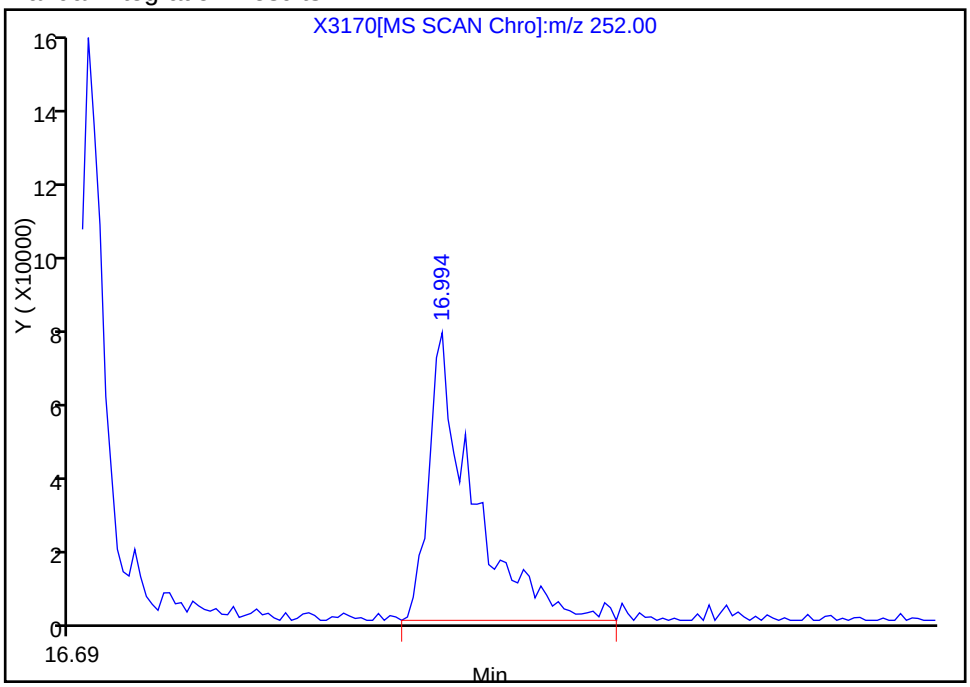
Processing Integration Results

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

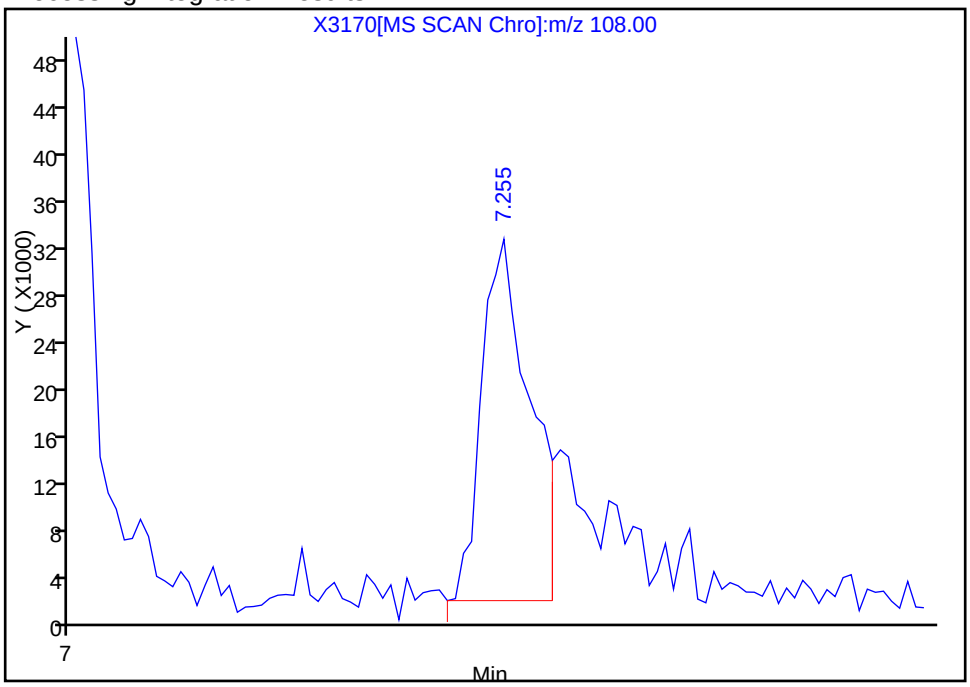
TestAmerica Buffalo

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

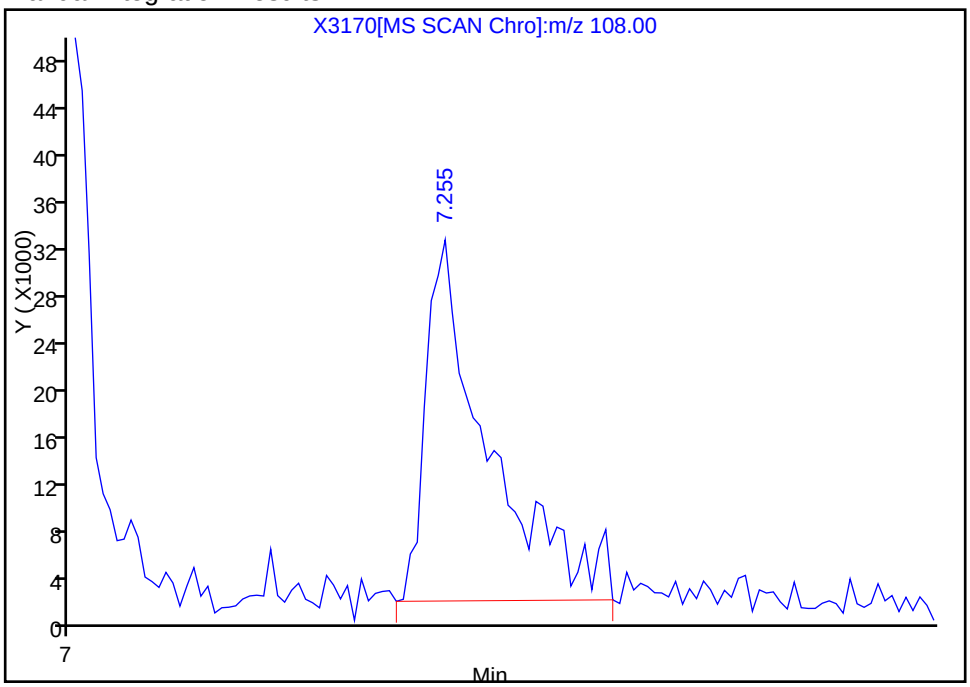
Processing Integration Results

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

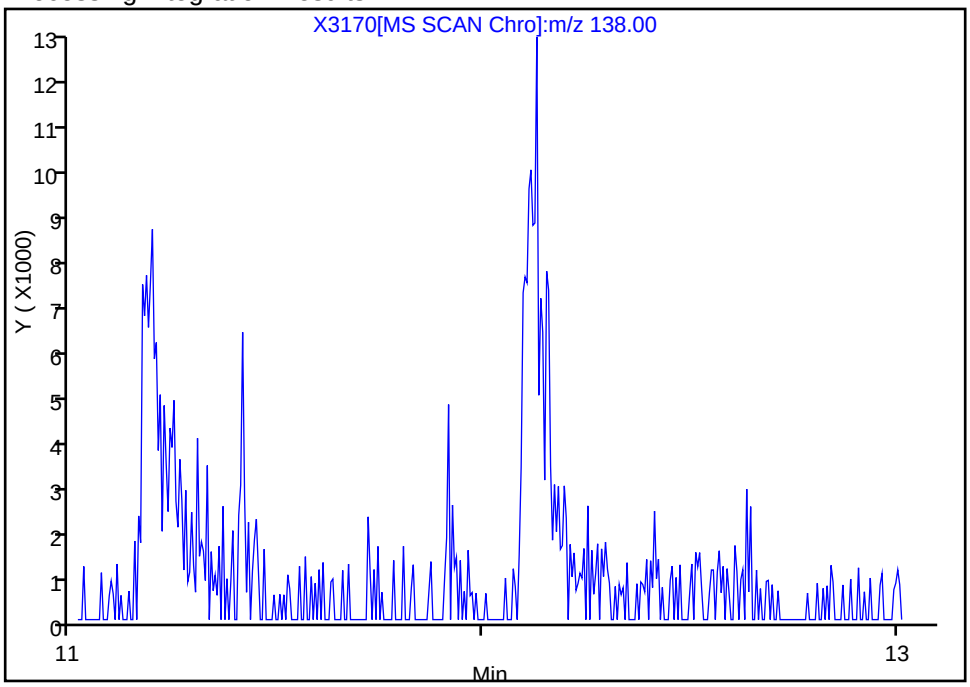
TestAmerica Buffalo

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

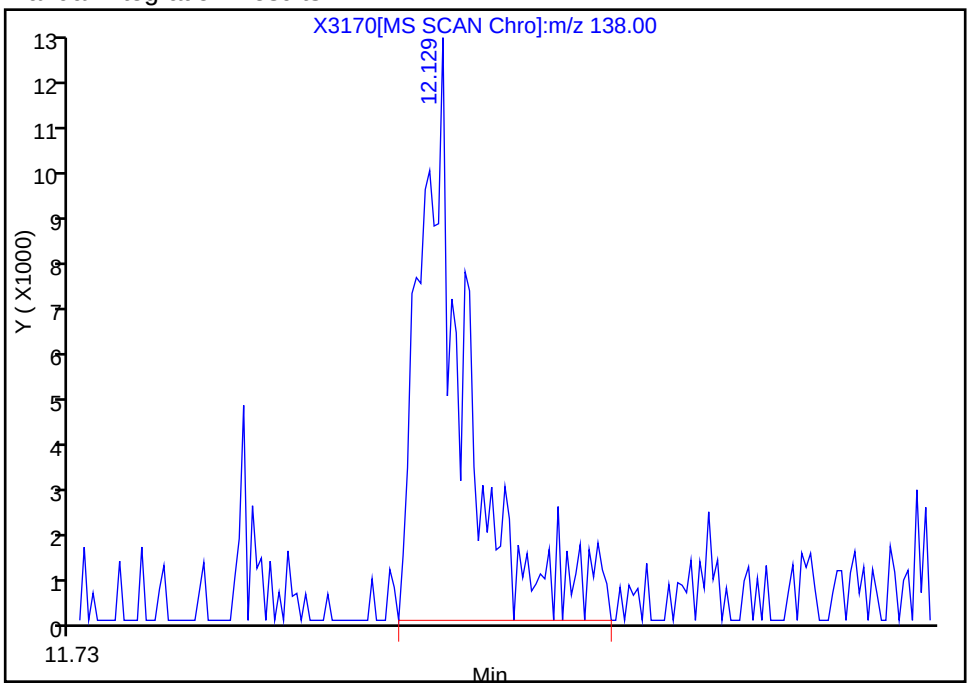
Processing Integration Results

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

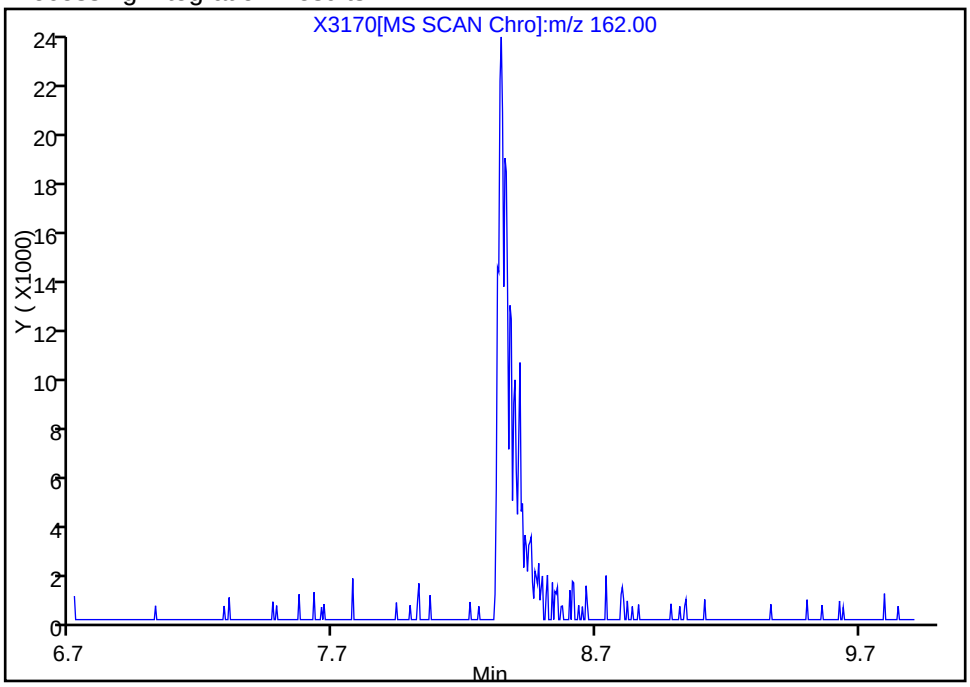
TestAmerica Buffalo

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

47 2,4-Dichlorophenol, Signal: 1, m/z: 162.0 Type: quant, RT: 8.32

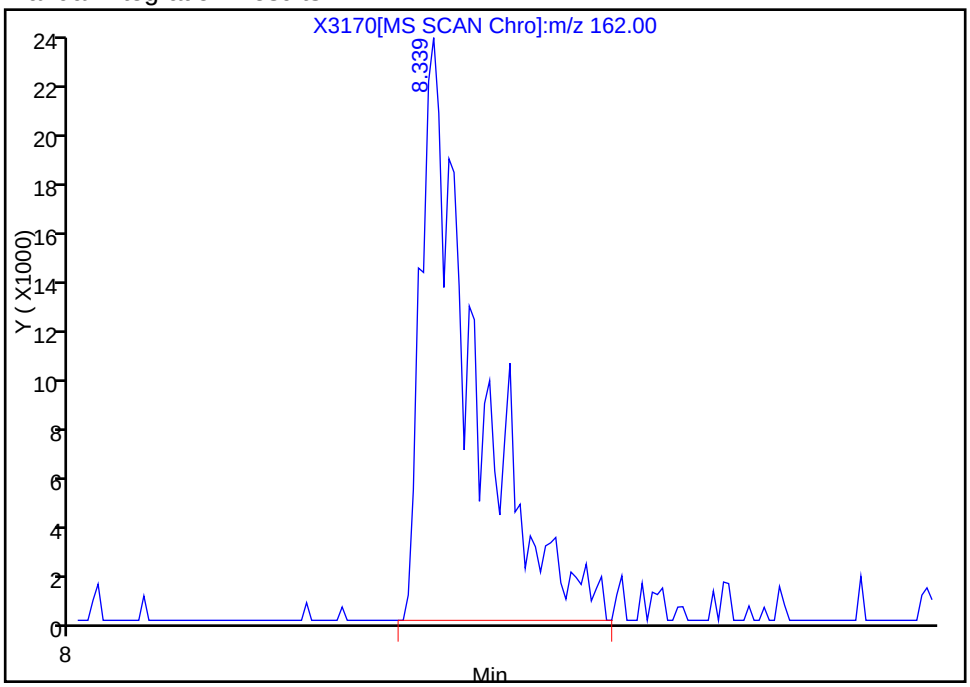
Processing Integration Results

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

Manual Integration/User Assign Peak Report

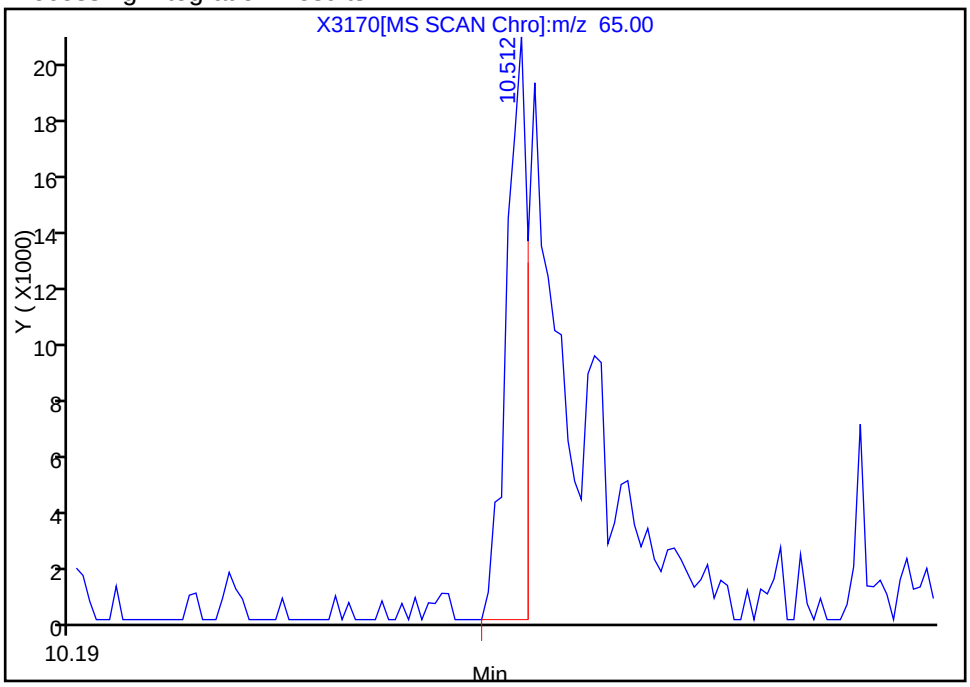
TestAmerica Buffalo

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

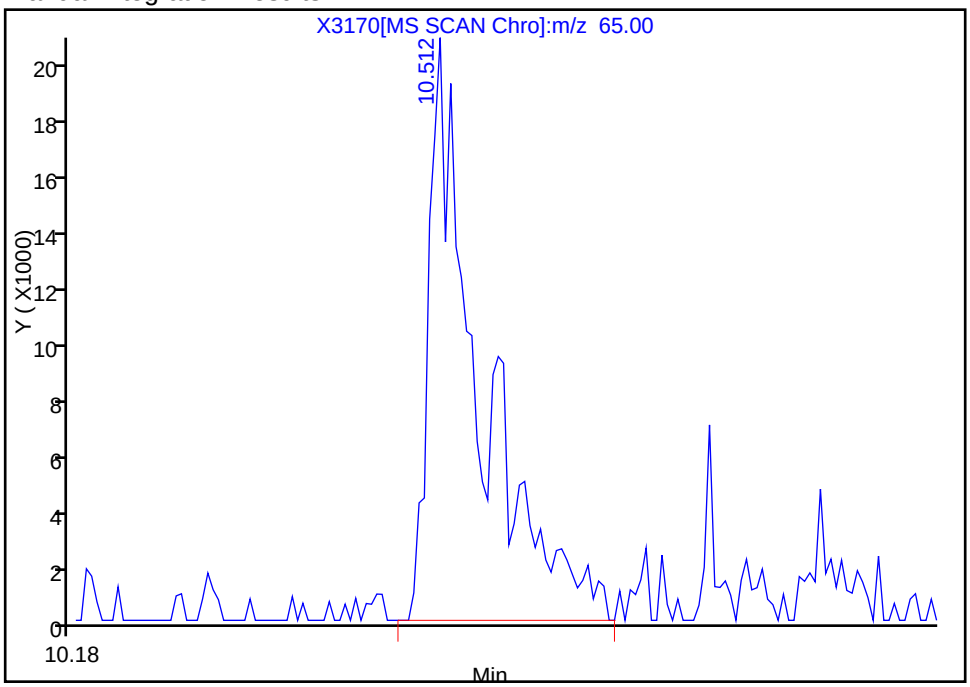
Processing Integration Results

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

Manual Integration/User Assign Peak Report

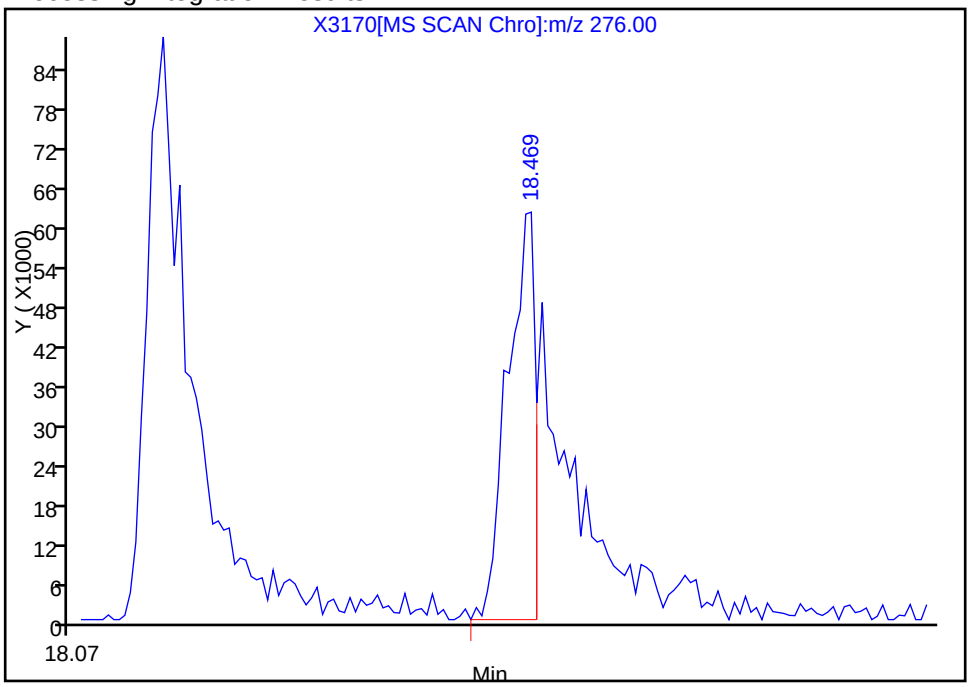
TestAmerica Buffalo

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

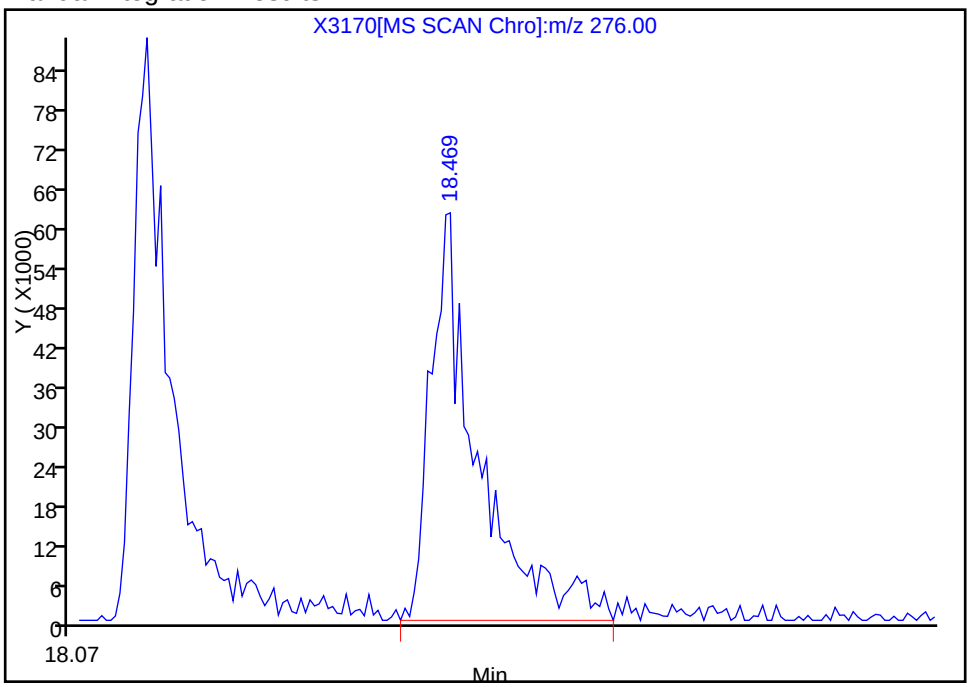
Processing Integration Results

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

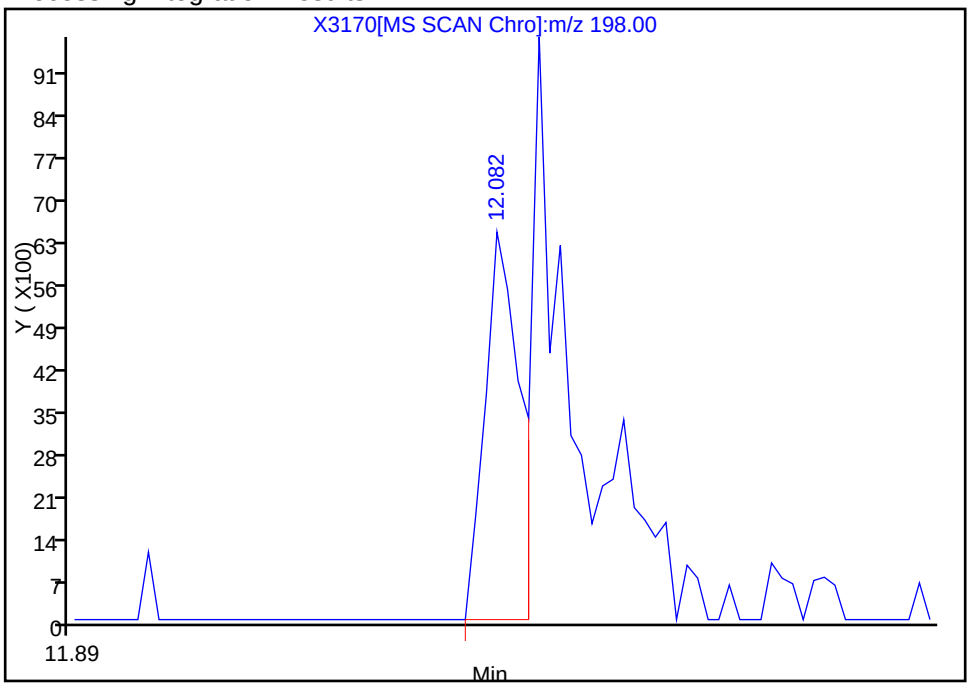
TestAmerica Buffalo

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

82 4,6-Dinitro-2-methylphenol, Signal: 1, m/z: 198.0 Type: quant, RT: 12.04

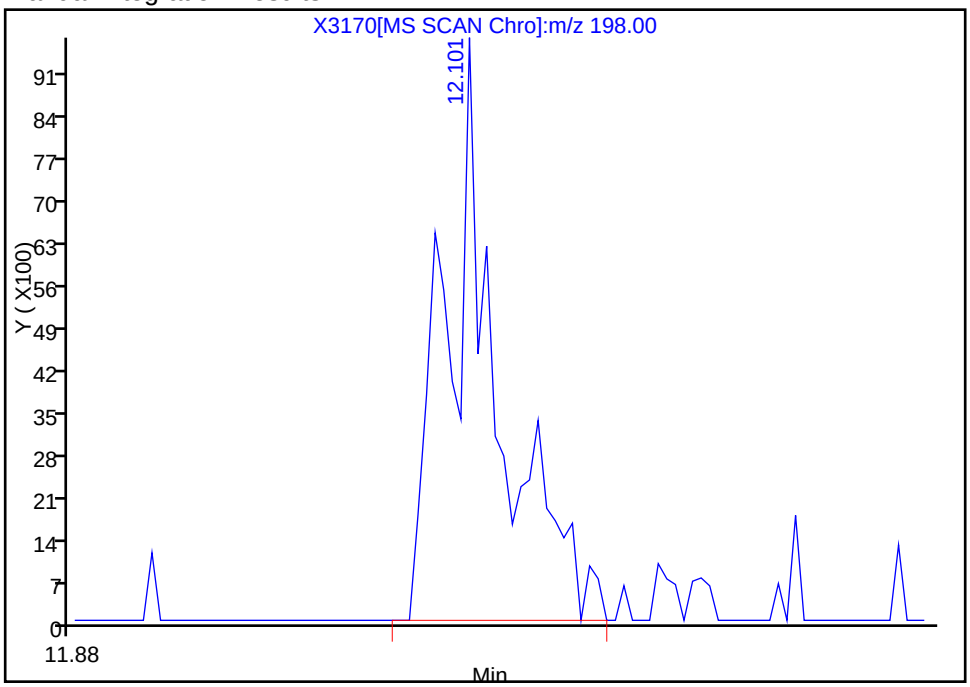
Processing Integration Results

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

Report Date: 09-Mar-2013 09:48:26 Chrom Revision: 2.0 01-Feb-2013 10:03:10

Manual Integration/User Assign Peak Report

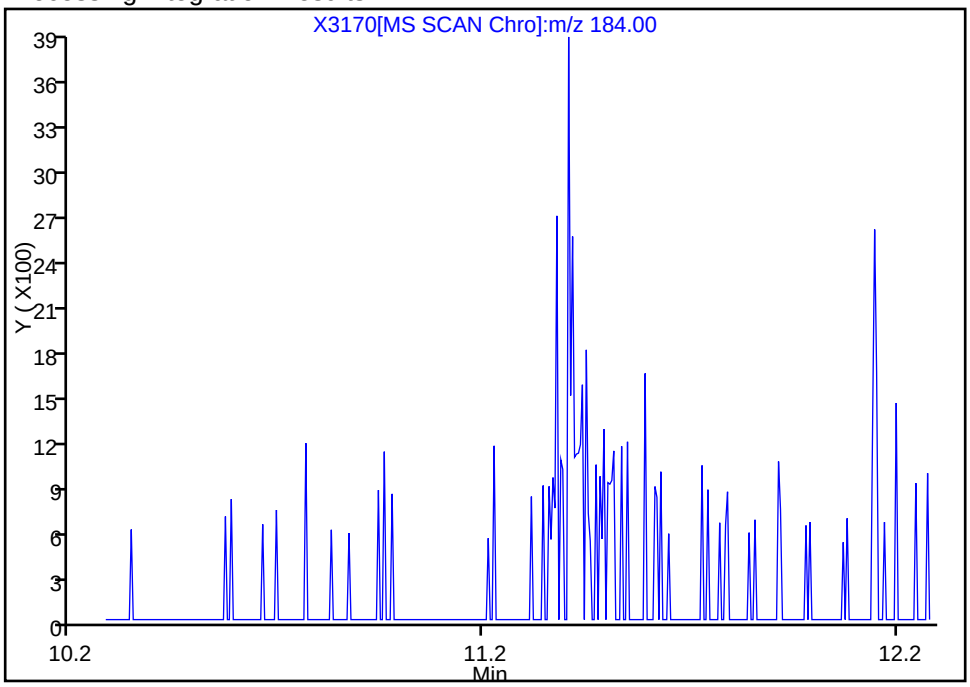
TestAmerica Buffalo

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

72 2,4-Dinitrophenol, Signal: 1, m/z: 184.0 Type: quant, RT: 11.28

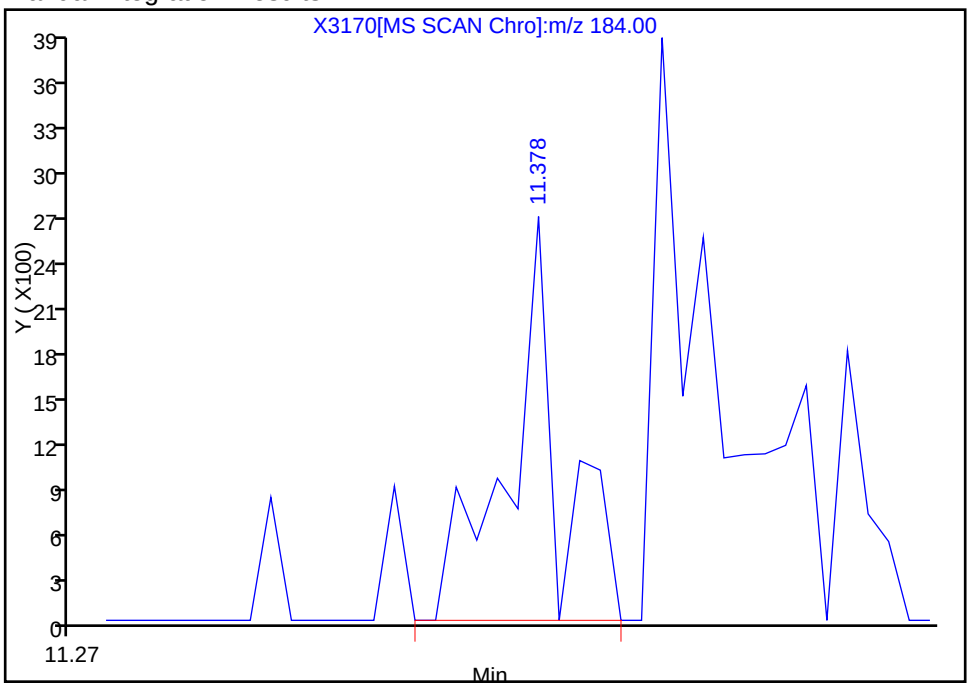
Processing Integration Results

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

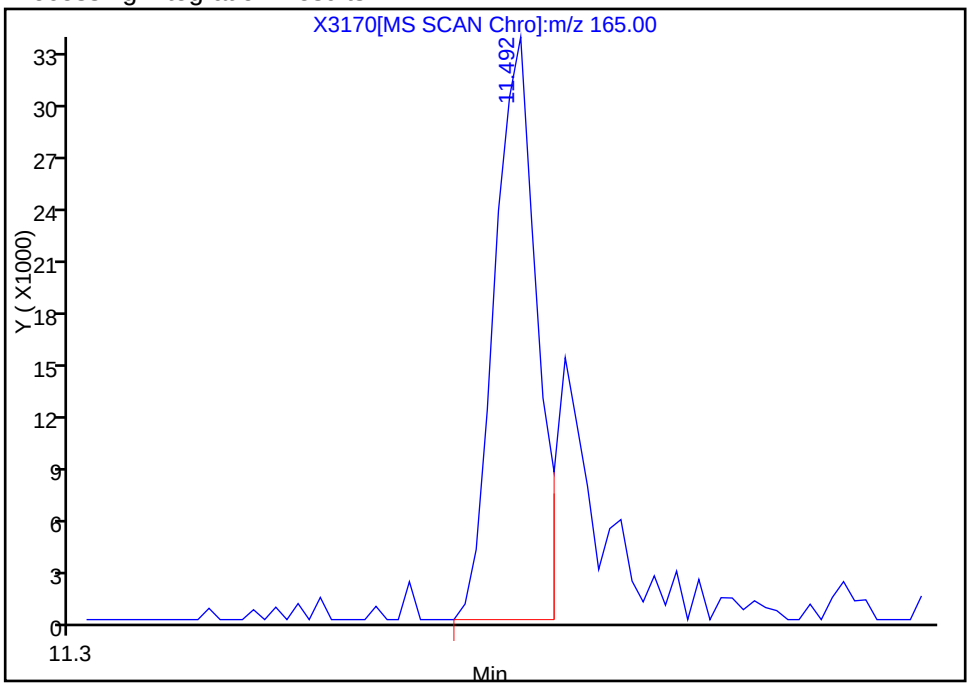
TestAmerica Buffalo

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

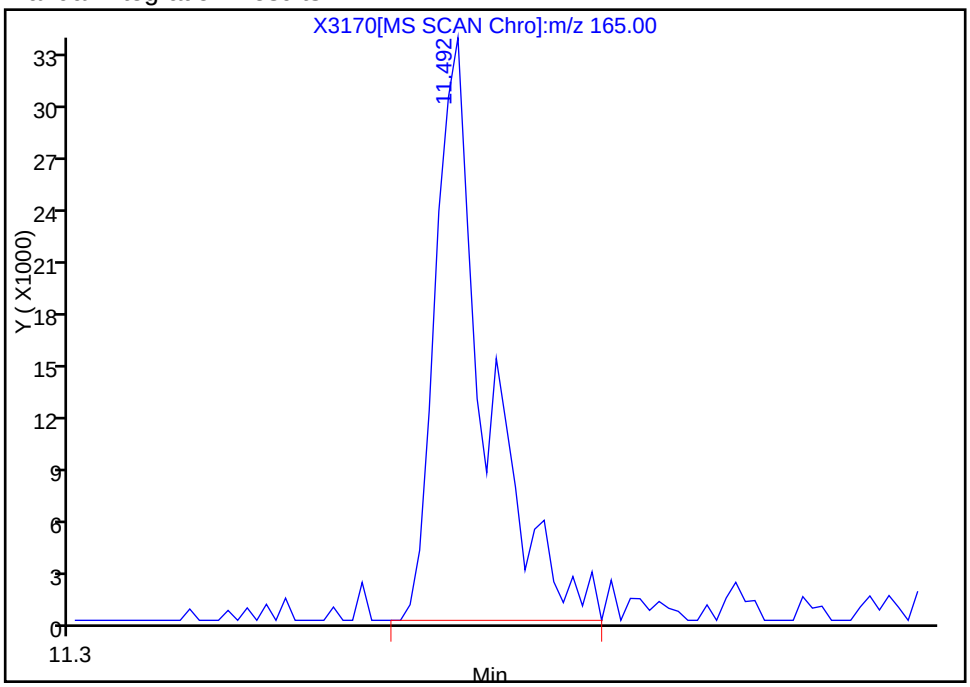
Processing Integration Results

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

Manual Integration/User Assign Peak Report

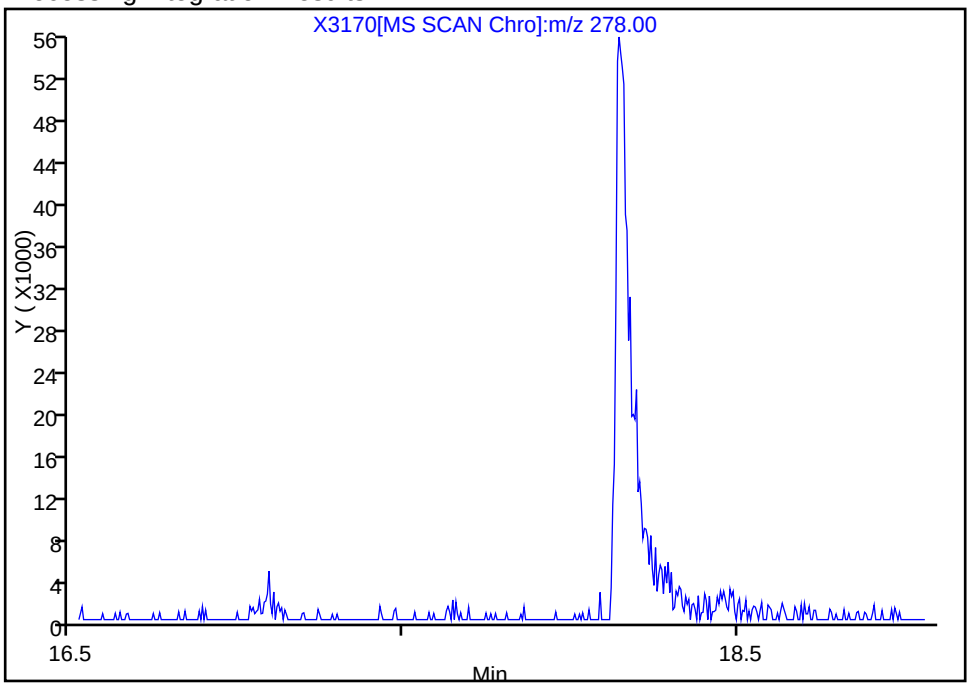
TestAmerica Buffalo

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

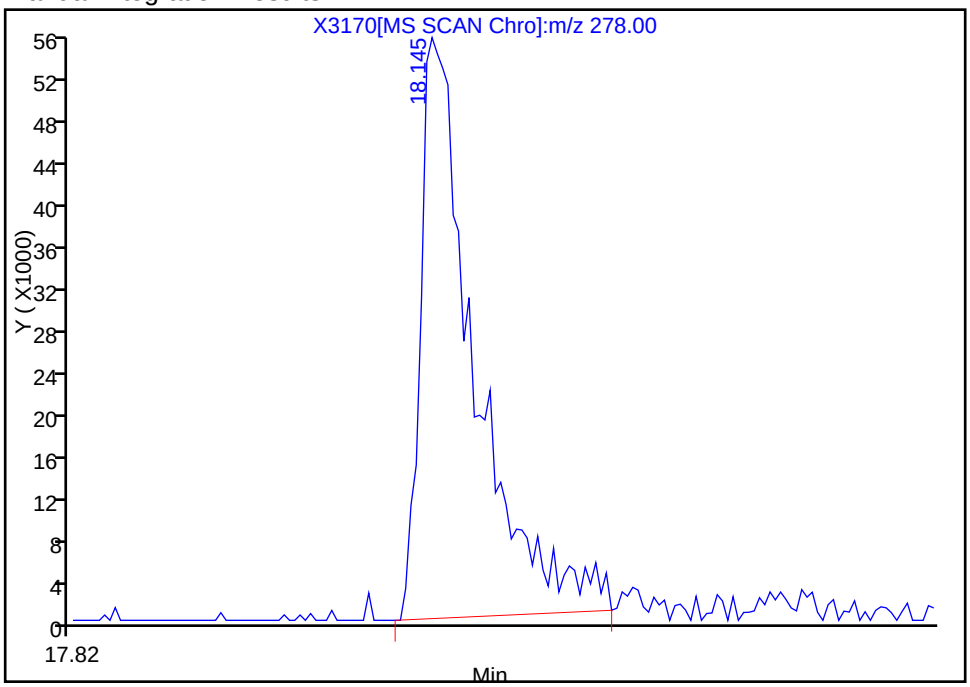
Processing Integration Results

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

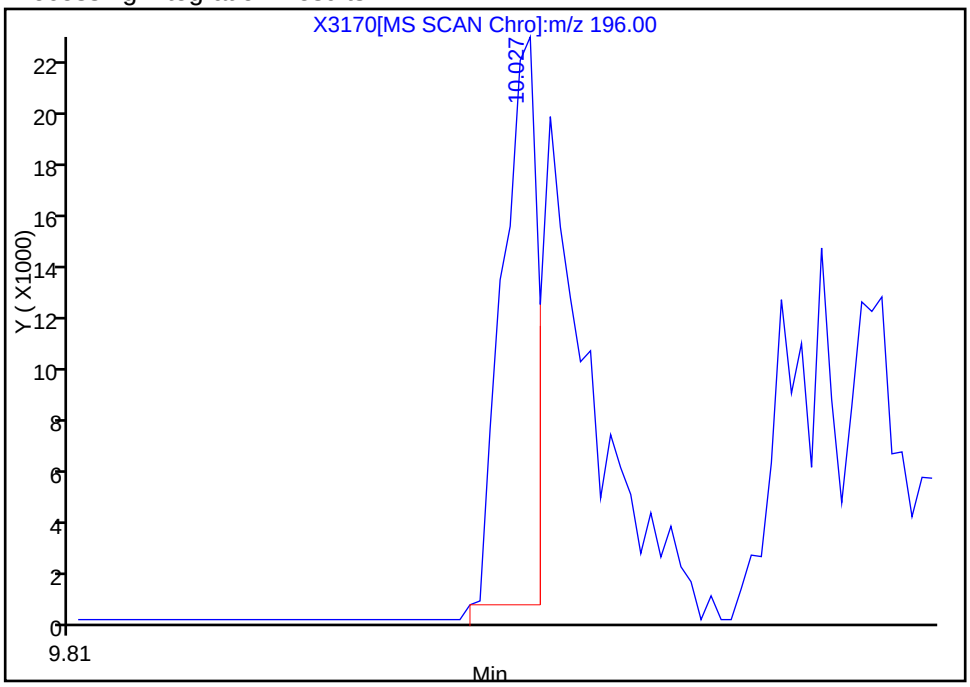
TestAmerica Buffalo

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

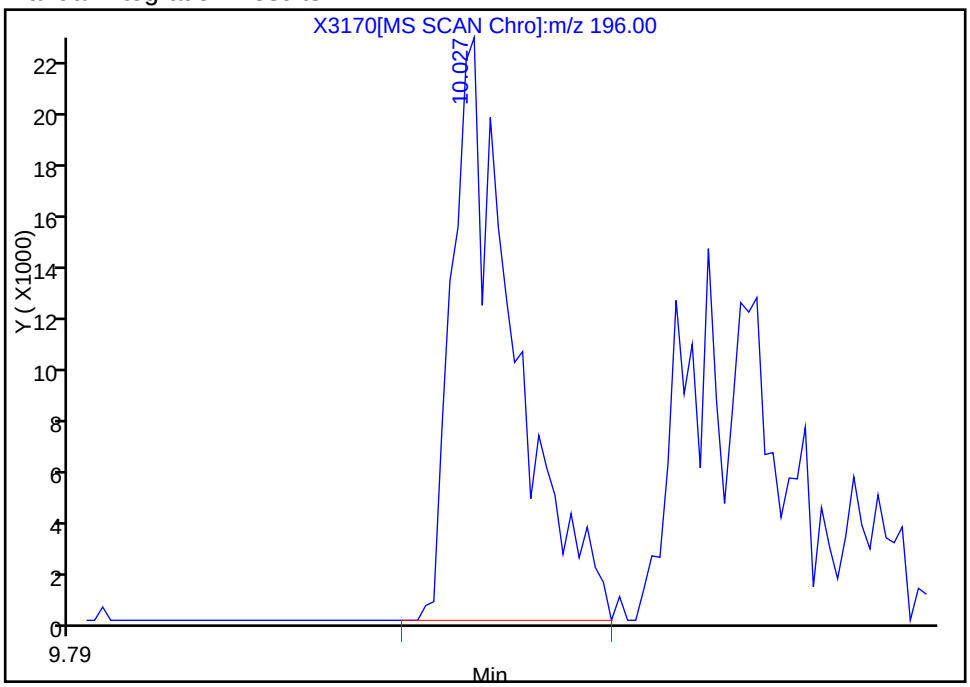
Processing Integration Results

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

Manual Integration/User Assign Peak Report

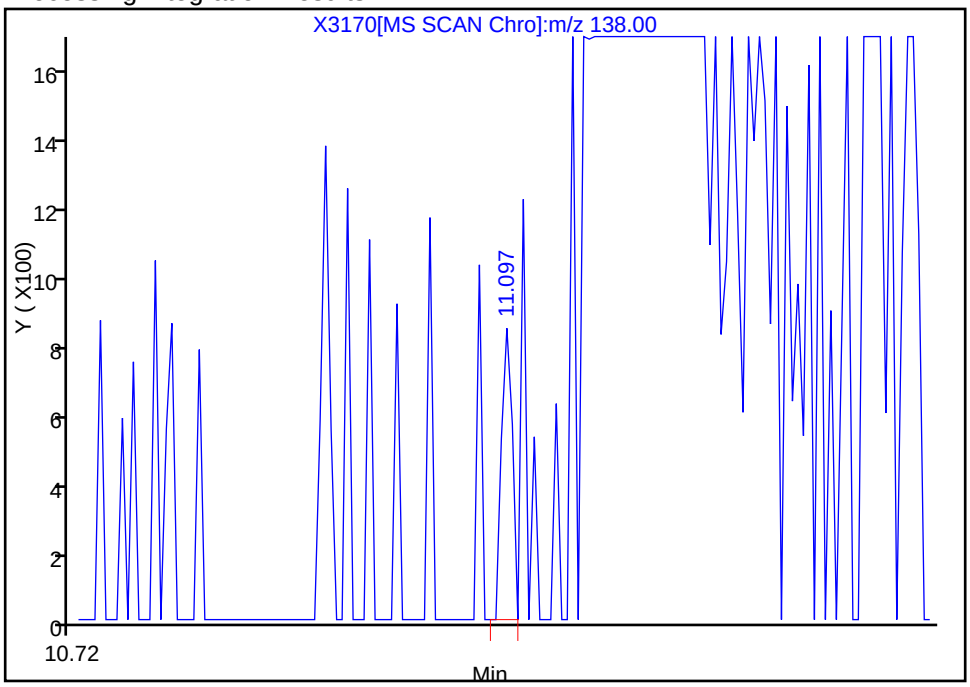
TestAmerica Buffalo

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

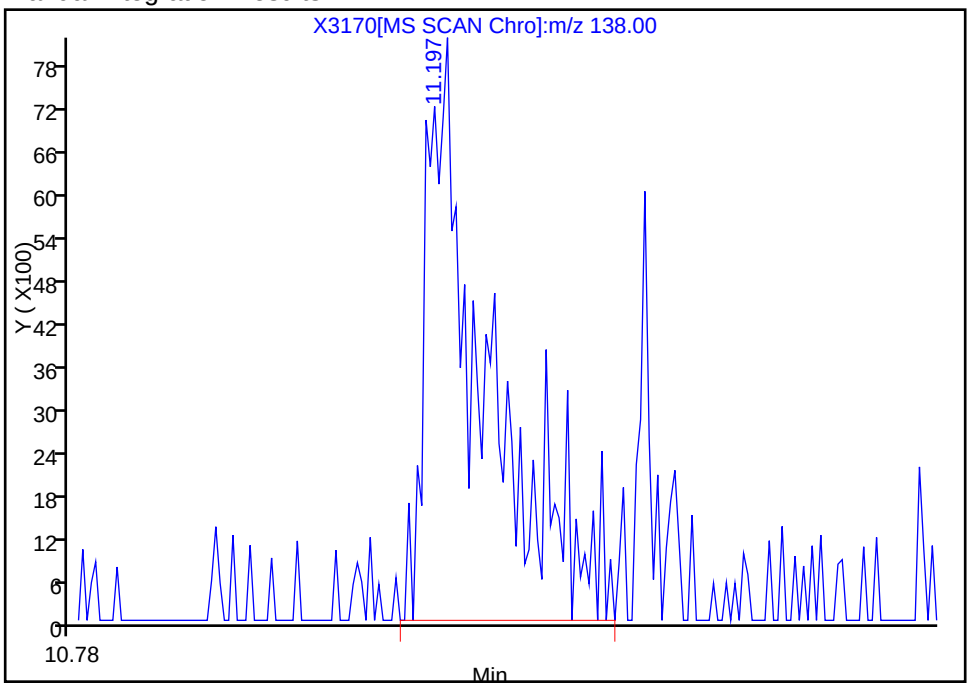
Processing Integration Results

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

Manual Integration/User Assign Peak Report

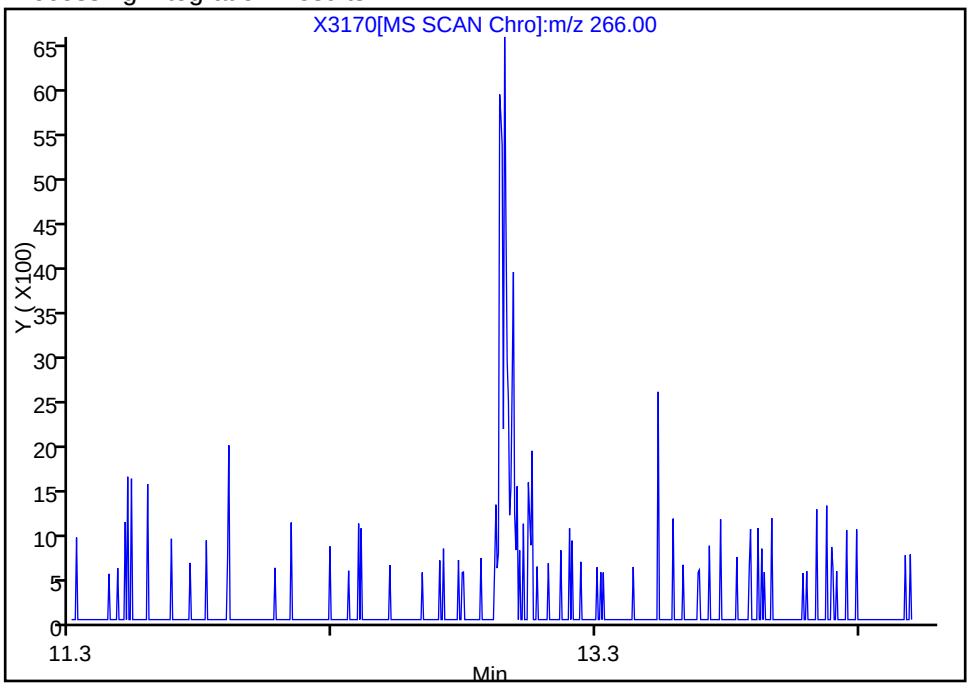
TestAmerica Buffalo

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

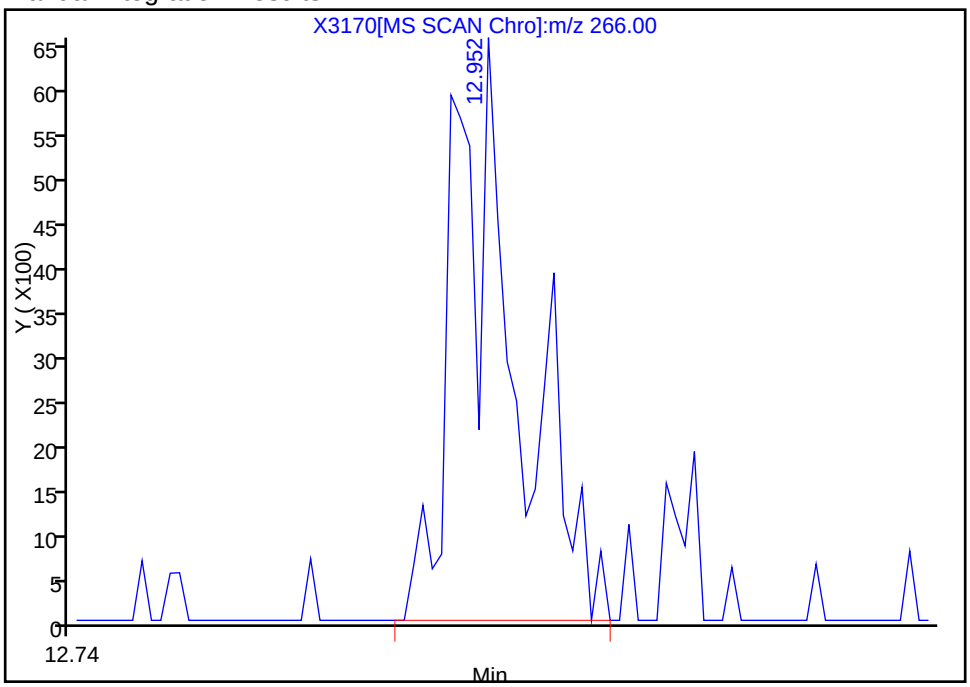
Processing Integration Results

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

Manual Integration/User Assign Peak Report

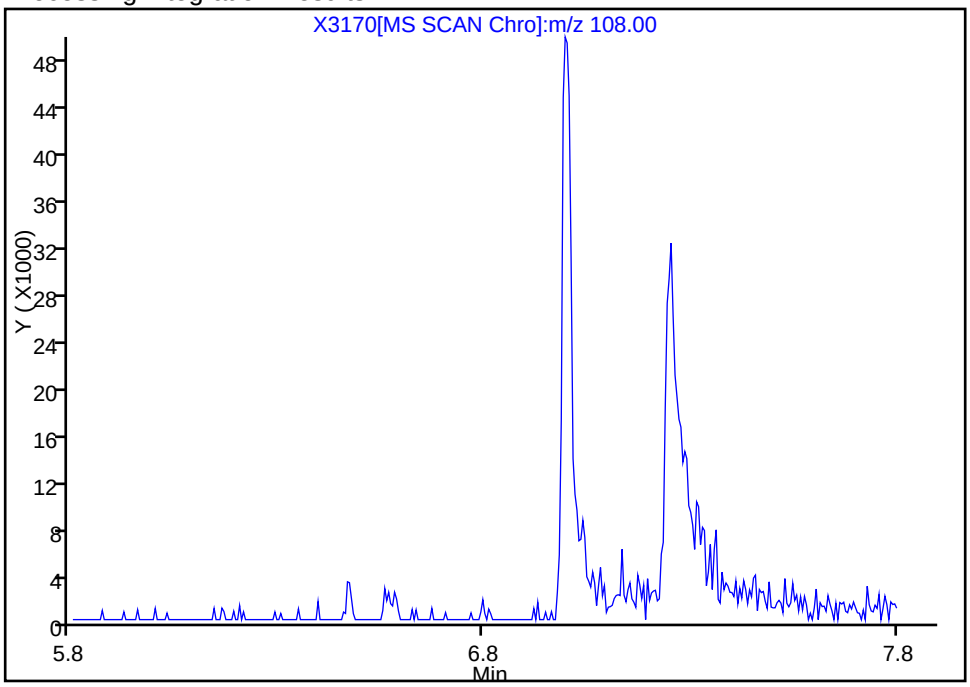
TestAmerica Buffalo

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

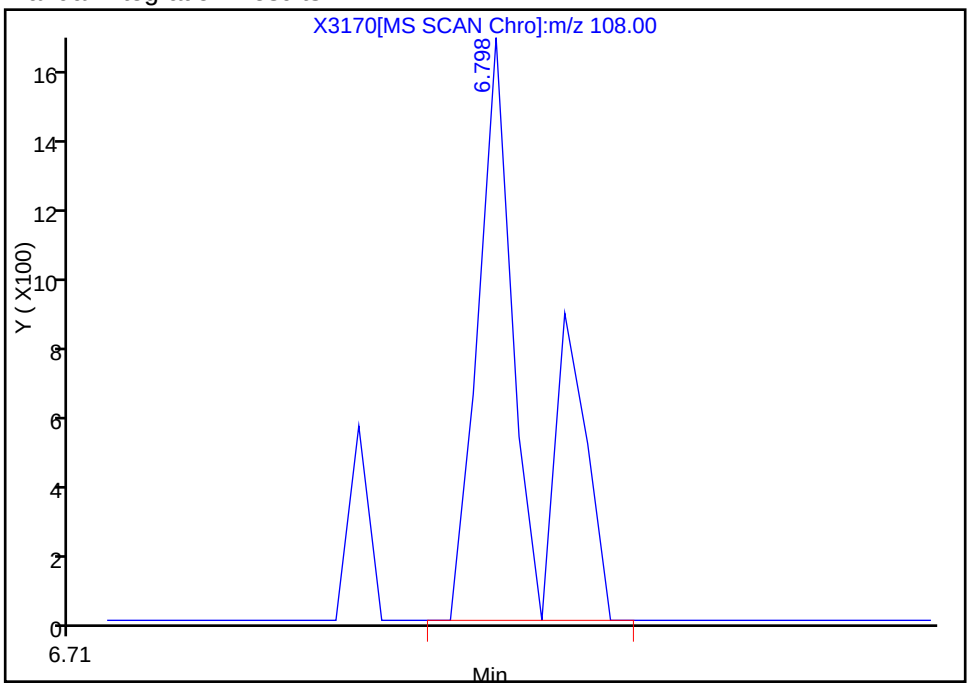
Processing Integration Results

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

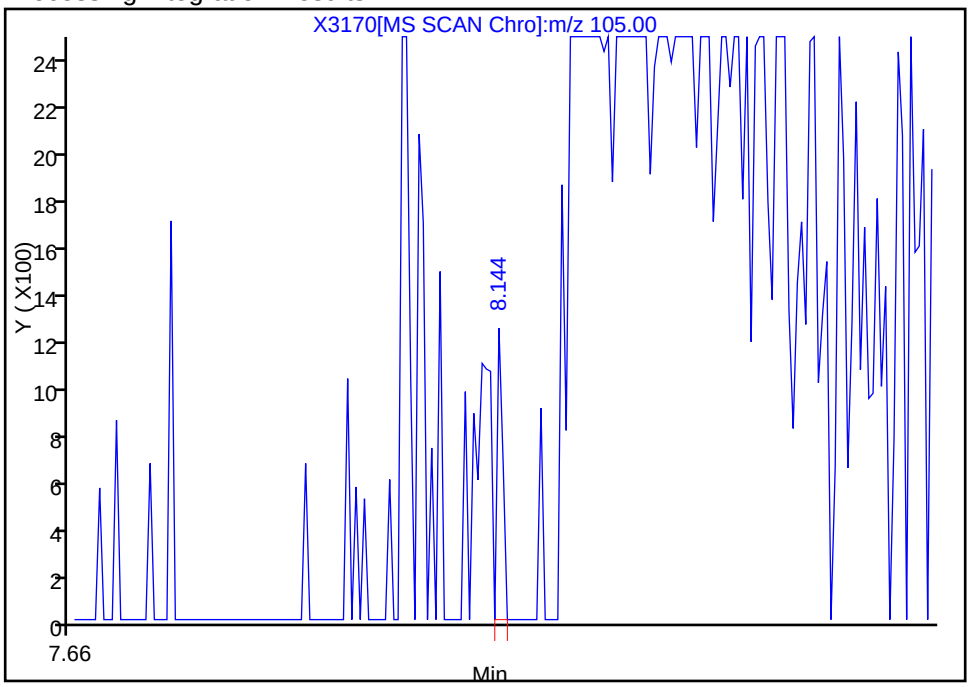
TestAmerica Buffalo

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

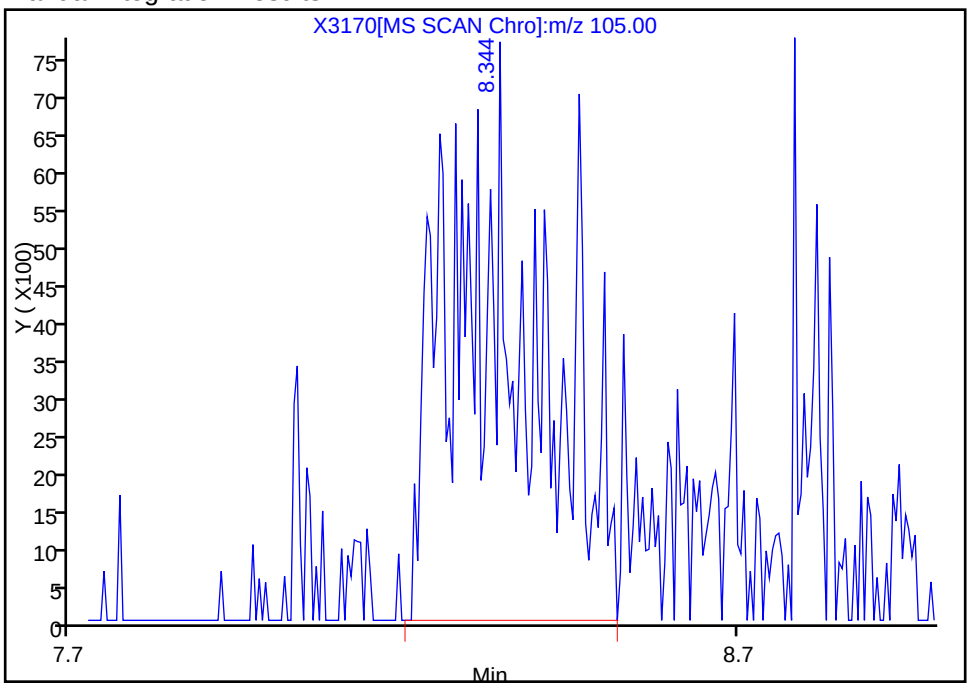
Processing Integration Results

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

Report Date: 09-Mar-2013 09:48:26 Chrom Revision: 2.0 01-Feb-2013 10:03:10

Manual Integration/User Assign Peak Report

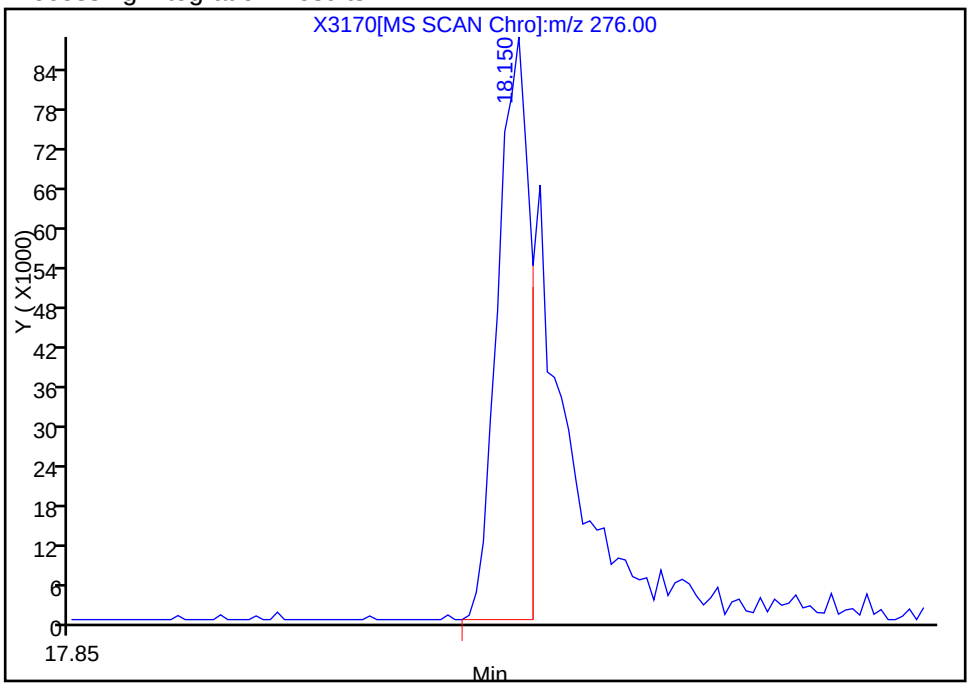
TestAmerica Buffalo

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

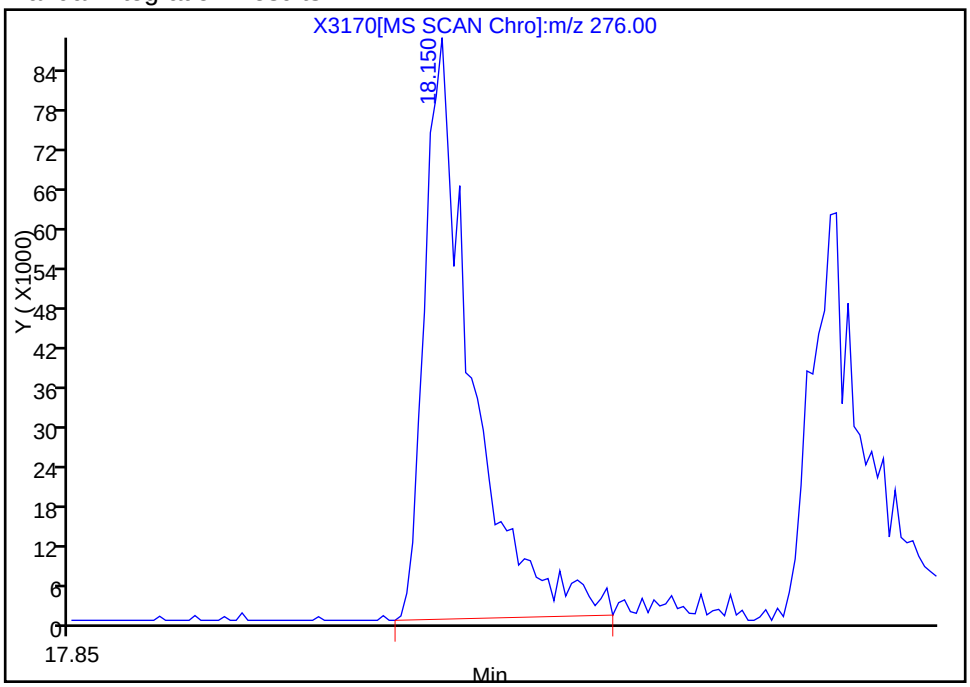
Processing Integration Results

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

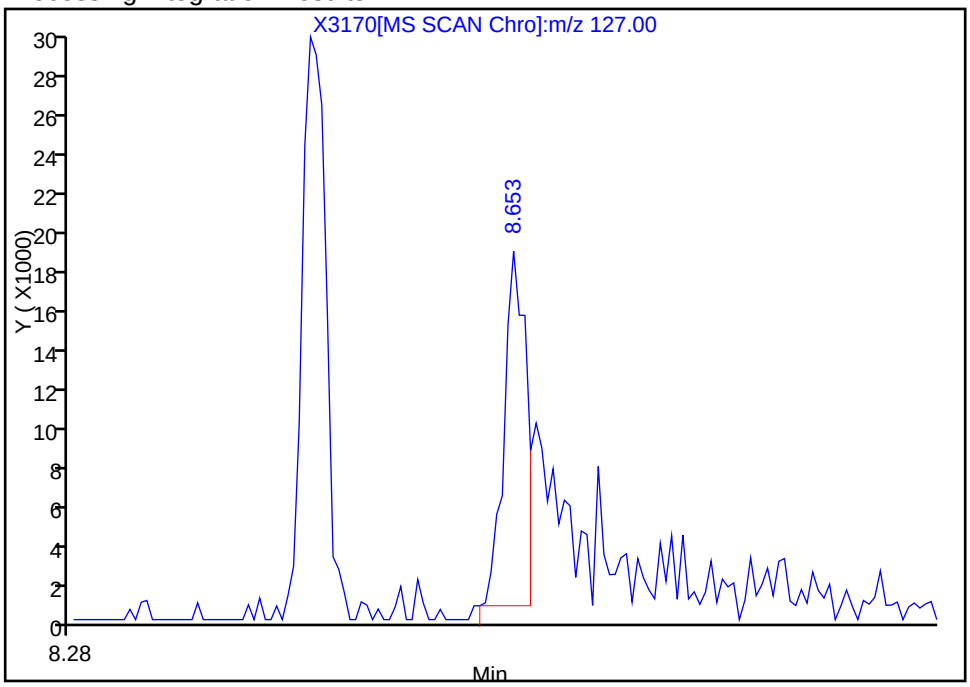
TestAmerica Buffalo

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

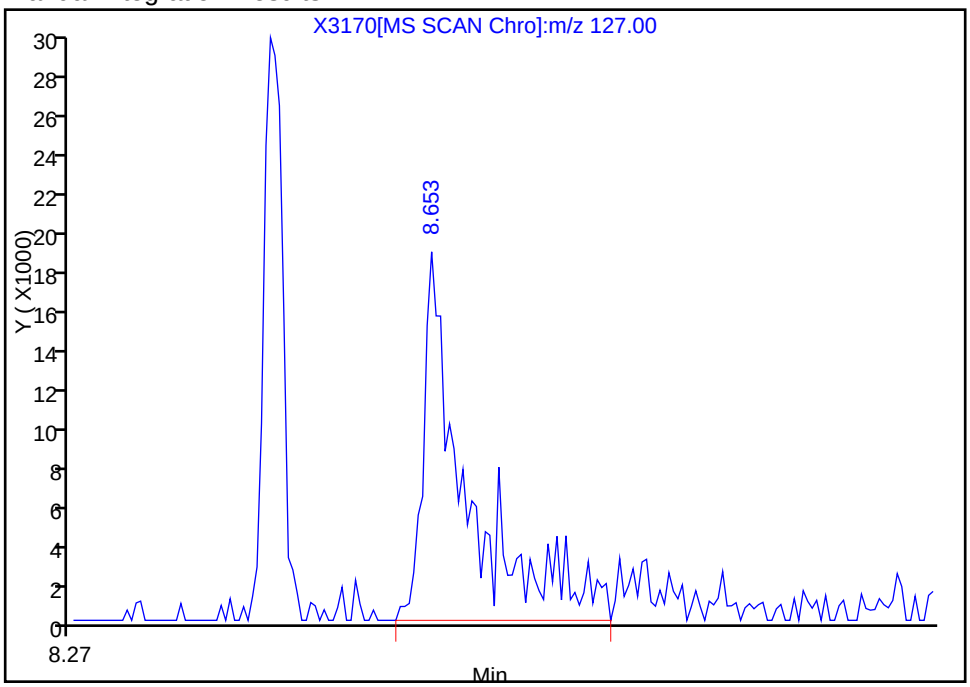
Processing Integration Results

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

Report Date: 09-Mar-2013 09:48:26 Chrom Revision: 2.0 01-Feb-2013 10:03:10

Manual Integration/User Assign Peak Report

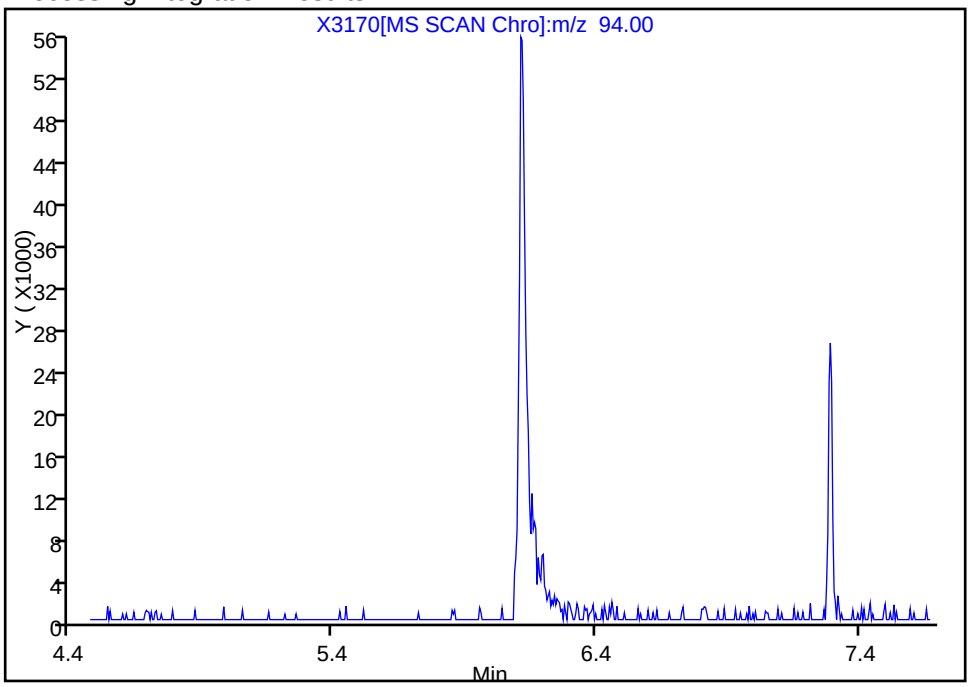
TestAmerica Buffalo

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

22 Phenol, Signal: 1, m/z: 94.0 Type: quant, RT: 6.08

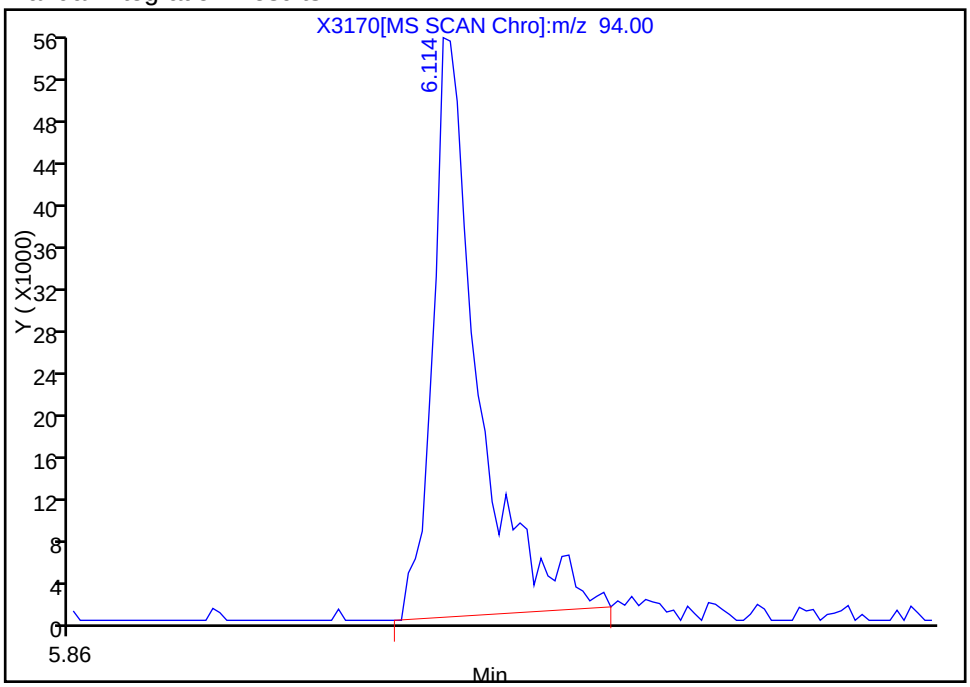
Processing Integration Results

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

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo
Job No.: 480-30106-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCS 480-96561/2-A
Matrix: Solid
Lab File ID: X3203.D
Analysis Method: 8270D
Date Collected:
Extract. Method: 3546
Date Extracted: 12/19/2012 09:30
Sample wt/vol: 000030.2(g)
Date Analyzed: 12/20/2012 15:42
Con. Extract Vol.: 1(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
Level: (low/med) Low
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 96803
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
117-81-7	Bis(2-ethylhexyl) phthalate	231		170	67
95-95-4	2,4,5-Trichlorophenol	247		33	11
62-53-3	Aniline	225		33	9.9
67-72-1	Hexachloroethane	210		33	9.9
131-11-3	Dimethyl phthalate	239		33	9.9
621-64-7	N-Nitrosodi-n-propylamine	239		33	9.9
7005-72-3	4-Chlorophenyl phenyl ether	238		33	9.9
105-67-9	2,4-Dimethylphenol	240		33	9.9
59-50-7	4-Chloro-3-methylphenol	241		66	9.9
78-59-1	Isophorone	226		33	9.9
50-32-8	Benzo[a]pyrene	235		33	9.9
86-73-7	Fluorene	226		33	9.9
106-44-5	4-Methylphenol	527		33	9.9
100-01-6	4-Nitroaniline	171		170	28
132-64-9	Dibenzofuran	253		33	9.9
208-96-8	Acenaphthylene	246		33	9.9
120-83-2	2,4-Dichlorophenol	228		33	9.9
88-74-4	2-Nitroaniline	254		170	42
191-24-2	Benzo[g,h,i]perylene	160		33	9.9
118-74-1	Hexachlorobenzene	257		33	9.9
105-60-2	Caprolactam	232		33	9.9
117-84-0	Di-n-octyl phthalate	285		33	9.9
86-74-8	Carbazole	219		33	9.9
87-68-3	Hexachlorobutadiene	203		33	9.9
85-01-8	Phenanthrene	253		33	9.9
88-75-5	2-Nitrophenol	233		33	13
534-52-1	4,6-Dinitro-2-methylphenol	189		170	32
207-08-9	Benzo[k]fluoranthene	298		33	17
90-12-0	1-Methylnaphthalene	503		33	9.9
51-28-5	2,4-Dinitrophenol	251		33	27
120-12-7	Anthracene	254		33	9.9
86-30-6	N-Nitrosodiphenylamine	144		33	9.9
91-57-6	2-Methylnaphthalene	203		33	9.9
84-74-2	Di-n-butyl phthalate	273		170	50

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo
Job No.: 480-30106-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCS 480-96561/2-A
Matrix: Solid
Lab File ID: X3203.D
Analysis Method: 8270D
Date Collected:
Extract. Method: 3546
Date Extracted: 12/19/2012 09:30
Sample wt/vol: 000030.2(g)
Date Analyzed: 12/20/2012 15:42
Con. Extract Vol.: 1(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
Level: (low/med) Low
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 96803
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
120-82-1	1,2,4-Trichlorobenzene	210		33	9.9
1912-24-9	Atrazine	218		33	9.9
129-00-0	Pyrene	220		33	9.9
121-14-2	2,4-Dinitrotoluene	236		33	9.9
53-70-3	Dibenz(a,h)anthracene	168		33	9.9
541-73-1	1,3-Dichlorobenzene	195		33	9.9
101-84-8	Phenyl ether	326		33	9.9
100-52-7	Benzaldehyde	238		33	9.9
98-95-3	Nitrobenzene	233		33	9.9
103-33-3	Azobenzene	710		33	9.9
91-20-3	Naphthalene	212		33	9.9
88-06-2	2,4,6-Trichlorophenol	255		33	14
77-47-4	Hexachlorocyclopentadiene	192		66	9.9
99-09-2	3-Nitroaniline	175		170	9.9
87-86-5	Pentachlorophenol	233		33	9.9
206-44-0	Fluoranthene	209		33	9.9
91-94-1	3,3'-Dichlorobenzidine	225		66	12
62-75-9	N-Nitrosodimethylamine	189		33	9.9
101-55-3	4-Bromophenyl phenyl ether	266		33	9.9
100-51-6	Benzyl alcohol	176		66	9.9
92-52-4	1,1'-Biphenyl	273		33	9.9
58-90-2	2,3,4,6-Tetrachlorophenol	493		33	9.9
119-61-9	Benzophenone	294		33	9.9
84-66-2	Diethyl phthalate	240		33	11
65-85-0	Benzoic acid	337		170	15
95-48-7	2-Methylphenol	261		33	9.9
95-50-1	1,2-Dichlorobenzene	204		33	9.9
108-60-1	2,2'-oxybis[1-chloropropane]	194		33	9.9
98-86-2	Acetophenone	502		33	9.9
111-44-4	Bis(2-chloroethyl)ether	219		33	9.9
56-55-3	Benzo[a]anthracene	277		33	9.9
122-66-7	1,2-Diphenylhydrazine	709		33	9.9
193-39-5	Indeno[1,2,3-cd]pyrene	158		33	9.9
85-68-7	Butyl benzyl phthalate	224		33	9.9

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo
Job No.: 480-30106-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCS 480-96561/2-A
Matrix: Solid
Lab File ID: X3203.D
Analysis Method: 8270D
Date Collected:
Extract. Method: 3546
Date Extracted: 12/19/2012 09:30
Sample wt/vol: 000030.2(g)
Date Analyzed: 12/20/2012 15:42
Con. Extract Vol.: 1(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
Level: (low/med) Low
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 96803
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
218-01-9	Chrysene	236		33	9.9
83-32-9	Acenaphthene	215		33	9.9
205-99-2	Benzo[b]fluoranthene	248		33	9.9
100-02-7	4-Nitrophenol	240		170	14
106-47-8	4-Chloroaniline	190		66	30
95-57-8	2-Chlorophenol	236		33	9.9
606-20-2	2,6-Dinitrotoluene	123		33	28
108-95-2	Phenol	234		33	9.9
106-46-7	1,4-Dichlorobenzene	208		33	9.9
111-91-1	Bis(2-chloroethoxy)methane	235		33	9.9
91-58-7	2-Chloronaphthalene	219		33	9.9
95-94-3	1,2,4,5-Tetrachlorobenzene	561		33	9.9

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	84		30-130
367-12-4	2-Fluorophenol	77		30-130
4165-60-0	Nitrobenzene-d5	86		30-130
4165-62-2	Phenol-d5	86		30-130
321-60-8	2-Fluorobiphenyl	97		30-130
1718-51-0	p-Terphenyl-d14	91		30-130

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3203.D
Lims ID: LCS 480-96561/2-A Client ID:
Inject. Date: 20-Dec-2012 15:42:30 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: 480-0017736-013
Misc. Info.:
Operator: ANM Instrument ID: HP5973X
Injection Vol: 1.0 ul ALS Bottle#: 15
Lims Batch ID: 96803 Lims Sample ID: 13
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973X\20121220-17736.b\X-8270LL.m
Last Update: 09-Mar-2013 09:29:35 Calib Date: 18-Dec-2012 14:44:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3139.D
Limit Group: MB - 8270RCP_MCP ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: RXI-5Sil MS Column Dia: 0.25 mm
Process Host: XAWRK034

First Level Reviewer: mckernar Date: 20-Dec-2012 16:25:25

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.551	6.570	-0.019	83	208342	5.00	
* 2 Naphthalene-d8	136	8.448	8.439	0.009	96	783539	5.00	
* 3 Acenaphthene-d10	164	11.092	11.064	0.028	81	465037	5.00	
* 4 Phenanthrene-d10	188	13.109	13.080	0.029	96	656111	5.00	
* 5 Chrysene-d12	240	15.748	15.734	0.014	94	505522	5.00	
* 6 Perylene-d12	264	17.027	17.013	0.014	96	573004	5.00	
$ 7 2-Fluorophenol	112	4.677	4.682	-0.005	1	72910	1.54	
$ 8 Phenol-d5	99	6.080	6.090	-0.010	53	98525	1.71	
$ 9 Nitrobenzene-d5	82	7.383	7.393	-0.010	82	101577	1.73	
$ 10 2-Fluorobiphenyl	172	10.103	10.075	0.028	94	226772	1.94	
$ 11 2,4,6-Tribromophenol	330	12.262	12.229	0.033	51	20190	1.67	
$ 12 p-Terphenyl-d14	244	14.783	14.759	0.024	93	176596	1.81	
19 N-Nitrosodimethylamine	42	2.794	2.766	0.028	72	217127	5.70	
20 Pyridine	52	2.865	2.837	0.028	73	178879	4.63	
21 Benzaldehyde	77	5.918	5.938	-0.020	89	293463	7.19	
23 Aniline	93	6.085	6.104	-0.019	97	517791	6.79	
22 Phenol	94	6.099	6.109	-0.010	47	447892	7.06	M
24 Bis(2-chloroethyl)ether	93	6.180	6.204	-0.024	98	330320	6.61	
25 2-Chlorophenol	128	6.251	6.270	-0.019	97	384922	7.13	
26 1,3-Dichlorobenzene	146	6.461	6.484	-0.024	97	394452	5.89	
27 1,4-Dichlorobenzene	146	6.575	6.594	-0.019	69	419608	6.28	
29 1,2-Dichlorobenzene	146	6.793	6.813	-0.020	83	384587	6.17	
28 Benzyl alcohol	108	6.798	6.813	-0.015	58	95451	5.31	M
31 2-Methylphenol	108	6.979	6.993	-0.014	75	356316	7.87	
32 2,2'-oxybis[1-chloropropane]	45	6.974	6.998	-0.024	73	476007	5.86	
33 Acetophenone	105	7.164	7.174	-0.010	98	1171425	15.2	
34 N-Nitrosodi-n-propylamine	70	7.174	7.183	-0.009	83	280266	7.22	
36 4-Methylphenol	108	7.221	7.231	-0.010	79	729826	15.9	
37 Hexachloroethane	117	7.288	7.298	-0.010	95	168593	6.34	
38 Nitrobenzene	77	7.412	7.421	-0.009	83	428476	7.03	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
40 Isophorone	82	7.778	7.778	0.0	74	685472	6.83	
41 2-Nitrophenol	139	7.892	7.892	0.0	86	195301	7.04	
43 2,4-Dimethylphenol	107	8.006	8.001	0.005	86	380088	7.26	M
42 o,o',o''-Triethylphosphorothioat	198	8.087	8.055	0.032	89	213175	0	
45 Bis(2-chloroethoxy)methane	93	8.125	8.125	0.0	98	421500	7.10	
44 Benzoic acid	105	8.192	8.177	0.015	1	288225	10.2	M
47 2,4-Dichlorophenol	162	8.287	8.277	0.010	82	292701	6.87	
48 1,2,4-Trichlorobenzene	180	8.372	8.363	0.009	98	331702	6.33	
49 Naphthalene	128	8.477	8.472	0.005	93	1113316	6.41	
51 4-Chloroaniline	127	8.610	8.596	0.014	96	360757	5.74	
52 Hexachlorobutadiene	225	8.672	8.662	0.010	81	175269	6.13	
54 Caprolactam	113	9.152	9.129	0.023	84	108399	6.99	
55 4-Chloro-3-methylphenol	107	9.414	9.385	0.029	72	343127	7.29	
56 2-Methylnaphthalene	142	9.533	9.509	0.024	77	745588	6.13	
57 1-Methylnaphthalene	142	9.675	9.656	0.019	88	1703488	15.2	
58 Hexachlorocyclopentadiene	237	9.766	9.742	0.024	66	95162	5.79	
59 1,2,4,5-Tetrachlorobenzene	216	9.789	9.761	0.028	91	739552	17.0	
60 2,4,6-Trichlorophenol	196	9.999	9.970	0.029	94	206559	7.69	
61 2,4,5-Trichlorophenol	196	10.099	10.056	0.043	90	193506	7.45	
62 1,1'-Biphenyl	154	10.246	10.218	0.028	98	1110318	8.26	
63 2-Chloronaphthalene	162	10.265	10.265	0.0	94	699139	6.63	
64 Phenyl ether	170	10.412	10.384	0.028	90	719465	9.84	
65 2-Nitroaniline	65	10.469	10.436	0.033	80	236016	7.66	
66 1,4-Dinitrobenzene	75	10.698	10.665	0.033	82	144294	0	
67 Dimethyl phthalate	163	10.750	10.722	0.028	94	868780	7.22	
68 2,6-Dinitrotoluene	165	10.836	10.807	0.029	85	202889	3.72	
69 Acenaphthylene	152	10.883	10.850	0.033	88	1208682	7.43	
70 3-Nitroaniline	138	11.111	11.069	0.042	75	142866	5.27	
71 Acenaphthene	153	11.145	11.112	0.033	90	737088	6.51	
72 2,4-Dinitrophenol	184	11.311	11.240	0.071	73	70879	7.60	M
73 Dibenzofuran	168	11.411	11.378	0.033	97	1054293	7.63	
74 2,4-Dinitrotoluene	165	11.454	11.416	0.038	95	247968	7.12	
75 4-Nitrophenol	109	11.563	11.454	0.109	28	168482	7.24	M
76 2,3,4,6-Tetrachlorophenol	232	11.635	11.597	0.038	85	310847	14.9	
78 Diethyl phthalate	149	11.806	11.777	0.029	92	953293	7.23	
79 Fluorene	166	11.915	11.882	0.033	81	862270	6.82	
80 4-Chlorophenyl phenyl ether	204	11.929	11.901	0.028	89	401872	7.18	
81 4-Nitroaniline	138	12.025	11.982	0.043	82	149885	5.18	
82 4,6-Dinitro-2-methylphenol	198	12.053	12.010	0.043	56	100613	5.72	
83 N-Nitrosodiphenylamine	169	12.105	12.077	0.028	97	662001	4.34	
16 1,2-Diphenylhydrazine	77	12.148	12.120	0.028	95	2110096	21.4	E
85 Azobenzene	77	12.148	12.120	0.028	94	2110096	21.4	E
86 Benzophenone	105	12.167	12.144	0.023	92	980971	8.87	
87 Sulfotepp	322	12.343	12.297	0.046	77	163376	0	
88 Phorate	75	12.495	12.454	0.041	87	560766	0	
89 4-Bromophenyl phenyl ether	248	12.576	12.548	0.028	85	197553	8.03	
91 Hexachlorobenzene	284	12.638	12.610	0.028	77	200679	7.75	
90 Dimethoate	87	12.728	12.668	0.060	83	304877	0	
93 Atrazine	200	12.819	12.800	0.019	85	230022	6.58	
94 Pentachlorophenol	266	12.919	12.885	0.034	66	82098	7.02	
97 Phenanthrene	178	13.133	13.109	0.024	90	1116900	7.64	
96 Disulfoton	88	13.133	13.120	0.013	70	499421	0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
98 Anthracene	178	13.194	13.171	0.023	95	1143914	7.68	
99 Carbazole	167	13.404	13.380	0.024	99	913189	6.61	
100 Methyl parathion	109	13.561	13.543	0.018	87	268203	0	
102 Di-n-butyl phthalate	149	13.784	13.765	0.019	96	1320392	8.25	
103 Ethyl Parathion	97	13.970	14.003	-0.033	75	176812	0	
104 Fluoranthene	202	14.412	14.388	0.024	96	913212	6.31	
106 Pyrene	202	14.631	14.607	0.024	98	898125	6.63	
107 Famphur	218	15.182	15.168	0.014	81	367498	0	
108 Butyl benzyl phthalate	149	15.225	15.211	0.014	92	505715	6.75	
109 3,3'-Dichlorobenzidine	252	15.720	15.705	0.015	70	308421	6.79	
110 Bis(2-ethylhexyl) phthalate	149	15.724	15.710	0.014	95	720192	6.98	
111 Benzo[a]anthracene	228	15.739	15.720	0.019	95	911150	8.37	
112 Chrysene	228	15.772	15.753	0.019	91	881003	7.13	
113 Di-n-octyl phthalate	149	16.257	16.248	0.009	97	1401746	8.62	
114 Benzo[b]fluoranthene	252	16.671	16.657	0.014	92	996820	7.49	
115 Benzo[k]fluoranthene	252	16.695	16.680	0.014	98	1231998	8.98	
116 Benzo[a]pyrene	252	16.980	16.961	0.019	71	913698	7.10	
118 Dibenz(a,h)anthracene	278	18.126	18.107	0.019	65	591534	5.08	
117 Indeno[1,2,3-cd]pyrene	276	18.121	18.107	0.014	96	656625	4.78	
119 Benzo[g,h,i]perylene	276	18.435	18.421	0.014	91	552793	4.82	M
S 121 3-Methylphenol	1		0.000					

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount

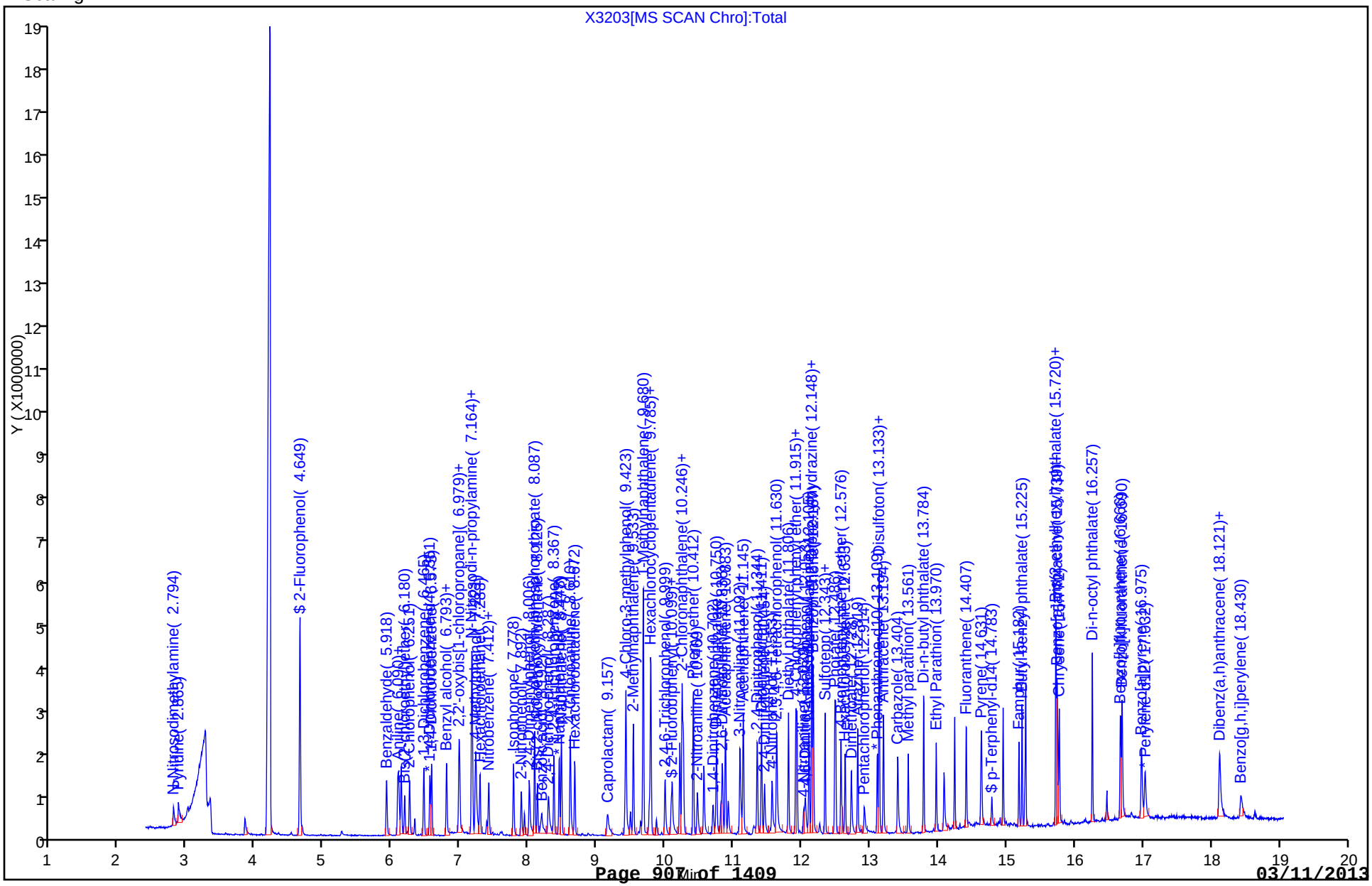
Review Flags
M - Manually Integrated

Report Date: 09-Mar-2013 09:29:37 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3203.D		
Injection Date:	20-Dec-2012 15:42:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	13
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:



Manual Integration/User Assign Peak Report

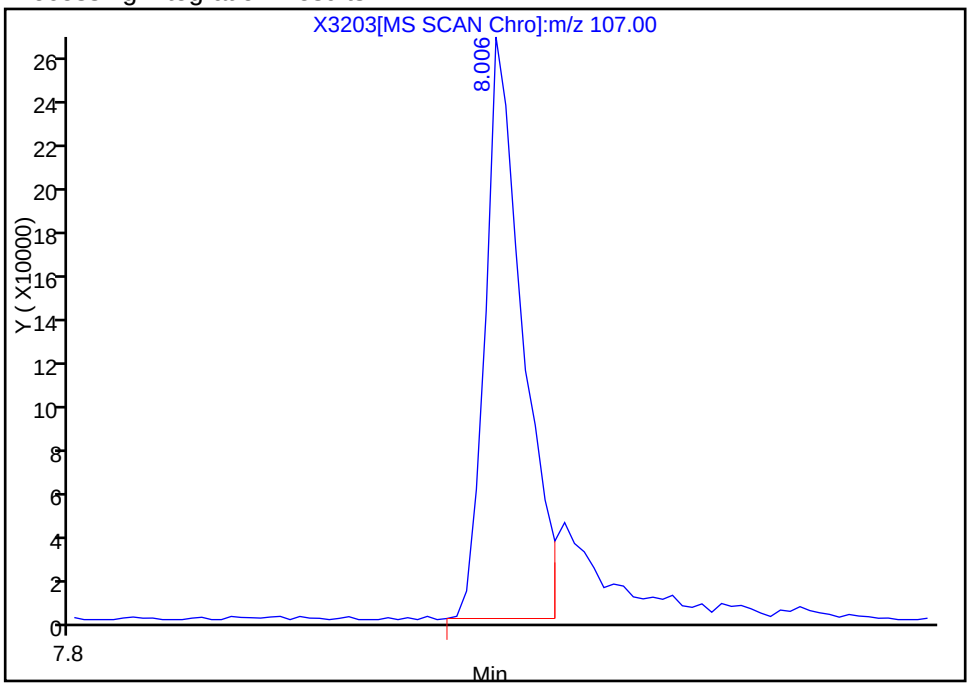
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3203.D		
Injection Date:	20-Dec-2012 15:42:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	13
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

43 2,4-Dimethylphenol, Signal: 1, m/z: 107.0 Type: quant, RT: 8.00

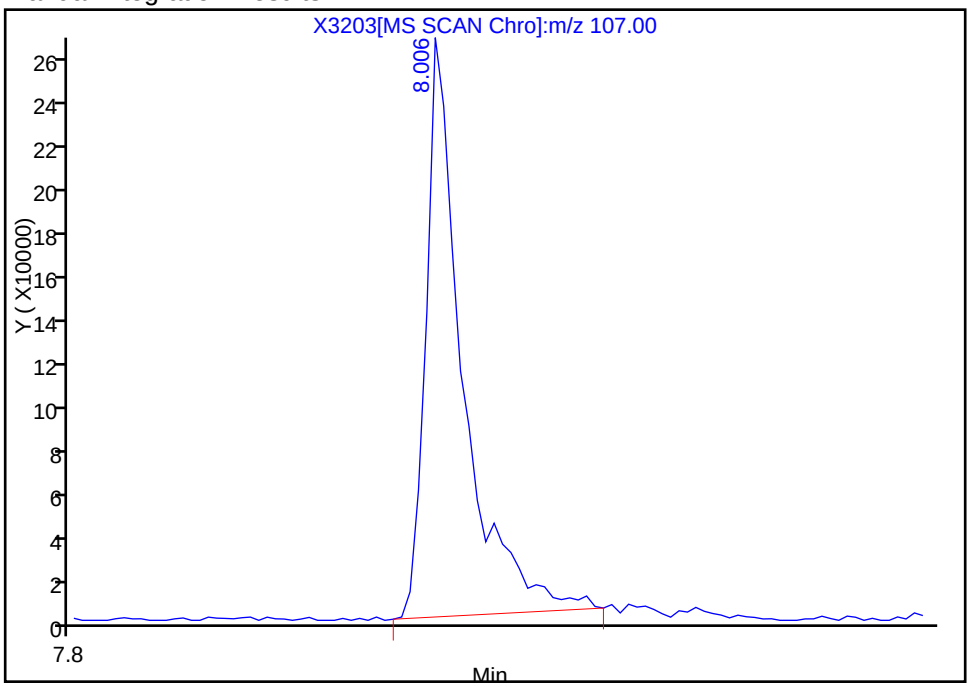
Processing Integration Results

RT: 8.01
Response: 332311
Amount: 6.959454



Manual Integration Results

RT: 8.01
Response: 380088
Amount: 7.261271



Reviewer: mckernar, 20-Dec-2012 16:25:25
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

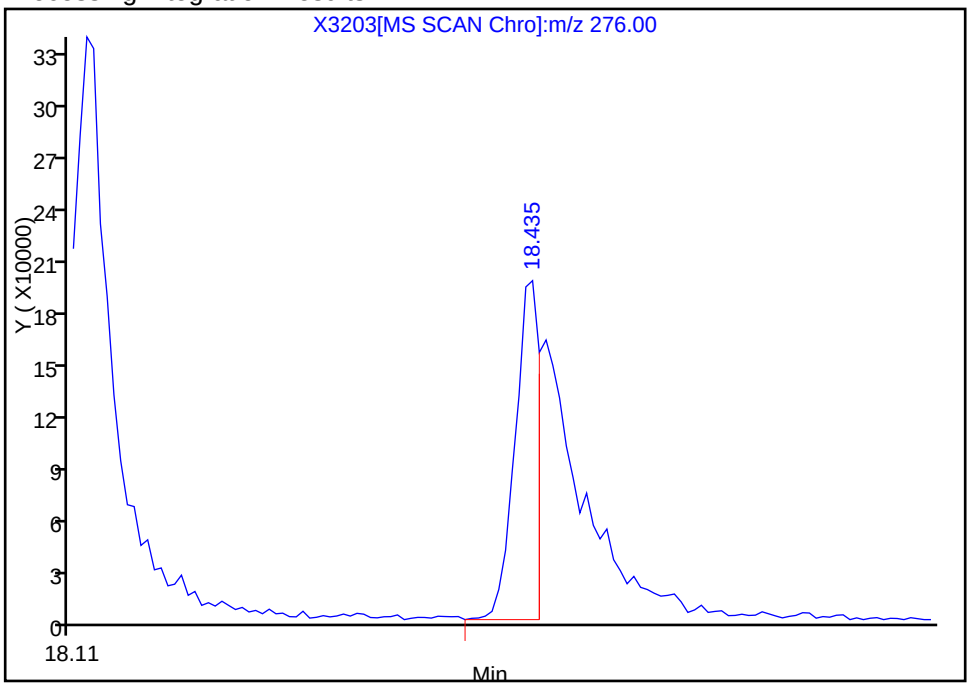
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3203.D		
Injection Date:	20-Dec-2012 15:42:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	13
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

119 Benzo[g,h,i]perylene, Signal: 1, m/z: 276.0 Type: quant, RT: 18.42

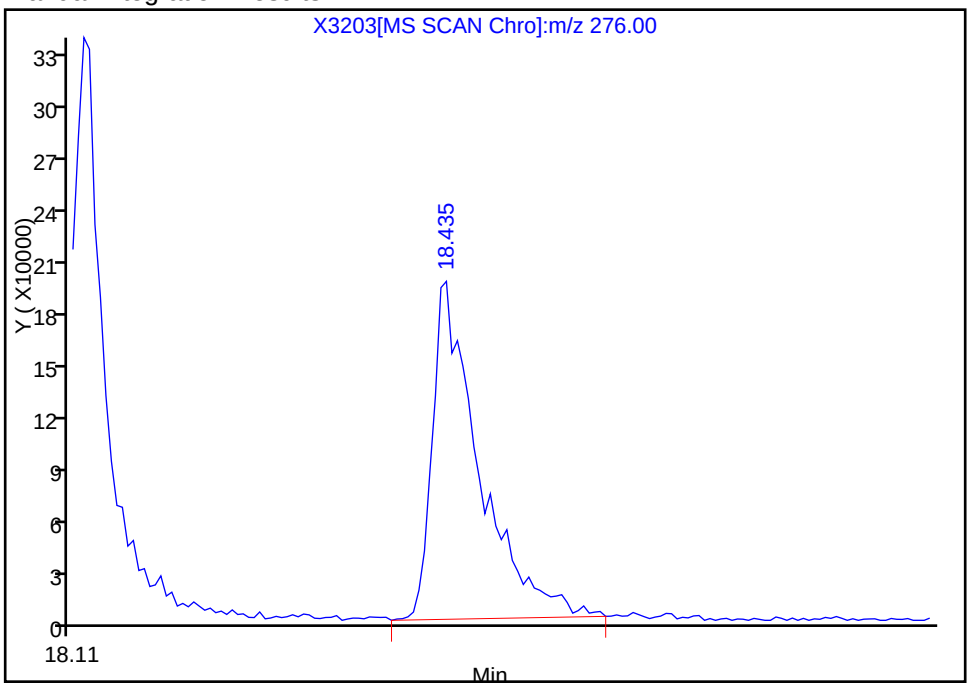
Processing Integration Results

RT: 18.44
Response: 235778
Amount: 1.965405



Manual Integration Results

RT: 18.44
Response: 552793
Amount: 4.823779



Reviewer: mckernar, 20-Dec-2012 16:25:25
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

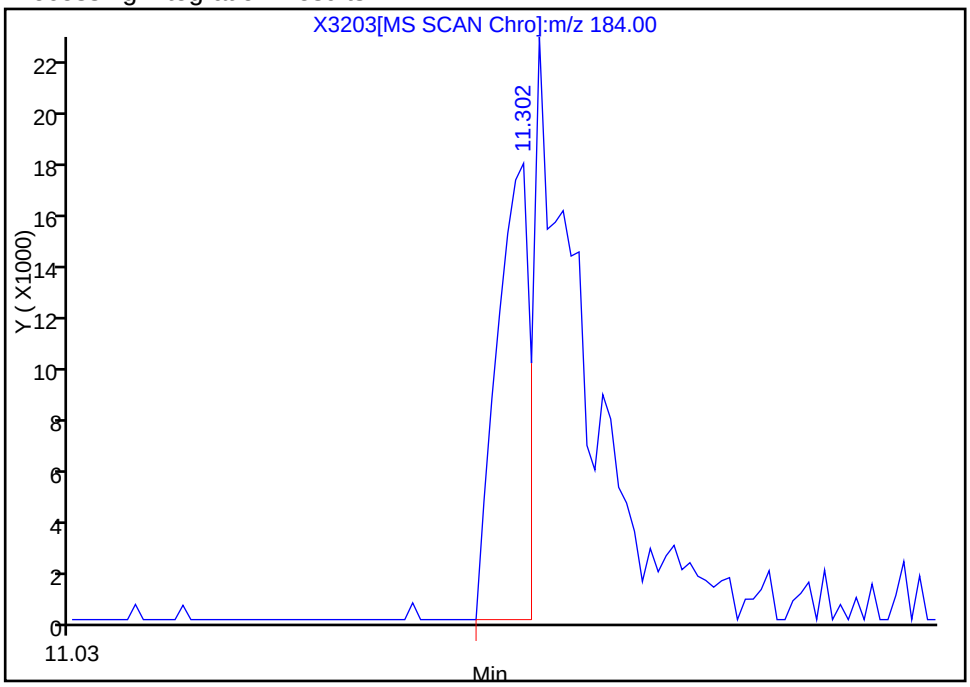
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3203.D		
Injection Date:	20-Dec-2012 15:42:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	13
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

72 2,4-Dinitrophenol, Signal: 1, m/z: 184.0 Type: quant, RT: 11.24

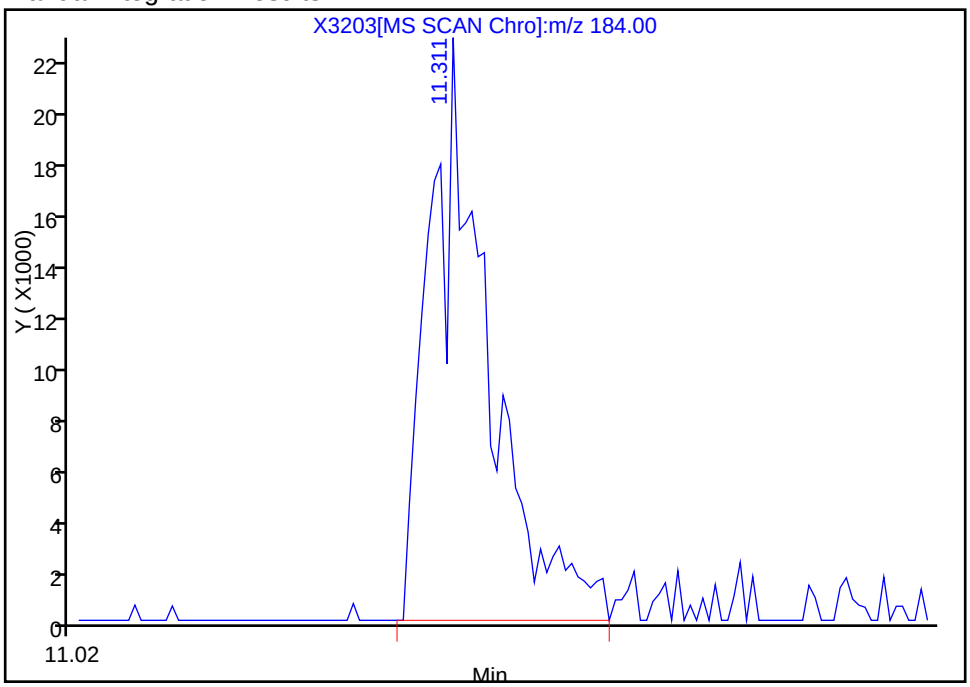
Processing Integration Results

RT: 11.30
Response: 24274
Amount: 1.954909



Manual Integration Results

RT: 11.31
Response: 70879
Amount: 7.595182



Reviewer: mckernar, 20-Dec-2012 16:25:25
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

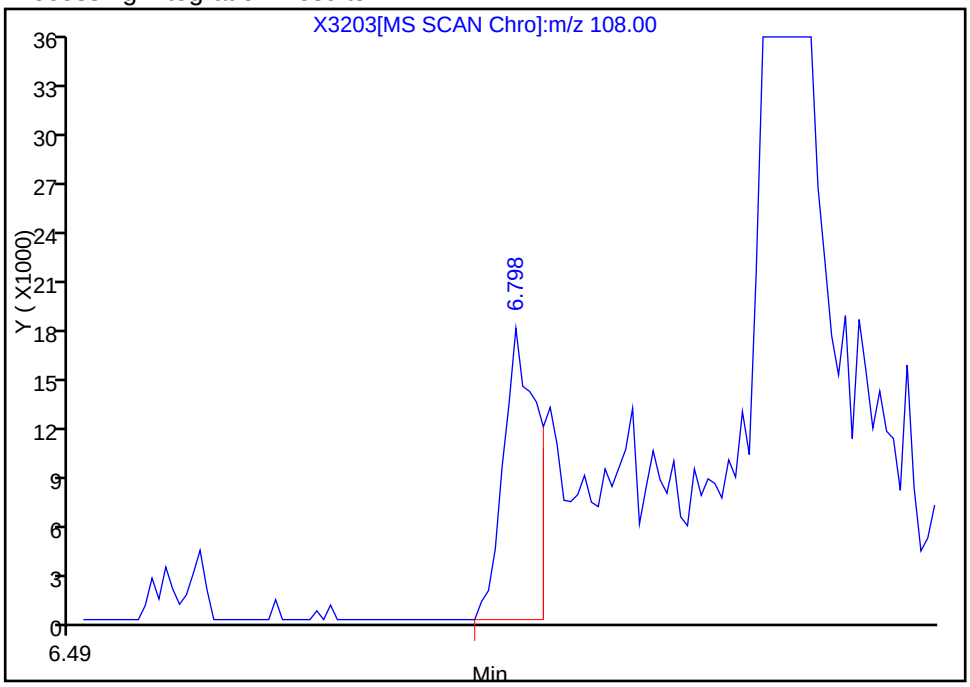
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3203.D		
Injection Date:	20-Dec-2012 15:42:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	13
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

28 Benzyl alcohol, Signal: 1, m/z: 108.0 Type: quant, RT: 6.81

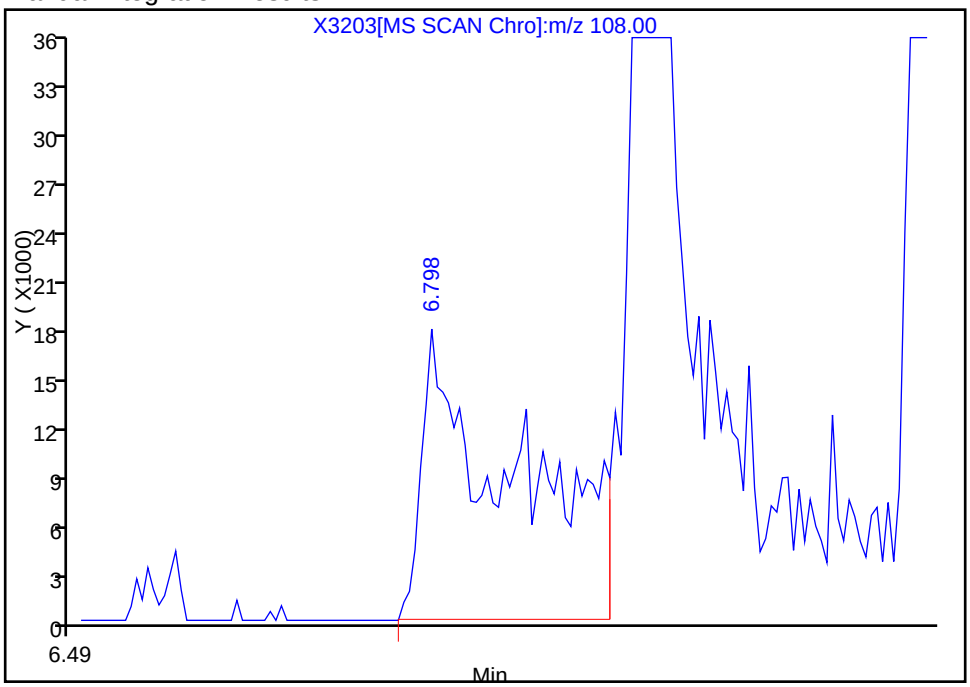
Processing Integration Results

RT: 6.80
Response: 28383
Amount: 1.724688



Manual Integration Results

RT: 6.80
Response: 95451
Amount: 5.309587



Reviewer: mckernar, 20-Dec-2012 16:25:25
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

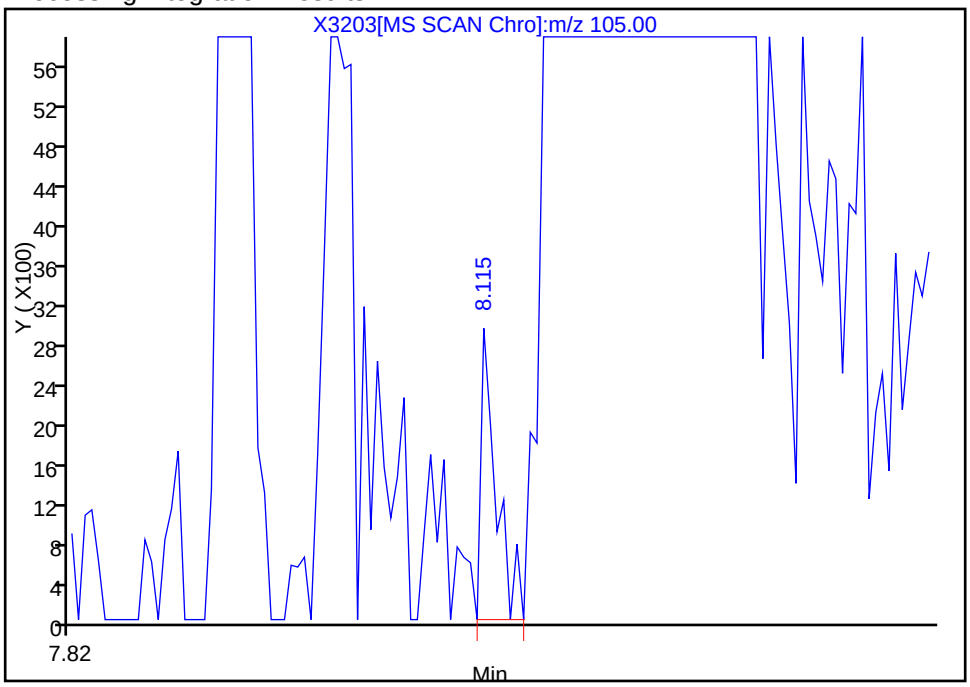
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3203.D		
Injection Date:	20-Dec-2012 15:42:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	13
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

44 Benzoic acid, Signal: 1, m/z: 105.0 Type: quant, RT: 8.18

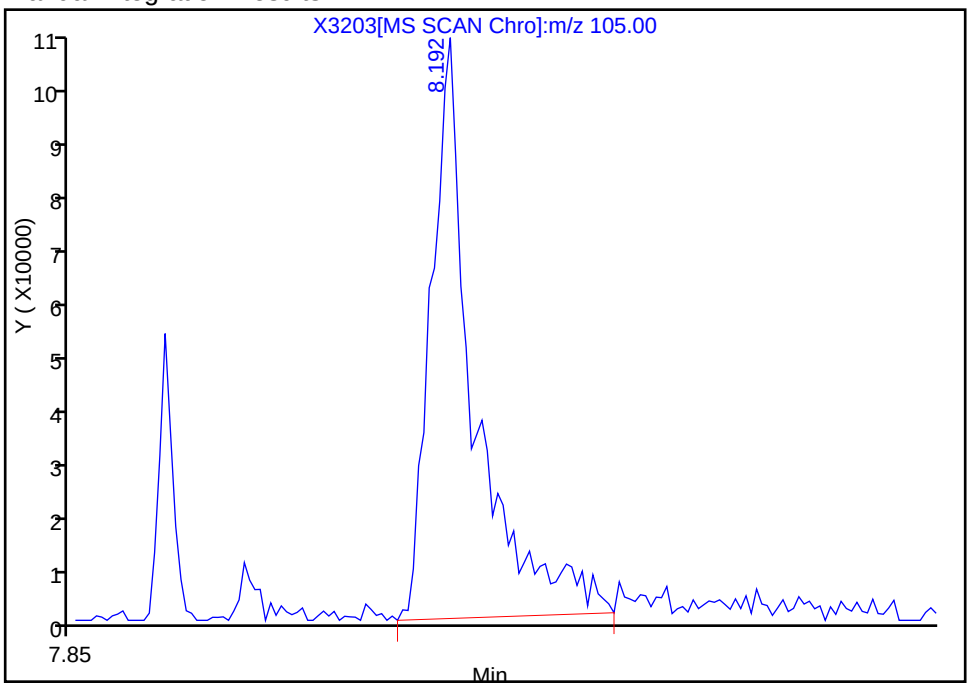
Processing Integration Results

RT: 8.12
Response: 2224
Amount: 0.063622



Manual Integration Results

RT: 8.19
Response: 288225
Amount: 10.171876



Reviewer: mckernar, 20-Dec-2012 16:25:25
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 09-Mar-2013 09:29:37 Chrom Revision: 2.0 01-Feb-2013 10:03:10

Manual Integration/User Assign Peak Report

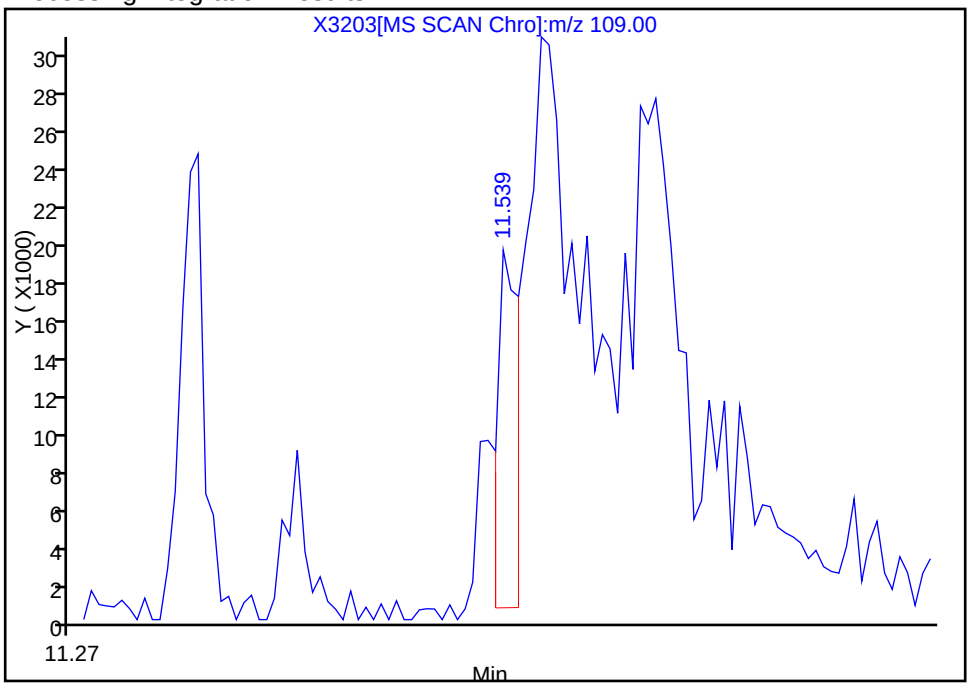
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3203.D		
Injection Date:	20-Dec-2012 15:42:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	13
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

75 4-Nitrophenol, Signal: 1, m/z: 109.0 Type: quant, RT: 11.45

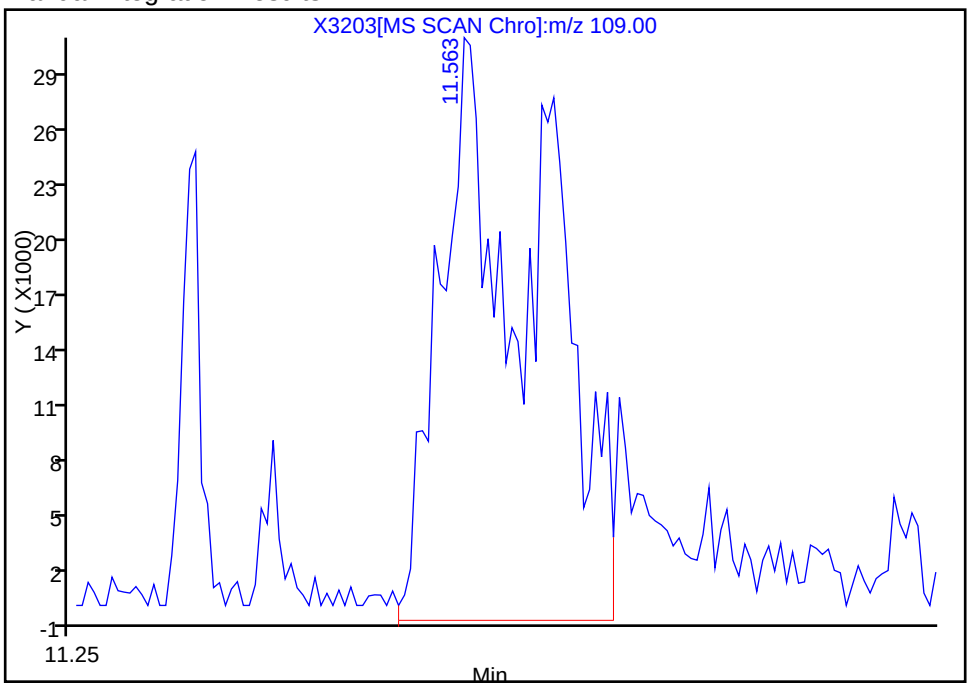
Processing Integration Results

RT: 11.54
Response: 16882
Amount: 0.883909



Manual Integration Results

RT: 11.56
Response: 168482
Amount: 7.238298



Reviewer: mckernar, 20-Dec-2012 16:25:25
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

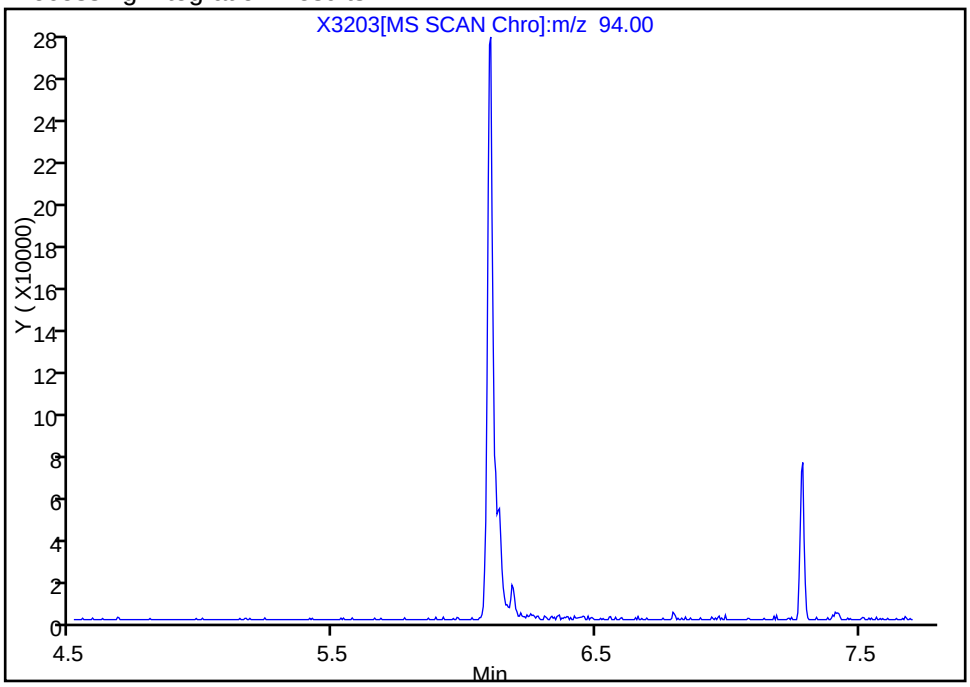
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3203.D		
Injection Date:	20-Dec-2012 15:42:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	13
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

22 Phenol, Signal: 1, m/z: 94.0 Type: quant, RT: 6.11

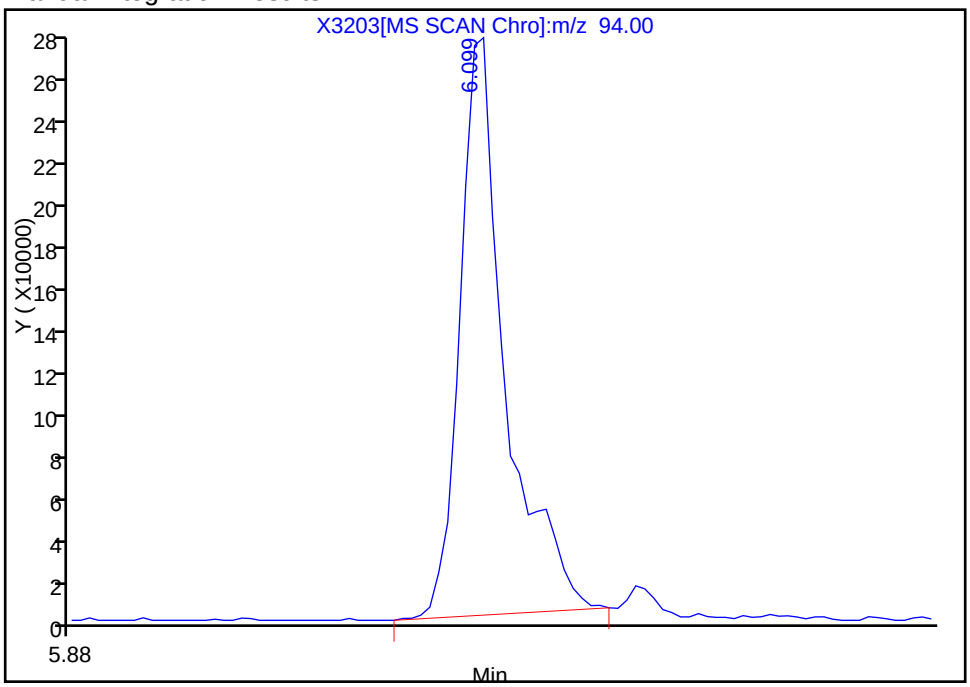
Processing Integration Results

Not Detected
Expected RT: 6.11



Manual Integration Results

RT: 6.10
Response: 447892
Amount: 7.057448



Reviewer: mckernar, 20-Dec-2012 16:25:25
Audit Action: Manually Integrated
Audit Reason: Assign Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo
Job No.: 480-30106-1
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
621-64-7	N-Nitrosodi-n-propylamine	48.2		33	9.9
7005-72-3	4-Chlorophenyl phenyl ether	54.6		33	9.9
105-67-9	2,4-Dimethylphenol	65.6		33	9.9
59-50-7	4-Chloro-3-methylphenol	61.1	J	66	9.9
78-59-1	Isophorone	59.3		33	9.9
50-32-8	Benzo[a]pyrene	56.2		33	9.9
86-73-7	Fluorene	55.0		33	9.9
106-44-5	4-Methylphenol	72.8		33	9.9
100-01-6	4-Nitroaniline	57.4	J	170	28
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
88-74-4	2-Nitroaniline	55.7	J	170	42
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
534-52-1	4,6-Dinitro-2-methylphenol	59.1	J	170	32
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
86-30-6	N-Nitrosodiphenylamine	25.6	J	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

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo
Job No.: 480-30106-1
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
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
103-33-3	Azobenzene	66.0		33	9.9
91-20-3	Naphthalene	54.4		33	9.9
88-06-2	2,4,6-Trichlorophenol	54.9		33	14
77-47-4	Hexachlorocyclopentadiene	44.6	J	66	9.9
99-09-2	3-Nitroaniline	39.1	J	170	9.9
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
62-75-9	N-Nitrosodimethylamine	44.1		33	9.9
101-55-3	4-Bromophenyl phenyl ether	61.2		33	9.9
100-51-6	Benzyl alcohol	ND		66	9.9
84-66-2	Diethyl phthalate	54.6		33	11
65-85-0	Benzoic acid	76.1	J	170	15
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

FORM I

GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30106-1

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

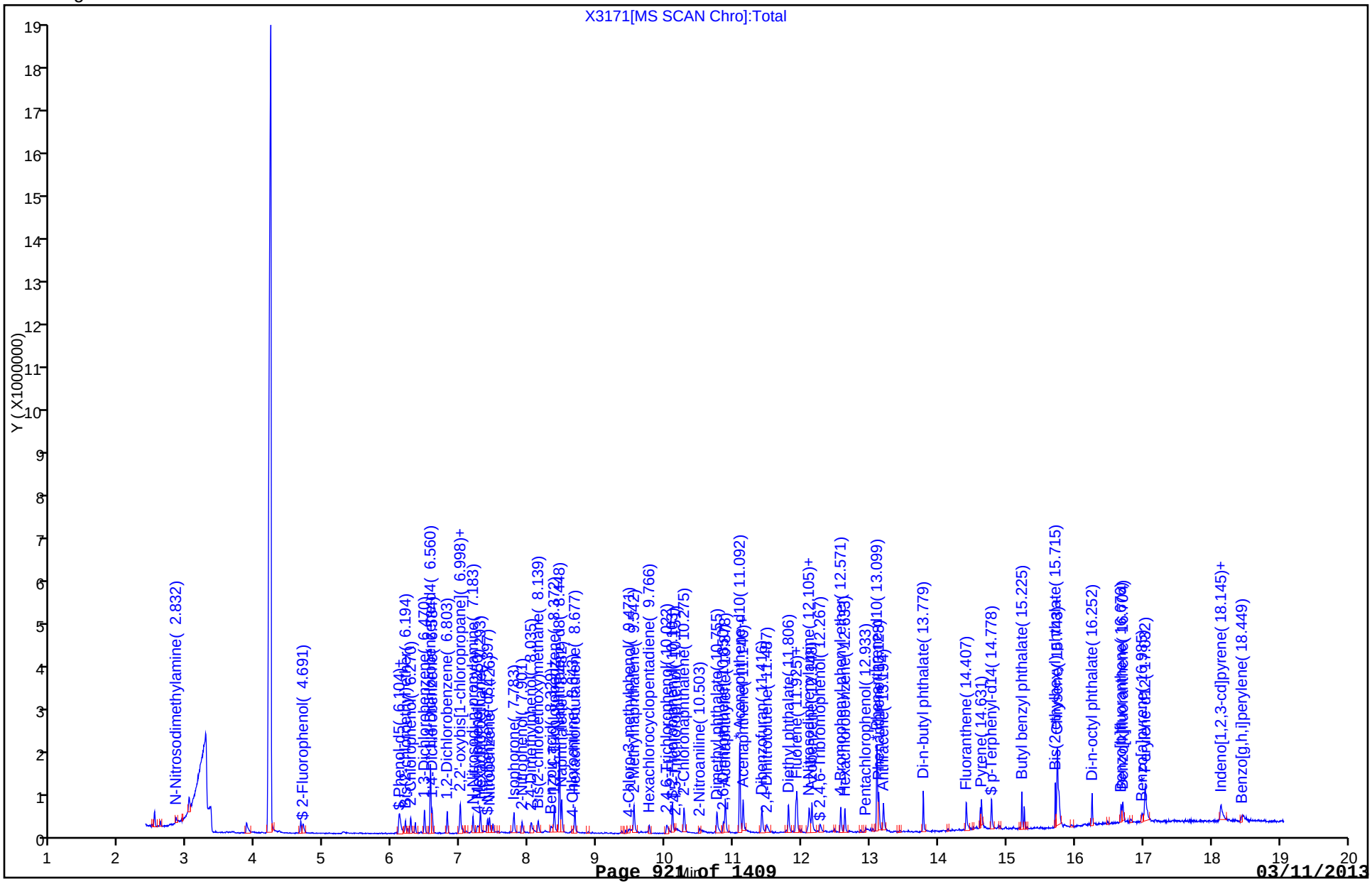
Review Flags
M - Manually Integrated

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:



Manual Integration/User Assign Peak Report

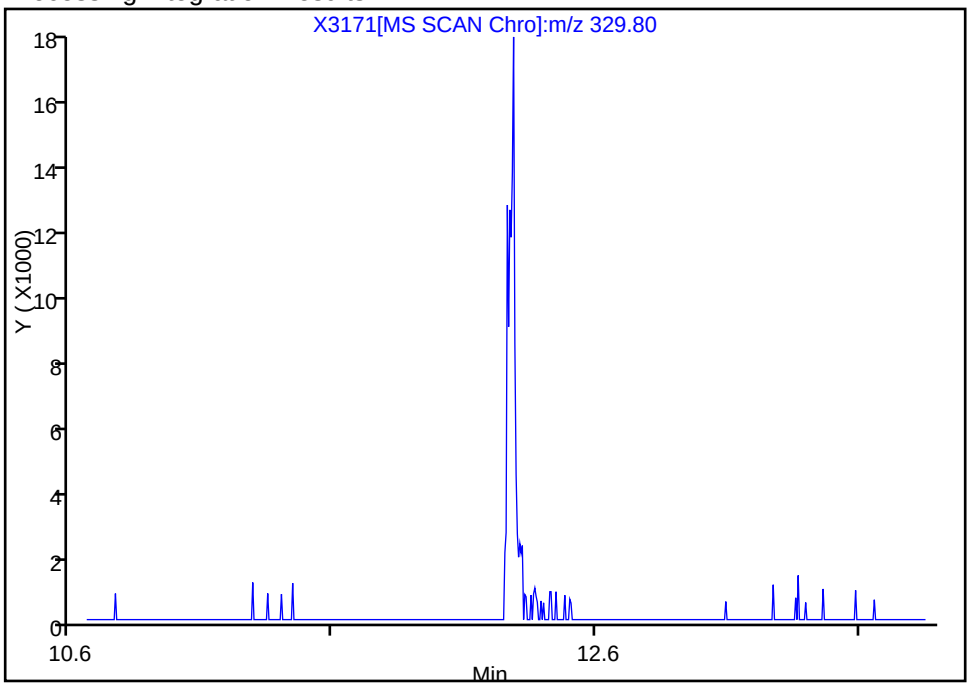
TestAmerica Buffalo

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

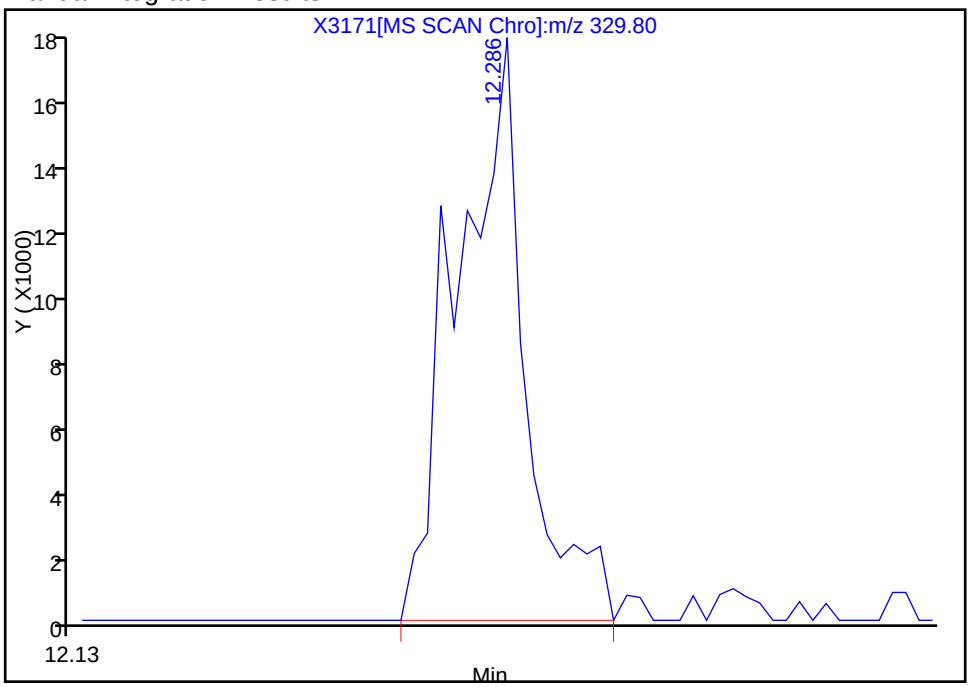
Processing Integration Results

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

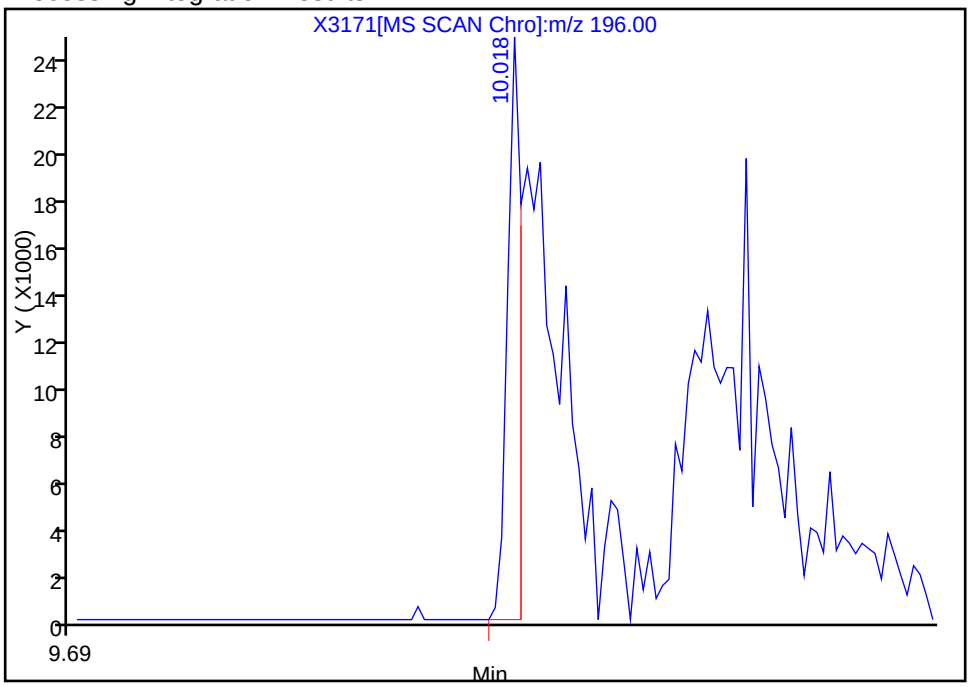
TestAmerica Buffalo

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

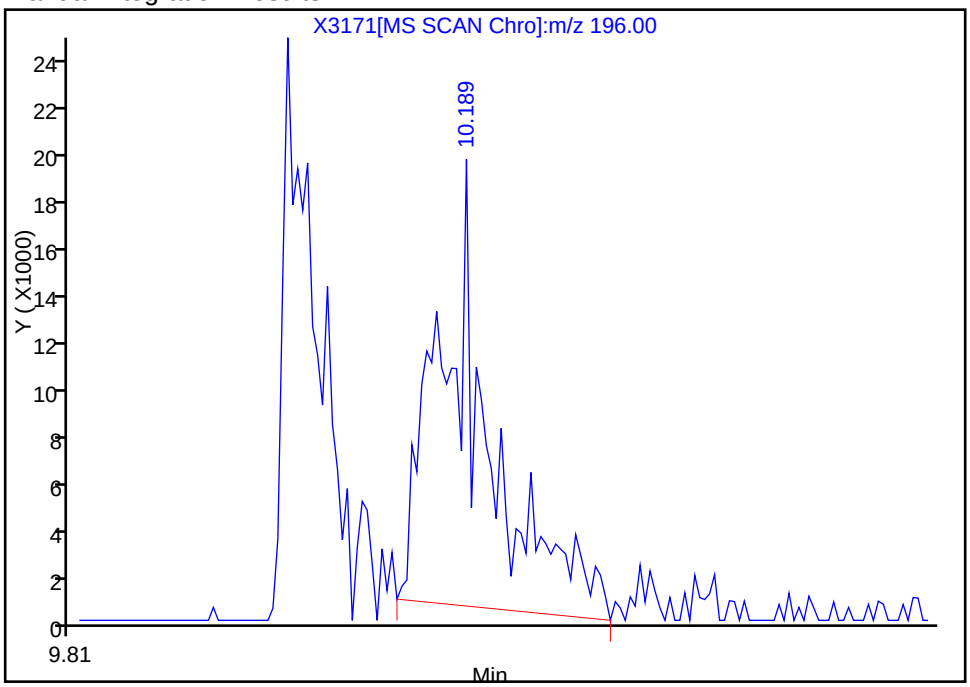
Processing Integration Results

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

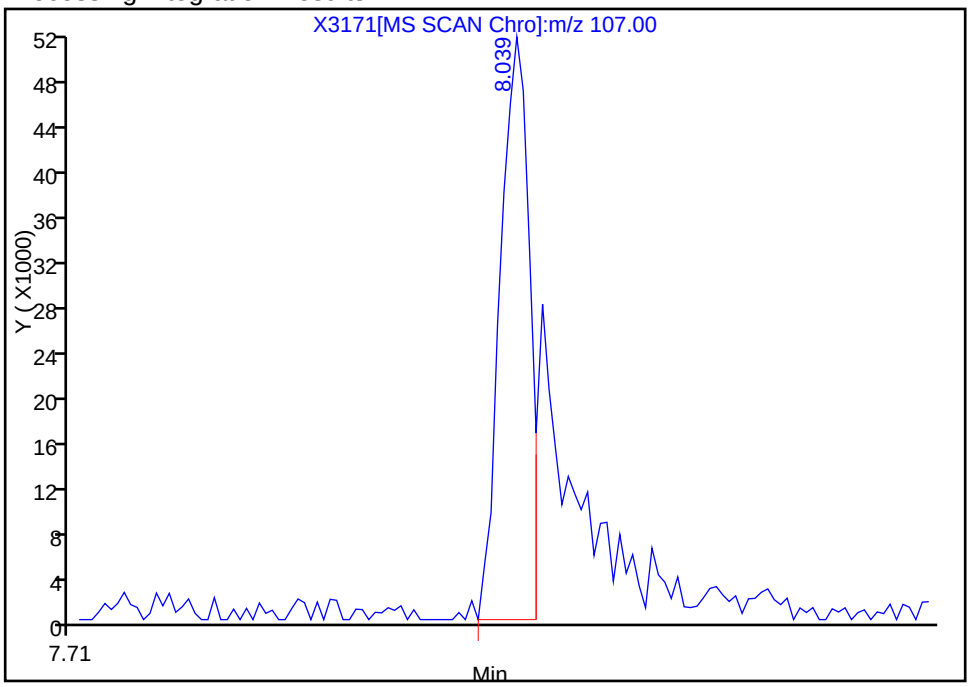
TestAmerica Buffalo

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

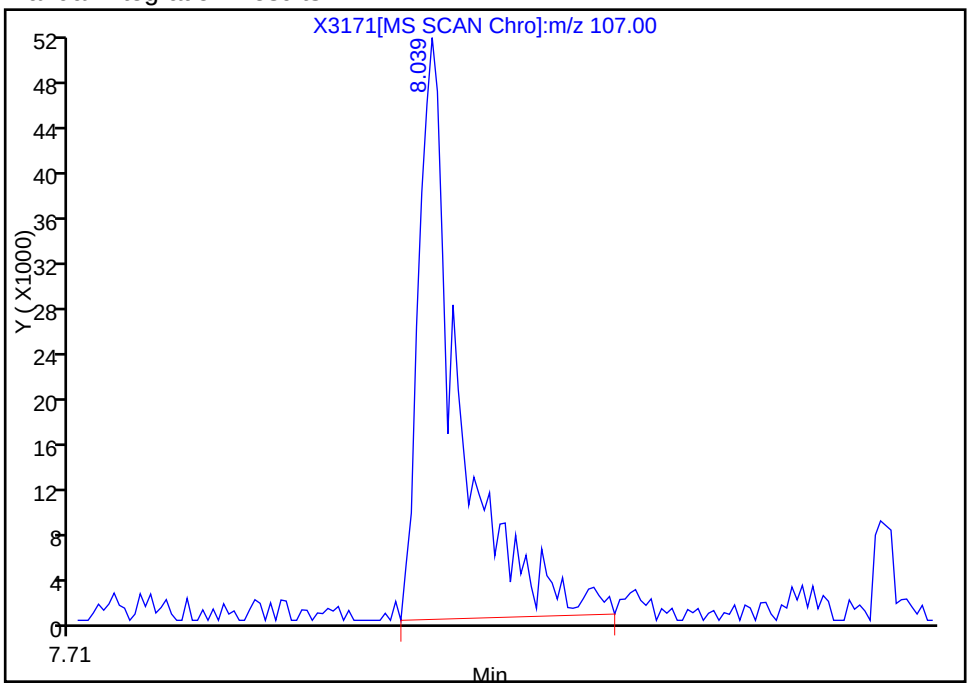
Processing Integration Results

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

Report Date: 09-Mar-2013 09:48:28 Chrom Revision: 2.0 01-Feb-2013 10:03:10

Manual Integration/User Assign Peak Report

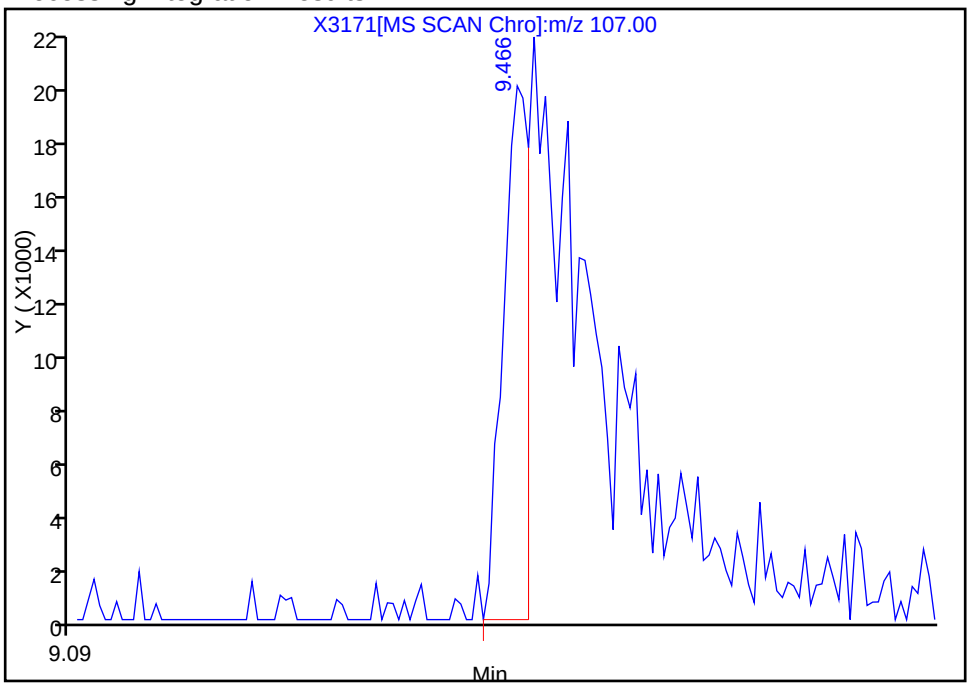
TestAmerica Buffalo

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

55 4-Chloro-3-methylphenol, Signal: 1, m/z: 107.0 Type: quant, RT: 9.44

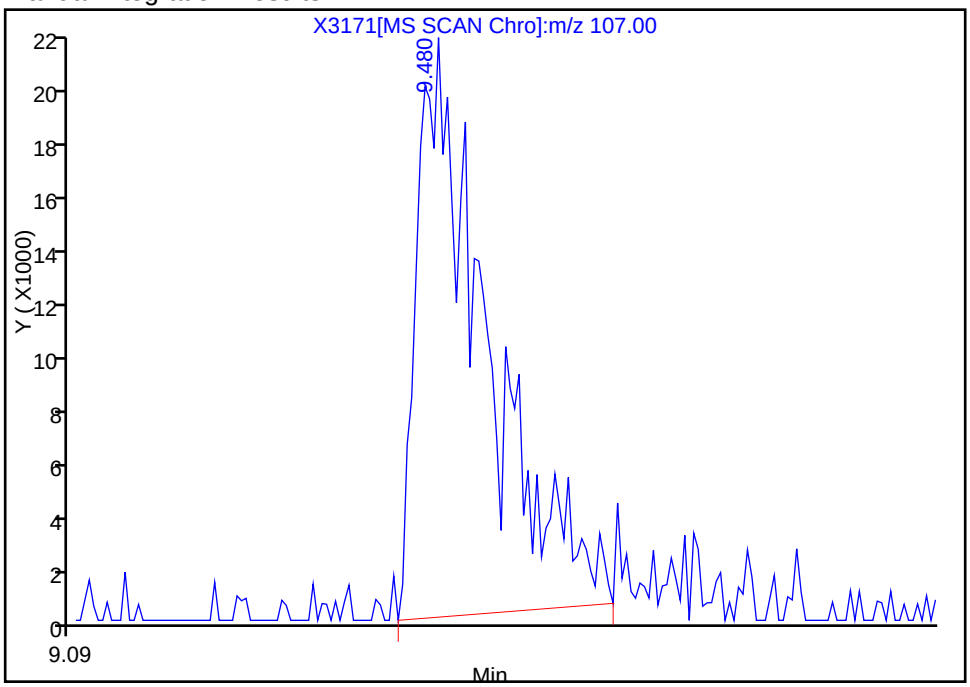
Processing Integration Results

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
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

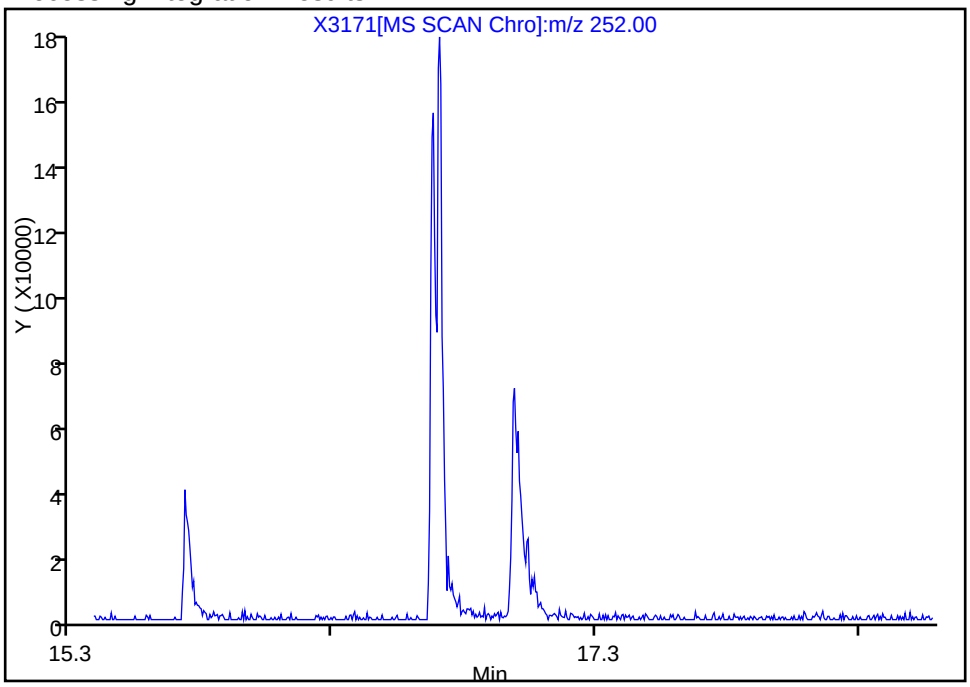
TestAmerica Buffalo

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

116 Benzo[a]pyrene, Signal: 1, m/z: 252.0 Type: quant, RT: 16.98

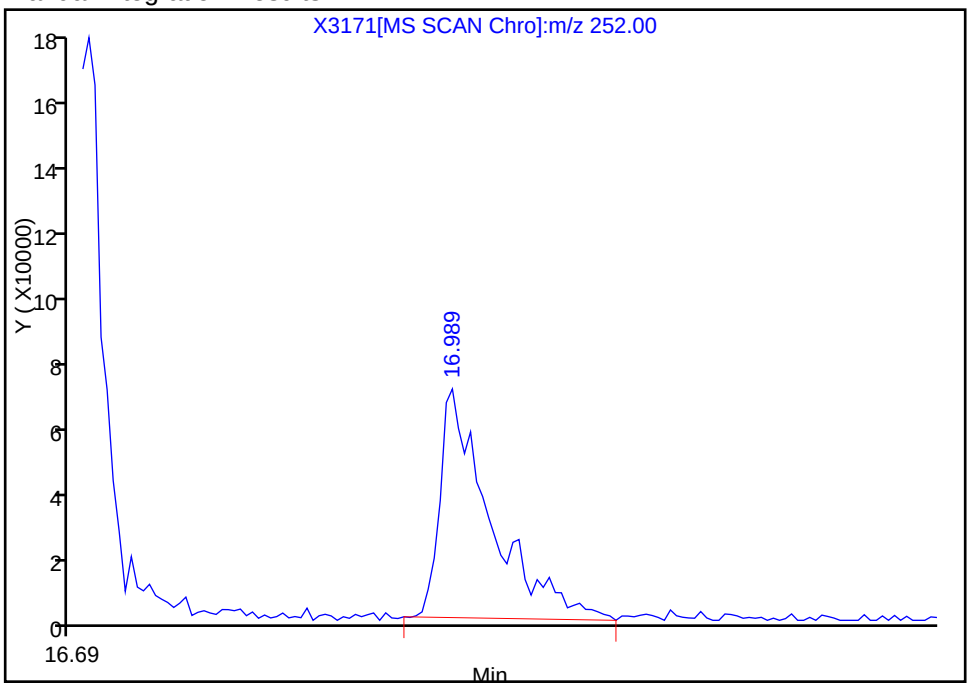
Processing Integration Results

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

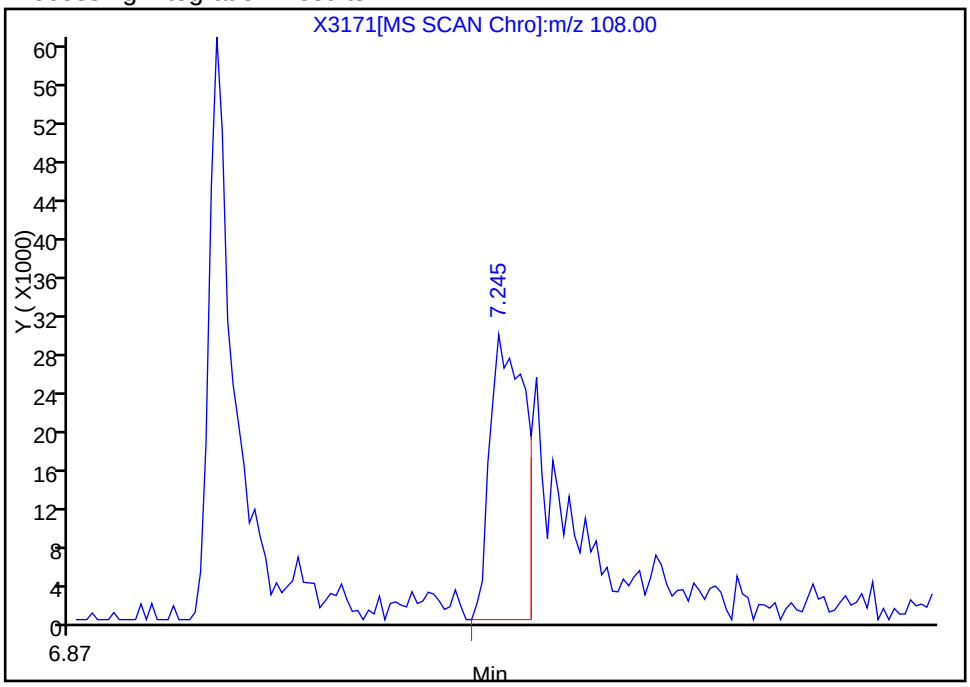
TestAmerica Buffalo

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

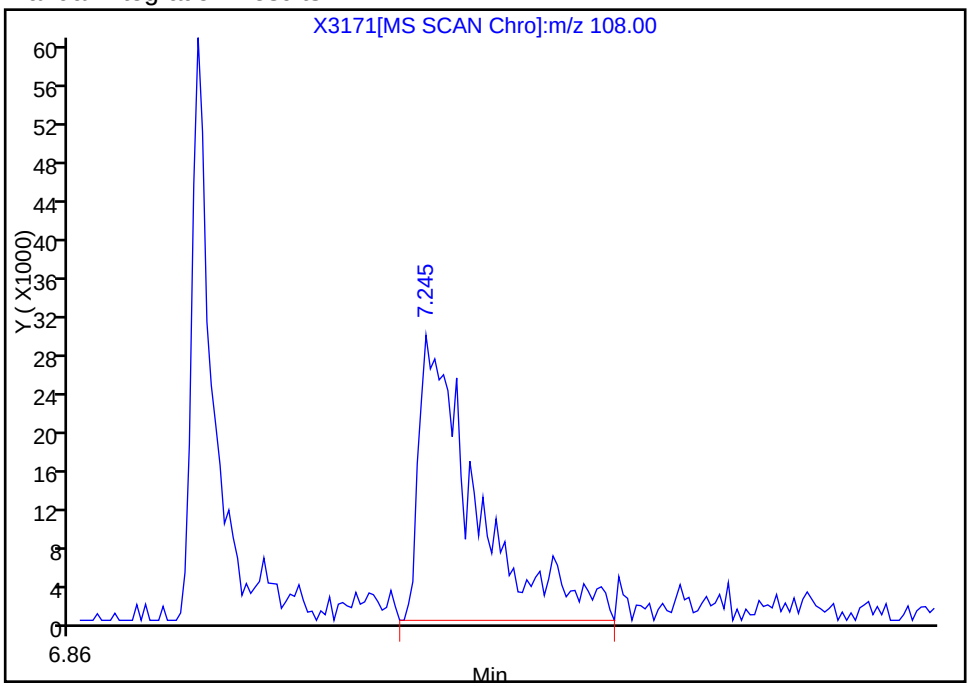
Processing Integration Results

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

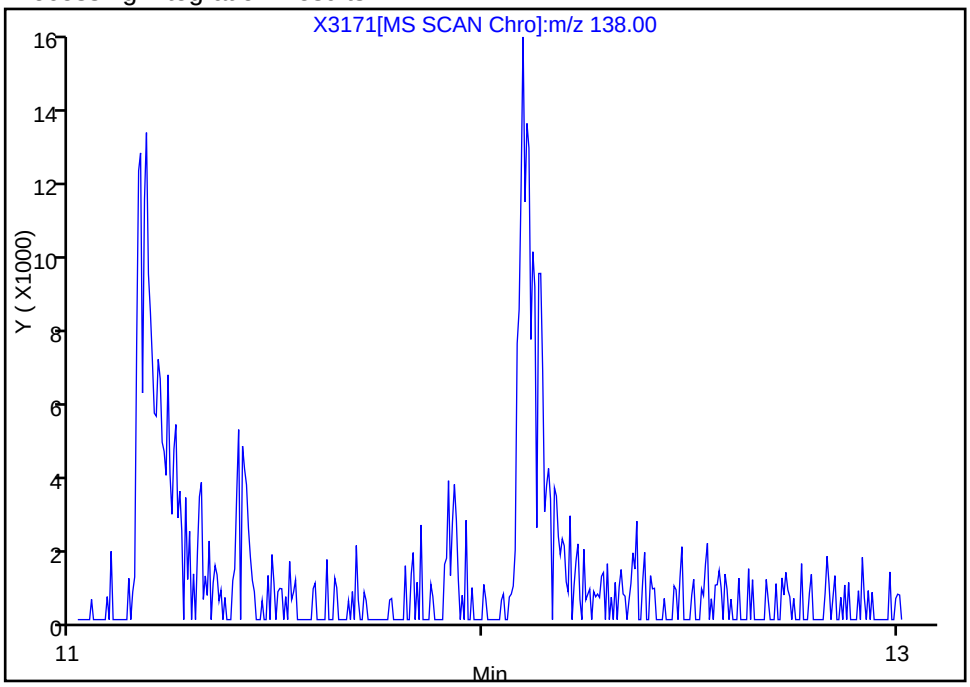
TestAmerica Buffalo

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

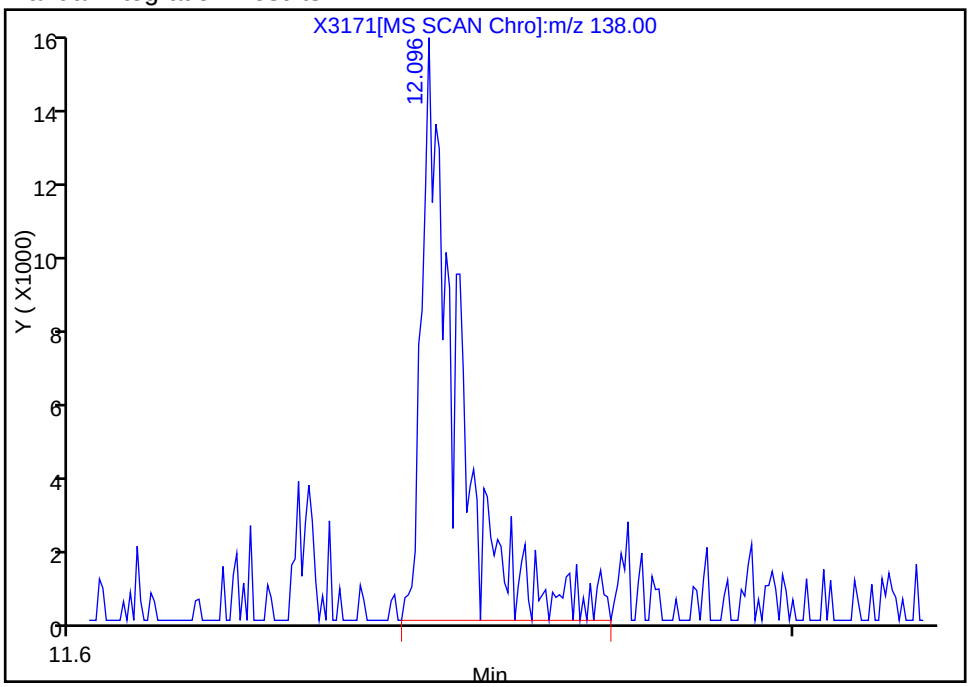
Processing Integration Results

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

Report Date: 09-Mar-2013 09:48:28 Chrom Revision: 2.0 01-Feb-2013 10:03:10

Manual Integration/User Assign Peak Report

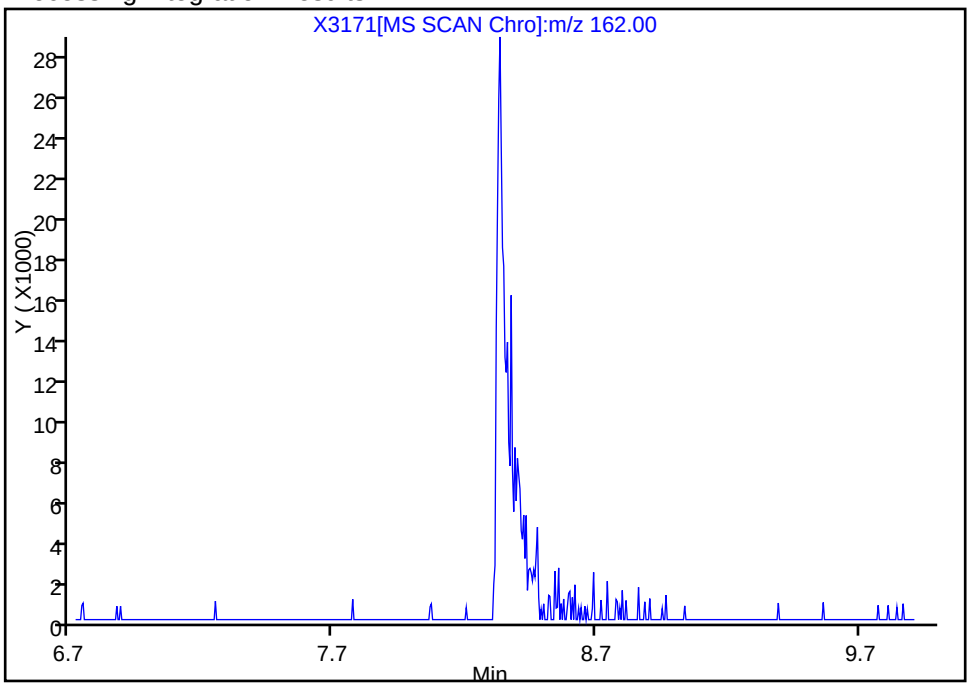
TestAmerica Buffalo

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

47 2,4-Dichlorophenol, Signal: 1, m/z: 162.0 Type: quant, RT: 8.32

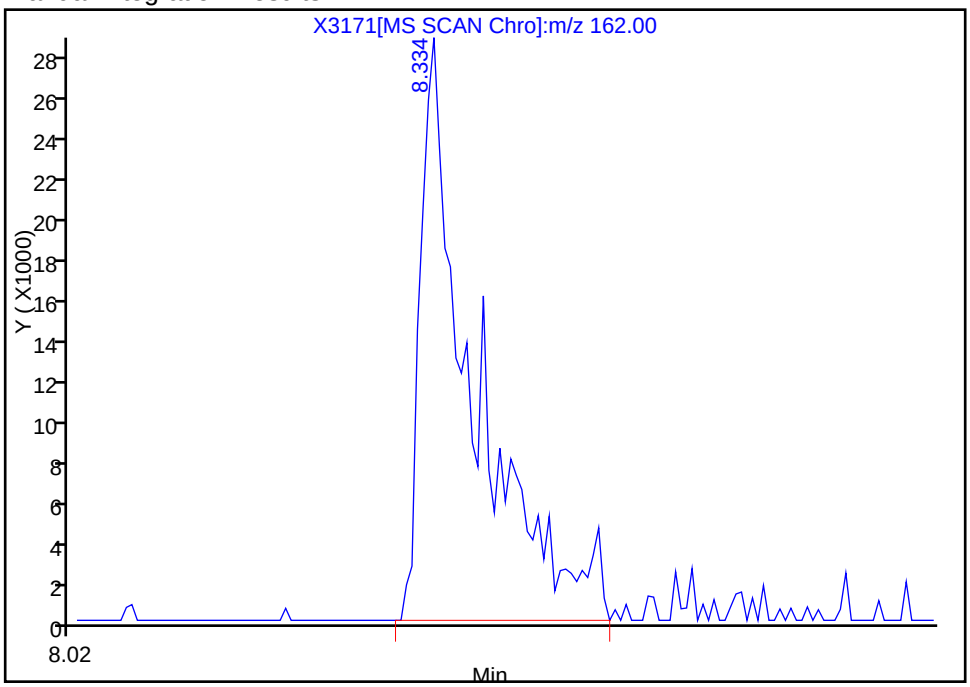
Processing Integration Results

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

Manual Integration/User Assign Peak Report

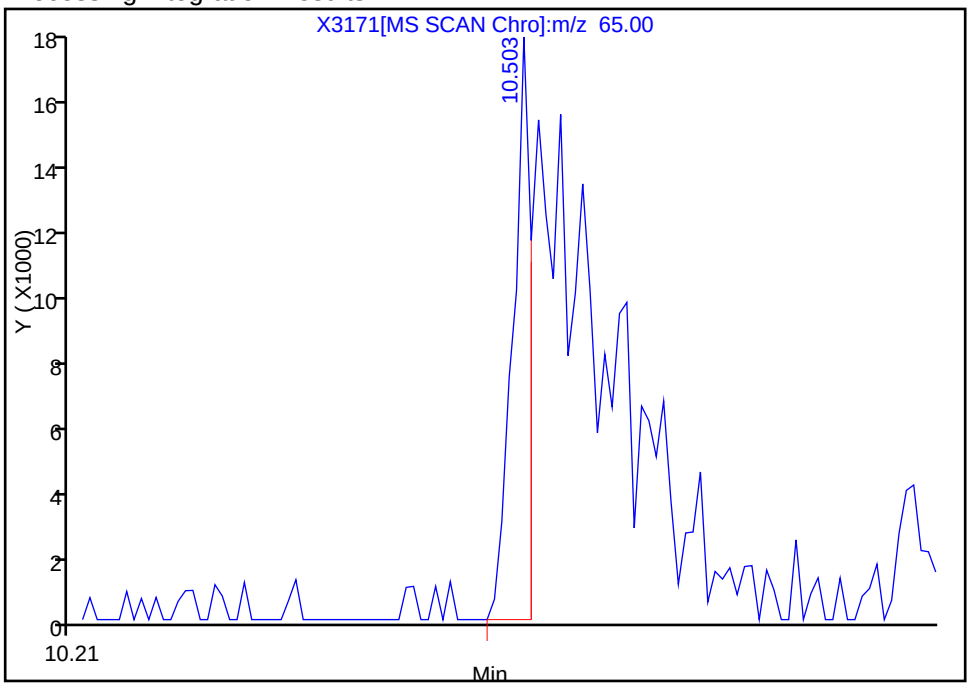
TestAmerica Buffalo

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

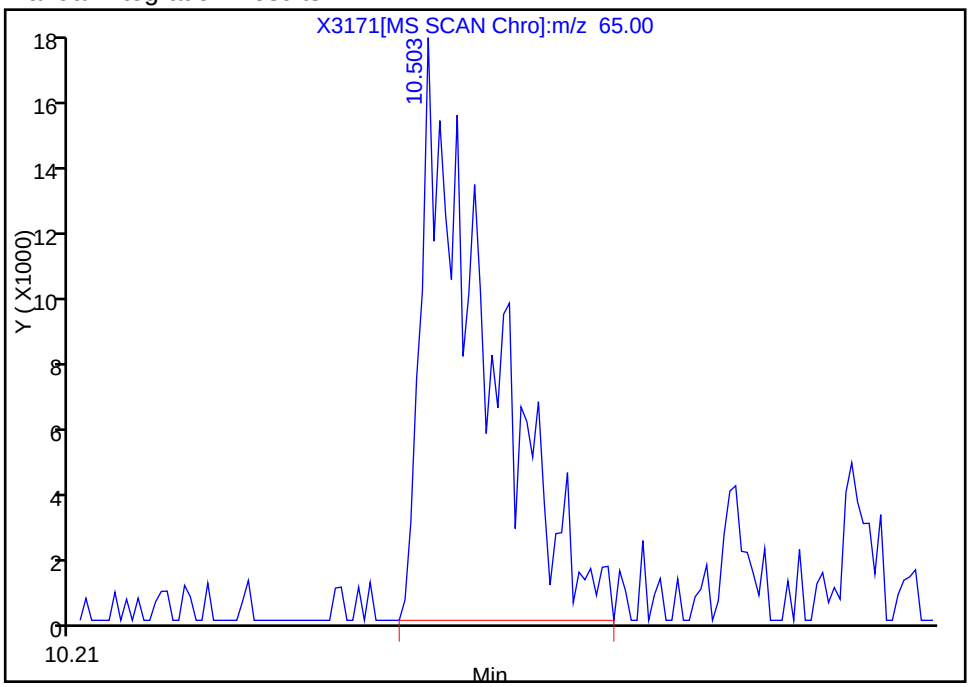
Processing Integration Results

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

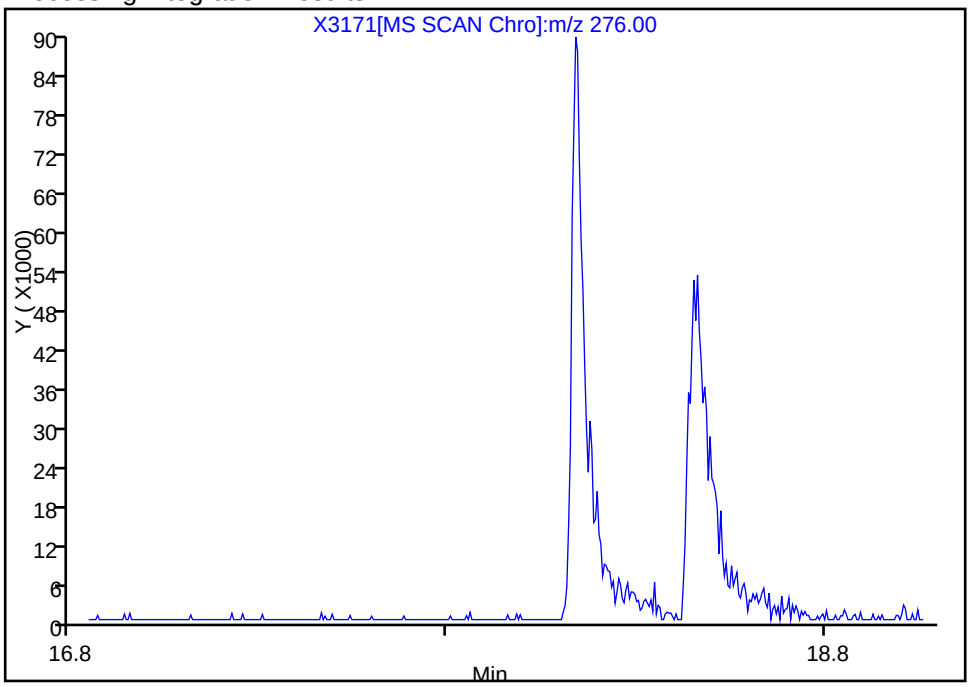
TestAmerica Buffalo

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

119 Benzo[g,h,i]perylene, Signal: 1, m/z: 276.0 Type: quant, RT: 18.44

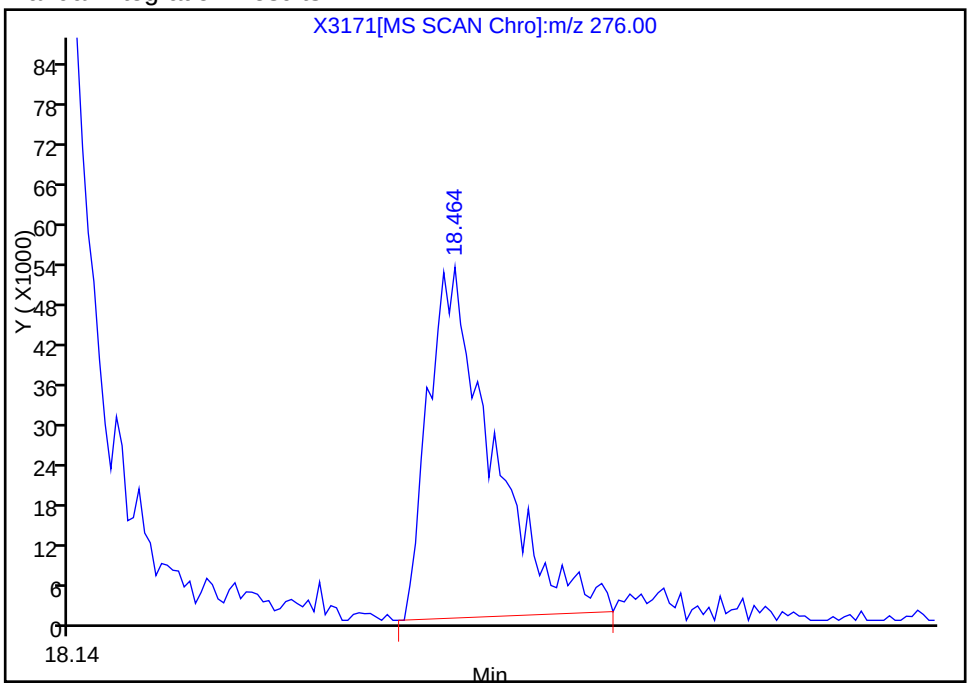
Processing Integration Results

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		
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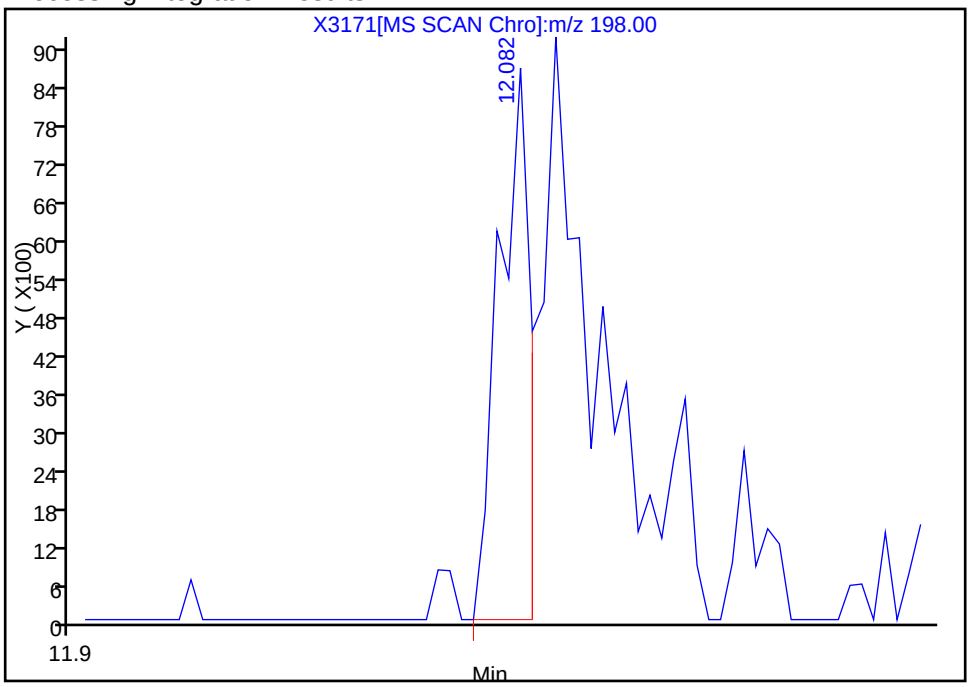
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	18
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

82 4,6-Dinitro-2-methylphenol, Signal: 1, m/z: 198.0 Type: quant, RT: 12.04

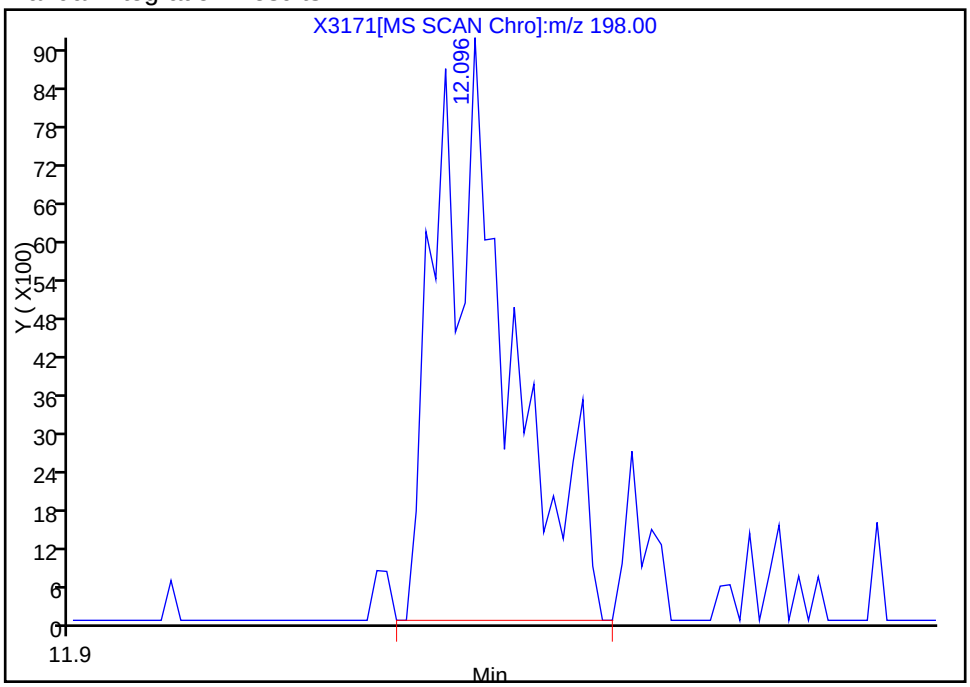
Processing Integration Results

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

Report Date: 09-Mar-2013 09:48:28 Chrom Revision: 2.0 01-Feb-2013 10:03:10

Manual Integration/User Assign Peak Report

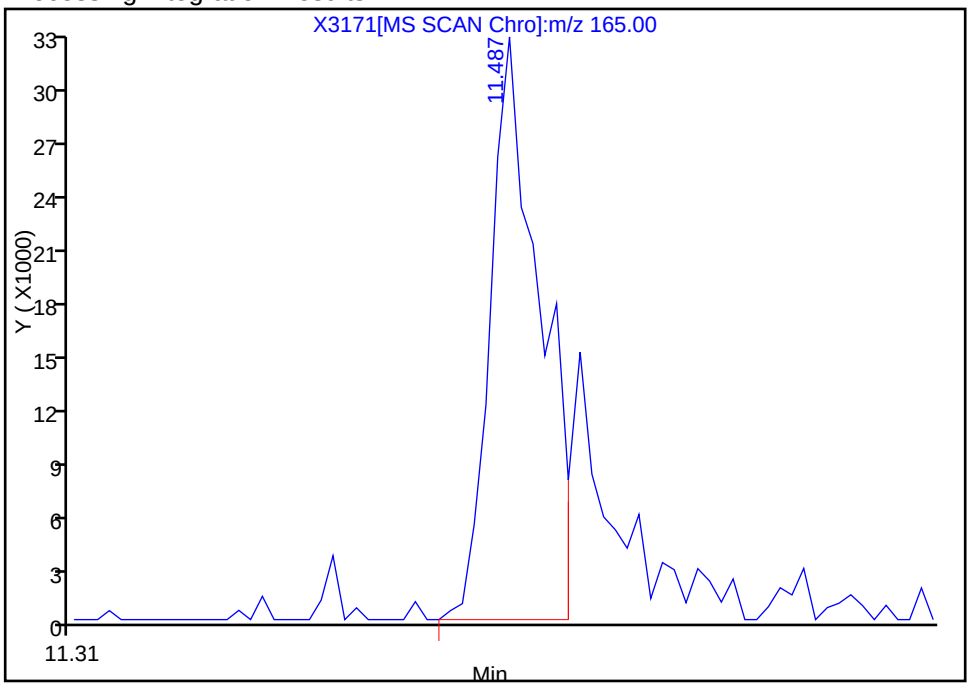
TestAmerica Buffalo

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

74 2,4-Dinitrotoluene, Signal: 1, m/z: 165.0 Type: quant, RT: 11.46

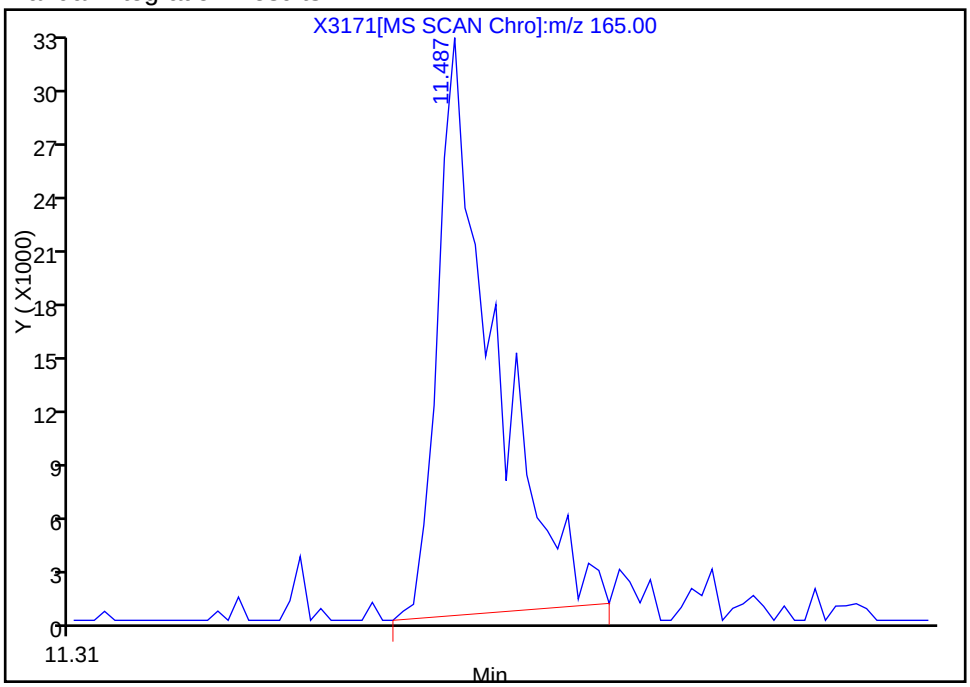
Processing Integration Results

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

Report Date: 09-Mar-2013 09:48:28 Chrom Revision: 2.0 01-Feb-2013 10:03:10

Manual Integration/User Assign Peak Report

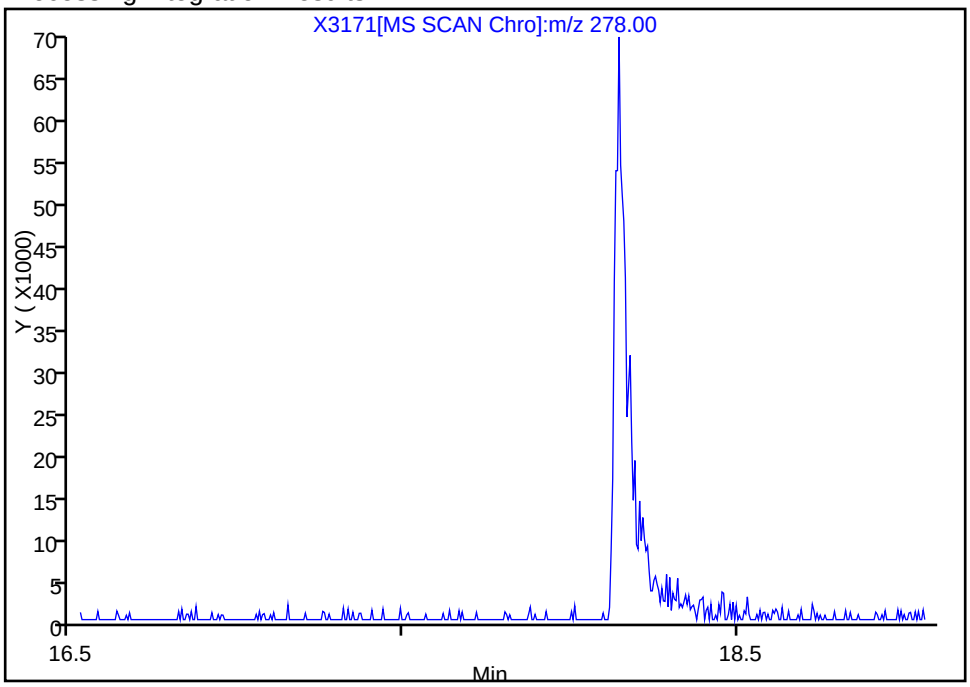
TestAmerica Buffalo

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

118 Dibenz(a,h)anthracene, Signal: 1, m/z: 278.0 Type: quant, RT: 18.13

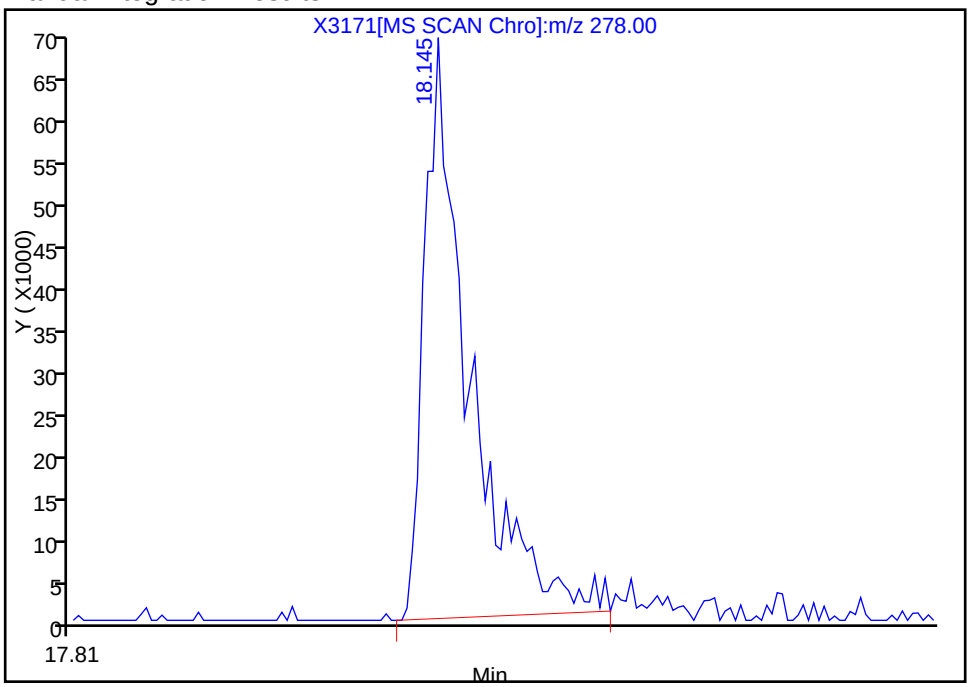
Processing Integration Results

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
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

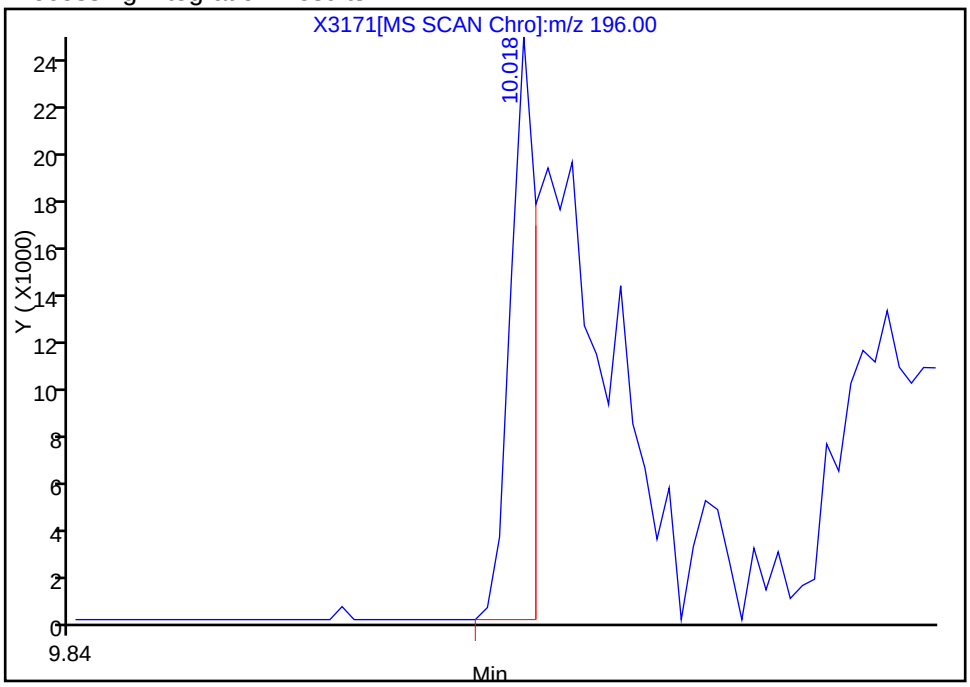
TestAmerica Buffalo

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

60 2,4,6-Trichlorophenol, Signal: 1, m/z: 196.0 Type: quant, RT: 10.02

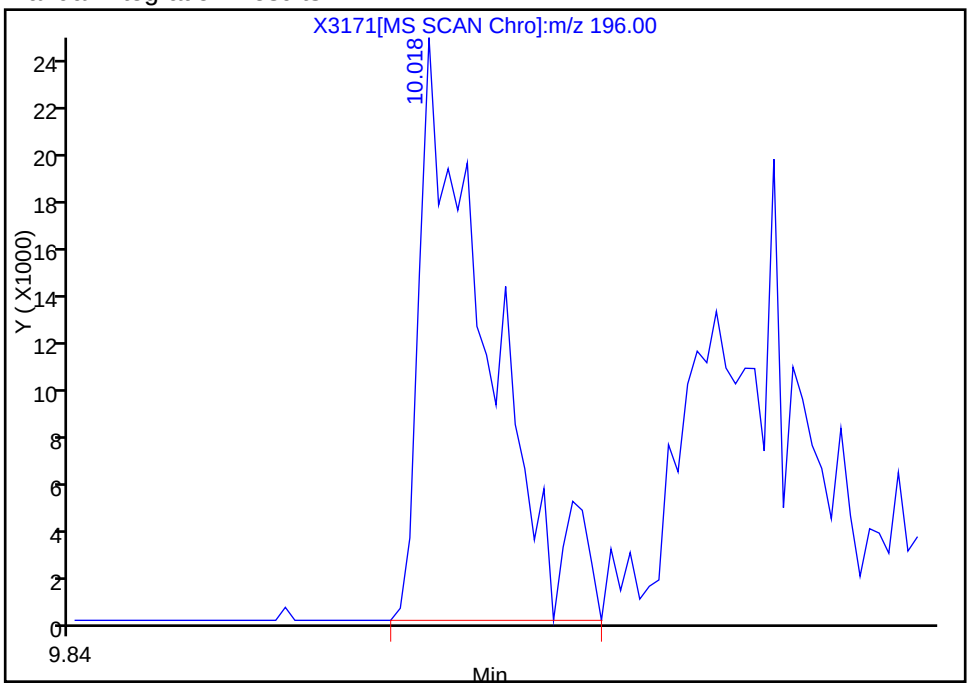
Processing Integration Results

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

Report Date: 09-Mar-2013 09:48:28 Chrom Revision: 2.0 01-Feb-2013 10:03:10

Manual Integration/User Assign Peak Report

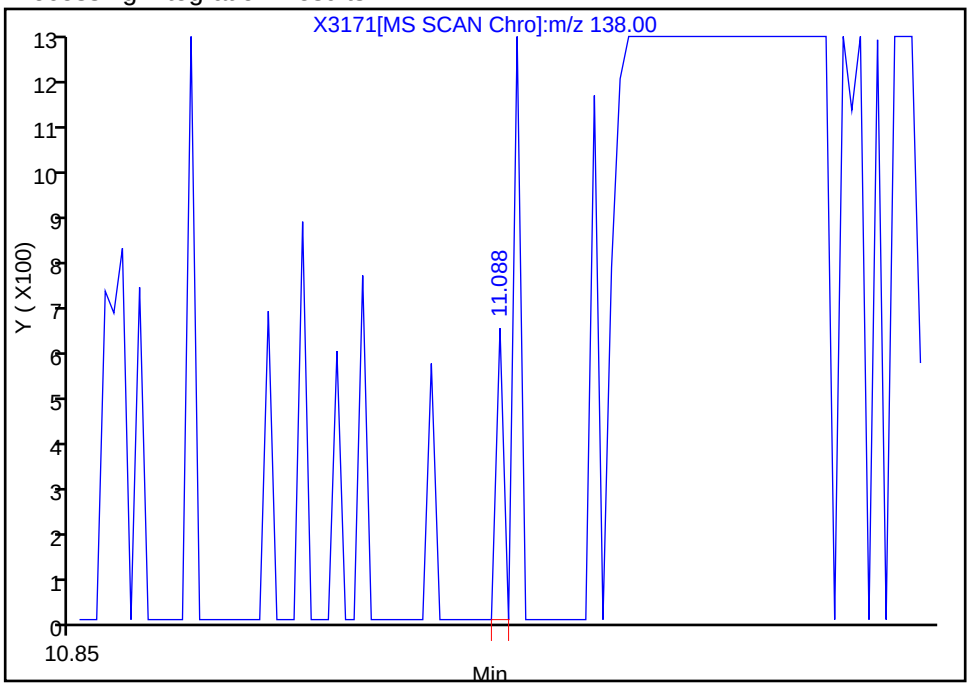
TestAmerica Buffalo

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

70 3-Nitroaniline, Signal: 1, m/z: 138.0 Type: quant, RT: 11.11

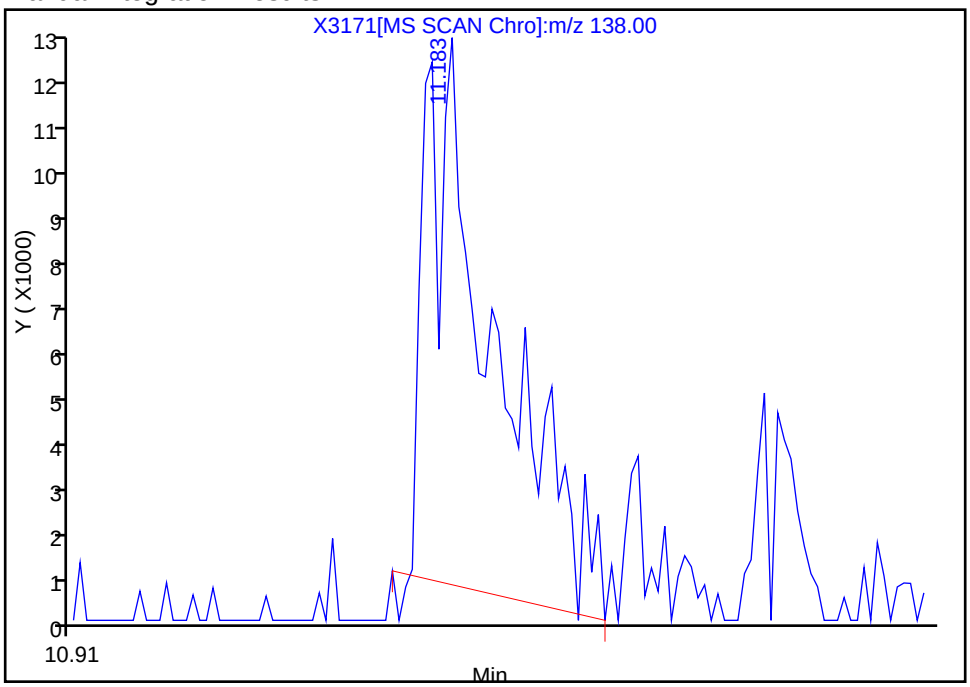
Processing Integration Results

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

Report Date: 09-Mar-2013 09:48:28 Chrom Revision: 2.0 01-Feb-2013 10:03:10

Manual Integration/User Assign Peak Report

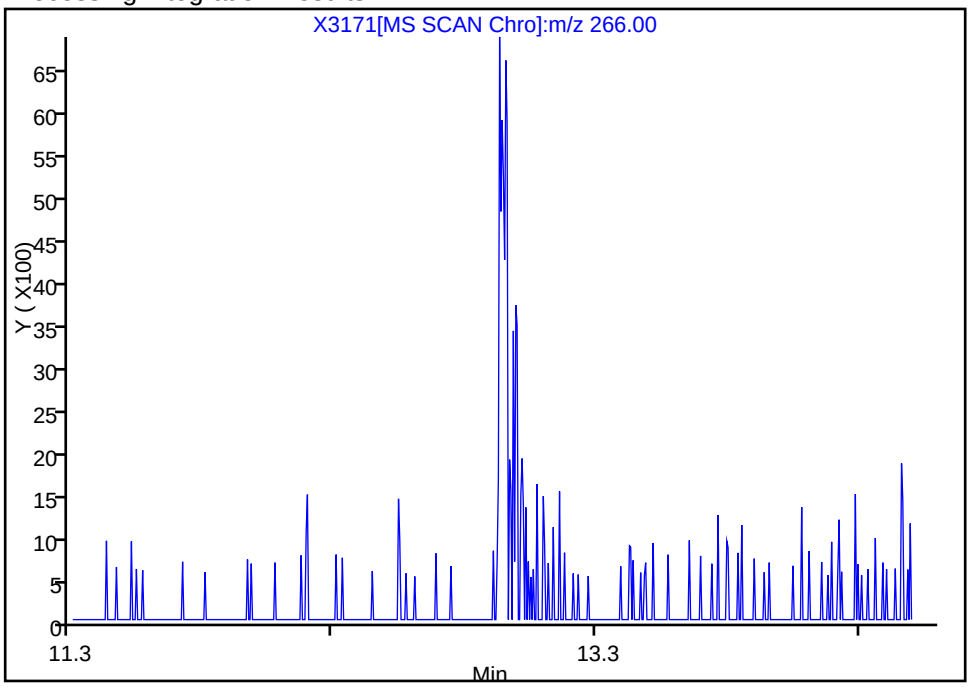
TestAmerica Buffalo

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

94 Pentachlorophenol, Signal: 1, m/z: 266.0 Type: quant, RT: 12.90

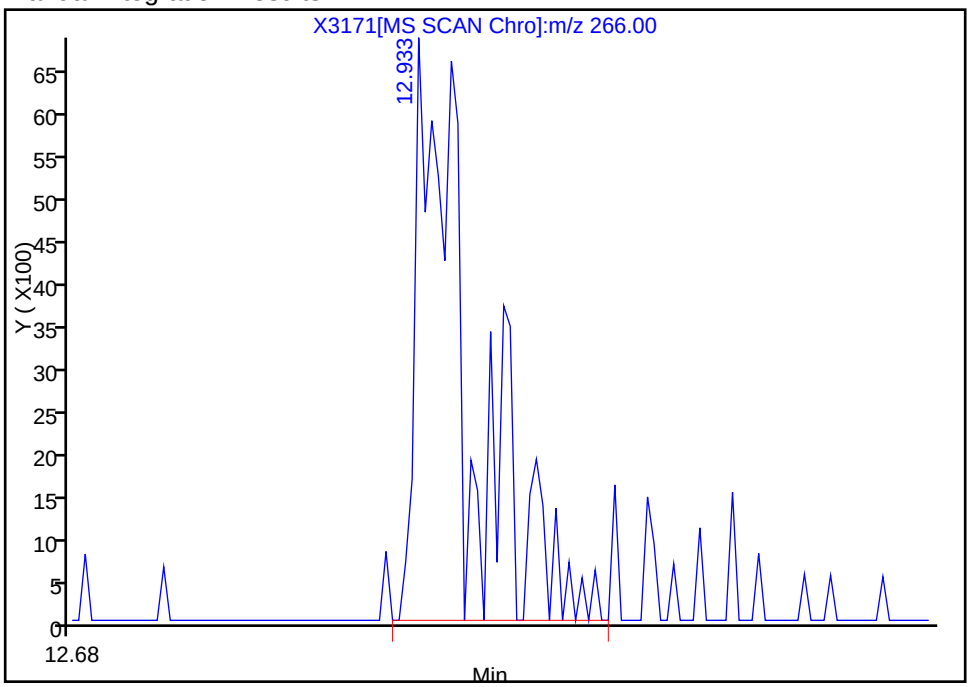
Processing Integration Results

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

Manual Integration/User Assign Peak Report

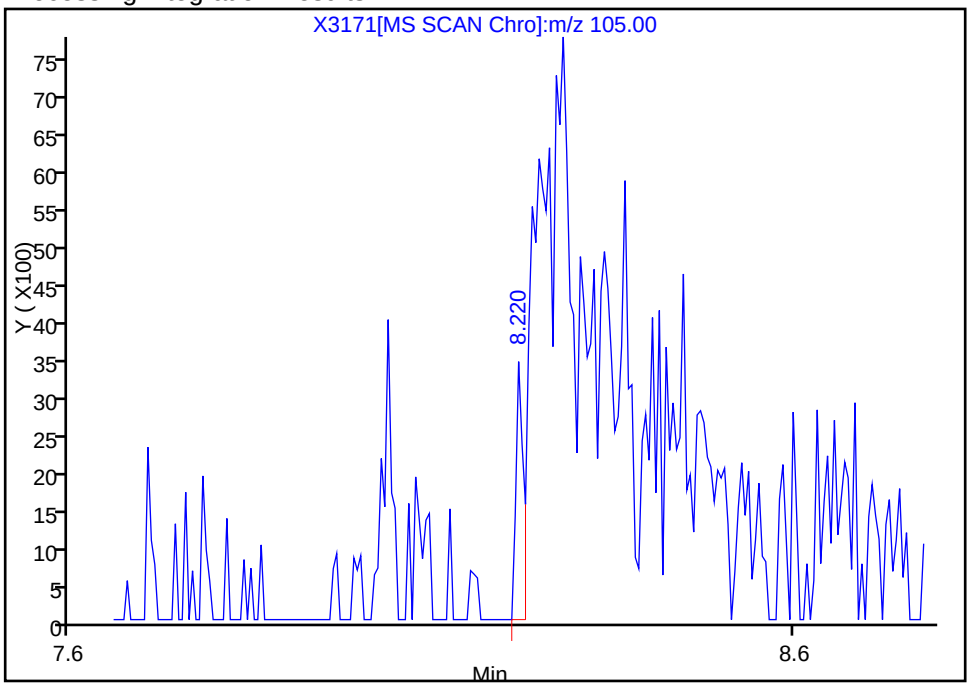
TestAmerica Buffalo

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

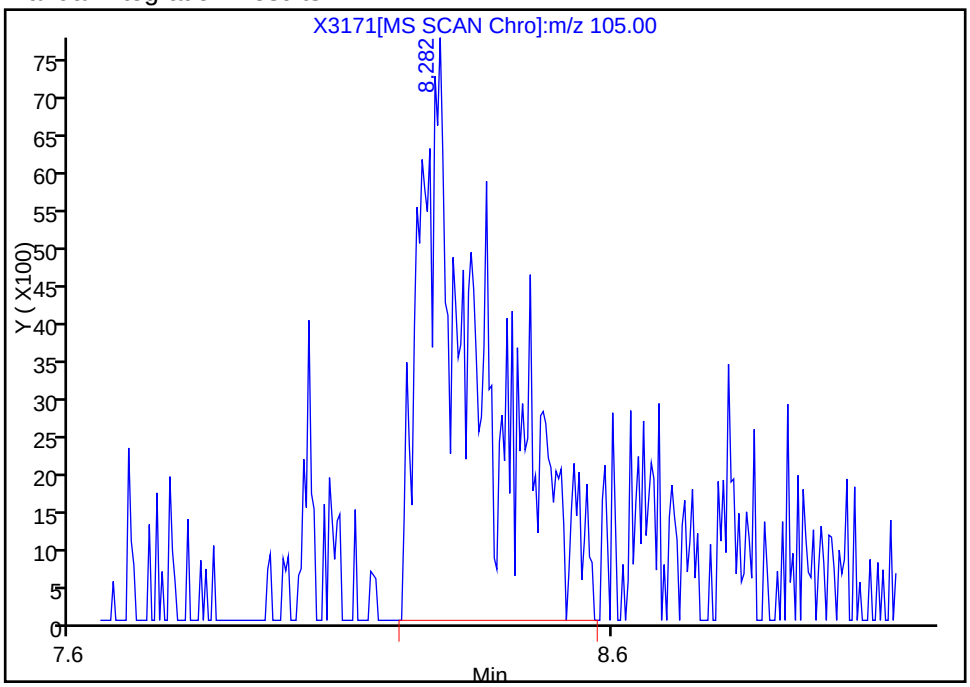
Processing Integration Results

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

Report Date: 09-Mar-2013 09:48:28 Chrom Revision: 2.0 01-Feb-2013 10:03:10

Manual Integration/User Assign Peak Report

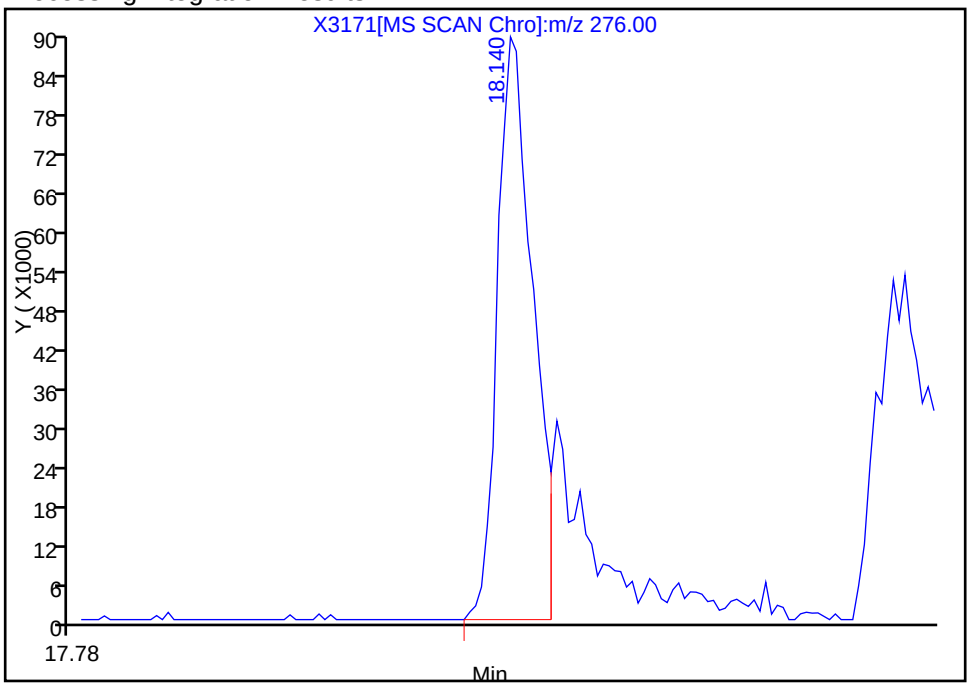
TestAmerica Buffalo

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

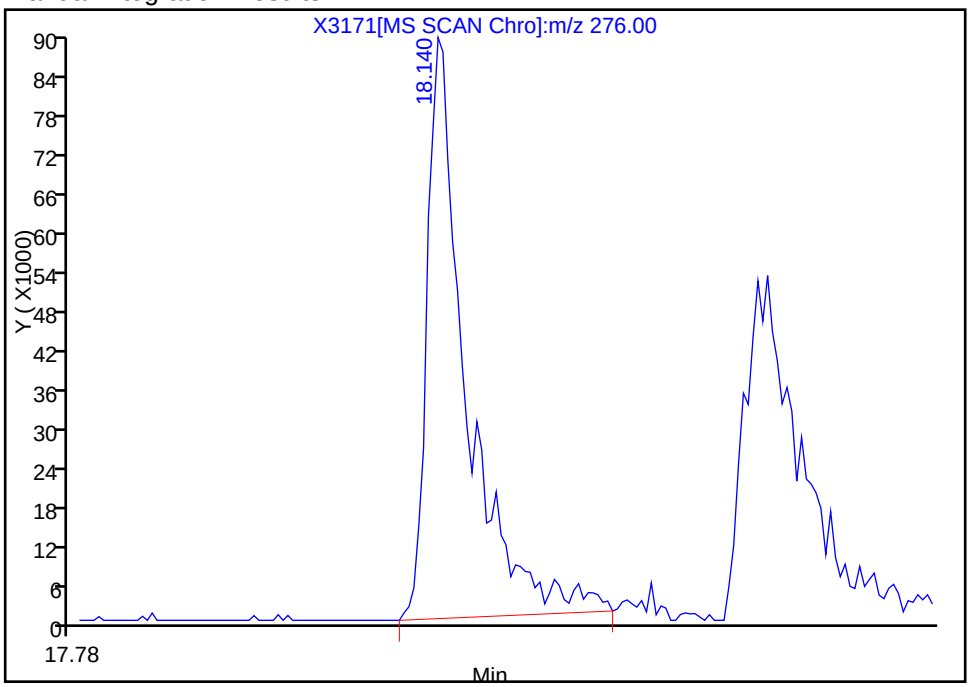
Processing Integration Results

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
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

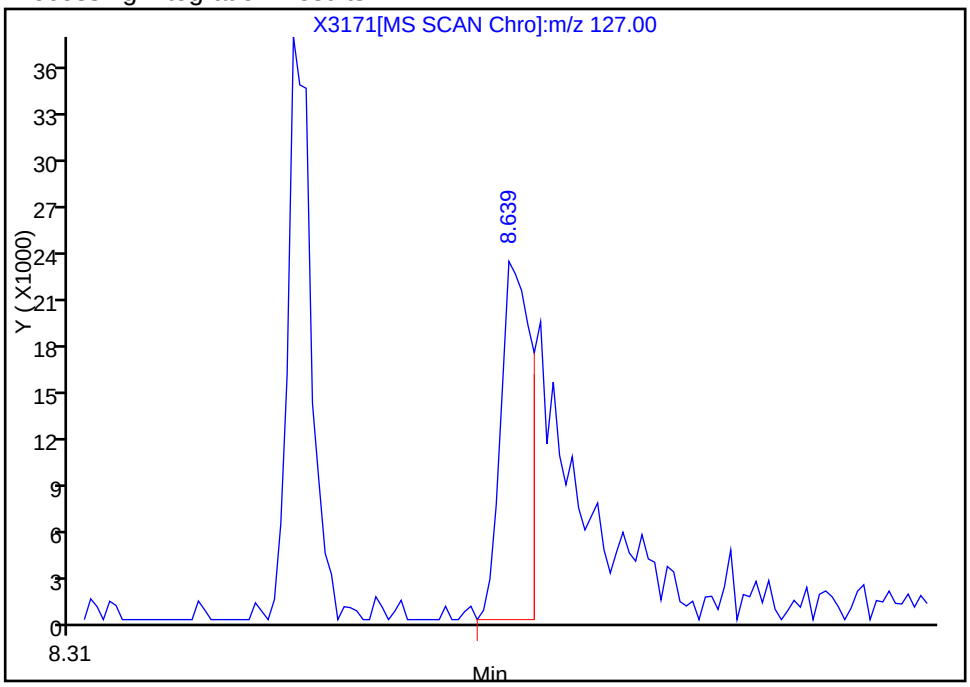
TestAmerica Buffalo

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

51 4-Chloroaniline, Signal: 1, m/z: 127.0 Type: quant, RT: 8.64

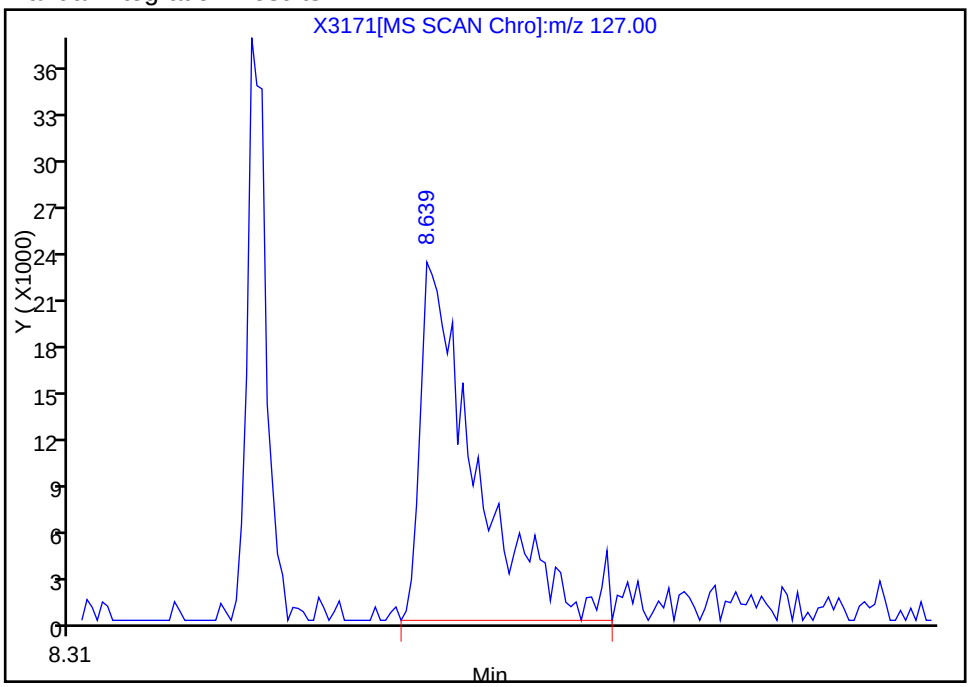
Processing Integration Results

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
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

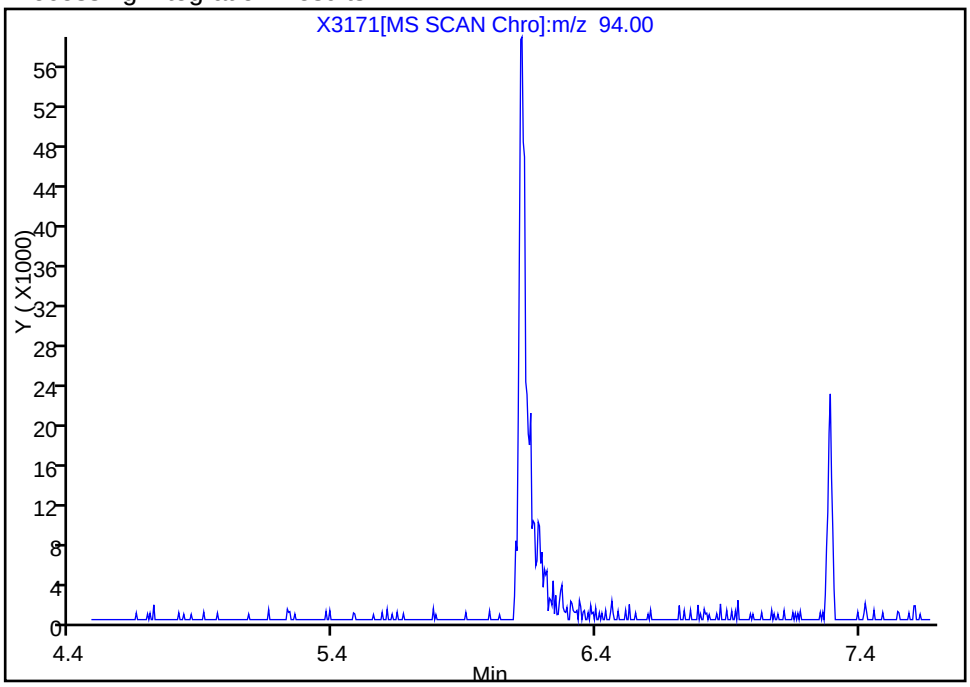
TestAmerica Buffalo

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

22 Phenol, Signal: 1, m/z: 94.0 Type: quant, RT: 6.08

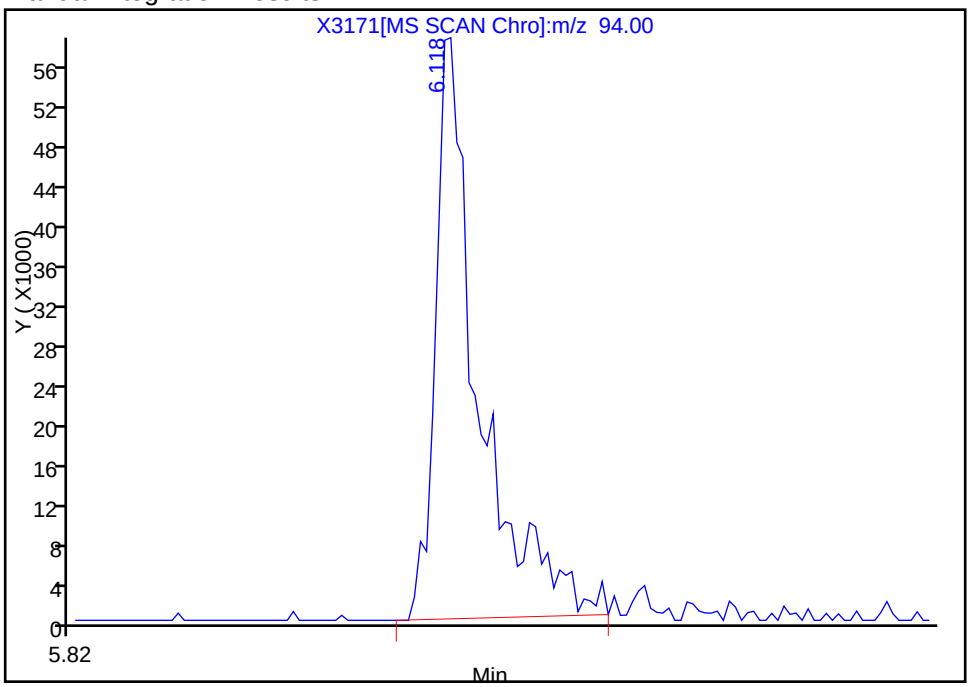
Processing Integration Results

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
Audit Action: Manually Integrated
Audit Reason: Assign Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo
Job No.: 480-30106-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCSD 480-96561/3-A
Matrix: Solid
Lab File ID: X3204.D
Analysis Method: 8270D
Date Collected:
Extract. Method: 3546
Date Extracted: 12/19/2012 09:30
Sample wt/vol: 000030.2(g)
Date Analyzed: 12/20/2012 16:08
Con. Extract Vol.: 1(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
Level: (low/med) Low
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 96803
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
117-81-7	Bis(2-ethylhexyl) phthalate	254		170	67
95-95-4	2,4,5-Trichlorophenol	254		33	11
62-53-3	Aniline	237		33	9.9
67-72-1	Hexachloroethane	216		33	9.9
131-11-3	Dimethyl phthalate	256		33	9.9
621-64-7	N-Nitrosodi-n-propylamine	237		33	9.9
7005-72-3	4-Chlorophenyl phenyl ether	239		33	9.9
105-67-9	2,4-Dimethylphenol	249		33	9.9
59-50-7	4-Chloro-3-methylphenol	275		66	9.9
78-59-1	Isophorone	242		33	9.9
50-32-8	Benzo[a]pyrene	248		33	9.9
86-73-7	Fluorene	236		33	9.9
106-44-5	4-Methylphenol	515		33	9.9
100-01-6	4-Nitroaniline	184		170	28
132-64-9	Dibenzofuran	256		33	9.9
208-96-8	Acenaphthylene	254		33	9.9
120-83-2	2,4-Dichlorophenol	246		33	9.9
88-74-4	2-Nitroaniline	277		170	42
191-24-2	Benzo[g,h,i]perylene	154		33	9.9
118-74-1	Hexachlorobenzene	254		33	9.9
105-60-2	Caprolactam	309		33	9.9
117-84-0	Di-n-octyl phthalate	298		33	9.9
86-74-8	Carbazole	226		33	9.9
87-68-3	Hexachlorobutadiene	218		33	9.9
85-01-8	Phenanthrene	255		33	9.9
88-75-5	2-Nitrophenol	239		33	13
534-52-1	4,6-Dinitro-2-methylphenol	221		170	32
207-08-9	Benzo[k]fluoranthene	302		33	17
90-12-0	1-Methylnaphthalene	486		33	9.9
51-28-5	2,4-Dinitrophenol	116		33	27
120-12-7	Anthracene	259		33	9.9
86-30-6	N-Nitrosodiphenylamine	145		33	9.9
91-57-6	2-Methylnaphthalene	219		33	9.9
84-74-2	Di-n-butyl phthalate	277		170	50

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo
Job No.: 480-30106-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCSD 480-96561/3-A
Matrix: Solid
Lab File ID: X3204.D
Analysis Method: 8270D
Date Collected:
Extract. Method: 3546
Date Extracted: 12/19/2012 09:30
Sample wt/vol: 000030.2(g)
Date Analyzed: 12/20/2012 16:08
Con. Extract Vol.: 1(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
Level: (low/med) Low
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 96803
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
120-82-1	1,2,4-Trichlorobenzene	223		33	9.9
1912-24-9	Atrazine	265		33	9.9
129-00-0	Pyrene	239		33	9.9
121-14-2	2,4-Dinitrotoluene	242		33	9.9
53-70-3	Dibenz(a,h)anthracene	172		33	9.9
541-73-1	1,3-Dichlorobenzene	204		33	9.9
101-84-8	Phenyl ether	287		33	9.9
100-52-7	Benzaldehyde	252		33	9.9
98-95-3	Nitrobenzene	232		33	9.9
103-33-3	Azobenzene	684		33	9.9
91-20-3	Naphthalene	218		33	9.9
88-06-2	2,4,6-Trichlorophenol	273		33	14
77-47-4	Hexachlorocyclopentadiene	201		66	9.9
99-09-2	3-Nitroaniline	235		170	9.9
87-86-5	Pentachlorophenol	260		33	9.9
206-44-0	Fluoranthene	205		33	9.9
91-94-1	3,3'-Dichlorobenzidine	242		66	12
62-75-9	N-Nitrosodimethylamine	194		33	9.9
101-55-3	4-Bromophenyl phenyl ether	277		33	9.9
100-51-6	Benzyl alcohol	143		66	9.9
92-52-4	1,1'-Biphenyl	291		33	9.9
58-90-2	2,3,4,6-Tetrachlorophenol	585		33	9.9
119-61-9	Benzophenone	283		33	9.9
84-66-2	Diethyl phthalate	253		33	11
65-85-0	Benzoic acid	376		170	15
95-48-7	2-Methylphenol	239		33	9.9
95-50-1	1,2-Dichlorobenzene	212		33	9.9
108-60-1	2,2'-oxybis[1-chloropropane]	209		33	9.9
98-86-2	Acetophenone	540		33	9.9
111-44-4	Bis(2-chloroethyl)ether	225		33	9.9
56-55-3	Benzo[a]anthracene	278		33	9.9
122-66-7	1,2-Diphenylhydrazine	682		33	9.9
193-39-5	Indeno[1,2,3-cd]pyrene	162		33	9.9
85-68-7	Butyl benzyl phthalate	243		33	9.9

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo
Job No.: 480-30106-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCSD 480-96561/3-A
Matrix: Solid
Lab File ID: X3204.D
Analysis Method: 8270D
Date Collected:
Extract. Method: 3546
Date Extracted: 12/19/2012 09:30
Sample wt/vol: 000030.2(g)
Date Analyzed: 12/20/2012 16:08
Con. Extract Vol.: 1(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
Level: (low/med) Low
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 96803
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
218-01-9	Chrysene	261		33	9.9
83-32-9	Acenaphthene	225		33	9.9
205-99-2	Benzo[b]fluoranthene	267		33	9.9
100-02-7	4-Nitrophenol	36.2	J	170	14
106-47-8	4-Chloroaniline	208		66	30
95-57-8	2-Chlorophenol	243		33	9.9
606-20-2	2,6-Dinitrotoluene	128		33	28
108-95-2	Phenol	250		33	9.9
106-46-7	1,4-Dichlorobenzene	207		33	9.9
111-91-1	Bis(2-chloroethoxy)methane	235		33	9.9
91-58-7	2-Chloronaphthalene	227		33	9.9
95-94-3	1,2,4,5-Tetrachlorobenzene	604		33	9.9

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	90		30-130
367-12-4	2-Fluorophenol	81		30-130
4165-60-0	Nitrobenzene-d5	87		30-130
4165-62-2	Phenol-d5	97		30-130
321-60-8	2-Fluorobiphenyl	96		30-130
1718-51-0	p-Terphenyl-d14	88		30-130

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3204.D
Lims ID: LCSD 480-96561/3-A Client ID:
Inject. Date: 20-Dec-2012 16:08:30 Dil. Factor: 1.0000
Sample Type: LCSD
Sample ID: 480-0017736-014
Misc. Info.:
Operator: ANM Instrument ID: HP5973X
Injection Vol: 1.0 ul ALS Bottle#: 16
Lims Batch ID: 96803 Lims Sample ID: 14
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973X\20121220-17736.b\X-8270LL.m
Last Update: 09-Mar-2013 09:29:35 Calib Date: 18-Dec-2012 14:44:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973X\20121218-17654.b\X3139.D
Limit Group: MB - 8270RCP_MCP ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: RXI-5Sil MS Column Dia: 0.25 mm
Process Host: XAWRK034

First Level Reviewer: mckernar Date: 20-Dec-2012 16:46:11

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.556	6.570	-0.014	84	198182	5.00	
* 2 Naphthalene-d8	136	8.448	8.439	0.009	97	746613	5.00	
* 3 Acenaphthene-d10	164	11.092	11.064	0.028	89	459413	5.00	
* 4 Phenanthrene-d10	188	13.099	13.080	0.019	95	686463	5.00	
* 5 Chrysene-d12	240	15.748	15.734	0.014	95	479631	5.00	
* 6 Perylene-d12	264	17.027	17.013	0.014	96	553861	5.00	
$ 7 2-Fluorophenol	112	4.682	4.682	0.0	1	73015	1.62	
$ 8 Phenol-d5	99	6.080	6.090	-0.010	59	106618	1.95	
$ 9 Nitrobenzene-d5	82	7.383	7.393	-0.010	76	97455	1.74	
$ 10 2-Fluorobiphenyl	172	10.103	10.075	0.028	93	221763	1.92	
$ 11 2,4,6-Tribromophenol	330	12.262	12.229	0.033	51	22779	1.80	
$ 12 p-Terphenyl-d14	244	14.783	14.759	0.024	94	162571	1.76	
19 N-Nitrosodimethylamine	42	2.813	2.766	0.047	65	212559	5.87	
20 Pyridine	52	2.884	2.837	0.047	75	169080	4.60	
21 Benzaldehyde	77	5.923	5.938	-0.015	88	296077	7.62	
23 Aniline	93	6.090	6.104	-0.014	93	518754	7.15	
22 Phenol	94	6.099	6.109	-0.010	38	454888	7.54	
24 Bis(2-chloroethyl)ether	93	6.185	6.204	-0.019	98	322594	6.79	
25 2-Chlorophenol	128	6.256	6.270	-0.014	96	376625	7.34	
26 1,3-Dichlorobenzene	146	6.465	6.484	-0.019	97	392039	6.16	
27 1,4-Dichlorobenzene	146	6.579	6.594	-0.015	71	398352	6.27	
29 1,2-Dichlorobenzene	146	6.798	6.813	-0.015	85	379721	6.40	
28 Benzyl alcohol	108	6.798	6.813	-0.015	1	71809	4.32	M
31 2-Methylphenol	108	6.984	6.993	-0.009	73	310622	7.21	
32 2,2'-oxybis[1-chloropropane]	45	6.979	6.998	-0.019	67	487028	6.30	
33 Acetophenone	105	7.169	7.174	-0.005	95	1198766	16.3	
34 N-Nitrosodi-n-propylamine	70	7.179	7.183	-0.004	94	264347	7.16	
36 4-Methylphenol	108	7.221	7.231	-0.010	82	678374	15.5	
37 Hexachloroethane	117	7.288	7.298	-0.010	94	164717	6.52	
38 Nitrobenzene	77	7.416	7.421	-0.005	83	406816	7.00	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
40 Isophorone	82	7.778	7.778	0.0	75	698441	7.31	
41 2-Nitrophenol	139	7.892	7.892	0.0	89	191140	7.23	
43 2,4-Dimethylphenol	107	8.011	8.001	0.010	86	374486	7.51	
42 o,o',o''-Triethylphosphorothioat	198	8.087	8.055	0.032	86	217668	0	
45 Bis(2-chloroethoxy)methane	93	8.130	8.125	0.005	99	402482	7.11	
44 Benzoic acid	105	8.196	8.177	0.019	1	316507	11.4	M
47 2,4-Dichlorophenol	162	8.296	8.277	0.019	81	301059	7.42	
48 1,2,4-Trichlorobenzene	180	8.372	8.363	0.009	95	335898	6.73	
49 Naphthalene	128	8.482	8.472	0.010	93	1088685	6.58	
51 4-Chloroaniline	127	8.615	8.596	0.019	97	375350	6.27	
52 Hexachlorobutadiene	225	8.677	8.662	0.015	84	179723	6.59	
54 Caprolactam	113	9.157	9.129	0.028	68	137902	9.33	M
55 4-Chloro-3-methylphenol	107	9.414	9.385	0.029	96	371865	8.29	
56 2-Methylnaphthalene	142	9.533	9.509	0.024	77	765115	6.60	
57 1-Methylnaphthalene	142	9.680	9.656	0.024	86	1567972	14.7	
58 Hexachlorocyclopentadiene	237	9.766	9.742	0.024	71	99101	6.07	
59 1,2,4,5-Tetrachlorobenzene	216	9.789	9.761	0.028	92	786304	18.2	
60 2,4,6-Trichlorophenol	196	9.999	9.970	0.029	90	218355	8.23	
61 2,4,5-Trichlorophenol	196	10.089	10.056	0.033	85	197131	7.68	
62 1,1'-Biphenyl	154	10.246	10.218	0.028	99	1166804	8.78	
63 2-Chloronaphthalene	162	10.265	10.265	0.0	92	713029	6.86	
64 Phenyl ether	170	10.412	10.384	0.028	91	625585	8.66	
65 2-Nitroaniline	65	10.469	10.436	0.033	81	254819	8.37	
66 1,4-Dinitrobenzene	75	10.702	10.665	0.037	82	155751	0	
67 Dimethyl phthalate	163	10.750	10.722	0.028	93	917801	7.72	
68 2,6-Dinitrotoluene	165	10.836	10.807	0.029	83	209098	3.88	
69 Acenaphthylene	152	10.883	10.850	0.033	91	1233833	7.68	
70 3-Nitroaniline	138	11.107	11.069	0.038	76	189888	7.09	M
71 Acenaphthene	153	11.140	11.112	0.028	90	758773	6.78	
72 2,4-Dinitrophenol	184	11.297	11.240	0.057	83	29619	3.51	
73 Dibenzofuran	168	11.411	11.378	0.033	98	1054009	7.72	
74 2,4-Dinitrotoluene	165	11.454	11.416	0.038	94	251283	7.30	
75 4-Nitrophenol	109	11.544	11.454	0.090	29	25157	1.09	
76 2,3,4,6-Tetrachlorophenol	232	11.630	11.597	0.033	83	364633	17.7	
78 Diethyl phthalate	149	11.801	11.777	0.024	92	994024	7.64	
79 Fluorene	166	11.910	11.882	0.028	82	890229	7.13	
80 4-Chlorophenyl phenyl ether	204	11.929	11.901	0.028	90	398546	7.21	
81 4-Nitroaniline	138	12.025	11.982	0.042	81	159915	5.56	
82 4,6-Dinitro-2-methylphenol	198	12.053	12.010	0.043	56	119542	6.68	
83 N-Nitrosodiphenylamine	169	12.101	12.077	0.024	98	700845	4.39	
16 1,2-Diphenylhydrazine	77	12.143	12.120	0.023	95	2125634	20.6	E
85 Azobenzene	77	12.143	12.120	0.023	94	2125634	20.6	E
86 Benzophenone	105	12.167	12.144	0.023	88	932937	8.54	
87 Sulfotepp	322	12.338	12.297	0.041	77	182140	0	
88 Phorate	75	12.491	12.454	0.037	88	604075	0	
89 4-Bromophenyl phenyl ether	248	12.571	12.548	0.023	86	215166	8.36	
91 Hexachlorobenzene	284	12.633	12.610	0.023	77	207844	7.67	
90 Dimethoate	87	12.724	12.668	0.056	88	333707	0	
93 Atrazine	200	12.814	12.800	0.014	84	276950	8.01	
94 Pentachlorophenol	266	12.914	12.885	0.029	71	97525	7.85	
97 Phenanthrene	178	13.128	13.109	0.019	89	1179948	7.71	
96 Disulfoton	88	13.128	13.120	0.008	74	581325	0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
98 Anthracene	178	13.190	13.171	0.019	95	1220264	7.83	
99 Carbazole	167	13.399	13.380	0.019	97	986852	6.83	
100 Methyl parathion	109	13.556	13.543	0.013	87	281244	0	
102 Di-n-butyl phthalate	149	13.784	13.765	0.019	97	1400268	8.36	
103 Ethyl Parathion	97	13.965	14.003	-0.038	79	181368	0	
104 Fluoranthene	202	14.407	14.388	0.019	96	936405	6.18	
106 Pyrene	202	14.631	14.607	0.024	98	928070	7.22	
107 Famphur	218	15.177	15.168	0.009	82	369855	0	
108 Butyl benzyl phthalate	149	15.225	15.211	0.014	92	520486	7.32	
109 3,3'-Dichlorobenzidine	252	15.720	15.705	0.015	70	315314	7.32	
110 Bis(2-ethylhexyl) phthalate	149	15.720	15.710	0.010	96	750895	7.68	
111 Benzo[a]anthracene	228	15.734	15.720	0.014	96	866238	8.38	
112 Chrysene	228	15.772	15.753	0.019	91	923615	7.88	
113 Di-n-octyl phthalate	149	16.257	16.248	0.009	97	1388456	9.00	
114 Benzo[b]fluoranthene	252	16.666	16.657	0.009	93	1038426	8.07	
115 Benzo[k]fluoranthene	252	16.694	16.680	0.014	98	1209318	9.12	
116 Benzo[a]pyrene	252	16.975	16.961	0.014	70	930304	7.48	
118 Dibenz(a,h)anthracene	278	18.126	18.107	0.019	56	586768	5.21	
117 Indeno[1,2,3-cd]pyrene	276	18.121	18.107	0.014	94	648726	4.89	
119 Benzo[g,h,i]perylene	276	18.440	18.421	0.019	90	514707	4.65	
S 121 3-Methylphenol	1		0.000					

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount

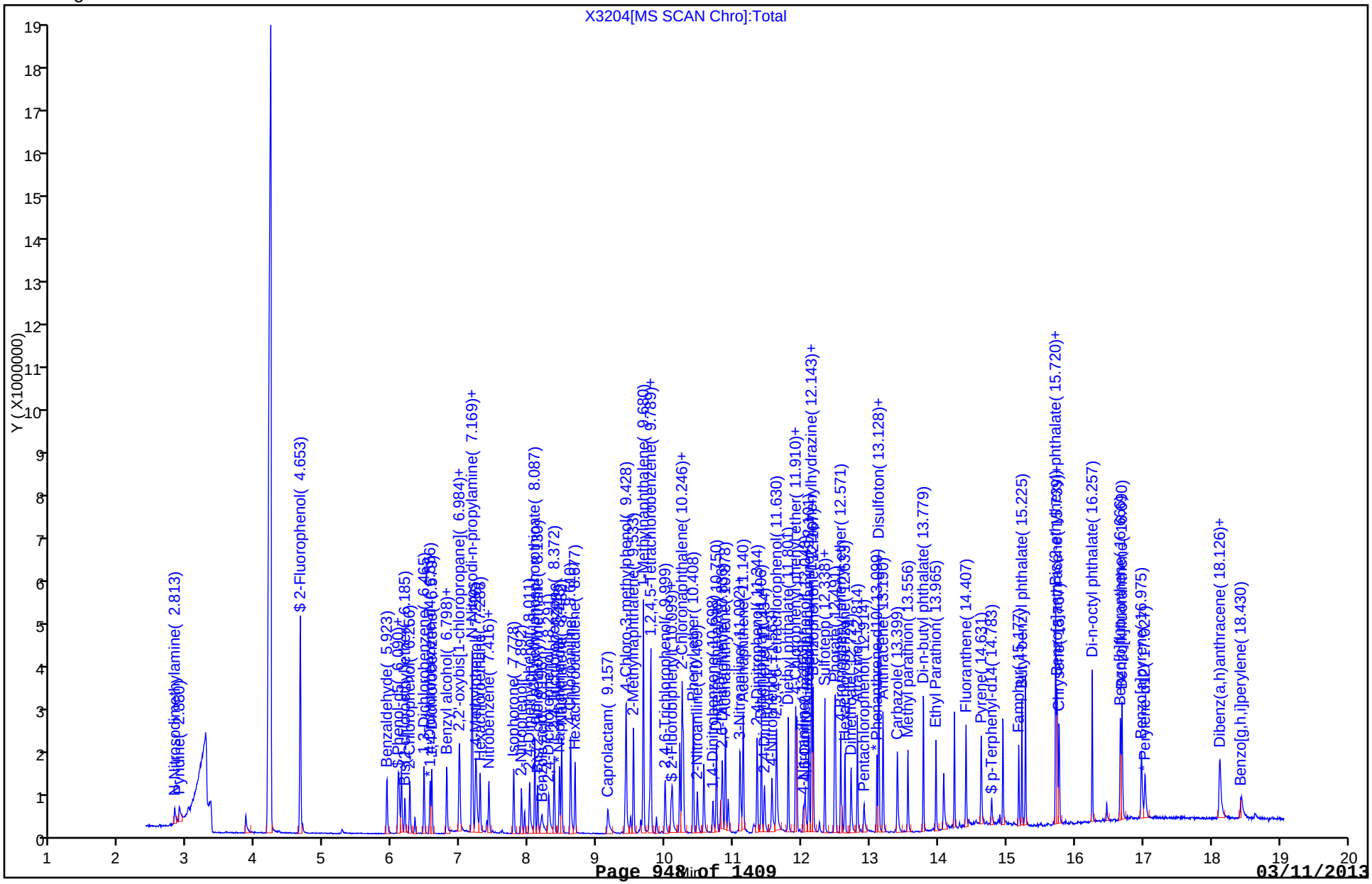
Review Flags
M - Manually Integrated

Report Date: 09-Mar-2013 09:29:38 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3204.D		
Injection Date:	20-Dec-2012 16:08:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	14
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:



Report Date: 09-Mar-2013 09:29:38 Chrom Revision: 2.0 01-Feb-2013 10:03:10

Manual Integration/User Assign Peak Report

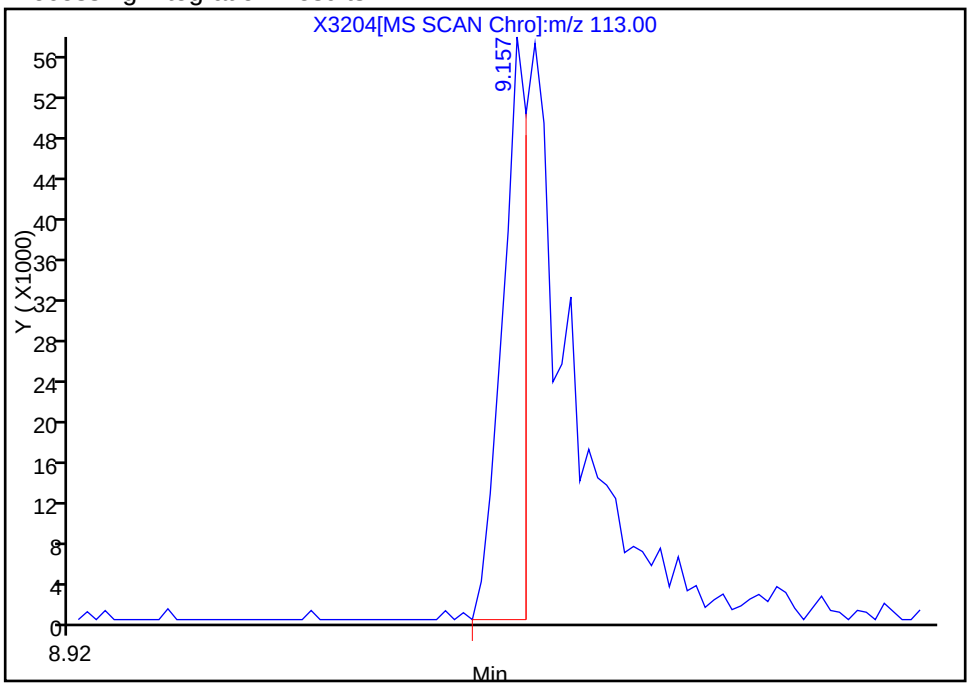
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3204.D		
Injection Date:	20-Dec-2012 16:08:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	14
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

54 Caprolactam, Signal: 1, m/z: 113.0 Type: quant, RT: 9.13

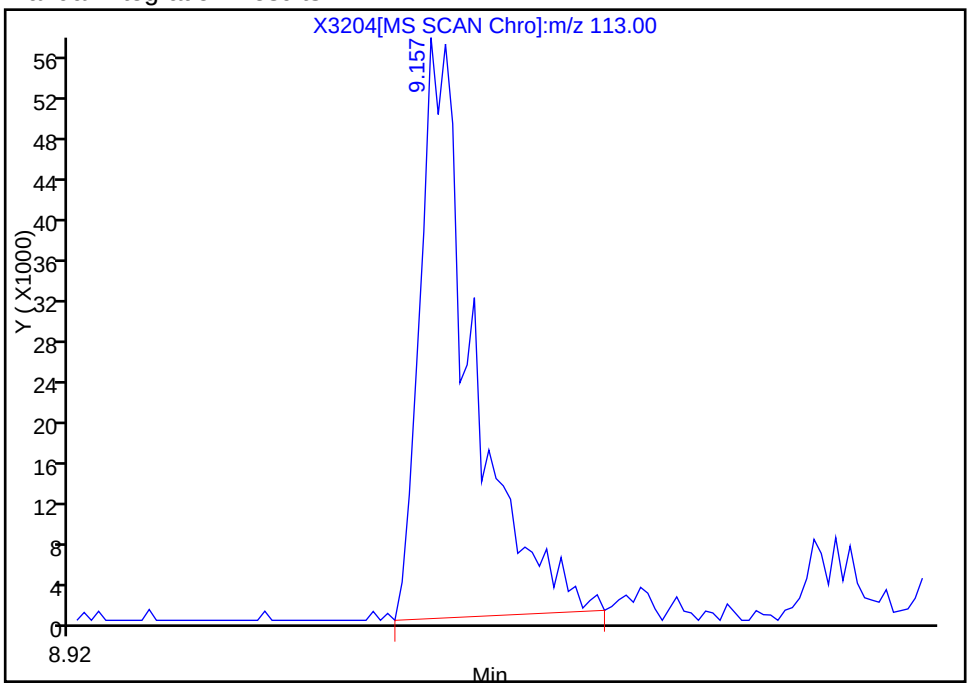
Processing Integration Results

RT: 9.16
Response: 53342
Amount: 3.283207



Manual Integration Results

RT: 9.16
Response: 137902
Amount: 9.334970



Reviewer: mckernar, 20-Dec-2012 16:46:11
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

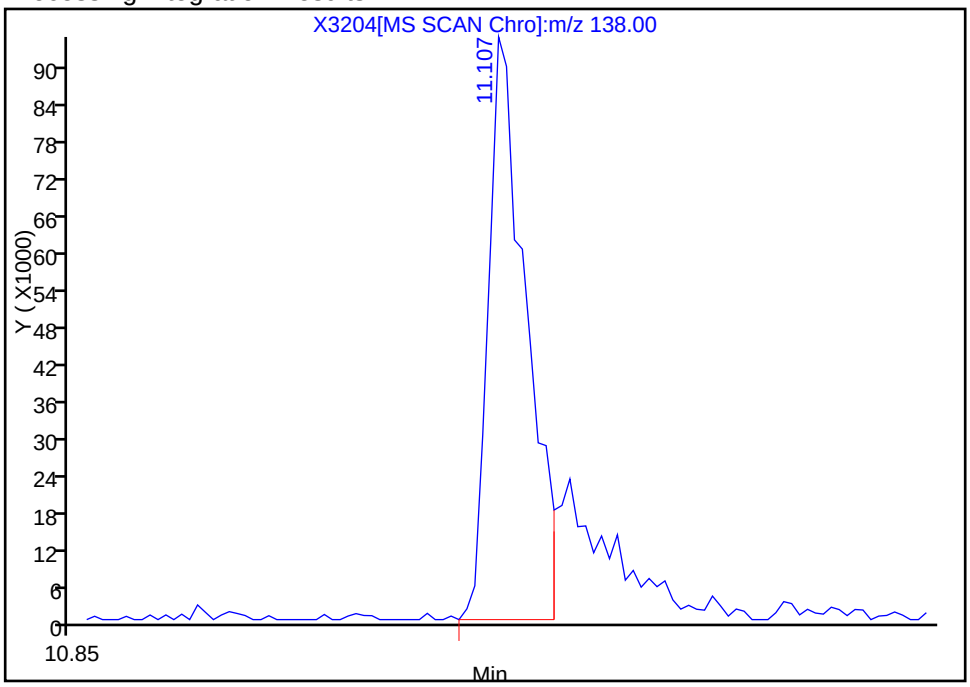
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3204.D		
Injection Date:	20-Dec-2012 16:08:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	14
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

70 3-Nitroaniline, Signal: 1, m/z: 138.0 Type: quant, RT: 11.07

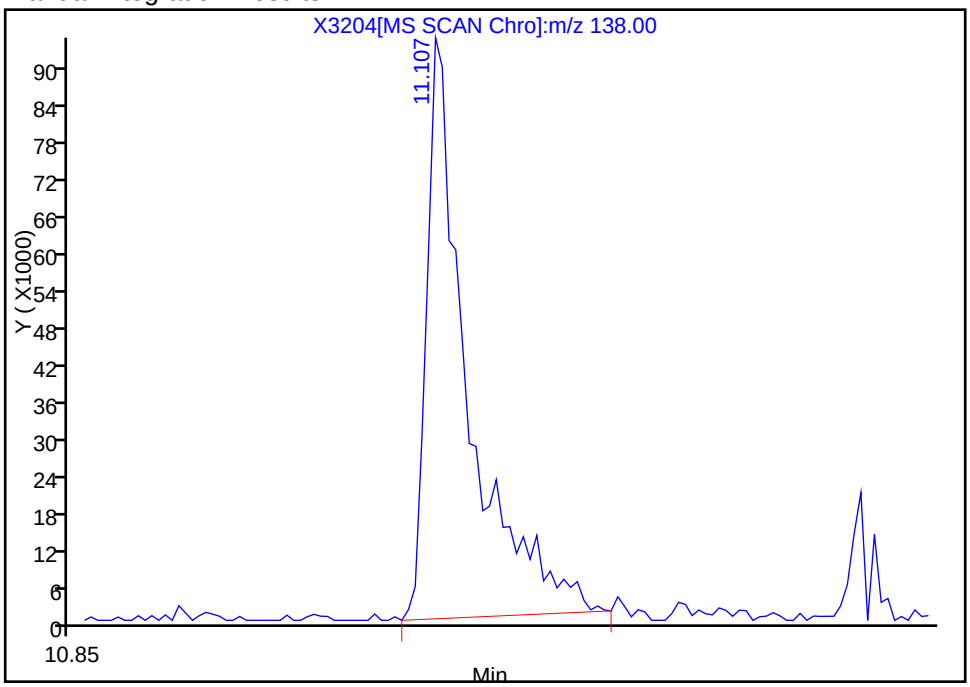
Processing Integration Results

RT: 11.11
Response: 149043
Amount: 5.120291



Manual Integration Results

RT: 11.11
Response: 189888
Amount: 7.094092



Reviewer: mckernar, 20-Dec-2012 16:46:11
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

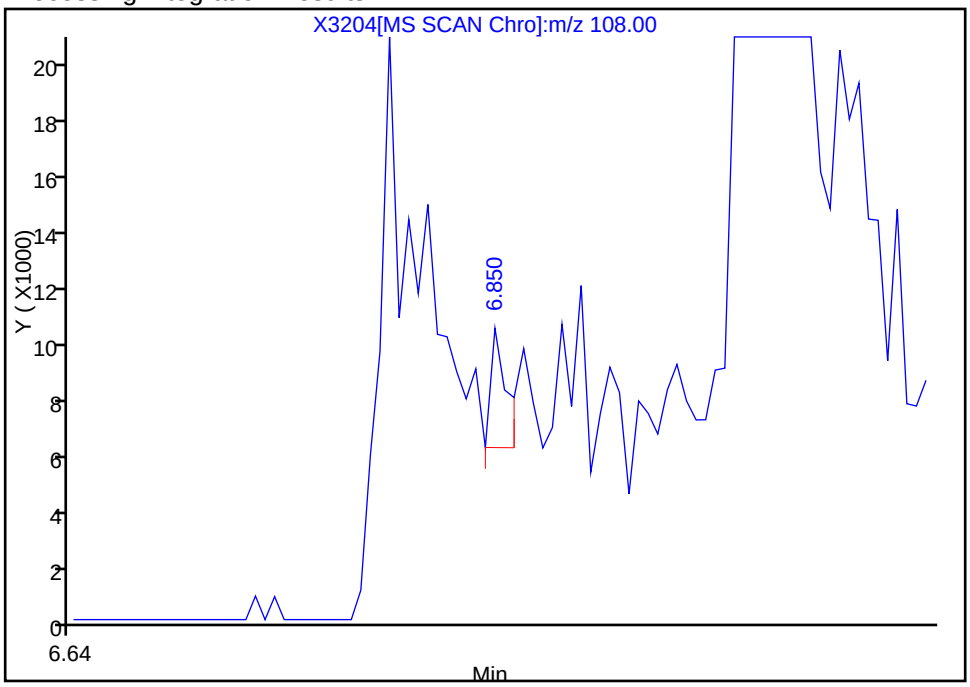
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3204.D		
Injection Date:	20-Dec-2012 16:08:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	14
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

28 Benzyl alcohol, Signal: 1, m/z: 108.0 Type: quant, RT: 6.81

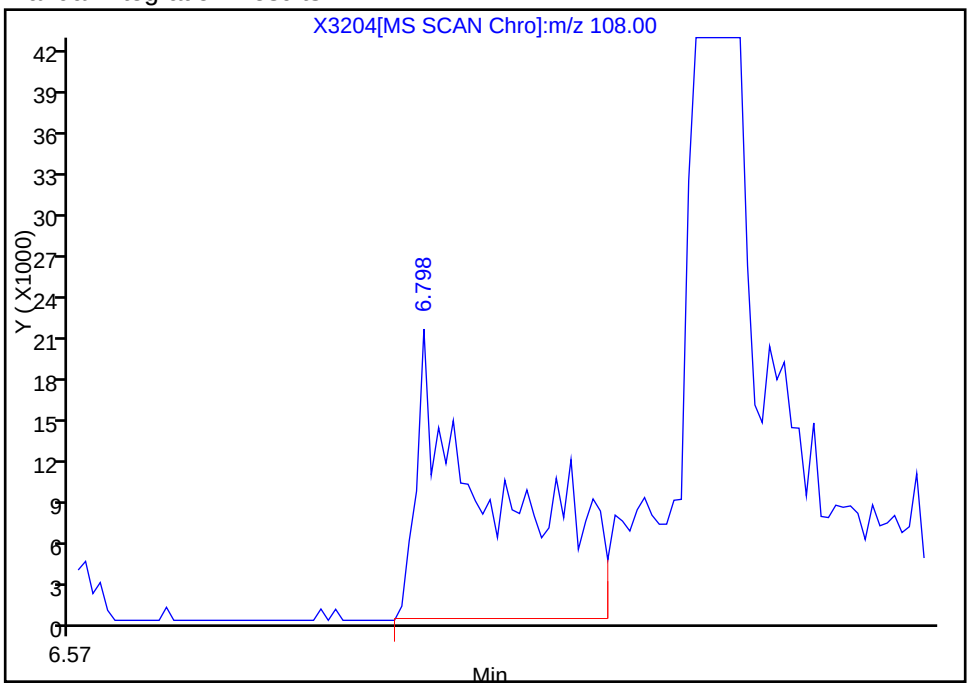
Processing Integration Results

RT: 6.85
Response: 2249
Amount: 0.143666



Manual Integration Results

RT: 6.80
Response: 71809
Amount: 4.320980



Reviewer: mckernar, 20-Dec-2012 16:46:11
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

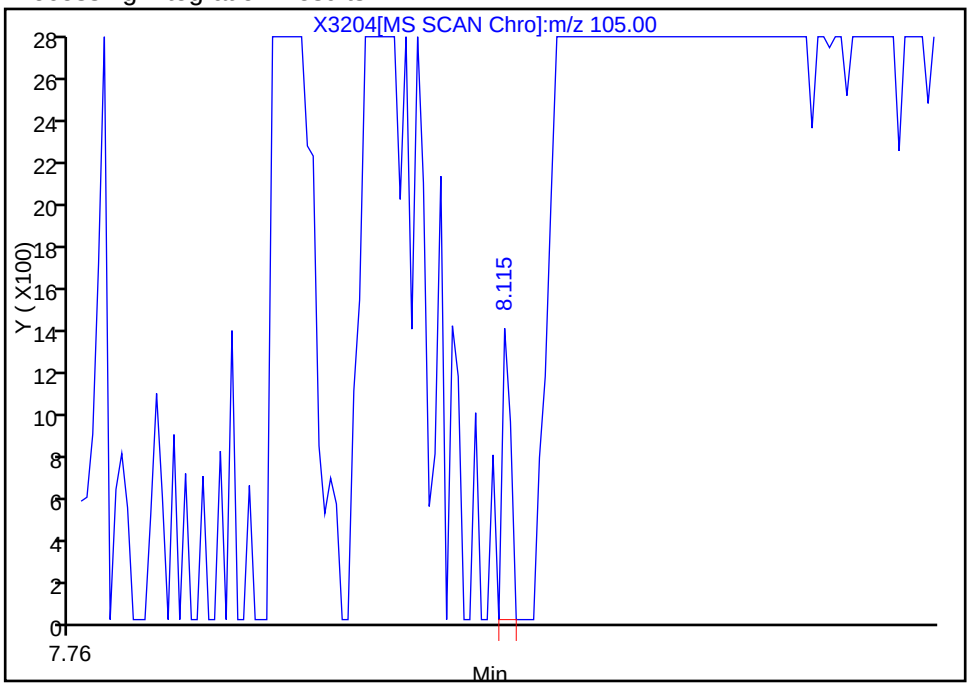
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121220-17736.b\X3204.D		
Injection Date:	20-Dec-2012 16:08:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	96803	Lims Sample ID:	14
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

44 Benzoic acid, Signal: 1, m/z: 105.0 Type: quant, RT: 8.18

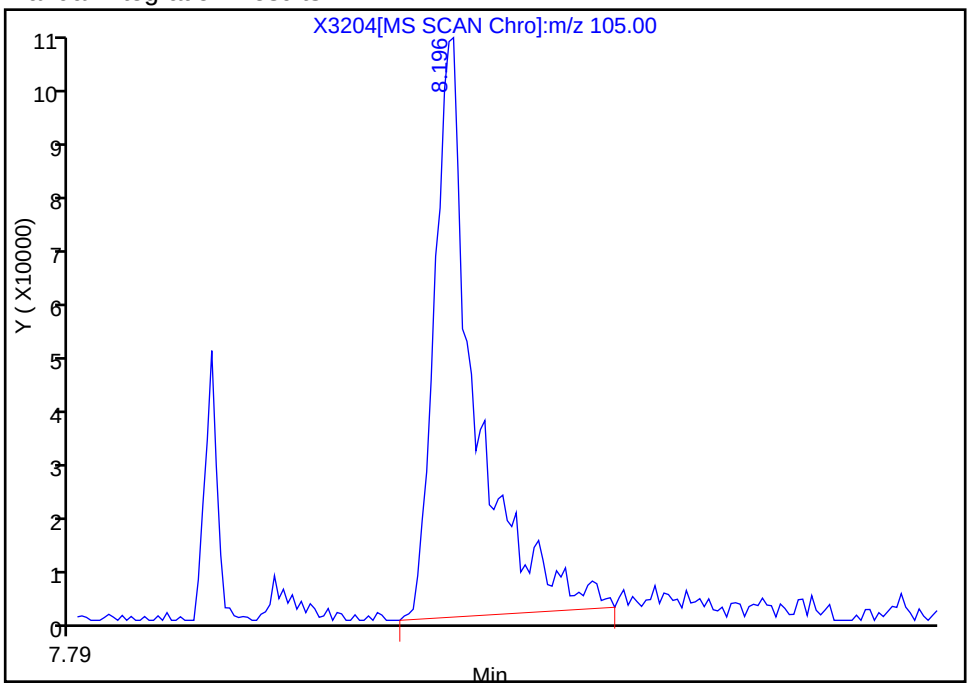
Processing Integration Results

RT: 8.12
Response: 666
Amount: 0.019995



Manual Integration Results

RT: 8.20
Response: 316507
Amount: 11.352989



Reviewer: mckernar, 20-Dec-2012 16:46:11
Audit Action: Manually Integrated
Audit Reason: Assign Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30106-1

SDG No.:

Client Sample ID: OC-SB-514-15/17-XXX MS | Lab Sample ID: 480-30106-6 MS

Matrix: Solid | Lab File ID: X3172.D

Analysis Method: 8270D | Date Collected: 12/12/2012 09:20

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

Sample wt/vol: 000030.2(g) | Date Analyzed: 12/19/2012 18:29

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

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

% Moisture: 8.0 | 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		180	72
95-95-4	2,4,5-Trichlorophenol	46.0		36	12
62-53-3	Aniline	37.3		36	11
67-72-1	Hexachloroethane	52.2		36	11
131-11-3	Dimethyl phthalate	56.5		36	11
105-67-9	2,4-Dimethylphenol	42.0		36	11
78-59-1	Isophorone	58.7		36	11
86-73-7	Fluorene	57.2		36	11
132-64-9	Dibenzofuran	58.1		36	11
208-96-8	Acenaphthylene	55.3		36	11
120-83-2	2,4-Dichlorophenol	31.7	J	36	11
191-24-2	Benzo[g,h,i]perylene	69.3		36	11
118-74-1	Hexachlorobenzene	70.0		36	11
117-84-0	Di-n-octyl phthalate	59.8		36	11
87-68-3	Hexachlorobutadiene	52.4		36	11
85-01-8	Phenanthrene	67.6		36	11
88-75-5	2-Nitrophenol	37.5		36	14
207-08-9	Benzo[k]fluoranthene	70.5		36	18
51-28-5	2,4-Dinitrophenol	ND		36	29
120-12-7	Anthracene	63.3		36	11
91-57-6	2-Methylnaphthalene	61.6		36	11
84-74-2	Di-n-butyl phthalate	65.6	J	180	54
120-82-1	1,2,4-Trichlorobenzene	53.1		36	11
129-00-0	Pyrene	74.5		36	11
121-14-2	2,4-Dinitrotoluene	38.7		36	11
53-70-3	Dibenz(a,h)anthracene	62.6		36	11
541-73-1	1,3-Dichlorobenzene	48.3		36	11
98-95-3	Nitrobenzene	59.6		36	11
91-20-3	Naphthalene	54.6		36	11
88-06-2	2,4,6-Trichlorophenol	44.5		36	15
87-86-5	Pentachlorophenol	ND		36	11
206-44-0	Fluoranthene	54.5		36	11
91-94-1	3,3'-Dichlorobenzidine	40.1	J	72	13
101-55-3	4-Bromophenyl phenyl ether	67.3		36	11

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30106-1

SDG No.:

Client Sample ID: OC-SB-514-15/17-XXX MS | Lab Sample ID: 480-30106-6 MS

Matrix: Solid | Lab File ID: X3172.D

Analysis Method: 8270D | Date Collected: 12/12/2012 09:20

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

Sample wt/vol: 000030.2(g) | Date Analyzed: 12/19/2012 18:29

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

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

% Moisture: 8.0 | 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	57.2		36	12
95-48-7	2-Methylphenol	44.1		36	11
95-50-1	1,2-Dichlorobenzene	55.4		36	11
108-60-1	2,2'-oxybis[1-chloropropane]	50.7		36	11
98-86-2	Acetophenone	ND		36	11
111-44-4	Bis(2-chloroethyl)ether	55.6		36	11
56-55-3	Benzo[a]anthracene	52.7		36	11
193-39-5	Indeno[1,2,3-cd]pyrene	30.9	J	36	11
85-68-7	Butyl benzyl phthalate	67.4		36	11
218-01-9	Chrysene	74.8		36	11
83-32-9	Acenaphthene	56.8		36	11
205-99-2	Benzo[b]fluoranthene	54.1		36	11
100-02-7	4-Nitrophenol	ND		180	15
106-47-8	4-Chloroaniline	ND		72	32
95-57-8	2-Chlorophenol	56.5		36	11
606-20-2	2,6-Dinitrotoluene	ND		36	30
108-95-2	Phenol	41.3		36	11
15831-10-4	3 & 4 Methylphenol	43.5		36	11
106-46-7	1,4-Dichlorobenzene	53.3		36	11
111-91-1	Bis(2-chloroethoxy)methane	53.3		36	11
91-58-7	2-Chloronaphthalene	35.8	J	36	11
621-64-7	N-Nitrosodi-n-propylamine	55.1		36	11
7005-72-3	4-Chlorophenyl phenyl ether	60.2		36	11
59-50-7	4-Chloro-3-methylphenol	ND		72	11
50-32-8	Benzo[a]pyrene	36.9		36	11
106-44-5	4-Methylphenol	43.5		36	11
100-01-6	4-Nitroaniline	ND		180	30
88-74-4	2-Nitroaniline	ND		180	45
105-60-2	Caprolactam	ND		36	11
86-74-8	Carbazole	ND		36	11
534-52-1	4,6-Dinitro-2-methylphenol	ND		180	35
90-12-0	1-Methylnaphthalene	66.9		36	11
86-30-6	N-Nitrosodiphenylamine	27.0	J	36	11
1912-24-9	Atrazine	ND		36	11

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30106-1

SDG No.:

Client Sample ID: OC-SB-514-15/17-XXX MS | Lab Sample ID: 480-30106-6 MS

Matrix: Solid | Lab File ID: X3172.D

Analysis Method: 8270D | Date Collected: 12/12/2012 09:20

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

Sample wt/vol: 000030.2(g) | Date Analyzed: 12/19/2012 18:29

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

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

% Moisture: 8.0 | 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		36	11
100-52-7	Benzaldehyde	ND		36	11
103-33-3	Azobenzene	69.5		36	11
77-47-4	Hexachlorocyclopentadiene	ND		72	11
99-09-2	3-Nitroaniline	ND		180	11
62-75-9	N-Nitrosodimethylamine	ND		36	11
100-51-6	Benzyl alcohol	ND		72	11
92-52-4	1,1'-Biphenyl	44.9		36	11
58-90-2	2,3,4,6-Tetrachlorophenol	ND		36	11
119-61-9	Benzophenone	ND		36	11
65-85-0	Benzoic acid	ND		180	16
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		36	11

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	71		30-130
367-12-4	2-Fluorophenol	70		30-130
4165-60-0	Nitrobenzene-d5	67		30-130
4165-62-2	Phenol-d5	77		30-130
321-60-8	2-Fluorobiphenyl	77		30-130
1718-51-0	p-Terphenyl-d14	104		30-130

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3172.D
Lims ID: 480-30106-B-6-B MS
Client ID: OC-SB-514-15/17-XMS
Inject. Date: 19-Dec-2012 18:29:30
Dil. Factor: 1.0000
Sample Type: MS
Sample ID: 480-0017692-019
Misc. Info.:
Operator: ANM
Instrument ID: HP5973X
Injection Vol: 1.0 ul
ALS Bottle#: 20
Lims Batch ID: 96568
Lims Sample ID: 19
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 09:37:58

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.565	6.546	0.019	87	242394	5.00	
* 2 Naphthalene-d8	136	8.453	8.482	-0.029	97	905268	5.00	
* 3 Acenaphthene-d10	164	11.107	11.107	0.0	87	550321	5.00	
* 4 Phenanthrene-d10	188	13.114	13.104	0.010	96	848530	5.00	
* 5 Chrysene-d12	240	15.758	15.753	0.005	97	530080	5.00	
* 6 Perylene-d12	264	17.037	17.037	0.0	97	523793	5.00	
$ 7 2-Fluorophenol	112	4.701	4.620	0.081	0	77318	1.41	M
$ 8 Phenol-d5	99	6.114	6.056	0.058	0	103427	1.54	M
$ 9 Nitrobenzene-d5	82	7.402	7.407	-0.005	79	90296	1.33	
$ 10 2-Fluorobiphenyl	172	10.122	10.122	0.0	88	213279	1.54	
$ 11 2,4,6-Tribromophenol	330	12.286	12.257	0.029	0	22281	1.43	M
$ 12 p-Terphenyl-d14	244	14.788	14.778	0.010	96	212309	2.08	
19 N-Nitrosodimethylamine	42		2.718					
21 Benzaldehyde	77		5.895					
23 Aniline	93	6.104	6.066	0.038	89	91968	1.04	
22 Phenol	94	6.128	6.075	0.053	46	84853	1.15	
24 Bis(2-chloroethyl)ether	93	6.194	6.170	0.024	85	89755	1.54	
25 2-Chlorophenol	128	6.275	6.237	0.038	92	98655	1.57	
26 1,3-Dichlorobenzene	146	6.475	6.456	0.019	91	104416	1.34	
27 1,4-Dichlorobenzene	146	6.589	6.575	0.014	62	115226	1.48	
29 1,2-Dichlorobenzene	146	6.808	6.798	0.010	82	111656	1.54	
28 Benzyl alcohol	108		6.803					
31 2-Methylphenol	108	7.003	6.988	0.015	57	64512	1.22	
32 2,2'-oxybis[1-chloropropane]	45	6.998	6.998	0.0	75	133076	1.41	
33 Acetophenone	105		7.179					
34 N-Nitrosodi-n-propylamine	70	7.188	7.193	-0.005	52	69175	1.53	
35 DFTPP								
36 4-Methylphenol	108	7.003	7.245	-0.242	51	64512	1.21	
37 Hexachloroethane	117	7.293	7.302	-0.009	88	46293	1.45	
38 Nitrobenzene	77	7.431	7.435	-0.004	73	116724	1.66	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
40 Isophorone	82	7.787	7.806	-0.019	71	189166	1.63	
41 2-Nitrophenol	139	7.906	7.925	-0.019	64	33437	1.04	
43 2,4-Dimethylphenol	107	8.049	8.039	0.010	75	70535	1.17	
45 Bis(2-chloroethoxy)methane	93	8.139	8.163	-0.024	92	101745	1.48	
44 Benzoic acid	105		8.220					
47 2,4-Dichlorophenol	162	8.344	8.315	0.029	51	43306	0.8800	M
48 1,2,4-Trichlorobenzene	180	8.382	8.405	-0.023	96	89357	1.48	
49 Naphthalene	128	8.487	8.515	-0.028	58	304495	1.52	
51 4-Chloroaniline	127	8.648	8.643	0.005	82	51350	0.7077	M
52 Hexachlorobutadiene	225	8.682	8.715	-0.033	73	48152	1.46	
54 Caprolactam	113		9.185					
55 4-Chloro-3-methylphenol	107		9.442					
56 2-Methylnaphthalene	142	9.552	9.566	-0.014	78	240659	1.71	
57 1-Methylnaphthalene	142	9.552	9.704	-0.152	86	240659	1.86	
58 Hexachlorocyclopentadiene	237	9.780	9.794	-0.014	1	1178	0.0676	
59 1,2,4,5-Tetrachlorobenzene	216		9.813					
60 2,4,6-Trichlorophenol	196	10.046	10.018	0.028	58	39270	1.24	
61 2,4,5-Trichlorophenol	196	10.046	10.103	-0.057	50	39270	1.28	
62 1,1'-Biphenyl	154	11.159	10.265	0.894	75	198756	1.25	
63 2-Chloronaphthalene	162	10.294	10.312	-0.018	91	182294	1.00	
64 Phenyl ether	170	10.436	10.427	0.009	62	17959	0.2075	
65 2-Nitroaniline	65	10.527	10.484	0.043	66	19094	0.5239	
67 Dimethyl phthalate	163	10.779	10.764	0.015	90	223592	1.57	
68 2,6-Dinitrotoluene	165	10.874	10.850	0.024	72	41286	0.6395	
69 Acenaphthylene	152	10.898	10.893	0.005	76	295662	1.54	
70 3-Nitroaniline	138		11.111					
71 Acenaphthene	153	11.159	11.154	0.005	84	211703	1.58	
72 2,4-Dinitrophenol	184		11.283					
73 Dibenzofuran	168	11.430	11.416	0.014	98	263913	1.61	
74 2,4-Dinitrotoluene	165	11.511	11.459	0.052	65	44374	1.08	
75 4-Nitrophenol	109		11.487					
76 2,3,4,6-Tetrachlorophenol	232		11.635					
78 Diethyl phthalate	149	11.820	11.810	0.010	89	248129	1.59	
79 Fluorene	166	11.930	11.915	0.015	74	237649	1.59	
80 4-Chlorophenyl phenyl ether	204	11.944	11.934	0.010	90	110731	1.67	
81 4-Nitroaniline	138		12.015					
82 4,6-Dinitro-2-methylphenol	198		12.043					
83 N-Nitrosodiphenylamine	169	12.125	12.105	0.020	92	148223	0.7512	
16 1,2-Diphenylhydrazine	77	12.163	12.148	0.015	96	245942	1.93	
85 Azobenzene	77	12.163	12.148	0.015	94	245942	1.93	
86 Benzophenone	105		12.172					
89 4-Bromophenyl phenyl ether	248	12.586	12.571	0.015	77	59492	1.87	
91 Hexachlorobenzene	284	12.643	12.633	0.010	71	63449	1.95	
93 Atrazine	200		12.823					
94 Pentachlorophenol	266		12.904					
97 Phenanthrene	178	13.142	13.128	0.014	90	355579	1.88	
98 Anthracene	178	13.209	13.190	0.019	87	339129	1.76	
99 Carbazole	167		13.399					
102 Di-n-butyl phthalate	149	13.794	13.784	0.010	94	377486	1.82	
104 Fluoranthene	202	14.421	14.407	0.014	92	283703	1.51	
106 Pyrene	202	14.421	14.631	-0.209	97	294114	2.07	
108 Butyl benzyl phthalate	149	15.230	15.230	0.0	87	147103	1.87	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
109 3,3'-Dichlorobenzidine	252	15.744	15.724	0.020	1	53107	1.12	
110 Bis(2-ethylhexyl) phthalate	149	15.725	15.729	-0.005	95	207698	1.92	
111 Benzo[a]anthracene	228	15.748	15.743	0.005	0	167339	1.47	M
112 Chrysene	228	15.782	15.777	0.005	0	269318	2.08	M
113 Di-n-octyl phthalate	149	16.262	16.266	-0.004	92	283468	1.66	
114 Benzo[b]fluoranthene	252	16.685	16.680	0.005	0	182759	1.50	M
115 Benzo[k]fluoranthene	252	16.709	16.704	0.005	0	245762	1.96	M
116 Benzo[a]pyrene	252	16.994	16.985	0.009	64	120618	1.03	
117 Indeno[1,2,3-cd]pyrene	276	18.459	18.126	0.333	83	107860	0.8592	
118 Dibenz(a,h)anthracene	278	18.150	18.126	0.024	48	185254	1.74	
119 Benzo[g,h,i]perylene	276	18.155	18.444	-0.289	78	201832	1.93	
S 120 3 & 4 Methylphenol	108		0.000					

QC Flag Legend

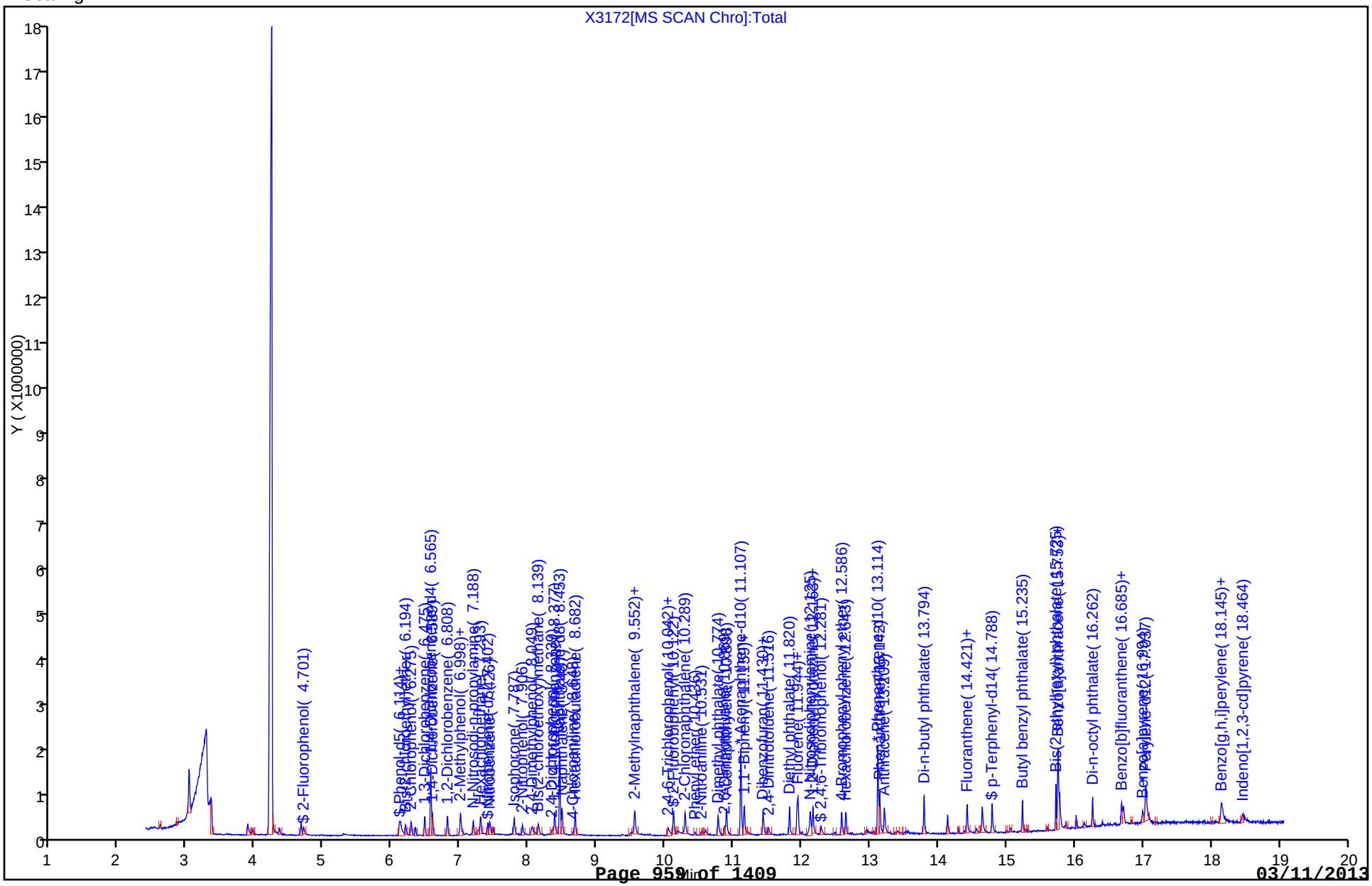
Review Flags
M - Manually Integrated

Report Date: 09-Mar-2013 09:48:29 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3172.D		
Injection Date:	19-Dec-2012 18:29:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-514-15/17-XMS	Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	19
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

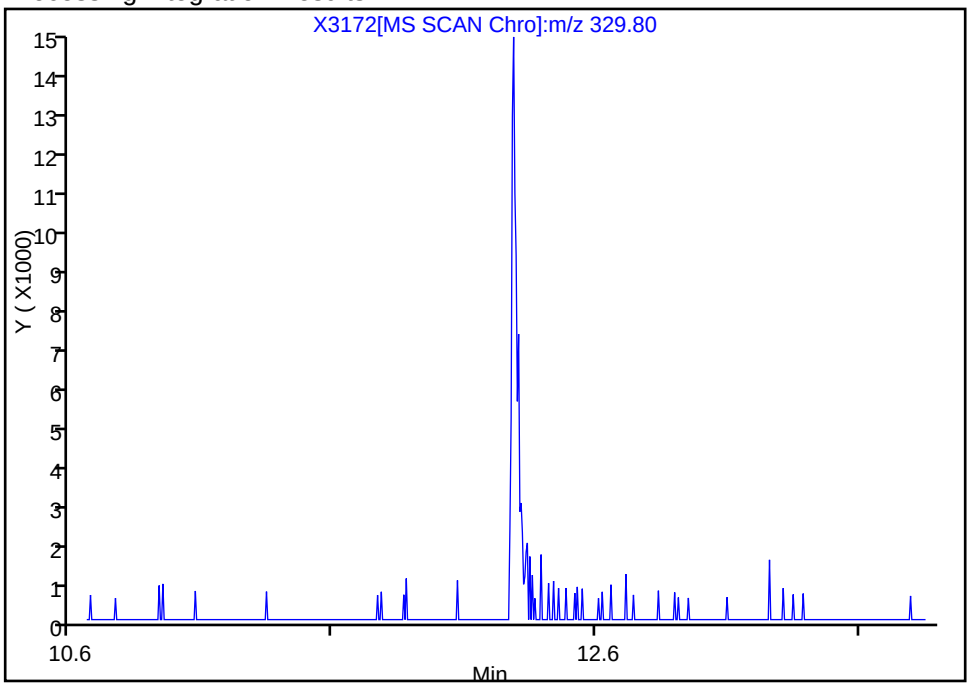
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3172.D		
Injection Date:	19-Dec-2012 18:29:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-514-15/17-XMS	Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	19
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

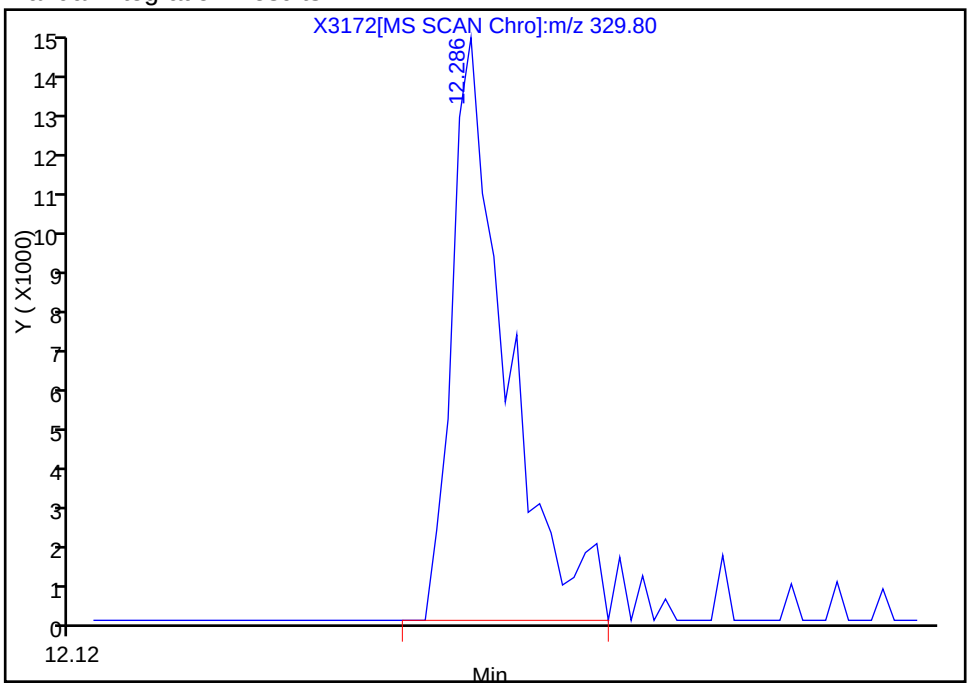
Processing Integration Results

Not Detected
Expected RT: 12.26



Manual Integration Results

RT: 12.29
Response: 22281
Amount: 1.427390



Reviewer: mckernar, 20-Dec-2012 09:37:58
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

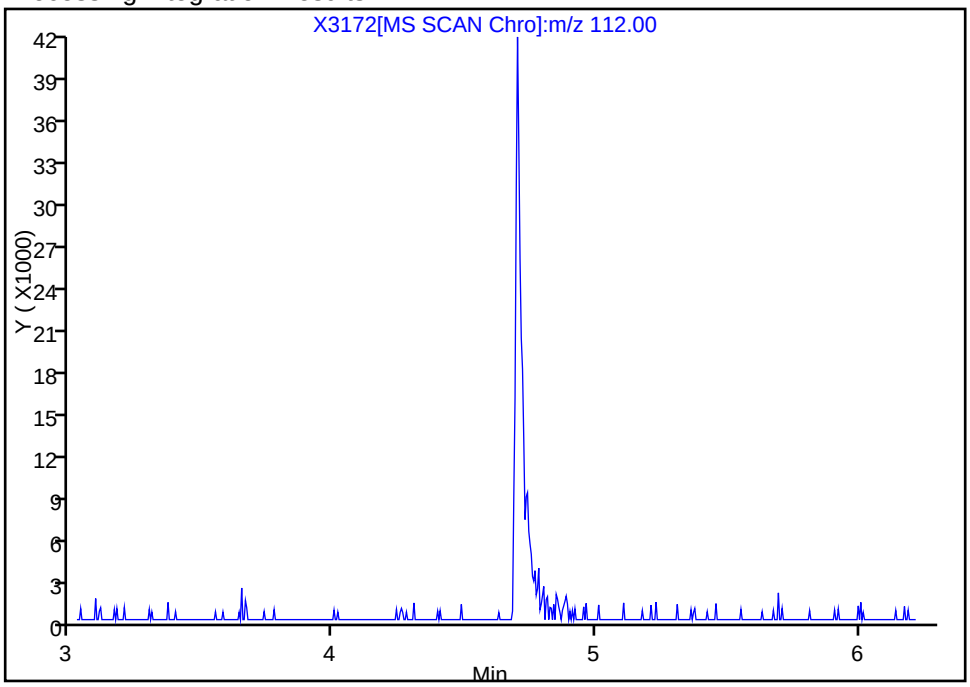
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3172.D		
Injection Date:	19-Dec-2012 18:29:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-514-15/17-XMS	Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	19
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

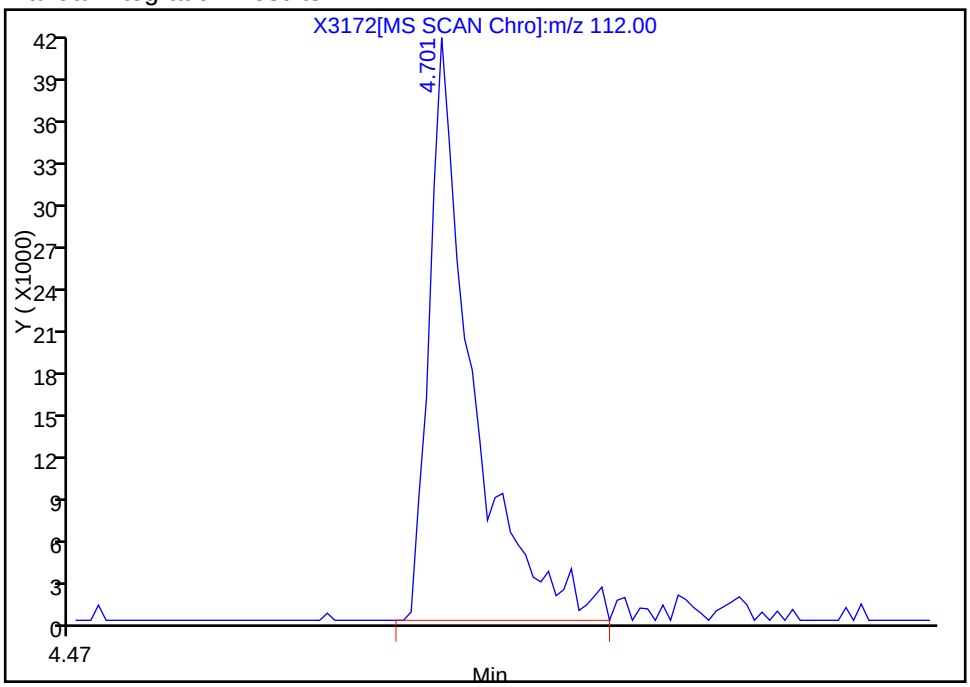
Processing Integration Results

Not Detected
Expected RT: 4.62



Manual Integration Results

RT: 4.70
Response: 77318
Amount: 1.405607



Reviewer: mckernar, 20-Dec-2012 09:37:58
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

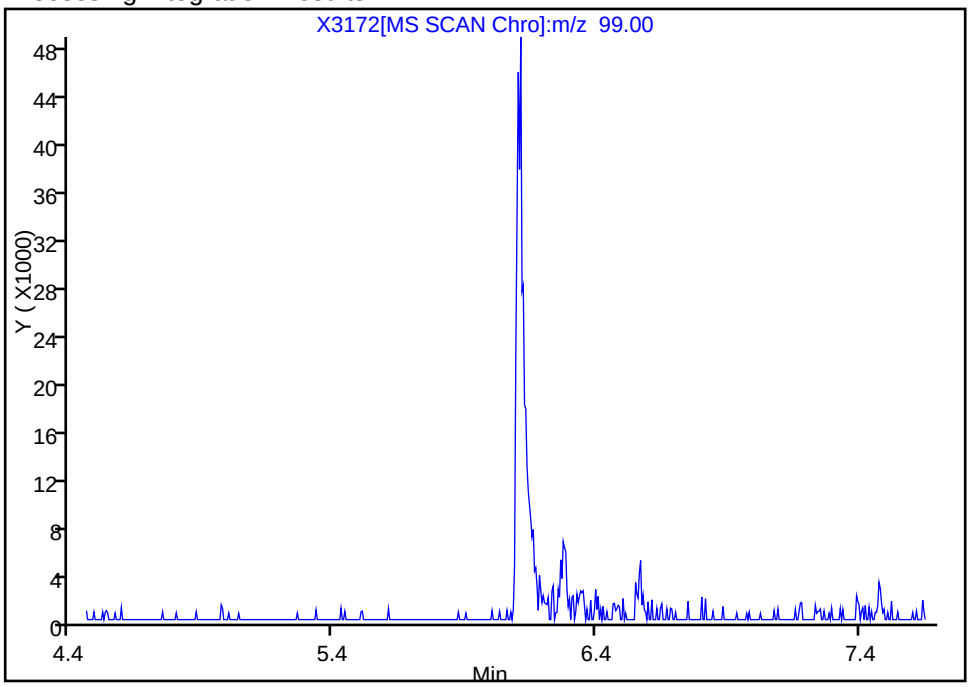
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3172.D		
Injection Date:	19-Dec-2012 18:29:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-514-15/17-XMS	Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	19
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

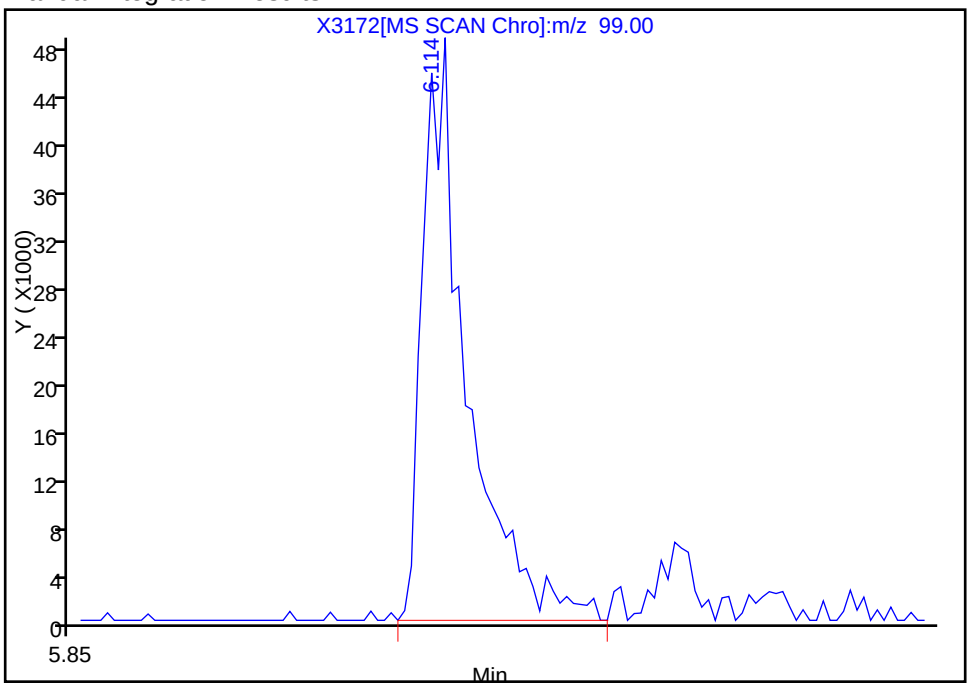
Processing Integration Results

Not Detected
Expected RT: 6.06



Manual Integration Results

RT: 6.11
Response: 103427
Amount: 1.544891



Reviewer: mckernar, 20-Dec-2012 09:37:58
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

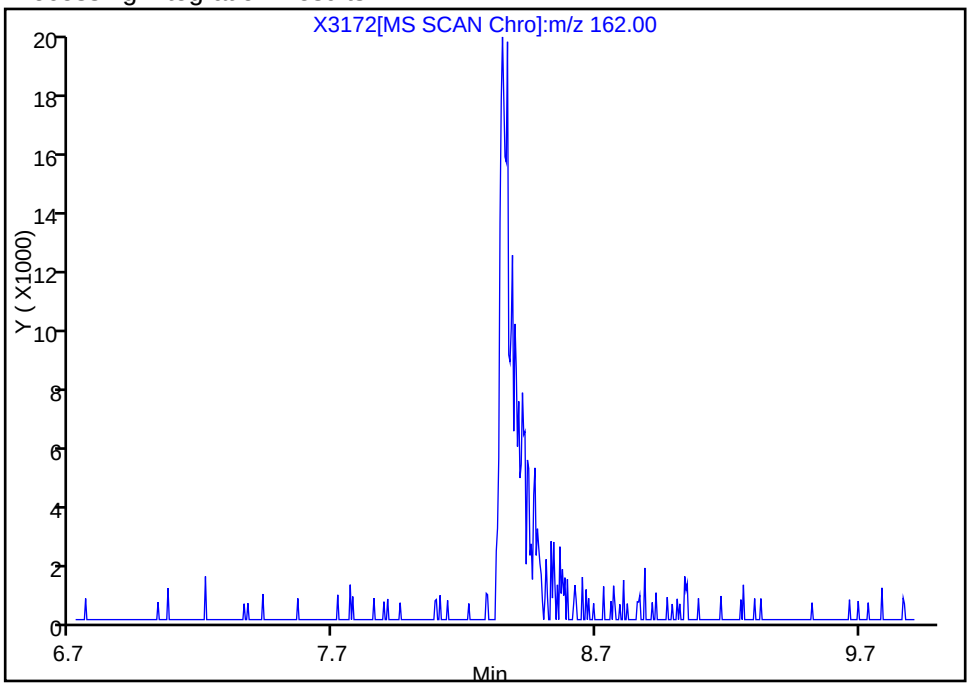
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3172.D		
Injection Date:	19-Dec-2012 18:29:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-514-15/17-XMS	Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	19
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

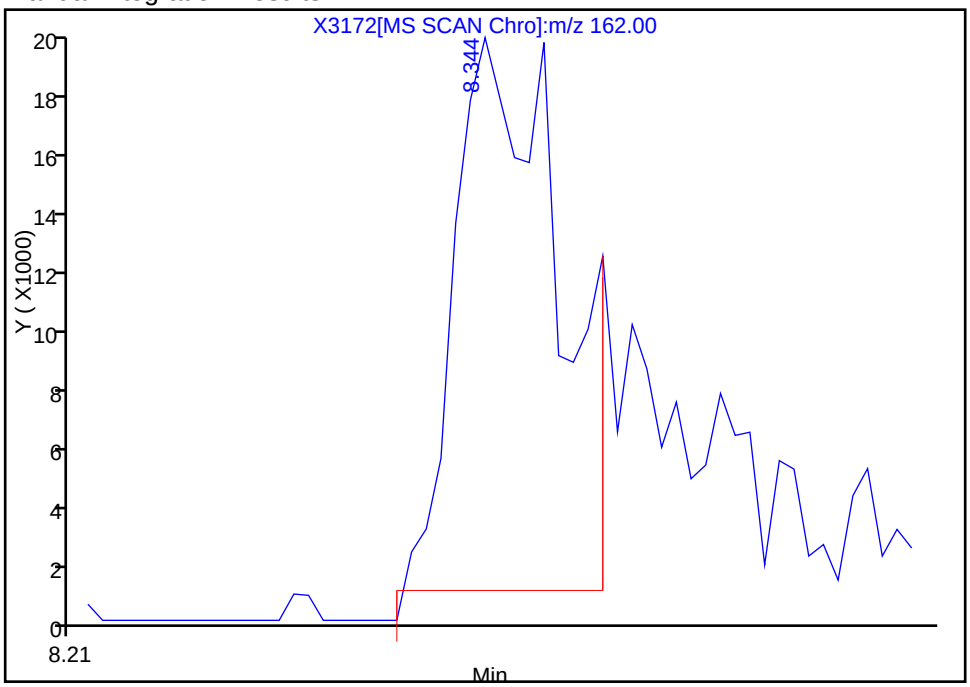
Processing Integration Results

Not Detected
Expected RT: 8.32



Manual Integration Results

RT: 8.34
Response: 43306
Amount: 0.879975



Reviewer: mckernar, 20-Dec-2012 10:26:20
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Report Date: 09-Mar-2013 09:48:30 Chrom Revision: 2.0 01-Feb-2013 10:03:10

Manual Integration/User Assign Peak Report

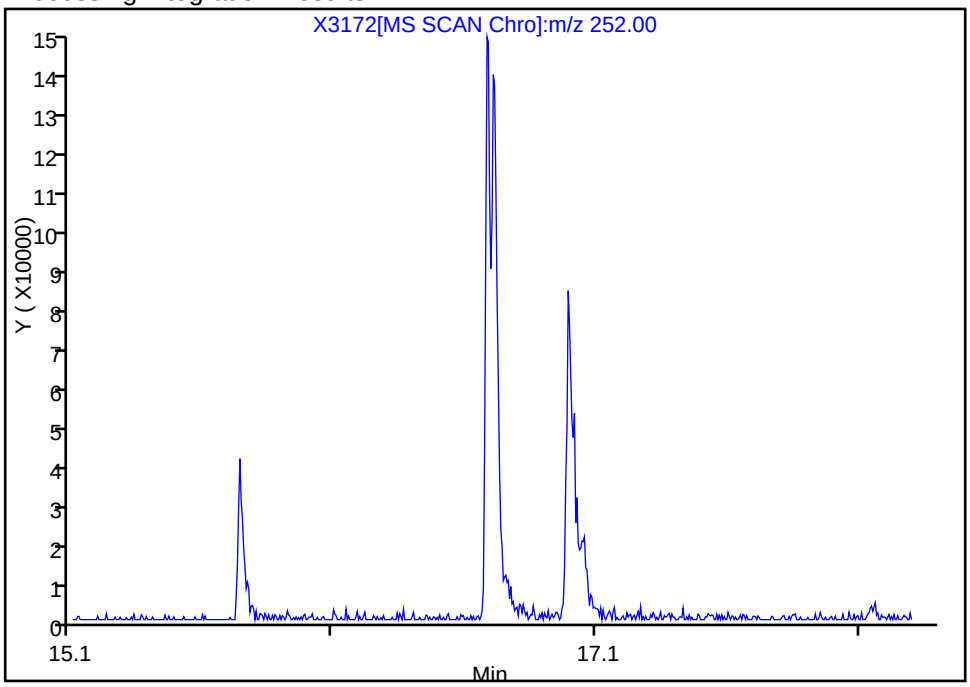
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3172.D		
Injection Date:	19-Dec-2012 18:29:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-514-15/17-XMS	Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	19
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: 16.70

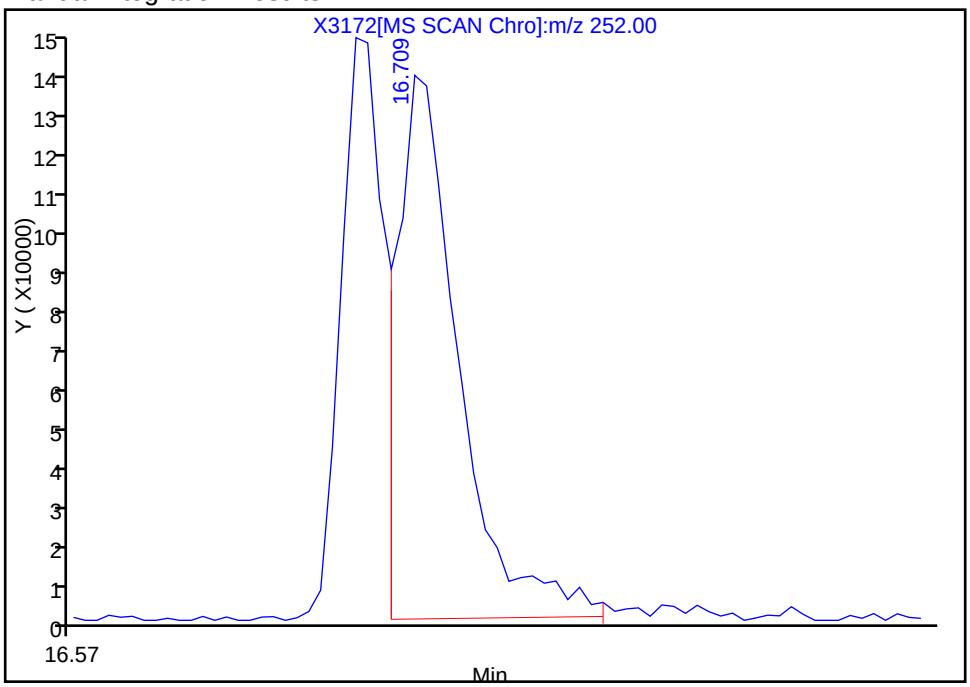
Processing Integration Results

Not Detected
Expected RT: 16.70



Manual Integration Results

RT: 16.71
Response: 245762
Amount: 1.960714



Reviewer: mckernar, 20-Dec-2012 10:26:20
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Report Date: 09-Mar-2013 09:48:29 Chrom Revision: 2.0 01-Feb-2013 10:03:10

Manual Integration/User Assign Peak Report

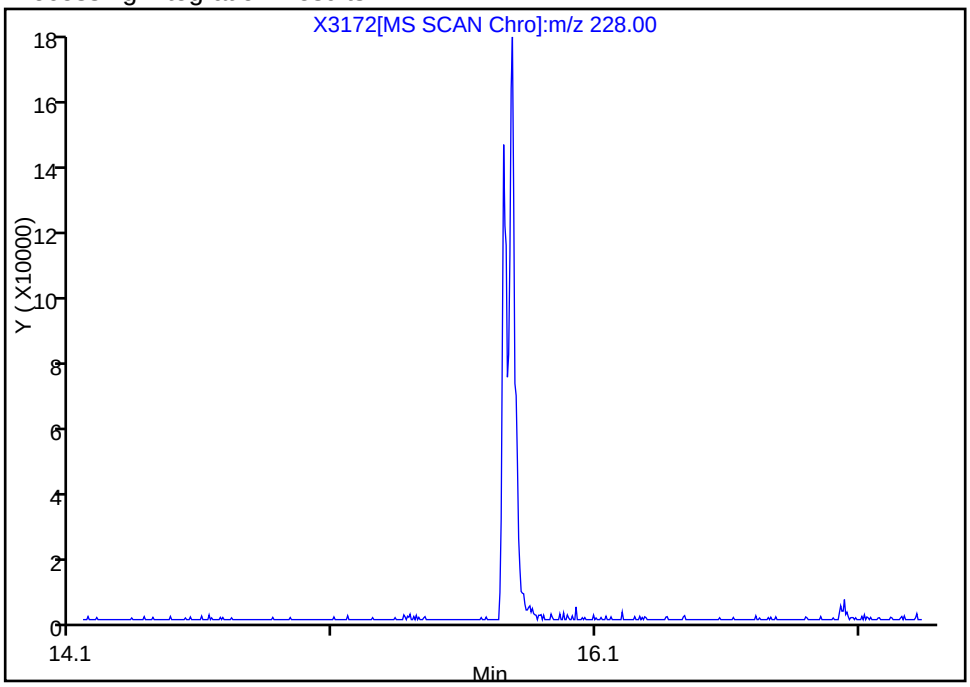
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3172.D		
Injection Date:	19-Dec-2012 18:29:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-514-15/17-XMS	Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	19
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

111 Benzo[a]anthracene, Signal: 1, m/z: 228.0 Type: quant, RT: 15.74

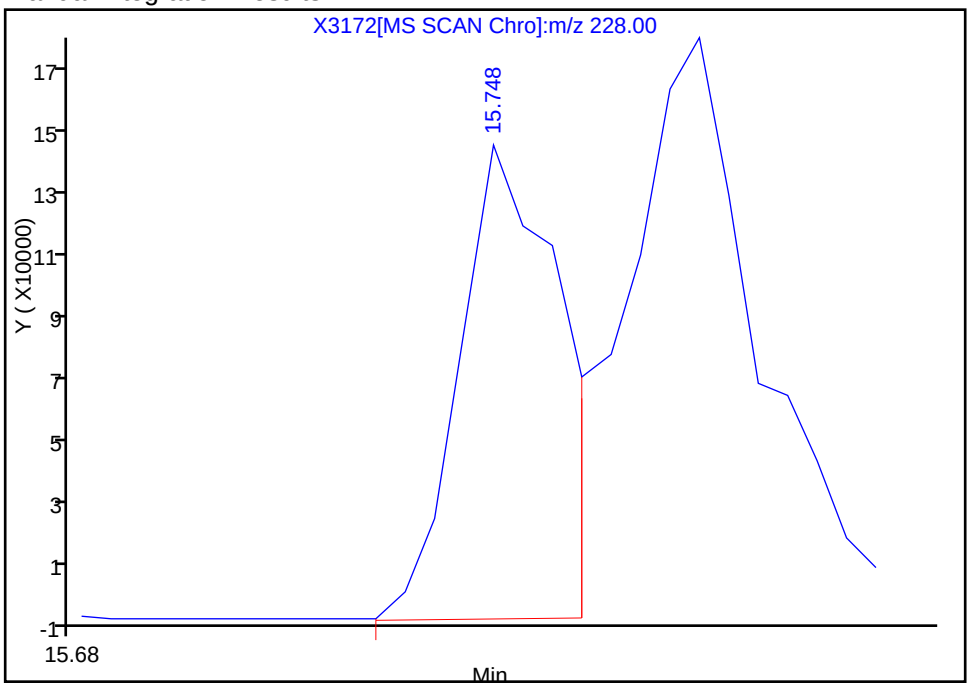
Processing Integration Results

Not Detected
Expected RT: 15.74



Manual Integration Results

RT: 15.75
Response: 167339
Amount: 1.465356



Reviewer: mckernar, 20-Dec-2012 10:26:20
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

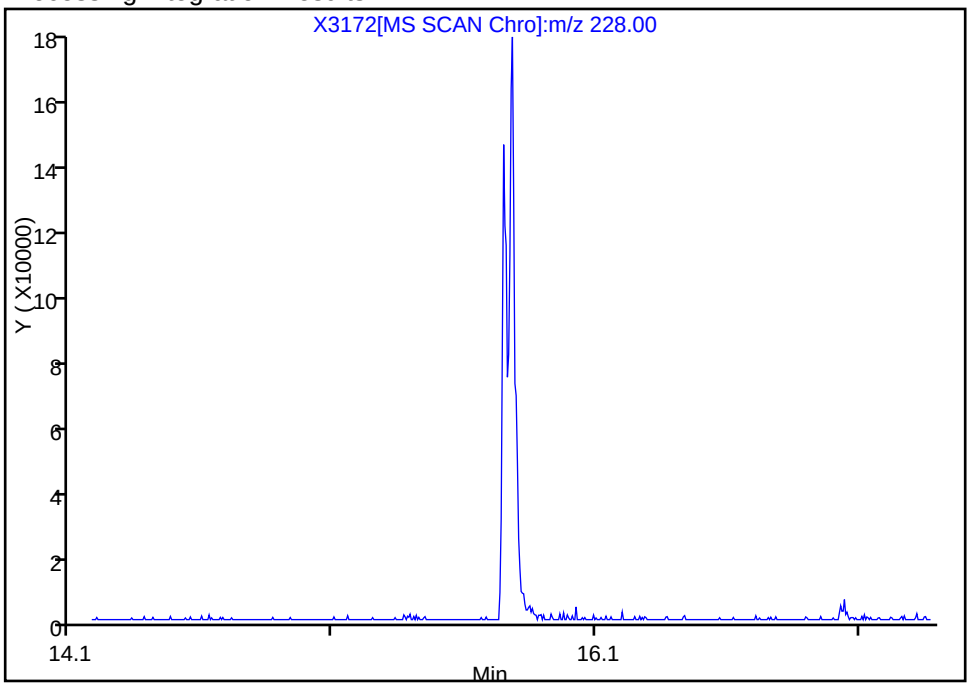
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3172.D		
Injection Date:	19-Dec-2012 18:29:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-514-15/17-XMS	Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	19
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

112 Chrysene, Signal: 1, m/z: 228.0 Type: quant, RT: 15.78

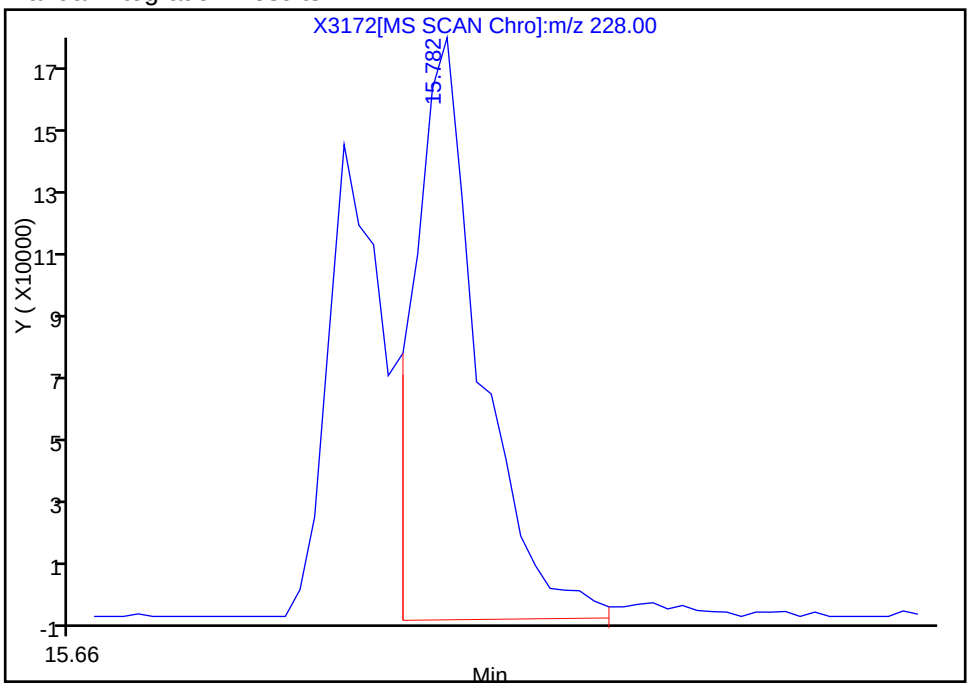
Processing Integration Results

Not Detected
Expected RT: 15.78



Manual Integration Results

RT: 15.78
Response: 269318
Amount: 2.079050



Reviewer: mckernar, 20-Dec-2012 10:26:20
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

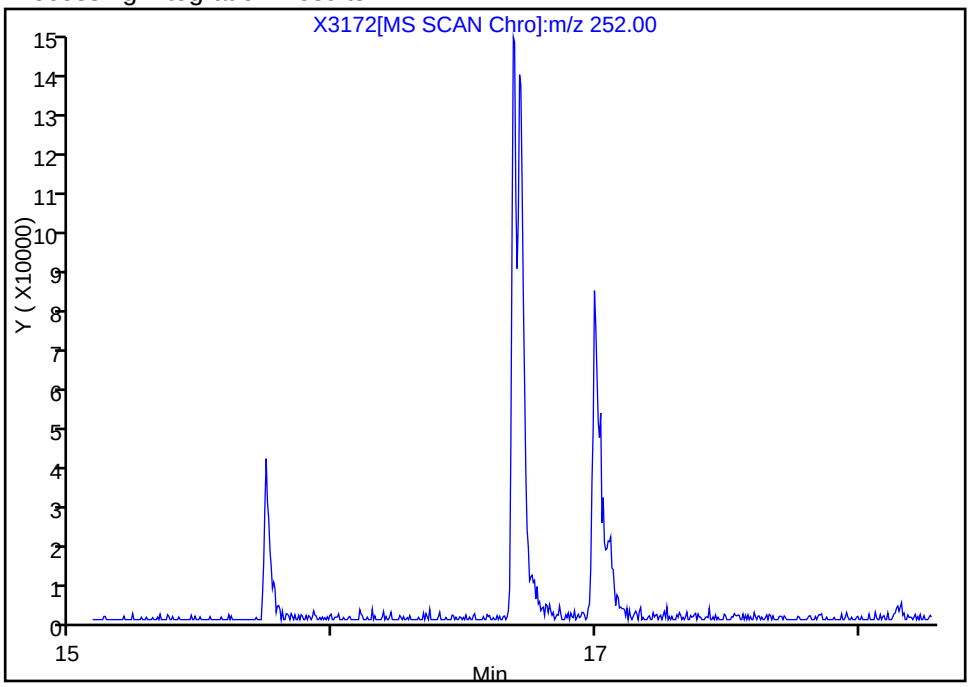
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3172.D		
Injection Date:	19-Dec-2012 18:29:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-514-15/17-XMS	Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	19
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

114 Benzo[b]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 16.68

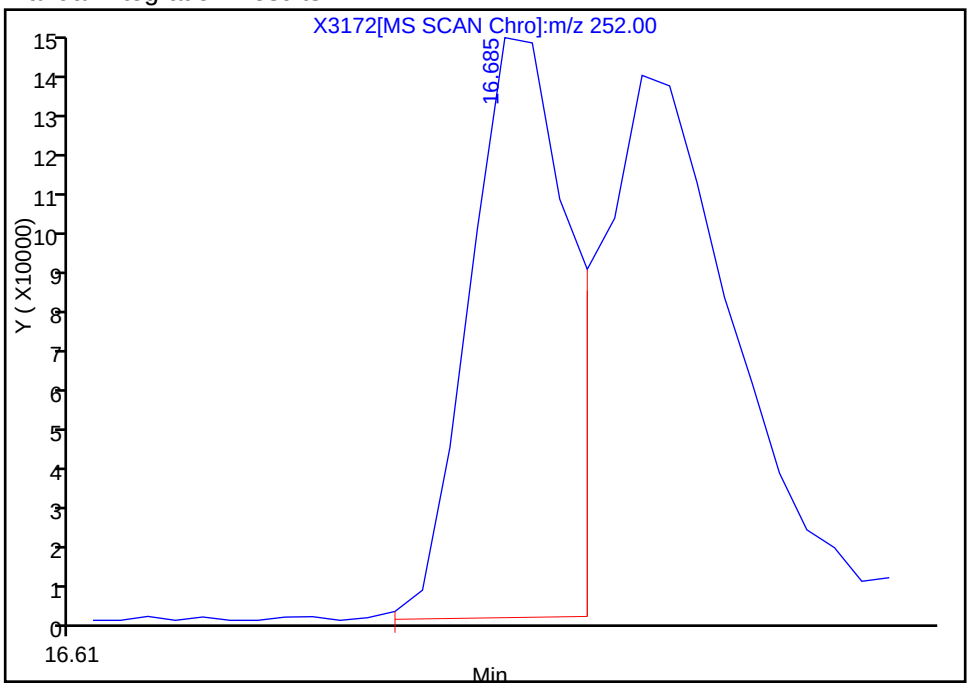
Processing Integration Results

Not Detected
Expected RT: 16.68



Manual Integration Results

RT: 16.69
Response: 182759
Amount: 1.502426



Reviewer: mckernar, 20-Dec-2012 10:26:20
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

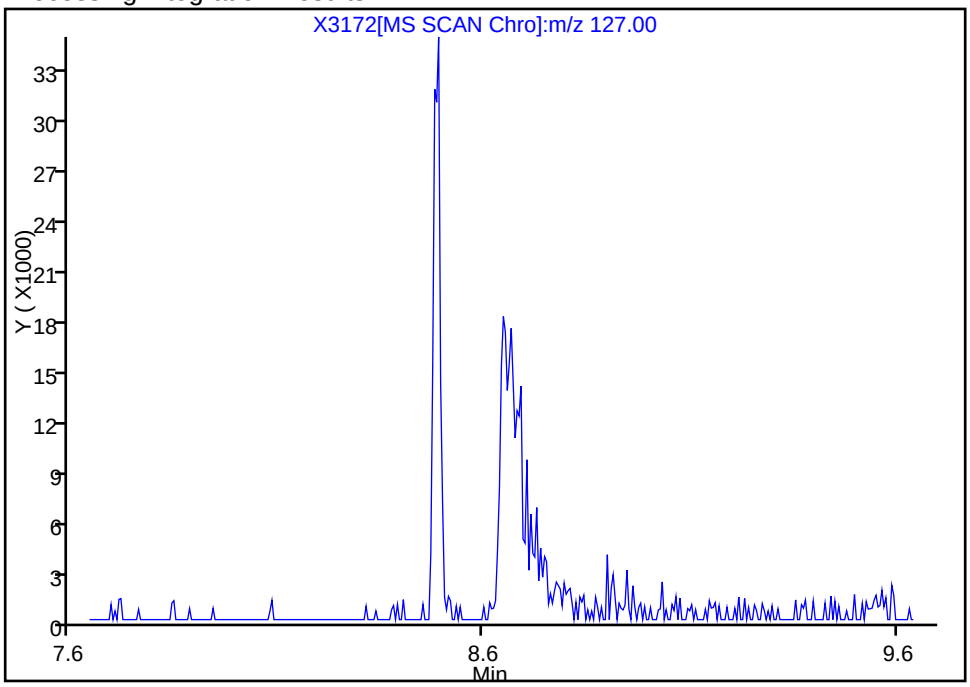
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3172.D		
Injection Date:	19-Dec-2012 18:29:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-514-15/17-XMS	Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	19
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

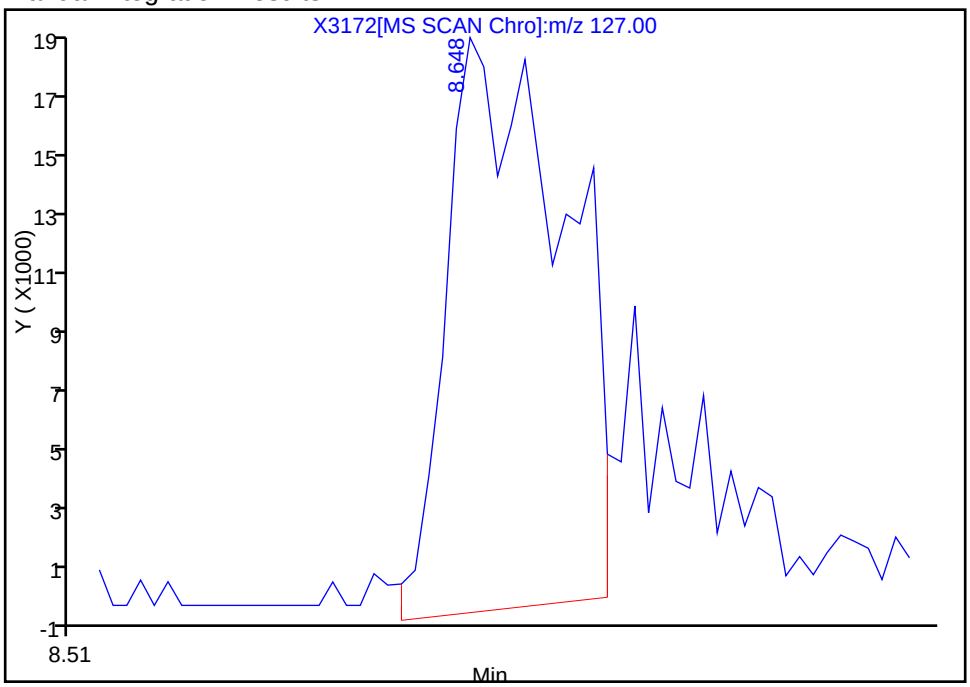
Processing Integration Results

Not Detected
Expected RT: 8.64



Manual Integration Results

RT: 8.65
Response: 51350
Amount: 0.707691



Reviewer: mckernar, 20-Dec-2012 10:26:20
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30106-1

SDG No.:

Client Sample ID: OC-SB-514-15/17-XXX MSD | Lab Sample ID: 480-30106-6 MSD

Matrix: Solid | Lab File ID: X3173.D

Analysis Method: 8270D | Date Collected: 12/12/2012 09:20

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

Sample wt/vol: 000030.4(g) | Date Analyzed: 12/19/2012 18:55

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

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

% Moisture: 8.0 | 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	74.3	J	180	72
95-95-4	2,4,5-Trichlorophenol	ND		36	12
62-53-3	Aniline	36.8		36	11
67-72-1	Hexachloroethane	49.1		36	11
131-11-3	Dimethyl phthalate	53.4		36	11
105-67-9	2,4-Dimethylphenol	42.7		36	11
78-59-1	Isophorone	51.9		36	11
86-73-7	Fluorene	53.3		36	11
132-64-9	Dibenzofuran	59.6		36	11
208-96-8	Acenaphthylene	58.4		36	11
120-83-2	2,4-Dichlorophenol	24.2	J	36	11
191-24-2	Benzo[g,h,i]perylene	60.5		36	11
118-74-1	Hexachlorobenzene	56.0		36	11
117-84-0	Di-n-octyl phthalate	56.0		36	11
87-68-3	Hexachlorobutadiene	51.5		36	11
85-01-8	Phenanthrene	58.4		36	11
88-75-5	2-Nitrophenol	43.4		36	14
207-08-9	Benzo[k]fluoranthene	60.3		36	18
51-28-5	2,4-Dinitrophenol	ND		36	29
120-12-7	Anthracene	57.1		36	11
91-57-6	2-Methylnaphthalene	60.4		36	11
84-74-2	Di-n-butyl phthalate	61.0	J	180	54
120-82-1	1,2,4-Trichlorobenzene	47.3		36	11
129-00-0	Pyrene	68.4		36	11
121-14-2	2,4-Dinitrotoluene	41.2		36	11
53-70-3	Dibenz(a,h)anthracene	53.0		36	11
541-73-1	1,3-Dichlorobenzene	46.1		36	11
98-95-3	Nitrobenzene	52.9		36	11
91-20-3	Naphthalene	50.6		36	11
88-06-2	2,4,6-Trichlorophenol	37.3		36	15
87-86-5	Pentachlorophenol	ND		36	11
206-44-0	Fluoranthene	50.8		36	11
91-94-1	3,3'-Dichlorobenzidine	37.4	J	72	13
101-55-3	4-Bromophenyl phenyl ether	60.6		36	11

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30106-1

SDG No.:

Client Sample ID: OC-SB-514-15/17-XXX MSD | Lab Sample ID: 480-30106-6 MSD

Matrix: Solid | Lab File ID: X3173.D

Analysis Method: 8270D | Date Collected: 12/12/2012 09:20

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

Sample wt/vol: 000030.4(g) | Date Analyzed: 12/19/2012 18:55

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

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

% Moisture: 8.0 | 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	56.8		36	12
95-48-7	2-Methylphenol	45.9		36	11
95-50-1	1,2-Dichlorobenzene	49.5		36	11
108-60-1	2,2'-oxybis[1-chloropropane]	49.3		36	11
98-86-2	Acetophenone	ND		36	11
111-44-4	Bis(2-chloroethyl)ether	60.4		36	11
56-55-3	Benzo[a]anthracene	50.0		36	11
193-39-5	Indeno[1,2,3-cd]pyrene	50.4		36	11
85-68-7	Butyl benzyl phthalate	64.8		36	11
218-01-9	Chrysene	69.7		36	11
83-32-9	Acenaphthene	49.5		36	11
205-99-2	Benzo[b]fluoranthene	51.4		36	11
100-02-7	4-Nitrophenol	ND		180	15
106-47-8	4-Chloroaniline	ND		72	32
95-57-8	2-Chlorophenol	51.8		36	11
606-20-2	2,6-Dinitrotoluene	ND		36	30
108-95-2	Phenol	ND		36	11
15831-10-4	3 & 4 Methylphenol	33.6	J	36	11
106-46-7	1,4-Dichlorobenzene	46.2		36	11
111-91-1	Bis(2-chloroethoxy)methane	51.0		36	11
91-58-7	2-Chloronaphthalene	32.7	J	36	11
621-64-7	N-Nitrosodi-n-propylamine	52.2		36	11
7005-72-3	4-Chlorophenyl phenyl ether	59.8		36	11
59-50-7	4-Chloro-3-methylphenol	11.5	J	72	11
50-32-8	Benzo[a]pyrene	39.7		36	11
106-44-5	4-Methylphenol	33.6	J	36	11
100-01-6	4-Nitroaniline	ND		180	30
88-74-4	2-Nitroaniline	ND		180	45
105-60-2	Caprolactam	ND		36	11
86-74-8	Carbazole	ND		36	11
534-52-1	4,6-Dinitro-2-methylphenol	ND		180	34
90-12-0	1-Methylnaphthalene	ND		36	11
86-30-6	N-Nitrosodiphenylamine	25.9	J	36	11
1912-24-9	Atrazine	ND		36	11

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30106-1

SDG No.:

Client Sample ID: OC-SB-514-15/17-XXX MSD | Lab Sample ID: 480-30106-6 MSD

Matrix: Solid | Lab File ID: X3173.D

Analysis Method: 8270D | Date Collected: 12/12/2012 09:20

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

Sample wt/vol: 000030.4(g) | Date Analyzed: 12/19/2012 18:55

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

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

% Moisture: 8.0 | 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		36	11
100-52-7	Benzaldehyde	ND		36	11
103-33-3	Azobenzene	61.5		36	11
77-47-4	Hexachlorocyclopentadiene	ND		72	11
99-09-2	3-Nitroaniline	ND		180	11
62-75-9	N-Nitrosodimethylamine	ND		36	11
100-51-6	Benzyl alcohol	ND		72	11
92-52-4	1,1'-Biphenyl	41.6		36	11
58-90-2	2,3,4,6-Tetrachlorophenol	ND		36	11
119-61-9	Benzophenone	ND		36	11
65-85-0	Benzoic acid	ND		180	16
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		36	11

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	73		30-130
367-12-4	2-Fluorophenol	63		30-130
4165-60-0	Nitrobenzene-d5	66		30-130
4165-62-2	Phenol-d5	70		30-130
321-60-8	2-Fluorobiphenyl	72		30-130
1718-51-0	p-Terphenyl-d14	98		30-130

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3173.D
Lims ID: 480-30106-B-6-C MSD Client ID: OC-SB-514-15/17-MDS
Inject. Date: 19-Dec-2012 18:55:30 Dil. Factor: 1.0000
Sample Type: MSD
Sample ID: 480-0017692-020
Misc. Info.:
Operator: ANM Instrument ID: HP5973X
Injection Vol: 1.0 ul ALS Bottle#: 21
Lims Batch ID: 96568 Lims Sample ID: 20
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 09:38:18

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.570	6.546	0.024	88	271957	5.00	
* 2 Naphthalene-d8	136	8.458	8.482	-0.024	96	1019549	5.00	
* 3 Acenaphthene-d10	164	11.093	11.107	-0.014	90	635719	5.00	
* 4 Phenanthrene-d10	188	13.109	13.104	0.005	97	1039831	5.00	
* 5 Chrysene-d12	240	15.748	15.753	-0.005	96	653050	5.00	
* 6 Perylene-d12	264	17.037	17.037	0.0	97	600566	5.00	
$ 7 2-Fluorophenol	112	4.715	4.620	0.095	67	78022	1.26	
$ 8 Phenol-d5	99	6.123	6.056	0.067	87	105131	1.40	
$ 9 Nitrobenzene-d5	82	7.407	7.407	0.0	82	101033	1.32	
$ 10 2-Fluorobiphenyl	172	10.108	10.122	-0.014	91	228592	1.43	
$ 11 2,4,6-Tribromophenol	330	12.277	12.257	0.020	35	28112	1.47	
$ 12 p-Terphenyl-d14	244	14.783	14.778	0.005	97	246703	1.96	
19 N-Nitrosodimethylamine	42		2.718					
21 Benzaldehyde	77		5.895					
23 Aniline	93	6.118	6.066	0.052	82	102602	1.03	
22 Phenol	94		6.075					
24 Bis(2-chloroethyl)ether	93	8.144	6.170	1.974	88	110296	1.69	
25 2-Chlorophenol	128	6.289	6.237	0.052	93	102037	1.45	
26 1,3-Dichlorobenzene	146	6.817	6.456	0.361	97	112766	1.29	
27 1,4-Dichlorobenzene	146	6.817	6.575	0.242	81	112766	1.29	
29 1,2-Dichlorobenzene	146	6.817	6.798	0.019	82	112766	1.39	
28 Benzyl alcohol	108		6.803					
31 2-Methylphenol	108	7.012	6.988	0.024	71	75848	1.28	M
32 2,2'-oxybis[1-chloropropane]	45	7.007	6.998	0.009	75	146380	1.38	
33 Acetophenone	105		7.179					
34 N-Nitrosodi-n-propylamine	70	7.193	7.193	0.0	45	74034	1.46	
35 DFTPP								
36 4-Methylphenol	108	7.279	7.245	0.034	71	56340	0.9410	
37 Hexachloroethane	117	7.298	7.302	-0.004	85	49297	1.37	
38 Nitrobenzene	77	7.435	7.435	0.0	74	117467	1.48	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
40 Isophorone	82	7.797	7.806	-0.009	70	189394	1.45	
41 2-Nitrophenol	139	7.911	7.925	-0.014	72	43799	1.21	
43 2,4-Dimethylphenol	107	8.054	8.039	0.015	70	81357	1.19	
45 Bis(2-chloroethoxy)methane	93	8.144	8.163	-0.019	90	110296	1.43	
44 Benzoic acid	105		8.220					
47 2,4-Dichlorophenol	162	8.353	8.315	0.038	65	37595	0.6783	
48 1,2,4-Trichlorobenzene	180	8.382	8.405	-0.023	90	90249	1.32	
49 Naphthalene	128	8.486	8.515	-0.029	85	319854	1.42	
51 4-Chloroaniline	127	8.648	8.643	0.005	65	52711	0.6450	
52 Hexachlorobutadiene	225	8.681	8.715	-0.034	74	53639	1.44	
54 Caprolactam	113		9.185					
55 4-Chloro-3-methylphenol	107	9.485	9.442	0.043	55	19689	0.3215	
56 2-Methylnaphthalene	142	9.547	9.566	-0.019	72	267430	1.69	
57 1-Methylnaphthalene	142		9.704					
58 Hexachlorocyclopentadiene	237	9.766	9.794	-0.028	32	2479	0.1230	
59 1,2,4,5-Tetrachlorobenzene	216		9.813					
60 2,4,6-Trichlorophenol	196	10.023	10.018	0.005	55	38272	1.04	
61 2,4,5-Trichlorophenol	196		10.103					
62 1,1'-Biphenyl	154	11.145	10.265	0.880	72	214036	1.16	
63 2-Chloronaphthalene	162	10.279	10.312	-0.033	84	199965	0.9161	
64 Phenyl ether	170	10.422	10.427	-0.005	68	16948	0.1696	
65 2-Nitroaniline	65	10.512	10.484	0.028	63	16747	0.3978	
67 Dimethyl phthalate	163	10.760	10.764	-0.004	88	245858	1.49	
68 2,6-Dinitrotoluene	165	10.859	10.850	0.009	74	46455	0.6229	
69 Acenaphthylene	152	10.883	10.893	-0.010	78	363460	1.63	
70 3-Nitroaniline	138		11.111					
71 Acenaphthene	153	11.145	11.154	-0.009	84	214439	1.38	
72 2,4-Dinitrophenol	184		11.283					
73 Dibenzofuran	168	11.421	11.416	0.005	98	315118	1.67	
74 2,4-Dinitrotoluene	165	11.487	11.459	0.028	80	54804	1.15	
75 4-Nitrophenol	109		11.487					
76 2,3,4,6-Tetrachlorophenol	232		11.635					
78 Diethyl phthalate	149	11.806	11.810	-0.004	89	286484	1.59	
79 Fluorene	166	11.920	11.915	0.005	84	257619	1.49	
80 4-Chlorophenyl phenyl ether	204	11.934	11.934	0.0	90	128044	1.67	
81 4-Nitroaniline	138		12.015					
82 4,6-Dinitro-2-methylphenol	198		12.043					
83 N-Nitrosodiphenylamine	169	12.115	12.105	0.010	76	175438	0.7255	
16 1,2-Diphenylhydrazine	77	12.153	12.148	0.005	94	268511	1.72	
85 Azobenzene	77	12.153	12.148	0.005	92	268511	1.72	
86 Benzophenone	105		12.172					
89 4-Bromophenyl phenyl ether	248	12.572	12.571	0.001	75	66126	1.70	
91 Hexachlorobenzene	284	12.638	12.633	0.005	72	62043	1.57	
93 Atrazine	200		12.823					
94 Pentachlorophenol	266		12.904					
97 Phenanthrene	178	13.137	13.128	0.009	89	378639	1.63	
98 Anthracene	178	13.199	13.190	0.009	85	376943	1.60	
99 Carbazole	167		13.399					
102 Di-n-butyl phthalate	149	13.784	13.784	0.0	91	433194	1.71	
104 Fluoranthene	202	14.412	14.407	0.005	92	326499	1.42	
106 Pyrene	202	14.412	14.631	-0.218	97	334624	1.91	
108 Butyl benzyl phthalate	149	15.225	15.230	-0.005	88	175487	1.81	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
109 3,3'-Dichlorobenzidine	252	15.734	15.724	0.010	5	61425	1.05	
110 Bis(2-ethylhexyl) phthalate	149	15.720	15.729	-0.009	94	276831	2.08	
111 Benzo[a]anthracene	228	15.743	15.743	0.0	81	196936	1.40	
112 Chrysene	228	15.772	15.777	-0.005	62	311431	1.95	
113 Di-n-octyl phthalate	149	16.257	16.266	-0.009	93	328909	1.57	
114 Benzo[b]fluoranthene	252	16.680	16.680	0.0	0	200436	1.44	M
115 Benzo[k]fluoranthene	252	16.704	16.704	0.0	0	242376	1.69	M
116 Benzo[a]pyrene	252	16.989	16.985	0.004	49	149934	1.11	
117 Indeno[1,2,3-cd]pyrene	276	18.145	18.126	0.019	88	203151	1.41	
118 Dibenz(a,h)anthracene	278	18.150	18.126	0.024	48	181158	1.48	
119 Benzo[g,h,i]perylene	276	18.145	18.444	-0.299	81	203151	1.69	
S 120 3 & 4 Methylphenol	108		0.000					

QC Flag Legend

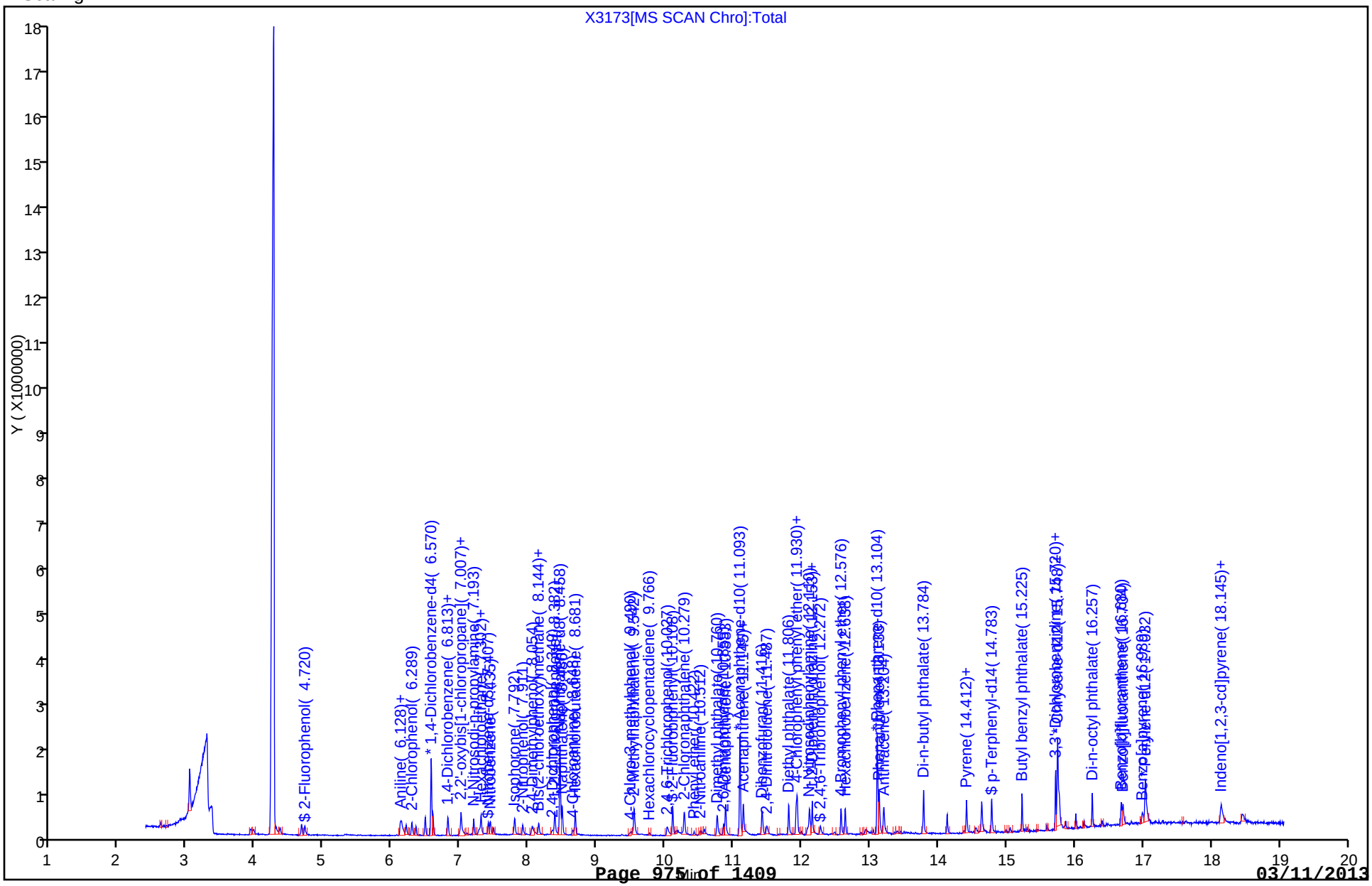
Review Flags
M - Manually Integrated

Report Date: 09-Mar-2013 09:48:30 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3173.D		
Injection Date:	19-Dec-2012 18:55:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-514-15/17-MDS	Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	20
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 09:48:31 Chrom Revision: 2.0 01-Feb-2013 10:03:10

Manual Integration/User Assign Peak Report

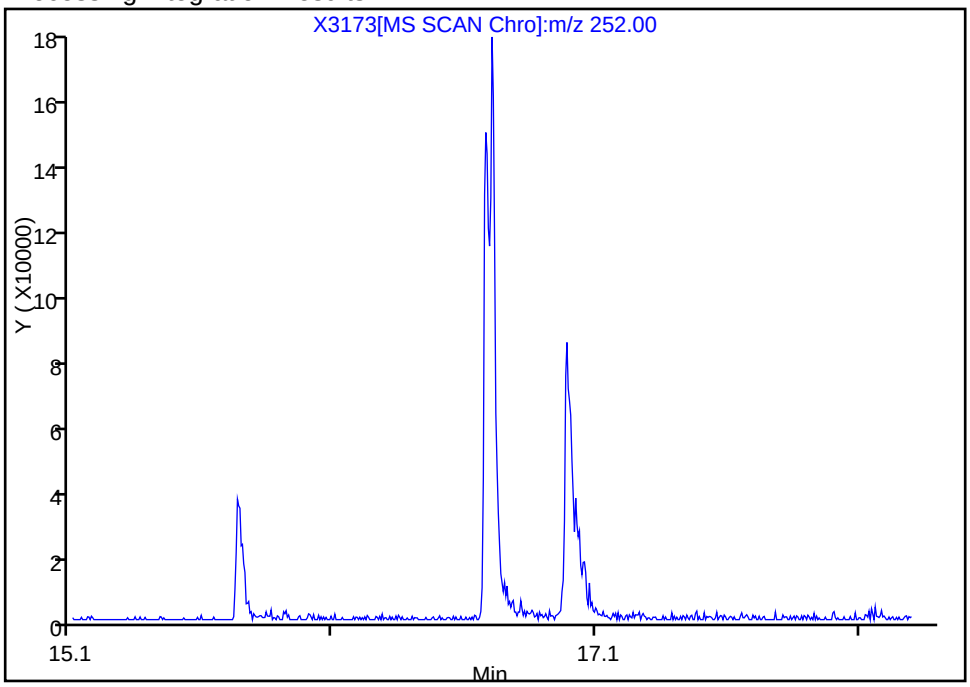
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3173.D		
Injection Date:	19-Dec-2012 18:55:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-514-15/17-MDS	Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	20
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: 16.70

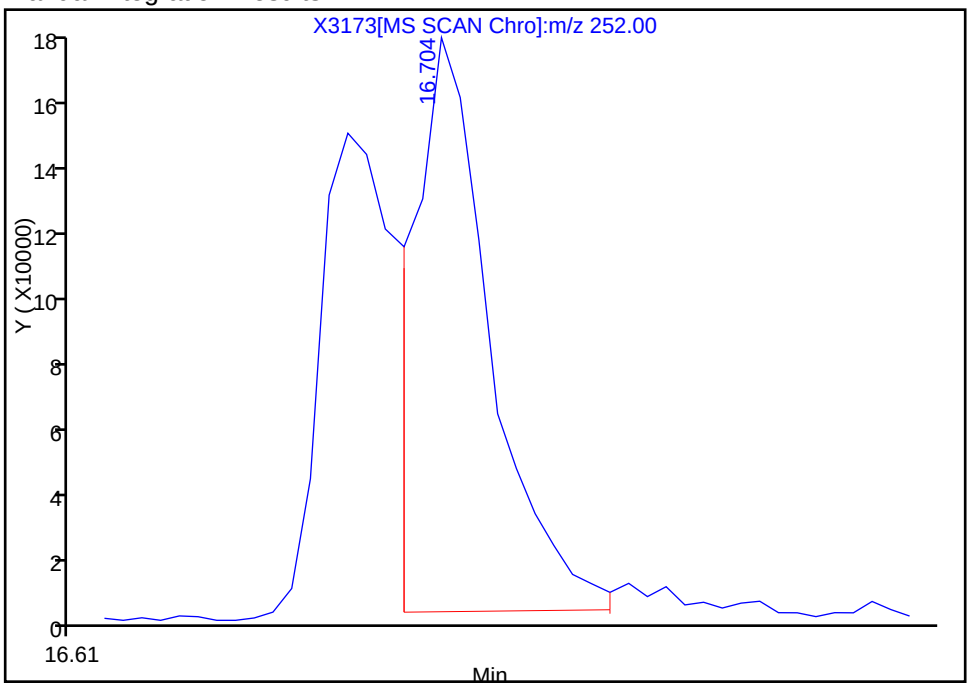
Processing Integration Results

Not Detected
Expected RT: 16.70



Manual Integration Results

RT: 16.70
Response: 242376
Amount: 1.686506



Reviewer: mckernar, 20-Dec-2012 10:26:35
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

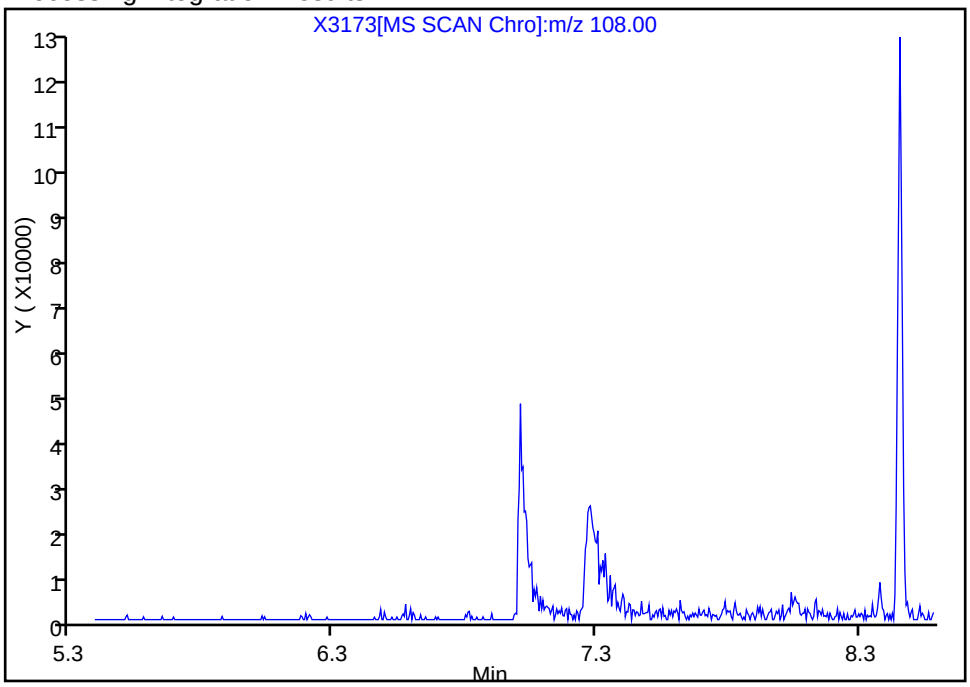
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3173.D		
Injection Date:	19-Dec-2012 18:55:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-514-15/17-MDS	Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	20
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: 6.99

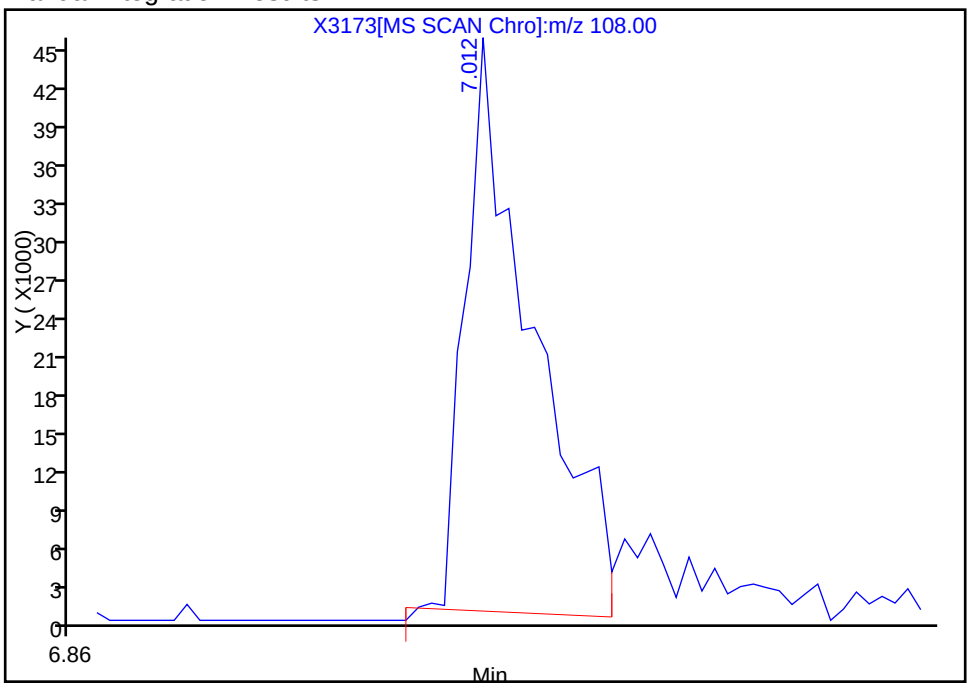
Processing Integration Results

Not Detected
Expected RT: 6.99



Manual Integration Results

RT: 7.01
Response: 75848
Amount: 1.283064



Reviewer: mckernar, 20-Dec-2012 10:26:35
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Report Date: 09-Mar-2013 09:48:30 Chrom Revision: 2.0 01-Feb-2013 10:03:10

Manual Integration/User Assign Peak Report

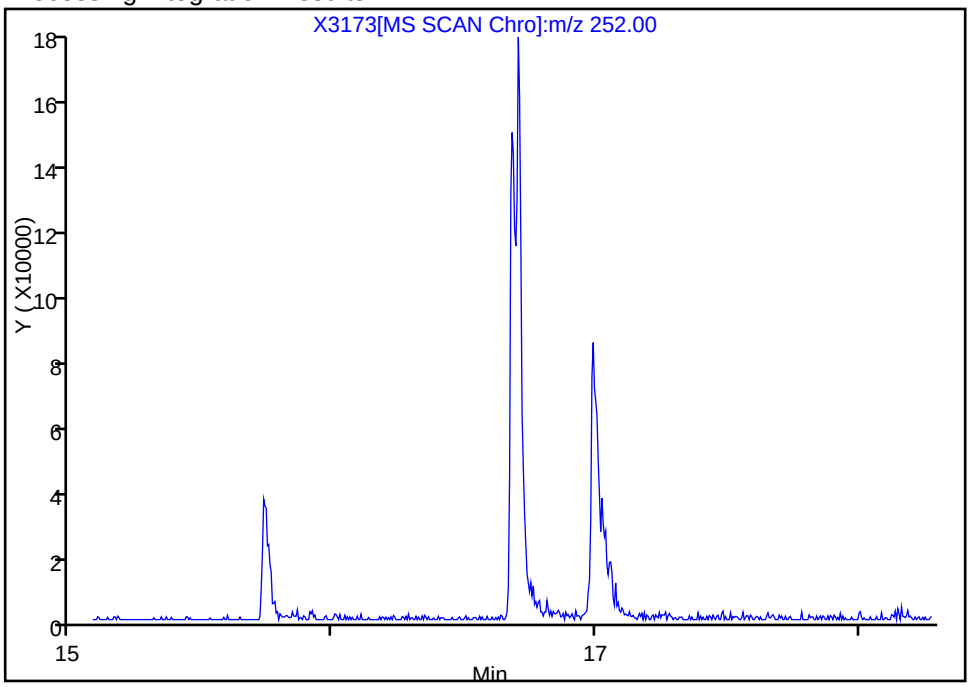
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973X\20121219-17692.b\X3173.D		
Injection Date:	19-Dec-2012 18:55:30	Limit Group:	MB - 8270RCP_MCP ICAL
Client ID:	OC-SB-514-15/17-MDS	Instrument ID:	HP5973X
Lims Batch ID:	96568	Lims Sample ID:	20
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

114 Benzo[b]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 16.68

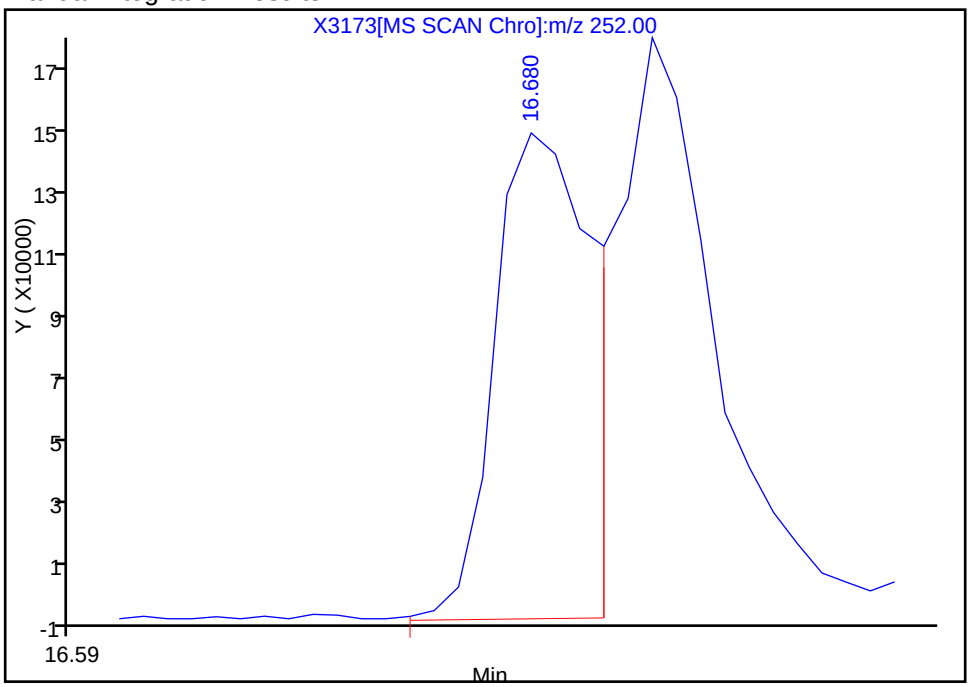
Processing Integration Results

Not Detected
Expected RT: 16.68



Manual Integration Results

RT: 16.68
Response: 200436
Amount: 1.437106



Reviewer: mckernar, 20-Dec-2012 10:26:35
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-30106-1

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.: 480-30106-1

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)
480-30106-6 MS	OC-SB-514-15/17-XXX MS	12/19/2012 18:29	1	X3172.D	RXI-5Sil MS 0.25(mm)
480-30106-6 MSD	OC-SB-514-15/17-XXX MSD	12/19/2012 18:55	1	X3173.D	RXI-5Sil MS 0.25(mm)
480-30106-5	OC-SB-514-7.0/9.0-XXX	12/19/2012 19:21	1	X3174.D	RXI-5Sil MS 0.25(mm)
480-30106-6	OC-SB-514-15/17-XXX	12/19/2012 19:47	1	X3175.D	RXI-5Sil MS 0.25(mm)
480-30106-8	OC-SB-515-6.0/8.0-XXX	12/19/2012 20:12	1	X3176.D	RXI-5Sil MS 0.25(mm)
ZZZZZ		12/19/2012 20:37	1		RXI-5Sil MS 0.25(mm)
480-30106-11	OC-SB-516-6.0/8.0-XXX	12/19/2012 21:03	1	X3178.D	RXI-5Sil MS 0.25(mm)
480-30106-12	OC-SB-516-15/17-XXX	12/19/2012 21:28	1	X3179.D	RXI-5Sil MS 0.25(mm)
480-30106-13	OC-SB-517-0.0/1.0-XXX	12/19/2012 21:54	1	X3180.D	RXI-5Sil MS 0.25(mm)
480-30106-14	OC-SB-517-6.0/8.0-XXX	12/19/2012 22:19	1	X3181.D	RXI-5Sil MS 0.25(mm)
480-30106-15	OC-SB-517-18/20-XXX	12/19/2012 22:45	1	X3182.D	RXI-5Sil MS 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-30106-1

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)
480-30106-9	OC-SB-515-13/15-XXX	12/20/2012 11:01	1	X3192.D	RXI-5Sil MS 0.25(mm)
480-30106-14 DL	OC-SB-517-6.0/8.0-XXX DL	12/20/2012 11:52	10	X3194.D	RXI-5Sil MS 0.25(mm)
ZZZZZ		12/20/2012 12:17	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		12/20/2012 12:43	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		12/20/2012 13:08	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		12/20/2012 13:34	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		12/20/2012 14:26	1		RXI-5Sil MS 0.25(mm)
480-30106-13 DL	OC-SB-517-0.0/1.0-XXX DL	12/20/2012 14:51	20	X3201.D	RXI-5Sil MS 0.25(mm)
MB 480-96561/1-A		12/20/2012 15:17	1	X3202.D	RXI-5Sil MS 0.25(mm)
LCS 480-96561/2-A		12/20/2012 15:42	1	X3203.D	RXI-5Sil MS 0.25(mm)
LCSD 480-96561/3-A		12/20/2012 16:08	1	X3204.D	RXI-5Sil MS 0.25(mm)
480-30106-4	OC-SB-514-0.0/1.0-XXX	12/20/2012 16:33	1	X3205.D	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 BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-30106-1

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		
480-30106-B-6 MS	OC-SB-514-15/17-XXX	3546, 8270D	T	000030.2 g	1 mL	1 mL	1 mL		
480-30106-B-6 MSD	OC-SB-514-15/17-XXX	3546, 8270D	T	000030.4 g	1 mL	1 mL	1 mL		
480-30106-B-5	OC-SB-514-7.0/9.0-XXX	3546, 8270D	T	000030.2 g	1 mL		1 mL		
480-30106-B-6	OC-SB-514-15/17-XXX	3546, 8270D	T	000030.1 g	1 mL		1 mL		
480-30106-A-8	OC-SB-515-6.0/8.0-XXX	3546, 8270D	T	000030.2 g	1 mL		1 mL		
480-30106-A-9	OC-SB-515-13/15-XXX	3546, 8270D	T	000030.9 g	1 mL		1 mL	Decanted	
480-30106-A-11	OC-SB-516-6.0/8.0-XXX	3546, 8270D	T	000030.3 g	1 mL		1 mL		
480-30106-A-12	OC-SB-516-15/17-XXX	3546, 8270D	T	000030.1 g	1 mL		1 mL	Decanted	
480-30106-B-13	OC-SB-517-0.0/1.0-XXX	3546, 8270D	T	000030.4 g	1 mL		1 mL		
480-30106-B-14	OC-SB-517-6.0/8.0-XXX	3546, 8270D	T	000030.2 g	1 mL		1 mL		
480-30106-B-15	OC-SB-517-18/20-XXX	3546, 8270D	T	000030.2 g	1 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/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-30106-1

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

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.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-30106-1

SDG No.:

Batch Number: 96561 Batch Start Date: 12/19/12 09:30 Batch Analyst: Evers, David

Batch Method: 3546 Batch End Date: 12/19/12 15:32

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	O_8270LLspike 00005	O_8270LLsurr 00002	O_8270MCPAPIX 00001	O_OlinLCSspik 00001
MB 480-96561/1		3546, 8270D		000030.4 g	1 mL		1 mL		
LCS 480-96561/2		3546, 8270D		000030.2 g	1 mL	1 mL	1 mL	0.1 mL	0.1 mL
LCSD 480-96561/3		3546, 8270D		000030.2 g	1 mL	1 mL	1 mL	0.1 mL	0.1 mL
480-30106-B-4	OC-SB-514-0.0/1.0-XXX	3546, 8270D	T	000030.1 g	1 mL		1 mL		

Lab Sample ID	Client Sample ID	Method Chain	Basis	O8270full#2 00001					
MB 480-96561/1		3546, 8270D							
LCS 480-96561/2		3546, 8270D		0.1 mL					
LCSD 480-96561/3		3546, 8270D		0.1 mL					
480-30106-B-4	OC-SB-514-0.0/1.0-XXX	3546, 8270D	T						

Batch Notes	
Acetone Lot #	K41E20
Balance ID	14552245
Person's name who did the concentration	DLE
Final Concentrator Volume	1 mL
MeCL2 Lot #	0000026554
MeCl2/Acetone Lot #	0000026554/K41E20
Microwave Start Time	10:00
Microwave Stop Time	10:50
Na2SO4 Lot Number	27862008
Ottawa Sand Lot #	89090
Person's name who did the prep	DLE CM
Person who witnessed spiking	DLE

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

MAEPH

Massachusetts - Extractable Petroleum Hydrocarbons (GC)

FORM II
GC SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-30106-1

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-514-0.0/1.0-XXX	480-30106-4	102	101	71	51
OC-SB-514-7.0/9.0-XXX	480-30106-5	110	109	84	60
OC-SB-514-15/17-XXX	480-30106-6	103	103	83	58
OC-SB-515-6.0/8.0-XXX	480-30106-8	107	106	82	59
OC-SB-515-13/15-XXX	480-30106-9	108	58	84	58
OC-SB-516-6.0/8.0-XXX	480-30106-11	106	105	85	59
OC-SB-516-15/17-XXX	480-30106-12	113	111	85	53
OC-SB-517-0.0/1.0-XXX	480-30106-13	109	108	76	53
OC-SB-517-6.0/8.0-XXX	480-30106-14	112	111	86	55
OC-SB-517-18/20-XXX	480-30106-15	111	111	85	58
OC-DUP-4	480-30106-22	108	107	84	56
	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.: 480-30106-1

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.: 480-30106-1

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.: 480-30106-1

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-514-0.0/1.0-XXX	480-30106-4	12/26/2012 11:11	12/26/2012 11:11
OC-SB-514-7.0/9.0-XXX	480-30106-5	12/26/2012 11:40	12/26/2012 11:40
OC-SB-514-15/17-XXX	480-30106-6	12/26/2012 12:10	12/26/2012 12:10
OC-SB-515-6.0/8.0-XXX	480-30106-8	12/26/2012 12:39	12/26/2012 12:39
OC-SB-515-13/15-XXX	480-30106-9	12/26/2012 13:09	12/26/2012 13:09
OC-SB-516-6.0/8.0-XXX	480-30106-11	12/26/2012 13:38	12/26/2012 13:38
OC-SB-516-15/17-XXX	480-30106-12	12/26/2012 14:07	12/26/2012 14:07
OC-SB-517-0.0/1.0-XXX	480-30106-13	12/26/2012 15:07	12/26/2012 15:07
OC-SB-517-6.0/8.0-XXX	480-30106-14	12/26/2012 15:36	12/26/2012 15:36
OC-SB-517-18/20-XXX	480-30106-15	12/26/2012 16:05	12/26/2012 16:05
OC-DUP-4	480-30106-22	12/26/2012 16:35	12/26/2012 16:35

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30106-1

SDG No.:

Client Sample ID: OC-SB-514-0.0/1.0-XXX | Lab Sample ID: 480-30106-4

Matrix: Solid | Lab File ID: 20_04146.D

Analysis Method: MA-EPH | Date Collected: 12/12/2012 08:50

Extraction Method: MA EPH Frac | Date Extracted: 12/19/2012 08:06

Sample wt/vol: 000010.3(g) | Date Analyzed: 12/26/2012 11:11

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-5 ID: 0.53(mm)

% Moisture: 22.8 | 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		1.3	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	101		40-140
321-60-8	2-Fluorobiphenyl	102		40-140
84-15-1	o-Terphenyl	71		40-140

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\20_04146.D
Lims ID: 480-30106-B-4-D Client ID: OC-SB-514-0.0/1.0-XXX
Inject. Date: 26-Dec-2012 11:11:38 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: 6
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 07:13:16 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: XAWRK012

First Level Reviewer: bescod Date: 27-Dec-2012 07:13:16

Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
8 Naphthalene						
1	5.814	5.814	0.000	50	0.0448	
A 4 C9-C18 Aliphatics						
2	6.400	3.000 -	9.800	2327	1.96	
10 2-Methylnaphthalene						
1	6.650	6.640	0.010	250	0.2198	
$ 11 2-Fluorobiphenyl						
1	7.108	7.106	0.002	20725	20.3	
13 Acenaphthylene						
1	7.686	7.680	0.006	57	0.0481	
$ 14 2-Bromonaphthalene						
1	7.846	7.844	0.002	14750	20.2	
16 Fluorene						
1	8.510	8.506	0.004	340	0.2793	
18 Phenanthrene						
1	9.624	9.624	0.000	545	0.4358	
20 Anthracene						
1	9.682	9.684	-0.002	64	0.0516	
$ 21 o-Terphenyl						
1	10.126	10.128	-0.002	17590	14.2	
24 Fluoranthene						
1	11.028	11.030	-0.002	231	0.1775	
$ 25 1-Chlorooctadecane						
2	11.076	11.076	0.000	8848	10.3	
26 Pyrene						
1	11.282	11.284	-0.002	155	0.1186	

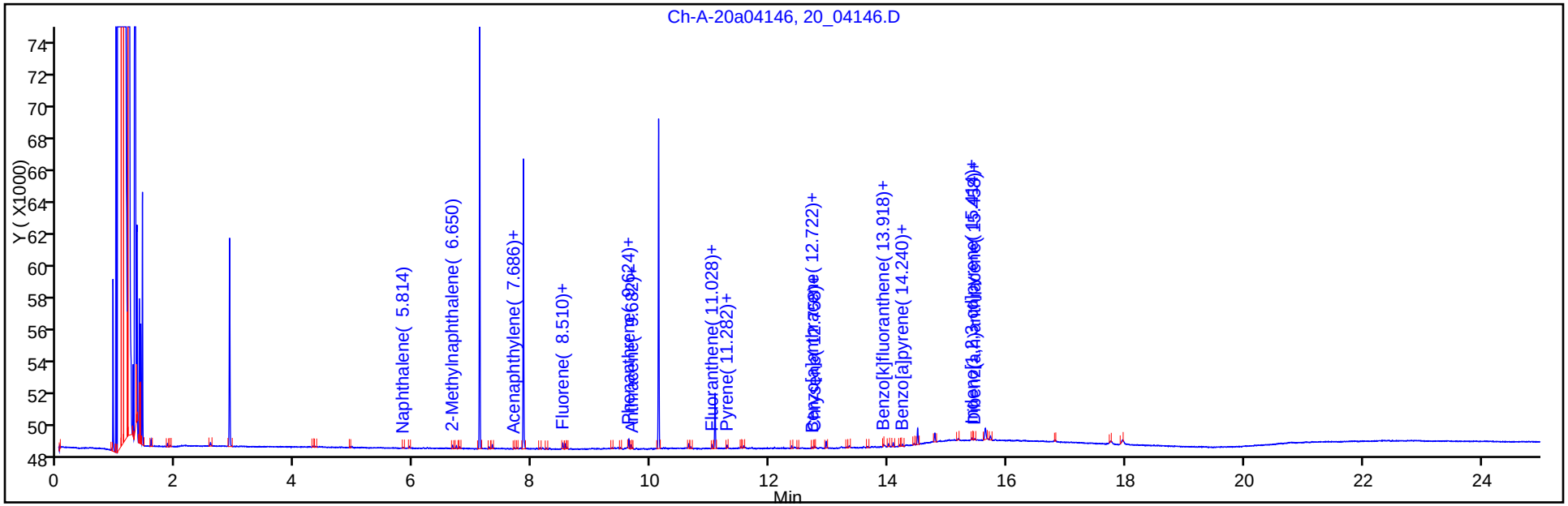
Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
A 5 C11-C22 Aromatics						
1	11.650	7.500 - 15.800		11447	9.91	
29 Benzo[a]anthracene						
1	12.722	12.726	-0.004	96	0.0755	
30 Chrysene						
1	12.758	12.766	-0.008	89	0.0727	
A 3 C19-C36 Aliphatics						
2	13.300	8.500 - 18.100		6901	4.77	
32 Benzo[k]fluoranthene						
1	13.918	13.924	-0.006	56	0.0436	
35 Benzo[a]pyrene						
1	14.240	14.248	-0.008	147	0.1160	
37 Indeno[1,2,3-cd]pyrene						
1	15.414	15.426	-0.012	108	0.0860	
38 Dibenz(a,h)anthracene						
1	15.458	15.470	-0.012	72	0.0578	

Report Date: 27-Dec-2012 07:13:17 Chrom Revision: 2.0 22-Oct-2012 16:30:48

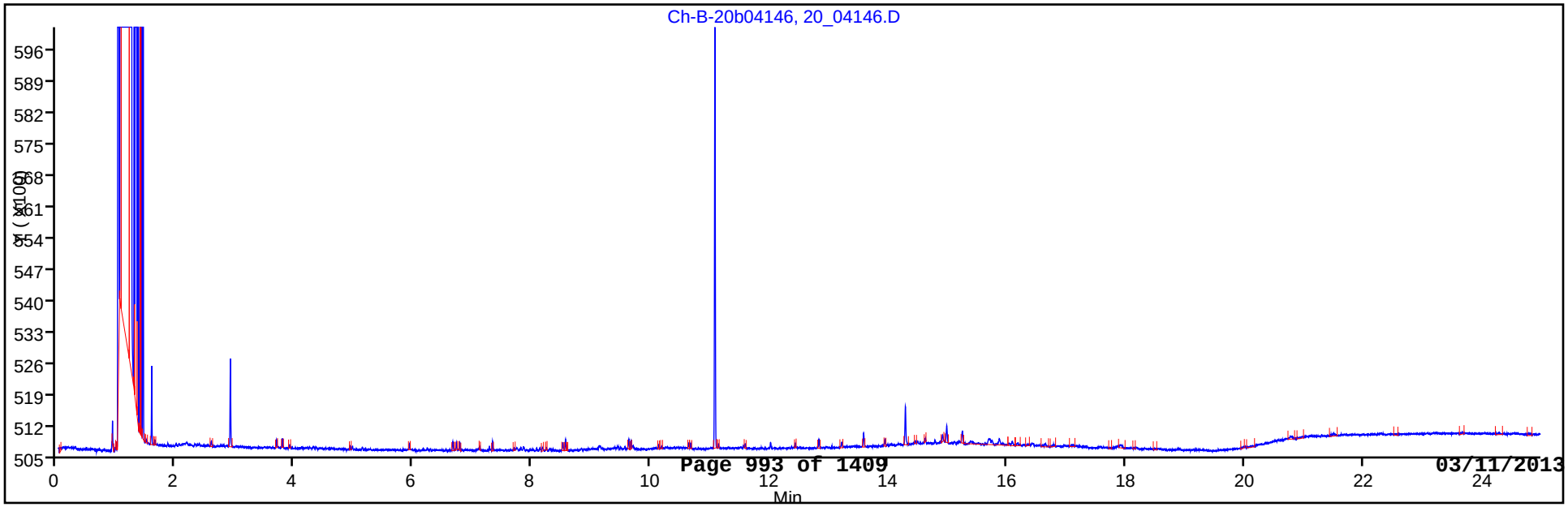
TestAmerica Buffalo

Data File:	\\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\20_04146.D		
Injection Date:	26-Dec-2012 11:11:38	Limit Group:	GC MAEPH ICAL
Client ID:	OC-SB-514-0.0/1.0-XXX	Instrument ID:	HP7890-20
Lims Batch ID:	97357	Lims Sample ID:	6
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.: 480-30106-1
SDG No.:
Client Sample ID: OC-SB-514-0.0/1.0-XXX
Lab Sample ID: 480-30106-4
Matrix: Solid
Lab File ID: 20_04146.D
Analysis Method: MA-EPH
Date Collected: 12/12/2012 08:50
Extraction Method: MA EPH Frac
Date Extracted: 12/19/2012 08:06
Sample wt/vol: 000010.3(g)
Date Analyzed: 12/26/2012 11:11
Con. Extract Vol.: 2(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: ZB-5 ID: 0.53(mm)
% Moisture: 22.8
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		13	13
STL00306	C9-C18 Aliphatics	ND		13	13

CAS NO.	SURROGATE	%REC	Q	LIMITS
3386-33-2	1-Chlorooctadecane	51		40-140

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\20_04146.D
Lims ID: 480-30106-B-4-D Client ID: OC-SB-514-0.0/1.0-XXX
Inject. Date: 26-Dec-2012 11:11:38 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: 6
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 07:13:16 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: XAWRK012

First Level Reviewer: bescod Date: 27-Dec-2012 07:13:16

Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
8 Naphthalene						
1	5.814	5.814	0.000	50	0.0448	
A 4 C9-C18 Aliphatics						
2	6.400	3.000 -	9.800	2327	1.96	
10 2-Methylnaphthalene						
1	6.650	6.640	0.010	250	0.2198	
$ 11 2-Fluorobiphenyl						
1	7.108	7.106	0.002	20725	20.3	
13 Acenaphthylene						
1	7.686	7.680	0.006	57	0.0481	
$ 14 2-Bromonaphthalene						
1	7.846	7.844	0.002	14750	20.2	
16 Fluorene						
1	8.510	8.506	0.004	340	0.2793	
18 Phenanthrene						
1	9.624	9.624	0.000	545	0.4358	
20 Anthracene						
1	9.682	9.684	-0.002	64	0.0516	
$ 21 o-Terphenyl						
1	10.126	10.128	-0.002	17590	14.2	
24 Fluoranthene						
1	11.028	11.030	-0.002	231	0.1775	
$ 25 1-Chlorooctadecane						
2	11.076	11.076	0.000	8848	10.3	
26 Pyrene						
1	11.282	11.284	-0.002	155	0.1186	

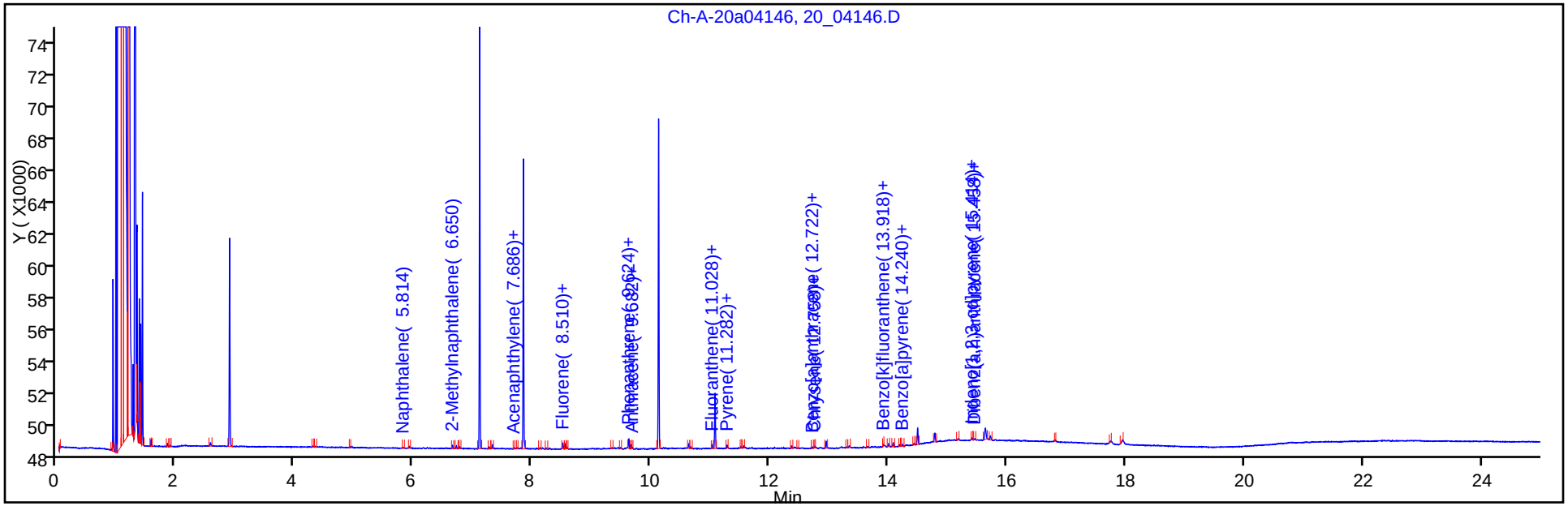
Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
A 5 C11-C22 Aromatics						
1	11.650	7.500 - 15.800		11447	9.91	
29 Benzo[a]anthracene						
1	12.722	12.726	-0.004	96	0.0755	
30 Chrysene						
1	12.758	12.766	-0.008	89	0.0727	
A 3 C19-C36 Aliphatics						
2	13.300	8.500 - 18.100		6901	4.77	
32 Benzo[k]fluoranthene						
1	13.918	13.924	-0.006	56	0.0436	
35 Benzo[a]pyrene						
1	14.240	14.248	-0.008	147	0.1160	
37 Indeno[1,2,3-cd]pyrene						
1	15.414	15.426	-0.012	108	0.0860	
38 Dibenz(a,h)anthracene						
1	15.458	15.470	-0.012	72	0.0578	

Report Date: 27-Dec-2012 07:13:17 Chrom Revision: 2.0 22-Oct-2012 16:30:48

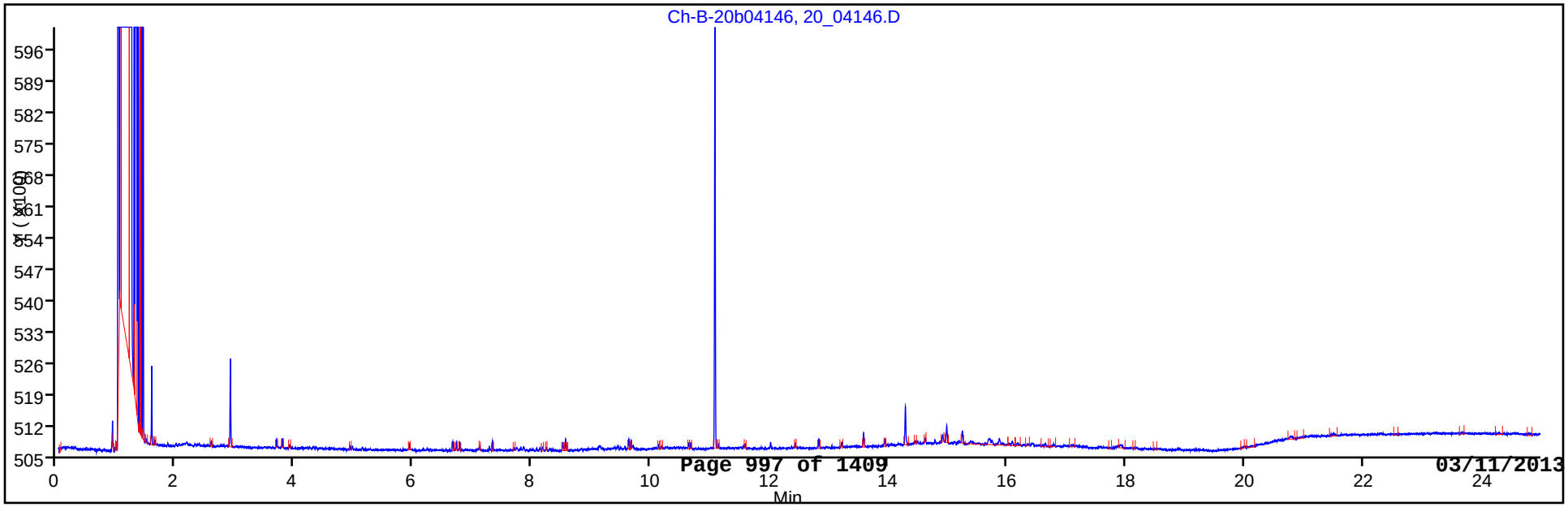
TestAmerica Buffalo

Data File:	\\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\20_04146.D		
Injection Date:	26-Dec-2012 11:11:38	Limit Group:	GC MAEPH ICAL
Client ID:	OC-SB-514-0.0/1.0-XXX	Instrument ID:	HP7890-20
Lims Batch ID:	97357	Lims Sample ID:	6
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.: 480-30106-1

SDG No.:

Client Sample ID: OC-SB-514-7.0/9.0-XXX | Lab Sample ID: 480-30106-5

Matrix: Solid | Lab File ID: 20_04147.D

Analysis Method: MA-EPH | Date Collected: 12/12/2012 09:00

Extraction Method: MA EPH Frac | Date Extracted: 12/19/2012 08:06

Sample wt/vol: 000010.5(g) | Date Analyzed: 12/26/2012 11:40

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-5 ID: 0.53(mm)

% Moisture: 21.6 | 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		1.2	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	109		40-140
321-60-8	2-Fluorobiphenyl	110		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_04147.D
Lims ID: 480-30106-B-5-E
Client ID: OC-SB-514-7.0/9.0-XXX
Inject. Date: 26-Dec-2012 11:40:55
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: 7
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 07:13:34
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 07:13:34

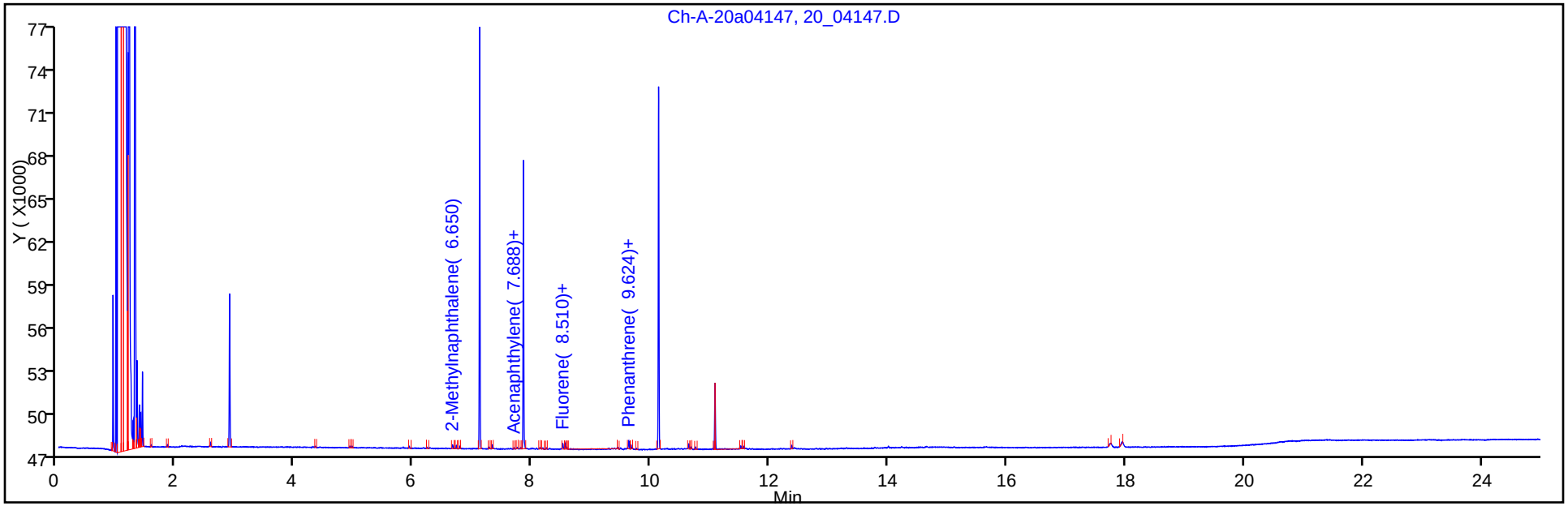
Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
A 4 C9-C18 Aliphatics						
2	6.400	3.000 -	9.800	3509	2.96	
10 2-Methylnaphthalene						
1	6.650	6.640	0.010	271	0.2382	
$ 11 2-Fluorobiphenyl						
1	7.108	7.106	0.002	22382	22.0	
13 Acenaphthylene						
1	7.688	7.680	0.008	81	0.0684	
$ 14 2-Bromonaphthalene						
1	7.846	7.844	0.002	15859	21.7	
16 Fluorene						
1	8.510	8.506	0.004	361	0.2966	
18 Phenanthrene						
1	9.624	9.624	0.000	507	0.4054	
$ 21 o-Terphenyl						
1	10.126	10.128	-0.002	20771	16.8	
$ 25 1-Chlorooctadecane						
2	11.076	11.076	0.000	10255	11.9	
A 5 C11-C22 Aromatics						
1	11.650	7.500 -	15.800	8560	7.41	
A 3 C19-C36 Aliphatics						
2	13.300	8.500 -	18.100	6260	4.32	

Report Date: 27-Dec-2012 07:13:34 Chrom Revision: 2.0 22-Oct-2012 16:30:48

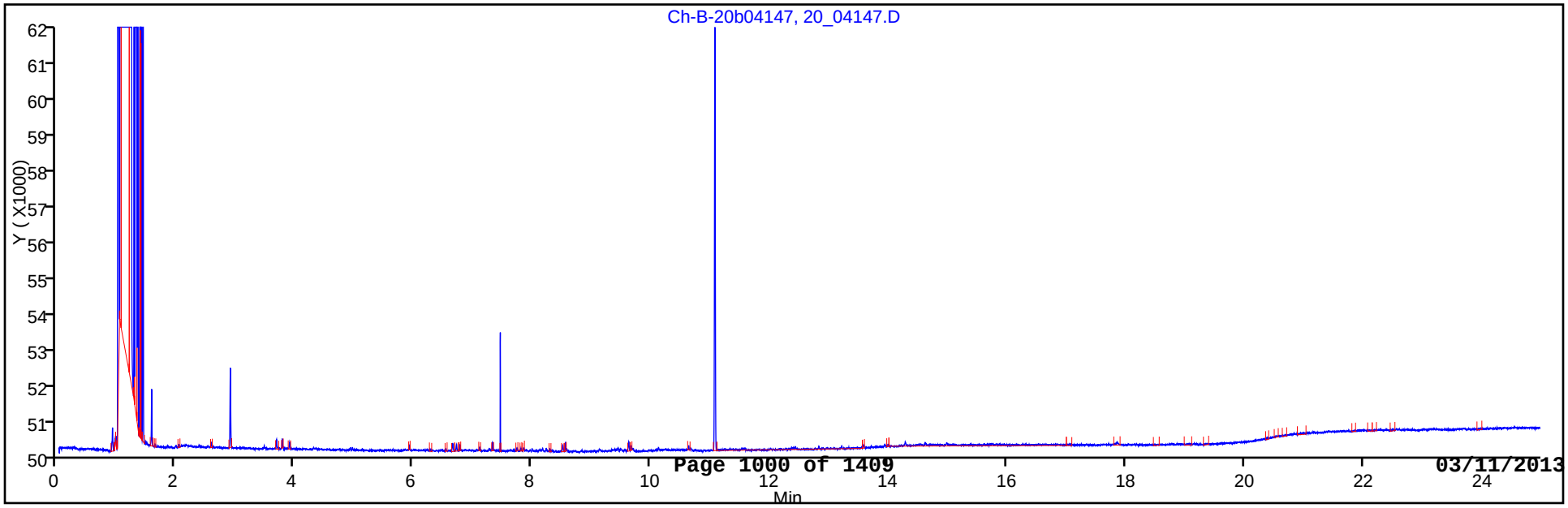
TestAmerica Buffalo

Data File:	\\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\20_04147.D		
Injection Date:	26-Dec-2012 11:40:55	Limit Group:	GC MAEPH ICAL
Client ID:	OC-SB-514-7.0/9.0-XXX	Instrument ID:	HP7890-20
Lims Batch ID:	97357	Lims Sample ID:	7
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.: 480-30106-1
SDG No.:
Client Sample ID: OC-SB-514-7.0/9.0-XXX
Lab Sample ID: 480-30106-5
Matrix: Solid
Lab File ID: 20_04147.D
Analysis Method: MA-EPH
Date Collected: 12/12/2012 09:00
Extraction Method: MA EPH Frac
Date Extracted: 12/19/2012 08:06
Sample wt/vol: 000010.5(g)
Date Analyzed: 12/26/2012 11:40
Con. Extract Vol.: 2(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: ZB-5 ID: 0.53(mm)
% Moisture: 21.6
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		12	12
STL00306	C9-C18 Aliphatics	ND		12	12

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_04147.D		
Lims ID:	480-30106-B-5-E	Client ID:	OC-SB-514-7.0/9.0-XXX
Inject. Date:	26-Dec-2012 11:40:55	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:	7
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 07:13:34	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 07:13:34

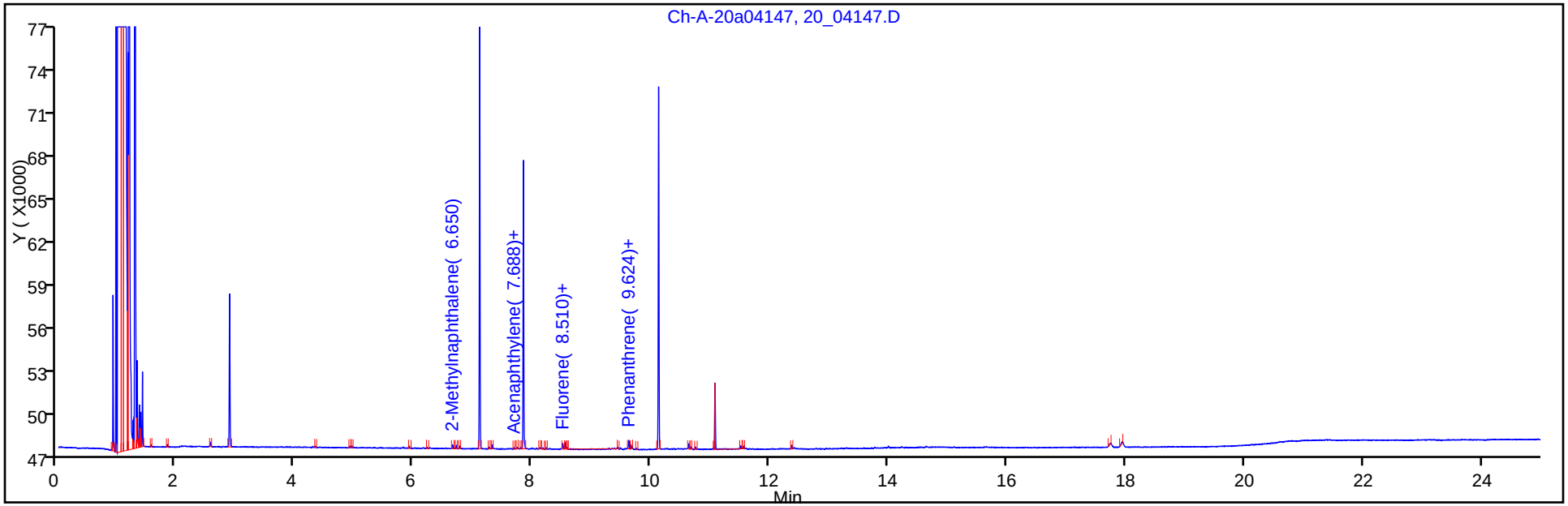
Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
A 4 C9-C18 Aliphatics						
2	6.400	3.000 -	9.800	3509	2.96	
10 2-Methylnaphthalene						
1	6.650	6.640	0.010	271	0.2382	
$ 11 2-Fluorobiphenyl						
1	7.108	7.106	0.002	22382	22.0	
13 Acenaphthylene						
1	7.688	7.680	0.008	81	0.0684	
$ 14 2-Bromonaphthalene						
1	7.846	7.844	0.002	15859	21.7	
16 Fluorene						
1	8.510	8.506	0.004	361	0.2966	
18 Phenanthrene						
1	9.624	9.624	0.000	507	0.4054	
$ 21 o-Terphenyl						
1	10.126	10.128	-0.002	20771	16.8	
$ 25 1-Chlorooctadecane						
2	11.076	11.076	0.000	10255	11.9	
A 5 C11-C22 Aromatics						
1	11.650	7.500 -	15.800	8560	7.41	
A 3 C19-C36 Aliphatics						
2	13.300	8.500 -	18.100	6260	4.32	

Report Date: 27-Dec-2012 07:13:34 Chrom Revision: 2.0 22-Oct-2012 16:30:48

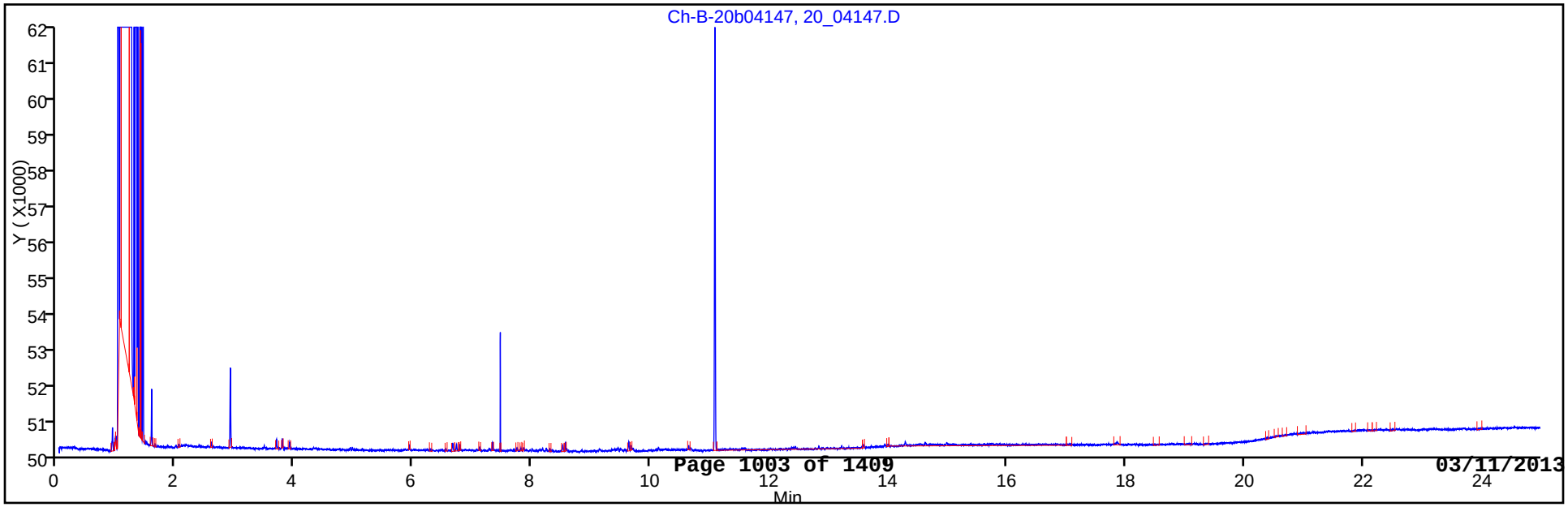
TestAmerica Buffalo

Data File:	\\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\20_04147.D		
Injection Date:	26-Dec-2012 11:40:55	Limit Group:	GC MAEPH ICAL
Client ID:	OC-SB-514-7.0/9.0-XXX	Instrument ID:	HP7890-20
Lims Batch ID:	97357	Lims Sample ID:	7
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.: 480-30106-1

SDG No.:

Client Sample ID: OC-SB-514-15/17-XXX | Lab Sample ID: 480-30106-6

Matrix: Solid | Lab File ID: 20_04148.D

Analysis Method: MA-EPH | Date Collected: 12/12/2012 09:20

Extraction Method: MA EPH Frac | Date Extracted: 12/19/2012 08:06

Sample wt/vol: 000010.7(g) | Date Analyzed: 12/26/2012 12:10

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-5 ID: 0.53(mm)

% Moisture: 8.0 | 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		1.0	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	103		40-140
321-60-8	2-Fluorobiphenyl	103		40-140
84-15-1	o-Terphenyl	83		40-140

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\20_04148.D		
Lims ID:	480-30106-B-6-G	Client ID:	OC-SB-514-15/17-XXX
Inject. Date:	26-Dec-2012 12:10:23	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:	8
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 07:14:03	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:	XAWRK012		

First Level Reviewer: bescod Date: 27-Dec-2012 07:14:03

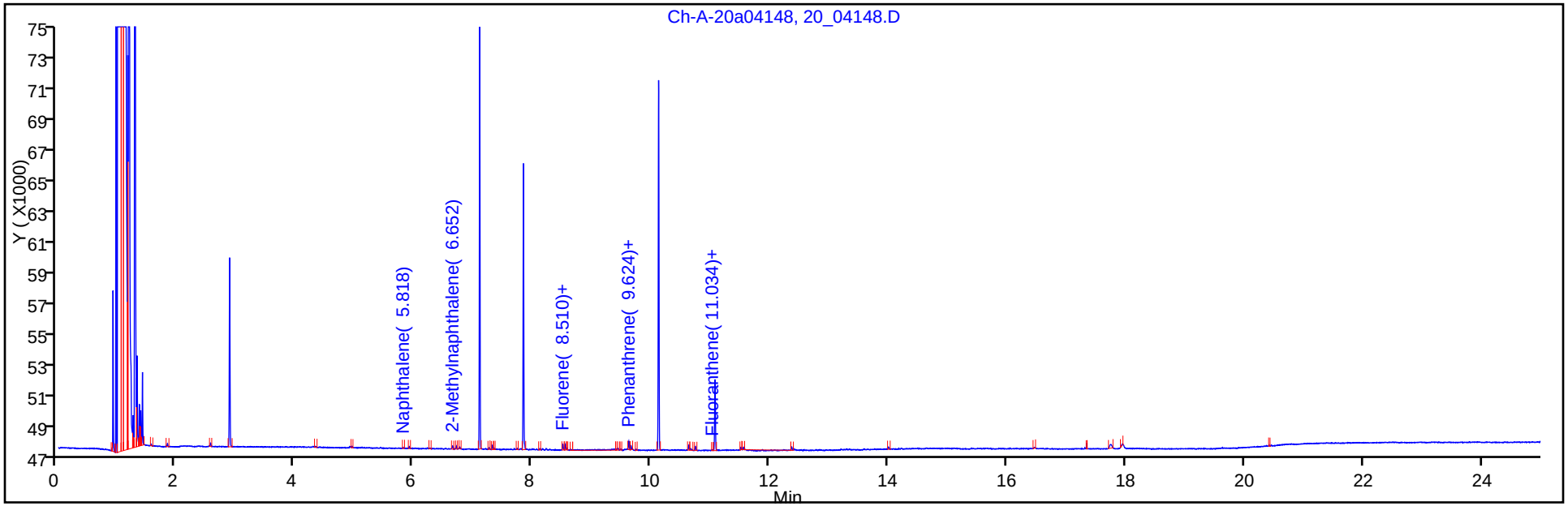
Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
8 Naphthalene						
1	5.818	5.814	0.004	58	0.0519	
A 4 C9-C18 Aliphatics						
2	6.400	3.000 -	9.800	2400	2.03	
10 2-Methylnaphthalene						
1	6.652	6.640	0.012	254	0.2233	
$ 11 2-Fluorobiphenyl						
1	7.108	7.106	0.002	21077	20.7	
$ 14 2-Bromonaphthalene						
1	7.846	7.844	0.002	14983	20.5	
16 Fluorene						
1	8.510	8.506	0.004	338	0.2777	
18 Phenanthrene						
1	9.624	9.624	0.000	487	0.3894	
$ 21 o-Terphenyl						
1	10.126	10.128	-0.002	20648	16.7	
24 Fluoranthene						
1	11.034	11.030	0.004	78	0.0599	
$ 25 1-Chlorooctadecane						
2	11.076	11.076	0.000	9962	11.6	
A 5 C11-C22 Aromatics						
1	11.650	7.500 -	15.800	9845	8.52	
A 3 C19-C36 Aliphatics						
2	13.300	8.500 -	18.100	6925	4.78	

Report Date: 27-Dec-2012 07:14:03 Chrom Revision: 2.0 22-Oct-2012 16:30:48

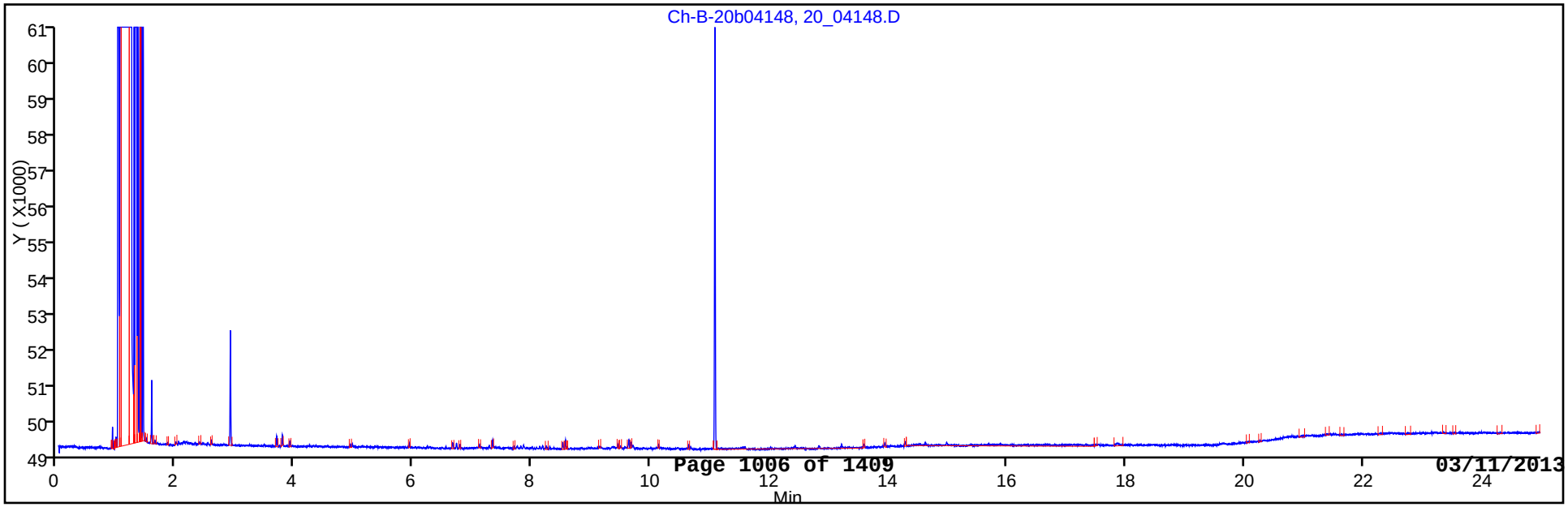
TestAmerica Buffalo

Data File:	\\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\20_04148.D		
Injection Date:	26-Dec-2012 12:10:23	Limit Group:	GC MAEPH ICAL
Client ID:	OC-SB-514-15/17-XXX	Instrument ID:	HP7890-20
Lims Batch ID:	97357	Lims Sample ID:	8
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.: 480-30106-1
SDG No.:
Client Sample ID: OC-SB-514-15/17-XXX
Lab Sample ID: 480-30106-6
Matrix: Solid
Lab File ID: 20_04148.D
Analysis Method: MA-EPH
Date Collected: 12/12/2012 09:20
Extraction Method: MA EPH Frac
Date Extracted: 12/19/2012 08:06
Sample wt/vol: 000010.7(g)
Date Analyzed: 12/26/2012 12:10
Con. Extract Vol.: 2(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: ZB-5 ID: 0.53(mm)
% Moisture: 8.0
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		10	10
STL00306	C9-C18 Aliphatics	ND		10	10

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_04148.D		
Lims ID:	480-30106-B-6-G	Client ID:	OC-SB-514-15/17-XXX
Inject. Date:	26-Dec-2012 12:10:23	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:	8
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 07:14:03	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:	XAWRK012		

First Level Reviewer: bescod Date: 27-Dec-2012 07:14:03

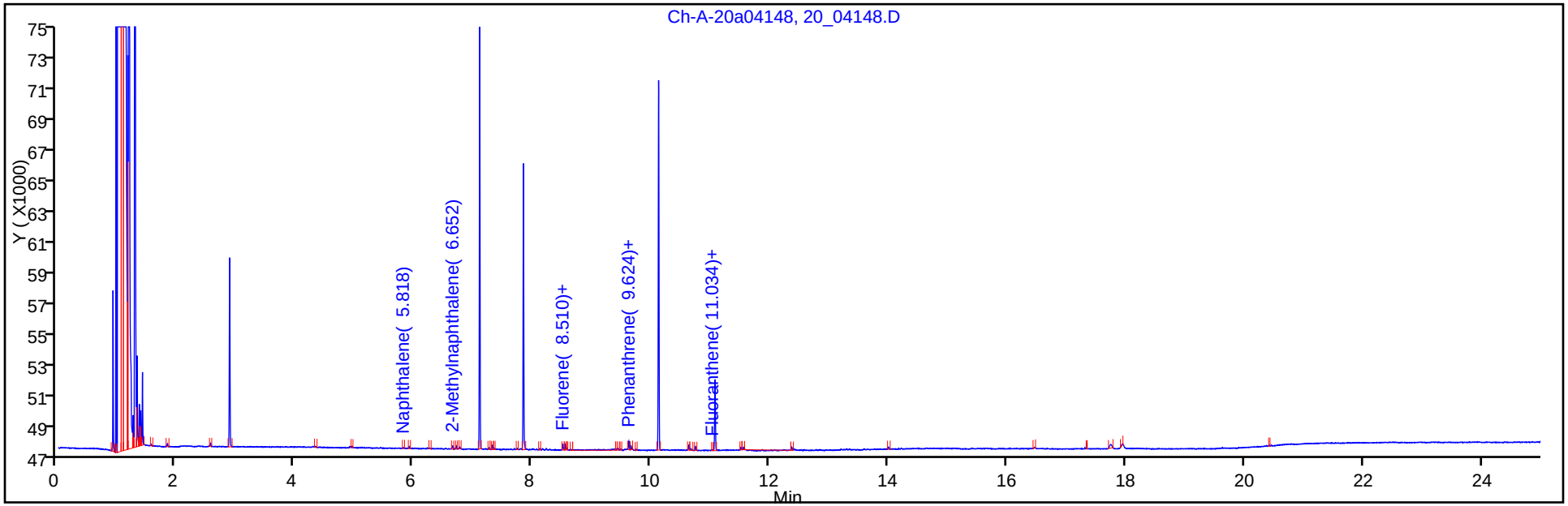
Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
8 Naphthalene						
1	5.818	5.814	0.004	58	0.0519	
A 4 C9-C18 Aliphatics						
2	6.400	3.000 -	9.800	2400	2.03	
10 2-Methylnaphthalene						
1	6.652	6.640	0.012	254	0.2233	
$ 11 2-Fluorobiphenyl						
1	7.108	7.106	0.002	21077	20.7	
$ 14 2-Bromonaphthalene						
1	7.846	7.844	0.002	14983	20.5	
16 Fluorene						
1	8.510	8.506	0.004	338	0.2777	
18 Phenanthrene						
1	9.624	9.624	0.000	487	0.3894	
$ 21 o-Terphenyl						
1	10.126	10.128	-0.002	20648	16.7	
24 Fluoranthene						
1	11.034	11.030	0.004	78	0.0599	
$ 25 1-Chlorooctadecane						
2	11.076	11.076	0.000	9962	11.6	
A 5 C11-C22 Aromatics						
1	11.650	7.500 -	15.800	9845	8.52	
A 3 C19-C36 Aliphatics						
2	13.300	8.500 -	18.100	6925	4.78	

Report Date: 27-Dec-2012 07:14:03 Chrom Revision: 2.0 22-Oct-2012 16:30:48

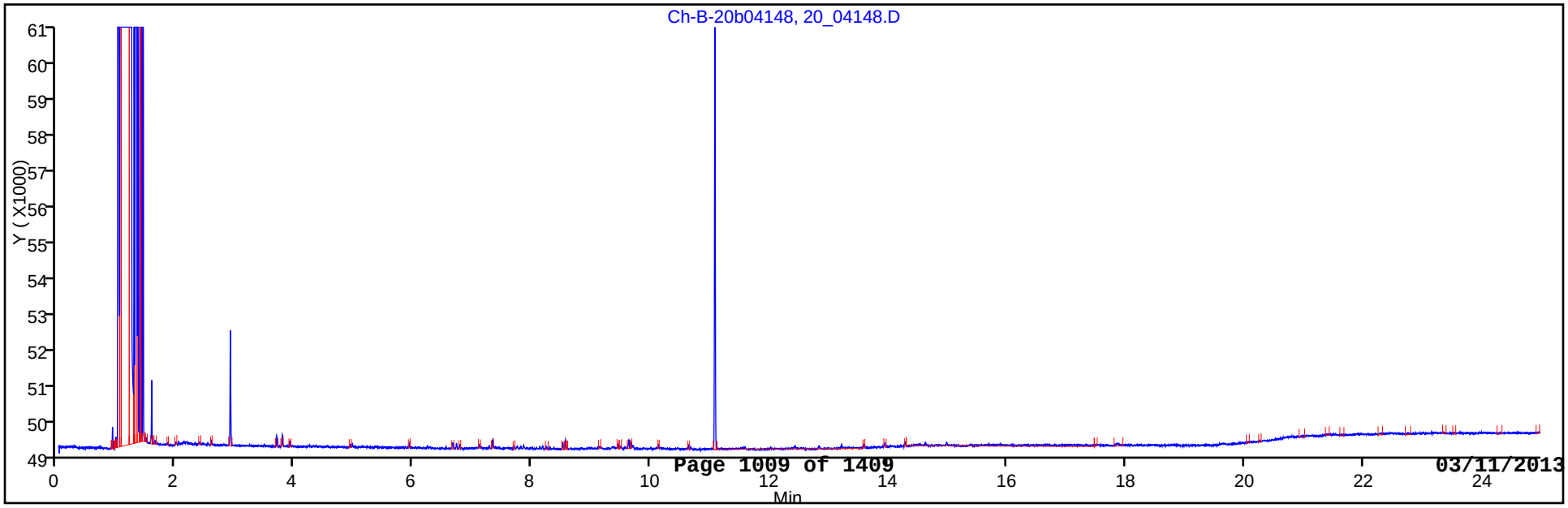
TestAmerica Buffalo

Data File:	\\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\20_04148.D		
Injection Date:	26-Dec-2012 12:10:23	Limit Group:	GC MAEPH ICAL
Client ID:	OC-SB-514-15/17-XXX	Instrument ID:	HP7890-20
Lims Batch ID:	97357	Lims Sample ID:	8
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.: 480-30106-1

SDG No.:

Client Sample ID: OC-SB-515-6.0/8.0-XXX | Lab Sample ID: 480-30106-8

Matrix: Solid | Lab File ID: 20_04149.D

Analysis Method: MA-EPH | Date Collected: 12/12/2012 10:20

Extraction Method: MA EPH Frac | Date Extracted: 12/19/2012 08:06

Sample wt/vol: 000010.4(g) | Date Analyzed: 12/26/2012 12:39

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-5 ID: 0.53(mm)

% Moisture: 15.4 | 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	106		40-140
321-60-8	2-Fluorobiphenyl	107		40-140
84-15-1	o-Terphenyl	82		40-140

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\20_04149.D
Lims ID: 480-30106-A-8-E
Client ID: OC-SB-515-6.0/8.0-XXX
Inject. Date: 26-Dec-2012 12:39:47
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: 9
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 07:14:14
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 07:14:14

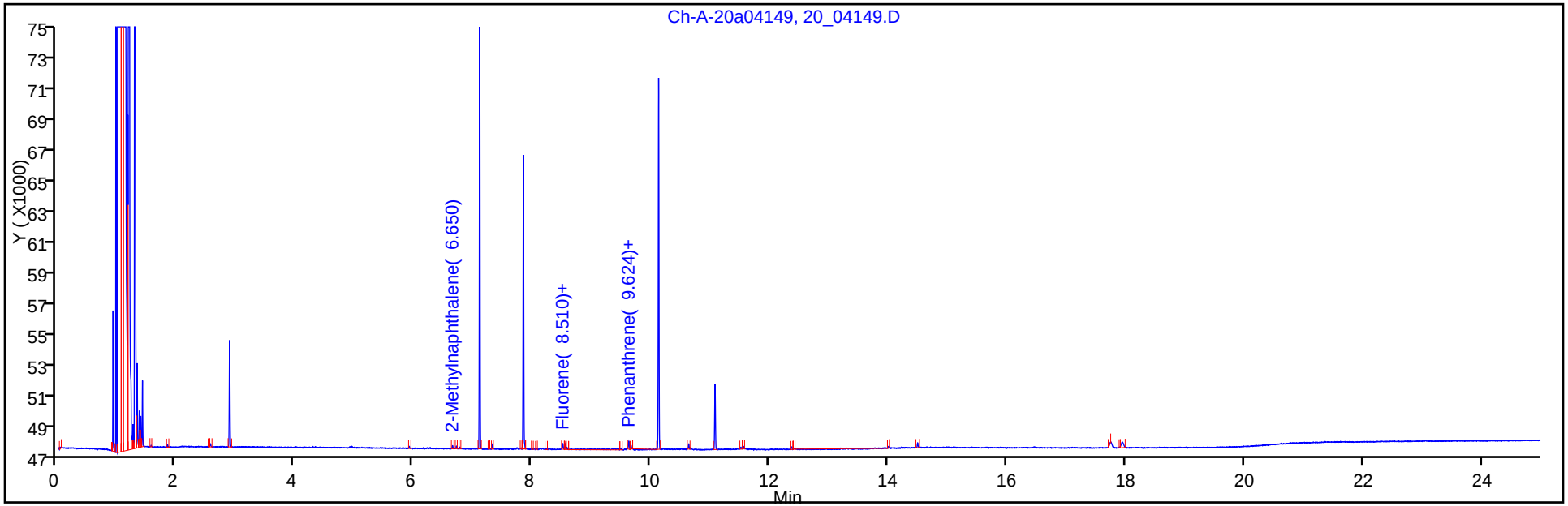
Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
A 4 C9-C18 Aliphatics						
2	6.400	3.000 -	9.800	2269	1.91	
10 2-Methylnaphthalene						
1	6.650	6.640	0.010	219	0.1925	
$ 11 2-Fluorobiphenyl						
1	7.108	7.106	0.002	21792	21.4	
$ 14 2-Bromonaphthalene						
1	7.846	7.844	0.002	15405	21.1	
16 Fluorene						
1	8.510	8.506	0.004	360	0.2957	
18 Phenanthrene						
1	9.624	9.624	0.000	507	0.4054	
$ 21 o-Terphenyl						
1	10.126	10.128	-0.002	20182	16.3	
$ 25 1-Chlorooctadecane						
2	11.076	11.076	0.000	10115	11.8	
A 5 C11-C22 Aromatics						
1	11.650	7.500 -	15.800	10678	9.24	
A 3 C19-C36 Aliphatics						
2	13.300	8.500 -	18.100	3985	2.75	

Report Date: 27-Dec-2012 07:14:14 Chrom Revision: 2.0 22-Oct-2012 16:30:48

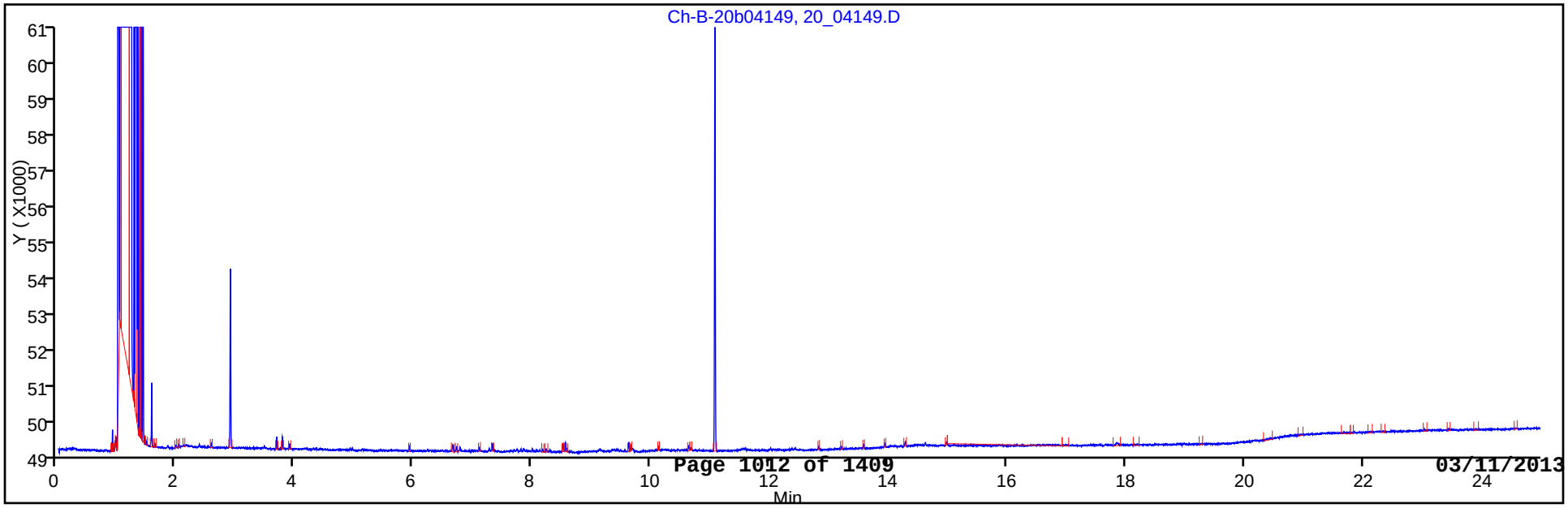
TestAmerica Buffalo

Data File:	\\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\20_04149.D		
Injection Date:	26-Dec-2012 12:39:47	Limit Group:	GC MAEPH ICAL
Client ID:	OC-SB-515-6.0/8.0-XXX	Instrument ID:	HP7890-20
Lims Batch ID:	97357	Lims Sample ID:	9
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.: 480-30106-1
SDG No.:
Client Sample ID: OC-SB-515-6.0/8.0-XXX
Lab Sample ID: 480-30106-8
Matrix: Solid
Lab File ID: 20_04149.D
Analysis Method: MA-EPH
Date Collected: 12/12/2012 10:20
Extraction Method: MA EPH Frac
Date Extracted: 12/19/2012 08:06
Sample wt/vol: 000010.4(g)
Date Analyzed: 12/26/2012 12:39
Con. Extract Vol.: 2(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: ZB-5 ID: 0.53(mm)
% Moisture: 15.4
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	59		40-140

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\20_04149.D
Lims ID: 480-30106-A-8-E
Client ID: OC-SB-515-6.0/8.0-XXX
Inject. Date: 26-Dec-2012 12:39:47
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: 9
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 07:14:14
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 07:14:14

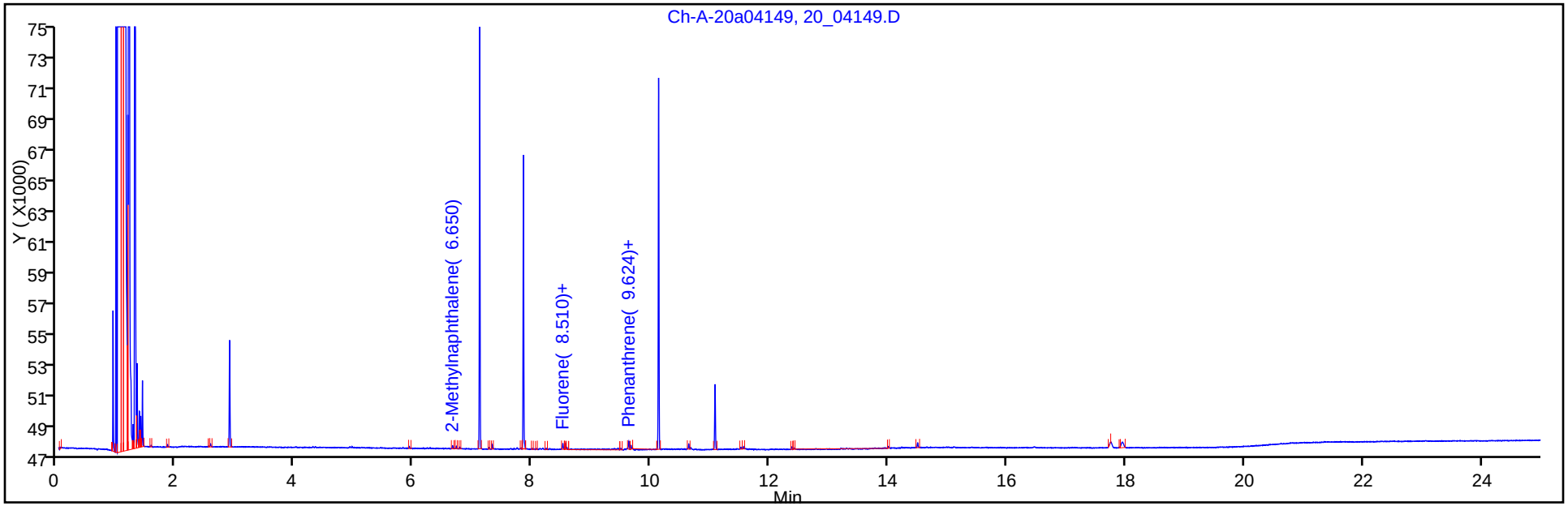
Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
A 4 C9-C18 Aliphatics						
2	6.400	3.000 -	9.800	2269	1.91	
10 2-Methylnaphthalene						
1	6.650	6.640	0.010	219	0.1925	
$ 11 2-Fluorobiphenyl						
1	7.108	7.106	0.002	21792	21.4	
$ 14 2-Bromonaphthalene						
1	7.846	7.844	0.002	15405	21.1	
16 Fluorene						
1	8.510	8.506	0.004	360	0.2957	
18 Phenanthrene						
1	9.624	9.624	0.000	507	0.4054	
$ 21 o-Terphenyl						
1	10.126	10.128	-0.002	20182	16.3	
$ 25 1-Chlorooctadecane						
2	11.076	11.076	0.000	10115	11.8	
A 5 C11-C22 Aromatics						
1	11.650	7.500 -	15.800	10678	9.24	
A 3 C19-C36 Aliphatics						
2	13.300	8.500 -	18.100	3985	2.75	

Report Date: 27-Dec-2012 07:14:14 Chrom Revision: 2.0 22-Oct-2012 16:30:48

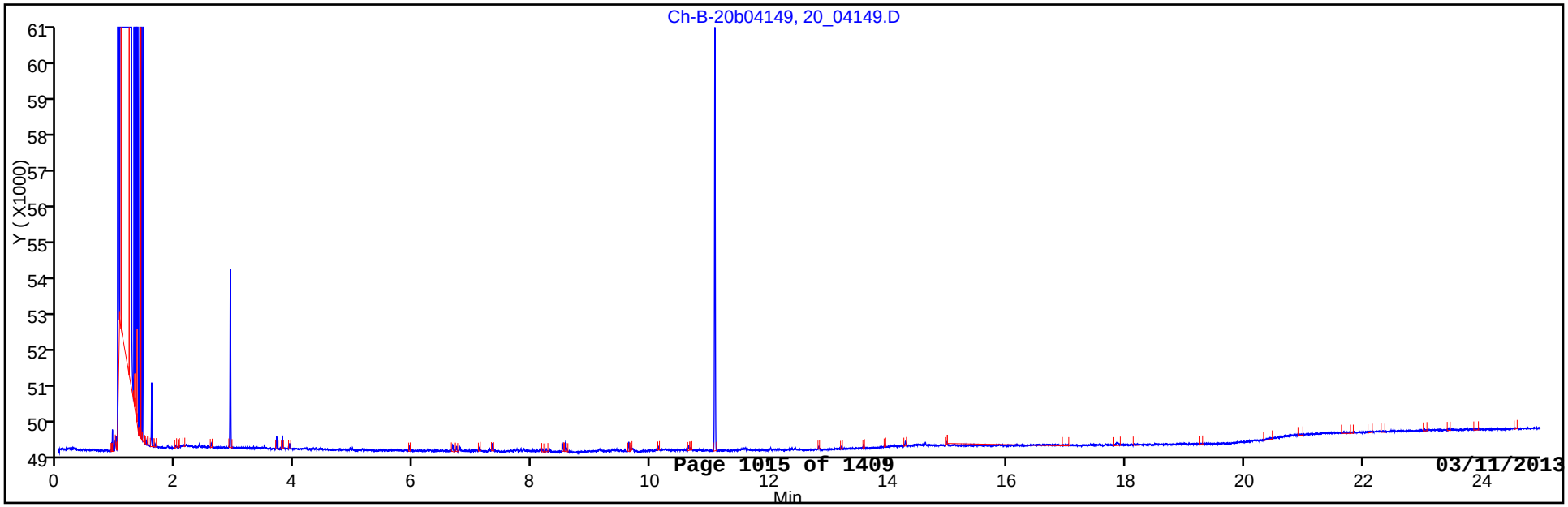
TestAmerica Buffalo

Data File:	\\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\20_04149.D		
Injection Date:	26-Dec-2012 12:39:47	Limit Group:	GC MAEPH ICAL
Client ID:	OC-SB-515-6.0/8.0-XXX	Instrument ID:	HP7890-20
Lims Batch ID:	97357	Lims Sample ID:	9
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.: 480-30106-1

SDG No.:

Client Sample ID: OC-SB-515-13/15-XXX | Lab Sample ID: 480-30106-9

Matrix: Solid | Lab File ID: 20_04150.D

Analysis Method: MA-EPH | Date Collected: 12/12/2012 10:45

Extraction Method: MA EPH Frac | Date Extracted: 12/19/2012 08:06

Sample wt/vol: 000010.8(g) | Date Analyzed: 12/26/2012 13:09

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-5 ID: 0.53(mm)

% Moisture: 16.8 | 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		1.1	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	58		40-140
321-60-8	2-Fluorobiphenyl	108		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_04150.D		
Lims ID:	480-30106-A-9-E	Client ID:	OC-SB-515-13/15-XXX
Inject. Date:	26-Dec-2012 13:09:09	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:	10
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 07:14:27	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 07:14:27

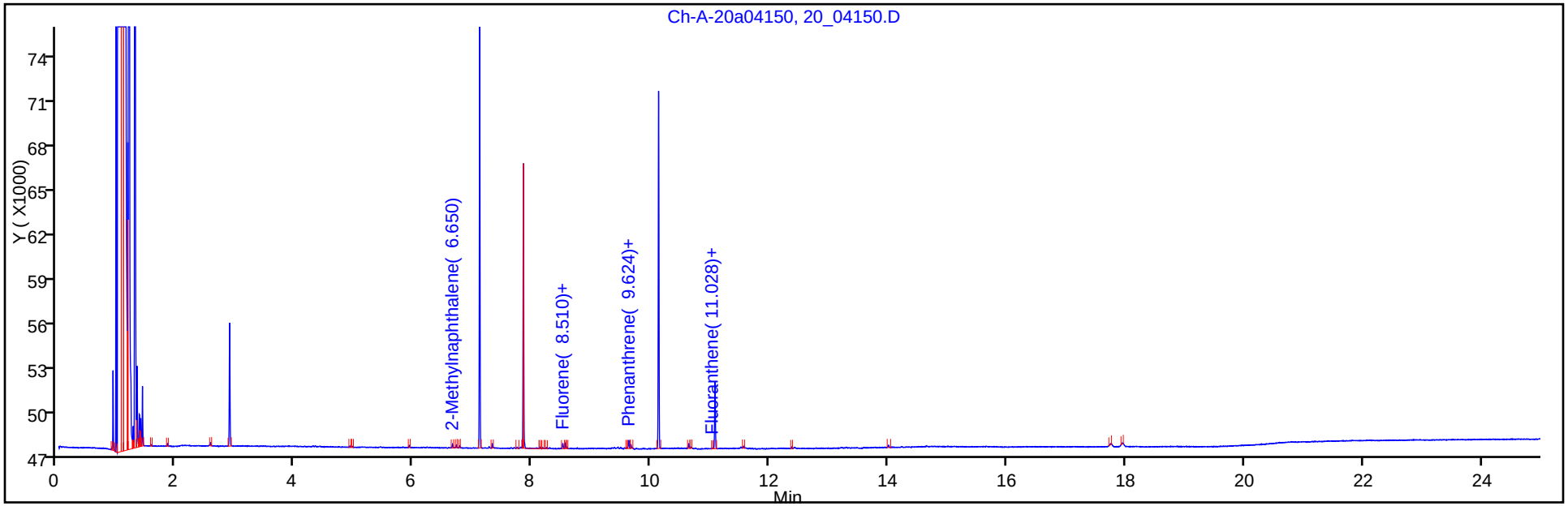
Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
A 4 C9-C18 Aliphatics						
2	6.400	3.000 -	9.800	3222	2.72	
10 2-Methylnaphthalene						
1	6.650	6.640	0.010	247	0.2171	
$ 11 2-Fluorobiphenyl						
1	7.108	7.106	0.002	22057	21.6	
$ 14 2-Bromonaphthalene						
1	7.846	7.844	0.002	8506	11.7	
16 Fluorene						
1	8.510	8.506	0.004	371	0.3048	
18 Phenanthrene						
1	9.624	9.624	0.000	547	0.4374	
$ 21 o-Terphenyl						
1	10.126	10.128	-0.002	20696	16.7	
24 Fluoranthene						
1	11.028	11.030	-0.002	50	0.0384	
$ 25 1-Chlorooctadecane						
2	11.076	11.076	0.000	9968	11.6	
A 5 C11-C22 Aromatics						
1	11.650	7.500 -	15.800	14239	12.3	
A 3 C19-C36 Aliphatics						
2	13.300	8.500 -	18.100	7184	4.96	

Report Date: 27-Dec-2012 07:14:27 Chrom Revision: 2.0 22-Oct-2012 16:30:48

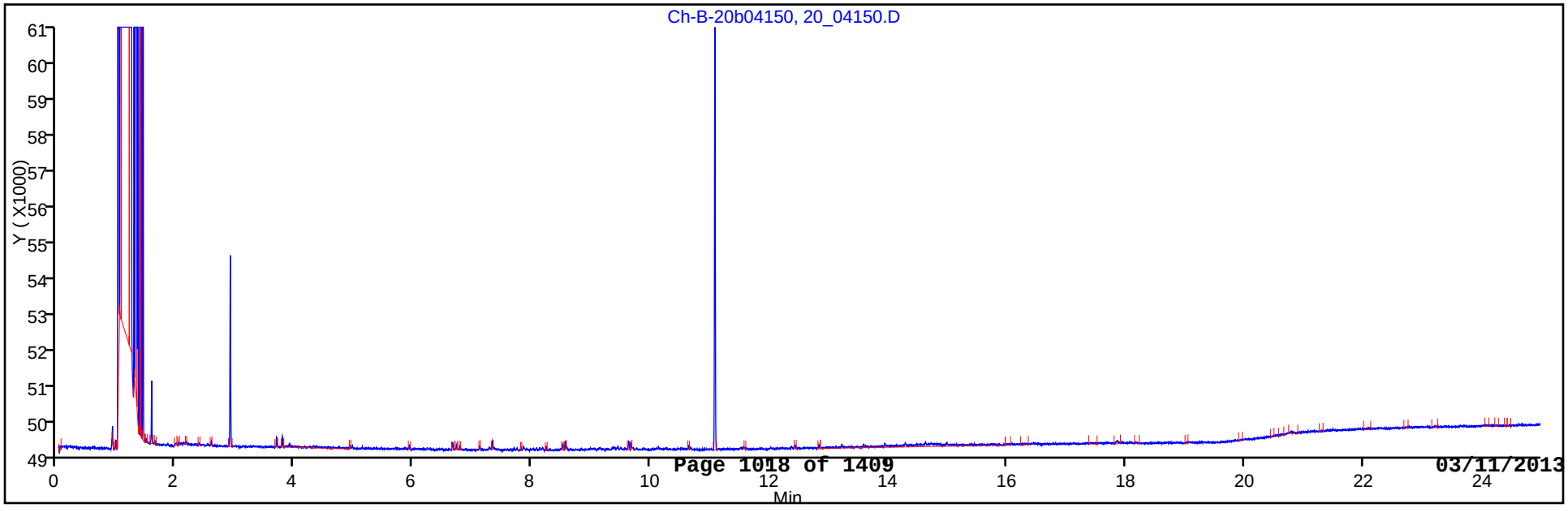
TestAmerica Buffalo

Data File:	\\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\20_04150.D		
Injection Date:	26-Dec-2012 13:09:09	Limit Group:	GC MAEPH ICAL
Client ID:	OC-SB-515-13/15-XXX	Instrument ID:	HP7890-20
Lims Batch ID:	97357	Lims Sample ID:	10
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.: 480-30106-1
SDG No.:
Client Sample ID: OC-SB-515-13/15-XXX
Lab Sample ID: 480-30106-9
Matrix: Solid
Lab File ID: 20_04150.D
Analysis Method: MA-EPH
Date Collected: 12/12/2012 10:45
Extraction Method: MA EPH Frac
Date Extracted: 12/19/2012 08:06
Sample wt/vol: 000010.8(g)
Date Analyzed: 12/26/2012 13:09
Con. Extract Vol.: 2(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: ZB-5 ID: 0.53(mm)
% Moisture: 16.8
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		11	11
STL00306	C9-C18 Aliphatics	ND		11	11

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_04150.D		
Lims ID:	480-30106-A-9-E	Client ID:	OC-SB-515-13/15-XXX
Inject. Date:	26-Dec-2012 13:09:09	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:	10
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 07:14:27	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 07:14:27

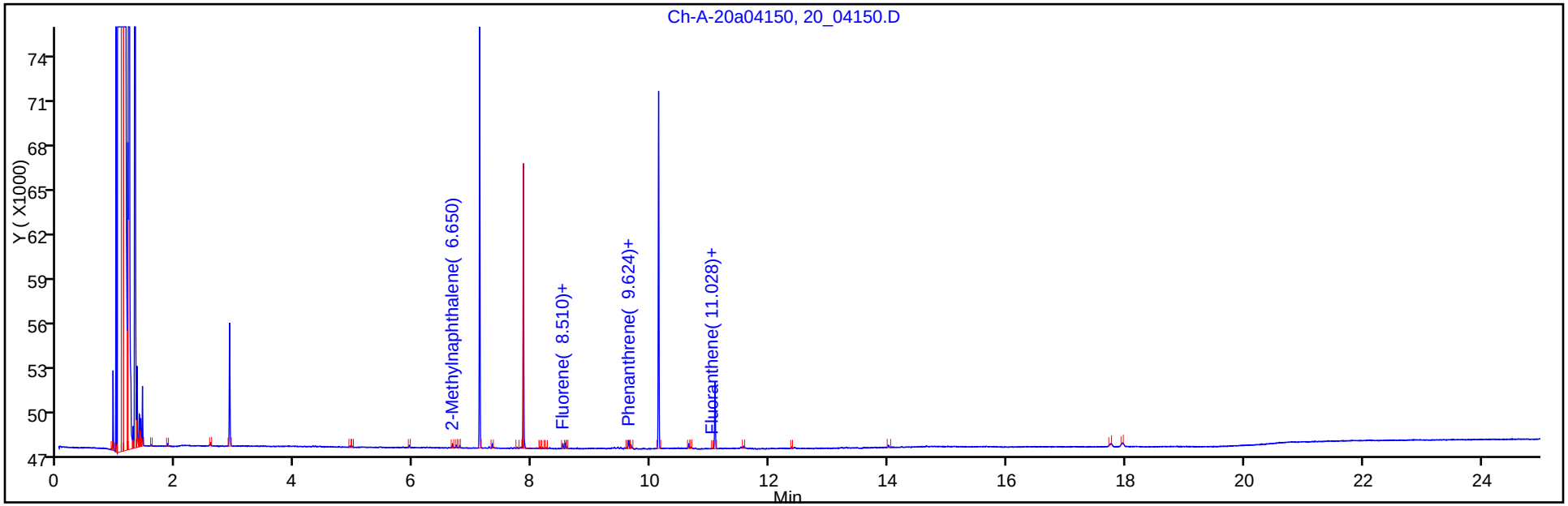
Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
A 4 C9-C18 Aliphatics						
2	6.400	3.000 -	9.800	3222	2.72	
10 2-Methylnaphthalene						
1	6.650	6.640	0.010	247	0.2171	
$ 11 2-Fluorobiphenyl						
1	7.108	7.106	0.002	22057	21.6	
$ 14 2-Bromonaphthalene						
1	7.846	7.844	0.002	8506	11.7	
16 Fluorene						
1	8.510	8.506	0.004	371	0.3048	
18 Phenanthrene						
1	9.624	9.624	0.000	547	0.4374	
$ 21 o-Terphenyl						
1	10.126	10.128	-0.002	20696	16.7	
24 Fluoranthene						
1	11.028	11.030	-0.002	50	0.0384	
$ 25 1-Chlorooctadecane						
2	11.076	11.076	0.000	9968	11.6	
A 5 C11-C22 Aromatics						
1	11.650	7.500 -	15.800	14239	12.3	
A 3 C19-C36 Aliphatics						
2	13.300	8.500 -	18.100	7184	4.96	

Report Date: 27-Dec-2012 07:14:27 Chrom Revision: 2.0 22-Oct-2012 16:30:48

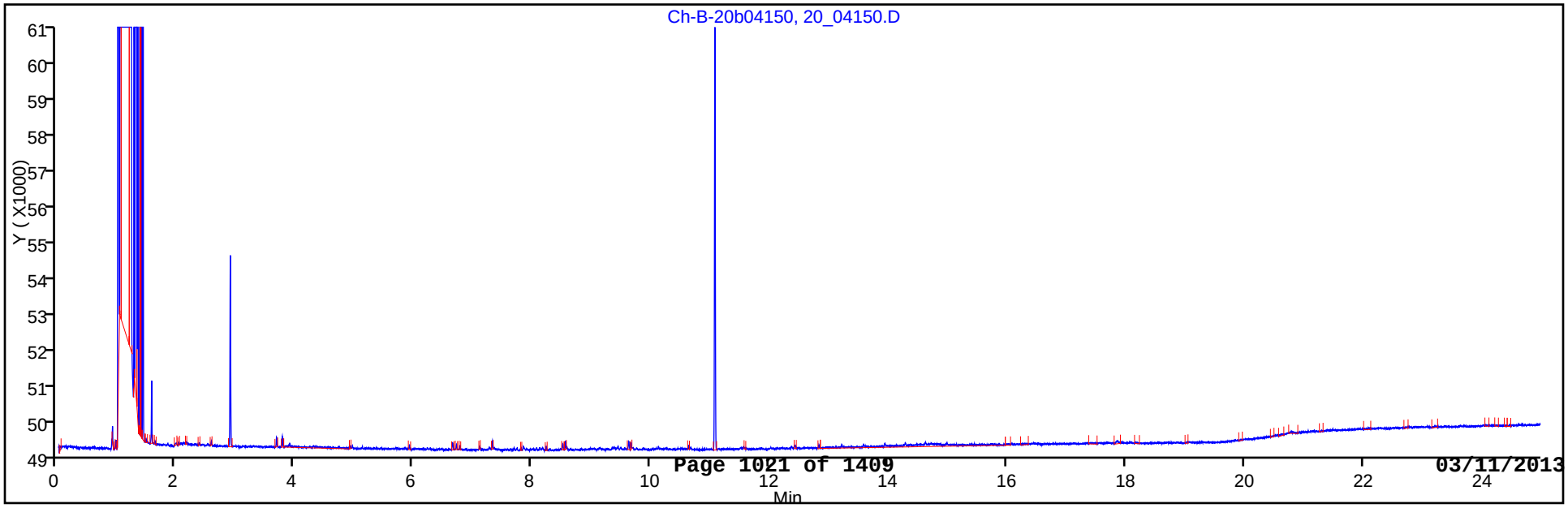
TestAmerica Buffalo

Data File:	\\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\20_04150.D		
Injection Date:	26-Dec-2012 13:09:09	Limit Group:	GC MAEPH ICAL
Client ID:	OC-SB-515-13/15-XXX	Instrument ID:	HP7890-20
Lims Batch ID:	97357	Lims Sample ID:	10
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.: 480-30106-1

SDG No.:

Client Sample ID: OC-SB-516-6.0/8.0-XXX | Lab Sample ID: 480-30106-11

Matrix: Solid | Lab File ID: 20_04151.D

Analysis Method: MA-EPH | Date Collected: 12/12/2012 11:25

Extraction Method: MA EPH Frac | Date Extracted: 12/19/2012 08:06

Sample wt/vol: 000010.5(g) | Date Analyzed: 12/26/2012 13:38

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		1.1	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	105		40-140
321-60-8	2-Fluorobiphenyl	106		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_04151.D		
Lims ID:	480-30106-A-11-E	Client ID:	OC-SB-516-6.0/8.0-XXX
Inject. Date:	26-Dec-2012 13:38:34	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:	11
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 07:14:36	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 07:14:36

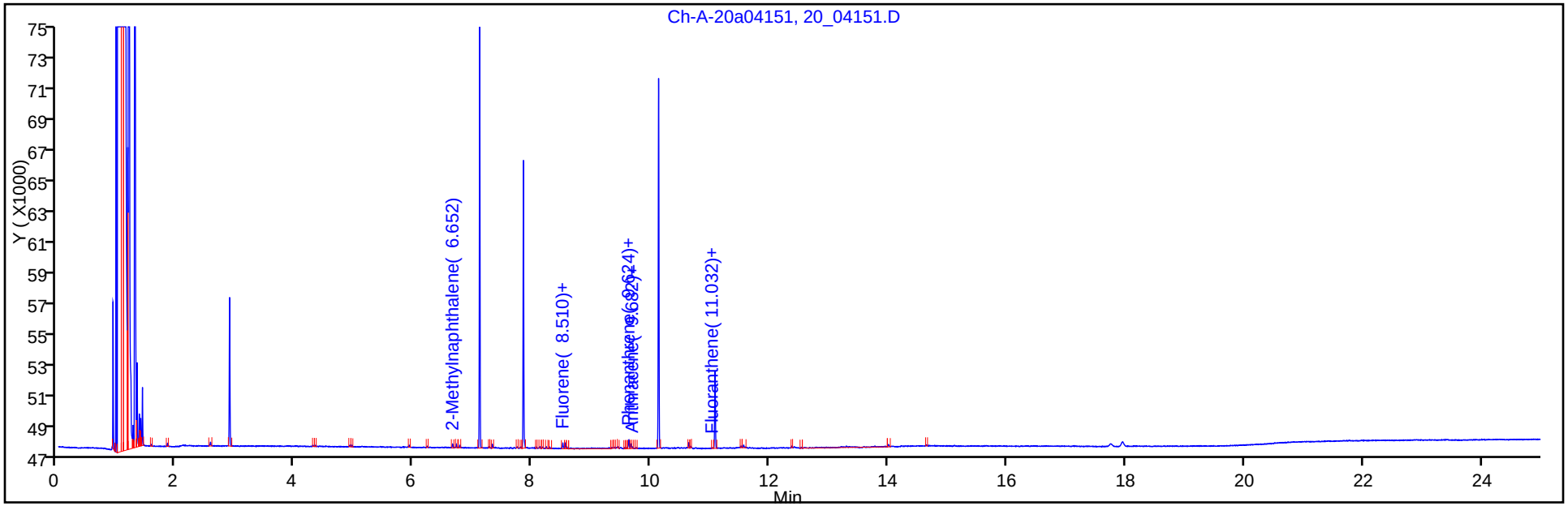
Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
A 4 C9-C18 Aliphatics						
2	6.400	3.000 -	9.800	2537	2.14	
10 2-Methylnaphthalene						
1	6.652	6.640	0.012	276	0.2426	
$ 11 2-Fluorobiphenyl						
1	7.108	7.106	0.002	21600	21.2	
$ 14 2-Bromonaphthalene						
1	7.846	7.844	0.002	15331	21.0	
16 Fluorene						
1	8.510	8.506	0.004	396	0.3253	
18 Phenanthrene						
1	9.624	9.624	0.000	632	0.5054	
20 Anthracene						
1	9.682	9.684	-0.002	108	0.0870	
$ 21 o-Terphenyl						
1	10.126	10.128	-0.002	20927	16.9	
24 Fluoranthene						
1	11.032	11.030	0.002	59	0.0453	
$ 25 1-Chlorooctadecane						
2	11.076	11.076	0.000	10225	11.9	
A 5 C11-C22 Aromatics						
1	11.650	7.500 -	15.800	10829	9.37	
A 3 C19-C36 Aliphatics						
2	13.300	8.500 -	18.100	5234	3.61	

Report Date: 27-Dec-2012 07:14:36 Chrom Revision: 2.0 22-Oct-2012 16:30:48

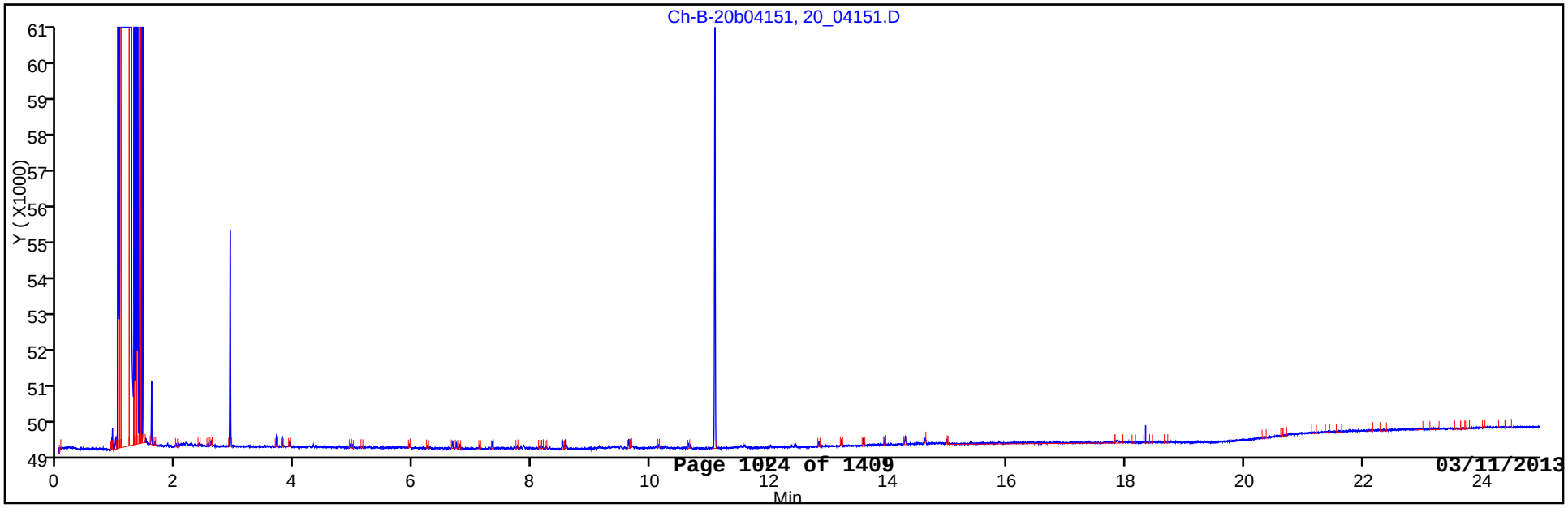
TestAmerica Buffalo

Data File:	\\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\20_04151.D		
Injection Date:	26-Dec-2012 13:38:34	Limit Group:	GC MAEPH ICAL
Client ID:	OC-SB-516-6.0/8.0-XXX	Instrument ID:	HP7890-20
Lims Batch ID:	97357	Lims Sample ID:	11
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.: 480-30106-1
SDG No.:
Client Sample ID: OC-SB-516-6.0/8.0-XXX
Lab Sample ID: 480-30106-11
Matrix: Solid
Lab File ID: 20_04151.D
Analysis Method: MA-EPH
Date Collected: 12/12/2012 11:25
Extraction Method: MA EPH Frac
Date Extracted: 12/19/2012 08:06
Sample wt/vol: 000010.5(g)
Date Analyzed: 12/26/2012 13:38
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		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_04151.D		
Lims ID:	480-30106-A-11-E	Client ID:	OC-SB-516-6.0/8.0-XXX
Inject. Date:	26-Dec-2012 13:38:34	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:	11
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 07:14:36	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 07:14:36

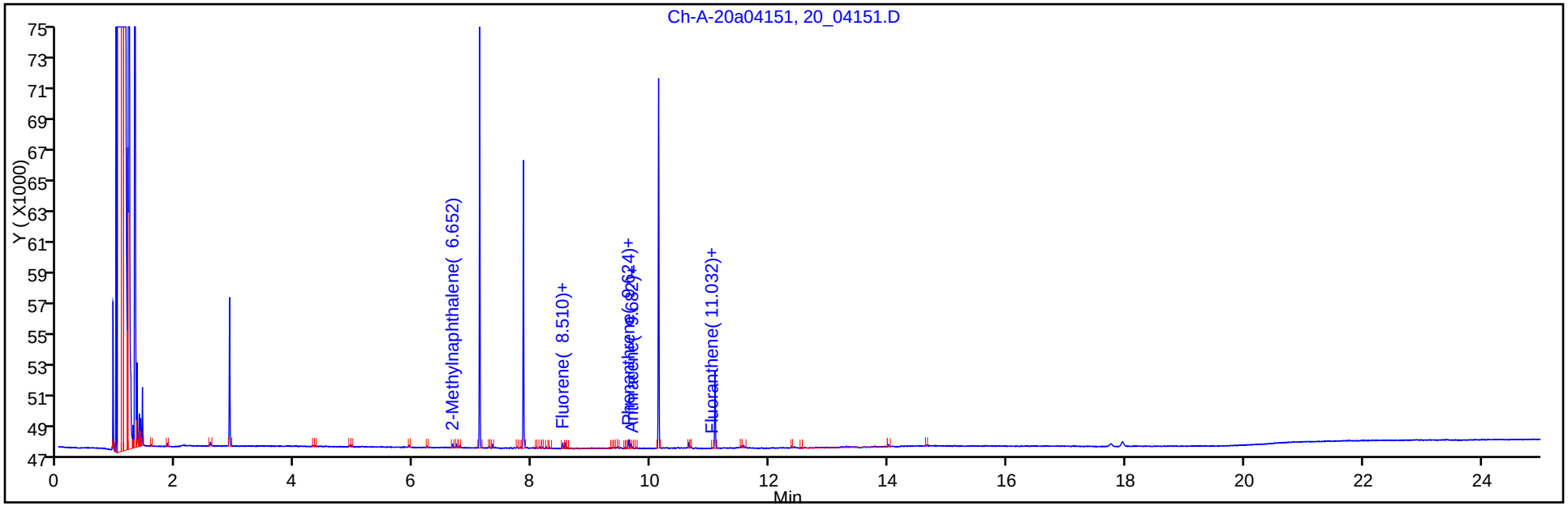
Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
A 4 C9-C18 Aliphatics						
2	6.400	3.000 -	9.800	2537	2.14	
10 2-Methylnaphthalene						
1	6.652	6.640	0.012	276	0.2426	
$ 11 2-Fluorobiphenyl						
1	7.108	7.106	0.002	21600	21.2	
$ 14 2-Bromonaphthalene						
1	7.846	7.844	0.002	15331	21.0	
16 Fluorene						
1	8.510	8.506	0.004	396	0.3253	
18 Phenanthrene						
1	9.624	9.624	0.000	632	0.5054	
20 Anthracene						
1	9.682	9.684	-0.002	108	0.0870	
$ 21 o-Terphenyl						
1	10.126	10.128	-0.002	20927	16.9	
24 Fluoranthene						
1	11.032	11.030	0.002	59	0.0453	
$ 25 1-Chlorooctadecane						
2	11.076	11.076	0.000	10225	11.9	
A 5 C11-C22 Aromatics						
1	11.650	7.500 -	15.800	10829	9.37	
A 3 C19-C36 Aliphatics						
2	13.300	8.500 -	18.100	5234	3.61	

Report Date: 27-Dec-2012 07:14:36 Chrom Revision: 2.0 22-Oct-2012 16:30:48

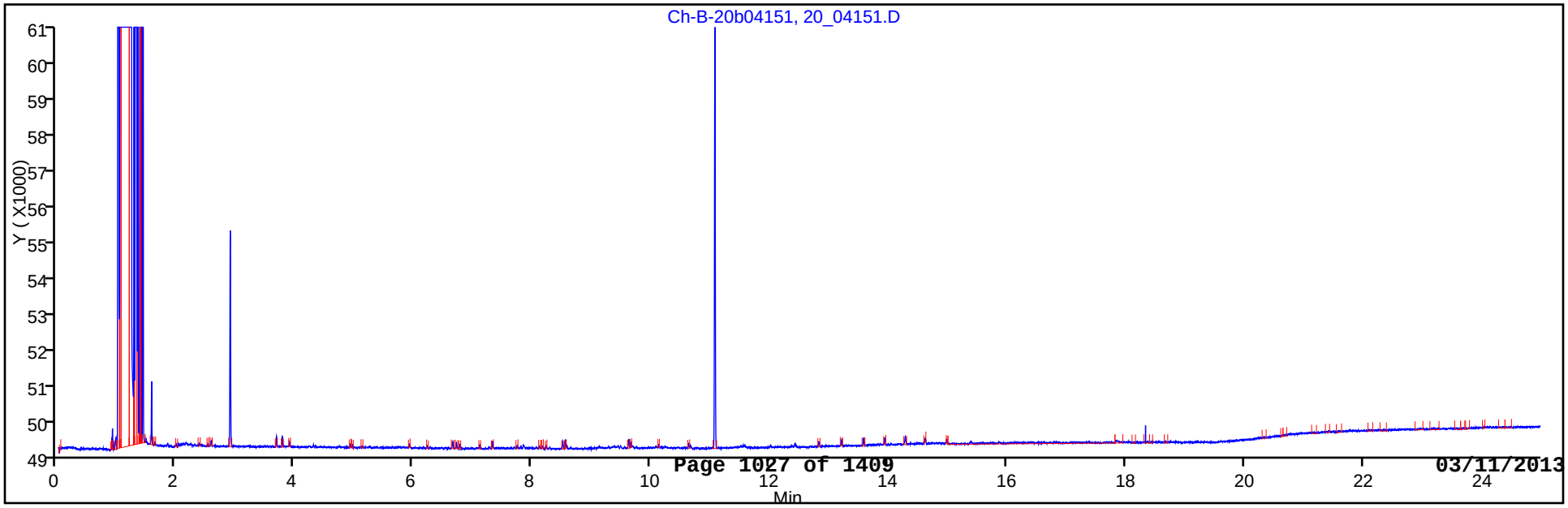
TestAmerica Buffalo

Data File:	\\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\20_04151.D		
Injection Date:	26-Dec-2012 13:38:34	Limit Group:	GC MAEPH ICAL
Client ID:	OC-SB-516-6.0/8.0-XXX	Instrument ID:	HP7890-20
Lims Batch ID:	97357	Lims Sample ID:	11
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.: 480-30106-1

SDG No.:

Client Sample ID: OC-SB-516-15/17-XXX | Lab Sample ID: 480-30106-12

Matrix: Solid | Lab File ID: 20_04152.D

Analysis Method: MA-EPH | Date Collected: 12/12/2012 11:40

Extraction Method: MA EPH Frac | Date Extracted: 12/19/2012 08:06

Sample wt/vol: 000010.3(g) | Date Analyzed: 12/26/2012 14:07

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-5 ID: 0.53(mm)

% Moisture: 21.6 | 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		1.2	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	111		40-140
321-60-8	2-Fluorobiphenyl	113		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_04152.D
Lims ID: 480-30106-A-12-E
Client ID: OC-SB-516-15/17-XXX
Inject. Date: 26-Dec-2012 14:07:59
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: 12
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 07:14:48
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 07:14:48

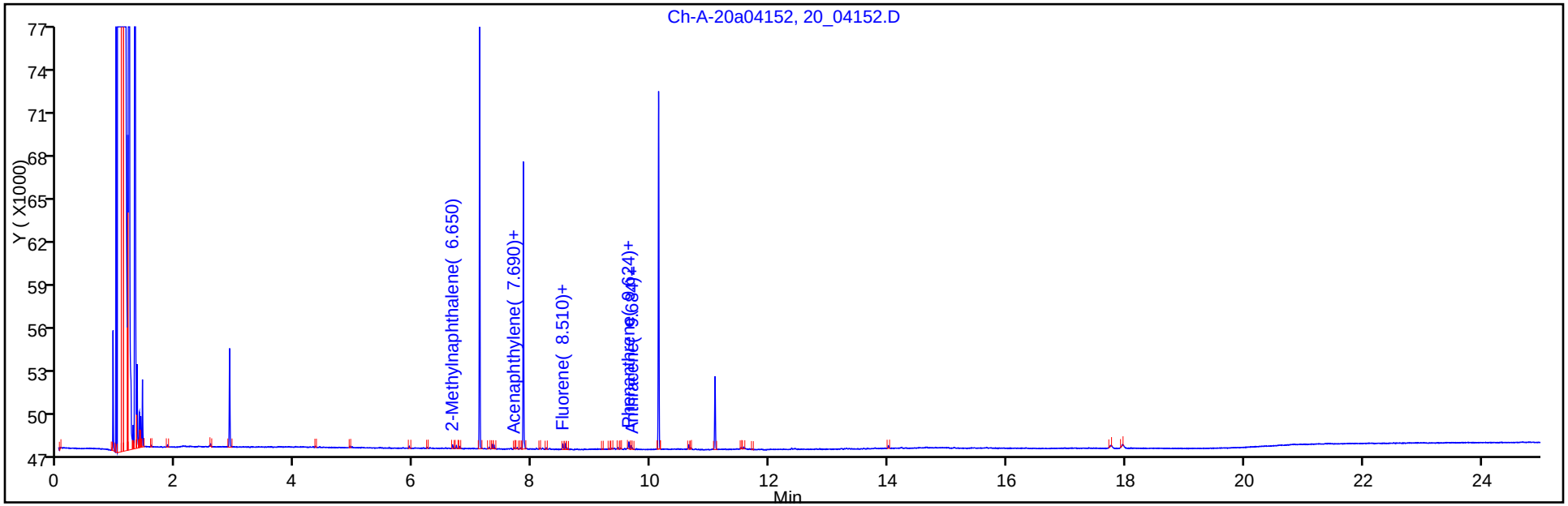
Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
A 4 C9-C18 Aliphatics						
2	6.400	3.000 -	9.800	2422	2.04	
10 2-Methylnaphthalene						
1	6.650	6.640	0.010	259	0.2277	
$ 11 2-Fluorobiphenyl						
1	7.108	7.106	0.002	22954	22.5	
13 Acenaphthylene						
1	7.690	7.680	0.010	65	0.0549	
$ 14 2-Bromonaphthalene						
1	7.844	7.844	0.000	16197	22.2	
16 Fluorene						
1	8.510	8.506	0.004	378	0.3105	
18 Phenanthrene						
1	9.624	9.624	0.000	466	0.3726	
20 Anthracene						
1	9.684	9.684	0.000	78	0.0629	
$ 21 o-Terphenyl						
1	10.126	10.128	-0.002	20969	16.9	
$ 25 1-Chlorooctadecane						
2	11.076	11.076	0.000	9162	10.6	
A 5 C11-C22 Aromatics						
1	11.650	7.500 -	15.800	7851	6.80	
A 3 C19-C36 Aliphatics						
2	13.300	8.500 -	18.100	5476	3.78	

Report Date: 27-Dec-2012 07:14:48 Chrom Revision: 2.0 22-Oct-2012 16:30:48

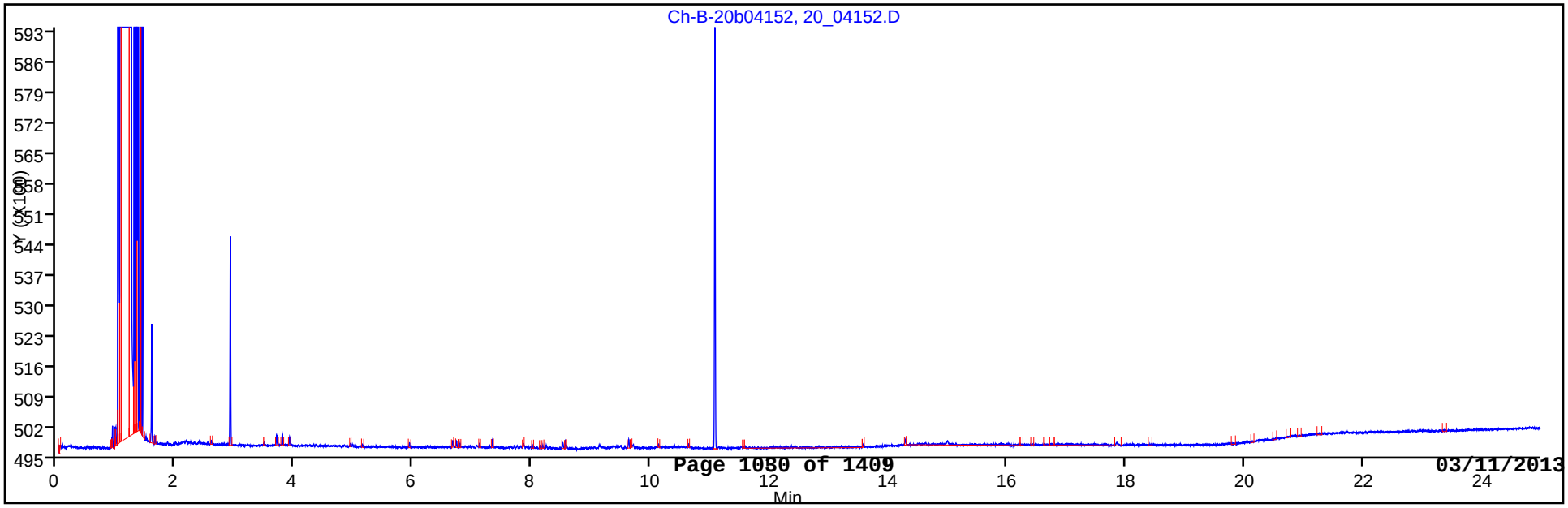
TestAmerica Buffalo

Data File:	\\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\20_04152.D		
Injection Date:	26-Dec-2012 14:07:59	Limit Group:	GC MAEPH ICAL
Client ID:	OC-SB-516-15/17-XXX	Instrument ID:	HP7890-20
Lims Batch ID:	97357	Lims Sample ID:	12
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.: 480-30106-1
SDG No.:
Client Sample ID: OC-SB-516-15/17-XXX
Lab Sample ID: 480-30106-12
Matrix: Solid
Lab File ID: 20_04152.D
Analysis Method: MA-EPH
Date Collected: 12/12/2012 11:40
Extraction Method: MA EPH Frac
Date Extracted: 12/19/2012 08:06
Sample wt/vol: 000010.3(g)
Date Analyzed: 12/26/2012 14:07
Con. Extract Vol.: 2(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: ZB-5 ID: 0.53(mm)
% Moisture: 21.6
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		12	12
STL00306	C9-C18 Aliphatics	ND		12	12

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_04152.D		
Lims ID:	480-30106-A-12-E	Client ID:	OC-SB-516-15/17-XXX
Inject. Date:	26-Dec-2012 14:07:59	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:	12
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 07:14:48	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 07:14:48

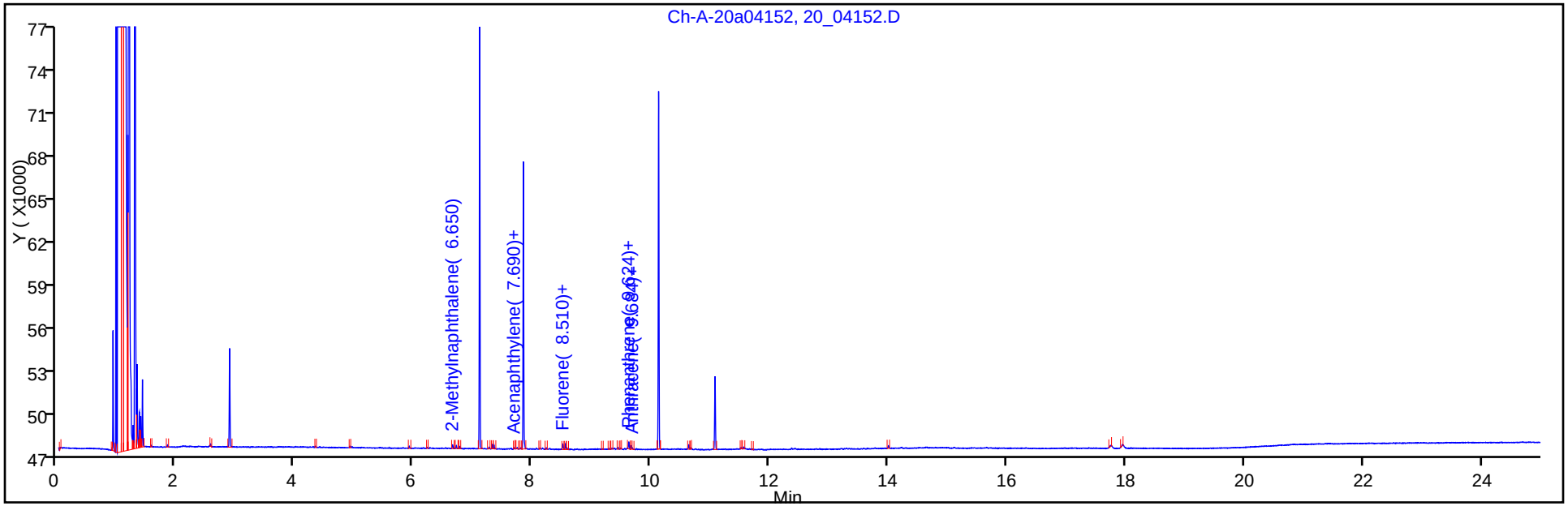
Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
A 4 C9-C18 Aliphatics						
2	6.400	3.000 -	9.800	2422	2.04	
10 2-Methylnaphthalene						
1	6.650	6.640	0.010	259	0.2277	
$ 11 2-Fluorobiphenyl						
1	7.108	7.106	0.002	22954	22.5	
13 Acenaphthylene						
1	7.690	7.680	0.010	65	0.0549	
$ 14 2-Bromonaphthalene						
1	7.844	7.844	0.000	16197	22.2	
16 Fluorene						
1	8.510	8.506	0.004	378	0.3105	
18 Phenanthrene						
1	9.624	9.624	0.000	466	0.3726	
20 Anthracene						
1	9.684	9.684	0.000	78	0.0629	
$ 21 o-Terphenyl						
1	10.126	10.128	-0.002	20969	16.9	
$ 25 1-Chlorooctadecane						
2	11.076	11.076	0.000	9162	10.6	
A 5 C11-C22 Aromatics						
1	11.650	7.500 -	15.800	7851	6.80	
A 3 C19-C36 Aliphatics						
2	13.300	8.500 -	18.100	5476	3.78	

Report Date: 27-Dec-2012 07:14:48 Chrom Revision: 2.0 22-Oct-2012 16:30:48

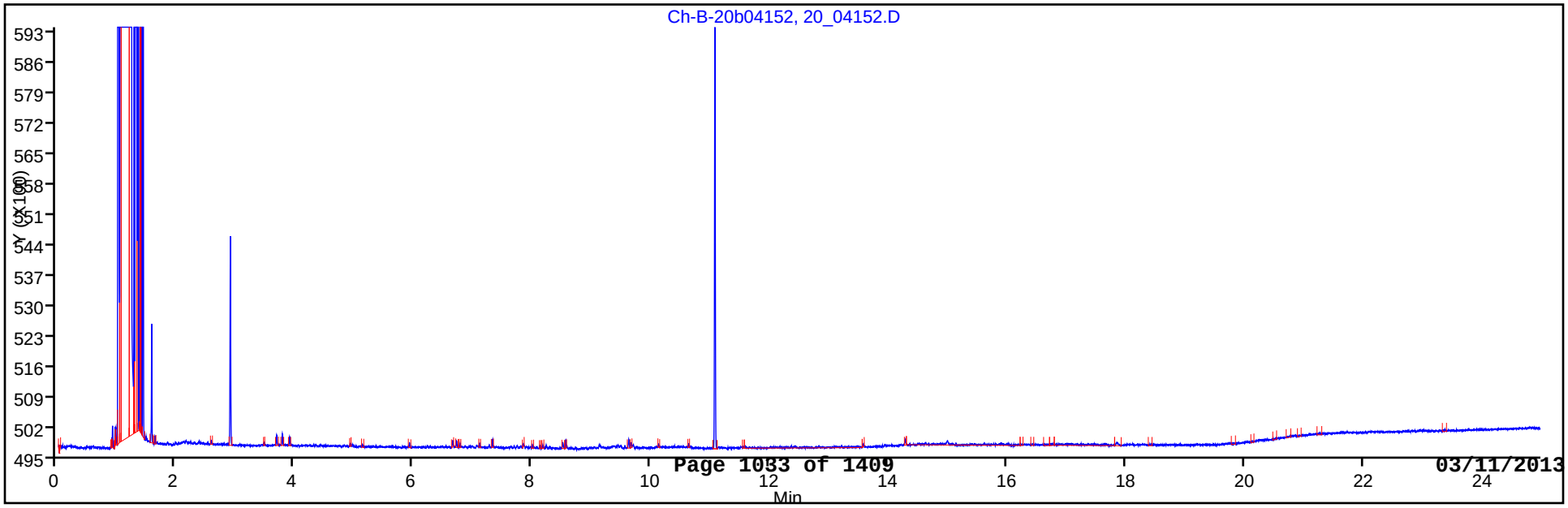
TestAmerica Buffalo

Data File:	\\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\20_04152.D		
Injection Date:	26-Dec-2012 14:07:59	Limit Group:	GC MAEPH ICAL
Client ID:	OC-SB-516-15/17-XXX	Instrument ID:	HP7890-20
Lims Batch ID:	97357	Lims Sample ID:	12
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.: 480-30106-1

SDG No.:

Client Sample ID: OC-SB-517-0.0/1.0-XXX | Lab Sample ID: 480-30106-13

Matrix: Solid | Lab File ID: 20_04154.D

Analysis Method: MA-EPH | Date Collected: 12/12/2012 12:15

Extraction Method: MA EPH Frac | Date Extracted: 12/19/2012 08:06

Sample wt/vol: 000010.8(g) | Date Analyzed: 12/26/2012 15:07

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-5 ID: 0.53(mm)

% Moisture: 9.0 | 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		1.0	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	108		40-140
321-60-8	2-Fluorobiphenyl	109		40-140
84-15-1	o-Terphenyl	76		40-140

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\20_04154.D
Lims ID: 480-30106-B-13-E
Client ID: OC-SB-517-0.0/1.0-XXX
Inject. Date: 26-Dec-2012 15:07:01
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: 14
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 07:15:06
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 07:15:06

Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
8 Naphthalene						
1	5.818	5.814	0.004	60	0.0537	
A 4 C9-C18 Aliphatics						
2	6.400	3.000 -	9.800	11242	9.49	
10 2-Methylnaphthalene						
1	6.650	6.640	0.010	241	0.2118	
$ 11 2-Fluorobiphenyl						
1	7.108	7.106	0.002	22179	21.8	
13 Acenaphthylene						
1	7.688	7.680	0.008	51	0.0430	
$ 14 2-Bromonaphthalene						
1	7.846	7.844	0.002	15791	21.6	
16 Fluorene						
1	8.510	8.506	0.004	383	0.3146	
18 Phenanthrene						
1	9.624	9.624	0.000	628	0.5022	
20 Anthracene						
1	9.682	9.684	-0.002	110	0.0886	
$ 21 o-Terphenyl						
1	10.126	10.128	-0.002	18900	15.3	
$ 25 1-Chlorooctadecane						
2	11.076	11.076	0.000	9080	10.6	
26 Pyrene						
1	11.284	11.284	0.000	52	0.0398	
A 5 C11-C22 Aromatics						
1	11.650	7.500 -	15.800	41915	36.3	

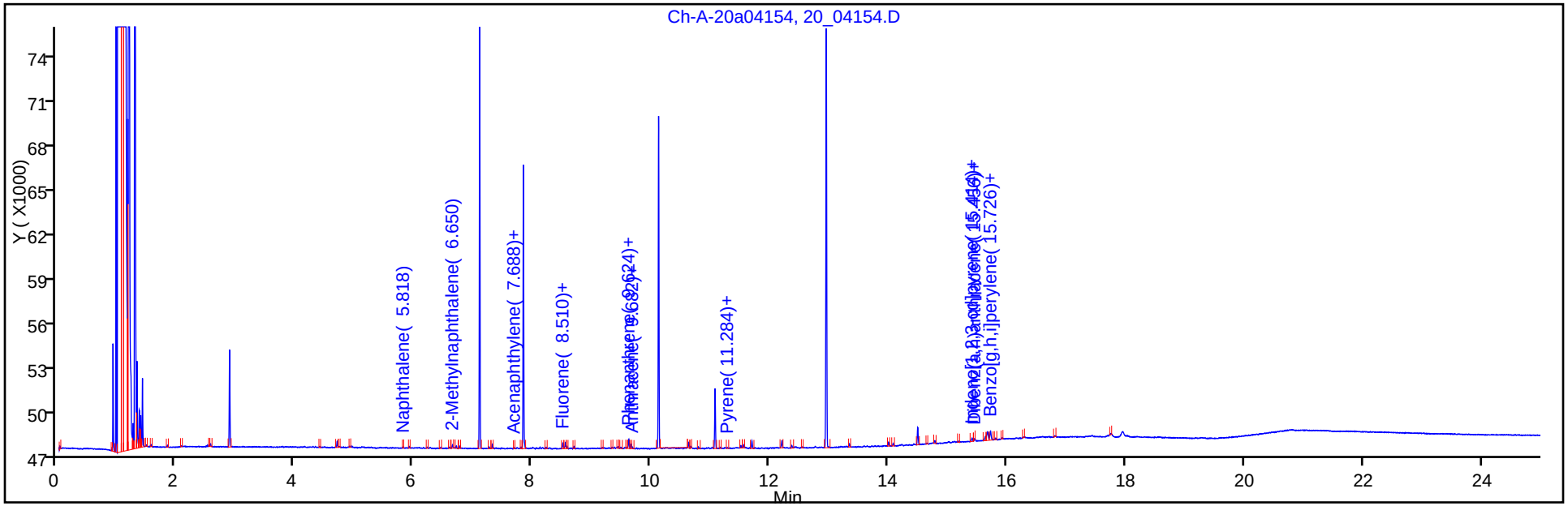
Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
A 3 C19-C36 Aliphatics						
2	13.300	8.500 - 18.100		8674	5.99	
37 Indeno[1,2,3-cd]pyrene						
1	15.414	15.426	-0.012	289	0.2302	
38 Dibenz(a,h)anthracene						
1	15.456	15.470	-0.014	60	0.0482	
39 Benzo[g,h,i]perylene						
1	15.726	15.740	-0.014	947	0.7491	

Report Date: 27-Dec-2012 07:15:07 Chrom Revision: 2.0 22-Oct-2012 16:30:48

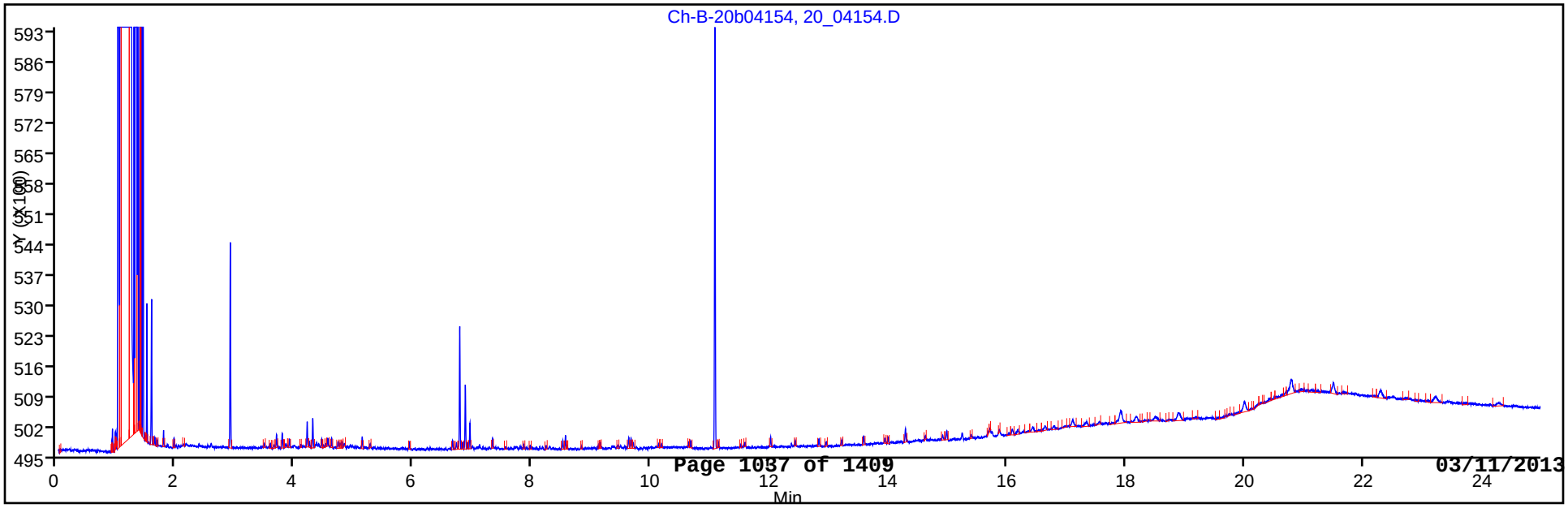
TestAmerica Buffalo

Data File:	\\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\20_04154.D		
Injection Date:	26-Dec-2012 15:07:01	Limit Group:	GC MAEPH ICAL
Client ID:	OC-SB-517-0.0/1.0-XXX	Instrument ID:	HP7890-20
Lims Batch ID:	97357	Lims Sample ID:	14
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.: 480-30106-1
SDG No.:
Client Sample ID: OC-SB-517-0.0/1.0-XXX
Lab Sample ID: 480-30106-13
Matrix: Solid
Lab File ID: 20_04154.D
Analysis Method: MA-EPH
Date Collected: 12/12/2012 12:15
Extraction Method: MA EPH Frac
Date Extracted: 12/19/2012 08:06
Sample wt/vol: 000010.8(g)
Date Analyzed: 12/26/2012 15:07
Con. Extract Vol.: 2(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: ZB-5 ID: 0.53(mm)
% Moisture: 9.0
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		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_04154.D
Lims ID: 480-30106-B-13-E
Client ID: OC-SB-517-0.0/1.0-XXX
Inject. Date: 26-Dec-2012 15:07:01
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: 14
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 07:15:06
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 07:15:06

Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
8 Naphthalene						
1	5.818	5.814	0.004	60	0.0537	
A 4 C9-C18 Aliphatics						
2	6.400	3.000 -	9.800	11242	9.49	
10 2-Methylnaphthalene						
1	6.650	6.640	0.010	241	0.2118	
$ 11 2-Fluorobiphenyl						
1	7.108	7.106	0.002	22179	21.8	
13 Acenaphthylene						
1	7.688	7.680	0.008	51	0.0430	
$ 14 2-Bromonaphthalene						
1	7.846	7.844	0.002	15791	21.6	
16 Fluorene						
1	8.510	8.506	0.004	383	0.3146	
18 Phenanthrene						
1	9.624	9.624	0.000	628	0.5022	
20 Anthracene						
1	9.682	9.684	-0.002	110	0.0886	
$ 21 o-Terphenyl						
1	10.126	10.128	-0.002	18900	15.3	
$ 25 1-Chlorooctadecane						
2	11.076	11.076	0.000	9080	10.6	
26 Pyrene						
1	11.284	11.284	0.000	52	0.0398	
A 5 C11-C22 Aromatics						
1	11.650	7.500 -	15.800	41915	36.3	

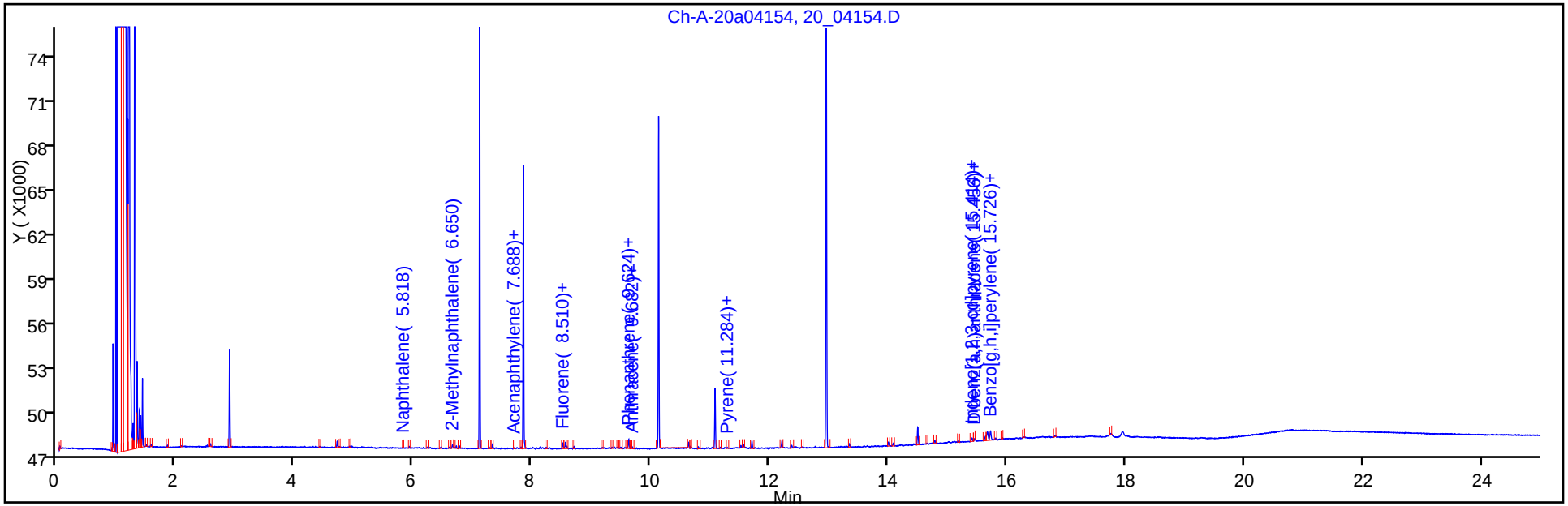
Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
A 3 C19-C36 Aliphatics						
2	13.300	8.500 - 18.100		8674	5.99	
37 Indeno[1,2,3-cd]pyrene						
1	15.414	15.426	-0.012	289	0.2302	
38 Dibenz(a,h)anthracene						
1	15.456	15.470	-0.014	60	0.0482	
39 Benzo[g,h,i]perylene						
1	15.726	15.740	-0.014	947	0.7491	

Report Date: 27-Dec-2012 07:15:07 Chrom Revision: 2.0 22-Oct-2012 16:30:48

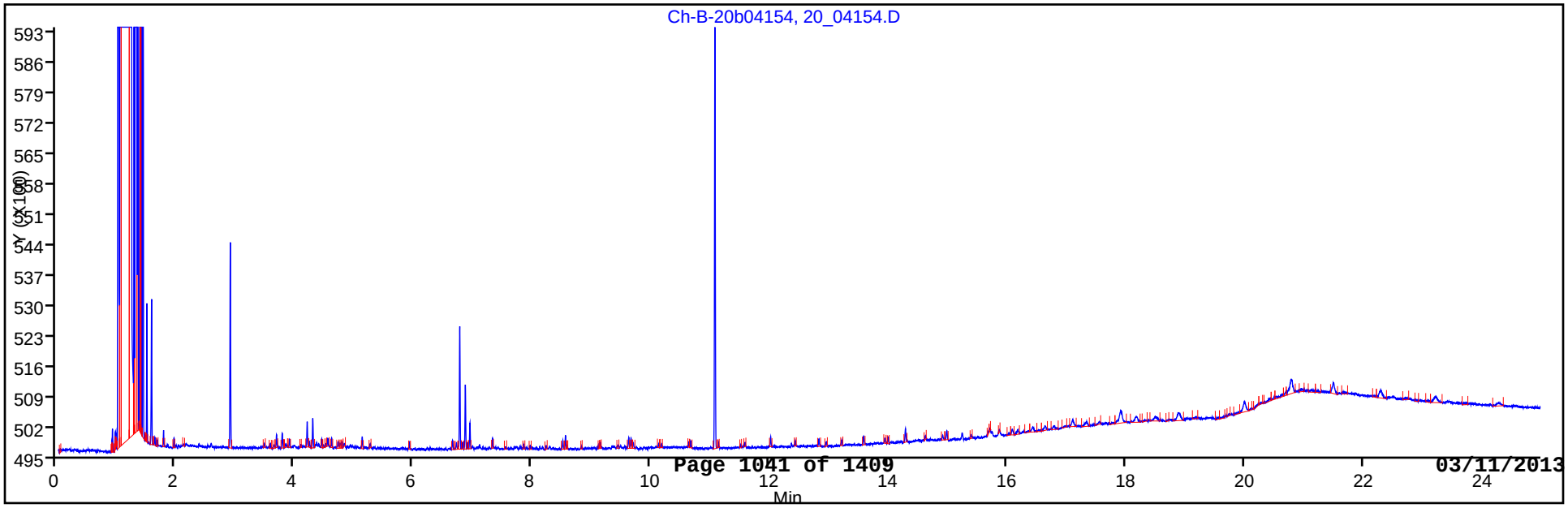
TestAmerica Buffalo

Data File:	\\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\20_04154.D		
Injection Date:	26-Dec-2012 15:07:01	Limit Group:	GC MAEPH ICAL
Client ID:	OC-SB-517-0.0/1.0-XXX	Instrument ID:	HP7890-20
Lims Batch ID:	97357	Lims Sample ID:	14
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.: 480-30106-1

SDG No.:

Client Sample ID: OC-SB-517-6.0/8.0-XXX | Lab Sample ID: 480-30106-14

Matrix: Solid | Lab File ID: 20_04155.D

Analysis Method: MA-EPH | Date Collected: 12/12/2012 12:20

Extraction Method: MA EPH Frac | Date Extracted: 12/19/2012 08:06

Sample wt/vol: 000010.2(g) | Date Analyzed: 12/26/2012 15:36

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-5 ID: 0.53(mm)

% Moisture: 9.9 | 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	111		40-140
321-60-8	2-Fluorobiphenyl	112		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_04155.D
Lims ID: 480-30106-B-14-E
Client ID: OC-SB-517-6.0/8.0-XXX
Inject. Date: 26-Dec-2012 15:36:25
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: 15
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 07:15:18
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 07:15:18

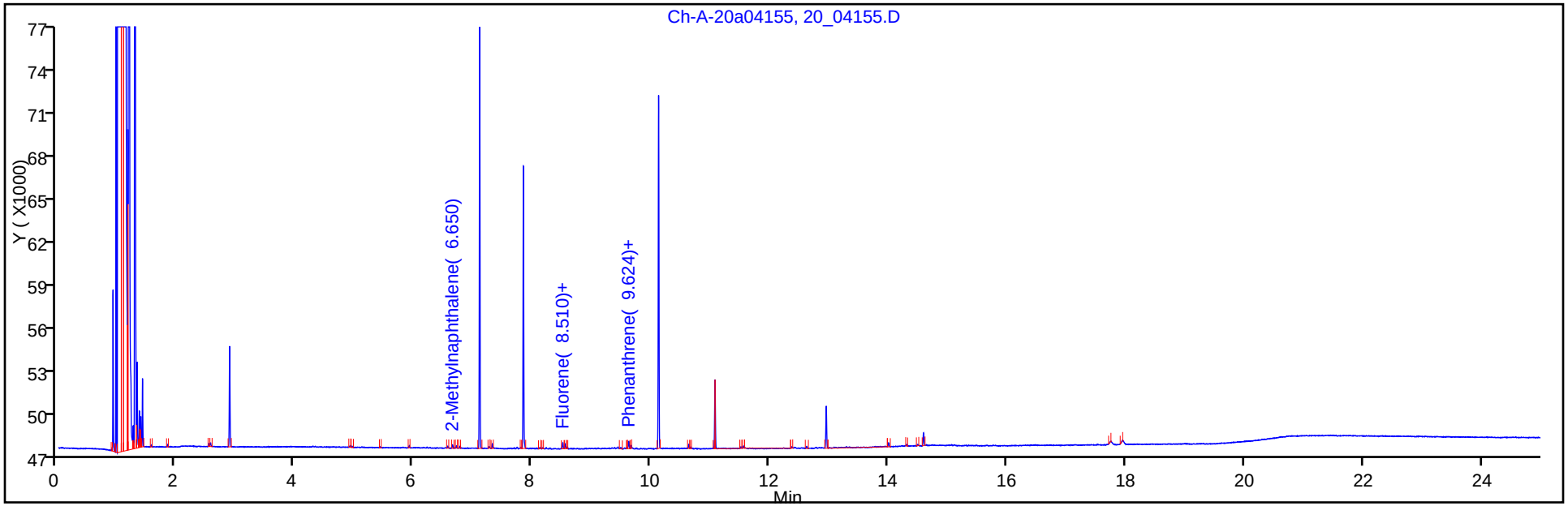
Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
A 4 C9-C18 Aliphatics						
2	6.400	3.000 -	9.800	2708	2.28	
10 2-Methylnaphthalene						
1	6.650	6.640	0.010	247	0.2171	
$ 11 2-Fluorobiphenyl						
1	7.108	7.106	0.002	22783	22.4	
$ 14 2-Bromonaphthalene						
1	7.844	7.844	0.000	16206	22.2	
16 Fluorene						
1	8.510	8.506	0.004	424	0.3483	
18 Phenanthrene						
1	9.624	9.624	0.000	532	0.4254	
$ 21 o-Terphenyl						
1	10.126	10.128	-0.002	21252	17.2	
$ 25 1-Chlorooctadecane						
2	11.074	11.076	-0.002	9422	10.9	
A 5 C11-C22 Aromatics						
1	11.650	7.500 -	15.800	13119	11.4	
A 3 C19-C36 Aliphatics						
2	13.300	8.500 -	18.100	1300	0.8978	

Report Date: 27-Dec-2012 07:15:18 Chrom Revision: 2.0 22-Oct-2012 16:30:48

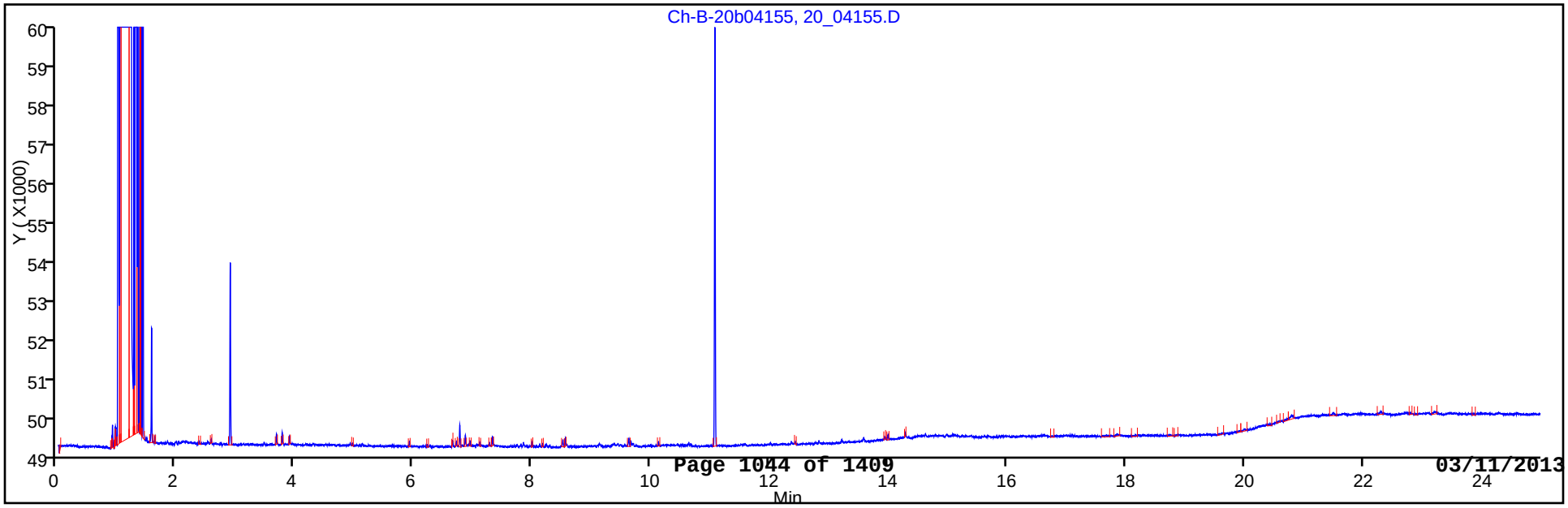
TestAmerica Buffalo

Data File:	\\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\20_04155.D		
Injection Date:	26-Dec-2012 15:36:25	Limit Group:	GC MAEPH ICAL
Client ID:	OC-SB-517-6.0/8.0-XXX	Instrument ID:	HP7890-20
Lims Batch ID:	97357	Lims Sample ID:	15
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.: 480-30106-1
SDG No.:
Client Sample ID: OC-SB-517-6.0/8.0-XXX
Lab Sample ID: 480-30106-14
Matrix: Solid
Lab File ID: 20_04155.D
Analysis Method: MA-EPH
Date Collected: 12/12/2012 12:20
Extraction Method: MA EPH Frac
Date Extracted: 12/19/2012 08:06
Sample wt/vol: 000010.2(g)
Date Analyzed: 12/26/2012 15:36
Con. Extract Vol.: 2(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: ZB-5 ID: 0.53(mm)
% Moisture: 9.9
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	55		40-140

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\20_04155.D
Lims ID: 480-30106-B-14-E
Client ID: OC-SB-517-6.0/8.0-XXX
Inject. Date: 26-Dec-2012 15:36:25
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: 15
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 07:15:18
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 07:15:18

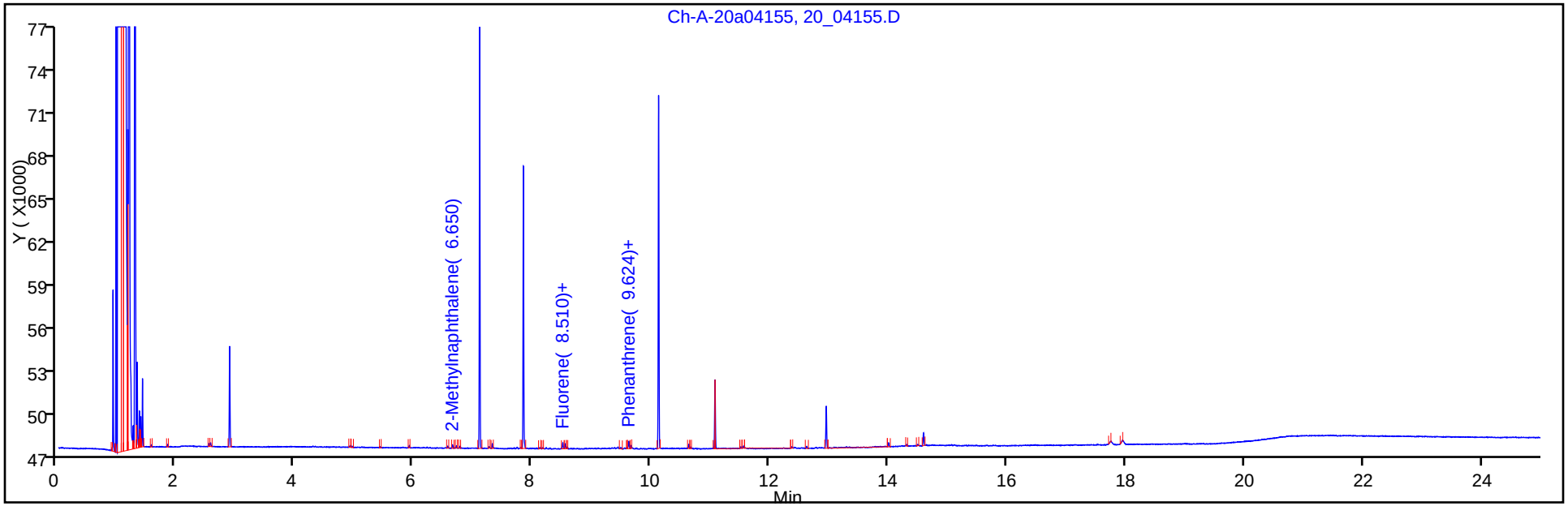
Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
A 4 C9-C18 Aliphatics						
2	6.400	3.000 -	9.800	2708	2.28	
10 2-Methylnaphthalene						
1	6.650	6.640	0.010	247	0.2171	
$ 11 2-Fluorobiphenyl						
1	7.108	7.106	0.002	22783	22.4	
$ 14 2-Bromonaphthalene						
1	7.844	7.844	0.000	16206	22.2	
16 Fluorene						
1	8.510	8.506	0.004	424	0.3483	
18 Phenanthrene						
1	9.624	9.624	0.000	532	0.4254	
$ 21 o-Terphenyl						
1	10.126	10.128	-0.002	21252	17.2	
$ 25 1-Chlorooctadecane						
2	11.074	11.076	-0.002	9422	10.9	
A 5 C11-C22 Aromatics						
1	11.650	7.500 -	15.800	13119	11.4	
A 3 C19-C36 Aliphatics						
2	13.300	8.500 -	18.100	1300	0.8978	

Report Date: 27-Dec-2012 07:15:18 Chrom Revision: 2.0 22-Oct-2012 16:30:48

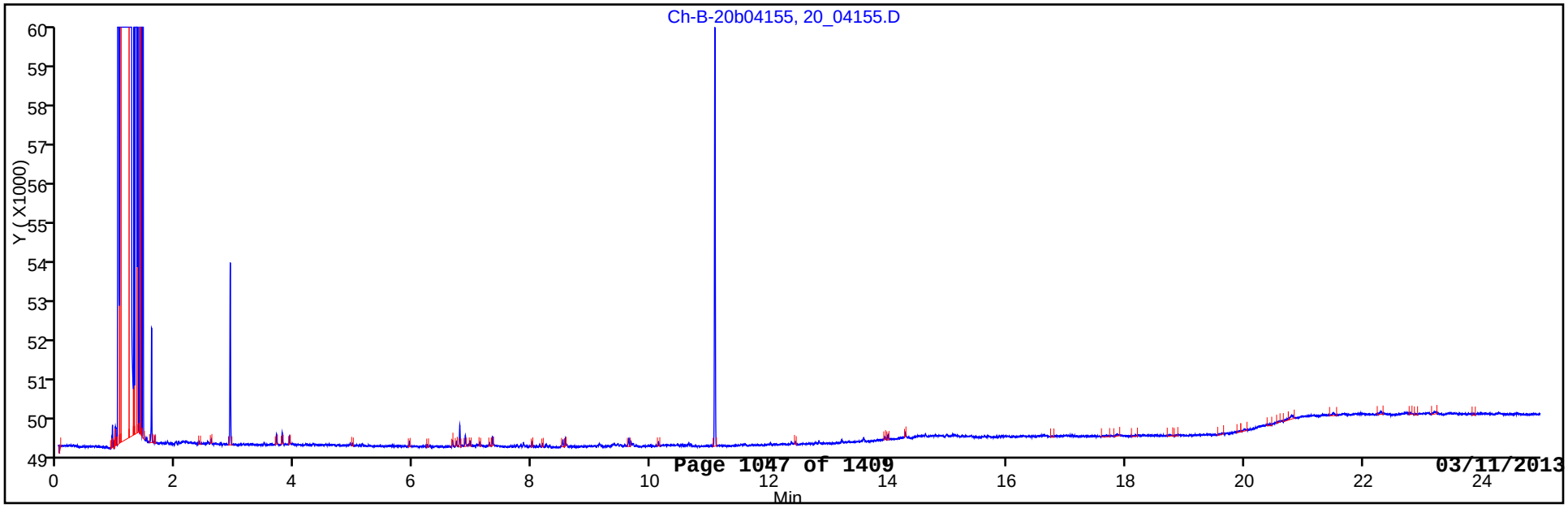
TestAmerica Buffalo

Data File:	\\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\20_04155.D		
Injection Date:	26-Dec-2012 15:36:25	Limit Group:	GC MAEPH ICAL
Client ID:	OC-SB-517-6.0/8.0-XXX	Instrument ID:	HP7890-20
Lims Batch ID:	97357	Lims Sample ID:	15
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.: 480-30106-1

SDG No.:

Client Sample ID: OC-SB-517-18/20-XXX | Lab Sample ID: 480-30106-15

Matrix: Solid | Lab File ID: 20_04156.D

Analysis Method: MA-EPH | Date Collected: 12/12/2012 12:40

Extraction Method: MA EPH Frac | Date Extracted: 12/19/2012 08:06

Sample wt/vol: 000010.1(g) | Date Analyzed: 12/26/2012 16:05

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-5 ID: 0.53(mm)

% Moisture: 21.9 | 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		1.3	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	111		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_04156.D		
Lims ID:	480-30106-B-15-E	Client ID:	OC-SB-517-18/20-XXX
Inject. Date:	26-Dec-2012 16:05:48	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:	16
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 07:15:29	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 07:15:29

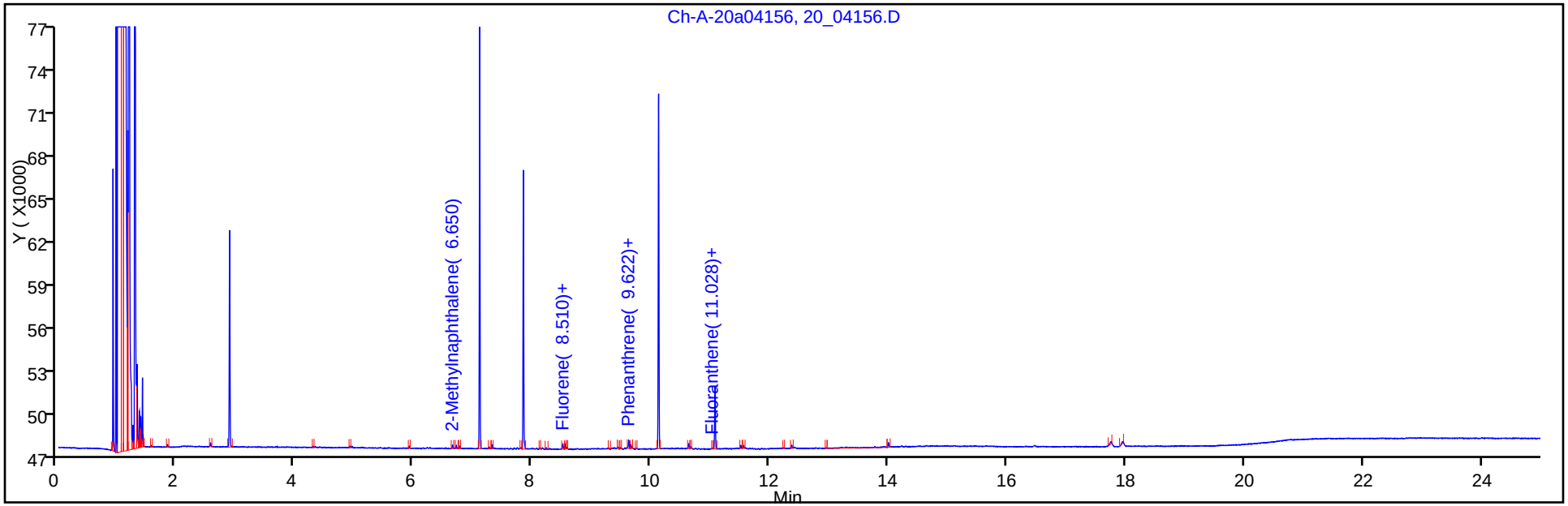
Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
A 4 C9-C18 Aliphatics						
2	6.400	3.000 -	9.800	2741	2.31	
10 2-Methylnaphthalene						
1	6.650	6.640	0.010	245	0.2154	
$ 11 2-Fluorobiphenyl						
1	7.108	7.106	0.002	22681	22.3	
$ 14 2-Bromonaphthalene						
1	7.846	7.844	0.002	16131	22.1	
16 Fluorene						
1	8.510	8.506	0.004	379	0.3113	
18 Phenanthrene						
1	9.622	9.624	-0.002	539	0.4310	
$ 21 o-Terphenyl						
1	10.126	10.128	-0.002	21167	17.1	
24 Fluoranthene						
1	11.028	11.030	-0.002	53	0.0407	
$ 25 1-Chlorooctadecane						
2	11.076	11.076	0.000	9968	11.6	
A 5 C11-C22 Aromatics						
1	11.650	7.500 -	15.800	8710	7.54	
A 3 C19-C36 Aliphatics						
2	13.300	8.500 -	18.100	8312	5.74	

Report Date: 27-Dec-2012 07:15:29 Chrom Revision: 2.0 22-Oct-2012 16:30:48

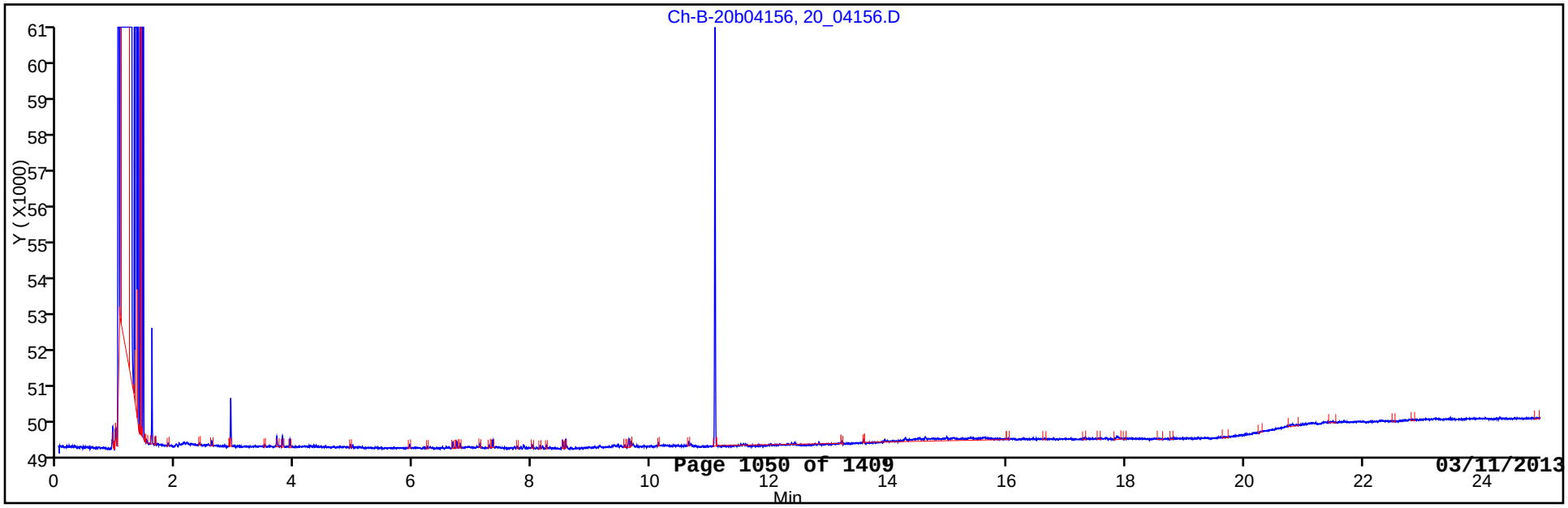
TestAmerica Buffalo

Data File:	\\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\20_04156.D		
Injection Date:	26-Dec-2012 16:05:48	Limit Group:	GC MAEPH ICAL
Client ID:	OC-SB-517-18/20-XXX	Instrument ID:	HP7890-20
Lims Batch ID:	97357	Lims Sample ID:	16
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.: 480-30106-1
SDG No.:
Client Sample ID: OC-SB-517-18/20-XXX
Lab Sample ID: 480-30106-15
Matrix: Solid
Lab File ID: 20_04156.D
Analysis Method: MA-EPH
Date Collected: 12/12/2012 12:40
Extraction Method: MA EPH Frac
Date Extracted: 12/19/2012 08:06
Sample wt/vol: 000010.1(g)
Date Analyzed: 12/26/2012 16:05
Con. Extract Vol.: 2(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: ZB-5 ID: 0.53(mm)
% Moisture: 21.9
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		13	13
STL00306	C9-C18 Aliphatics	ND		13	13

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_04156.D		
Lims ID:	480-30106-B-15-E	Client ID:	OC-SB-517-18/20-XXX
Inject. Date:	26-Dec-2012 16:05:48	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:	16
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 07:15:29	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 07:15:29

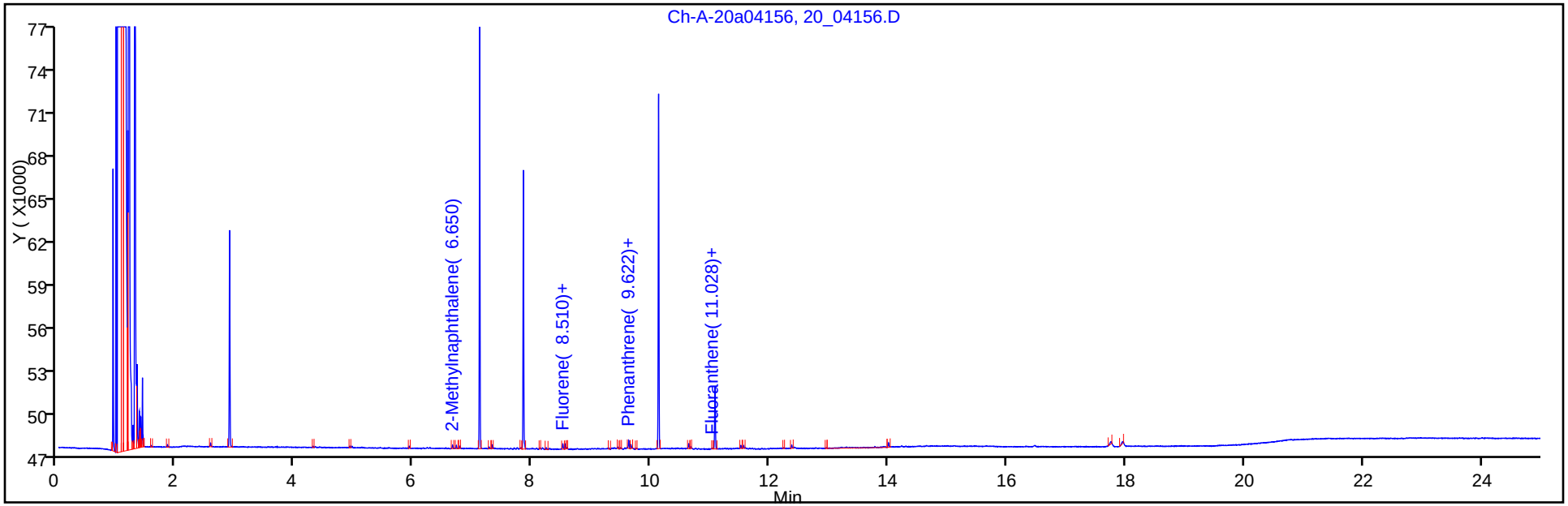
Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
A 4 C9-C18 Aliphatics						
2	6.400	3.000 -	9.800	2741	2.31	
10 2-Methylnaphthalene						
1	6.650	6.640	0.010	245	0.2154	
$ 11 2-Fluorobiphenyl						
1	7.108	7.106	0.002	22681	22.3	
$ 14 2-Bromonaphthalene						
1	7.846	7.844	0.002	16131	22.1	
16 Fluorene						
1	8.510	8.506	0.004	379	0.3113	
18 Phenanthrene						
1	9.622	9.624	-0.002	539	0.4310	
$ 21 o-Terphenyl						
1	10.126	10.128	-0.002	21167	17.1	
24 Fluoranthene						
1	11.028	11.030	-0.002	53	0.0407	
$ 25 1-Chlorooctadecane						
2	11.076	11.076	0.000	9968	11.6	
A 5 C11-C22 Aromatics						
1	11.650	7.500 -	15.800	8710	7.54	
A 3 C19-C36 Aliphatics						
2	13.300	8.500 -	18.100	8312	5.74	

Report Date: 27-Dec-2012 07:15:30 Chrom Revision: 2.0 22-Oct-2012 16:30:48

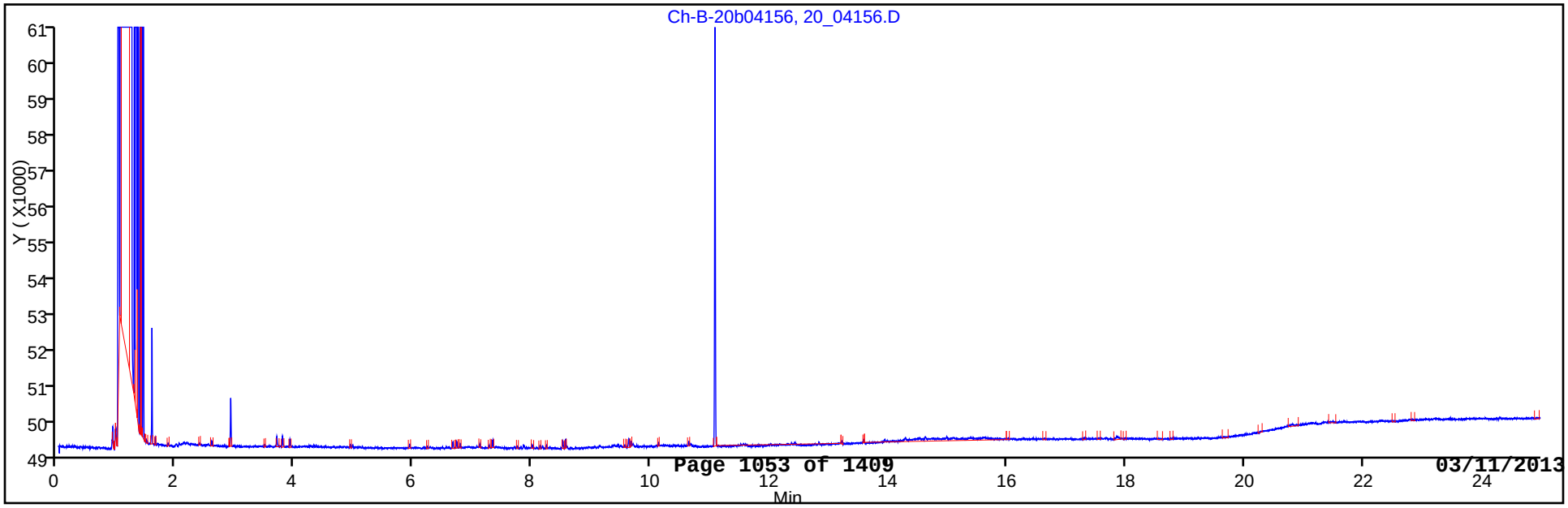
TestAmerica Buffalo

Data File:	\\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\20_04156.D		
Injection Date:	26-Dec-2012 16:05:48	Limit Group:	GC MAEPH ICAL
Client ID:	OC-SB-517-18/20-XXX	Instrument ID:	HP7890-20
Lims Batch ID:	97357	Lims Sample ID:	16
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.: 480-30106-1

SDG No.:

Client Sample ID: OC-DUP-4 | Lab Sample ID: 480-30106-22

Matrix: Solid | Lab File ID: 20_04157.D

Analysis Method: MA-EPH | Date Collected: 12/12/2012 00:00

Extraction Method: MA EPH Frac | Date Extracted: 12/19/2012 08:06

Sample wt/vol: 000010.5(g) | Date Analyzed: 12/26/2012 16:35

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-5 ID: 0.53(mm)

% Moisture: 15.8 | 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		1.1	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	107		40-140
321-60-8	2-Fluorobiphenyl	108		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_04157.D		
Lims ID:	480-30106-B-22-D	Client ID:	OC-DUP-4
Inject. Date:	26-Dec-2012 16:35:14	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:	17
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 07:15:41	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 07:15:41

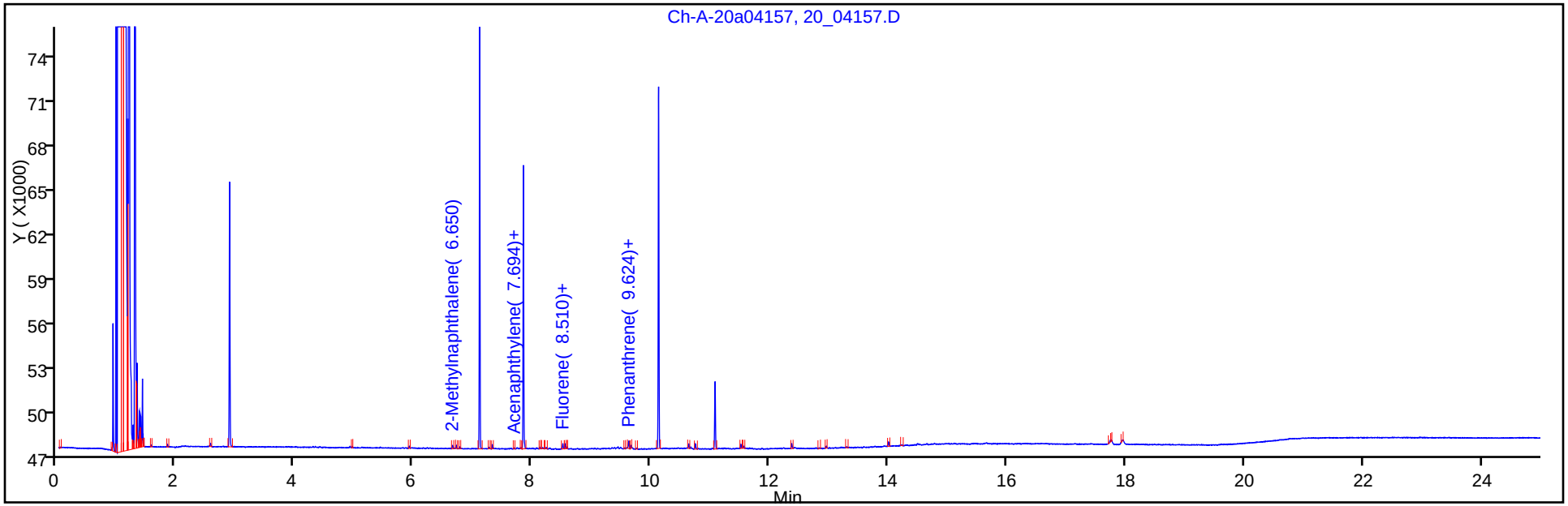
Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
A 4 C9-C18 Aliphatics						
2	6.400	3.000 -	9.800	2856	2.41	
10 2-Methylnaphthalene						
1	6.650	6.640	0.010	247	0.2171	
$ 11 2-Fluorobiphenyl						
1	7.108	7.106	0.002	22106	21.7	
13 Acenaphthylene						
1	7.694	7.680	0.014	58	0.0489	
$ 14 2-Bromonaphthalene						
1	7.846	7.844	0.002	15589	21.4	
16 Fluorene						
1	8.510	8.506	0.004	339	0.2785	
18 Phenanthrene						
1	9.624	9.624	0.000	517	0.4134	
$ 21 o-Terphenyl						
1	10.126	10.128	-0.002	20686	16.7	
$ 25 1-Chlorooctadecane						
2	11.078	11.076	0.002	9674	11.2	
A 5 C11-C22 Aromatics						
1	11.650	7.500 -	15.800	8073	6.99	
A 3 C19-C36 Aliphatics						
2	13.300	8.500 -	18.100	5527	3.82	

Report Date: 27-Dec-2012 07:15:41 Chrom Revision: 2.0 22-Oct-2012 16:30:48

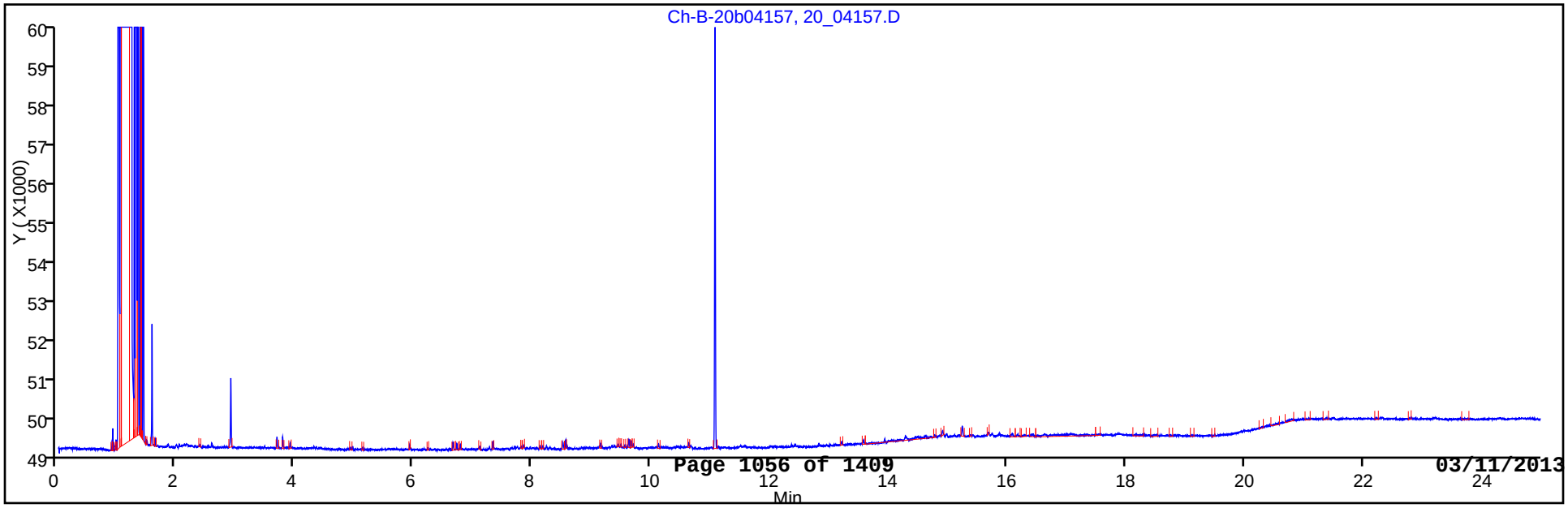
TestAmerica Buffalo

Data File:	\\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\20_04157.D		
Injection Date:	26-Dec-2012 16:35:14	Limit Group:	GC MAEPH ICAL
Client ID:	OC-DUP-4	Instrument ID:	HP7890-20
Lims Batch ID:	97357	Lims Sample ID:	17
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.: 480-30106-1
SDG No.:
Client Sample ID: OC-DUP-4
Lab Sample ID: 480-30106-22
Matrix: Solid
Lab File ID: 20_04157.D
Analysis Method: MA-EPH
Date Collected: 12/12/2012 00:00
Extraction Method: MA EPH Frac
Date Extracted: 12/19/2012 08:06
Sample wt/vol: 000010.5(g)
Date Analyzed: 12/26/2012 16:35
Con. Extract Vol.: 2(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: ZB-5 ID: 0.53(mm)
% Moisture: 15.8
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		11	11
STL00306	C9-C18 Aliphatics	ND		11	11

CAS NO.	SURROGATE	%REC	Q	LIMITS
3386-33-2	1-Chlorooctadecane	56		40-140

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\20_04157.D		
Lims ID:	480-30106-B-22-D	Client ID:	OC-DUP-4
Inject. Date:	26-Dec-2012 16:35:14	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:	17
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 07:15:41	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 07:15:41

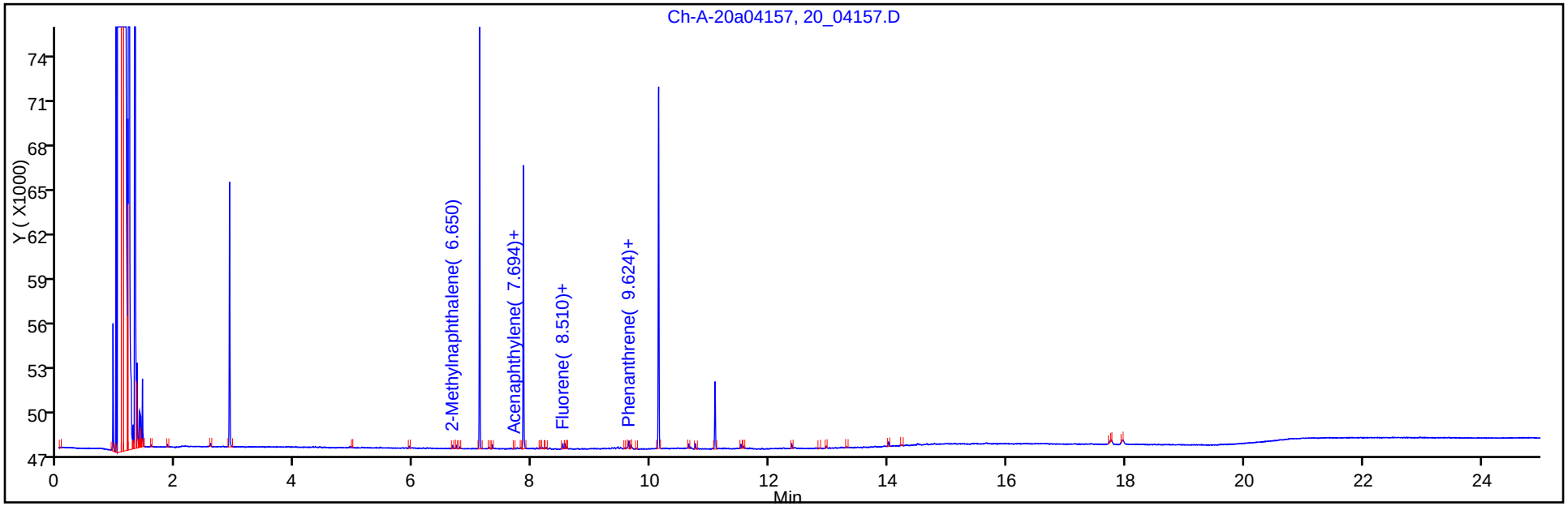
Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
A 4 C9-C18 Aliphatics						
2	6.400	3.000 -	9.800	2856	2.41	
10 2-Methylnaphthalene						
1	6.650	6.640	0.010	247	0.2171	
$ 11 2-Fluorobiphenyl						
1	7.108	7.106	0.002	22106	21.7	
13 Acenaphthylene						
1	7.694	7.680	0.014	58	0.0489	
$ 14 2-Bromonaphthalene						
1	7.846	7.844	0.002	15589	21.4	
16 Fluorene						
1	8.510	8.506	0.004	339	0.2785	
18 Phenanthrene						
1	9.624	9.624	0.000	517	0.4134	
$ 21 o-Terphenyl						
1	10.126	10.128	-0.002	20686	16.7	
$ 25 1-Chlorooctadecane						
2	11.078	11.076	0.002	9674	11.2	
A 5 C11-C22 Aromatics						
1	11.650	7.500 -	15.800	8073	6.99	
A 3 C19-C36 Aliphatics						
2	13.300	8.500 -	18.100	5527	3.82	

Report Date: 27-Dec-2012 07:15:41 Chrom Revision: 2.0 22-Oct-2012 16:30:48

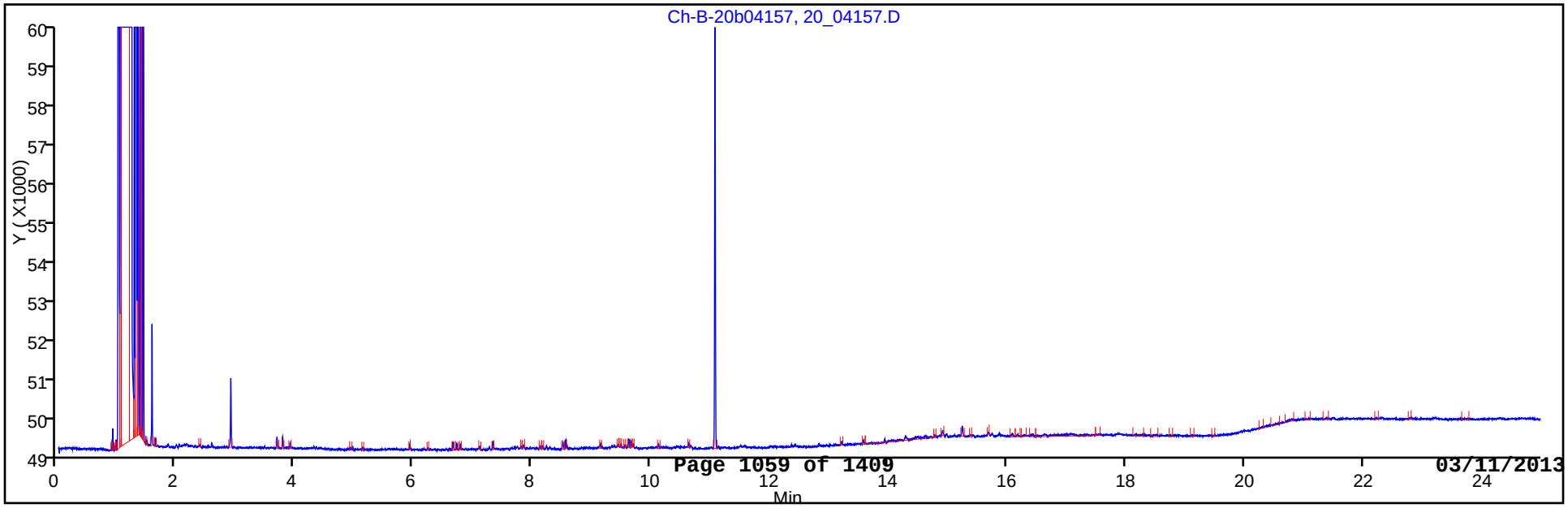
TestAmerica Buffalo

Data File:	\\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\20_04157.D		
Injection Date:	26-Dec-2012 16:35:14	Limit Group:	GC MAEPH ICAL
Client ID:	OC-DUP-4	Instrument ID:	HP7890-20
Lims Batch ID:	97357	Lims Sample ID:	17
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.: 480-30106-1 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.: 480-30106-1 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.: 480-30106-1 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.: 480-30106-1 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.: 480-30106-1 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	

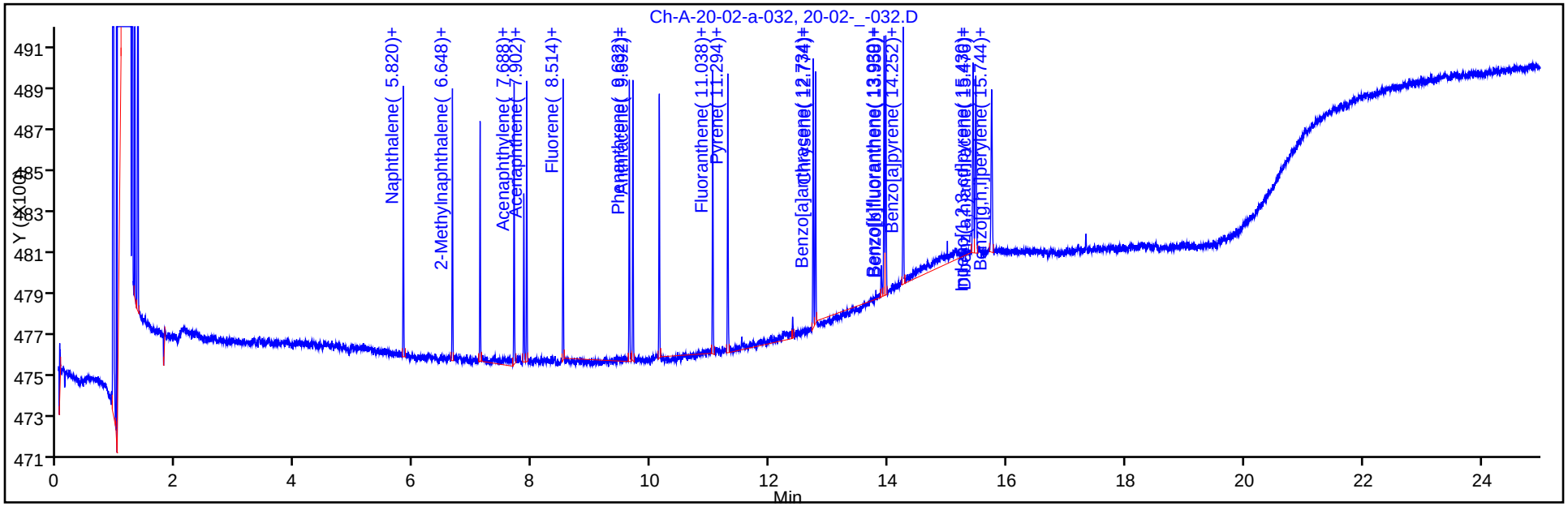
Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
E 40 n-Hexatriacontane						
2	17.994	17.996	-0.002	1055	0.9566	

Report Date: 07-Nov-2012 11:37:04 Chrom Revision: 2.0 22-Oct-2012 16:30:48

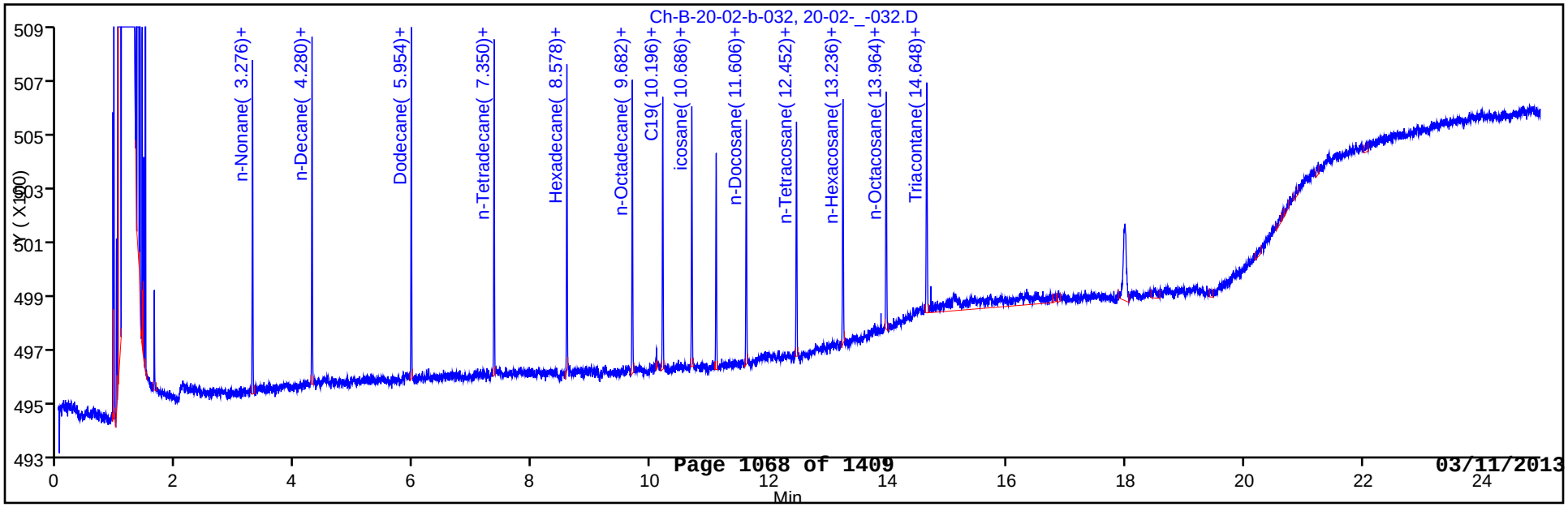
TestAmerica Buffalo

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	

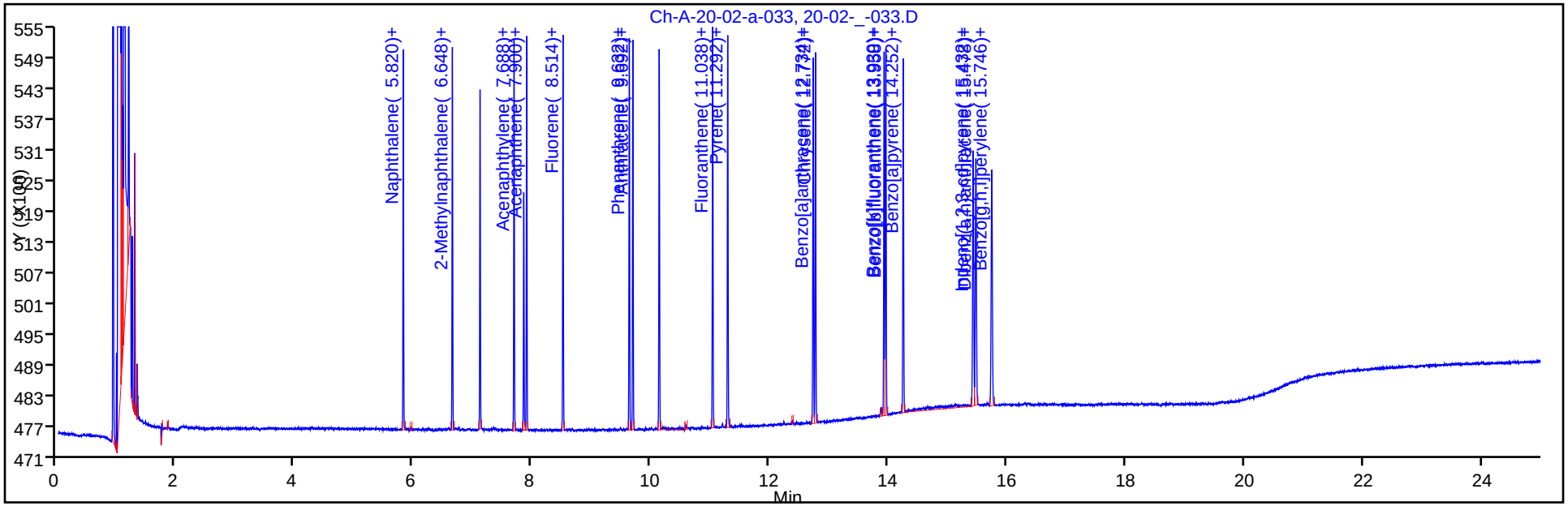
Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
E 40 n-Hexatriacontane						
2	17.992	17.996	-0.004	5485	4.97	

Report Date: 07-Nov-2012 11:37:08 Chrom Revision: 2.0 22-Oct-2012 16:30:48

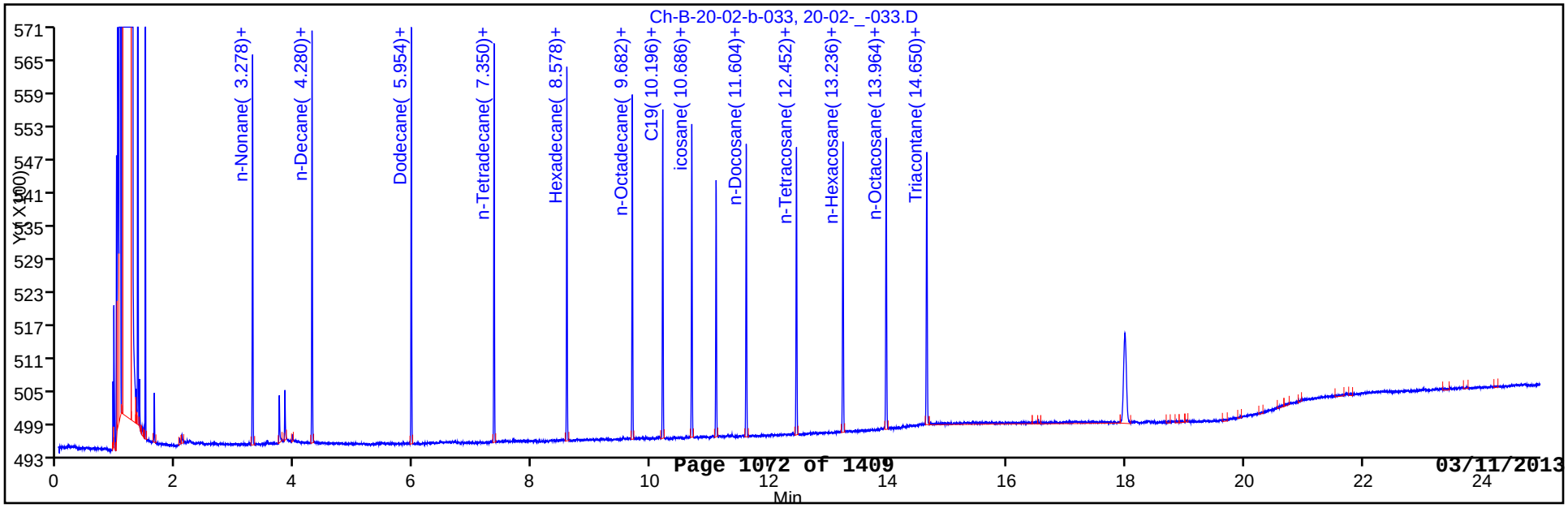
TestAmerica Buffalo

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	

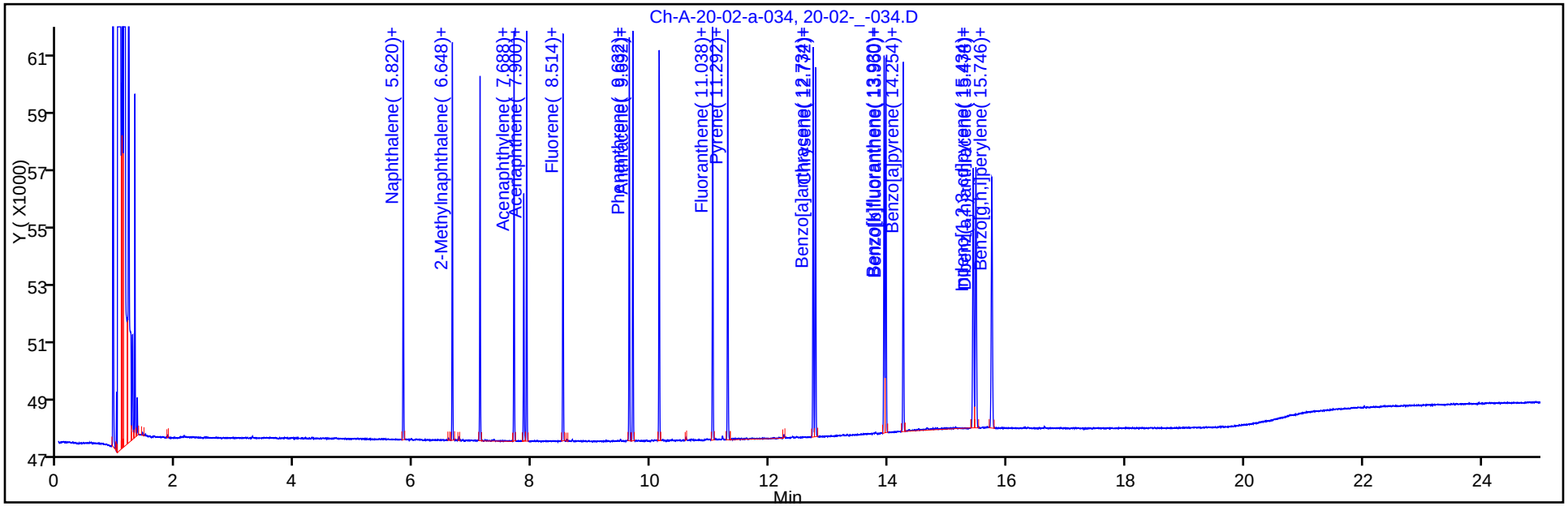
Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
E 40 n-Hexatriacontane						
2	17.994	17.996	-0.002	10762	9.76	

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:



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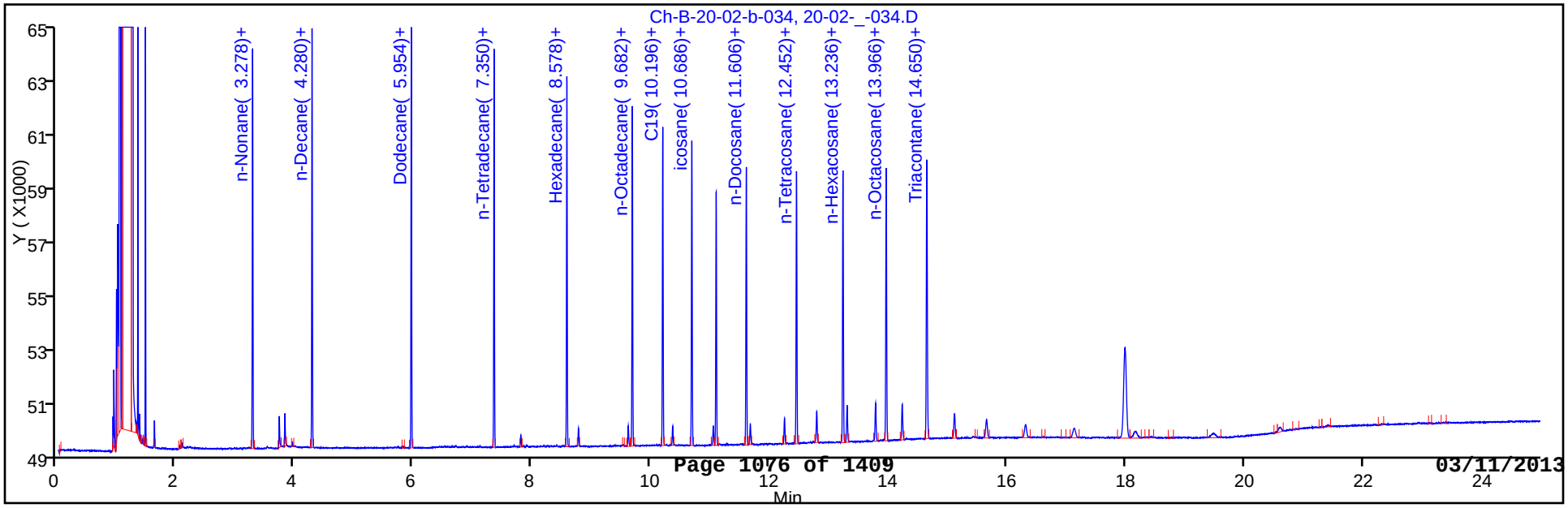


TestAmerica Buffalo
Target Compound Quantitation Report

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

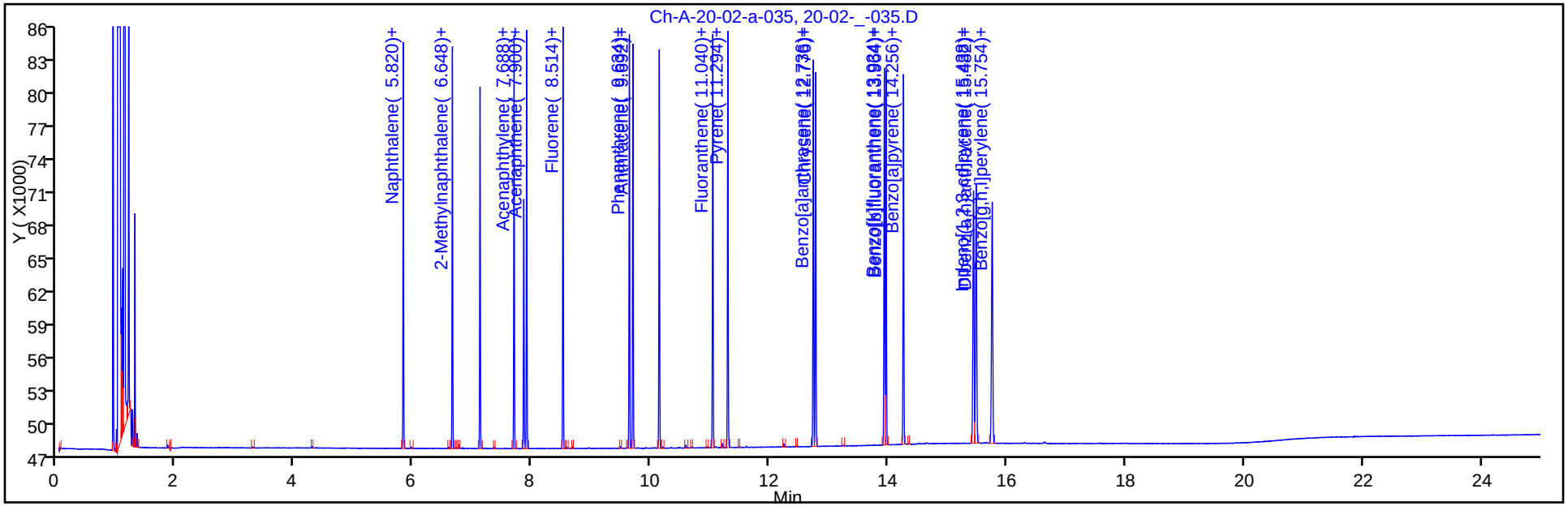
Review Flags
M - Manually Integrated

Report Date: 07-Nov-2012 11:37:16 Chrom Revision: 2.0 22-Oct-2012 16:30:48

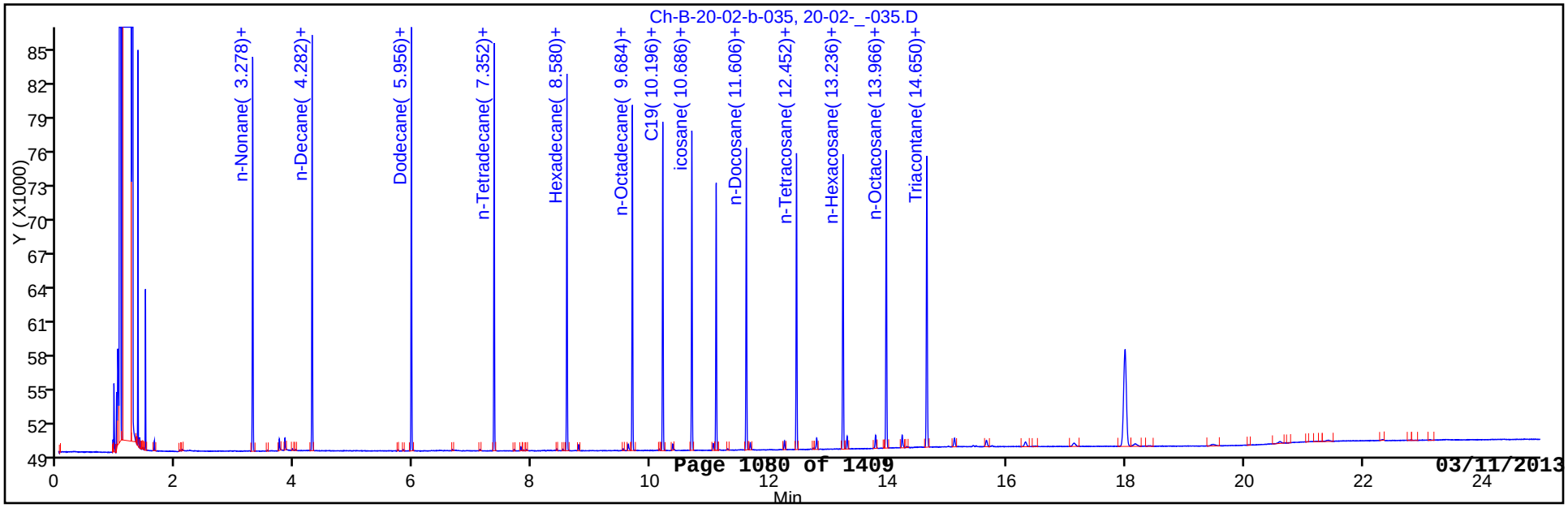
TestAmerica Buffalo

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

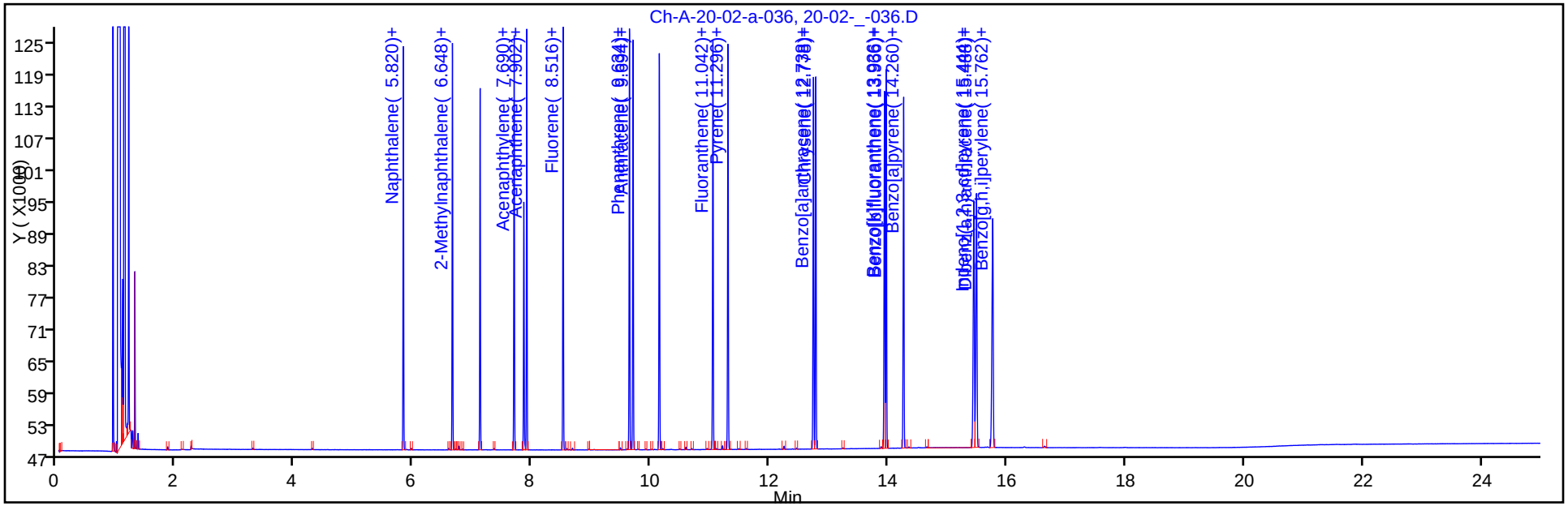
Review Flags
M - Manually Integrated

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:



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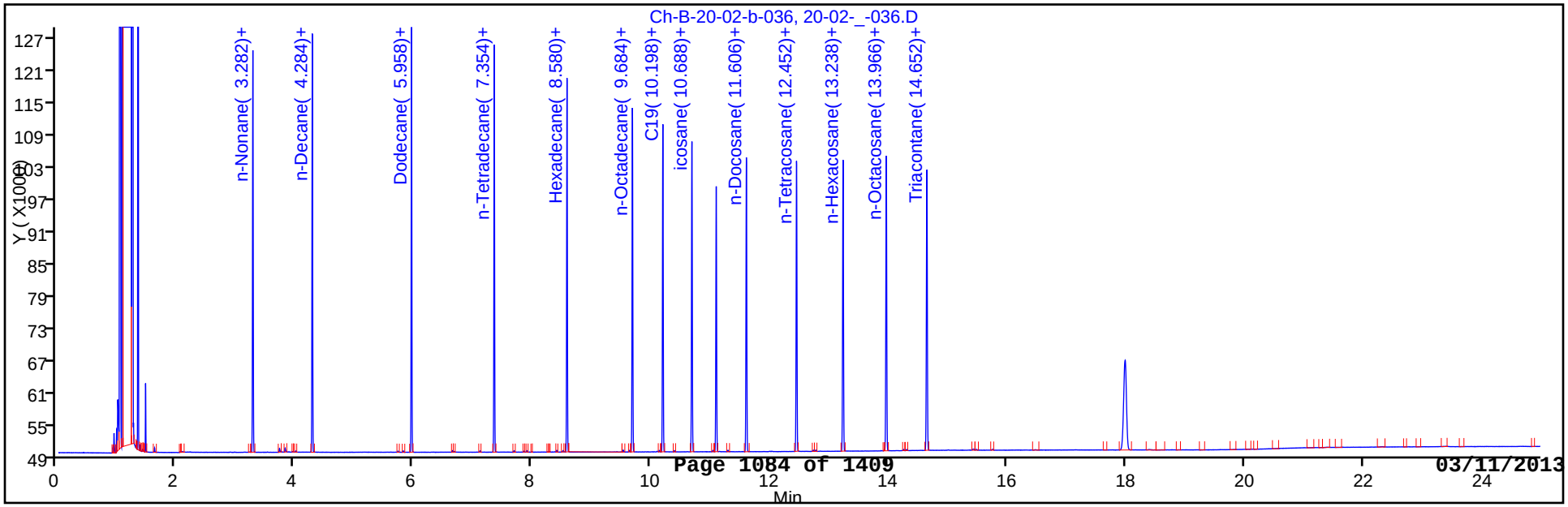


TestAmerica Buffalo
Target Compound Quantitation Report

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	

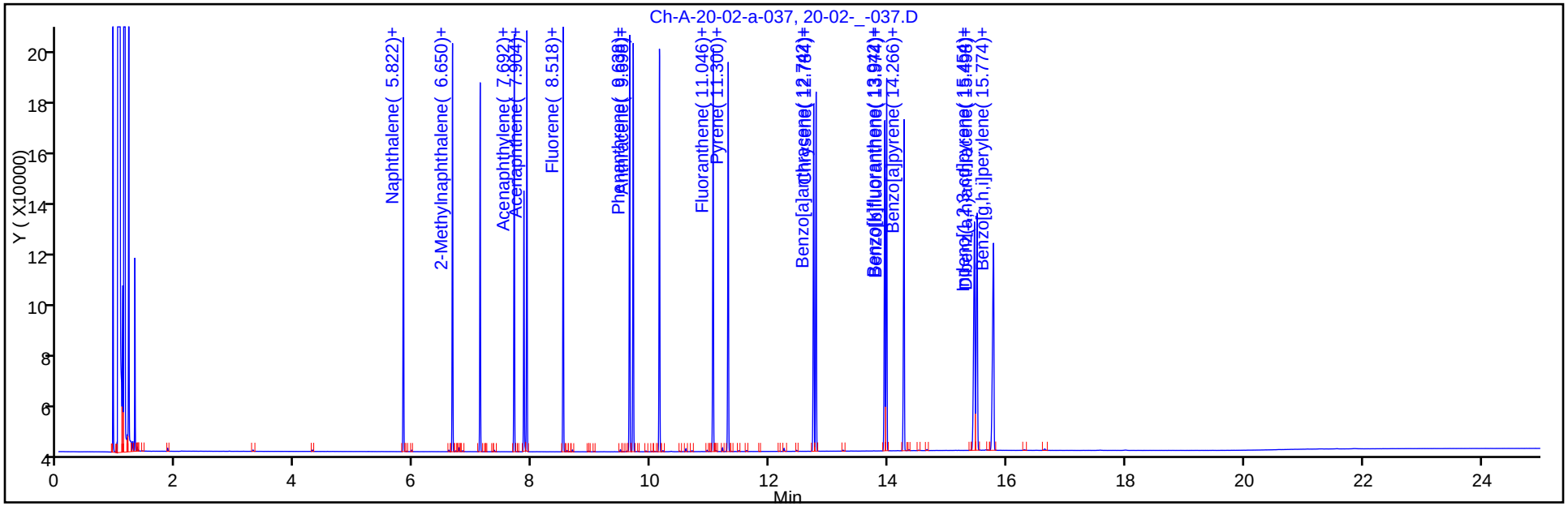
Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
E 40 n-Hexatriacontane						
2	18.002	17.996	0.006	112814	102.3	

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:



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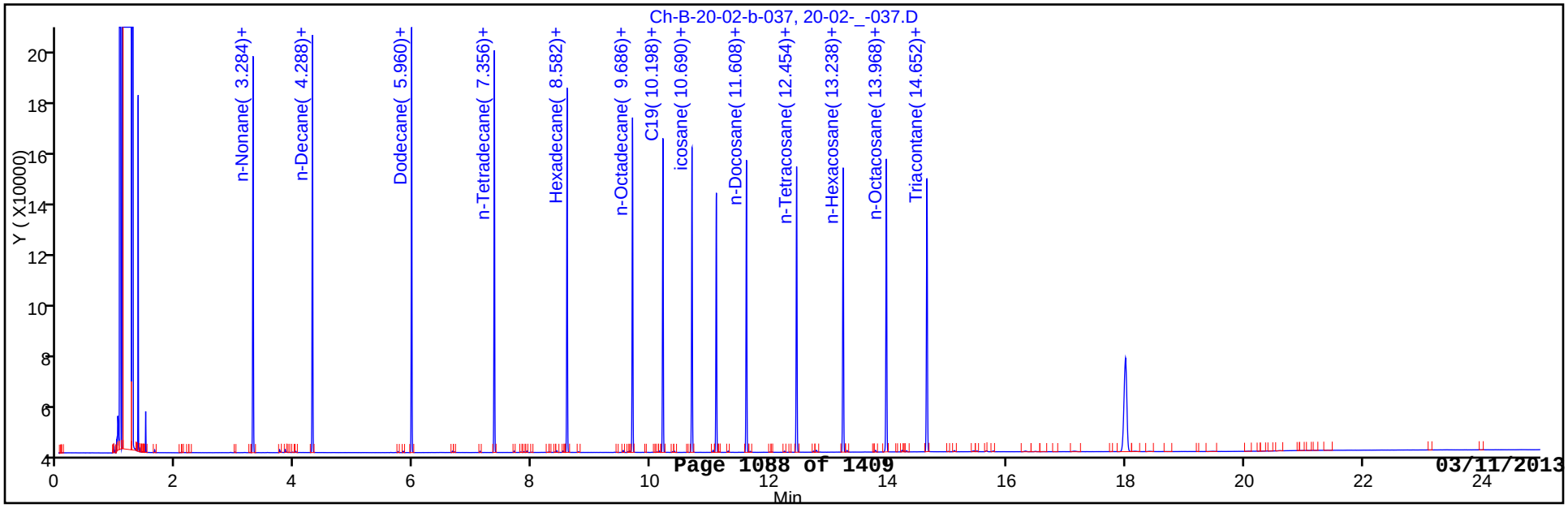


TestAmerica Buffalo
Target Compound Quantitation Report

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	

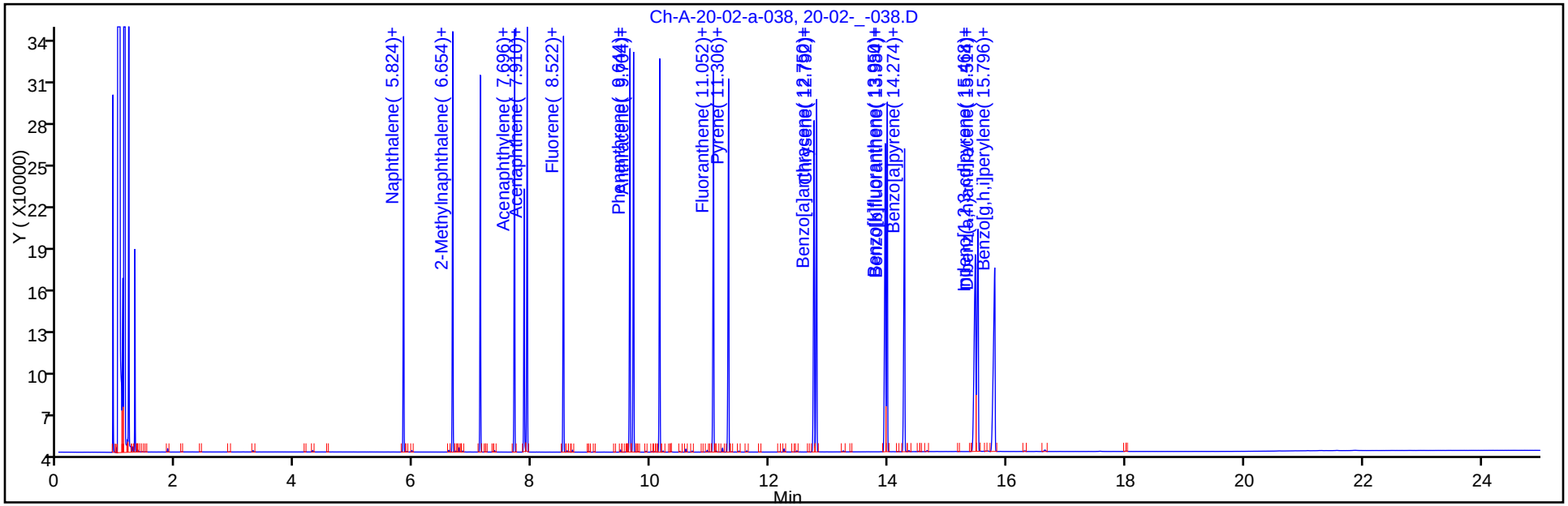
Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
E 40 n-Hexatriacontane						
2	18.014	17.996	0.018	227708	206.5	

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:



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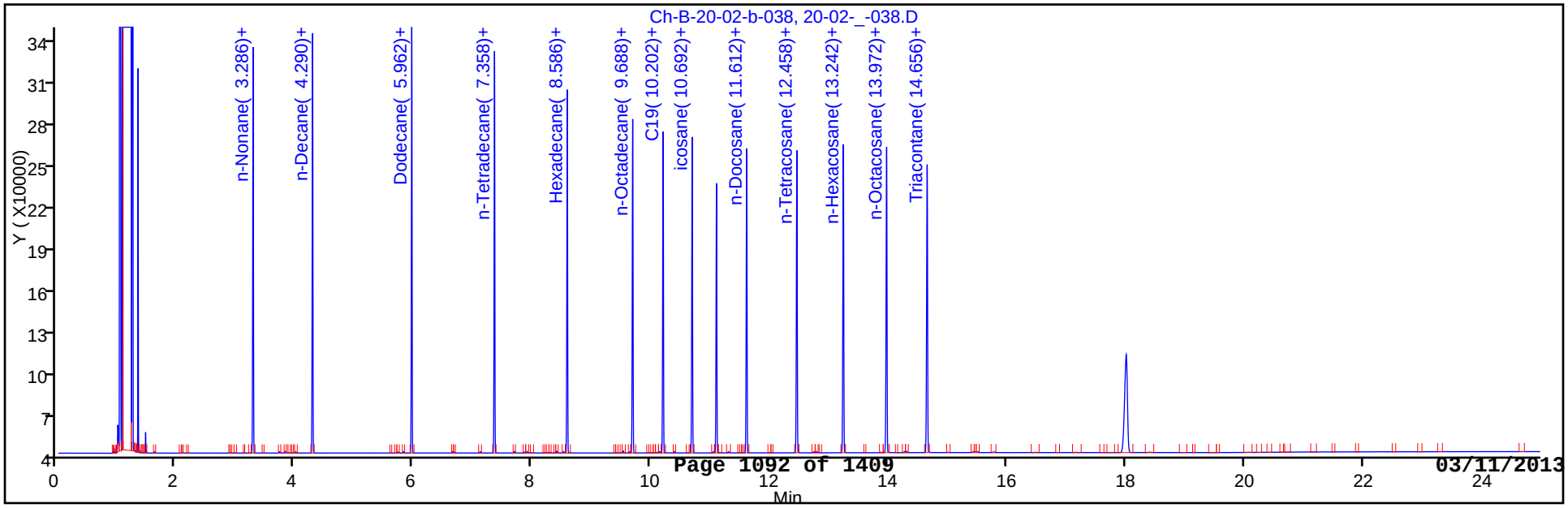


FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-30106-1 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.: 480-30106-1 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.: 480-30106-1 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.: 480-30106-1 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.: 480-30106-1 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	

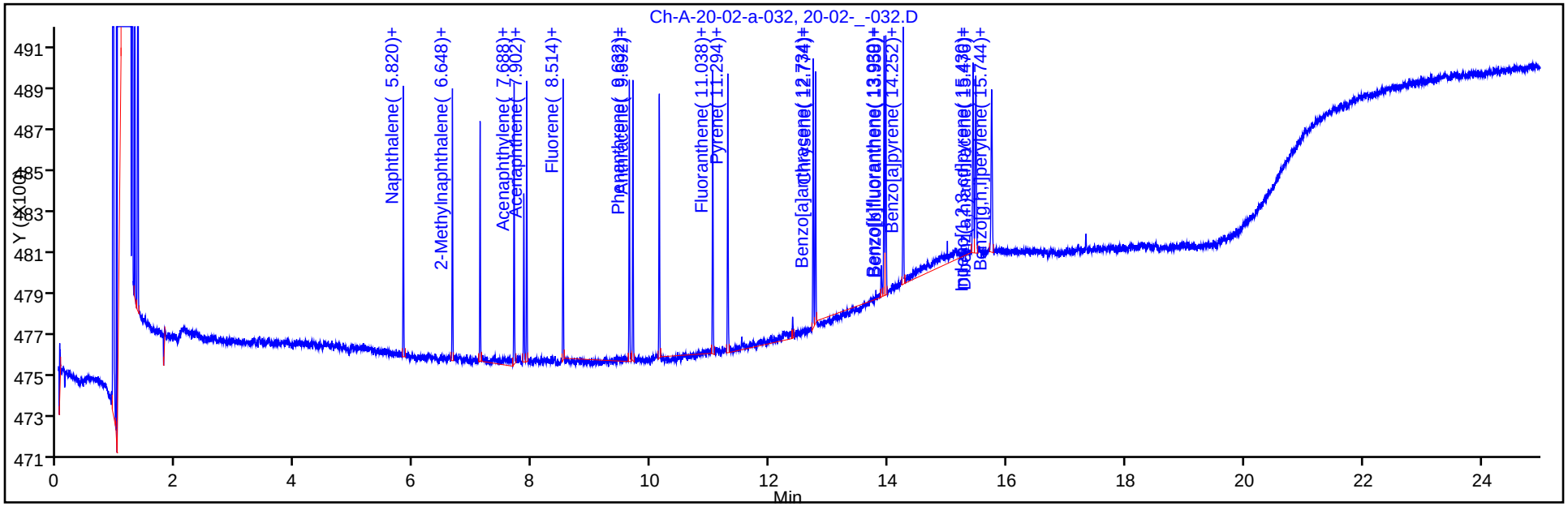
Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
E 40 n-Hexatriacontane						
2	17.994	17.996	-0.002	1055	0.9566	

Report Date: 07-Nov-2012 11:37:04 Chrom Revision: 2.0 22-Oct-2012 16:30:48

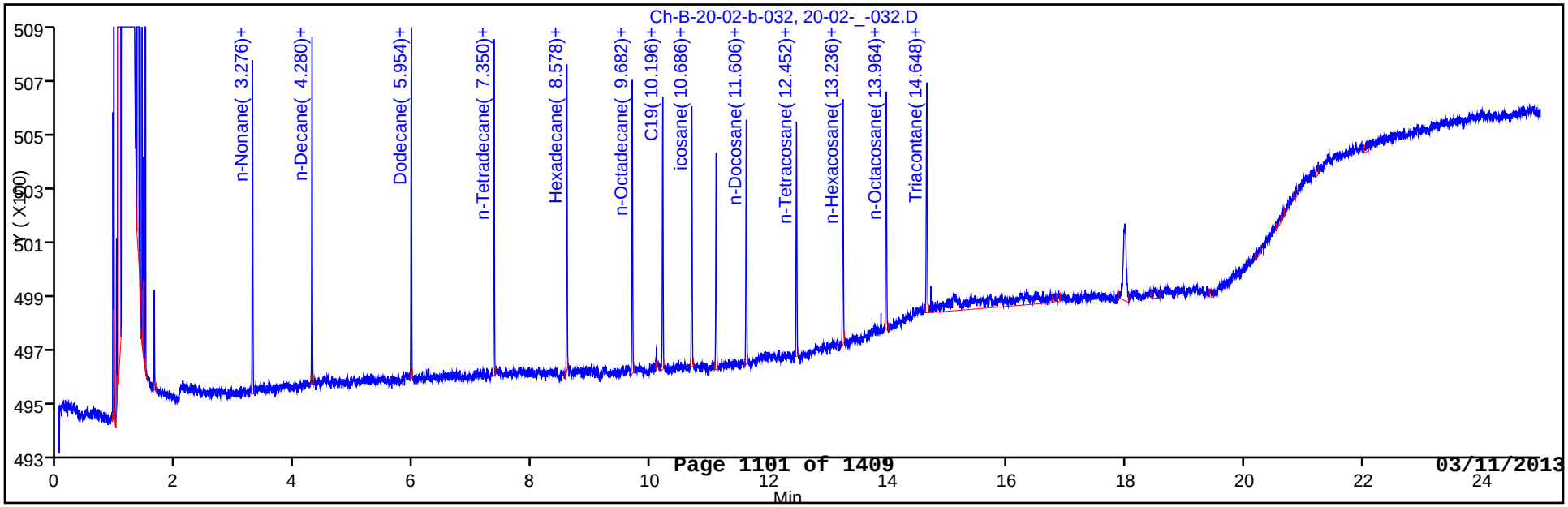
TestAmerica Buffalo

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	

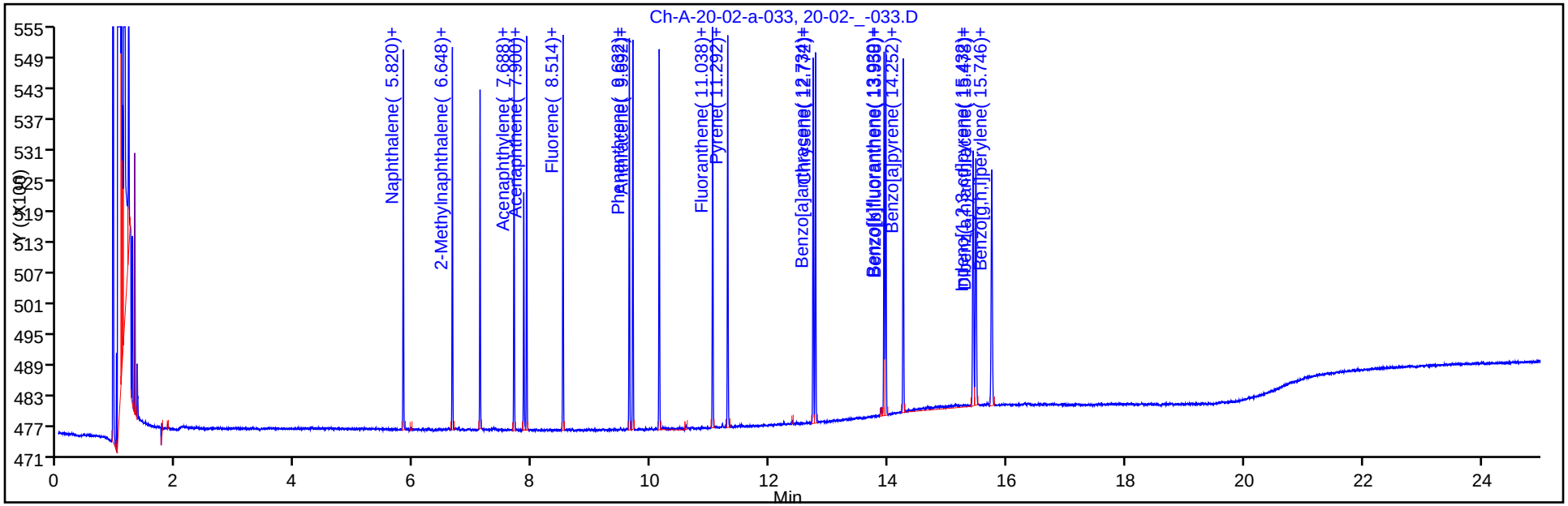
Report Date: 07-Nov-2012 11:37:09 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

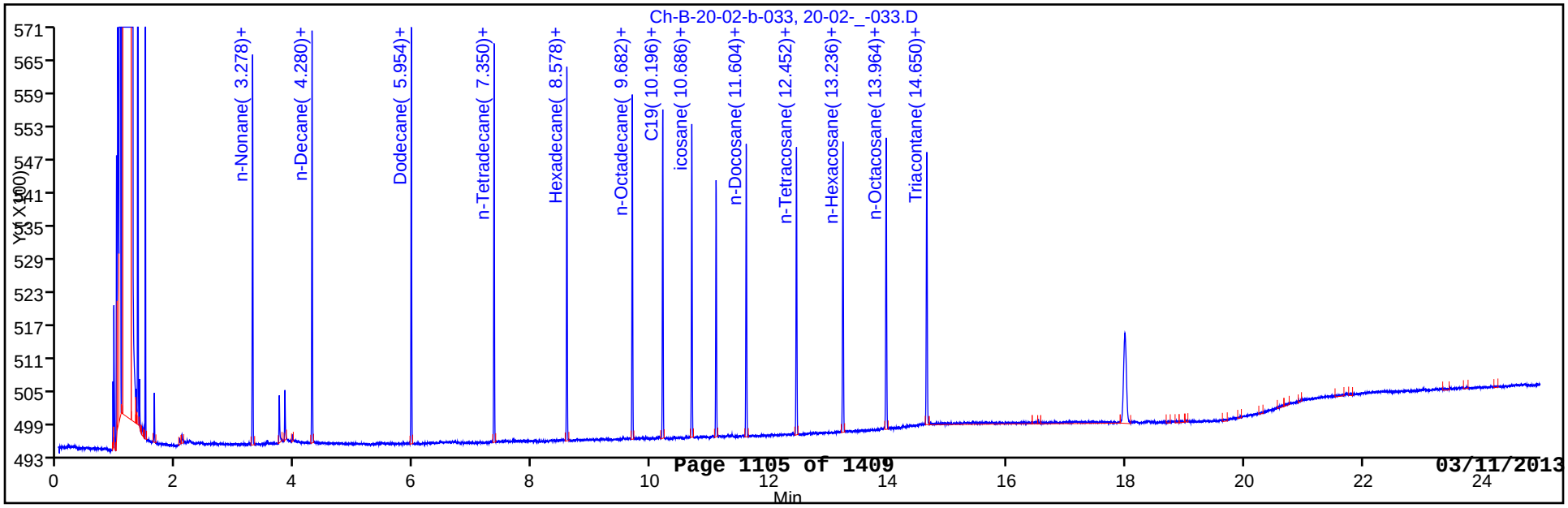
Data File: \\BUFCHROM\ChromData\HP7890-20\20121017-15821.b\20-02-_-033.D

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	

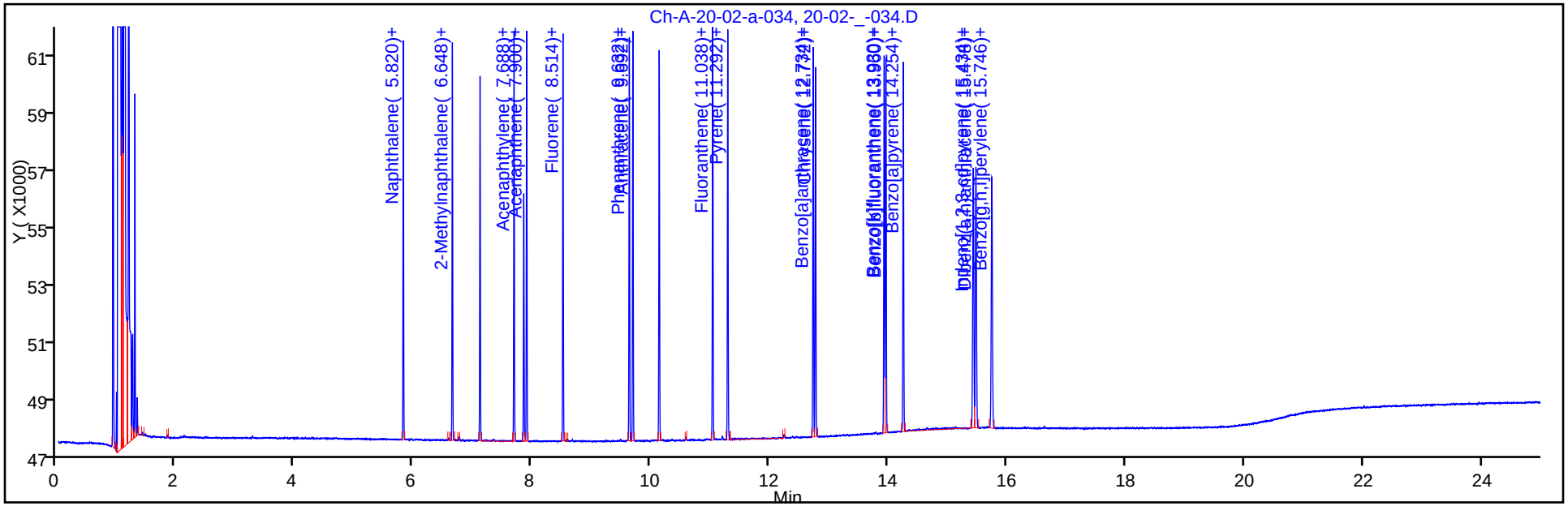
Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
E 40 n-Hexatriacontane						
2	17.994	17.996	-0.002	10762	9.76	

Report Date: 07-Nov-2012 11:37:13 Chrom Revision: 2.0 22-Oct-2012 16:30:48

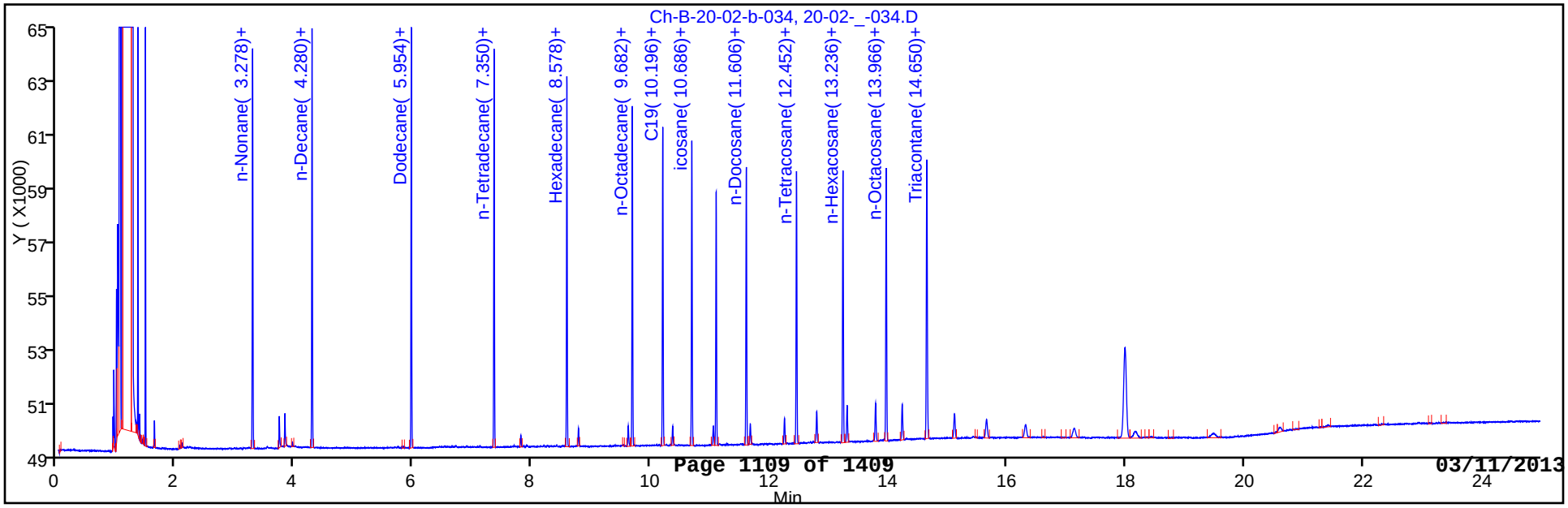
TestAmerica Buffalo

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

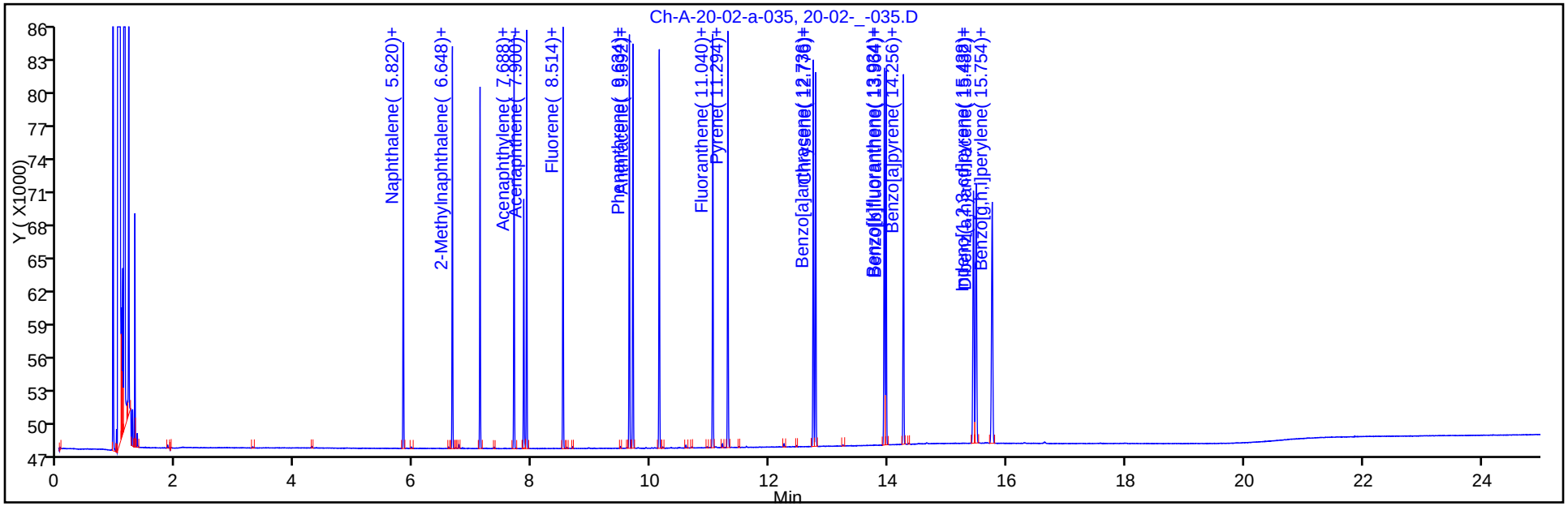
Review Flags
M - Manually Integrated

Report Date: 07-Nov-2012 11:37:16 Chrom Revision: 2.0 22-Oct-2012 16:30:48

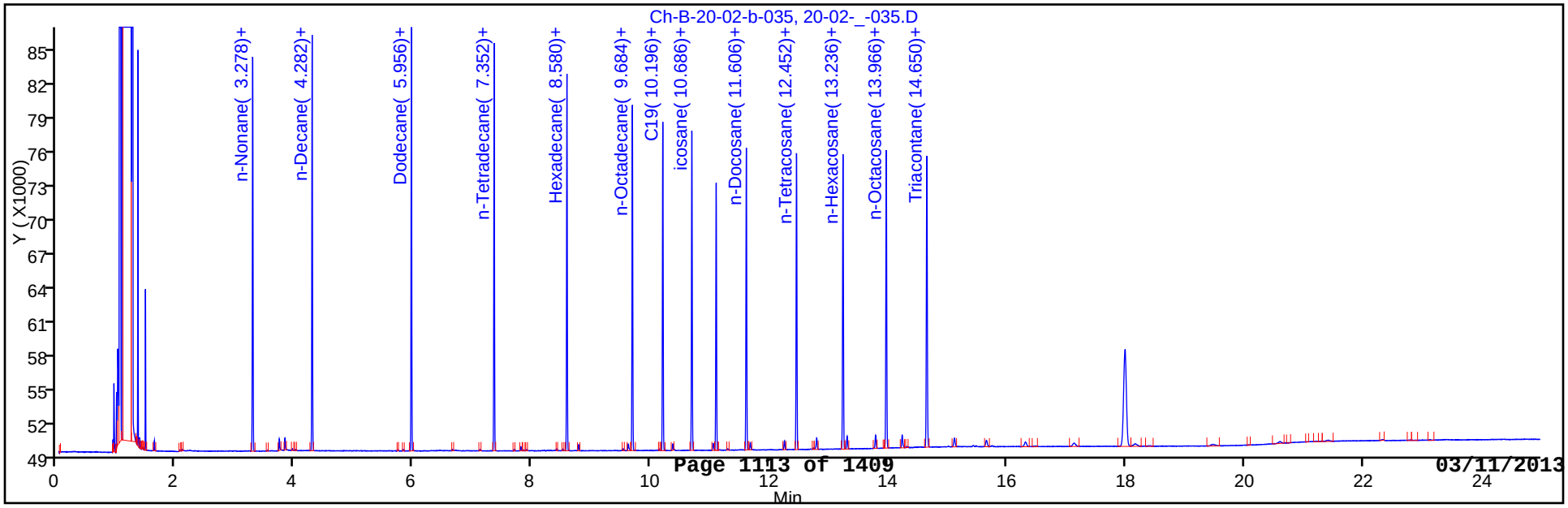
TestAmerica Buffalo

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

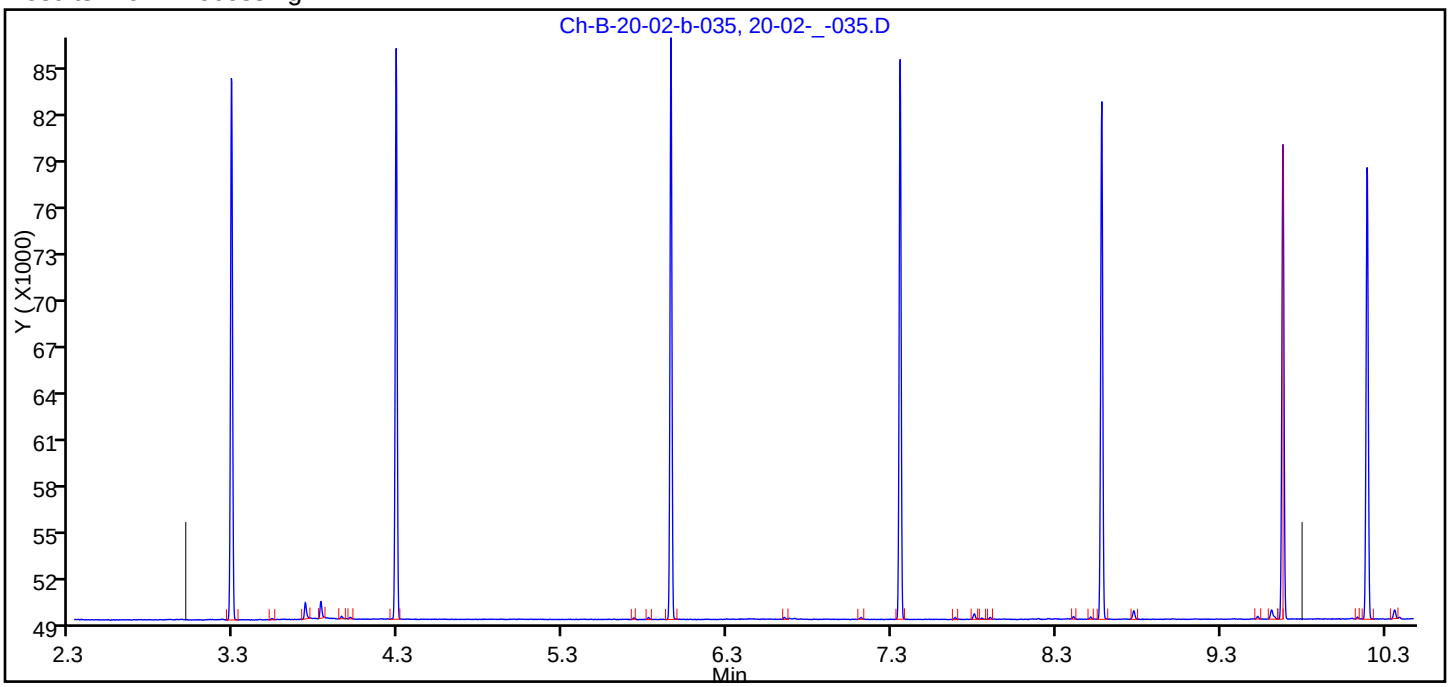
User Disabled Compound Report

TestAmerica Buffalo

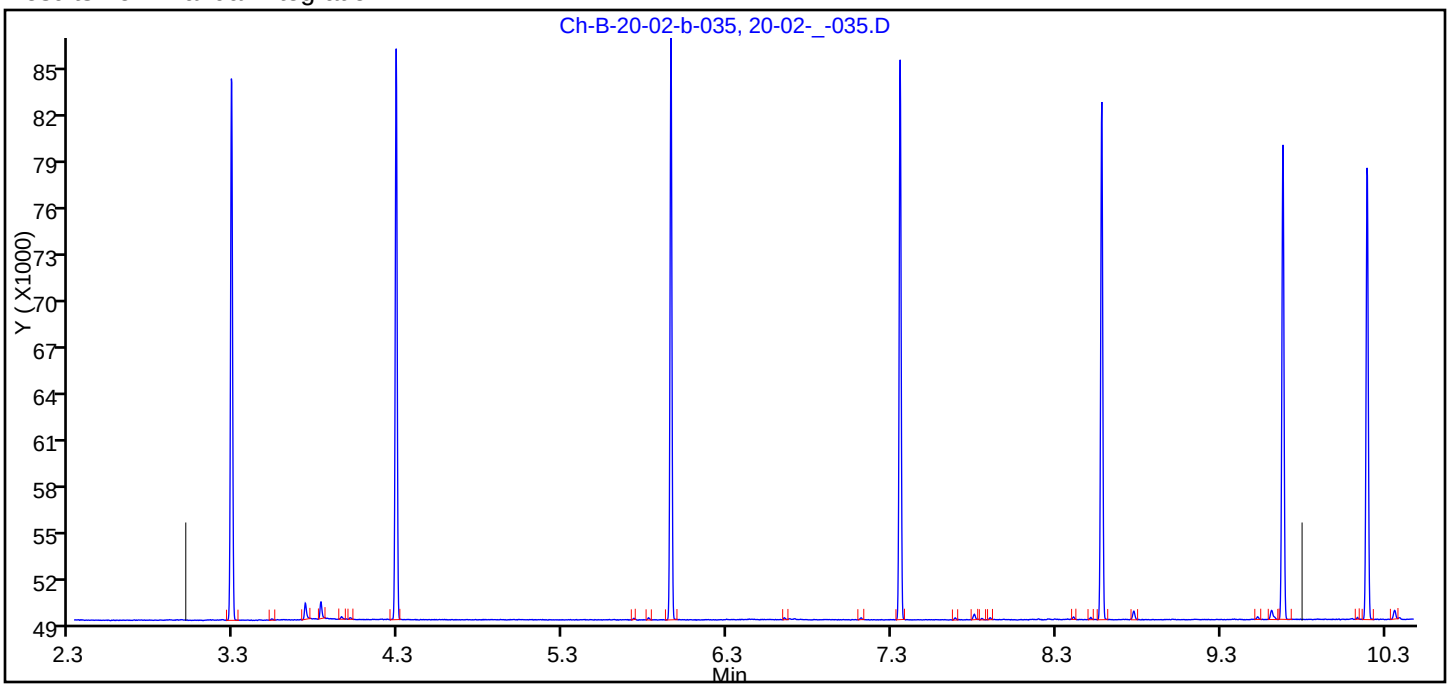
Data File:	\\BUFCHROM\ChromData\HP7890-20\20121017-15821.b\20-02-_-035.D		
Injection Date:	17-Oct-2012 18:08:33	Limit Group:	GC MAEPH ICAL
Client ID:		Instrument ID:	HP7890-20
Lims Batch ID:	86038	Lims Sample ID:	7
Operator ID:	tchrom	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

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

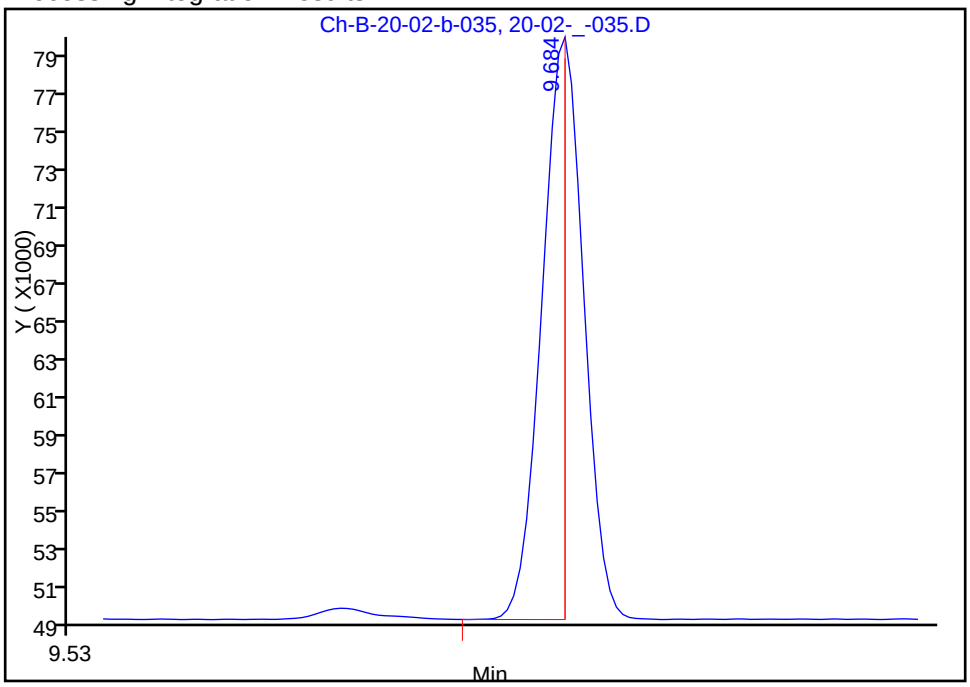
TestAmerica Buffalo

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

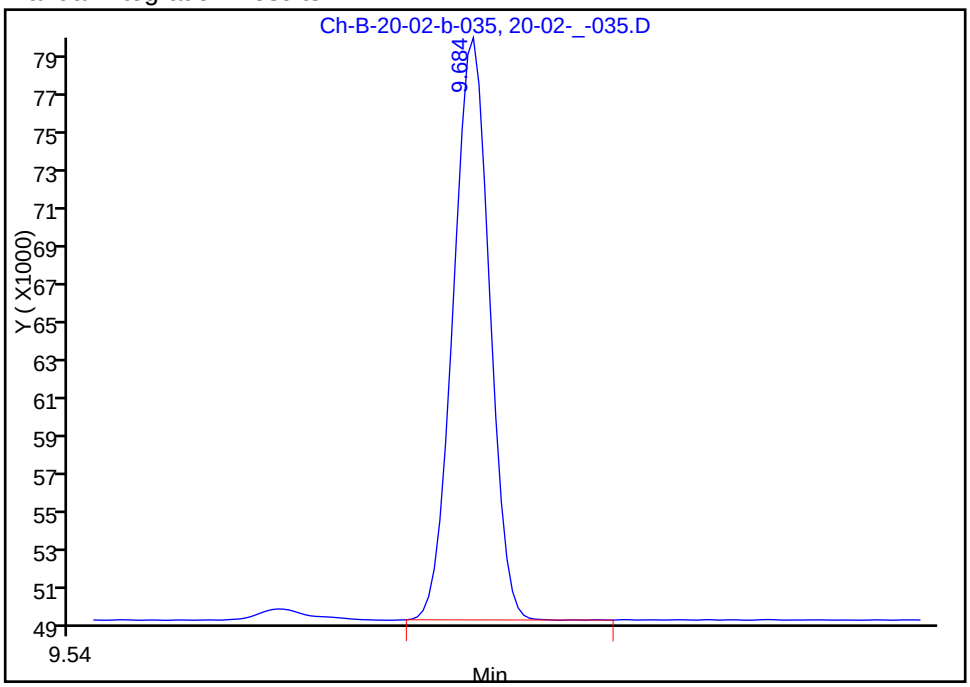
Processing Integration Results

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

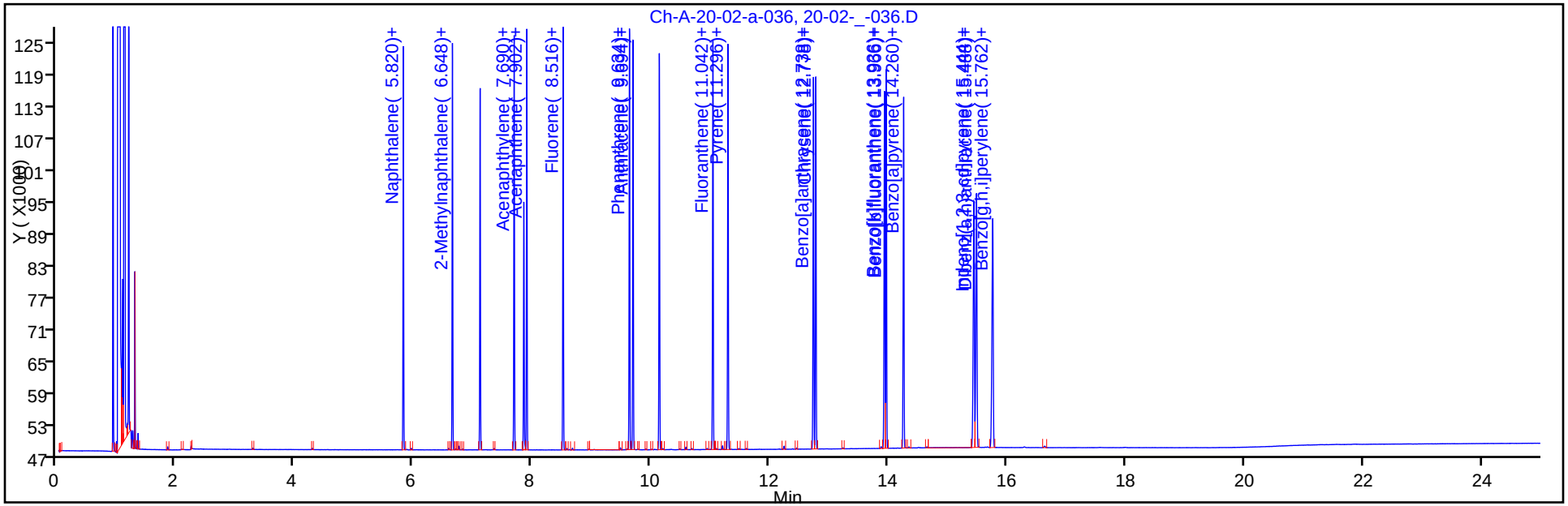
Review Flags
M - Manually Integrated

Report Date: 07-Nov-2012 11:37:21 Chrom Revision: 2.0 22-Oct-2012 16:30:48

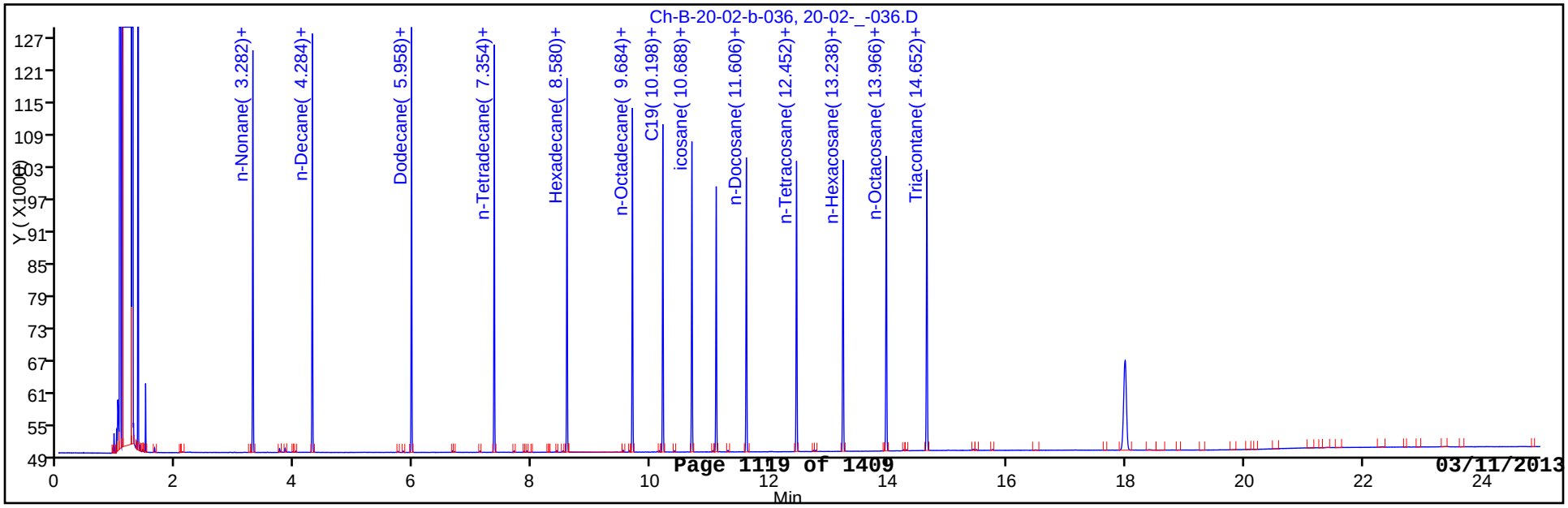
TestAmerica Buffalo

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

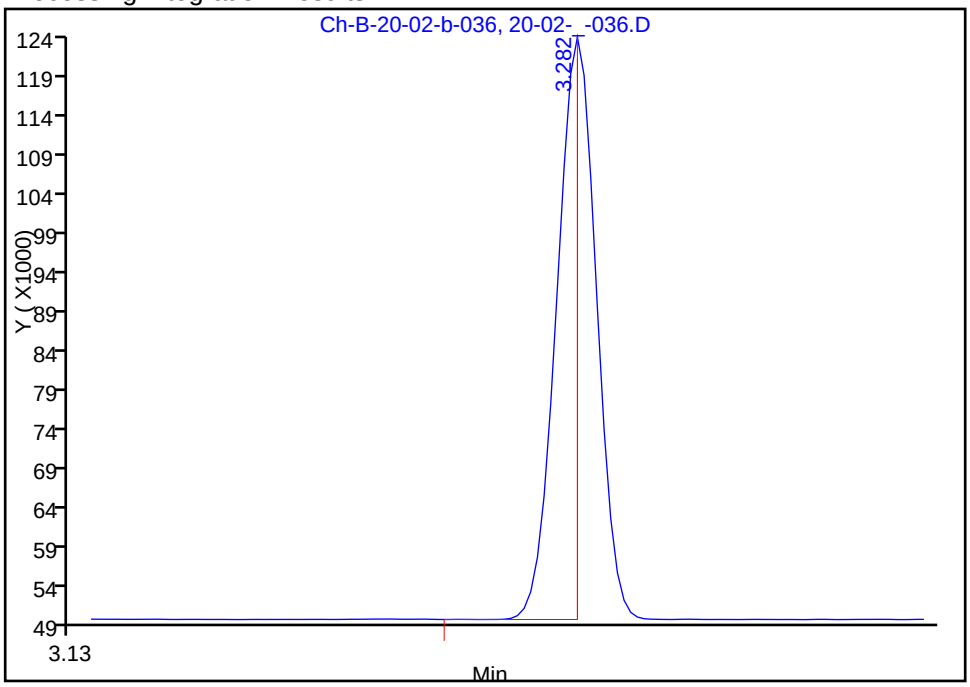
TestAmerica Buffalo

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

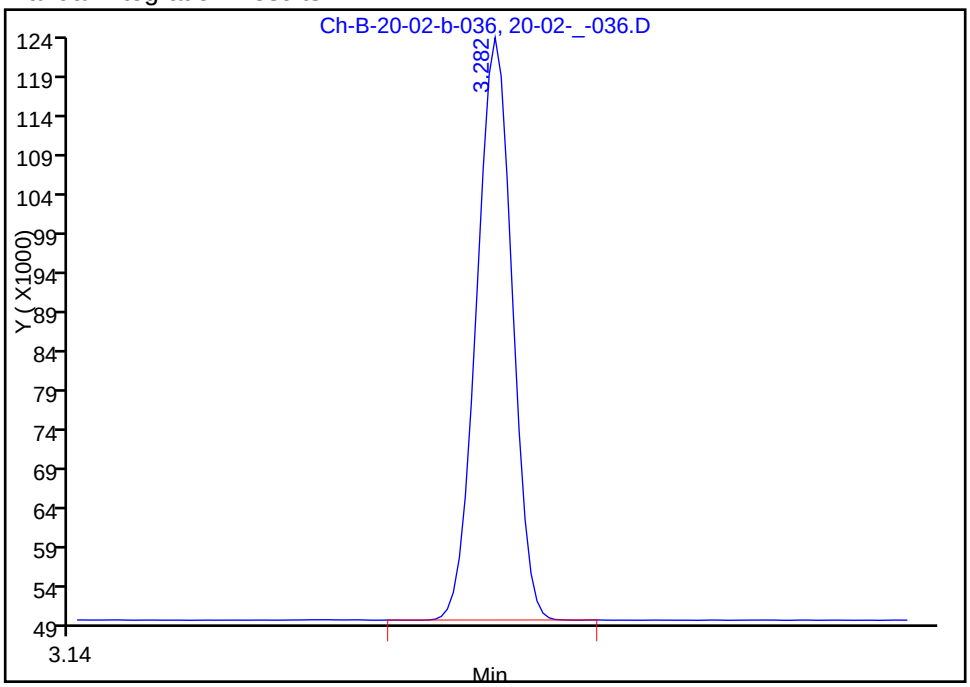
Processing Integration Results

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

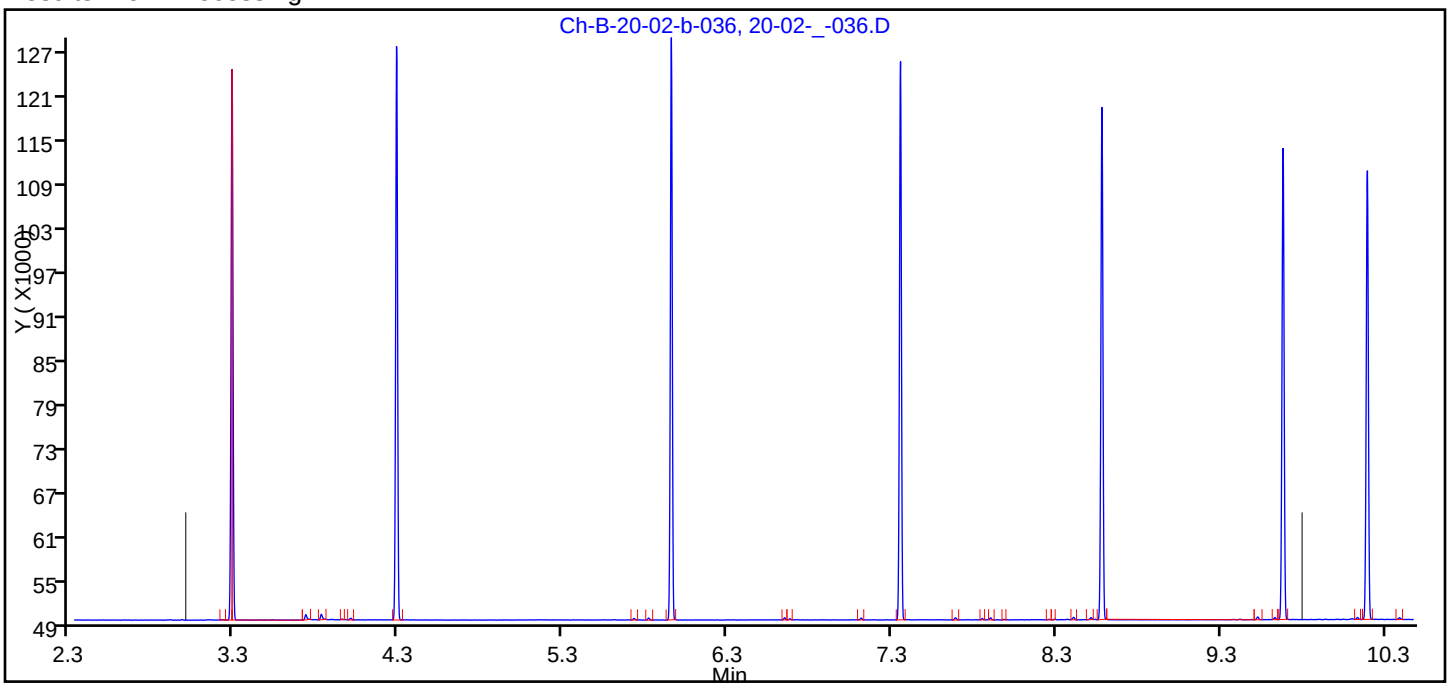
User Disabled Compound Report

TestAmerica Buffalo

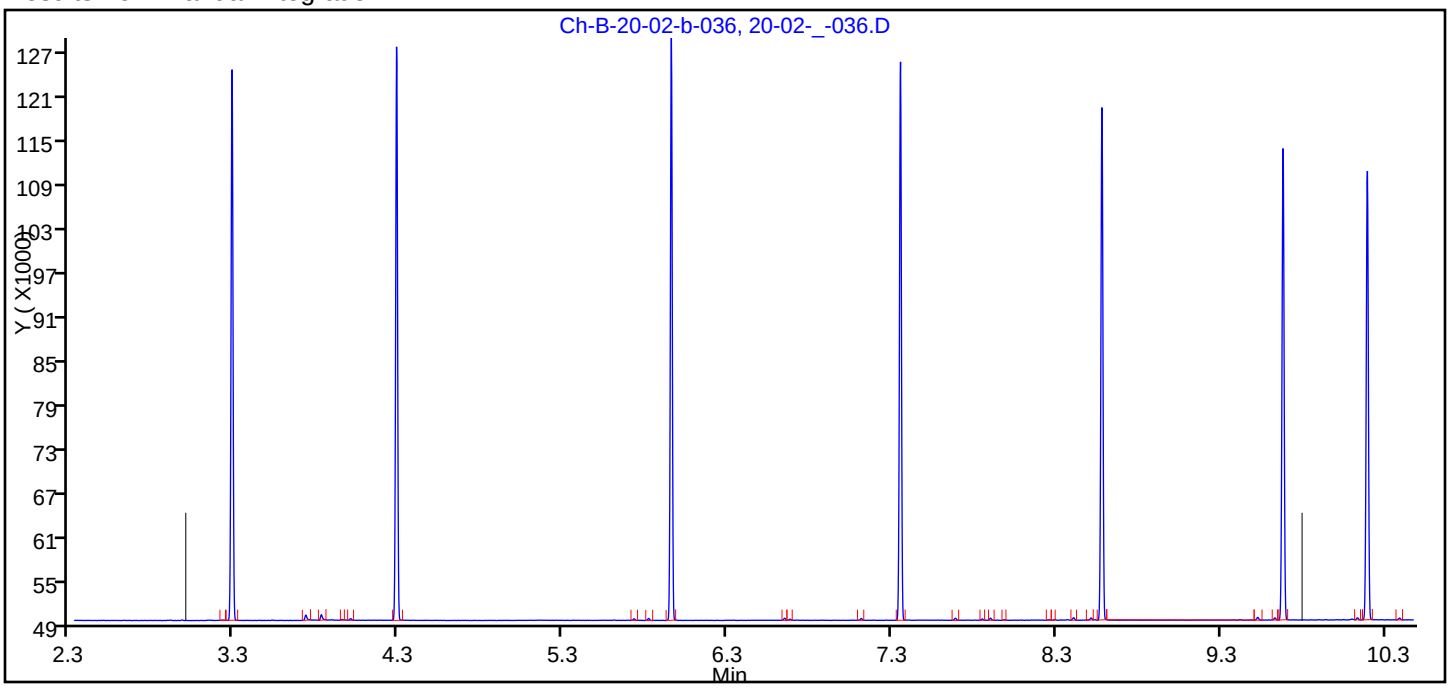
Data File:	\\BUFCHROM\ChromData\HP7890-20\20121017-15821.b\20-02-_-036.D		
Injection Date:	17-Oct-2012 18:38:07	Limit Group:	GC MAEPH ICAL
Client ID:		Instrument ID:	HP7890-20
Lims Batch ID:	86038	Lims Sample ID:	8
Operator ID:	tchrom	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

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	

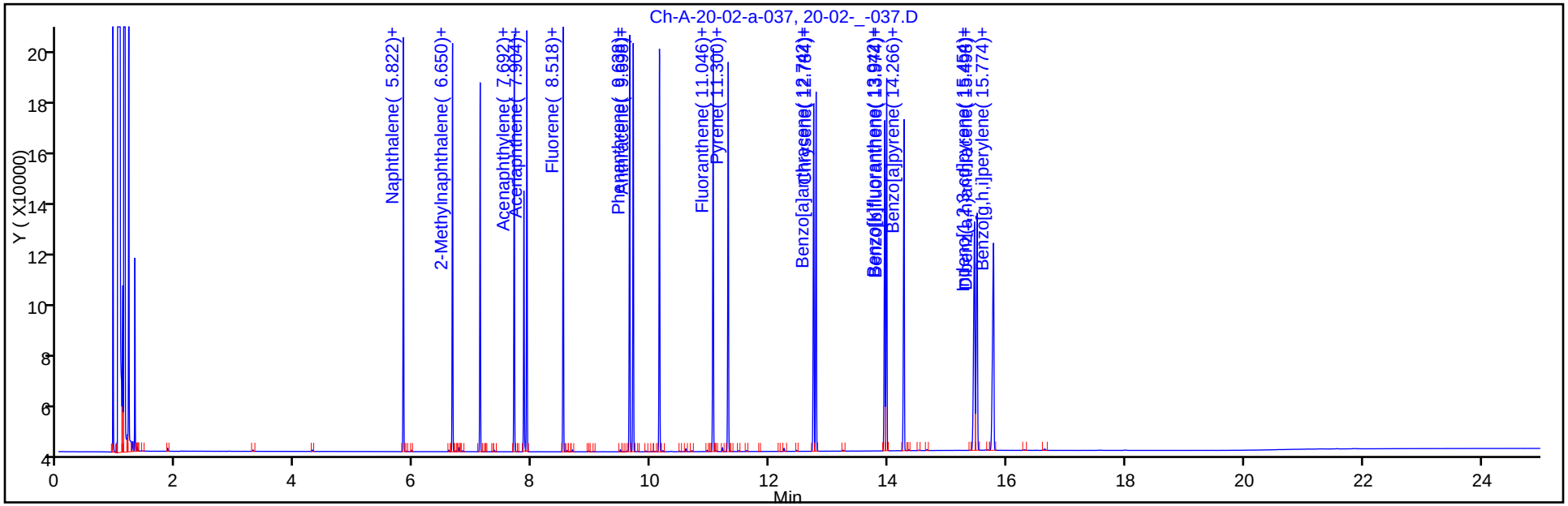
Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
E 40 n-Hexatriacontane						
2	18.002	17.996	0.006	112814	102.3	

Report Date: 07-Nov-2012 11:37:26 Chrom Revision: 2.0 22-Oct-2012 16:30:48

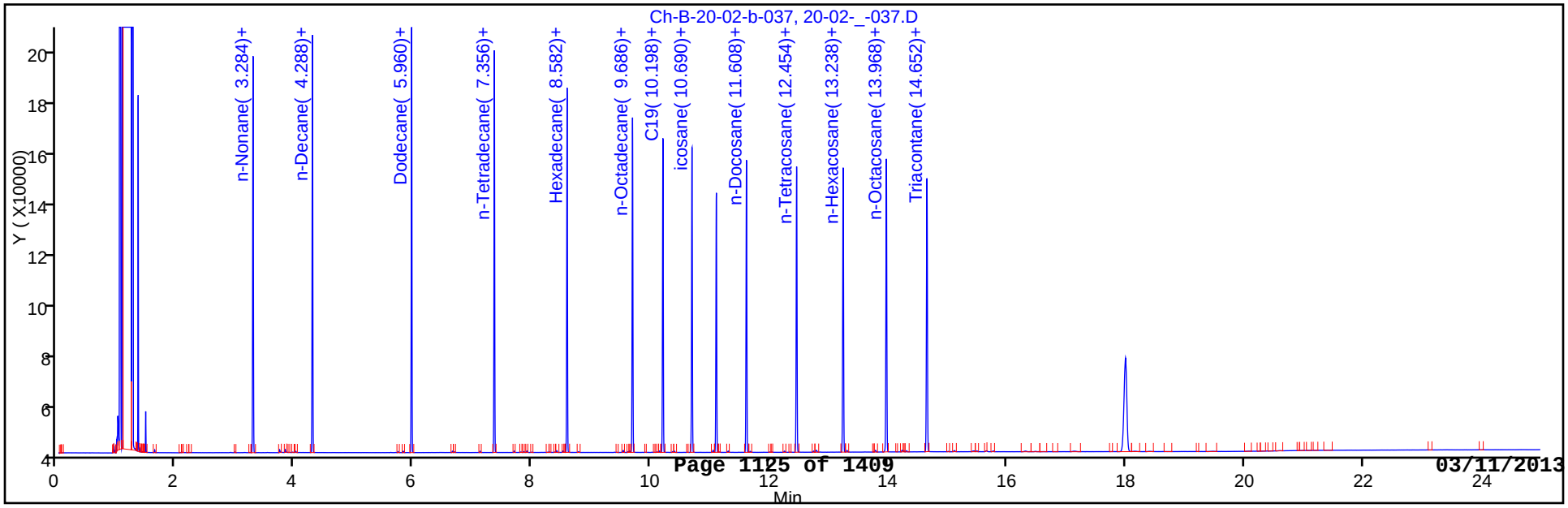
TestAmerica Buffalo

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	

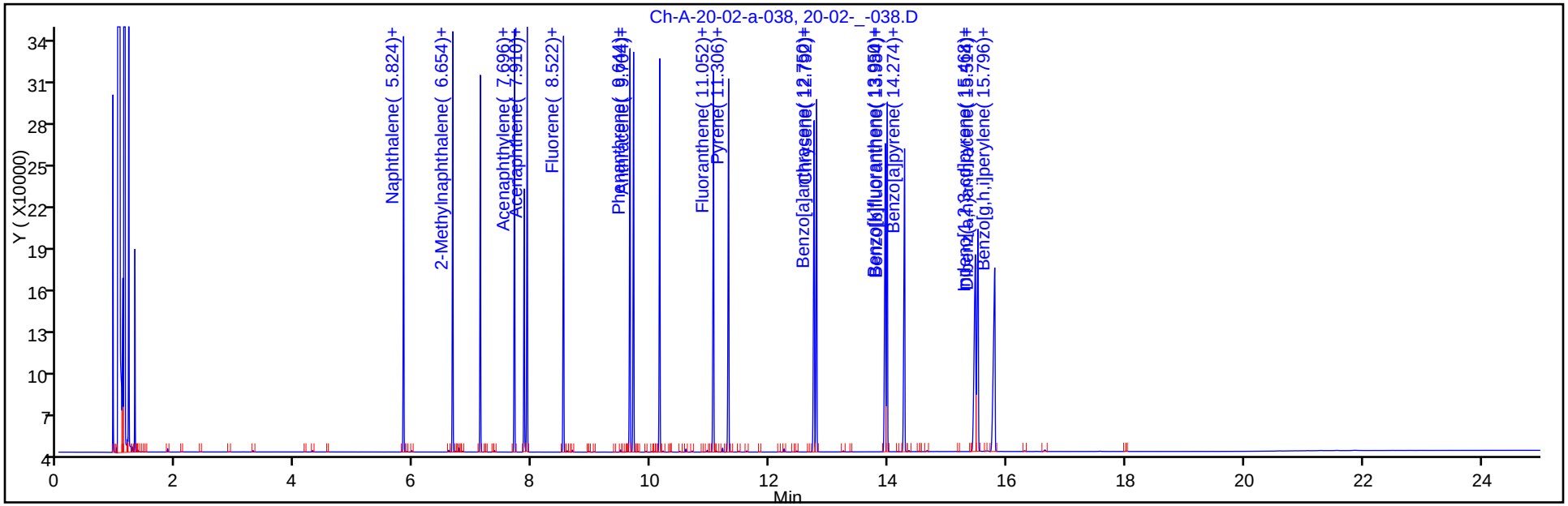
Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
E 40 n-Hexatriacontane						
2	18.014	17.996	0.018	227708	206.5	

Report Date: 07-Nov-2012 11:37:32 Chrom Revision: 2.0 22-Oct-2012 16:30:48

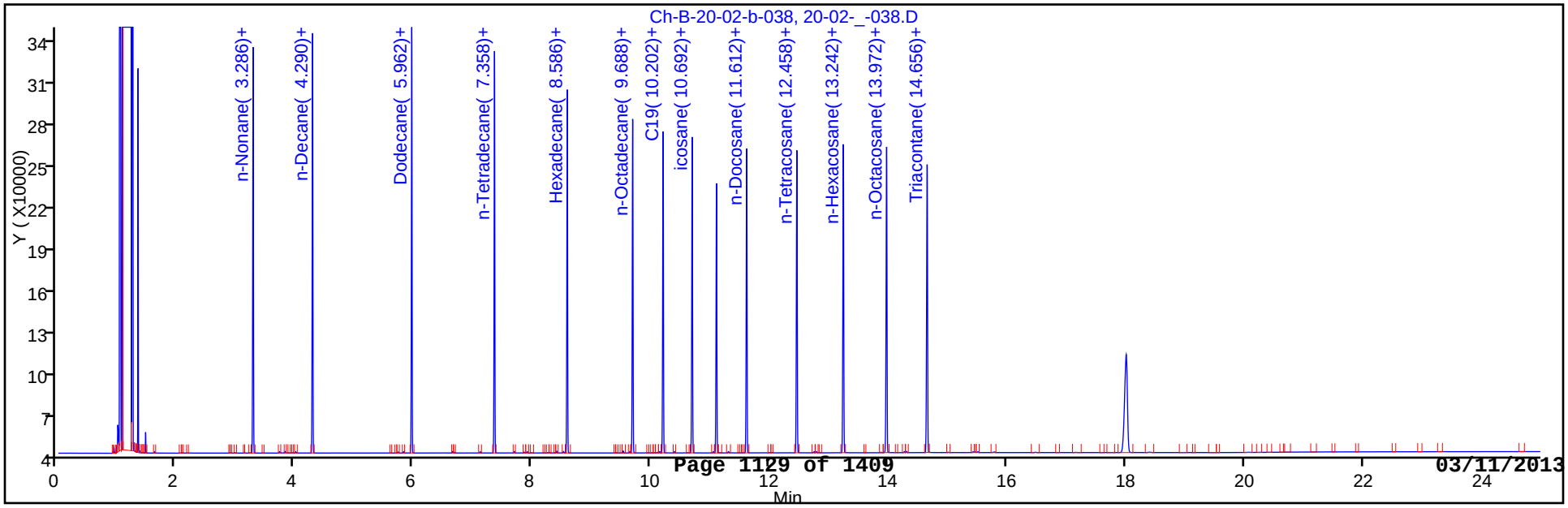
TestAmerica Buffalo

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.: 480-30106-1

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.: 480-30106-1

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	

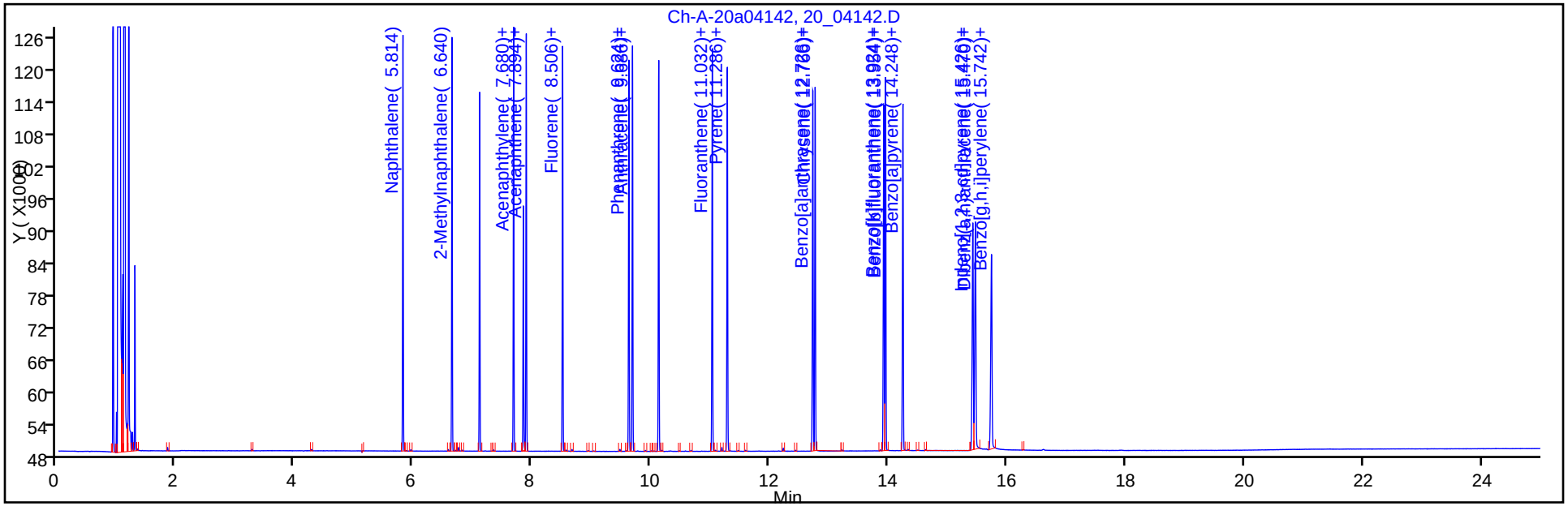
Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
E 40 n-Hexatriacontane						
2	17.930	17.932	-0.002	47292	42.9	

Report Date: 27-Dec-2012 07:12:34 Chrom Revision: 2.0 22-Oct-2012 16:30:48

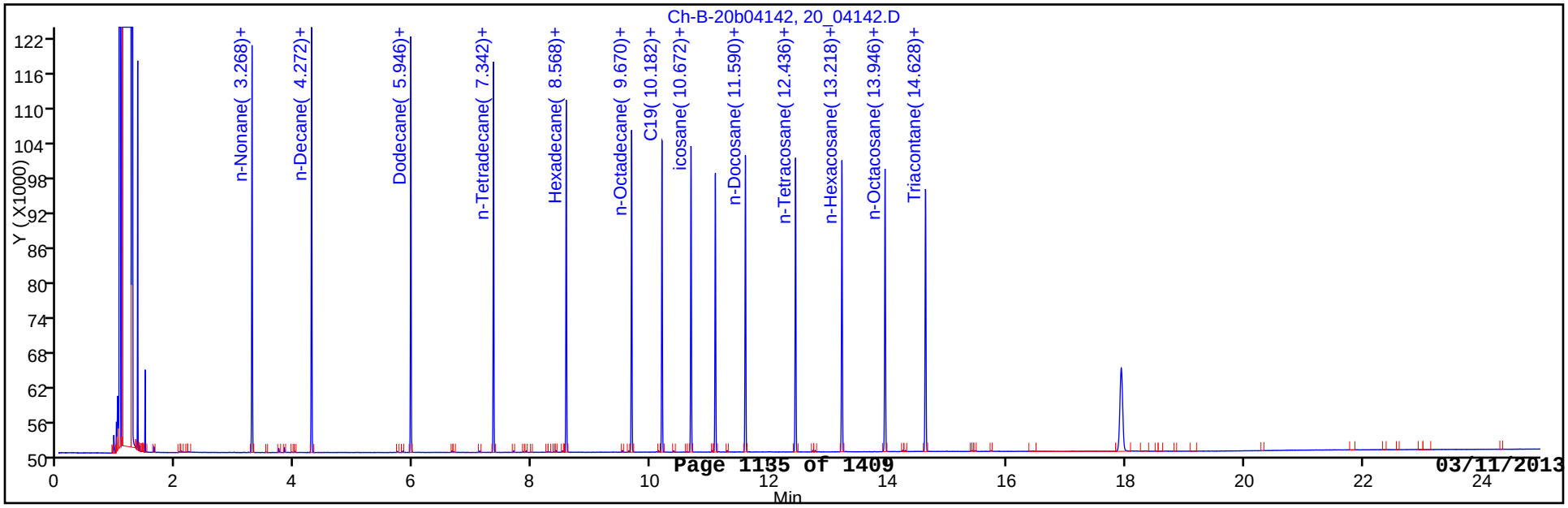
TestAmerica Buffalo

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.: 480-30106-1

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.: 480-30106-1

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	

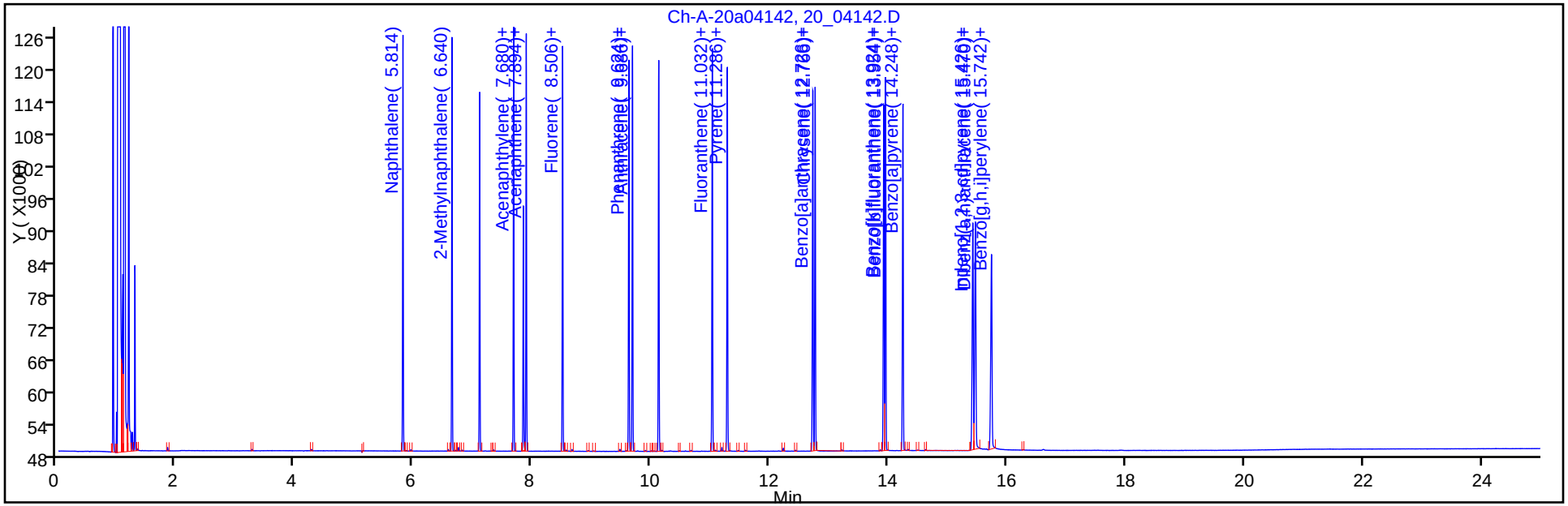
Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
E 40 n-Hexatriacontane						
2	17.930	17.932	-0.002	47292	42.9	

Report Date: 27-Dec-2012 07:12:34 Chrom Revision: 2.0 22-Oct-2012 16:30:48

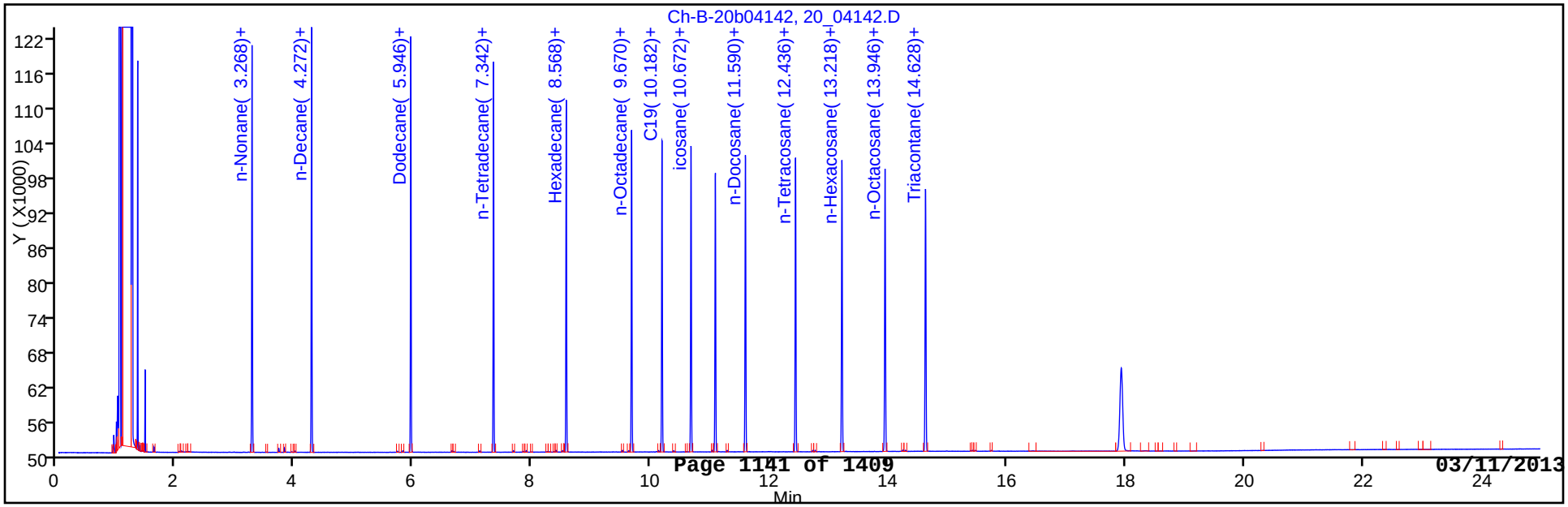
TestAmerica Buffalo

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.: 480-30106-1

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.: 480-30106-1

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

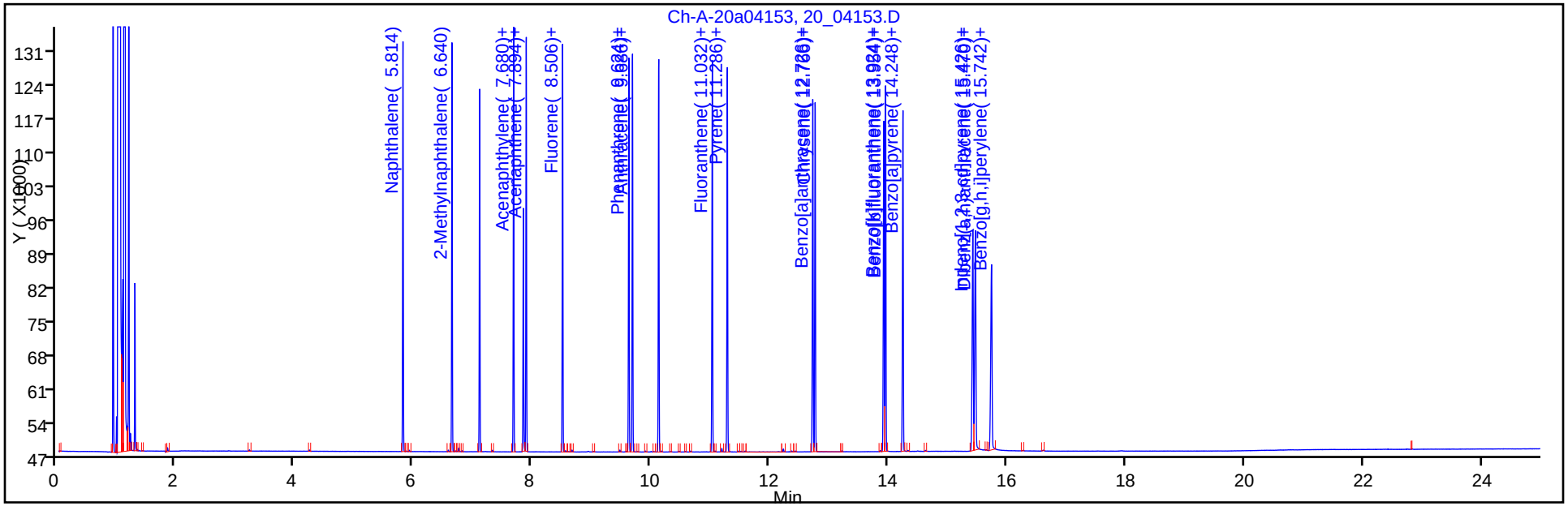
Review Flags
M - Manually Integrated

Report Date: 27-Dec-2012 07:12:25 Chrom Revision: 2.0 22-Oct-2012 16:30:48

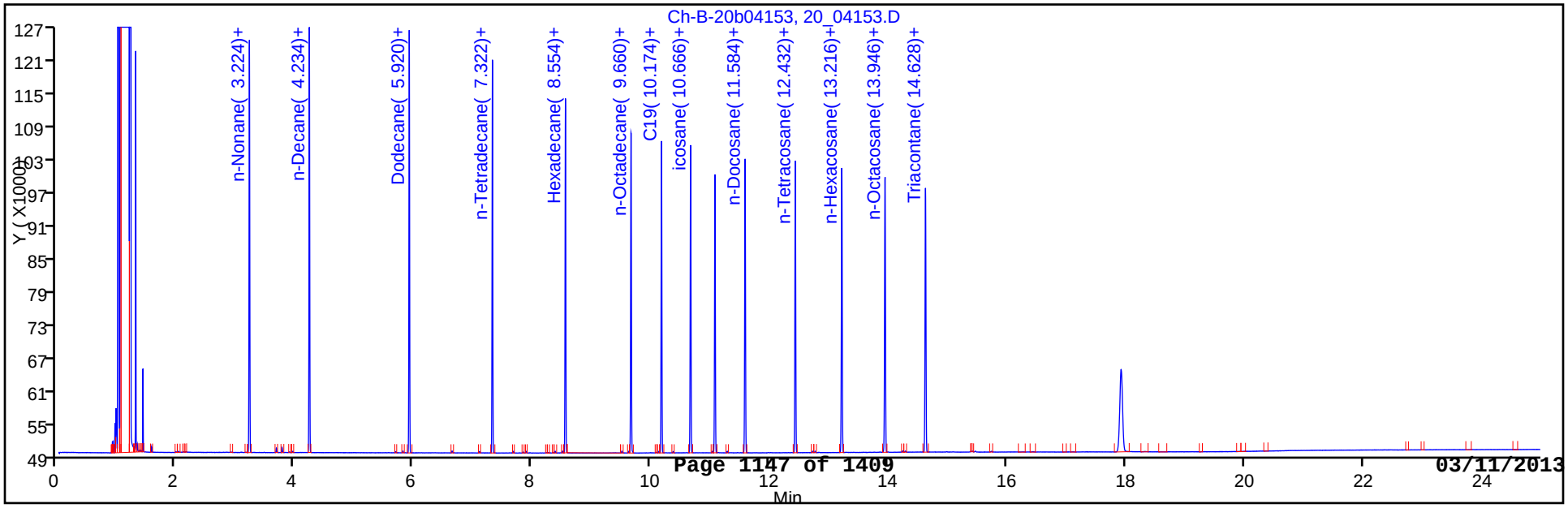
TestAmerica Buffalo

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:



Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-30106-1

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.: 480-30106-1

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

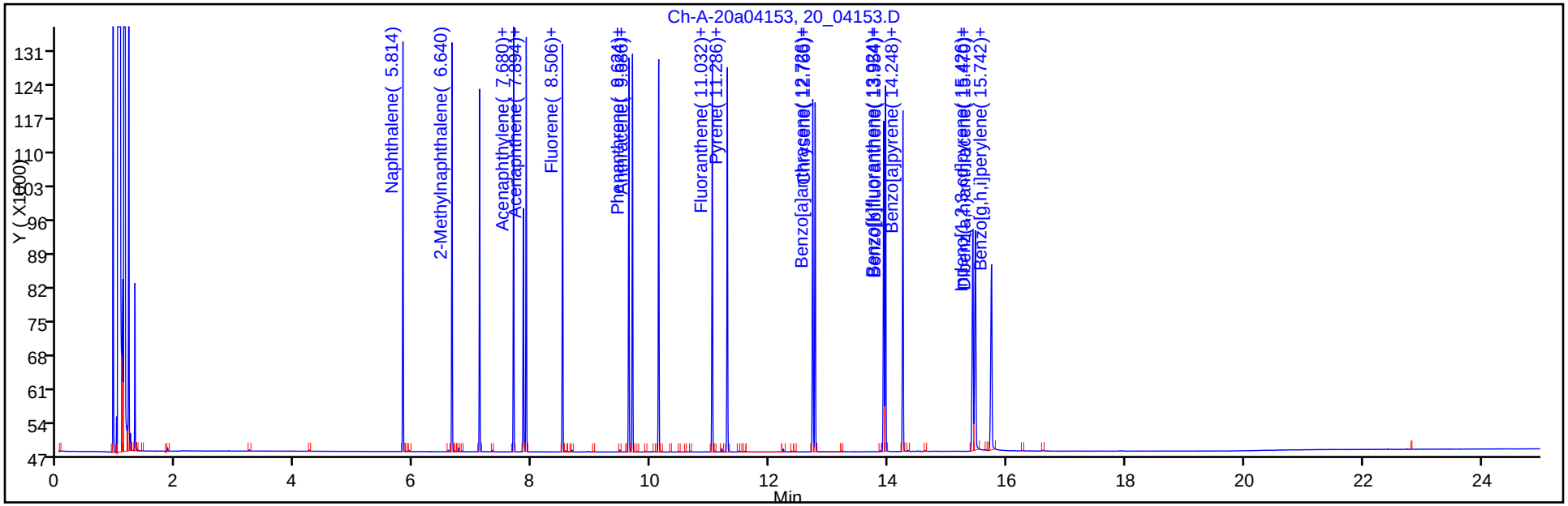
Review Flags
M - Manually Integrated

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:



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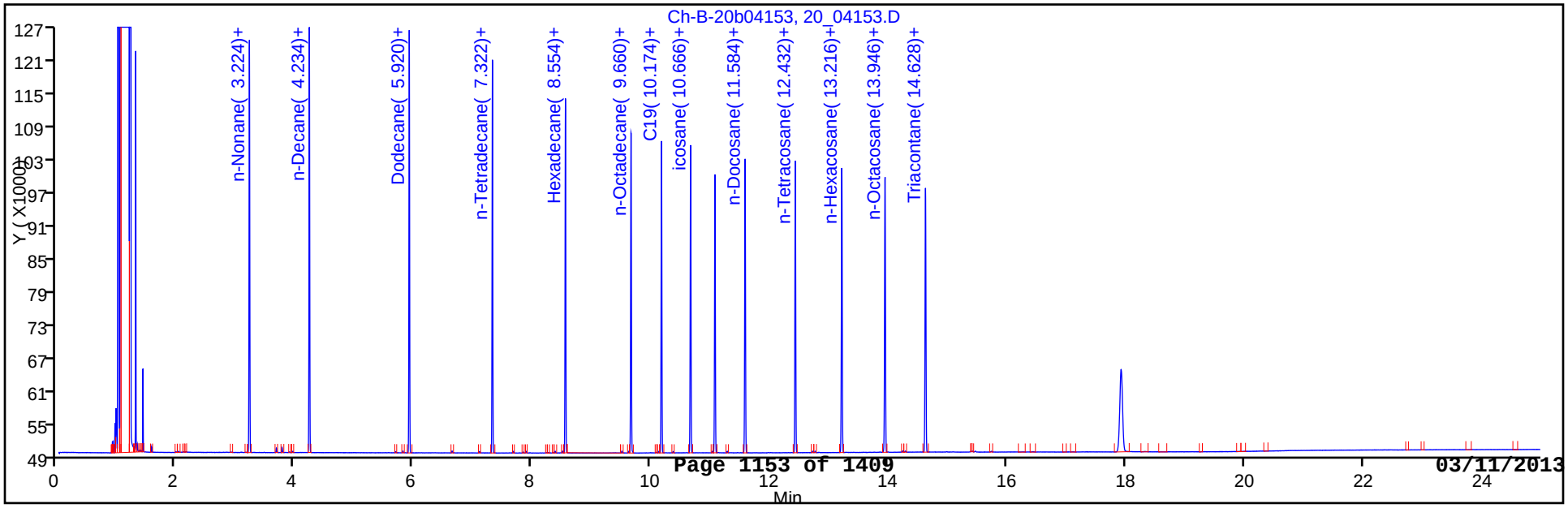


Manual Integration/User Assign Peak Report

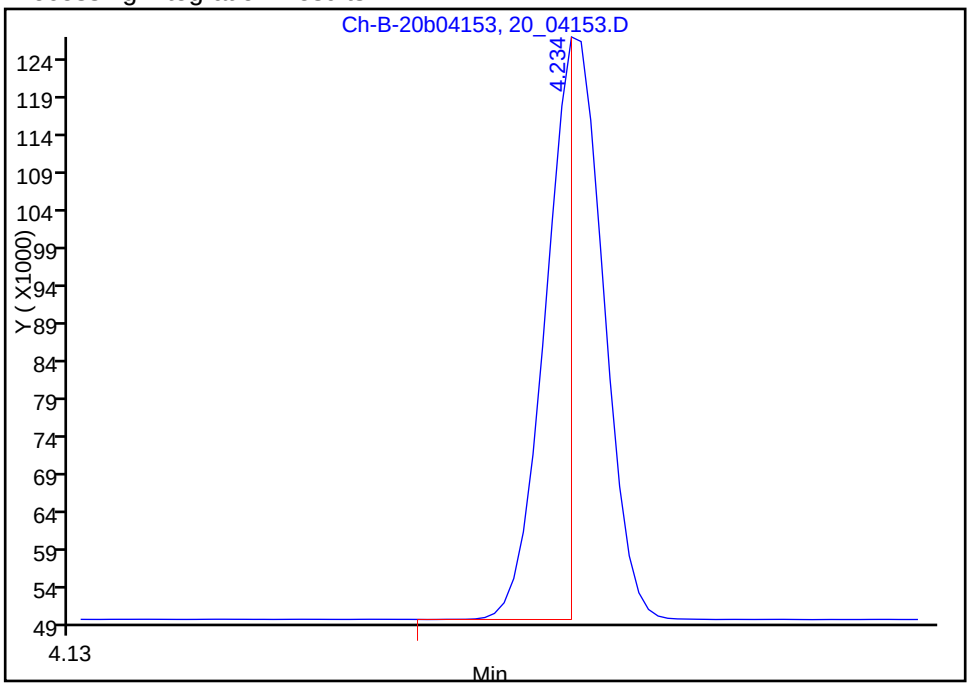
TestAmerica Buffalo

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

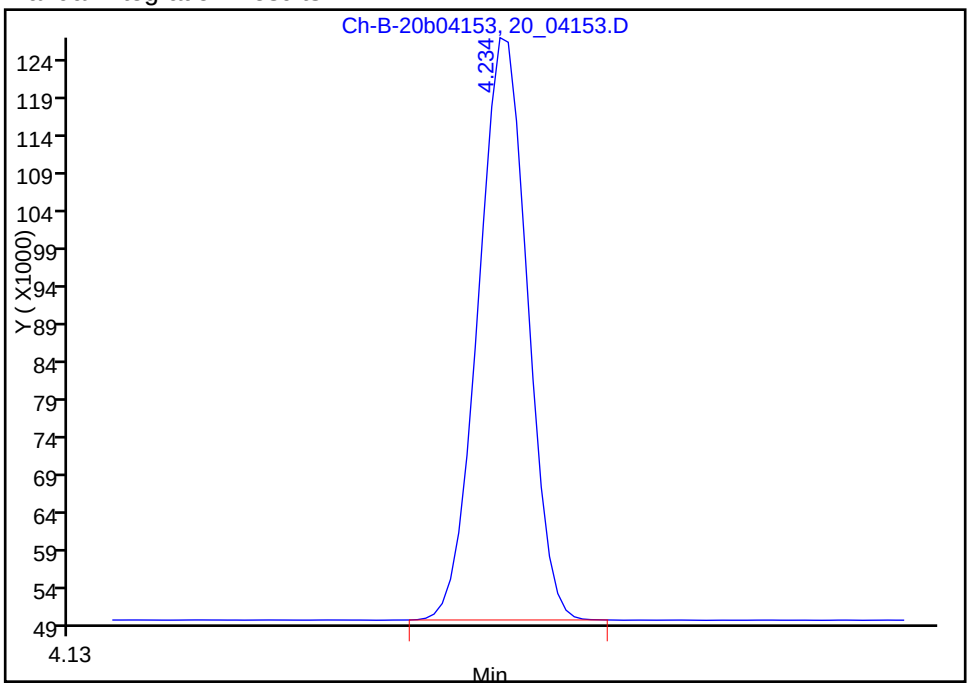
Processing Integration Results

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

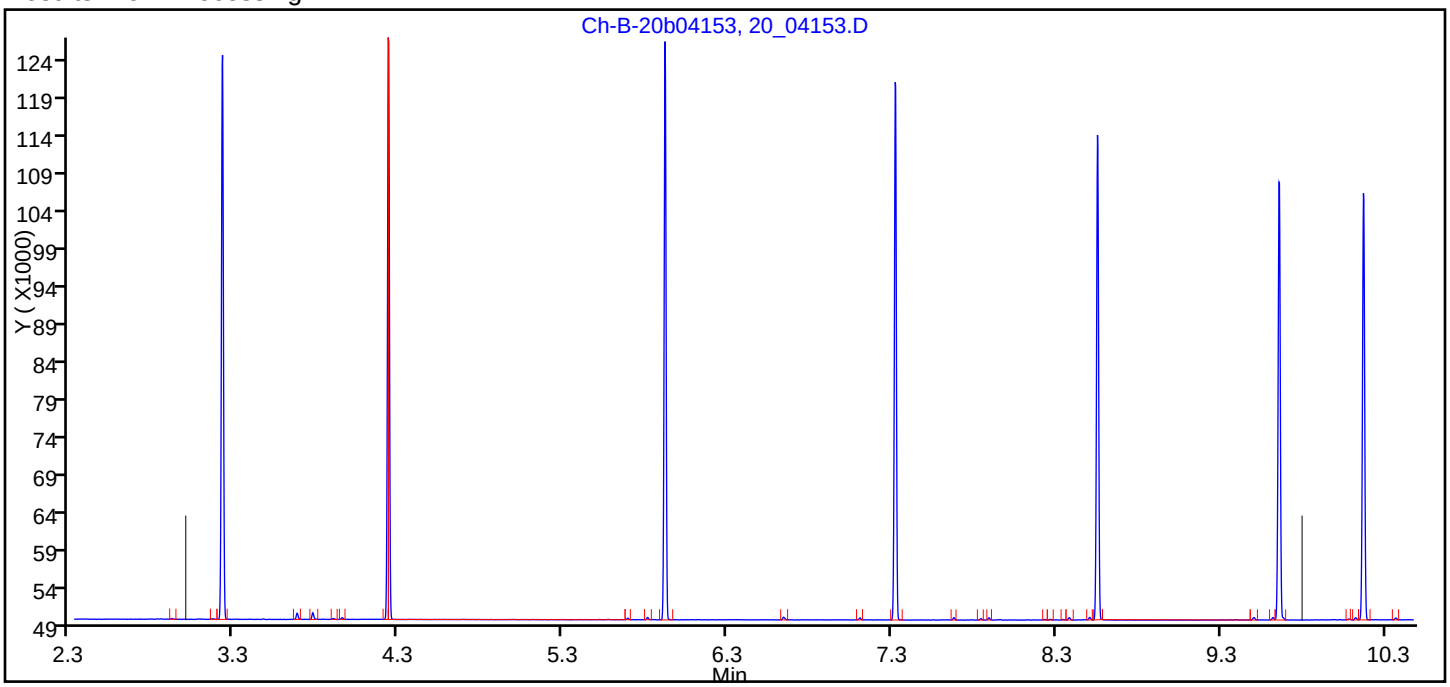
User Disabled Compound Report

TestAmerica Buffalo

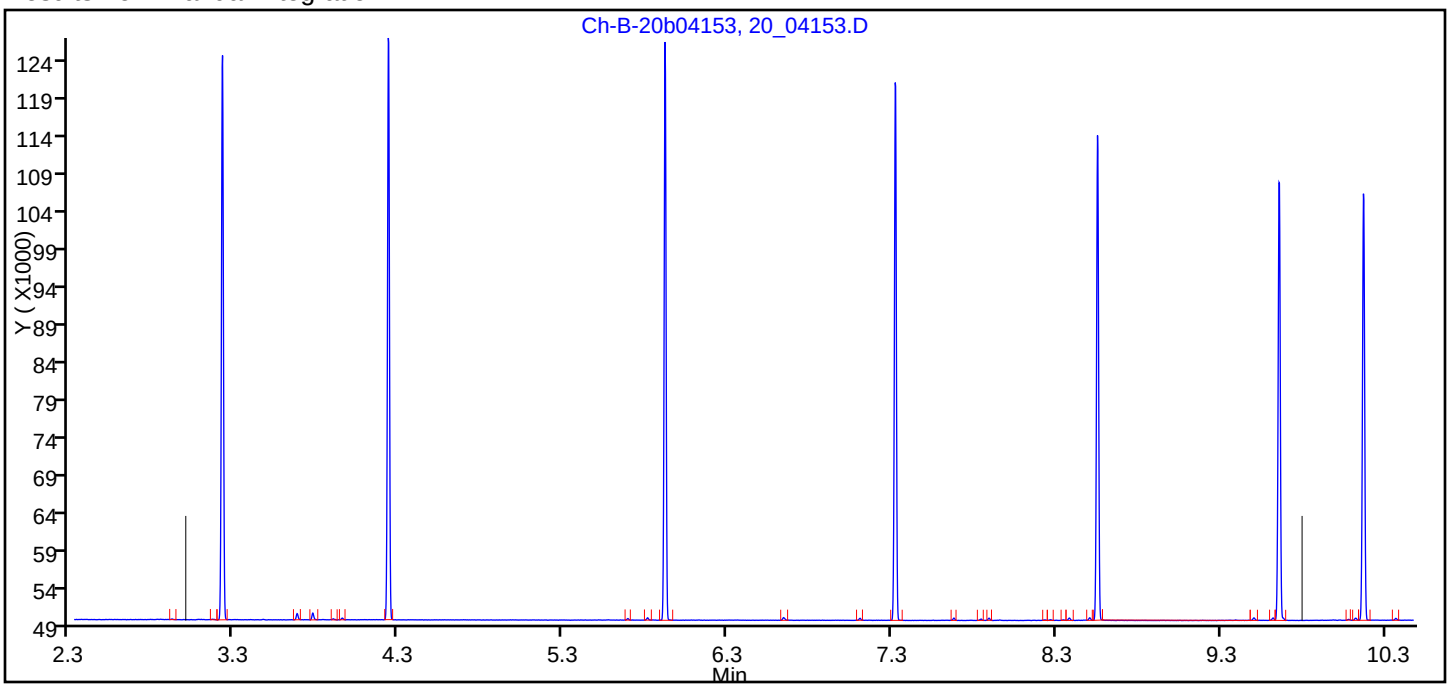
Data File:	\\BUFCHROM\ChromData\HP7890-20\20121226-17843.b\20_04153.D		
Injection Date:	26-Dec-2012 14:37:37	Limit Group:	GC MAEPH ICAL
Client ID:		Instrument ID:	HP7890-20
Lims Batch ID:	97357	Lims Sample ID:	13
Operator ID:	tchrom	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

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.: 480-30106-1

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.: 480-30106-1

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	

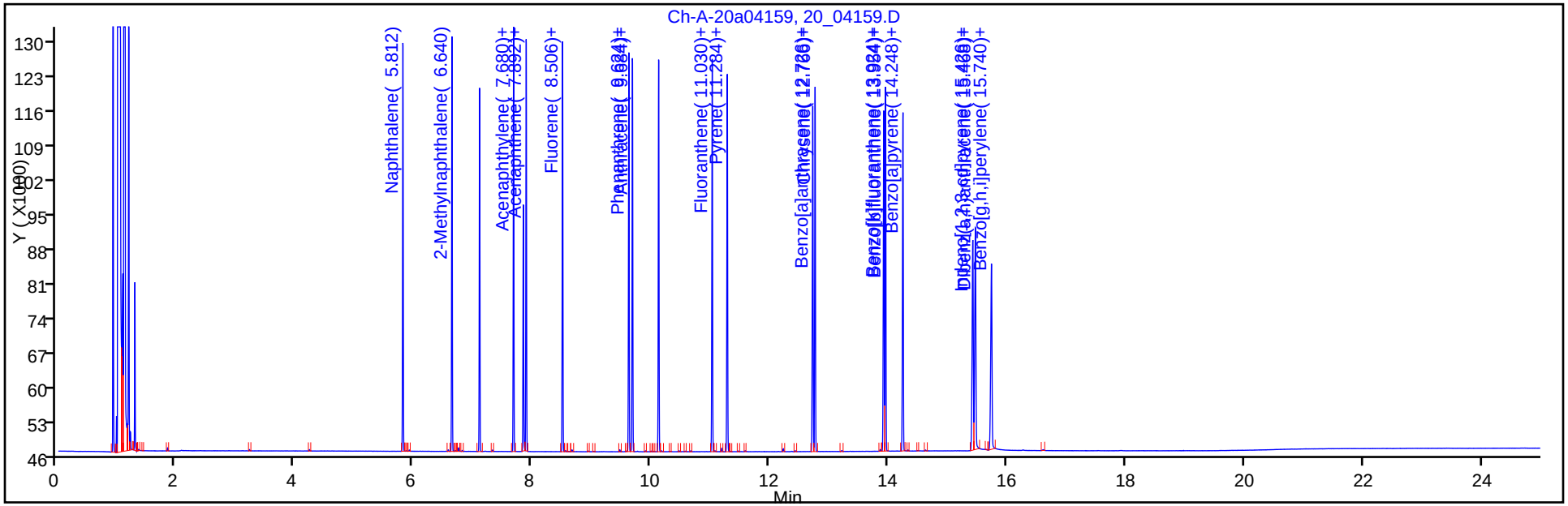
Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
E 40 n-Hexatriacontane						
2	17.928	17.932	-0.004	48194	43.7	

Report Date: 27-Dec-2012 07:22:07 Chrom Revision: 2.0 22-Oct-2012 16:30:48

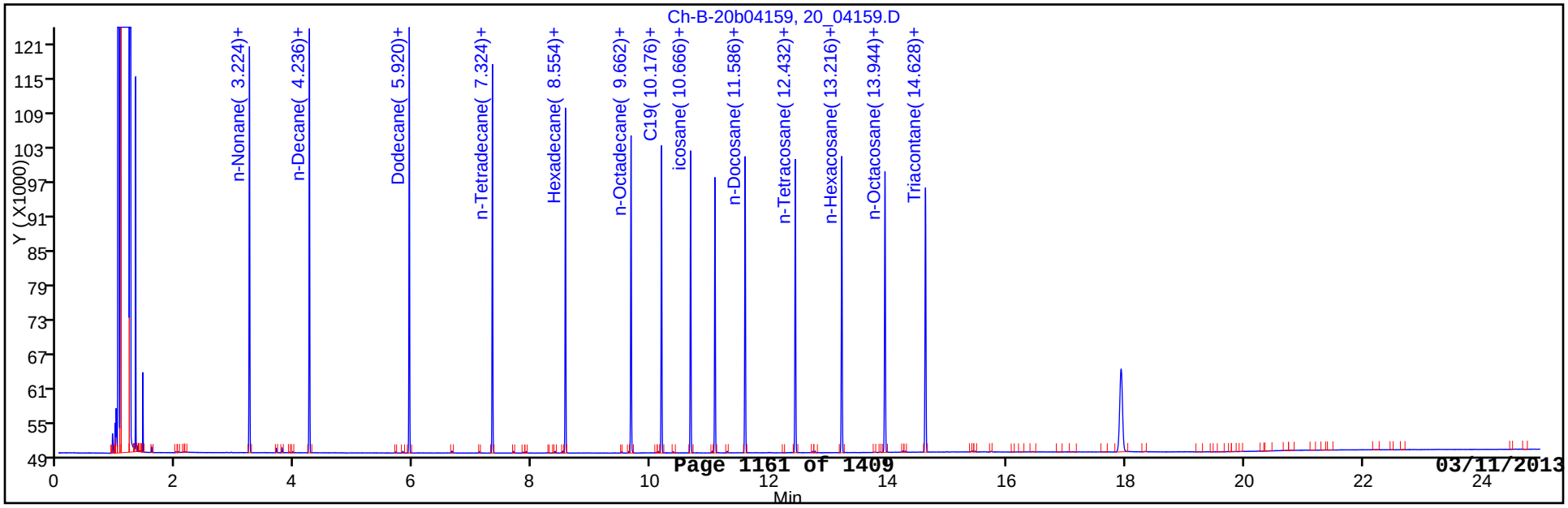
TestAmerica Buffalo

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.: 480-30106-1

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.: 480-30106-1

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	

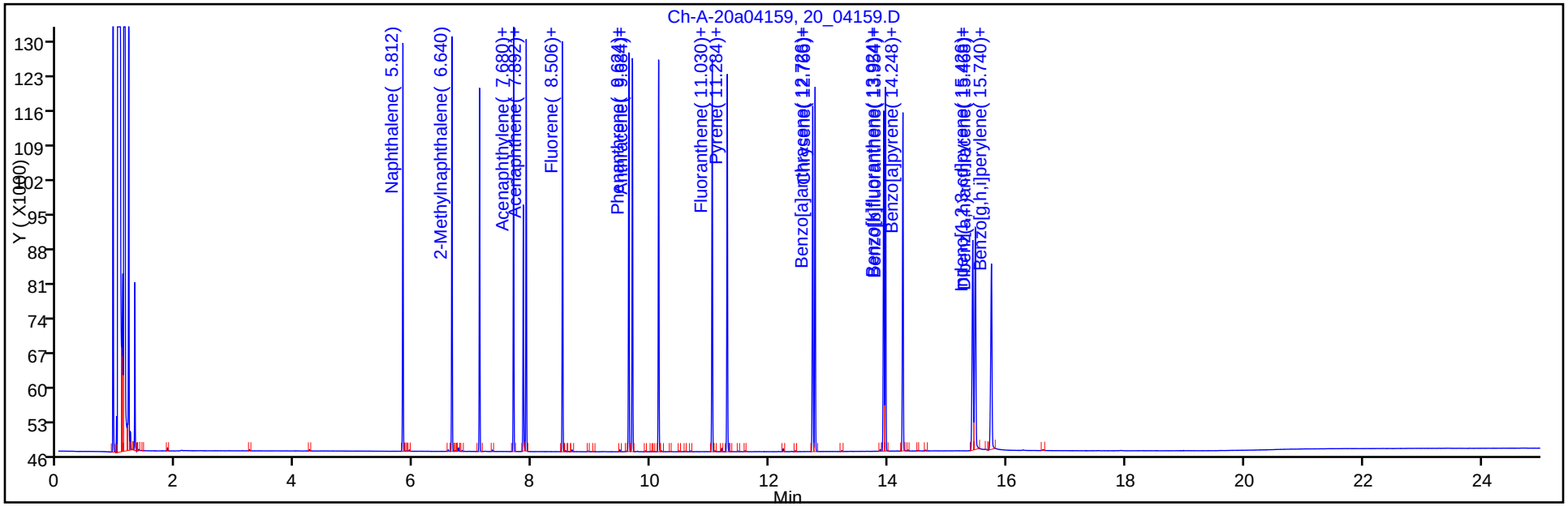
Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
E 40 n-Hexatriacontane						
2	17.928	17.932	-0.004	48194	43.7	

Report Date: 27-Dec-2012 07:22:08 Chrom Revision: 2.0 22-Oct-2012 16:30:48

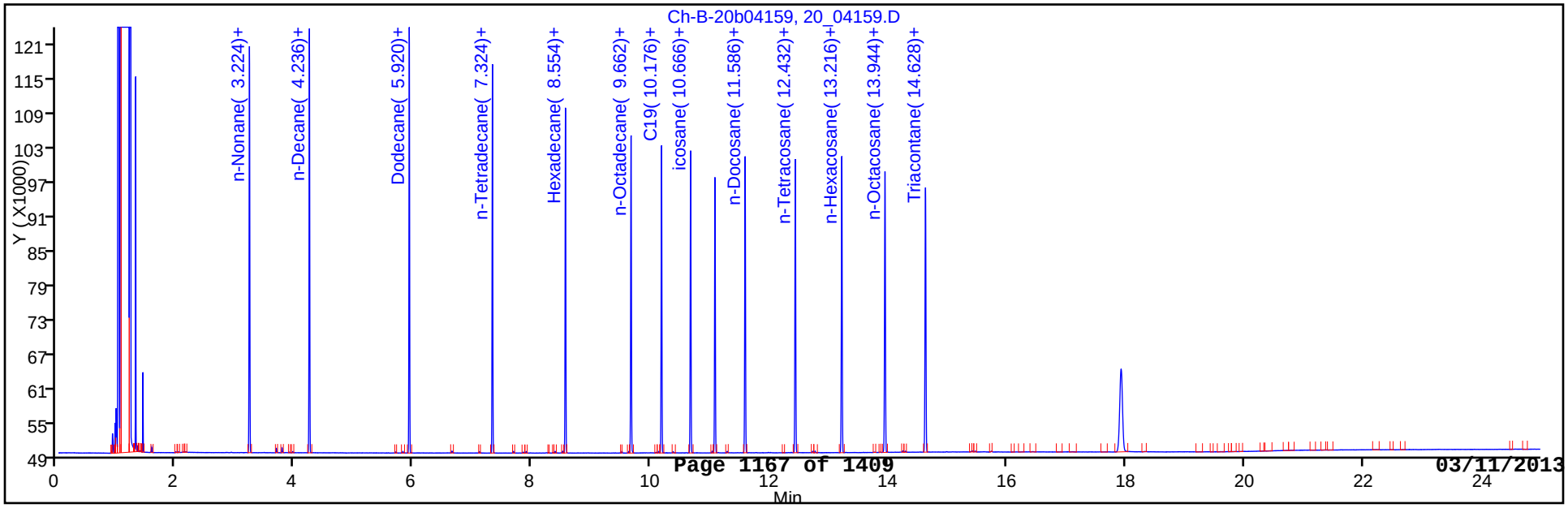
TestAmerica Buffalo

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:



Y Scaling:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo
Job No.: 480-30106-1
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	

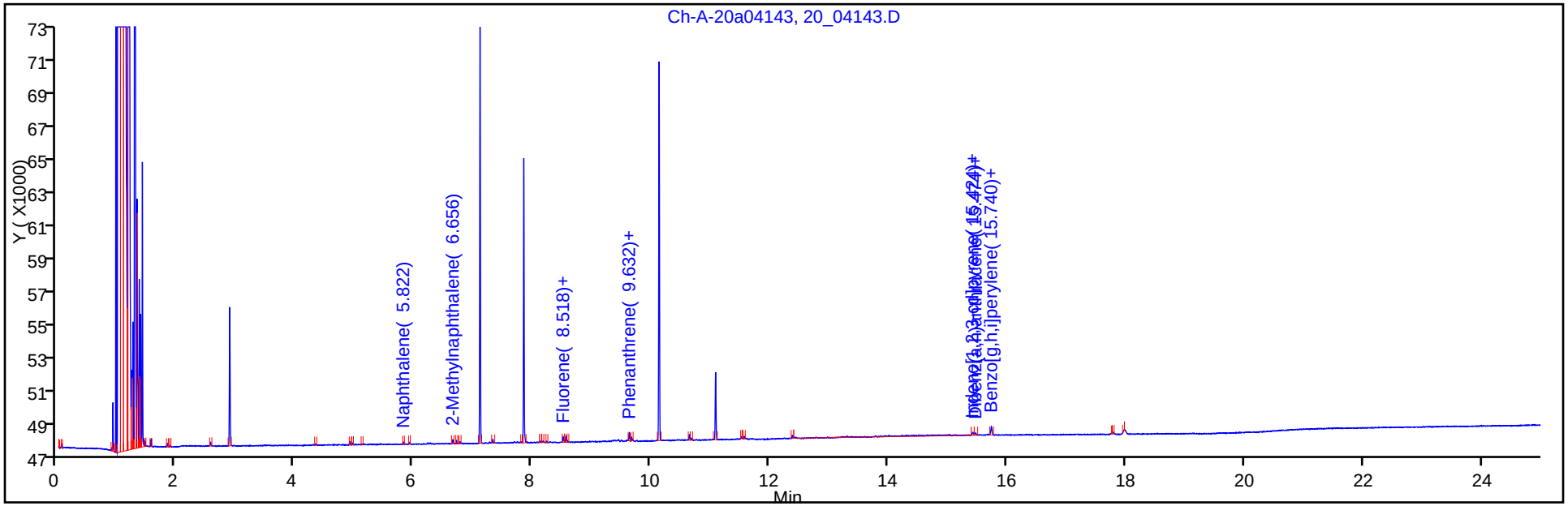
Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
$ 25 1-Chlorooctadecane						
2	11.088	11.076	0.012	10283	12.0	
A 5 C11-C22 Aromatics						
1	11.650	7.500 - 15.800		11174	9.67	
A 3 C19-C36 Aliphatics						
2	13.300	8.500 - 18.100		12414	8.57	
37 Indeno[1,2,3-cd]pyrene						
1	15.424	15.426	-0.002	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

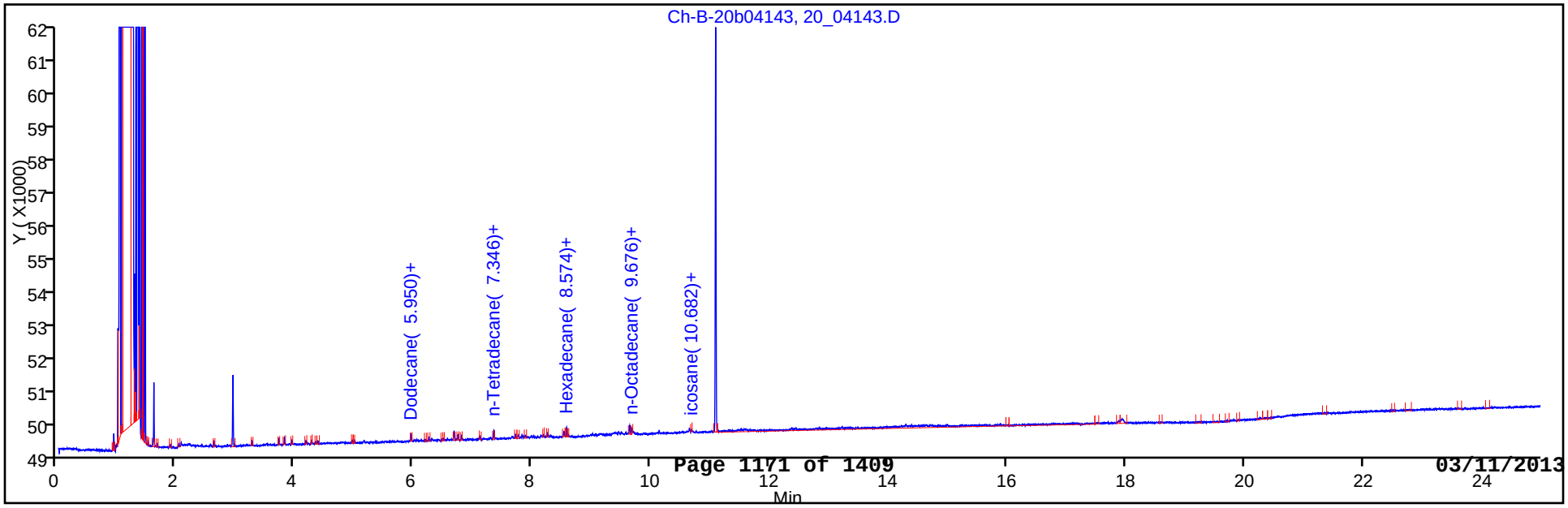
TestAmerica Buffalo

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.: 480-30106-1
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	

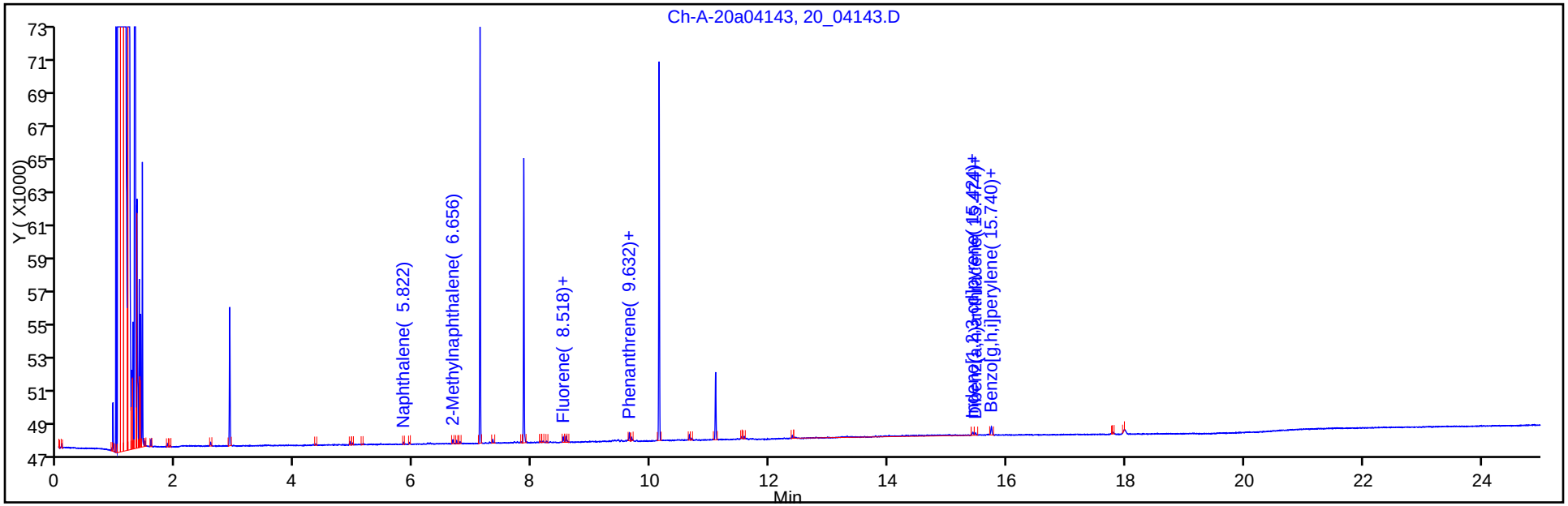
Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
$ 25 1-Chlorooctadecane						
2	11.088	11.076	0.012	10283	12.0	
A 5 C11-C22 Aromatics						
1	11.650	7.500 - 15.800		11174	9.67	
A 3 C19-C36 Aliphatics						
2	13.300	8.500 - 18.100		12414	8.57	
37 Indeno[1,2,3-cd]pyrene						
1	15.424	15.426	-0.002	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

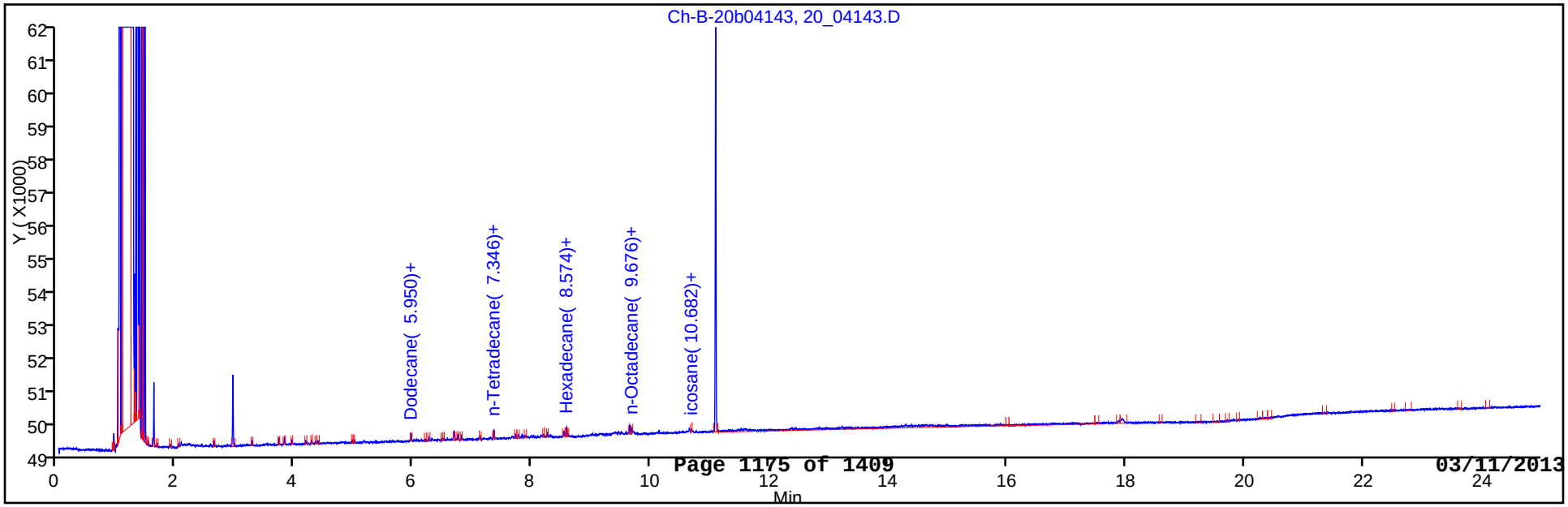
TestAmerica Buffalo

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.: 480-30106-1
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	

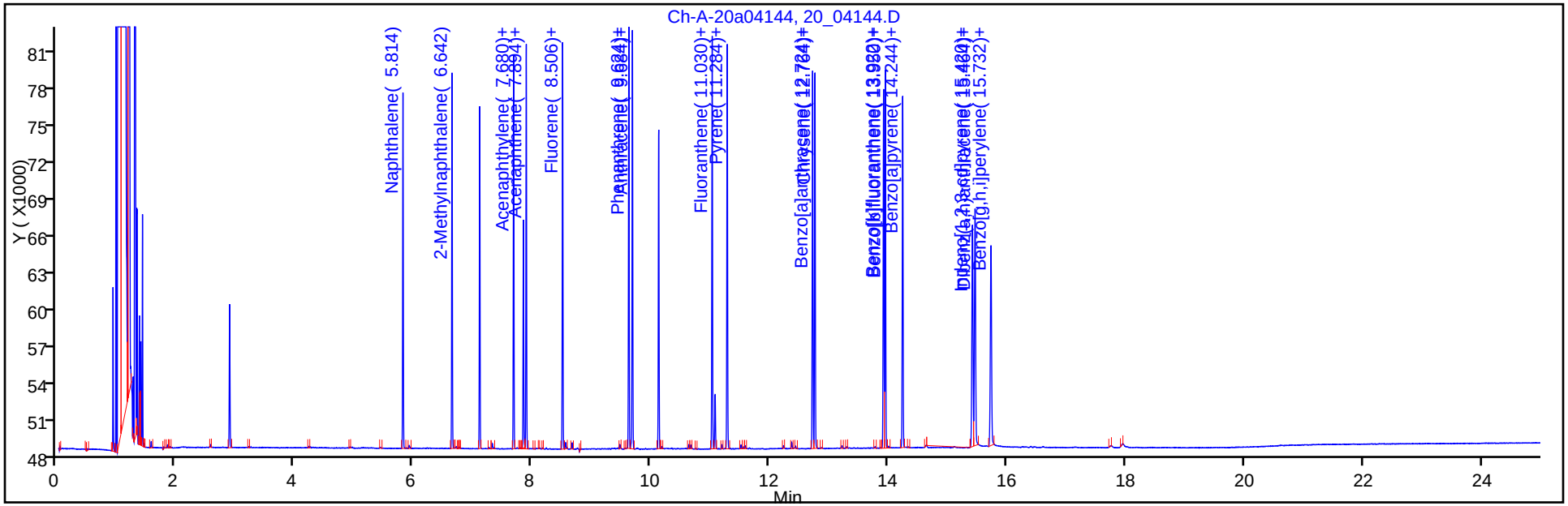
Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
E 40 n-Hexatriacontane						
2	17.928	17.932	-0.004	19489	17.7	

Report Date: 27-Dec-2012 07:12:55 Chrom Revision: 2.0 22-Oct-2012 16:30:48

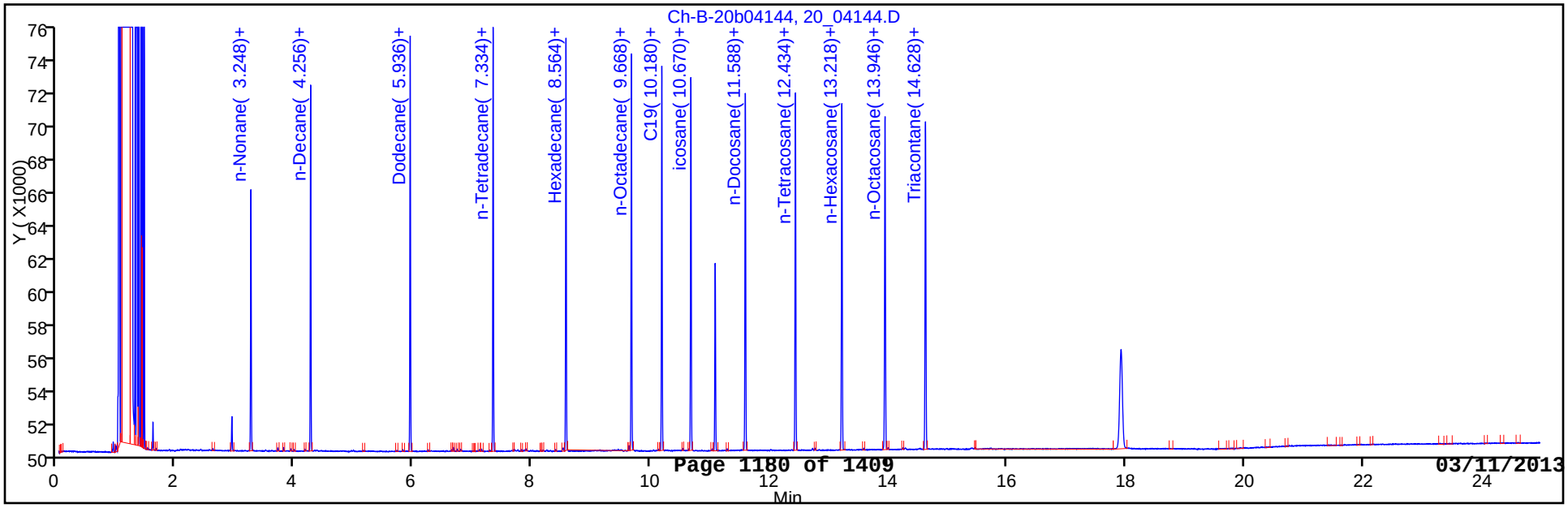
TestAmerica Buffalo

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.: 480-30106-1
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	

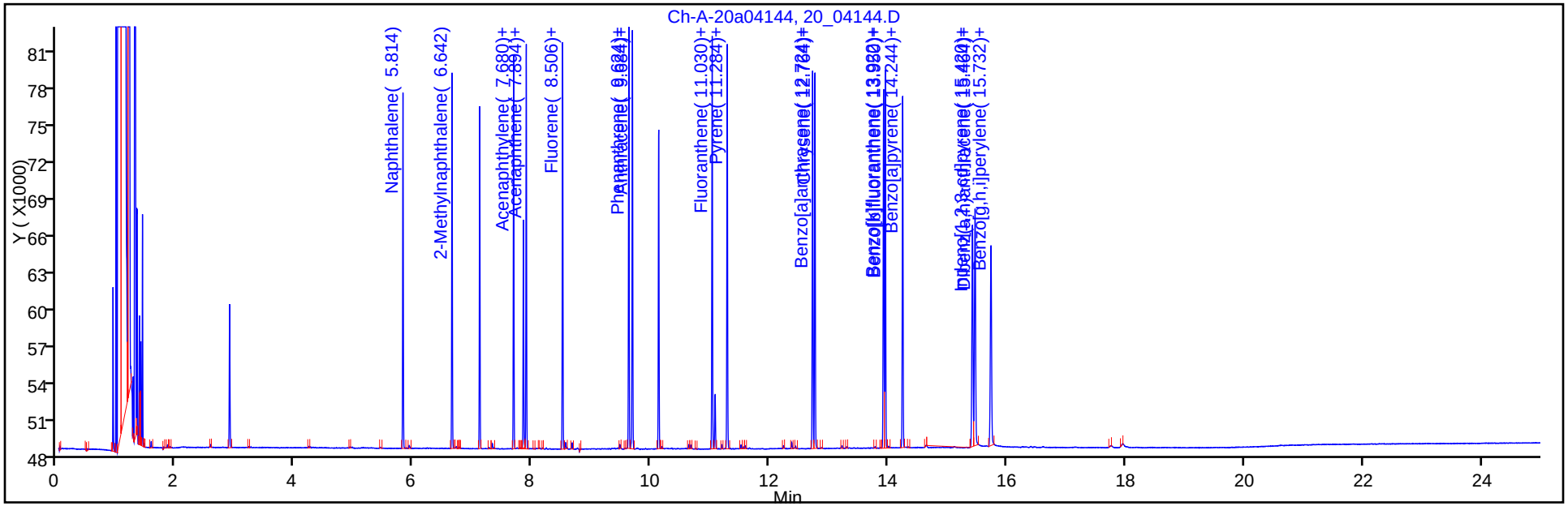
Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
E 40 n-Hexatriacontane						
2	17.928	17.932	-0.004	19489	17.7	

Report Date: 27-Dec-2012 07:12:55 Chrom Revision: 2.0 22-Oct-2012 16:30:48

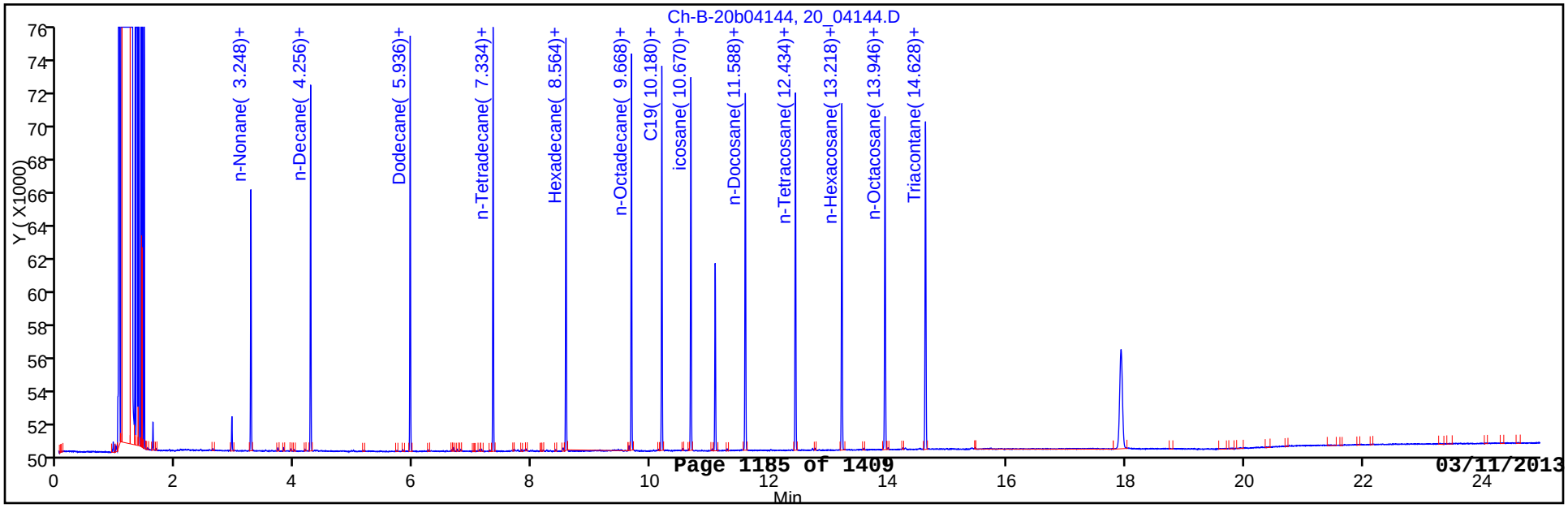
TestAmerica Buffalo

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:



Y Scaling:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo
Job No.: 480-30106-1
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	

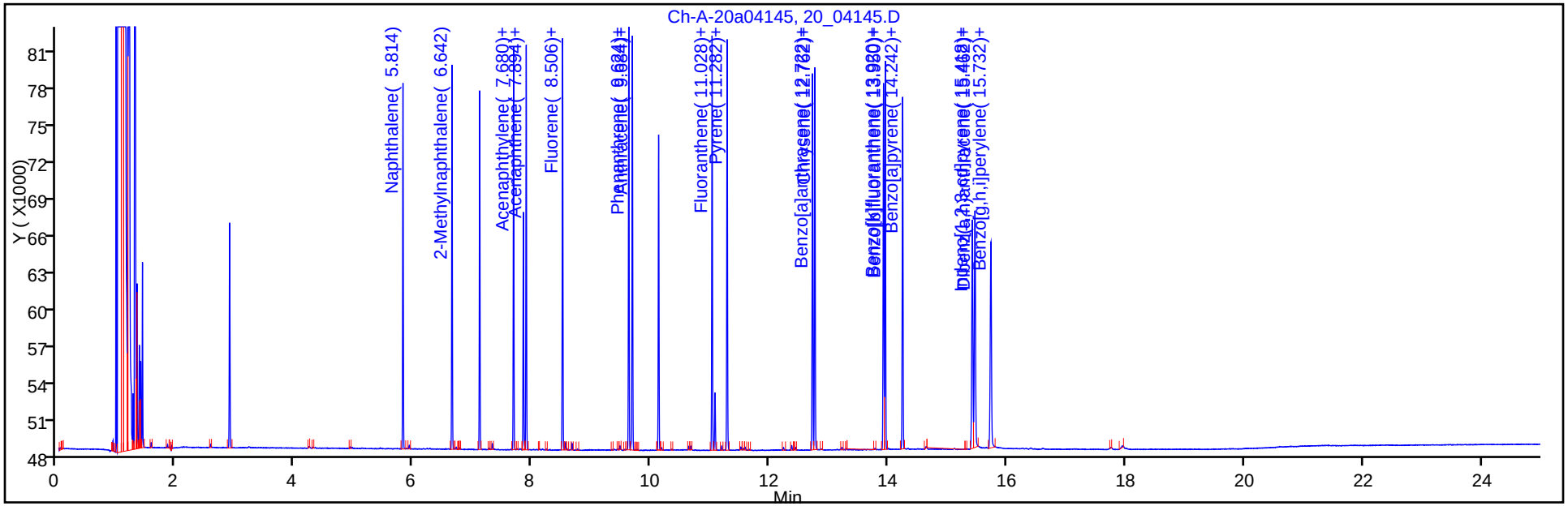
Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
E 40 n-Hexatriacontane						
2	17.924	17.932	-0.008	19141	17.4	

Report Date: 27-Dec-2012 07:13:01 Chrom Revision: 2.0 22-Oct-2012 16:30:48

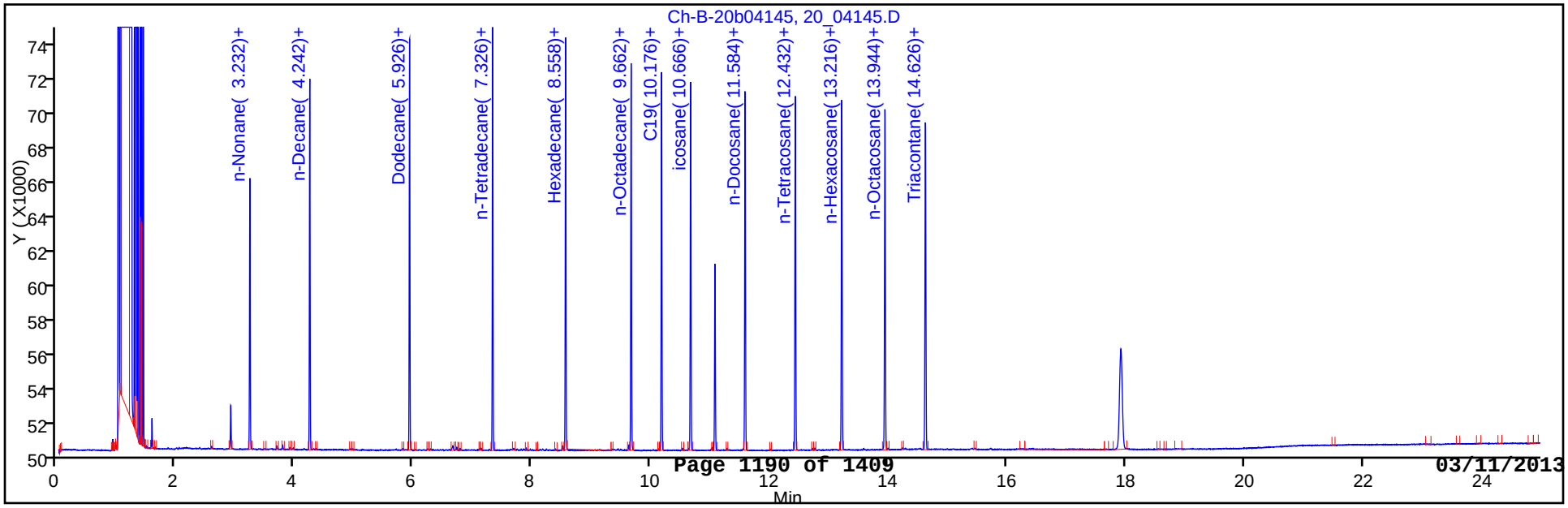
TestAmerica Buffalo

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.: 480-30106-1
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	

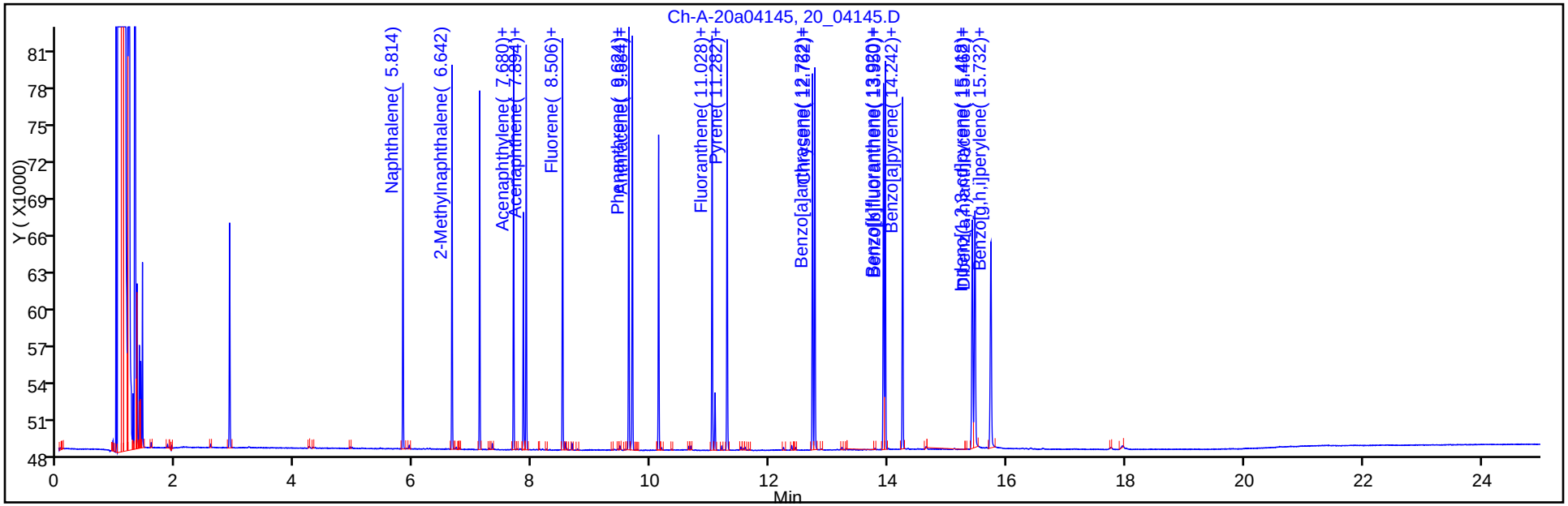
Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/ml	Flags
E 40 n-Hexatriacontane						
2	17.924	17.932	-0.008	19141	17.4	

Report Date: 27-Dec-2012 07:13:01 Chrom Revision: 2.0 22-Oct-2012 16:30:48

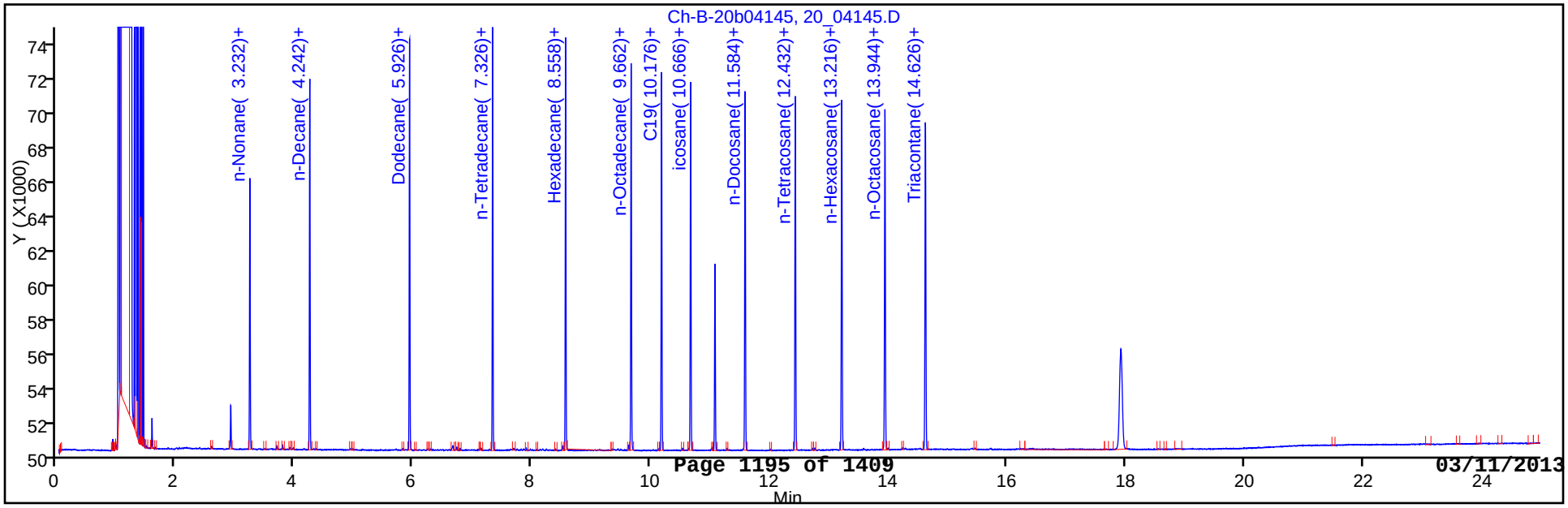
TestAmerica Buffalo

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.: 480-30106-1

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)

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-30106-1

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)
480-30106-4	OC-SB-514-0.0/1.0-XXX	12/26/2012 11:11	1	20_04146.D	ZB-5 0.53(mm)
480-30106-4	OC-SB-514-0.0/1.0-XXX	12/26/2012 11:11	1	20_04146.D	ZB-5 0.53(mm)
480-30106-5	OC-SB-514-7.0/9.0-XXX	12/26/2012 11:40	1	20_04147.D	ZB-5 0.53(mm)
480-30106-5	OC-SB-514-7.0/9.0-XXX	12/26/2012 11:40	1	20_04147.D	ZB-5 0.53(mm)
480-30106-6	OC-SB-514-15/17-XXX	12/26/2012 12:10	1	20_04148.D	ZB-5 0.53(mm)
480-30106-6	OC-SB-514-15/17-XXX	12/26/2012 12:10	1	20_04148.D	ZB-5 0.53(mm)
480-30106-8	OC-SB-515-6.0/8.0-XXX	12/26/2012 12:39	1	20_04149.D	ZB-5 0.53(mm)
480-30106-8	OC-SB-515-6.0/8.0-XXX	12/26/2012 12:39	1	20_04149.D	ZB-5 0.53(mm)
480-30106-9	OC-SB-515-13/15-XXX	12/26/2012 13:09	1	20_04150.D	ZB-5 0.53(mm)
480-30106-9	OC-SB-515-13/15-XXX	12/26/2012 13:09	1	20_04150.D	ZB-5 0.53(mm)
480-30106-11	OC-SB-516-6.0/8.0-XXX	12/26/2012 13:38	1	20_04151.D	ZB-5 0.53(mm)
480-30106-11	OC-SB-516-6.0/8.0-XXX	12/26/2012 13:38	1	20_04151.D	ZB-5 0.53(mm)
480-30106-12	OC-SB-516-15/17-XXX	12/26/2012 14:07	1	20_04152.D	ZB-5 0.53(mm)
480-30106-12	OC-SB-516-15/17-XXX	12/26/2012 14:07	1	20_04152.D	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)
480-30106-13	OC-SB-517-0.0/1.0-XXX	12/26/2012 15:07	1	20_04154.D	ZB-5 0.53(mm)
480-30106-13	OC-SB-517-0.0/1.0-XXX	12/26/2012 15:07	1	20_04154.D	ZB-5 0.53(mm)
480-30106-14	OC-SB-517-6.0/8.0-XXX	12/26/2012 15:36	1	20_04155.D	ZB-5 0.53(mm)
480-30106-14	OC-SB-517-6.0/8.0-XXX	12/26/2012 15:36	1	20_04155.D	ZB-5 0.53(mm)
480-30106-15	OC-SB-517-18/20-XXX	12/26/2012 16:05	1	20_04156.D	ZB-5 0.53(mm)
480-30106-15	OC-SB-517-18/20-XXX	12/26/2012 16:05	1	20_04156.D	ZB-5 0.53(mm)
480-30106-22	OC-DUP-4	12/26/2012 16:35	1	20_04157.D	ZB-5 0.53(mm)
480-30106-22	OC-DUP-4	12/26/2012 16:35	1	20_04157.D	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)
ZZZZZ		12/26/2012 18:03	1		ZB-5 0.53(mm)
ZZZZZ		12/26/2012 18:03	1		ZB-5 0.53(mm)
ZZZZZ		12/26/2012 18:33	1		ZB-5 0.53(mm)
ZZZZZ		12/26/2012 18:33	1		ZB-5 0.53(mm)
ZZZZZ		12/26/2012 19:02	1		ZB-5 0.53(mm)
ZZZZZ		12/26/2012 19:02	1		ZB-5 0.53(mm)
ZZZZZ		12/26/2012 19:31	1		ZB-5 0.53(mm)
ZZZZZ		12/26/2012 19:31	1		ZB-5 0.53(mm)
ZZZZZ		12/26/2012 20:01	1		ZB-5 0.53(mm)

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-30106-1

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
ZZZZZ		12/26/2012 20:01	1		ZB-5 0.53(mm)
ZZZZZ		12/26/2012 20:31	1		ZB-5 0.53(mm)
ZZZZZ		12/26/2012 20:31	1		ZB-5 0.53(mm)
ZZZZZ		12/26/2012 21:00	1		ZB-5 0.53(mm)
ZZZZZ		12/26/2012 21:00	1		ZB-5 0.53(mm)
ZZZZZ		12/26/2012 21:30	1		ZB-5 0.53(mm)
ZZZZZ		12/26/2012 21:30	1		ZB-5 0.53(mm)
CCV 480-97357/28		12/26/2012 21:59	1		ZB-5 0.53(mm)
CCV 480-97357/28		12/26/2012 21:59	1		ZB-5 0.53(mm)

GC SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-30106-1

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	
480-30106-B-4	OC-SB-514-0.0/1.0-XXX	3546, MA EPH Frac, MA-EPH	T	000010.3 g	2 mL			1 mL	
480-30106-B-5	OC-SB-514-7.0/9.0-XXX	3546, MA EPH Frac, MA-EPH	T	000010.5 g	2 mL			1 mL	
480-30106-B-6	OC-SB-514-15/17-XXX	3546, MA EPH Frac, MA-EPH	T	000010.7 g	2 mL			1 mL	
480-30106-A-8	OC-SB-515-6.0/8.0-XXX	3546, MA EPH Frac, MA-EPH	T	000010.4 g	2 mL			1 mL	
480-30106-A-9	OC-SB-515-13/15-XXX	3546, MA EPH Frac, MA-EPH	T	000010.8 g	2 mL			1 mL	
480-30106-A-11	OC-SB-516-6.0/8.0-XXX	3546, MA EPH Frac, MA-EPH	T	000010.5 g	2 mL			1 mL	
480-30106-A-12	OC-SB-516-15/17-XXX	3546, MA EPH Frac, MA-EPH	T	000010.3 g	2 mL			1 mL	
480-30106-B-13	OC-SB-517-0.0/1.0-XXX	3546, MA EPH Frac, MA-EPH	T	000010.8 g	2 mL			1 mL	
480-30106-B-14	OC-SB-517-6.0/8.0-XXX	3546, MA EPH Frac, MA-EPH	T	000010.2 g	2 mL			1 mL	
480-30106-B-15	OC-SB-517-18/20-XXX	3546, MA EPH Frac, MA-EPH	T	000010.1 g	2 mL			1 mL	
480-30106-B-22	OC-DUP-4	3546, MA EPH Frac, MA-EPH	T	000010.5 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.: 480-30106-1

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.: 480-30106-1

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		
480-30106-B-4-A	OC-SB-514-0.0/1.0-XXX	MA EPH Frac, MA-EPH	T	2 mL	2 mL	1 mL	Aliphatic		
480-30106-B-5-A	OC-SB-514-7.0/9.0-XXX	MA EPH Frac, MA-EPH	T	2 mL	2 mL	1 mL	Aliphatic		
480-30106-B-6-A	OC-SB-514-15/17-XXX	MA EPH Frac, MA-EPH	T	2 mL	2 mL	1 mL	Aliphatic		
480-30106-A-8-A	OC-SB-515-6.0/8.0-XXX	MA EPH Frac, MA-EPH	T	2 mL	2 mL	1 mL	Aliphatic		
480-30106-A-9-A	OC-SB-515-13/15-XXX	MA EPH Frac, MA-EPH	T	2 mL	2 mL	1 mL	Aliphatic		
480-30106-A-11-A	OC-SB-516-6.0/8.0-XXX	MA EPH Frac, MA-EPH	T	2 mL	2 mL	1 mL	Aliphatic		
480-30106-A-12-A	OC-SB-516-15/17-XXX	MA EPH Frac, MA-EPH	T	2 mL	2 mL	1 mL	Aliphatic		
480-30106-B-13-A	OC-SB-517-0.0/1.0-XXX	MA EPH Frac, MA-EPH	T	2 mL	2 mL	1 mL	Aliphatic		
480-30106-B-14-A	OC-SB-517-6.0/8.0-XXX	MA EPH Frac, MA-EPH	T	2 mL	2 mL	1 mL	Aliphatic		
480-30106-B-15-A	OC-SB-517-18/20-XXX	MA EPH Frac, MA-EPH	T	2 mL	2 mL	1 mL	Aliphatic		
480-30106-B-22-A	OC-DUP-4	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.: 480-30106-1

SDG No.:

Client Sample ID: OC-SB-514-0.0/1.0-XXX Lab Sample ID: 480-30106-4

Matrix: Solid Lab File ID:

Analysis Method: MA-EPH Date Collected: 12/12/2012 08:50

Extraction Method: Date Extracted:

Sample wt/vol: Date Analyzed: 12/30/2012 21:05

Con. Extract Vol.: Dilution Factor: 1

Injection Volume: GC Column: ID:

% Moisture: 22.8 GPC Cleanup:(Y/N) N

Analysis Batch No.: 97835 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00203	C11-C22 Aromatics (Adjusted)	ND		4.3	4.3

FORM I

GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-30106-1

SDG No.:

Client Sample ID: OC-SB-514-7.0/9.0-XXX Lab Sample ID: 480-30106-5

Matrix: Solid Lab File ID:

Analysis Method: MA-EPH Date Collected: 12/12/2012 09:00

Extraction Method: Date Extracted:

Sample wt/vol: Date Analyzed: 12/30/2012 21:05

Con. Extract Vol.: Dilution Factor: 1

Injection Volume: GC Column: ID:

% Moisture: 21.6 GPC Cleanup:(Y/N) N

Analysis Batch No.: 97835 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00203	C11-C22 Aromatics (Adjusted)	ND		4.2	4.2

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo
Job No.: 480-30106-1
SDG No.:
Client Sample ID: OC-SB-514-15/17-XXX
Lab Sample ID: 480-30106-6
Matrix: Solid
Lab File ID:
Analysis Method: MA-EPH
Date Collected: 12/12/2012 09:20
Extraction Method:
Date Extracted:
Sample wt/vol:
Date Analyzed: 12/30/2012 21:05
Con. Extract Vol.:
Dilution Factor: 1
Injection Volume:
GC Column: ID:
% Moisture: 8.0
GPC Cleanup:(Y/N) N
Analysis Batch No.: 97835
Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00203	C11-C22 Aromatics (Adjusted)	ND		3.6	3.6

FORM I

GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-30106-1

SDG No.:

Client Sample ID: OC-SB-515-6.0/8.0-XXX Lab Sample ID: 480-30106-8

Matrix: Solid Lab File ID:

Analysis Method: MA-EPH Date Collected: 12/12/2012 10:20

Extraction Method: Date Extracted:

Sample wt/vol: Date Analyzed: 12/30/2012 21:05

Con. Extract Vol.: Dilution Factor: 1

Injection Volume: GC Column: ID:

% Moisture: 15.4 GPC Cleanup:(Y/N) N

Analysis Batch No.: 97835 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.: 480-30106-1

SDG No.:

Client Sample ID: OC-SB-515-13/15-XXX Lab Sample ID: 480-30106-9

Matrix: Solid Lab File ID:

Analysis Method: MA-EPH Date Collected: 12/12/2012 10:45

Extraction Method: Date Extracted:

Sample wt/vol: Date Analyzed: 12/30/2012 21:05

Con. Extract Vol.: Dilution Factor: 1

Injection Volume: GC Column: ID:

% Moisture: 16.8 GPC Cleanup:(Y/N) N

Analysis Batch No.: 97835 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.: 480-30106-1

SDG No.:

Client Sample ID: OC-SB-516-6.0/8.0-XXX Lab Sample ID: 480-30106-11

Matrix: Solid Lab File ID:

Analysis Method: MA-EPH Date Collected: 12/12/2012 11:25

Extraction Method: Date Extracted:

Sample wt/vol: Date Analyzed: 12/30/2012 21:05

Con. Extract Vol.: Dilution Factor: 1

Injection Volume: GC Column: ID:

% Moisture: 16.7 GPC Cleanup:(Y/N) N

Analysis Batch No.: 97835 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.: 480-30106-1

SDG No.:

Client Sample ID: OC-SB-516-15/17-XXX Lab Sample ID: 480-30106-12

Matrix: Solid Lab File ID:

Analysis Method: MA-EPH Date Collected: 12/12/2012 11:40

Extraction Method: Date Extracted:

Sample wt/vol: Date Analyzed: 12/30/2012 21:05

Con. Extract Vol.: Dilution Factor: 1

Injection Volume: GC Column: ID:

% Moisture: 21.6 GPC Cleanup:(Y/N) N

Analysis Batch No.: 97835 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00203	C11-C22 Aromatics (Adjusted)	ND		4.2	4.2

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo
Job No.: 480-30106-1
SDG No.:
Client Sample ID: OC-SB-517-0.0/1.0-XXX
Lab Sample ID: 480-30106-13
Matrix: Solid
Lab File ID:
Analysis Method: MA-EPH
Date Collected: 12/12/2012 12:15
Extraction Method:
Date Extracted:
Sample wt/vol:
Date Analyzed: 12/30/2012 21:05
Con. Extract Vol.:
Dilution Factor: 1
Injection Volume:
GC Column: ID:
% Moisture: 9.0
GPC Cleanup:(Y/N) N
Analysis Batch No.: 97835
Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00203	C11-C22 Aromatics (Adjusted)	ND		3.6	3.6

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-30106-1

SDG No.:

Client Sample ID: OC-SB-517-6.0/8.0-XXX Lab Sample ID: 480-30106-14

Matrix: Solid Lab File ID:

Analysis Method: MA-EPH Date Collected: 12/12/2012 12:20

Extraction Method: Date Extracted:

Sample wt/vol: Date Analyzed: 12/30/2012 21:05

Con. Extract Vol.: Dilution Factor: 1

Injection Volume: GC Column: ID:

% Moisture: 9.9 GPC Cleanup:(Y/N) N

Analysis Batch No.: 97835 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00203	C11-C22 Aromatics (Adjusted)	ND		3.7	3.7

FORM I

GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-30106-1

SDG No.:

Client Sample ID: OC-SB-517-18/20-XXX Lab Sample ID: 480-30106-15

Matrix: Solid Lab File ID:

Analysis Method: MA-EPH Date Collected: 12/12/2012 12:40

Extraction Method: Date Extracted:

Sample wt/vol: Date Analyzed: 12/30/2012 21:05

Con. Extract Vol.: Dilution Factor: 1

Injection Volume: GC Column: ID:

% Moisture: 21.9 GPC Cleanup:(Y/N) N

Analysis Batch No.: 97835 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00203	C11-C22 Aromatics (Adjusted)	ND		4.2	4.2

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-30106-1

SDG No.:

Client Sample ID: OC-DUP-4 Lab Sample ID: 480-30106-22

Matrix: Solid Lab File ID:

Analysis Method: MA-EPH Date Collected: 12/12/2012 00:00

Extraction Method: Date Extracted:

Sample wt/vol: Date Analyzed: 12/30/2012 21:05

Con. Extract Vol.: Dilution Factor: 1

Injection Volume: GC Column: ID:

% Moisture: 15.8 GPC Cleanup:(Y/N) N

Analysis Batch No.: 97835 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00203	C11-C22 Aromatics (Adjusted)	ND		3.9	3.9

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-30106-1

SDG No.:

Instrument ID: HP7890-20 Start Date: 12/30/2012 21:05

Analysis Batch Number: 97835 End Date: 12/30/2012 21:05

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
480-30106-4	OC-SB-514-0.0/1.0-XXX	12/30/2012 21:05	1		
ZZZZZ		12/30/2012 21:05	1		
480-30106-5	OC-SB-514-7.0/9.0-XXX	12/30/2012 21:05	1		
ZZZZZ		12/30/2012 21:05	1		
480-30106-6	OC-SB-514-15/17-XXX	12/30/2012 21:05	1		
ZZZZZ		12/30/2012 21:05	1		
480-30106-8	OC-SB-515-6.0/8.0-XXX	12/30/2012 21:05	1		
ZZZZZ		12/30/2012 21:05	1		
480-30106-9	OC-SB-515-13/15-XXX	12/30/2012 21:05	1		
ZZZZZ		12/30/2012 21:05	1		
480-30106-11	OC-SB-516-6.0/8.0-XXX	12/30/2012 21:05	1		
ZZZZZ		12/30/2012 21:05	1		
480-30106-12	OC-SB-516-15/17-XXX	12/30/2012 21:05	1		
ZZZZZ		12/30/2012 21:05	1		
480-30106-13	OC-SB-517-0.0/1.0-XXX	12/30/2012 21:05	1		
ZZZZZ		12/30/2012 21:05	1		
480-30106-14	OC-SB-517-6.0/8.0-XXX	12/30/2012 21:05	1		
ZZZZZ		12/30/2012 21:05	1		
480-30106-15	OC-SB-517-18/20-XXX	12/30/2012 21:05	1		
ZZZZZ		12/30/2012 21:05	1		
480-30106-22	OC-DUP-4	12/30/2012 21:05	1		
ZZZZZ		12/30/2012 21:05	1		

Method 7199

Chromium, Hexavalent (IC) by Method 7199

FORM III
HPLC/IC LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Irvine Job No.: 480-30106-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: Info 2_TAIIRV167_Hex

Lab ID: LCS 440-75585/2-A Client ID:

COMPOUND	SPIKE ADDED (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC	QC LIMITS REC	#
Cr (VI)	15.9	10.5	66	65-110	

Column to be used to flag recovery and RPD values

FORM III 7199

FORM III
HPLC/IC MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Irvine Job No.: 480-30106-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: Info 2_TAIIRV167_Hex

Lab ID: 480-30106-1 MS Client ID: OC-SB-513-0.0/1.0-XXX MS

COMPOUND	SPIKE ADDED (mg/Kg)	SAMPLE CONCENTRATION (mg/Kg)	MS CONCENTRATION (mg/Kg)	MS % REC	QC LIMITS REC	#
Cr (VI)	18.6	ND	10.3	56	55-110	

Column to be used to flag recovery and RPD values

FORM III 7199

FORM III
HPLC/IC MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Irvine Job No.: 480-30106-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: Info 2_TAIIRV167_Hex

Lab ID: 480-30106-6 MS Client ID: OC-SB-514-15/17-XXX MS

COMPOUND	SPIKE ADDED (mg/Kg)	SAMPLE CONCENTRATION (mg/Kg)	MS CONCENTRATION (mg/Kg)	MS % REC	QC LIMITS REC	#
Cr (VI)	17.5	0.88	13.1	69	55-110	

Column to be used to flag recovery and RPD values

FORM III 7199

FORM III
HPLC/IC MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Irvine Job No.: 480-30106-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: Info 2_TAIIRV167_Hex

Lab ID: 480-30106-1 MSD Client ID: OC-SB-513-0.0/1.0-XXX MSD

COMPOUND	SPIKE ADDED (mg/Kg)	MSD CONCENTRATION (mg/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Cr (VI)	18.3	9.97	55	4	20	55-110	

Column to be used to flag recovery and RPD values

FORM III 7199

FORM III
HPLC/IC MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Irvine Job No.: 480-30106-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: Info 2_TAIIRV167_Hex

Lab ID: 480-30106-6 MSD Client ID: OC-SB-514-15/17-XXX MSD

COMPOUND	SPIKE ADDED (mg/Kg)	MSD CONCENTRATION (mg/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Cr (VI)	17.2	13.1	71	1	20	55-110	

Column to be used to flag recovery and RPD values

FORM III 7199

FORM III
HPLC/IC MATRIX SPIKE INSOLUBLE RECOVERY

Lab Name: TestAmerica Irvine Job No.: 480-30106-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: Info 2_TAIIRV167_Hex

Lab ID: 480-30106-1 MSI Client ID: OC-SB-513-0.0/1.0-XXX MSI

COMPOUND	SPIKE ADDED (mg/Kg)	SAMPLE CONCENTRATION (mg/Kg)	MSI CONCENTRATION (mg/Kg)	MSI % REC	QC LIMITS REC	#
Cr (VI)	2780	ND	1570	56	55-110	

Column to be used to flag recovery and RPD values

FORM III 7199

FORM III
HPLC/IC MATRIX SPIKE INSOLUBLE RECOVERY

Lab Name: TestAmerica Irvine Job No.: 480-30106-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: Info 2_TAIIRV167_Hex

Lab ID: 480-30106-6 MSI Client ID: OC-SB-514-15/17-XXX MSI

COMPOUND	SPIKE ADDED (mg/Kg)	SAMPLE CONCENTRATION (mg/Kg)	MSI CONCENTRATION (mg/Kg)	MSI % REC	QC LIMITS REC	#
Cr (VI)	2250	0.88	1670	74	55-110	

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.: 480-30106-1

SDG No.:

Lab File ID: Info 2_TAIIRV167_Hex Lab Sample ID: MB 440-75585/1-A

Matrix: Solid Date Extracted: 12/27/2012 09:26

Instrument ID: IC-16 Date Analyzed: 12/31/2012 13:27

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 440-75585/2-A	Info 2_TAIIRV167_Hex Chrom_20121231-135226.d	12/31/2012 13:39
OC-SB-513-0.0/1.0-XXX	480-30106-1	Info 2_TAIIRV167_Hex Chrom_20121231-140508.d	12/31/2012 13:52
OC-SB-513-0.0/1.0-XXX MS	480-30106-1 MS	Info 2_TAIIRV167_Hex Chrom_20121231-141748.d	12/31/2012 14:05
OC-SB-513-0.0/1.0-XXX MSD	480-30106-1 MSD	Info 2_TAIIRV167_Hex Chrom_20121231-143028.d	12/31/2012 14:17
OC-SB-513-0.0/1.0-XXX MSI	480-30106-1 MSI	Info 2_TAIIRV167_Hex Chrom_20121231-144308.d	12/31/2012 14:30
OC-SB-513-7.0/9.0-XXX	480-30106-2	Info 2_TAIIRV167_Hex Chrom_20121231-145548.d	12/31/2012 14:43
OC-SB-513-10/12-XXX	480-30106-3	Info 2_TAIIRV167_Hex Chrom_20121231-150829.d	12/31/2012 14:55

FORM IV
HPLC/IC METHOD BLANK SUMMARY

Lab Name: TestAmerica Irvine Job No.: 480-30106-1

SDG No.:

Lab File ID: Info 2_TAIIRV167_Hex Lab Sample ID: MB 440-75585/1-A

Matrix: Solid Date Extracted: 12/27/2012 09:26

Instrument ID: IC-16 Date Analyzed: 12/31/2012 13:27

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-514-0.0/1.0-XXX	480-30106-4	Info 2_TAIIRV167_Hex Chrom_20121231-152108.d	12/31/2012 15:08
OC-SB-514-7.0/9.0-XXX	480-30106-5	Info 2_TAIIRV167_Hex Chrom_20121231-153349.d	12/31/2012 15:21
OC-SB-514-15/17-XXX	480-30106-6	Info 2_TAIIRV167_Hex Chrom_20130101-171550.d	01/01/2013 17:03
OC-SB-514-15/17-XXX MS	480-30106-6 MS	Info 2_TAIIRV167_Hex Chrom_20130101-172829.d	01/01/2013 17:15
OC-SB-514-15/17-XXX MSD	480-30106-6 MSD	Info 2_TAIIRV167_Hex Chrom_20130101-174109.d	01/01/2013 17:28
OC-SB-514-15/17-XXX MSI	480-30106-6 MSI	Info 2_TAIIRV167_Hex Chrom_20130101-175348.d	01/01/2013 17:41
OC-SB-517-0.0/1.0-XXX	480-30106-13	Info 2_TAIIRV167_Hex Chrom_20130101-180628.d	01/01/2013 17:53

FORM IV
HPLC/IC METHOD BLANK SUMMARY

Lab Name: TestAmerica Irvine Job No.: 480-30106-1

SDG No.:

Lab File ID: Info 2_TAIIRV167_Hex Lab Sample ID: MB 440-75585/1-A

Matrix: Solid Date Extracted: 12/27/2012 09:26

Instrument ID: IC-16 Date Analyzed: 12/31/2012 13:27

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-517-6.0/8.0-XXX	480-30106-14	Info 2_TAIIRV167_Hex Chrom_20130101-181907.d	01/01/2013 18:06
OC-SB-517-18/20-XXX	480-30106-15	Info 2_TAIIRV167_Hex Chrom_20130101-183147.d	01/01/2013 18:19
OC-SB-524-0.0/1.0-XXX	480-30106-16	Info 2_TAIIRV167_Hex Chrom_20130101-184426.d	01/01/2013 18:31
OC-SB-524-8.0/10-XXX	480-30106-17	Info 2_TAIIRV167_Hex Chrom_20130101-185705.d	01/01/2013 18:44
OC-SB-524-27/29-XXX	480-30106-18	Info 2_TAIIRV167_Hex Chrom_20130101-190945.d	01/01/2013 18:57
OC-SB-523-0.0/1.0-XXX	480-30106-19	Info 2_TAIIRV167_Hex Chrom_20130101-194743.d	01/01/2013 19:35
OC-SB-523-6.0/8.0-XXX	480-30106-20	Info 2_TAIIRV167_Hex Chrom_20130101-200022.d	01/01/2013 19:47

FORM IV
HPLC/IC METHOD BLANK SUMMARY

Lab Name: TestAmerica Irvine Job No.: 480-30106-1

SDG No.:

Lab File ID: Info 2_TAIIRV167_Hex Lab Sample ID: MB 440-75585/1-A

Matrix: Solid Date Extracted: 12/27/2012 09:26

Instrument ID: IC-16 Date Analyzed: 12/31/2012 13:27

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-523-22/24-XXX	480-30106-21	Info 2_TAIIRV167_Hex Chrom_20130101-201302.d	01/01/2013 20:00
OC-DUP-4	480-30106-22	Info 2_TAIIRV167_Hex Chrom_20130101-202541.d	01/01/2013 20:13

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Irvine
Job No.: 480-30106-1
SDG No.:
Client Sample ID: OC-SB-513-0.0/1.0-XXX
Lab Sample ID: 480-30106-1
Matrix: Solid
Lab File ID: Info 2_TAIIRV167_Hex
Analysis Method: 7199
Date Collected: 12/12/2012 08:20
Extraction Method: 3060A
Date Extracted: 12/27/2012 09:26
Sample wt/vol: 1.25(g)
Date Analyzed: 12/31/2012 13:52
Con. Extract Vol.: 50(mL)
Dilution Factor: 10
Injection Volume: 1(uL)
GC Column: AS7 ID: 4(mm)
% Moisture: 13.1
GPC Cleanup:(Y/N) N
Analysis Batch No.: 76371
Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
18540-29-9	Cr (VI)	ND		0.23	0.17

TestAmerica Irvine
Target Compound Quantitation Report

Data File:	\\Irvchrom\ChromData\IC16\20121231-16916.b\Info 2_TAIIRV167_Hex Chrom_20121231-140508.d		
Lims ID:	480-30106-A-1-E	Client ID:	OC-SB-513-0.0/1.0-XXX
Inject. Date:	31-Dec-2012 13:52:00	Dil. Factor:	10.0000
Sample Type:	Client		
Sample ID:	440-0016916-007		
Misc. Info.:	440-0016916-007		
Operator:	irvinorg	Instrument ID:	IC-16
Injection Vol:	1.0 ul	ALS Bottle#:	0
Lims Batch ID:	76371	Lims Sample ID:	7
Raw Data:	Smoothed		
Detector:	GC Info 2_TAIIRV167_Hex Chrom_20121231-140508		
Method:	\\Irvchrom\ChromData\IC16\20121231-16916.b\218.6_16.m		
Method Label:	HEX CHROME		
Last Update:	31-Dec-2012 14:28:25	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:	XAWRK027		

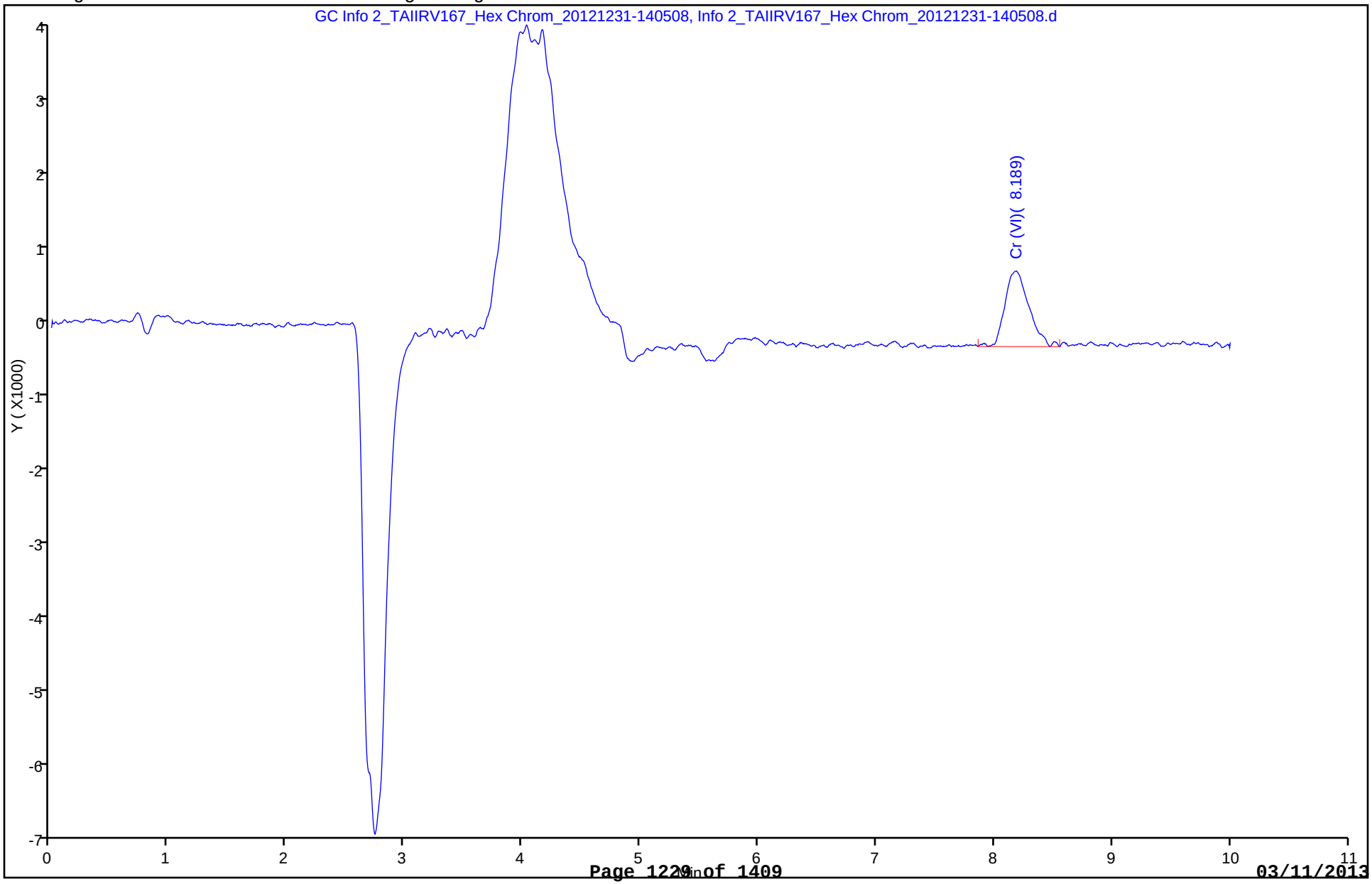
Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
1 Cr (VI)	8.189	8.262	-0.073	13343	0.1626	

Report Date: 31-Dec-2012 14:28:28 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Irvine

Data File:	\\Irvchrom\ChromData\IC16\20121231-16916.b\Info 2_TAIIRV167_Hex Chrom_20121231-140508.d		
Injection Date:	31-Dec-2012 13:52:00	Limit Group:	IC-7199
Client ID:	OC-SB-513-0.0/1.0-XXX	Instrument ID:	IC-16
Lims Batch ID:	76371	Lims Sample ID:	7
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.: 480-30106-1
SDG No.:
Client Sample ID: OC-SB-513-7.0/9.0-XXX
Lab Sample ID: 480-30106-2
Matrix: Solid
Lab File ID: Info 2_TAIIRV167_Hex
Analysis Method: 7199
Date Collected: 12/12/2012 08:25
Extraction Method: 3060A
Date Extracted: 12/27/2012 09:26
Sample wt/vol: 1.26(g)
Date Analyzed: 12/31/2012 14:43
Con. Extract Vol.: 50(mL)
Dilution Factor: 10
Injection Volume: 1(uL)
GC Column: AS7 ID: 4(mm)
% Moisture: 14.7
GPC Cleanup:(Y/N) N
Analysis Batch No.: 76371
Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
18540-29-9	Cr (VI)	1.0		0.23	0.17

TestAmerica Irvine
Target Compound Quantitation Report

Data File:	\\Irvchrom\ChromData\IC16\20121231-16916.b\Info 2_TAIIRV167_Hex Chrom_20121231-145548.d		
Lims ID:	480-30106-A-2-E	Client ID:	OC-SB-513-7.0/9.0-XXX
Inject. Date:	31-Dec-2012 14:43:00	Dil. Factor:	10.0000
Sample Type:	Client		
Sample ID:	440-0016916-011		
Misc. Info.:	440-0016916-011		
Operator:	irvinorg	Instrument ID:	IC-16
Injection Vol:	1.0 ul	ALS Bottle#:	0
Lims Batch ID:	76371	Lims Sample ID:	11
Raw Data:	Smoothed		
Detector:	GC Info 2_TAIIRV167_Hex Chrom_20121231-145548		
Method:	\\Irvchrom\ChromData\IC16\20121231-16916.b\218.6_16.m		
Method Label:	HEX CHROME		
Last Update:	31-Dec-2012 18:24:38	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:	XAWRK004		

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
1 Cr (VI)	8.179	8.262	-0.083	90245	2.20	

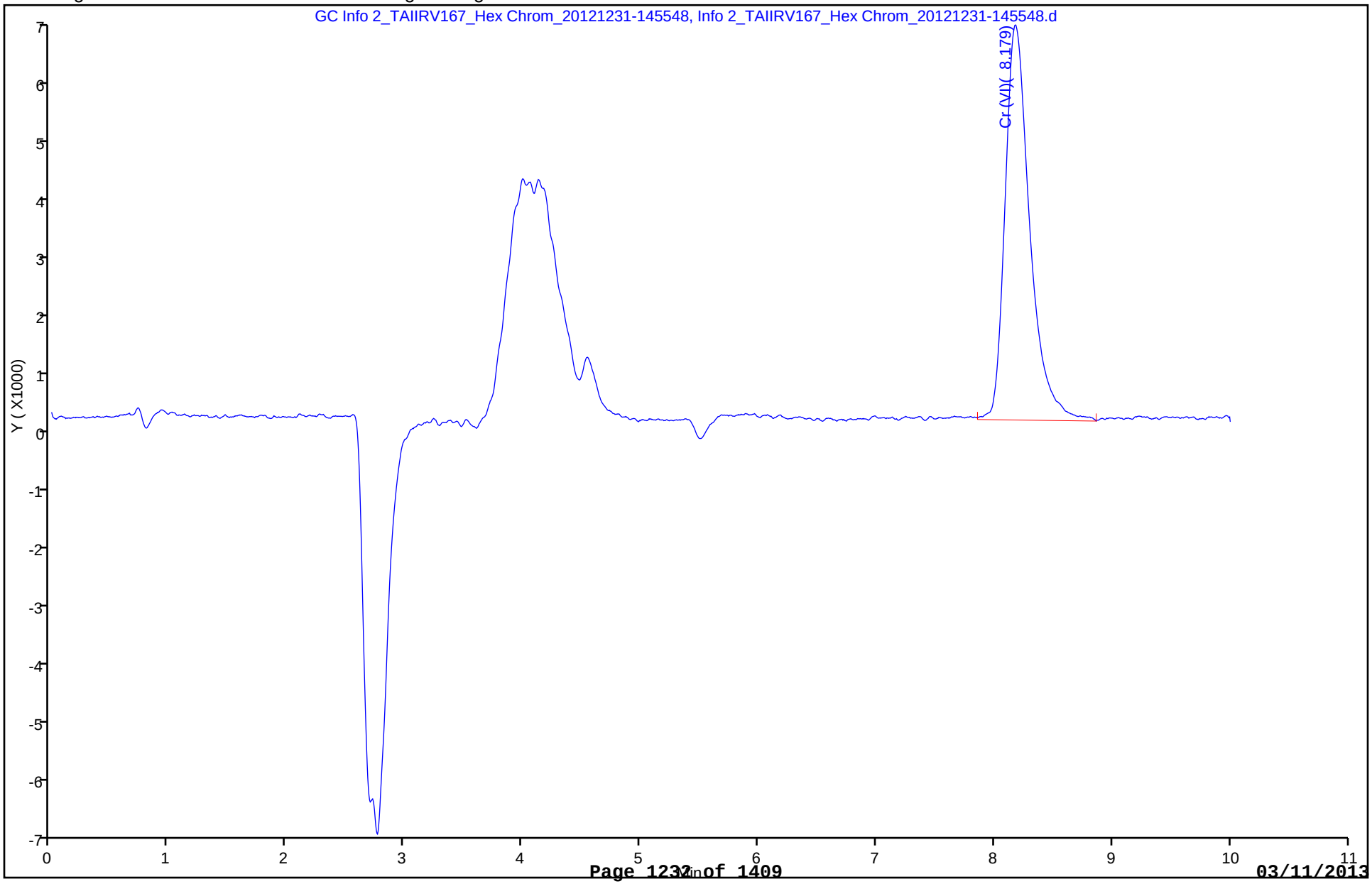
Report Date: 31-Dec-2012 17:49:12 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Irvine

Data File: \\Irvchrom\ChromData\IC16\20121231-16916.b\Info 2_TAIIRV167_Hex Chrom_20121231-145548.d

Injection Date:	31-Dec-2012 14:43:00	Limit Group:	IC-7199
Client ID:	OC-SB-513-7.0/9.0-XXX	Instrument ID:	IC-16
Lims Batch ID:	76371	Lims Sample ID:	11
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.: 480-30106-1
SDG No.:
Client Sample ID: OC-SB-513-10/12-XXX
Lab Sample ID: 480-30106-3
Matrix: Solid
Lab File ID: Info 2_TAIIRV167_Hex
Analysis Method: 7199
Date Collected: 12/12/2012 08:30
Extraction Method: 3060A
Date Extracted: 12/27/2012 09:26
Sample wt/vol: 1.26(g)
Date Analyzed: 12/31/2012 14:55
Con. Extract Vol.: 50(mL)
Dilution Factor: 10
Injection Volume: 1(uL)
GC Column: AS7 ID: 4(mm)
% Moisture: 15.5
GPC Cleanup:(Y/N) N
Analysis Batch No.: 76371
Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
18540-29-9	Cr (VI)	0.47		0.23	0.18

TestAmerica Irvine
Target Compound Quantitation Report

Data File:	\\Irvchrom\ChromData\IC16\20121231-16916.b\Info 2_TAIIRV167_Hex Chrom_20121231-150829.d		
Lims ID:	480-30106-A-3-E	Client ID:	OC-SB-513-10/12-XXX
Inject. Date:	31-Dec-2012 14:55:00	Dil. Factor:	10.0000
Sample Type:	Client		
Sample ID:	440-0016916-012		
Misc. Info.:	440-0016916-012		
Operator:	irvinorg	Instrument ID:	IC-16
Injection Vol:	1.0 ul	ALS Bottle#:	0
Lims Batch ID:	76371	Lims Sample ID:	12
Raw Data:	Smoothed		
Detector:	GC Info 2_TAIIRV167_Hex Chrom_20121231-150829		
Method:	\\Irvchrom\ChromData\IC16\20121231-16916.b\218.6_16.m		
Method Label:	HEX CHROME		
Last Update:	31-Dec-2012 18:24:38	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:	XAWRK004		

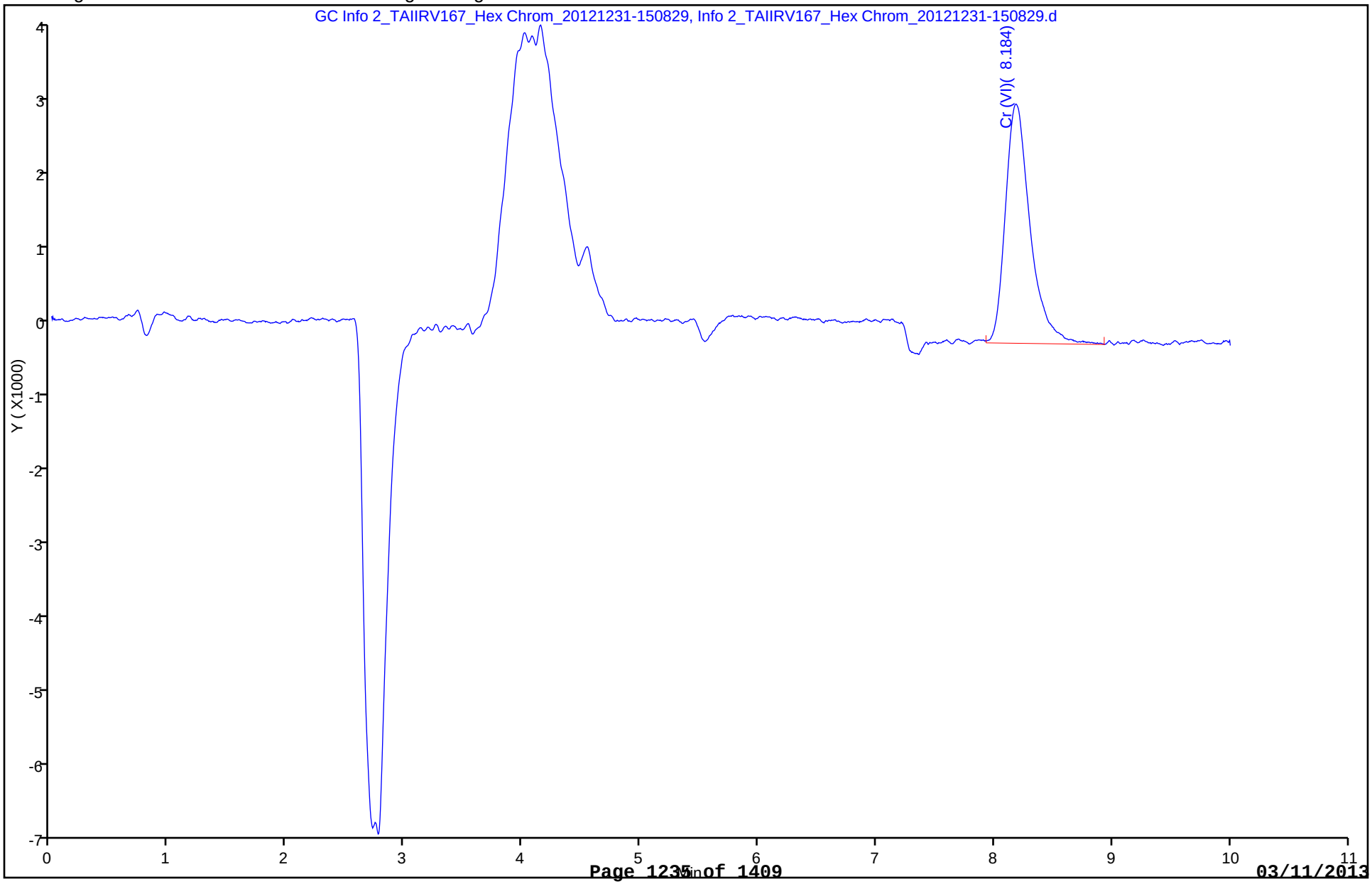
Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
1 Cr (VI)	8.184	8.262	-0.078	44738	0.99	

Report Date: 31-Dec-2012 17:49:13 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Irvine

Data File:	\\Irvchrom\ChromData\IC16\20121231-16916.b\Info 2_TAIIRV167_Hex Chrom_20121231-150829.d		
Injection Date:	31-Dec-2012 14:55:00	Limit Group:	IC-7199
Client ID:	OC-SB-513-10/12-XXX	Instrument ID:	IC-16
Lims Batch ID:	76371	Lims Sample ID:	12
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.: 480-30106-1
SDG No.:
Client Sample ID: OC-SB-514-0.0/1.0-XXX
Lab Sample ID: 480-30106-4
Matrix: Solid
Lab File ID: Info 2_TAIIRV167_Hex
Analysis Method: 7199
Date Collected: 12/12/2012 08:50
Extraction Method: 3060A
Date Extracted: 12/27/2012 09:26
Sample wt/vol: 1.26(g)
Date Analyzed: 12/31/2012 15:08
Con. Extract Vol.: 50(mL)
Dilution Factor: 10
Injection Volume: 1(uL)
GC Column: AS7 ID: 4(mm)
% Moisture: 22.8
GPC Cleanup:(Y/N) N
Analysis Batch No.: 76371
Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
18540-29-9	Cr (VI)	0.54		0.26	0.19

TestAmerica Irvine
Target Compound Quantitation Report

Data File:	\\Irvchrom\ChromData\IC16\20121231-16916.b\Info 2_TAIIRV167_Hex Chrom_20121231-152108.d		
Lims ID:	480-30106-A-4-E	Client ID:	OC-SB-514-0.0/1.0-XXX
Inject. Date:	31-Dec-2012 15:08:00	Dil. Factor:	10.0000
Sample Type:	Client		
Sample ID:	440-0016916-013		
Misc. Info.:	440-0016916-013		
Operator:	irvinorg	Instrument ID:	IC-16
Injection Vol:	1.0 ul	ALS Bottle#:	0
Lims Batch ID:	76371	Lims Sample ID:	13
Raw Data:	Smoothed		
Detector:	GC Info 2_TAIIRV167_Hex Chrom_20121231-152108		
Method:	\\Irvchrom\ChromData\IC16\20121231-16916.b\218.6_16.m		
Method Label:	HEX CHROME		
Last Update:	31-Dec-2012 18:24:38	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:	XAWRK004		

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
1 Cr (VI)	8.189	8.262	-0.073	46633	1.04	

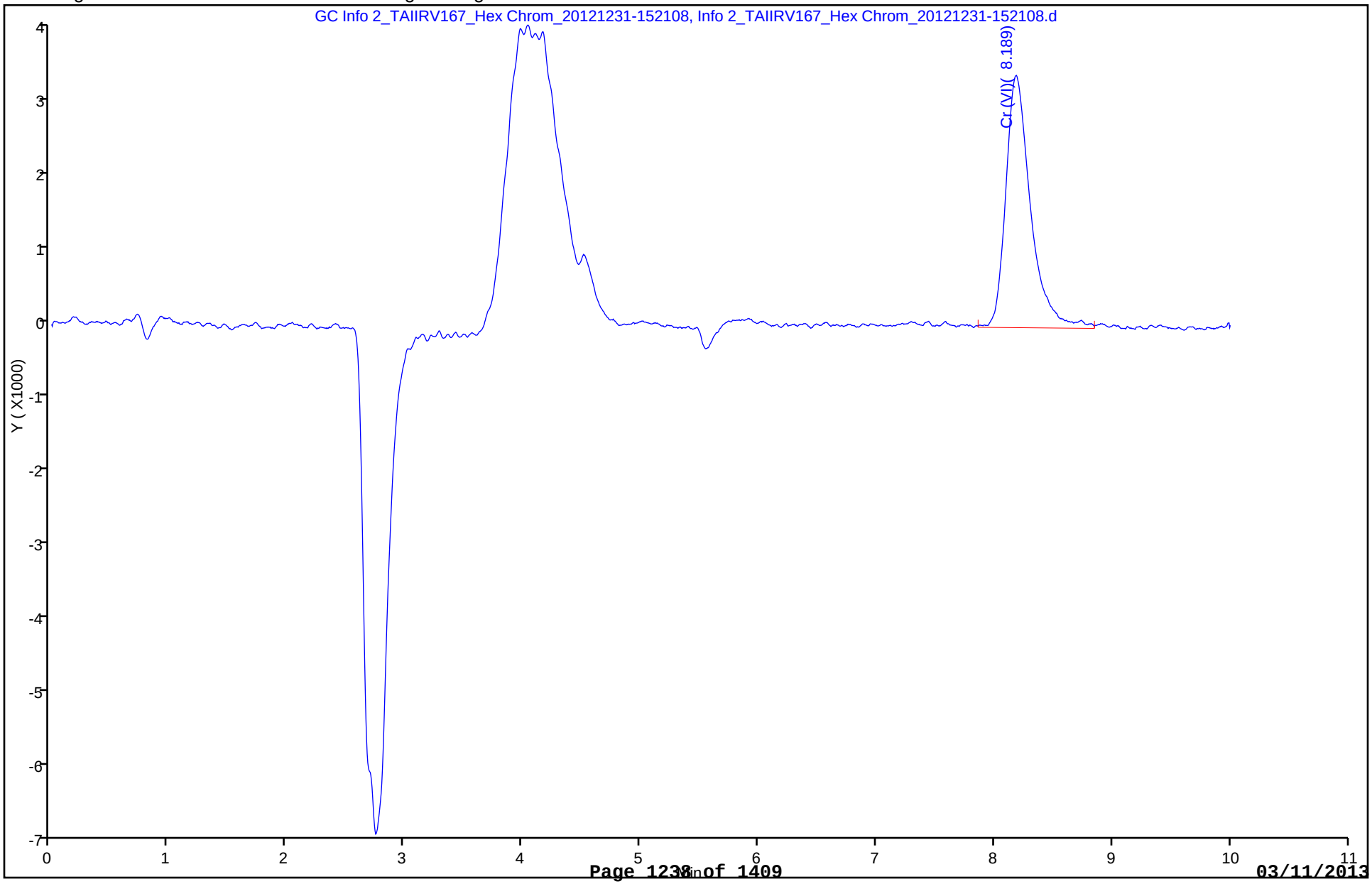
Report Date: 31-Dec-2012 17:49:13 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Irvine

Data File: \\Irvchrom\ChromData\IC16\20121231-16916.b\Info 2_TAIIRV167_Hex Chrom_20121231-152108.d

Injection Date:	31-Dec-2012 15:08:00	Limit Group:	IC-7199
Client ID:	OC-SB-514-0.0/1.0-XXX	Instrument ID:	IC-16
Lims Batch ID:	76371	Lims Sample ID:	13
Operator ID:	irvinorg	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Irvine
Job No.: 480-30106-1
SDG No.:
Client Sample ID: OC-SB-514-7.0/9.0-XXX
Lab Sample ID: 480-30106-5
Matrix: Solid
Lab File ID: Info 2_TAIIRV167_Hex
Analysis Method: 7199
Date Collected: 12/12/2012 09:00
Extraction Method: 3060A
Date Extracted: 12/27/2012 09:26
Sample wt/vol: 1.24(g)
Date Analyzed: 12/31/2012 15:21
Con. Extract Vol.: 50(mL)
Dilution Factor: 10
Injection Volume: 1(uL)
GC Column: AS7 ID: 4(mm)
% Moisture: 21.6
GPC Cleanup:(Y/N) N
Analysis Batch No.: 76371
Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
18540-29-9	Cr (VI)	0.21	J	0.26	0.19

TestAmerica Irvine
Target Compound Quantitation Report

Data File:	\\Irvchrom\ChromData\IC16\20121231-16916.b\Info 2_TAIIRV167_Hex Chrom_20121231-153349.d		
Lims ID:	480-30106-A-5-E	Client ID:	OC-SB-514-7.0/9.0-XXX
Inject. Date:	31-Dec-2012 15:21:00	Dil. Factor:	10.0000
Sample Type:	Client		
Sample ID:	440-0016916-014		
Misc. Info.:	440-0016916-014		
Operator:	irvinorg	Instrument ID:	IC-16
Injection Vol:	1.0 ul	ALS Bottle#:	0
Lims Batch ID:	76371	Lims Sample ID:	14
Raw Data:	Smoothed		
Detector:	GC Info 2_TAIIRV167_Hex Chrom_20121231-153349		
Method:	\\Irvchrom\ChromData\IC16\20121231-16916.b\218.6_16.m		
Method Label:	HEX CHROME		
Last Update:	31-Dec-2012 18:24:38	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:	XAWRK004		

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
1 Cr (VI)	8.184	8.262	-0.078	22330	0.4007	

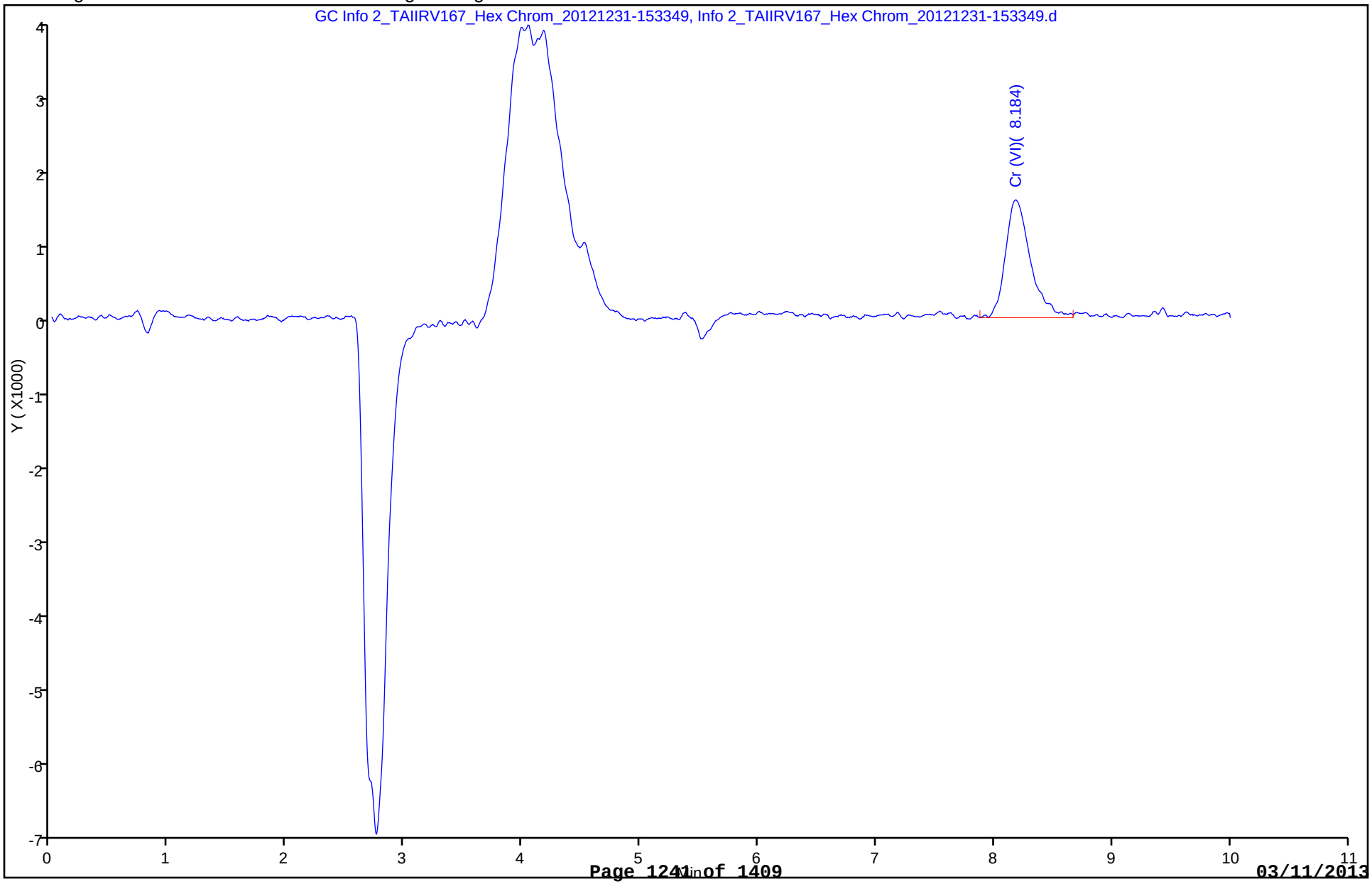
Report Date: 31-Dec-2012 17:49:14 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Irvine

Data File: \\Irvchrom\ChromData\IC16\20121231-16916.b\Info 2_TAIIRV167_Hex Chrom_20121231-153349.d

Injection Date:	31-Dec-2012 15:21:00	Limit Group:	IC-7199
Client ID:	OC-SB-514-7.0/9.0-XXX	Instrument ID:	IC-16
Lims Batch ID:	76371	Lims Sample ID:	14
Operator ID:	irvinorg	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Irvine
Job No.: 480-30106-1
SDG No.:
Client Sample ID: OC-SB-514-15/17-XXX
Lab Sample ID: 480-30106-6
Matrix: Solid
Lab File ID: Info 2_TAIIRV167_Hex
Analysis Method: 7199
Date Collected: 12/12/2012 09:20
Extraction Method: 3060A
Date Extracted: 12/27/2012 09:26
Sample wt/vol: 1.24(g)
Date Analyzed: 01/01/2013 17:03
Con. Extract Vol.: 50(mL)
Dilution Factor: 10
Injection Volume: 1(uL)
GC Column: AS7 ID: 4(mm)
% Moisture: 8.0
GPC Cleanup:(Y/N) N
Analysis Batch No.: 76481
Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
18540-29-9	Cr (VI)	0.88		0.22	0.16

TestAmerica Irvine
Target Compound Quantitation Report

Data File:	\\Irvchrom\ChromData\IC16\20130101-16934.b\Info 2_TAIIRV167_Hex Chrom_20130101-171550.d		
Lims ID:	480-30106-A-6-Q	Client ID:	OC-SB-514-15/17-XXX
Inject. Date:	01-Jan-2013 17:03:00	Dil. Factor:	10.0000
Sample Type:	Client		
Sample ID:	440-0016934-005		
Misc. Info.:	440-0016934-005		
Operator:	irvinorg	Instrument ID:	IC-16
Injection Vol:	1.0 ul	ALS Bottle#:	0
Lims Batch ID:	76481	Lims Sample ID:	5
Raw Data:	Smoothed		
Detector:	GC Info 2_TAIIRV167_Hex Chrom_20130101-171550		
Method:	\\Irvchrom\ChromData\IC16\20130101-16934.b\218.6_16.m		
Method Label:	HEX CHROME		
Last Update:	01-Jan-2013 19:04:49	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:	XAWRK003		

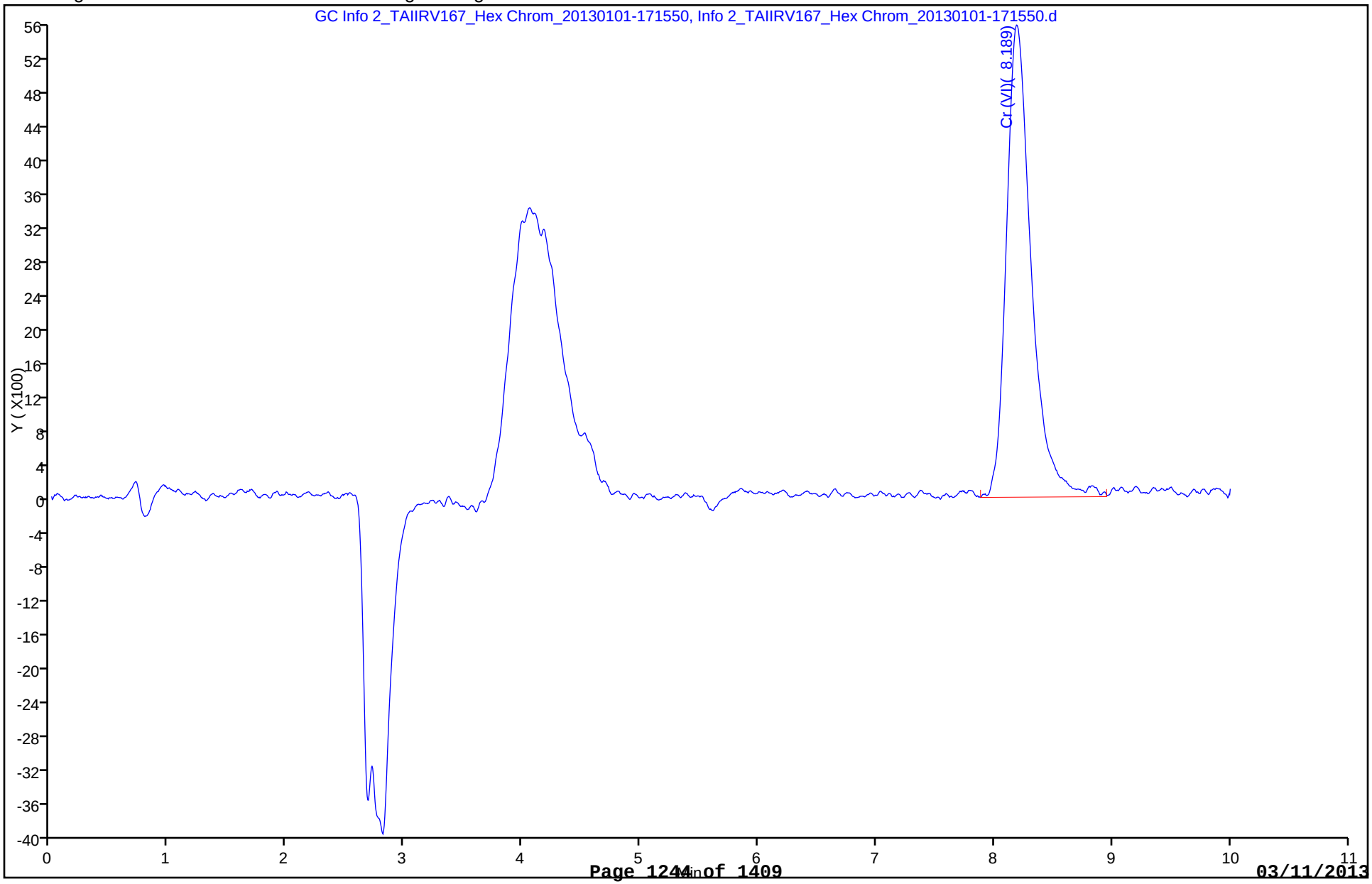
Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
1 Cr (VI)	8.189	8.262	-0.073	82842	2.00	

Report Date: 01-Jan-2013 19:04:53 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Irvine

Data File:	\\Irvchrom\ChromData\IC16\20130101-16934.b\Info 2_TAIIRV167_Hex Chrom_20130101-171550.d		
Injection Date:	01-Jan-2013 17:03:00	Limit Group:	IC-7199
Client ID:	OC-SB-514-15/17-XXX	Instrument ID:	IC-16
Lims Batch ID:	76481	Lims Sample ID:	5
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.: 480-30106-1
SDG No.:
Client Sample ID: OC-SB-517-0.0/1.0-XXX
Lab Sample ID: 480-30106-13
Matrix: Solid
Lab File ID: Info 2_TAIIRV167_Hex
Analysis Method: 7199
Date Collected: 12/12/2012 12:15
Extraction Method: 3060A
Date Extracted: 12/27/2012 09:26
Sample wt/vol: 1.25(g)
Date Analyzed: 01/01/2013 17:53
Con. Extract Vol.: 50(mL)
Dilution Factor: 10
Injection Volume: 1(uL)
GC Column: AS7 ID: 4(mm)
% Moisture: 9.0
GPC Cleanup:(Y/N) N
Analysis Batch No.: 76481
Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
18540-29-9	Cr (VI)	1.2		0.22	0.16

TestAmerica Irvine
Target Compound Quantitation Report

Data File:	\\Irvchrom\ChromData\IC16\20130101-16934.b\Info 2_TAIIRV167_Hex Chrom_20130101-180628.d		
Lims ID:	480-30106-A-13-E	Client ID:	OC-SB-517-0.0/1.0-XXX
Inject. Date:	01-Jan-2013 17:53:00	Dil. Factor:	10.0000
Sample Type:	Client		
Sample ID:	440-0016934-009		
Misc. Info.:	440-0016934-009		
Operator:	irvinorg	Instrument ID:	IC-16
Injection Vol:	1.0 ul	ALS Bottle#:	0
Lims Batch ID:	76481	Lims Sample ID:	9
Raw Data:	Smoothed		
Detector:	GC Info 2_TAIIRV167_Hex Chrom_20130101-180628		
Method:	\\Irvchrom\ChromData\IC16\20130101-16934.b\218.6_16.m		
Method Label:	HEX CHROME		
Last Update:	01-Jan-2013 19:04:49	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:	XAWRK003		

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
1 Cr (VI)	8.205	8.262	-0.057	106001	2.62	

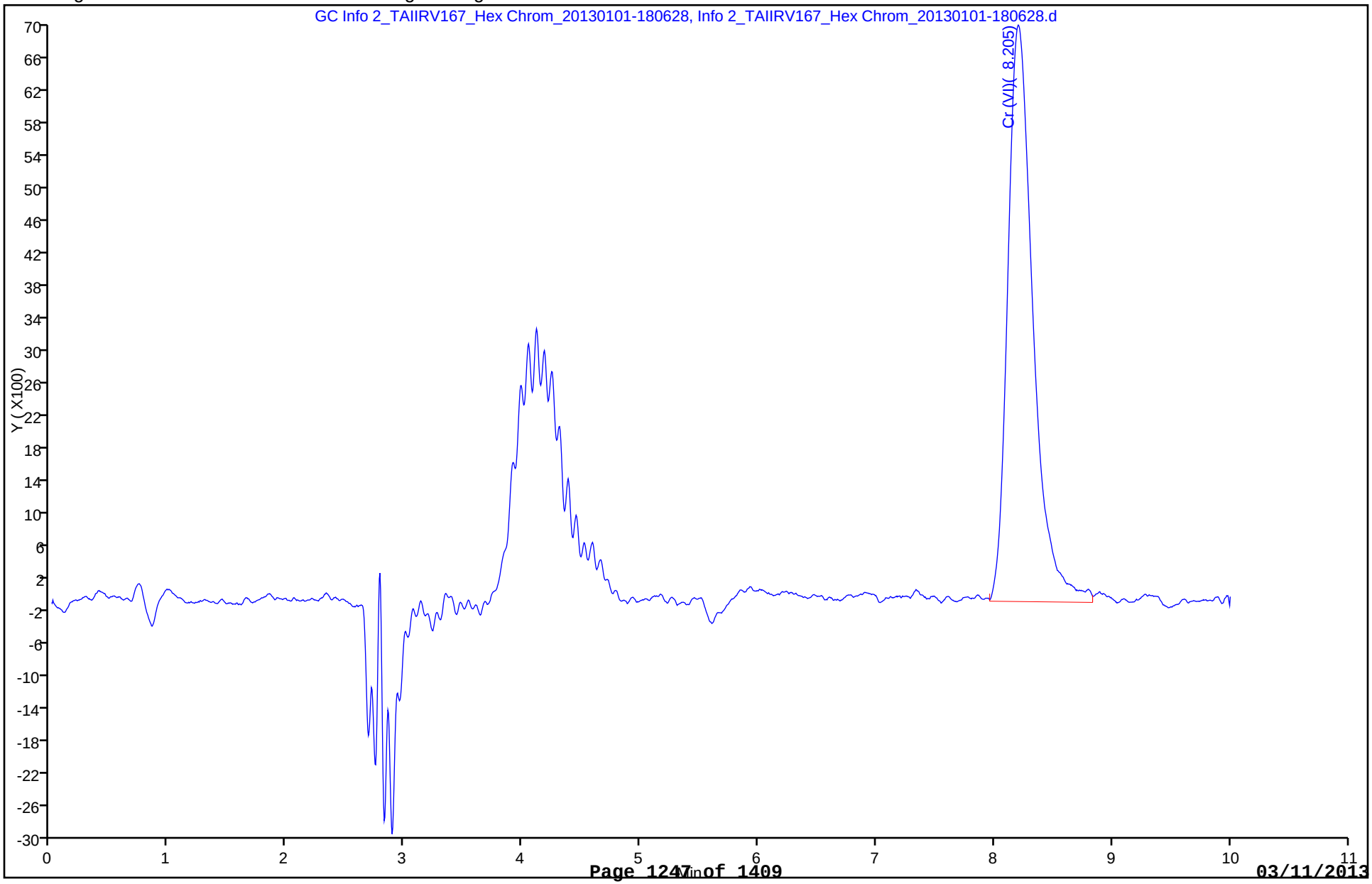
Report Date: 01-Jan-2013 19:04:55 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Irvine

Data File: \\Irvchrom\ChromData\IC16\20130101-16934.b\Info 2_TAIIRV167_Hex Chrom_20130101-180628.d

Injection Date:	01-Jan-2013 17:53:00	Limit Group:	IC-7199
Client ID:	OC-SB-517-0.0/1.0-XXX	Instrument ID:	IC-16
Lims Batch ID:	76481	Lims Sample ID:	9
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.: 480-30106-1
SDG No.:
Client Sample ID: OC-SB-517-6.0/8.0-XXX
Lab Sample ID: 480-30106-14
Matrix: Solid
Lab File ID: Info 2_TAIIRV167_Hex
Analysis Method: 7199
Date Collected: 12/12/2012 12:20
Extraction Method: 3060A
Date Extracted: 12/27/2012 09:26
Sample wt/vol: 1.25(g)
Date Analyzed: 01/01/2013 18:06
Con. Extract Vol.: 50(mL)
Dilution Factor: 10
Injection Volume: 1(uL)
GC Column: AS7 ID: 4(mm)
% Moisture: 9.9
GPC Cleanup:(Y/N) N
Analysis Batch No.: 76481
Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
18540-29-9	Cr (VI)	0.32		0.22	0.17

TestAmerica Irvine
Target Compound Quantitation Report

Data File:	\\Irvchrom\ChromData\IC16\20130101-16934.b\Info 2_TAIIRV167_Hex Chrom_20130101-181907.d		
Lims ID:	480-30106-A-14-E	Client ID:	OC-SB-517-6.0/8.0-XXX
Inject. Date:	01-Jan-2013 18:06:00	Dil. Factor:	10.0000
Sample Type:	Client		
Sample ID:	440-0016934-010		
Misc. Info.:	440-0016934-010		
Operator:	irvinorg	Instrument ID:	IC-16
Injection Vol:	1.0 ul	ALS Bottle#:	0
Lims Batch ID:	76481	Lims Sample ID:	10
Raw Data:	Smoothed		
Detector:	GC Info 2_TAIIRV167_Hex Chrom_20130101-181907		
Method:	\\Irvchrom\ChromData\IC16\20130101-16934.b\218.6_16.m		
Method Label:	HEX CHROME		
Last Update:	01-Jan-2013 19:04:49	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:	XAWRK003		

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
1 Cr (VI)	8.184	8.262	-0.078	34077	0.7119	

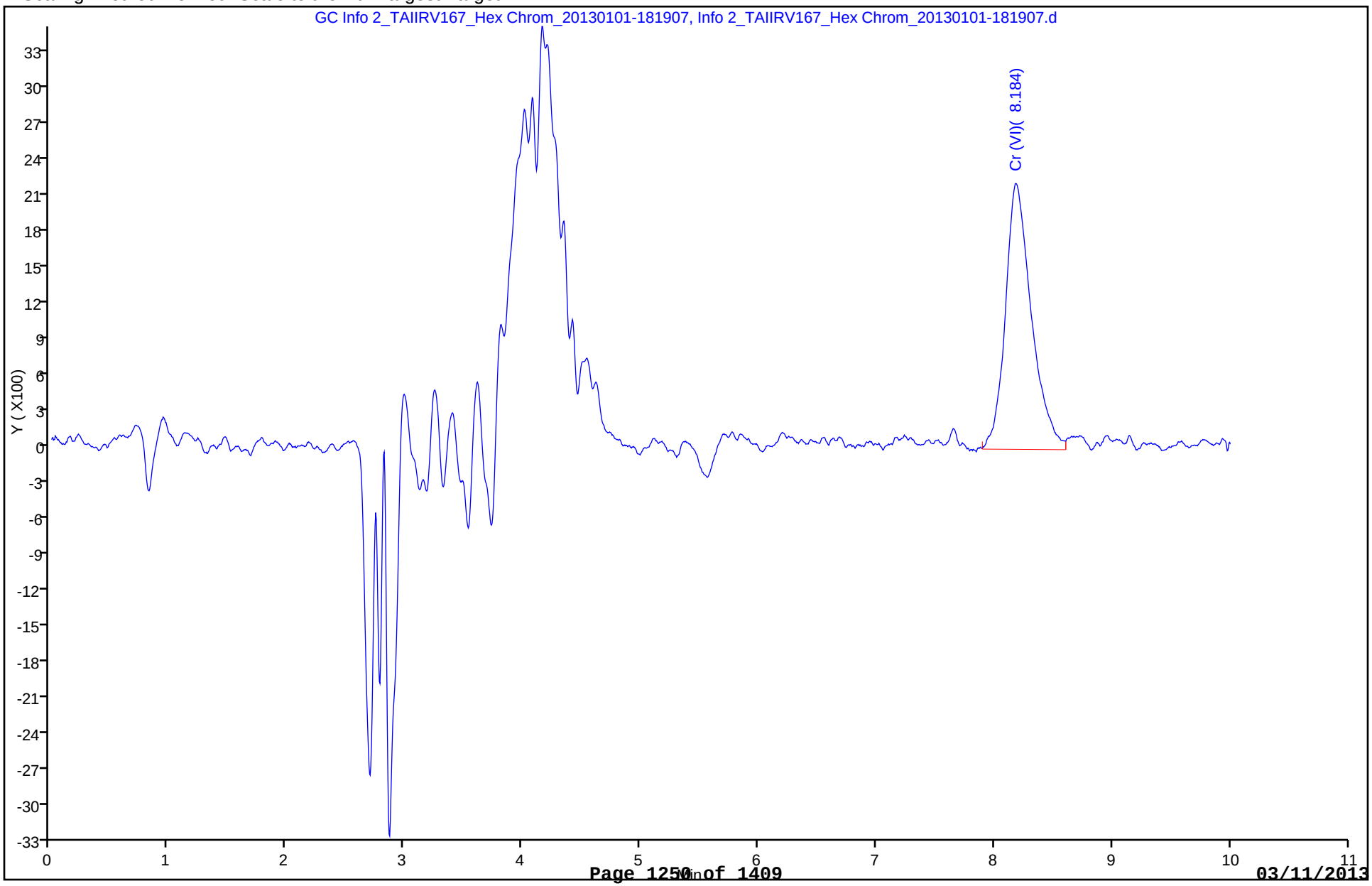
Report Date: 01-Jan-2013 19:04:55 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Irvine

Data File: \\Irvchrom\ChromData\IC16\20130101-16934.b\Info 2_TAIIRV167_Hex Chrom_20130101-181907.d

Injection Date:	01-Jan-2013 18:06:00	Limit Group:	IC-7199
Client ID:	OC-SB-517-6.0/8.0-XXX	Instrument ID:	IC-16
Lims Batch ID:	76481	Lims Sample ID:	10
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.: 480-30106-1
SDG No.:
Client Sample ID: OC-SB-517-18/20-XXX
Lab Sample ID: 480-30106-15
Matrix: Solid
Lab File ID: Info 2_TAIIRV167_Hex
Analysis Method: 7199
Date Collected: 12/12/2012 12:40
Extraction Method: 3060A
Date Extracted: 12/27/2012 09:26
Sample wt/vol: 1.24(g)
Date Analyzed: 01/01/2013 18:19
Con. Extract Vol.: 50(mL)
Dilution Factor: 10
Injection Volume: 1(uL)
GC Column: AS7 ID: 4(mm)
% Moisture: 21.9
GPC Cleanup:(Y/N) N
Analysis Batch No.: 76481
Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
18540-29-9	Cr (VI)	8.0		0.26	0.19

TestAmerica Irvine
Target Compound Quantitation Report

Data File:	\\Irvchrom\ChromData\IC16\20130101-16934.b\Info 2_TAIIRV167_Hex Chrom_20130101-183147.d		
Lims ID:	480-30106-A-15-E	Client ID:	OC-SB-517-18/20-XXX
Inject. Date:	01-Jan-2013 18:19:00	Dil. Factor:	10.0000
Sample Type:	Client		
Sample ID:	440-0016934-011		
Misc. Info.:	440-0016934-011		
Operator:	irvinorg	Instrument ID:	IC-16
Injection Vol:	1.0 ul	ALS Bottle#:	0
Lims Batch ID:	76481	Lims Sample ID:	11
Raw Data:	Smoothed		
Detector:	GC Info 2_TAIIRV167_Hex Chrom_20130101-183147		
Method:	\\Irvchrom\ChromData\IC16\20130101-16934.b\218.6_16.m		
Method Label:	HEX CHROME		
Last Update:	01-Jan-2013 19:04:49	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:	XAWRK003		

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
1 Cr (VI)	8.200	8.262	-0.062	588809	15.4	

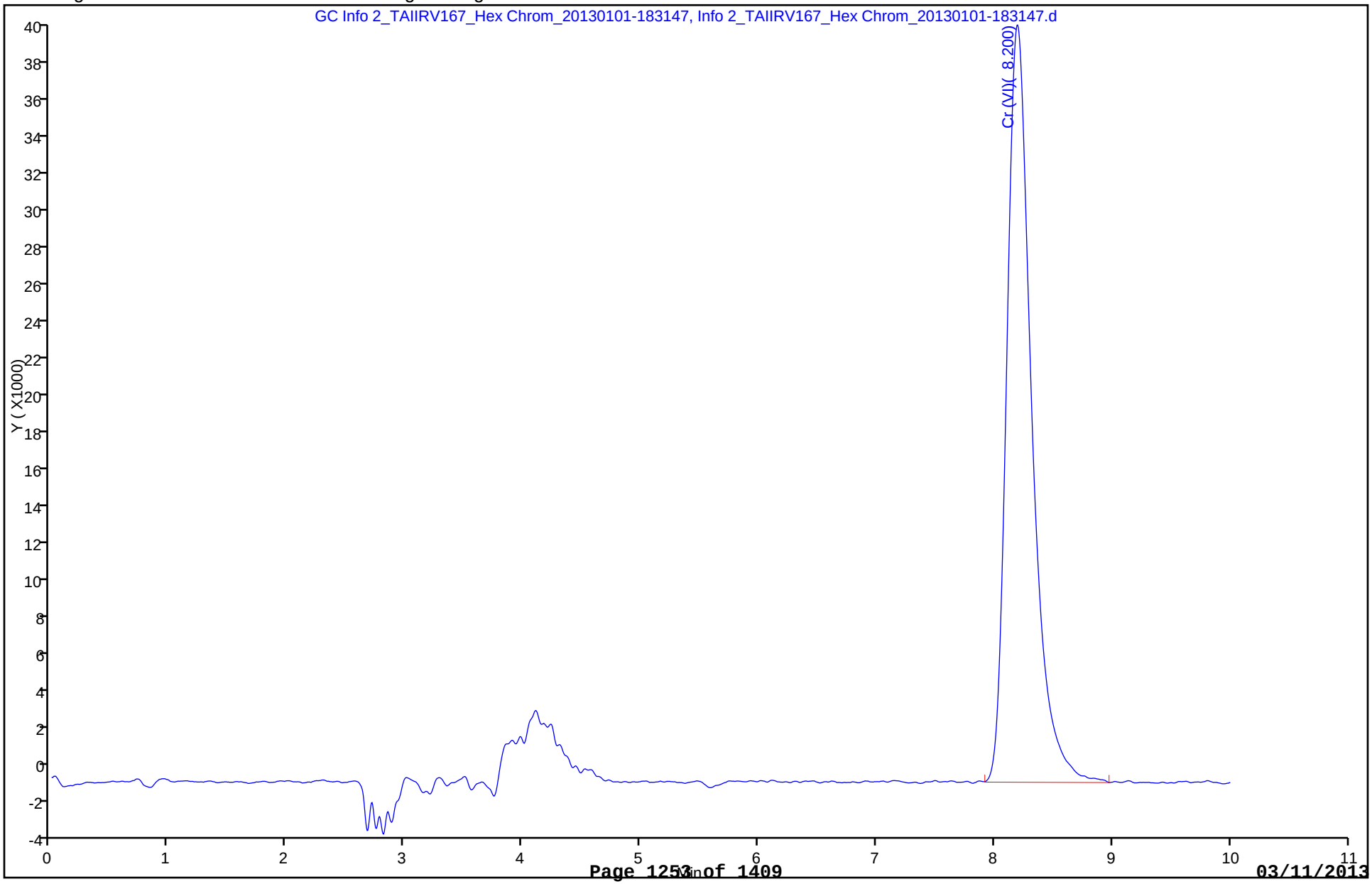
Report Date: 01-Jan-2013 19:04:55 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Irvine

Data File: \\Irvchrom\ChromData\IC16\20130101-16934.b\Info 2_TAIIRV167_Hex Chrom_20130101-183147.d

Injection Date:	01-Jan-2013 18:19:00	Limit Group:	IC-7199
Client ID:	OC-SB-517-18/20-XXX	Instrument ID:	IC-16
Lims Batch ID:	76481	Lims Sample ID:	11
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.: 480-30106-1
SDG No.:
Client Sample ID: OC-SB-524-0.0/1.0-XXX
Lab Sample ID: 480-30106-16
Matrix: Solid
Lab File ID: Info 2_TAIIRV167_Hex
Analysis Method: 7199
Date Collected: 12/12/2012 13:10
Extraction Method: 3060A
Date Extracted: 12/27/2012 09:26
Sample wt/vol: 1.24(g)
Date Analyzed: 01/01/2013 18:31
Con. Extract Vol.: 50(mL)
Dilution Factor: 10
Injection Volume: 1(uL)
GC Column: AS7 ID: 4(mm)
% Moisture: 16.7
GPC Cleanup:(Y/N) N
Analysis Batch No.: 76481
Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
18540-29-9	Cr (VI)	0.31		0.24	0.18

TestAmerica Irvine
Target Compound Quantitation Report

Data File:	\\Irvchrom\ChromData\IC16\20130101-16934.b\Info 2_TAIIRV167_Hex Chrom_20130101-184426.d		
Lims ID:	480-30106-A-16-E	Client ID:	OC-SB-524-0.0/1.0-XXX
Inject. Date:	01-Jan-2013 18:31:00	Dil. Factor:	10.0000
Sample Type:	Client		
Sample ID:	440-0016934-012		
Misc. Info.:	440-0016934-012		
Operator:	irvinorg	Instrument ID:	IC-16
Injection Vol:	1.0 ul	ALS Bottle#:	0
Lims Batch ID:	76481	Lims Sample ID:	12
Raw Data:	Smoothed		
Detector:	GC Info 2_TAIIRV167_Hex Chrom_20130101-184426		
Method:	\\Irvchrom\ChromData\IC16\20130101-16934.b\218.6_16.m		
Method Label:	HEX CHROME		
Last Update:	01-Jan-2013 19:04:49	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:	XAWRK003		

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
1 Cr (VI)	8.179	8.262	-0.083	31587	0.6459	

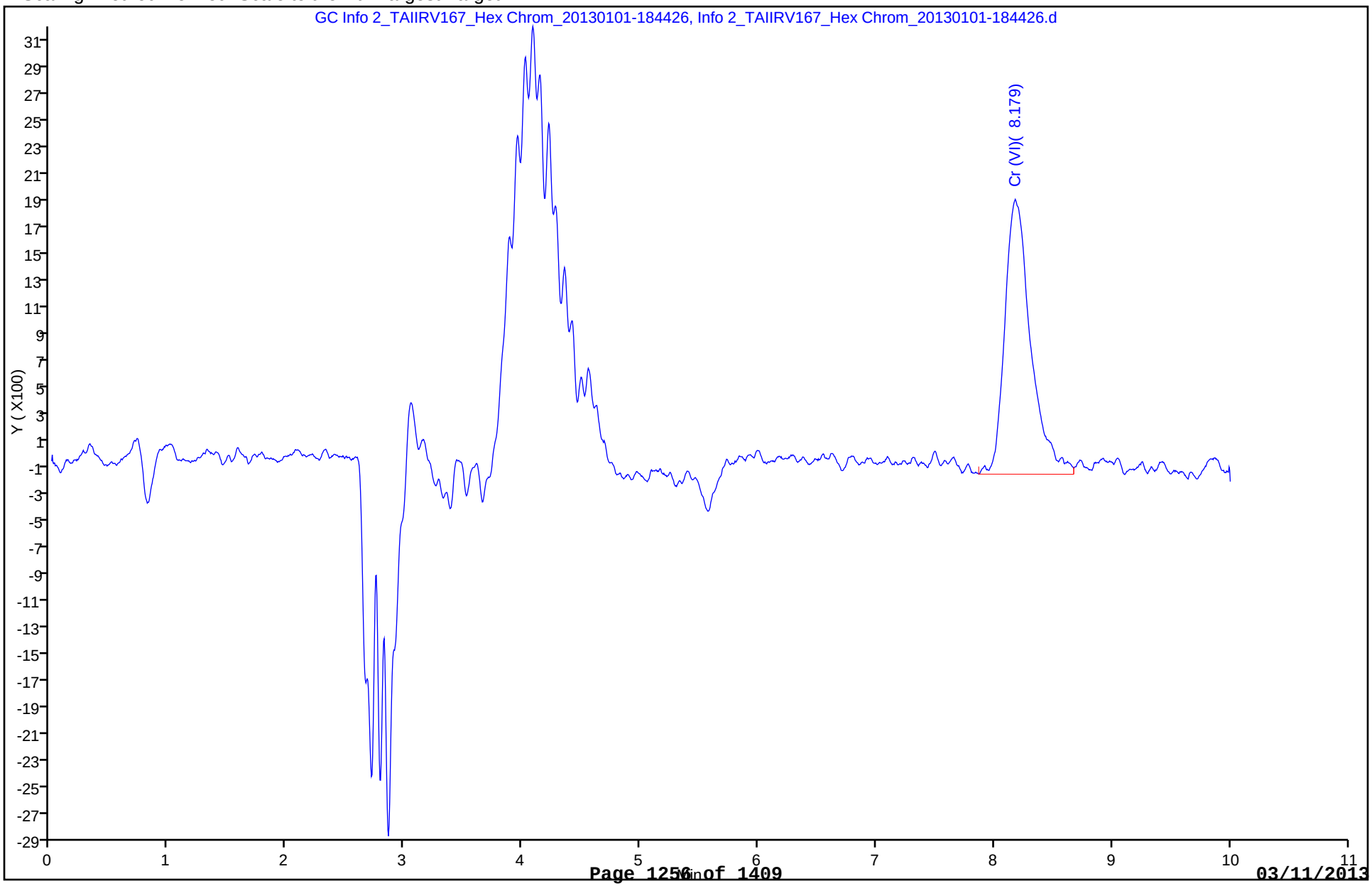
Report Date: 01-Jan-2013 19:04:56 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Irvine

Data File: \\Irvchrom\ChromData\IC16\20130101-16934.b\Info 2_TAIIRV167_Hex Chrom_20130101-184426.d

Injection Date:	01-Jan-2013 18:31:00	Limit Group:	IC-7199
Client ID:	OC-SB-524-0.0/1.0-XXX	Instrument ID:	IC-16
Lims Batch ID:	76481	Lims Sample ID:	12
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.: 480-30106-1
SDG No.:
Client Sample ID: OC-SB-524-8.0/10-XXX
Lab Sample ID: 480-30106-17
Matrix: Solid
Lab File ID: Info 2_TAIIRV167_Hex
Analysis Method: 7199
Date Collected: 12/12/2012 13:20
Extraction Method: 3060A
Date Extracted: 12/27/2012 09:26
Sample wt/vol: 1.24(g)
Date Analyzed: 01/01/2013 18:44
Con. Extract Vol.: 50(mL)
Dilution Factor: 10
Injection Volume: 1(uL)
GC Column: AS7 ID: 4(mm)
% Moisture: 16.6
GPC Cleanup:(Y/N) N
Analysis Batch No.: 76481
Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
18540-29-9	Cr (VI)	0.34		0.24	0.18

TestAmerica Irvine
Target Compound Quantitation Report

Data File:	\\Irvchrom\ChromData\IC16\20130101-16934.b\Info 2_TAIIRV167_Hex Chrom_20130101-185705.d		
Lims ID:	480-30106-A-17-E	Client ID:	OC-SB-524-8.0/10-XXX
Inject. Date:	01-Jan-2013 18:44:00	Dil. Factor:	10.0000
Sample Type:	Client		
Sample ID:	440-0016934-013		
Misc. Info.:	440-0016934-013		
Operator:	irvinorg	Instrument ID:	IC-16
Injection Vol:	1.0 ul	ALS Bottle#:	0
Lims Batch ID:	76481	Lims Sample ID:	13
Raw Data:	Smoothed		
Detector:	GC Info 2_TAIIRV167_Hex Chrom_20130101-185705		
Method:	\\Irvchrom\ChromData\IC16\20130101-16934.b\218.6_16.m		
Method Label:	HEX CHROME		
Last Update:	01-Jan-2013 19:04:49	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:	XAWRK003		

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
1 Cr (VI)	8.194	8.262	-0.068	33901	0.7072	

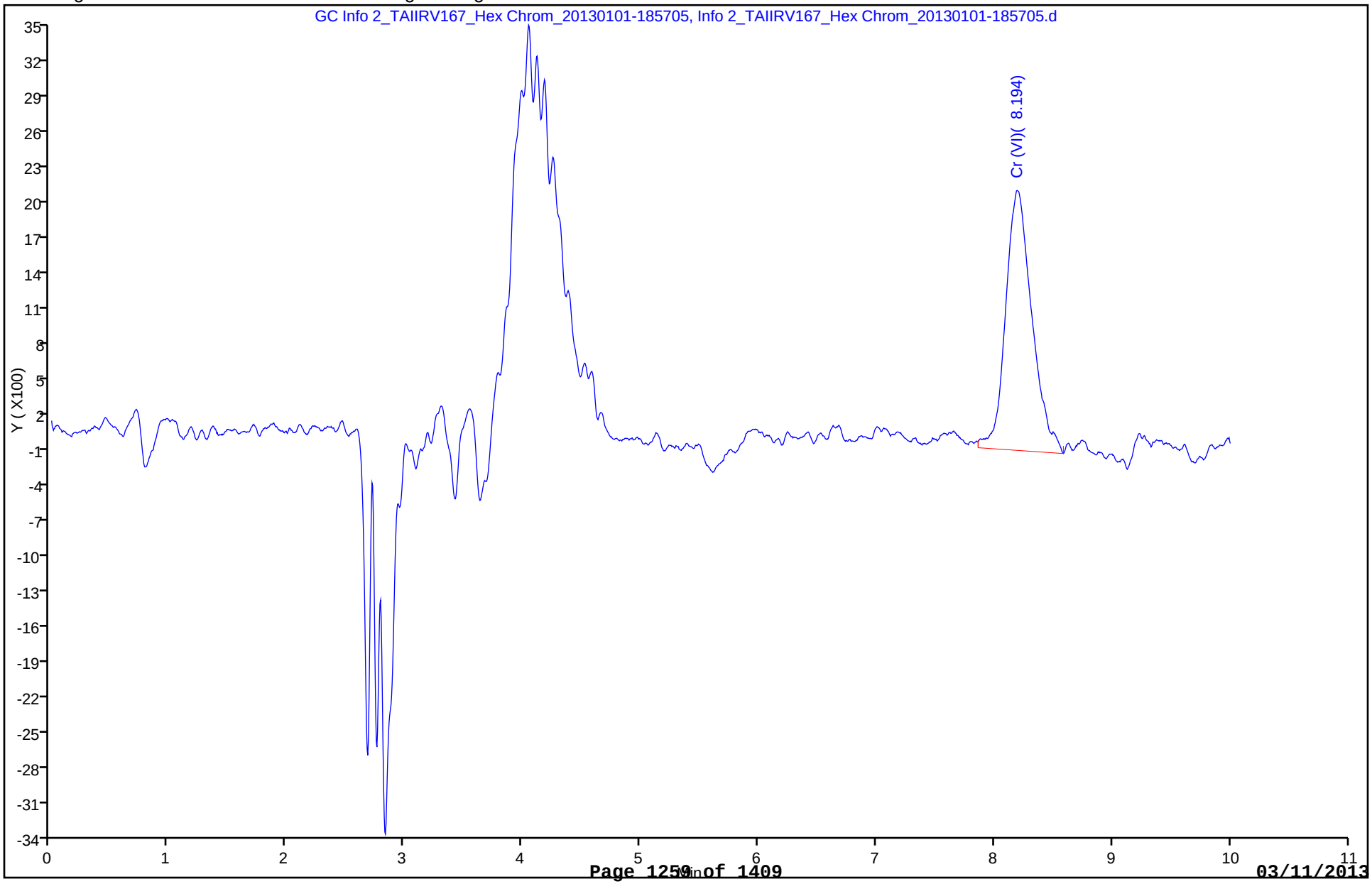
Report Date: 01-Jan-2013 19:04:56 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Irvine

Data File: \\Irvchrom\ChromData\IC16\20130101-16934.b\Info 2_TAIIRV167_Hex Chrom_20130101-185705.d

Injection Date:	01-Jan-2013 18:44:00	Limit Group:	IC-7199
Client ID:	OC-SB-524-8.0/10-XXX	Instrument ID:	IC-16
Lims Batch ID:	76481	Lims Sample ID:	13
Operator ID:	irvinorg	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Irvine
Job No.: 480-30106-1
SDG No.:
Client Sample ID: OC-SB-524-27/29-XXX
Lab Sample ID: 480-30106-18
Matrix: Solid
Lab File ID: Info 2_TAIIRV167_Hex
Analysis Method: 7199
Date Collected: 12/12/2012 13:30
Extraction Method: 3060A
Date Extracted: 12/27/2012 09:26
Sample wt/vol: 1.26(g)
Date Analyzed: 01/01/2013 18:57
Con. Extract Vol.: 50(mL)
Dilution Factor: 10
Injection Volume: 1(uL)
GC Column: AS7 ID: 4(mm)
% Moisture: 21.6
GPC Cleanup:(Y/N) N
Analysis Batch No.: 76481
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\20130101-16934.b\Info 2_TAIIRV167_Hex Chrom_20130101-190945.d		
Lims ID:	480-30106-A-18-E	Client ID:	OC-SB-524-27/29-XXX
Inject. Date:	01-Jan-2013 18:57:00	Dil. Factor:	10.0000
Sample Type:	Client		
Sample ID:	440-0016934-014		
Misc. Info.:	440-0016934-014		
Operator:	irvinorg	Instrument ID:	IC-16
Injection Vol:	1.0 ul	ALS Bottle#:	0
Lims Batch ID:	76481	Lims Sample ID:	14
Raw Data:	Smoothed		
Detector:	GC Info 2_TAIIRV167_Hex Chrom_20130101-190945		
Method:	\\Irvchrom\ChromData\IC16\20130101-16934.b\218.6_16.m		
Method Label:	HEX CHROME		
Last Update:	01-Jan-2013 19:12:31	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:	XAWRK003		

First Level Reviewer: welchr Date: 01-Jan-2013 19:13:03

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
1 Cr (VI)	8.153	8.262	-0.109	17852	0.2821	

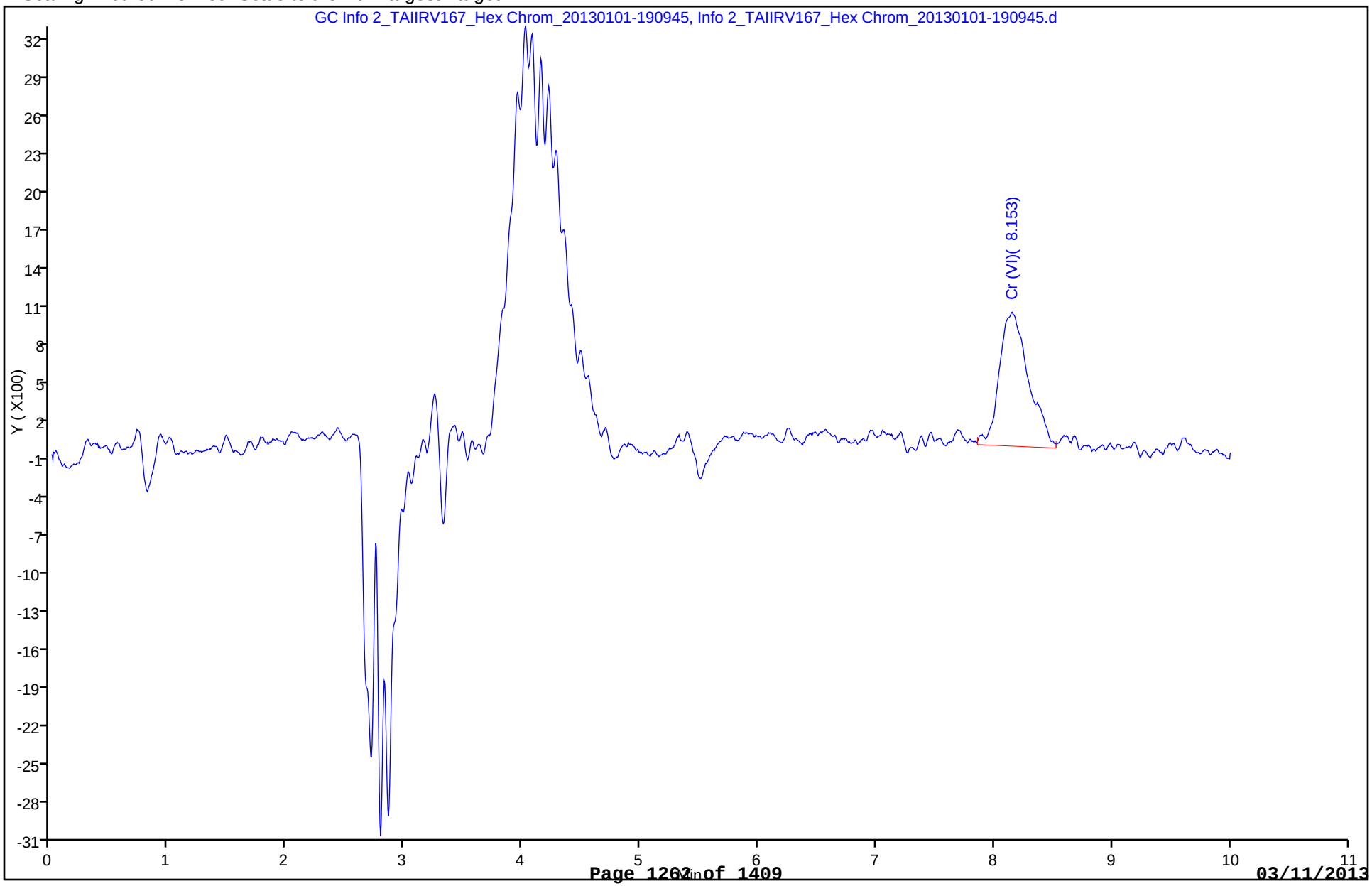
Report Date: 01-Jan-2013 19:13:03 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Irvine

Data File: \\Irvchrom\ChromData\IC16\20130101-16934.b\Info 2_TAIIRV167_Hex Chrom_20130101-190945.d

Injection Date:	01-Jan-2013 18:57:00	Limit Group:	IC-7199
Client ID:	OC-SB-524-27/29-XXX	Instrument ID:	IC-16
Lims Batch ID:	76481	Lims Sample ID:	14
Operator ID:	irvinorg	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Irvine
Job No.: 480-30106-1
SDG No.:
Client Sample ID: OC-SB-523-0.0/1.0-XXX
Lab Sample ID: 480-30106-19
Matrix: Solid
Lab File ID: Info 2_TAIIRV167_Hex
Analysis Method: 7199
Date Collected: 12/12/2012 13:45
Extraction Method: 3060A
Date Extracted: 12/27/2012 09:26
Sample wt/vol: 1.24(g)
Date Analyzed: 01/01/2013 19:35
Con. Extract Vol.: 50(mL)
Dilution Factor: 10
Injection Volume: 1(uL)
GC Column: AS7 ID: 4(mm)
% Moisture: 16.0
GPC Cleanup:(Y/N) N
Analysis Batch No.: 76481
Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
18540-29-9	Cr (VI)	0.39		0.24	0.18

TestAmerica Irvine
Target Compound Quantitation Report

Data File:	\\Irvchrom\ChromData\IC16\20130101-16934.b\Info 2_TAIIRV167_Hex Chrom_20130101-194743.d		
Lims ID:	480-30106-A-19-E	Client ID:	OC-SB-523-0.0/1.0-XXX
Inject. Date:	01-Jan-2013 19:35:00	Dil. Factor:	10.0000
Sample Type:	Client		
Sample ID:	440-0016934-017		
Misc. Info.:	440-0016934-017		
Operator:	irvinorg	Instrument ID:	IC-16
Injection Vol:	1.0 ul	ALS Bottle#:	0
Lims Batch ID:	76481	Lims Sample ID:	17
Raw Data:	Smoothed		
Detector:	GC Info 2_TAIIRV167_Hex Chrom_20130101-194743		
Method:	\\Irvchrom\ChromData\IC16\20130101-16934.b\218.6_16.m		
Method Label:	HEX CHROME		
Last Update:	02-Jan-2013 06:05:47	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:	XAWRK016		

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
1 Cr (VI)	8.143	8.262	-0.119	38222	0.8217	

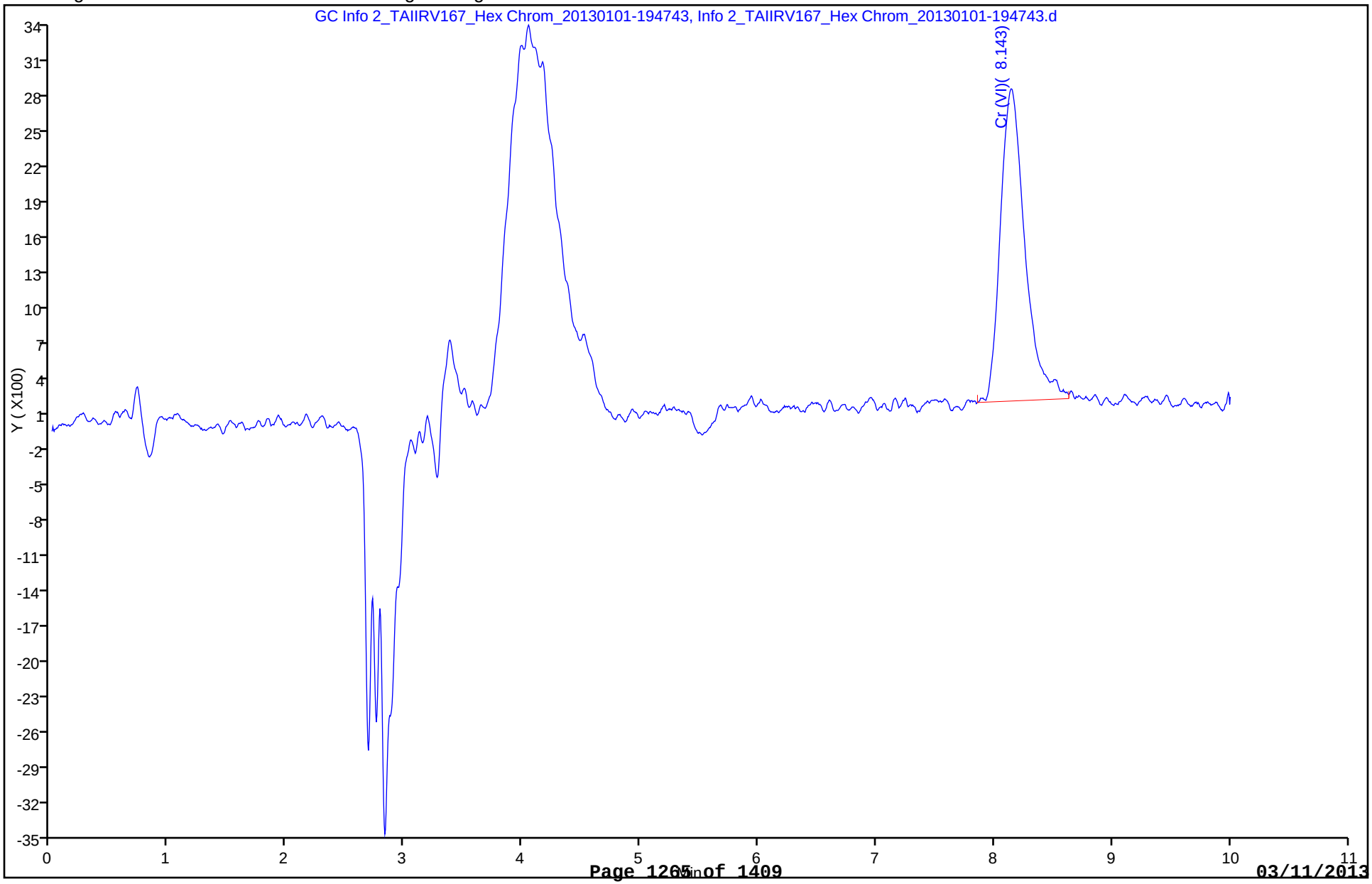
Report Date: 02-Jan-2013 06:05:50 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Irvine

Data File: \\Irvchrom\ChromData\IC16\20130101-16934.b\Info 2_TAIIRV167_Hex Chrom_20130101-194743.d

Injection Date:	01-Jan-2013 19:35:00	Limit Group:	IC-7199
Client ID:	OC-SB-523-0.0/1.0-XXX	Instrument ID:	IC-16
Lims Batch ID:	76481	Lims Sample ID:	17
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.: 480-30106-1
SDG No.:
Client Sample ID: OC-SB-523-6.0/8.0-XXX
Lab Sample ID: 480-30106-20
Matrix: Solid
Lab File ID: Info 2_TAIIRV167_Hex
Analysis Method: 7199
Date Collected: 12/12/2012 13:50
Extraction Method: 3060A
Date Extracted: 12/27/2012 09:26
Sample wt/vol: 1.25(g)
Date Analyzed: 01/01/2013 19:47
Con. Extract Vol.: 50(mL)
Dilution Factor: 10
Injection Volume: 1(uL)
GC Column: AS7 ID: 4(mm)
% Moisture: 11.1
GPC Cleanup:(Y/N) N
Analysis Batch No.: 76481
Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
18540-29-9	Cr (VI)	0.17	J	0.23	0.17

TestAmerica Irvine
Target Compound Quantitation Report

Data File:	\\Irvchrom\ChromData\IC16\20130101-16934.b\Info 2_TAIIRV167_Hex Chrom_20130101-200022.d		
Lims ID:	480-30106-A-20-E	Client ID:	OC-SB-523-6.0/8.0-XXX
Inject. Date:	01-Jan-2013 19:47:00	Dil. Factor:	10.0000
Sample Type:	Client		
Sample ID:	440-0016934-018		
Misc. Info.:	440-0016934-018		
Operator:	irvinorg	Instrument ID:	IC-16
Injection Vol:	1.0 ul	ALS Bottle#:	0
Lims Batch ID:	76481	Lims Sample ID:	18
Raw Data:	Smoothed		
Detector:	GC Info 2_TAIIRV167_Hex Chrom_20130101-200022		
Method:	\\Irvchrom\ChromData\IC16\20130101-16934.b\218.6_16.m		
Method Label:	HEX CHROME		
Last Update:	02-Jan-2013 06:05:47	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:	XAWRK016		

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
1 Cr (VI)	8.148	8.262	-0.114	21608	0.3816	

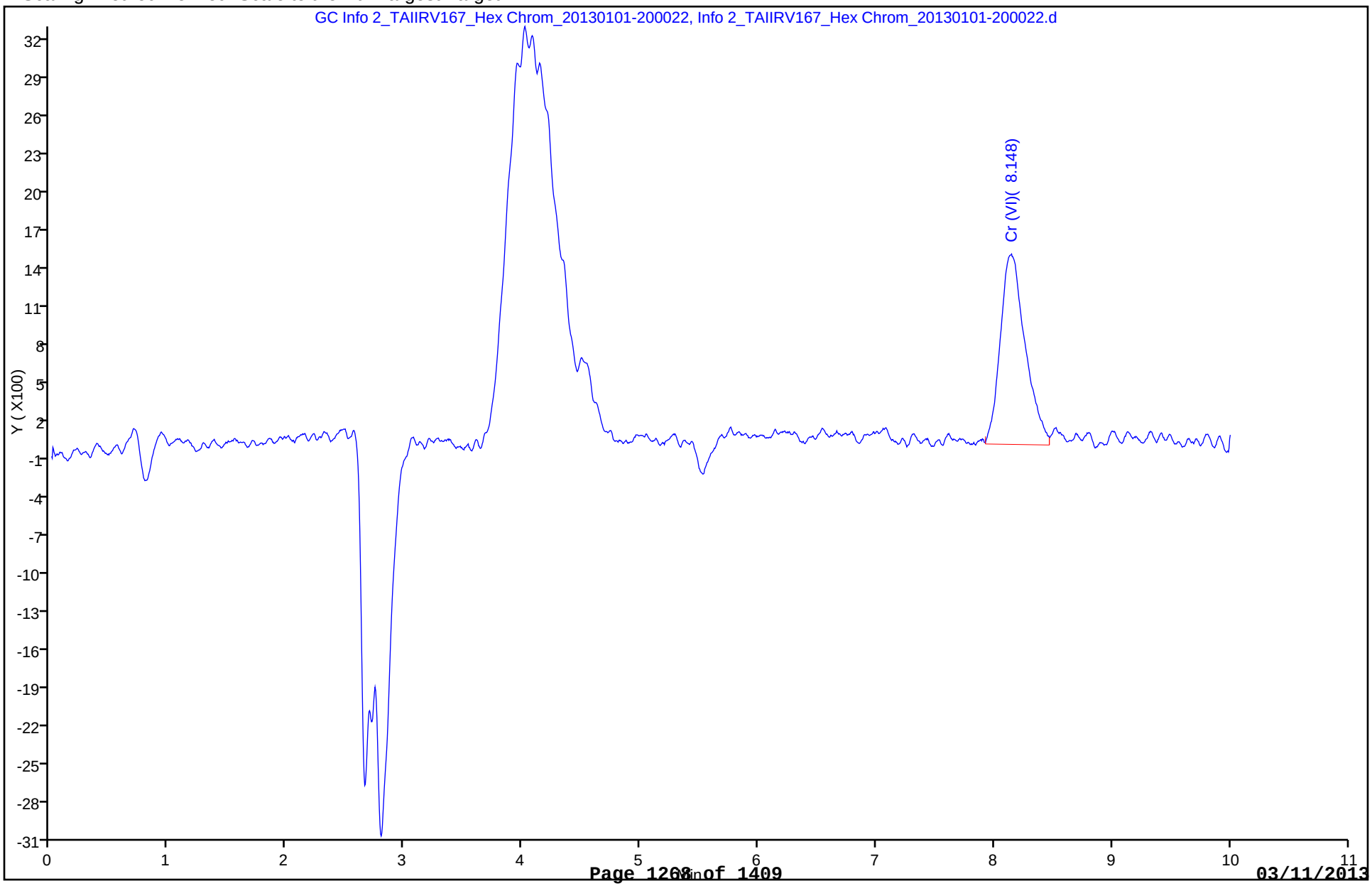
Report Date: 02-Jan-2013 06:05:50 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Irvine

Data File: \\Irvchrom\ChromData\IC16\20130101-16934.b\Info 2_TAIIRV167_Hex Chrom_20130101-200022.d

Injection Date:	01-Jan-2013 19:47:00	Limit Group:	IC-7199
Client ID:	OC-SB-523-6.0/8.0-XXX	Instrument ID:	IC-16
Lims Batch ID:	76481	Lims Sample ID:	18
Operator ID:	irvinorg	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Irvine
Job No.: 480-30106-1
SDG No.:
Client Sample ID: OC-SB-523-22/24-XXX
Lab Sample ID: 480-30106-21
Matrix: Solid
Lab File ID: Info 2_TAIIRV167_Hex
Analysis Method: 7199
Date Collected: 12/12/2012 14:10
Extraction Method: 3060A
Date Extracted: 12/27/2012 09:26
Sample wt/vol: 1.24(g)
Date Analyzed: 01/01/2013 20:00
Con. Extract Vol.: 50(mL)
Dilution Factor: 10
Injection Volume: 1(uL)
GC Column: AS7 ID: 4(mm)
% Moisture: 10.4
GPC Cleanup:(Y/N) N
Analysis Batch No.: 76481
Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
18540-29-9	Cr (VI)	1.1		0.23	0.17

TestAmerica Irvine
Target Compound Quantitation Report

Data File:	\\Irvchrom\ChromData\IC16\20130101-16934.b\Info 2_TAIIRV167_Hex Chrom_20130101-201302.d		
Lims ID:	480-30106-A-21-E	Client ID:	OC-SB-523-22/24-XXX
Inject. Date:	01-Jan-2013 20:00:00	Dil. Factor:	10.0000
Sample Type:	Client		
Sample ID:	440-0016934-019		
Misc. Info.:	440-0016934-019		
Operator:	irvinorg	Instrument ID:	IC-16
Injection Vol:	1.0 ul	ALS Bottle#:	0
Lims Batch ID:	76481	Lims Sample ID:	19
Raw Data:	Smoothed		
Detector:	GC Info 2_TAIIRV167_Hex Chrom_20130101-201302		
Method:	\\Irvchrom\ChromData\IC16\20130101-16934.b\218.6_16.m		
Method Label:	HEX CHROME		
Last Update:	02-Jan-2013 06:05:47	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:	XAWRK016		

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
1 Cr (VI)	8.127	8.262	-0.135	97677	2.40	

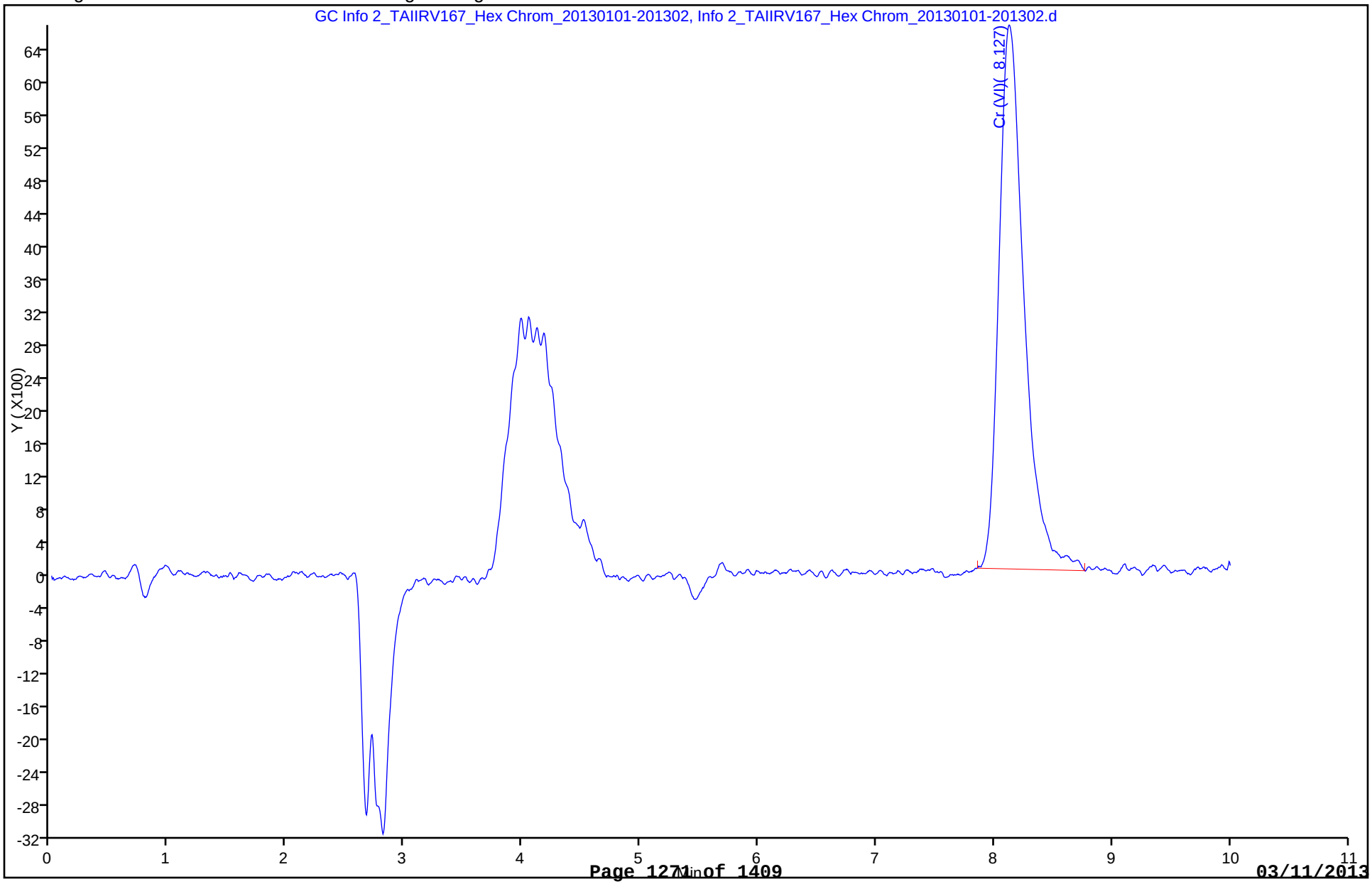
Report Date: 02-Jan-2013 06:05:51 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Irvine

Data File: \\Irvchrom\ChromData\IC16\20130101-16934.b\Info 2_TAIIRV167_Hex Chrom_20130101-201302.d

Injection Date:	01-Jan-2013 20:00:00	Limit Group:	IC-7199
Client ID:	OC-SB-523-22/24-XXX	Instrument ID:	IC-16
Lims Batch ID:	76481	Lims Sample ID:	19
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.: 480-30106-1
SDG No.:
Client Sample ID: OC-DUP-4
Lab Sample ID: 480-30106-22
Matrix: Solid
Lab File ID: Info 2_TAIIRV167_Hex
Analysis Method: 7199
Date Collected: 12/12/2012 00:00
Extraction Method: 3060A
Date Extracted: 12/27/2012 09:26
Sample wt/vol: 1.24(g)
Date Analyzed: 01/01/2013 20:13
Con. Extract Vol.: 50(mL)
Dilution Factor: 10
Injection Volume: 1(uL)
GC Column: AS7 ID: 4(mm)
% Moisture: 15.8
GPC Cleanup:(Y/N) N
Analysis Batch No.: 76481
Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
18540-29-9	Cr (VI)	0.18	J	0.24	0.18

TestAmerica Irvine
Target Compound Quantitation Report

Data File:	\\Irvchrom\ChromData\IC16\20130101-16934.b\Info 2_TAIIRV167_Hex Chrom_20130101-202541.d		
Lims ID:	480-30106-A-22-G	Client ID:	OC-DUP-4
Inject. Date:	01-Jan-2013 20:13:00	Dil. Factor:	10.0000
Sample Type:	Client		
Sample ID:	440-0016934-020		
Misc. Info.:	440-0016934-020		
Operator:	irvinorg	Instrument ID:	IC-16
Injection Vol:	1.0 ul	ALS Bottle#:	0
Lims Batch ID:	76481	Lims Sample ID:	20
Raw Data:	Smoothed		
Detector:	GC Info 2_TAIIRV167_Hex Chrom_20130101-202541		
Method:	\\Irvchrom\ChromData\IC16\20130101-16934.b\218.6_16.m		
Method Label:	HEX CHROME		
Last Update:	02-Jan-2013 06:05:47	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:	XAWRK016		

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
1 Cr (VI)	8.163	8.262	-0.099	21042	0.3666	

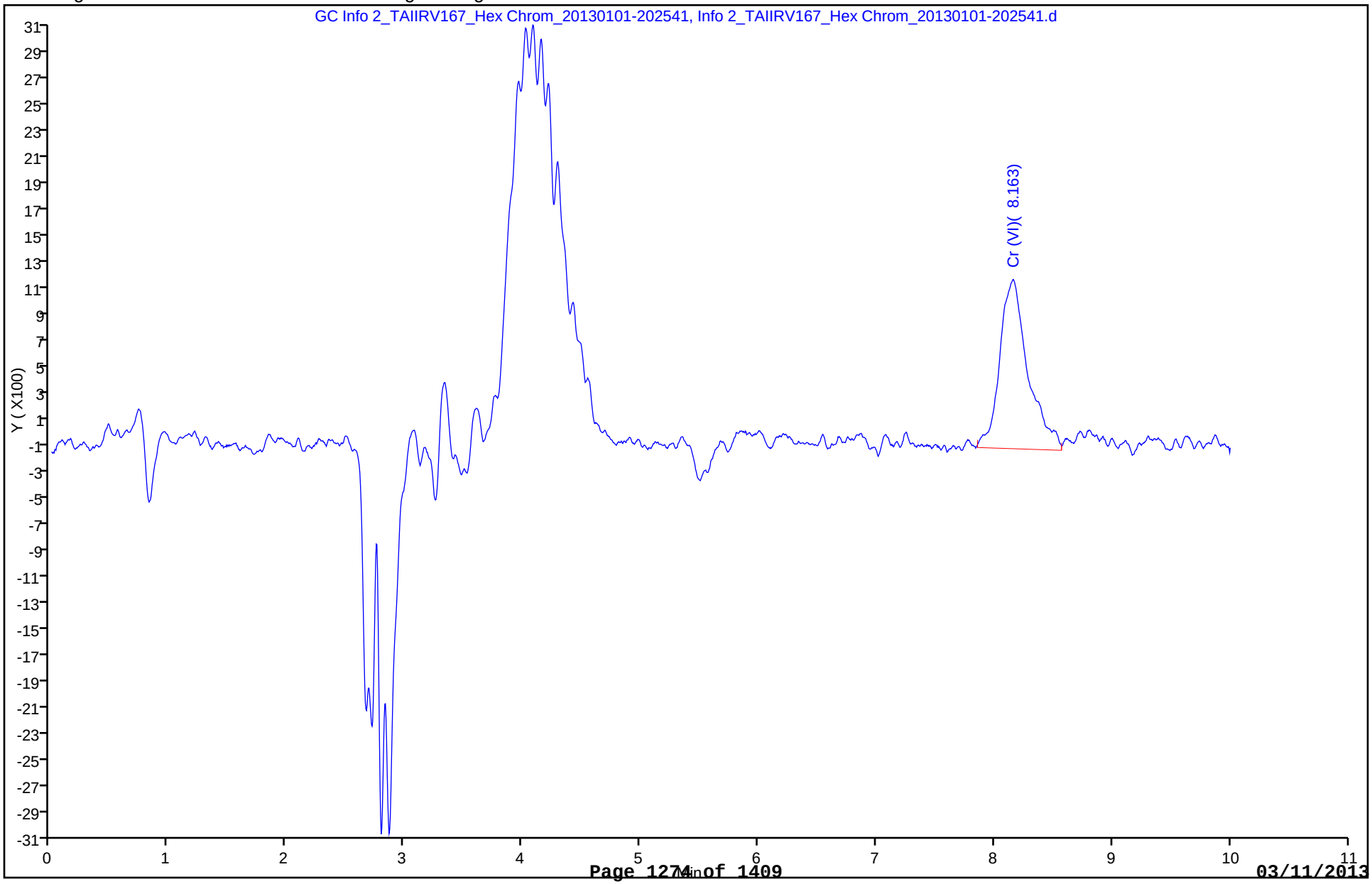
Report Date: 02-Jan-2013 06:05:51 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Irvine

Data File: \\Irvchrom\ChromData\IC16\20130101-16934.b\Info 2_TAIIRV167_Hex Chrom_20130101-202541.d

Injection Date:	01-Jan-2013 20:13:00	Limit Group:	IC-7199
Client ID:	OC-DUP-4	Instrument ID:	IC-16
Lims Batch ID:	76481	Lims Sample ID:	20
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.: 480-30106-1 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.: 480-30106-1 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.: 480-30106-1 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	

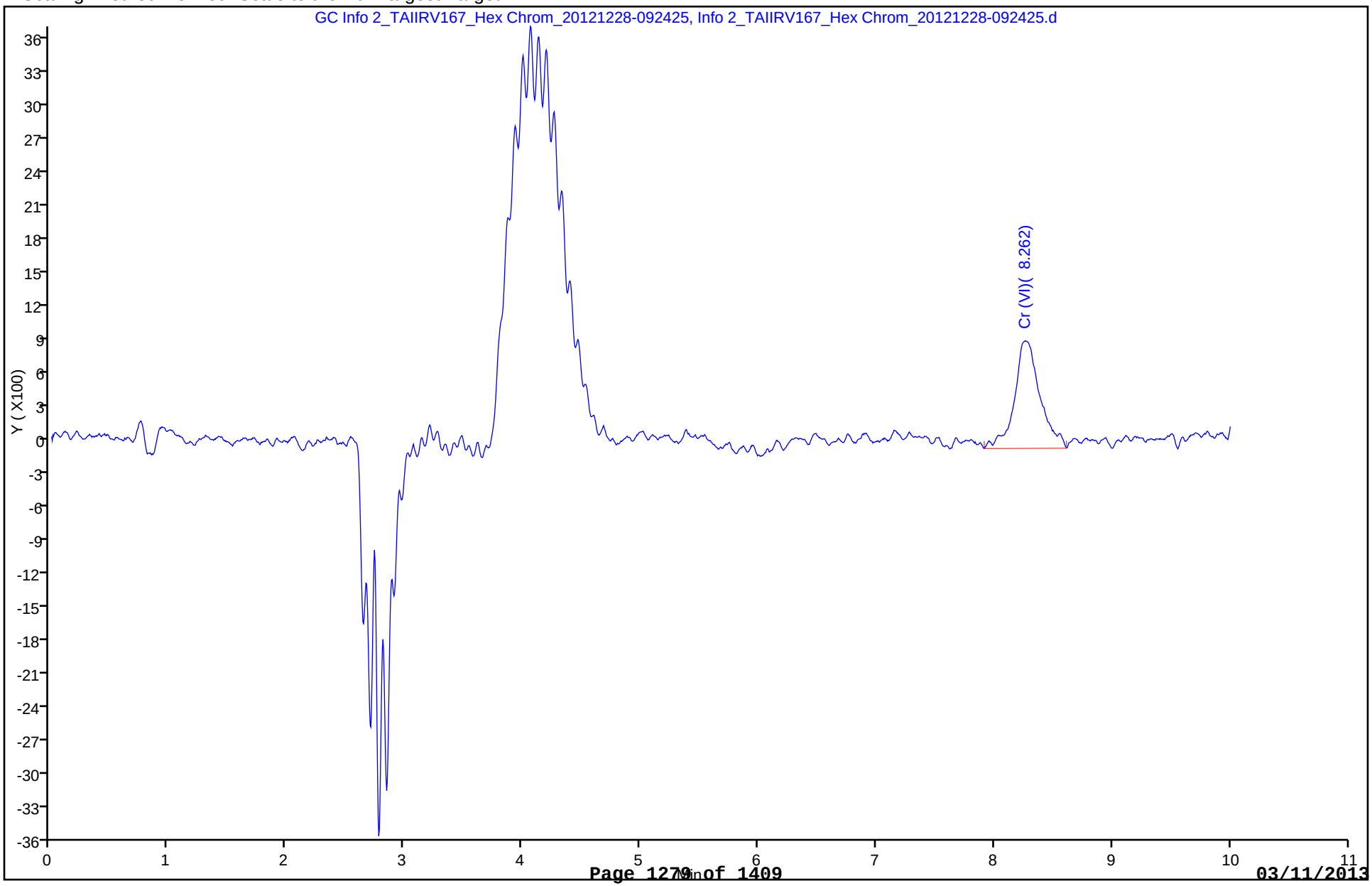
Report Date: 28-Dec-2012 11:08:06 Chrom Revision: 2.0 22-Oct-2012 16:30:48

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	

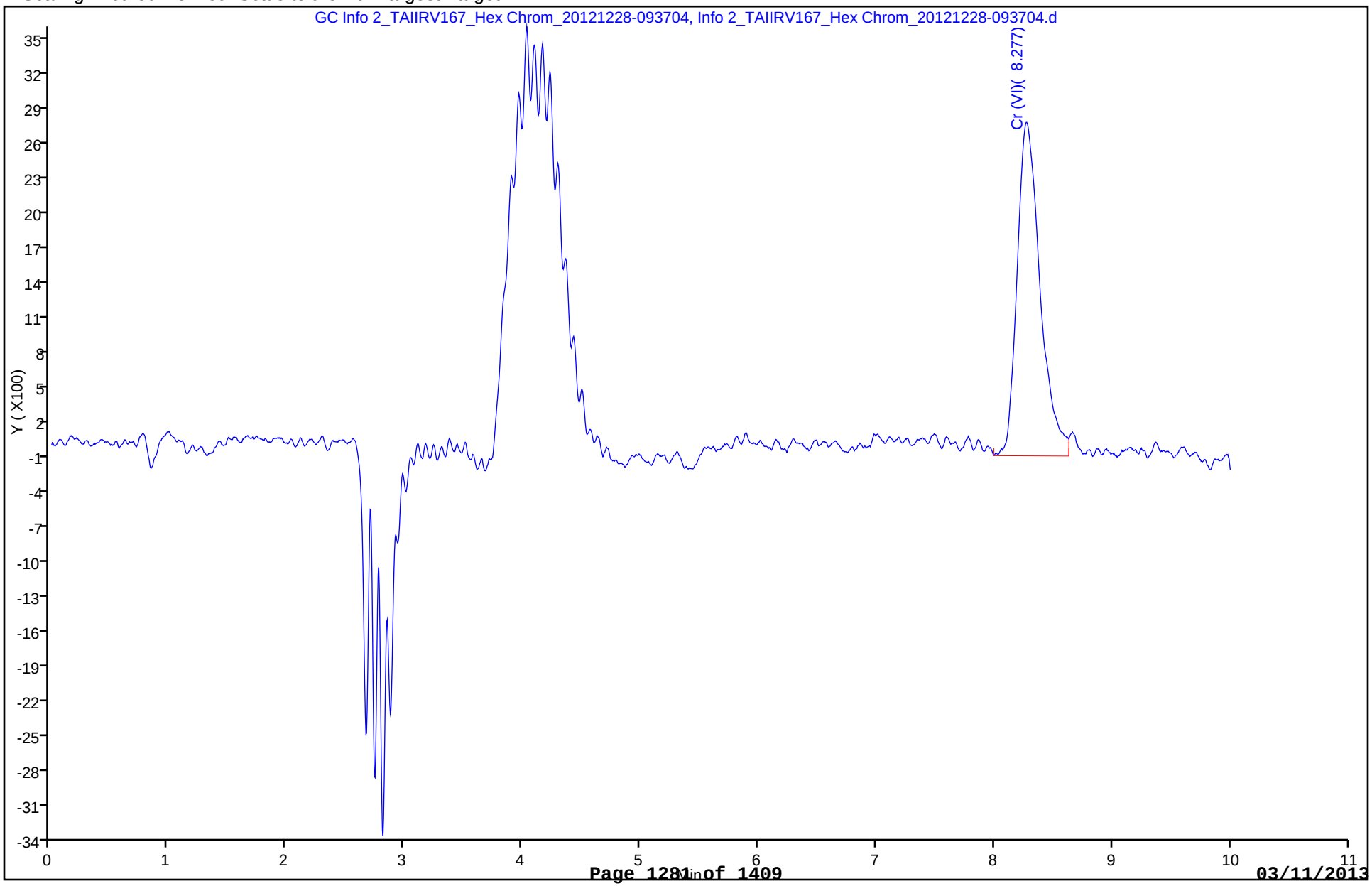
Report Date: 28-Dec-2012 11:08:07 Chrom Revision: 2.0 22-Oct-2012 16:30:48

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	

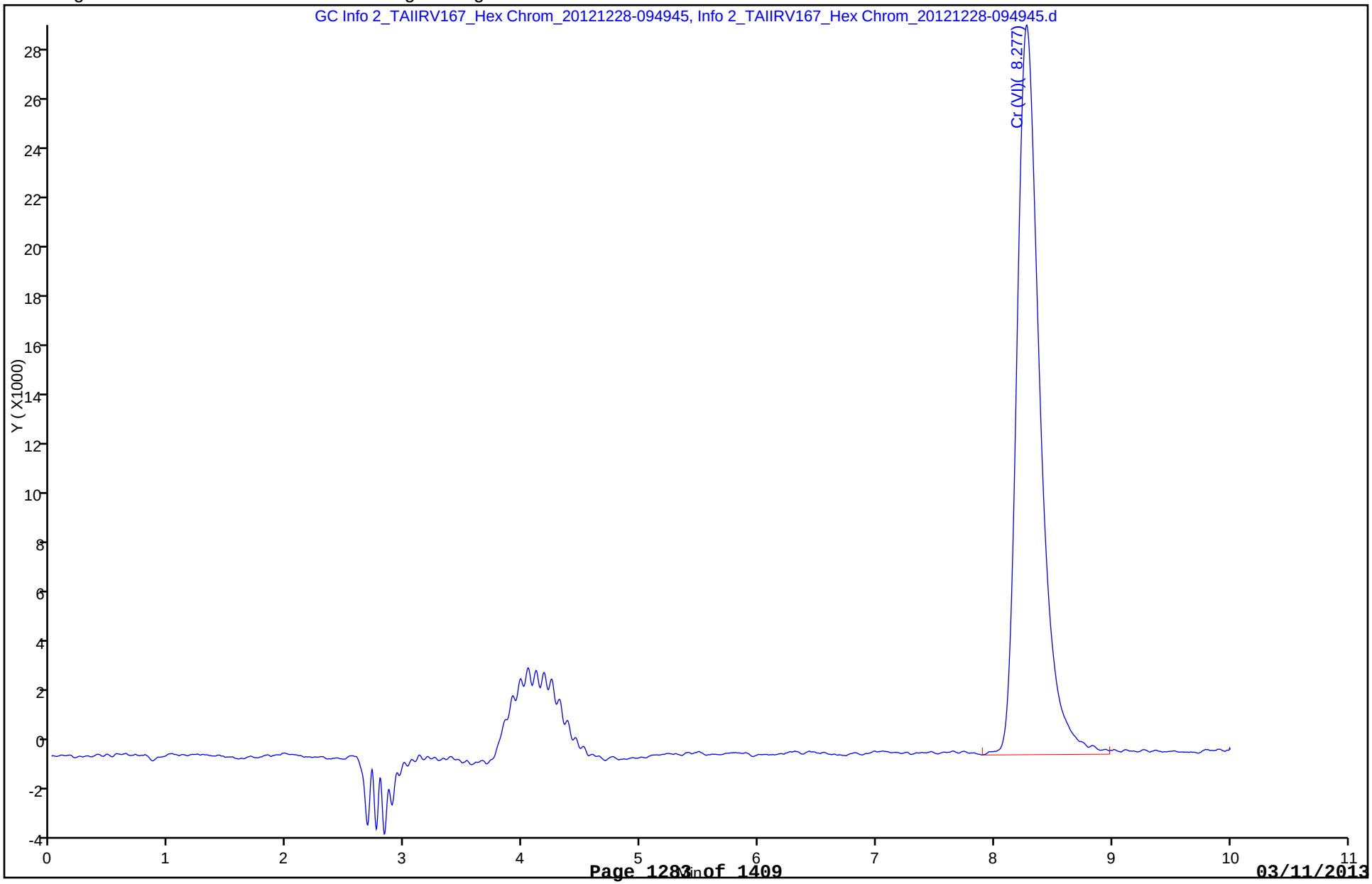
Report Date: 28-Dec-2012 11:08:07 Chrom Revision: 2.0 22-Oct-2012 16:30:48

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	

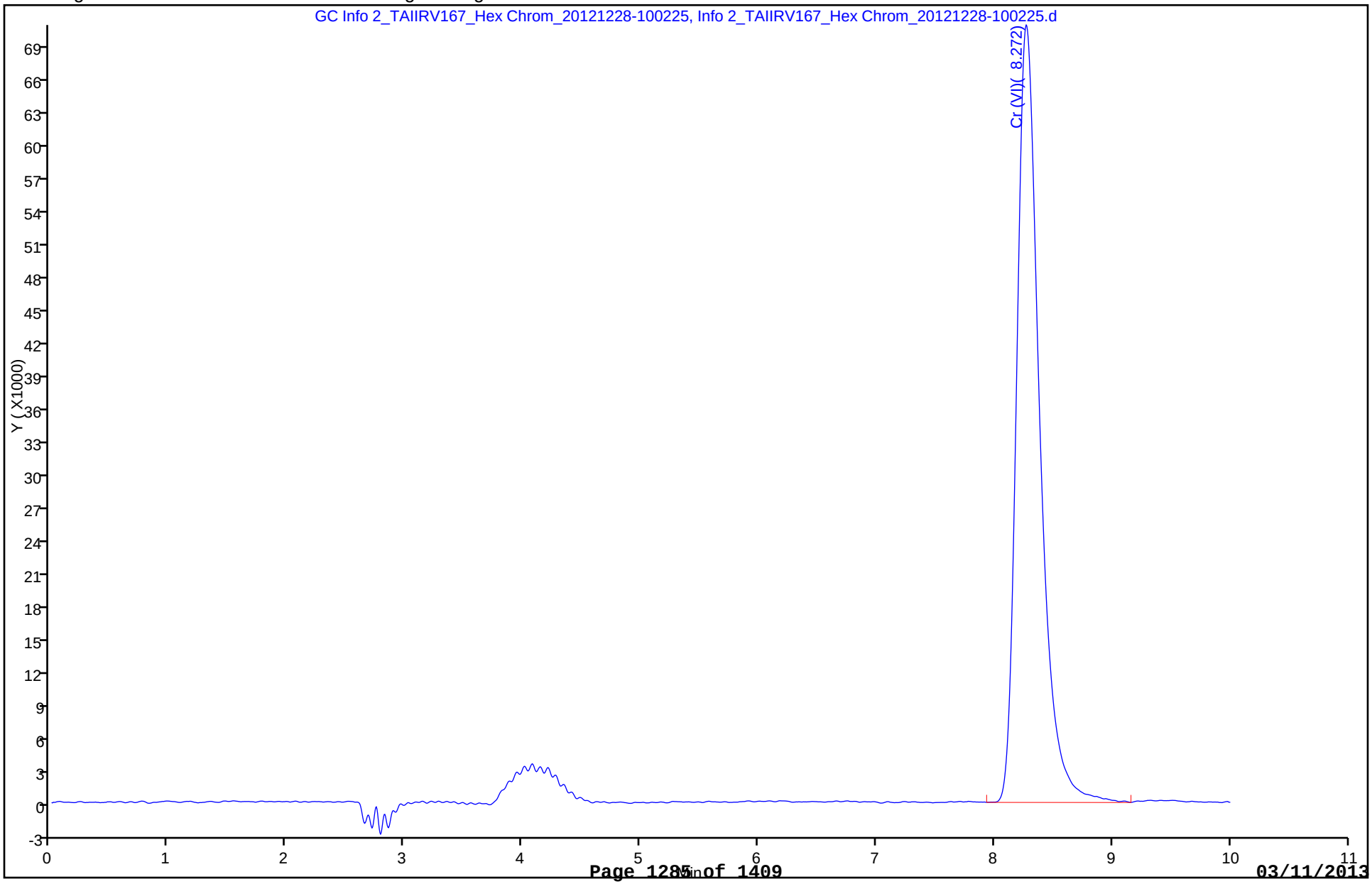
Report Date: 28-Dec-2012 11:08:08 Chrom Revision: 2.0 22-Oct-2012 16:30:48

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	

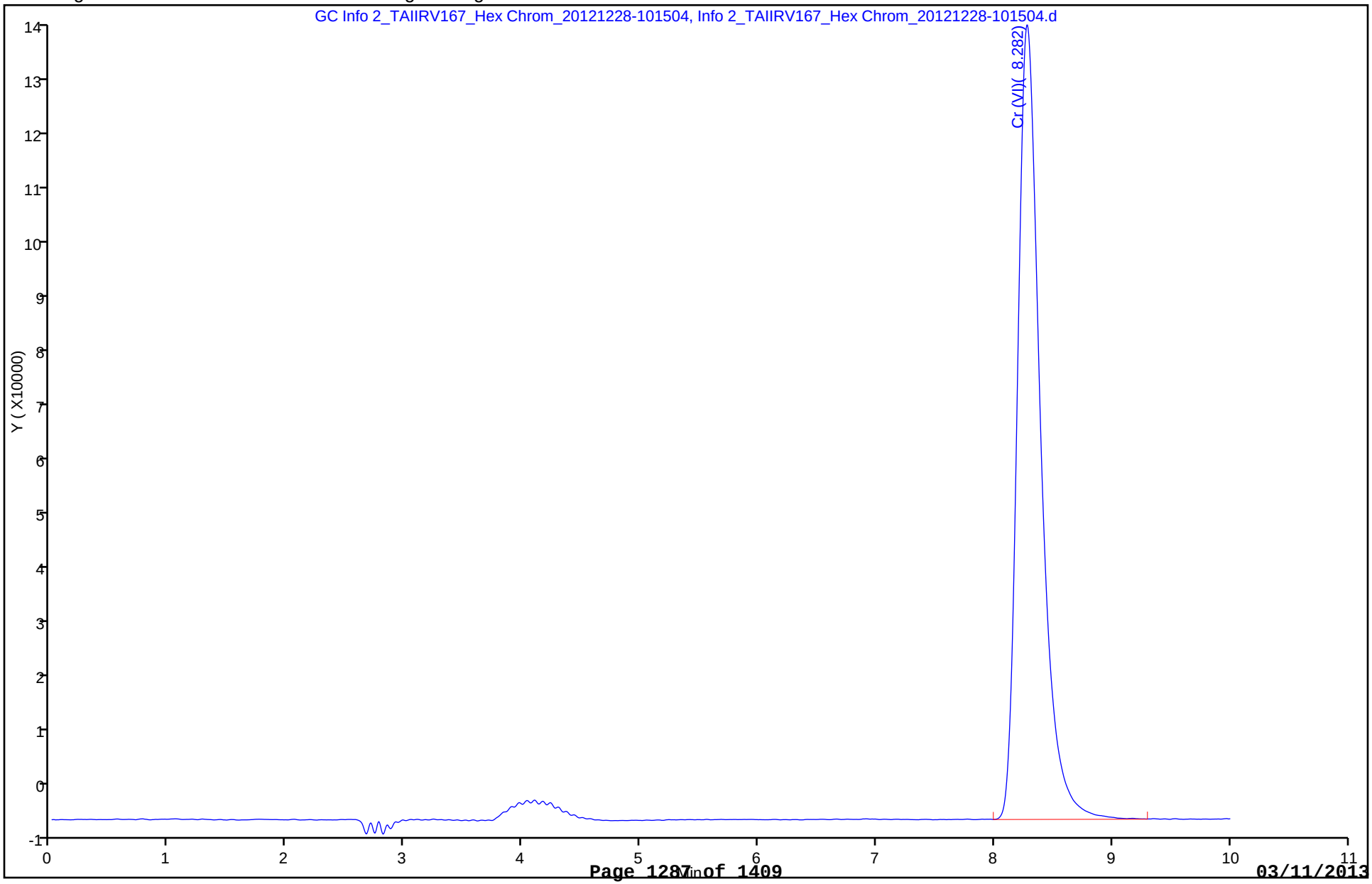
Report Date: 28-Dec-2012 11:08:08 Chrom Revision: 2.0 22-Oct-2012 16:30:48

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	

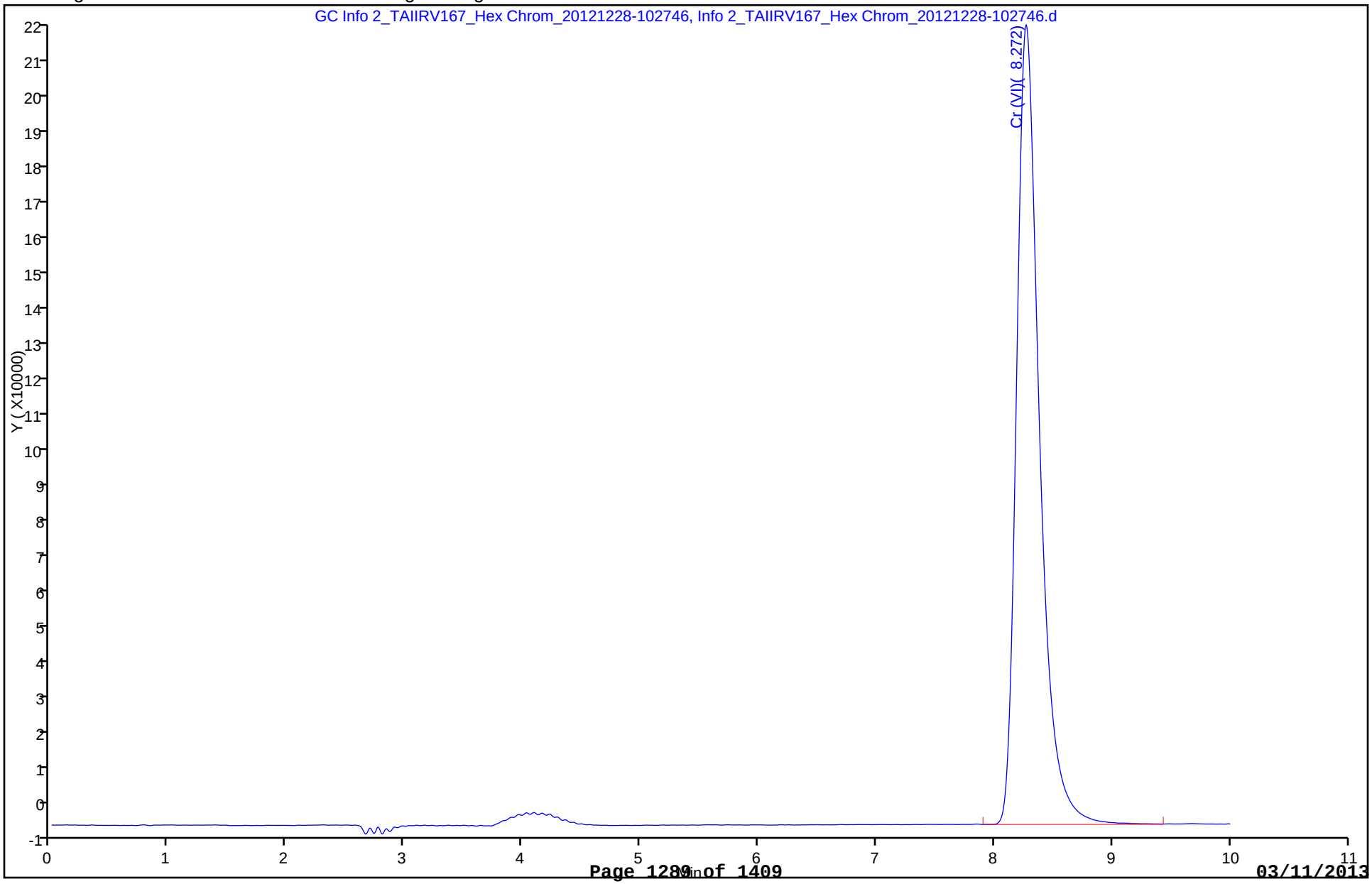
Report Date: 28-Dec-2012 11:08:08 Chrom Revision: 2.0 22-Oct-2012 16:30:48

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	

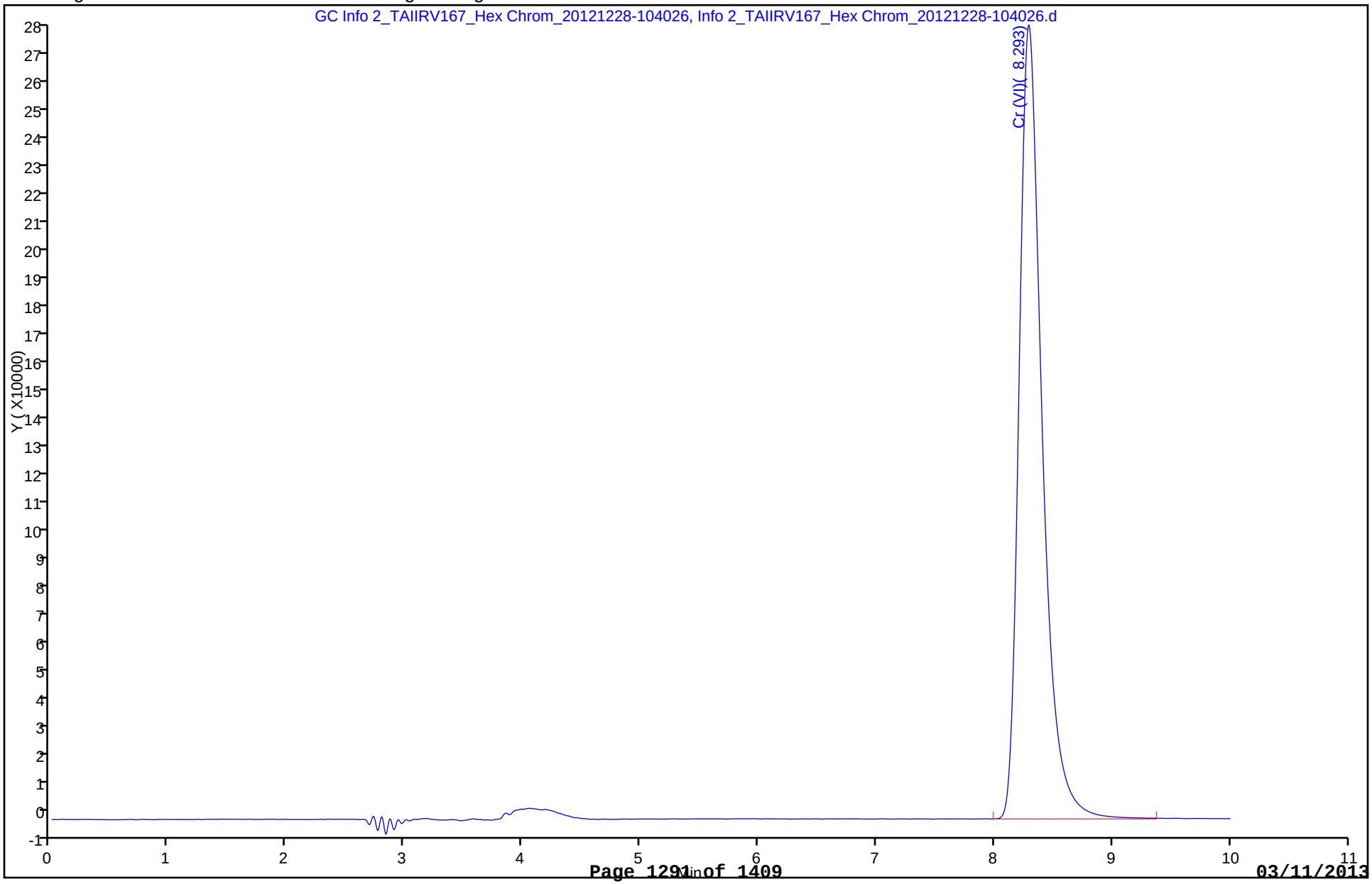
Report Date: 28-Dec-2012 11:08:09 Chrom Revision: 2.0 22-Oct-2012 16:30:48

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.: 480-30106-1

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.: 480-30106-1

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	

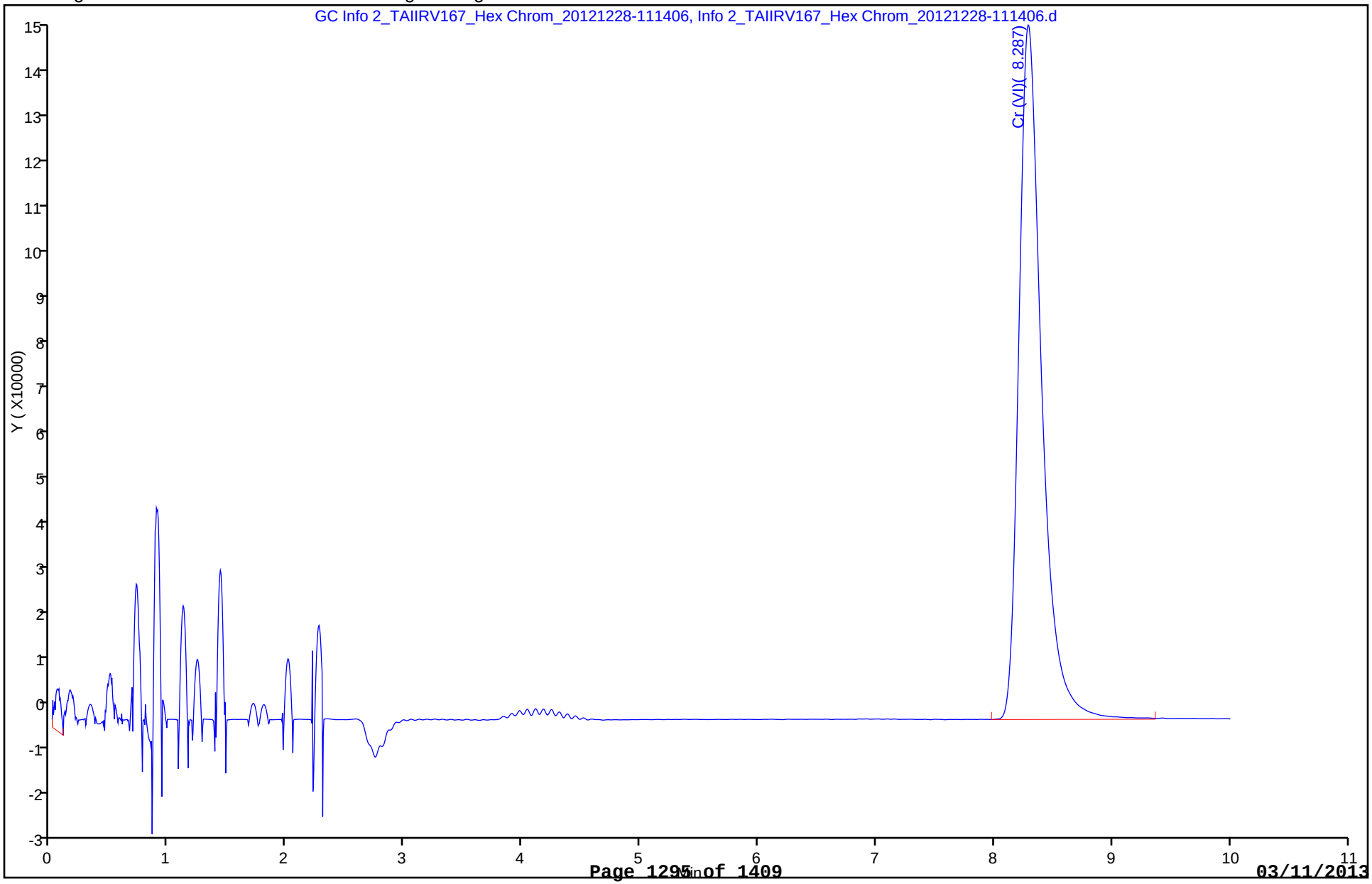
Report Date: 28-Dec-2012 11:24:45 Chrom Revision: 2.0 22-Oct-2012 16:30:48

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.: 480-30106-1

SDG No.:

Lab Sample ID: CCV 440-76371/16 Calibration Date: 12/31/2012 15:46

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				48.9	50.0	98	90-110

FORM VII 7199

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Irvine Job No.: 480-30106-1

SDG No.:

Lab Sample ID: CCV 440-76371/16 Calibration Date: 12/31/2012 15:46

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)	8.26	7.85	8.68

TestAmerica Irvine
Target Compound Quantitation Report

Data File:	\\Irvchrom\ChromData\IC16\20121231-16916.b\Info 2_TAIIRV167_Hex Chrom_20121231-155911.d		
Lims ID:	ccv	Client ID:	
Inject. Date:	31-Dec-2012 15:46:00	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	440-0016916-016		
Misc. Info.:	440-0016916-016		
Operator:	irvinorg	Instrument ID:	IC-16
Injection Vol:	1.0 ul	ALS Bottle#:	0
Lims Batch ID:	76371	Lims Sample ID:	16
Sublist:	chrom-218.6_16*sub1		
Raw Data:	Smoothed		
Detector:	GC Info 2_TAIIRV167_Hex Chrom_20121231-155911		
Method:	\\Irvchrom\ChromData\IC16\20121231-16916.b\218.6_16.m		
Method Label:	HEX CHROME		
Last Update:	31-Dec-2012 17:49:14	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:	XAWRK004		

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
1 Cr (VI)	8.256	8.262	-0.006	1851616	48.9	

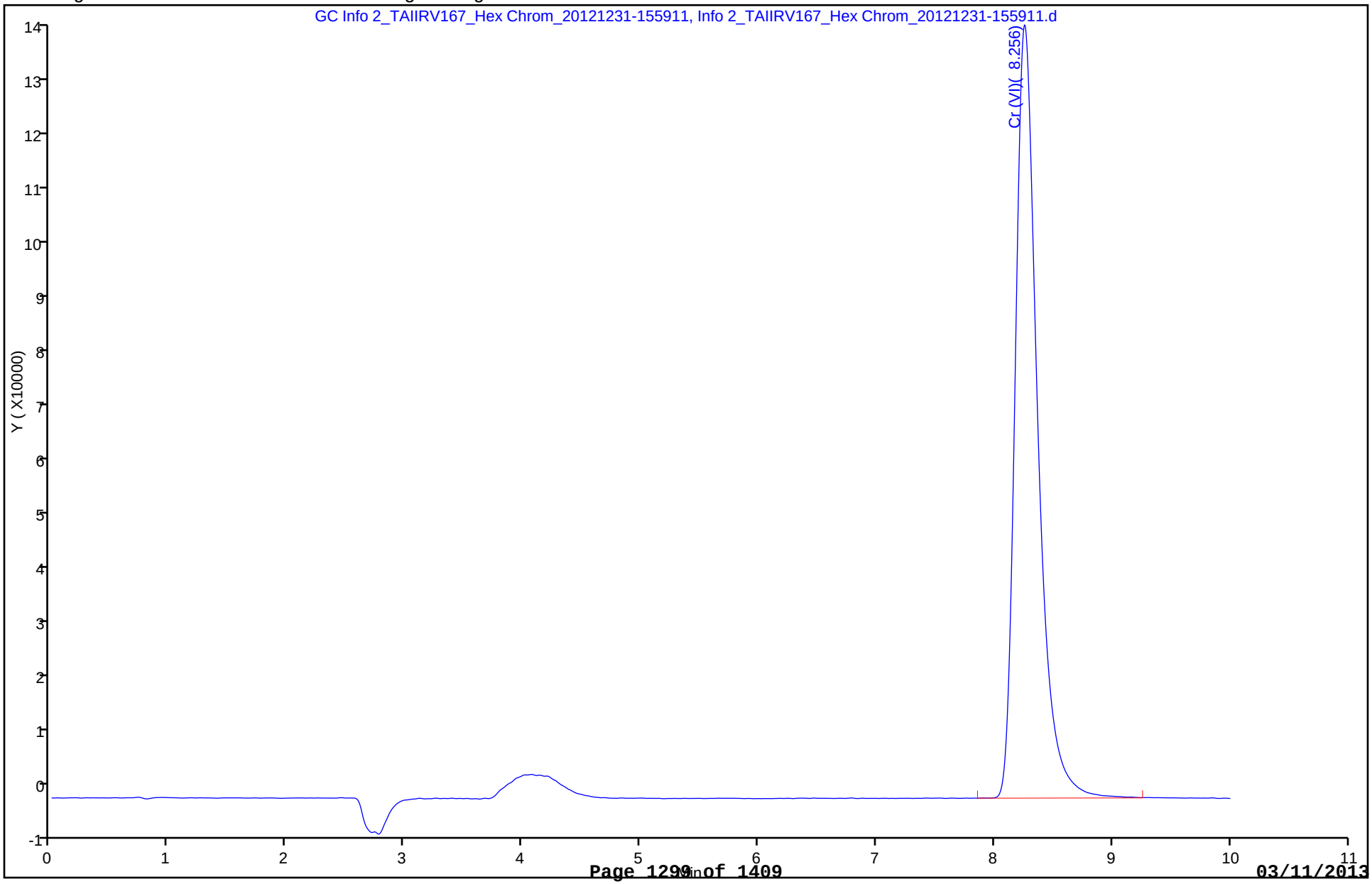
Report Date: 31-Dec-2012 17:49:14 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Irvine

Data File: \\Irvchrom\ChromData\IC16\20121231-16916.b\Info 2_TAIIRV167_Hex Chrom_20121231-155911.d

Injection Date:	31-Dec-2012 15:46:00	Limit Group:	IC-7199
Client ID:		Instrument ID:	IC-16
Lims Batch ID:	76371	Lims Sample ID:	16
Operator ID:	irvinorg	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Irvine Job No.: 480-30106-1

SDG No.:

Lab Sample ID: CCV 440-76481/15 Calibration Date: 01/01/2013 19:09

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				49.4	50.0	99	90-110

FORM VII 7199

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Irvine Job No.: 480-30106-1

SDG No.:

Lab Sample ID: CCV 440-76481/15 Calibration Date: 01/01/2013 19:09

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)	8.24	7.85	8.68

TestAmerica Irvine
Target Compound Quantitation Report

Data File:	\\Irvchrom\ChromData\IC16\20130101-16934.b\Info 2_TAIIRV167_Hex Chrom_20130101-192224.d		
Lims ID:	CCV	Client ID:	
Inject. Date:	01-Jan-2013 19:09:00	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	440-0016934-015		
Misc. Info.:	440-0016934-015		
Operator:	irvinorg	Instrument ID:	IC-16
Injection Vol:	1.0 ul	ALS Bottle#:	0
Lims Batch ID:	76481	Lims Sample ID:	15
Sublist:	chrom-218.6_16*sub1		
Raw Data:	Smoothed		
Detector:	GC Info 2_TAIIRV167_Hex Chrom_20130101-192224		
Method:	\\Irvchrom\ChromData\IC16\20130101-16934.b\218.6_16.m		
Method Label:	HEX CHROME		
Last Update:	01-Jan-2013 19:24:35	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:	XAWRK003		

First Level Reviewer: welchr Date: 01-Jan-2013 19:24:35

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
1 Cr (VI)	8.241	8.262	-0.021	1872354	49.4	

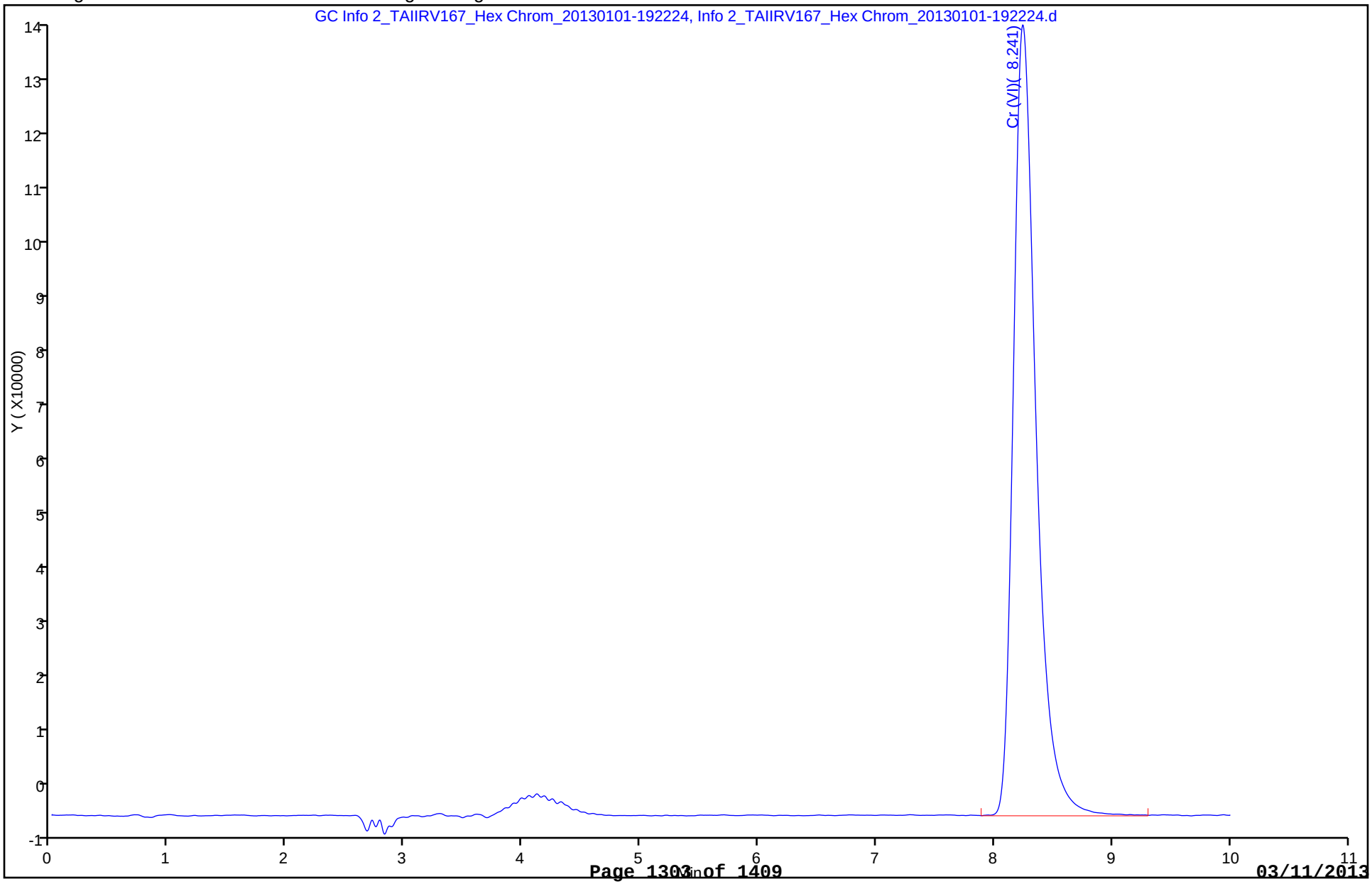
Report Date: 01-Jan-2013 19:24:36 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Irvine

Data File: \\Irvchrom\ChromData\IC16\20130101-16934.b\Info 2_TAIIRV167_Hex Chrom_20130101-192224.d

Injection Date:	01-Jan-2013 19:09:00	Limit Group:	IC-7199
Client ID:		Instrument ID:	IC-16
Lims Batch ID:	76481	Lims Sample ID:	15
Operator ID:	irvinorg	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Irvine Job No.: 480-30106-1

SDG No.:

Lab Sample ID: CCV 440-76481/25 Calibration Date: 01/01/2013 21:16

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				49.1	50.0	98	90-110

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Irvine Job No.: 480-30106-1

SDG No.:

Lab Sample ID: CCV 440-76481/25 Calibration Date: 01/01/2013 21:16

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\20130101-16934.b\Info 2_TAIIRV167_Hex Chrom_20130101-212857.d		
Lims ID:	CCV	Client ID:	
Inject. Date:	01-Jan-2013 21:16:00	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	440-0016934-025		
Misc. Info.:	440-0016934-025		
Operator:	irvinorg	Instrument ID:	IC-16
Injection Vol:	1.0 ul	ALS Bottle#:	0
Lims Batch ID:	76481	Lims Sample ID:	25
Sublist:	chrom-218.6_16*sub1		
Raw Data:	Smoothed		
Detector:	GC Info 2_TAIIRV167_Hex Chrom_20130101-212857		
Method:	\\Irvchrom\ChromData\IC16\20130101-16934.b\218.6_16.m		
Method Label:	HEX CHROME		
Last Update:	02-Jan-2013 06:05:53	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:	XAWRK016		

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
1 Cr (VI)	8.194	8.262	-0.068	1858853	49.1	

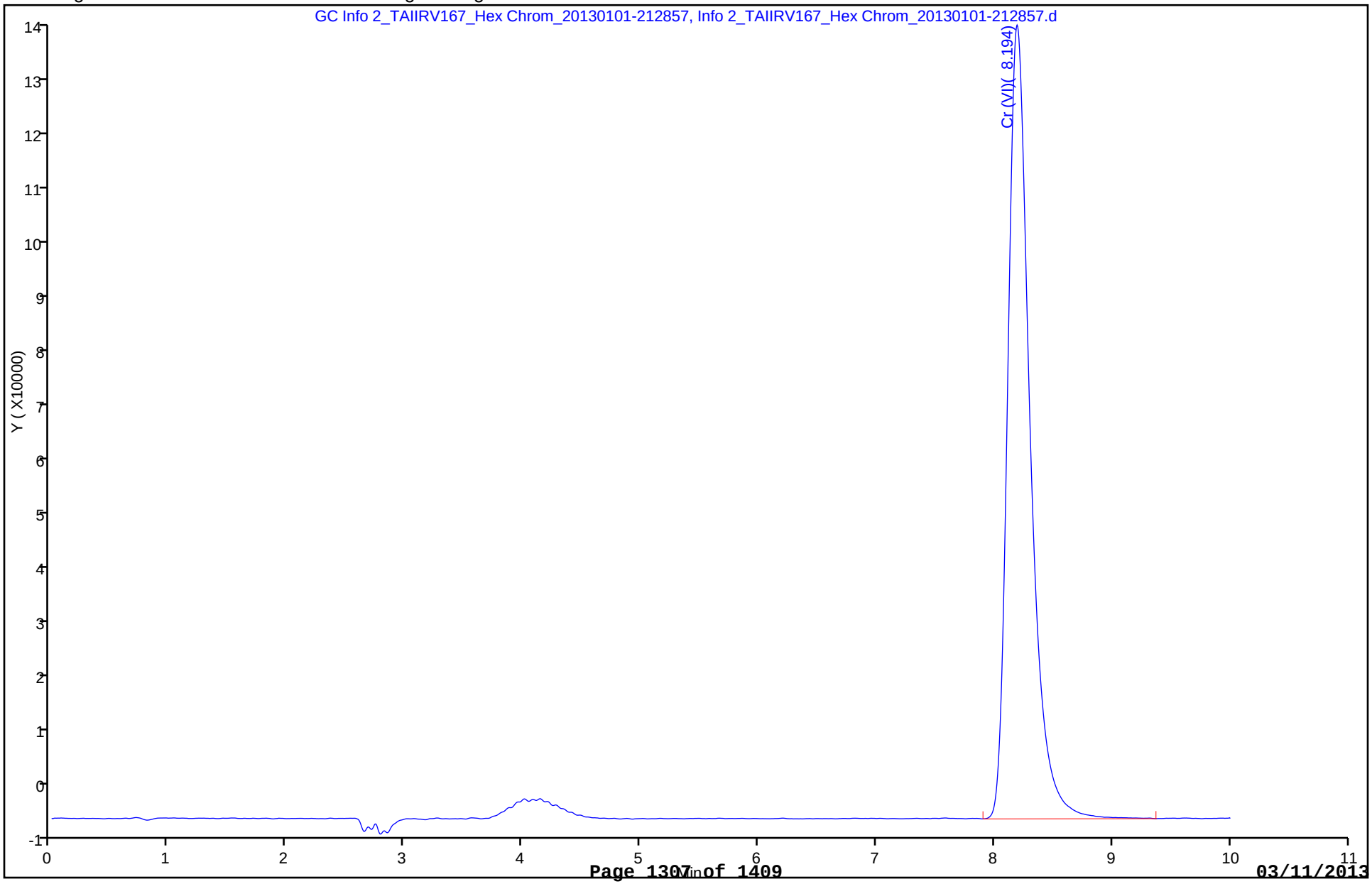
Report Date: 02-Jan-2013 06:05:54 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Irvine

Data File: \\Irvchrom\ChromData\IC16\20130101-16934.b\Info 2_TAIIRV167_Hex Chrom_20130101-212857.d

Injection Date:	01-Jan-2013 21:16:00	Limit Group:	IC-7199
Client ID:		Instrument ID:	IC-16
Lims Batch ID:	76481	Lims Sample ID:	25
Operator ID:	irvinorg	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Irvine
Job No.: 480-30106-1
SDG No.:
Client Sample ID:
Lab Sample ID: MB 440-75585/1-A
Matrix: Solid
Lab File ID: Info 2_TAIIRV167_Hex
Analysis Method: 7199
Date Collected:
Extraction Method: 3060A
Date Extracted: 12/27/2012 09:26
Sample wt/vol: 1.26(g)
Date Analyzed: 12/31/2012 13:27
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.: 76371
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\20121231-16916.b\Info 2_TAIIRV167_Hex Chrom_20121231-133944.d		
Lims ID:	MB 440-75585/1-A	Client ID:	
Inject. Date:	31-Dec-2012 13:27:00	Dil. Factor:	10.0000
Sample Type:	MB		
Sample ID:	440-0016916-005		
Misc. Info.:	440-0016916-005		
Operator:	irvinorg	Instrument ID:	IC-16
Injection Vol:	1.0 ul	ALS Bottle#:	0
Lims Batch ID:	76371	Lims Sample ID:	5
Raw Data:	Smoothed		
Detector:	GC Info 2_TAIIRV167_Hex Chrom_20121231-133944		
Method:	\\Irvchrom\ChromData\IC16\20121231-16916.b\218.6_16.m		
Method Label:	HEX CHROME		
Last Update:	31-Dec-2012 14:28:25	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:	XAWRK027		

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
1 Cr (VI)	8.148	8.262	-0.114	6010	-0.0316	

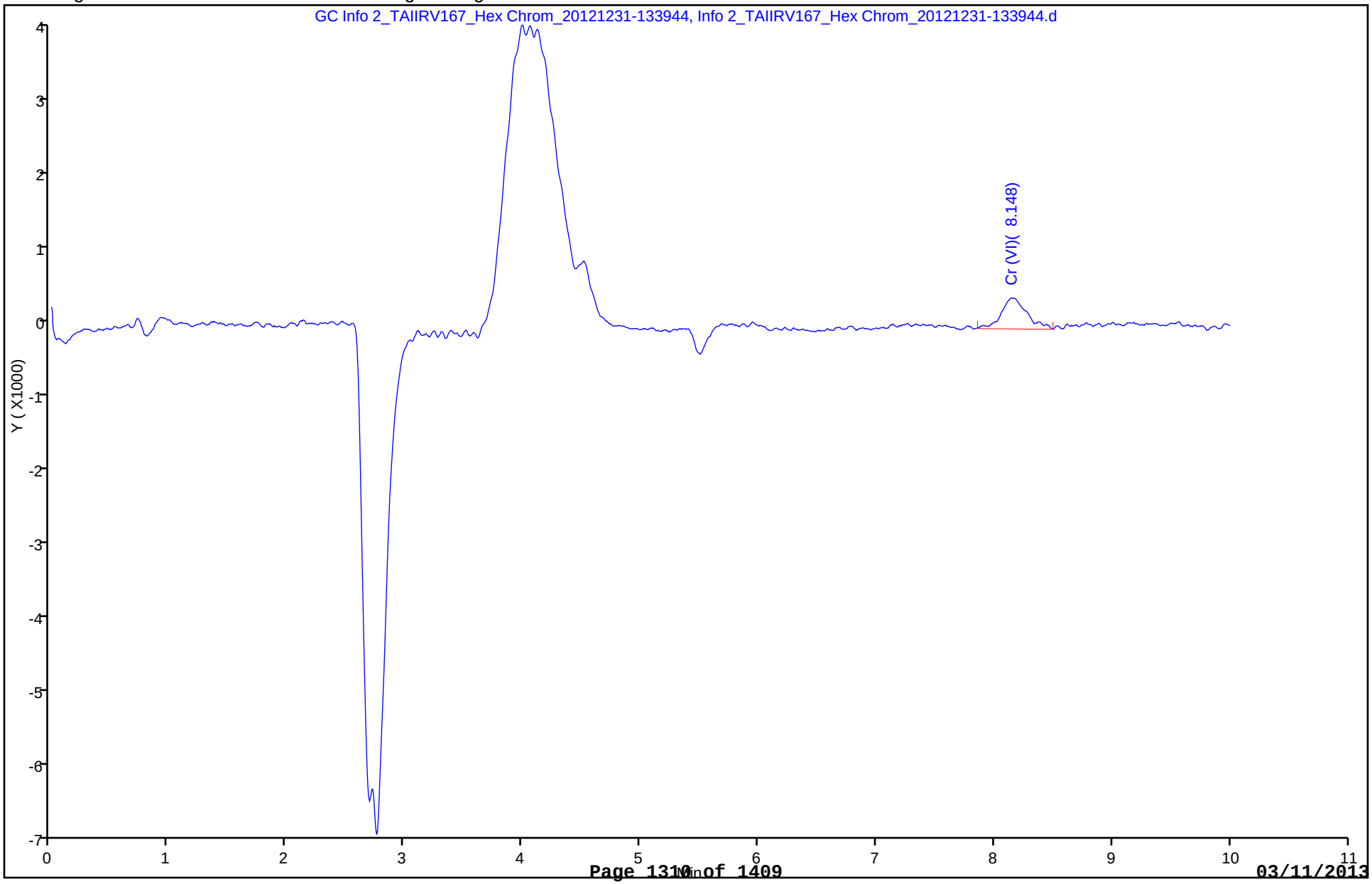
Report Date: 31-Dec-2012 14:28:26 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Irvine

Data File: \\Irvchrom\ChromData\IC16\20121231-16916.b\Info 2_TAIIRV167_Hex Chrom_20121231-133944.d

Injection Date:	31-Dec-2012 13:27:00	Limit Group:	IC-7199
Client ID:		Instrument ID:	IC-16
Lims Batch ID:	76371	Lims Sample ID:	5
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.: 480-30106-1
SDG No.:
Client Sample ID:
Lab Sample ID: CCB 440-76371/15
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: 12/31/2012 15:33
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.: 76371
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\20121231-16916.b\Info 2_TAIIRV167_Hex Chrom_20121231-154630.d		
Lims ID:	ccb	Client ID:	
Inject. Date:	31-Dec-2012 15:33:00	Dil. Factor:	1.0000
Sample Type:	CCB		
Sample ID:	440-0016916-015		
Misc. Info.:	440-0016916-015		
Operator:	irvinorg	Instrument ID:	IC-16
Injection Vol:	1.0 ul	ALS Bottle#:	0
Lims Batch ID:	76371	Lims Sample ID:	15
Raw Data:	Smoothed		
Detector:	GC Info 2_TAIIRV167_Hex Chrom_20121231-154630		
Method:	\\Irvchrom\ChromData\IC16\20121231-16916.b\218.6_16.m		
Method Label:	HEX CHROME		
Last Update:	31-Dec-2012 18:24:38	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:	XAWRK004		

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags

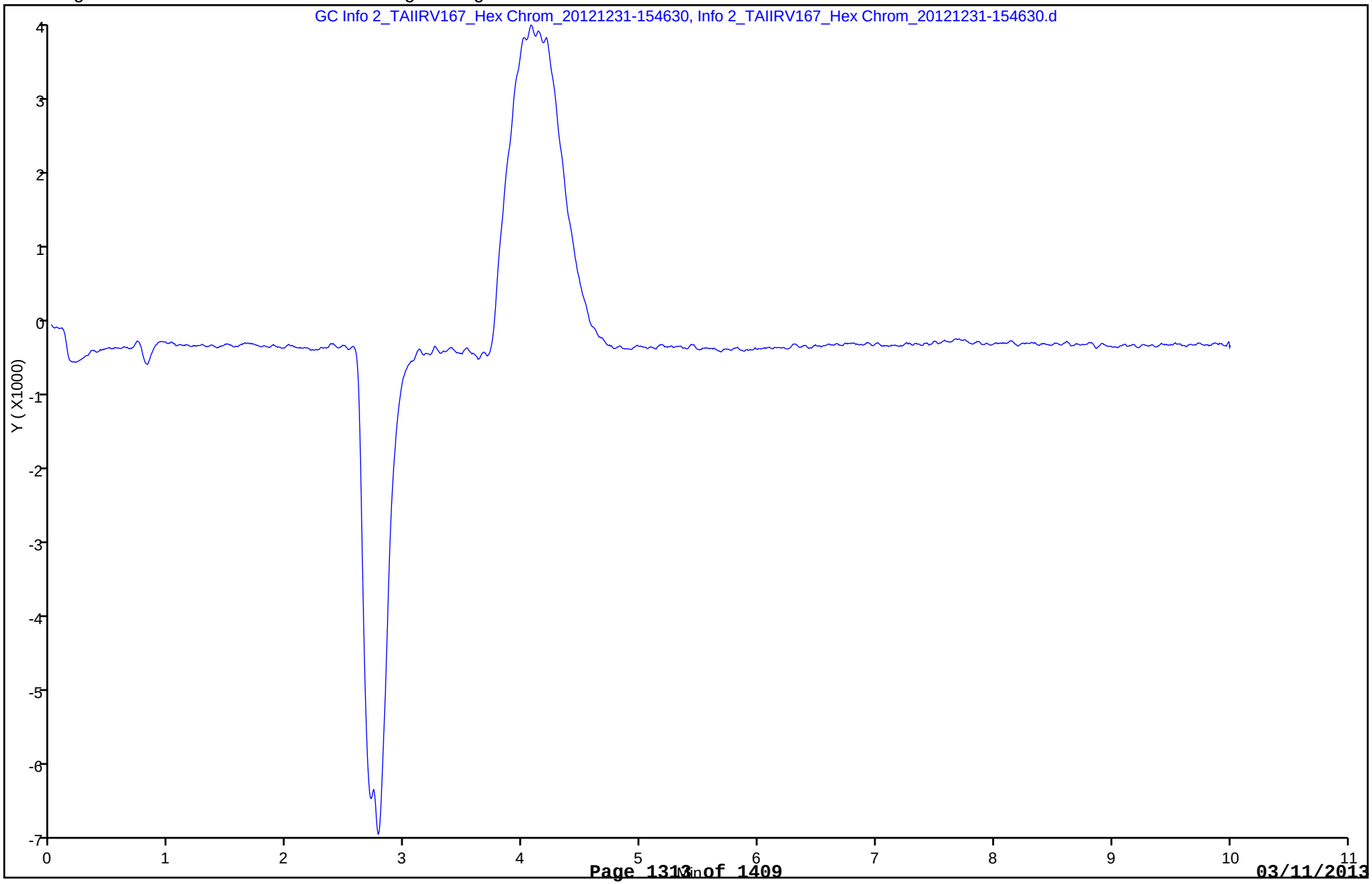
Report Date: 31-Dec-2012 17:49:14 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Irvine

Data File: \\Irvchrom\ChromData\IC16\20121231-16916.b\Info 2_TAIIRV167_Hex Chrom_20121231-154630.d

Injection Date:	31-Dec-2012 15:33:00	Limit Group:	IC-7199
Client ID:		Instrument ID:	IC-16
Lims Batch ID:	76371	Lims Sample ID:	15
Operator ID:	irvinorg	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Irvine
Job No.: 480-30106-1
SDG No.:
Client Sample ID:
Lab Sample ID: CCB 440-76481/16
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: 01/01/2013 19:22
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.: 76481
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\20130101-16934.b\Info 2_TAIIRV167_Hex Chrom_20130101-193503.d		
Lims ID:	CCB	Client ID:	
Inject. Date:	01-Jan-2013 19:22:00	Dil. Factor:	1.0000
Sample Type:	CCB		
Sample ID:	440-0016934-016		
Misc. Info.:	440-0016934-016		
Operator:	irvinorg	Instrument ID:	IC-16
Injection Vol:	1.0 ul	ALS Bottle#:	0
Lims Batch ID:	76481	Lims Sample ID:	16
Raw Data:	Smoothed		
Detector:	GC Info 2_TAIIRV167_Hex Chrom_20130101-193503		
Method:	\\Irvchrom\ChromData\IC16\20130101-16934.b\218.6_16.m		
Method Label:	HEX CHROME		
Last Update:	01-Jan-2013 19:24:35	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:	XAWRK003		

First Level Reviewer: welchr Date: 01-Jan-2013 19:38:33

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags

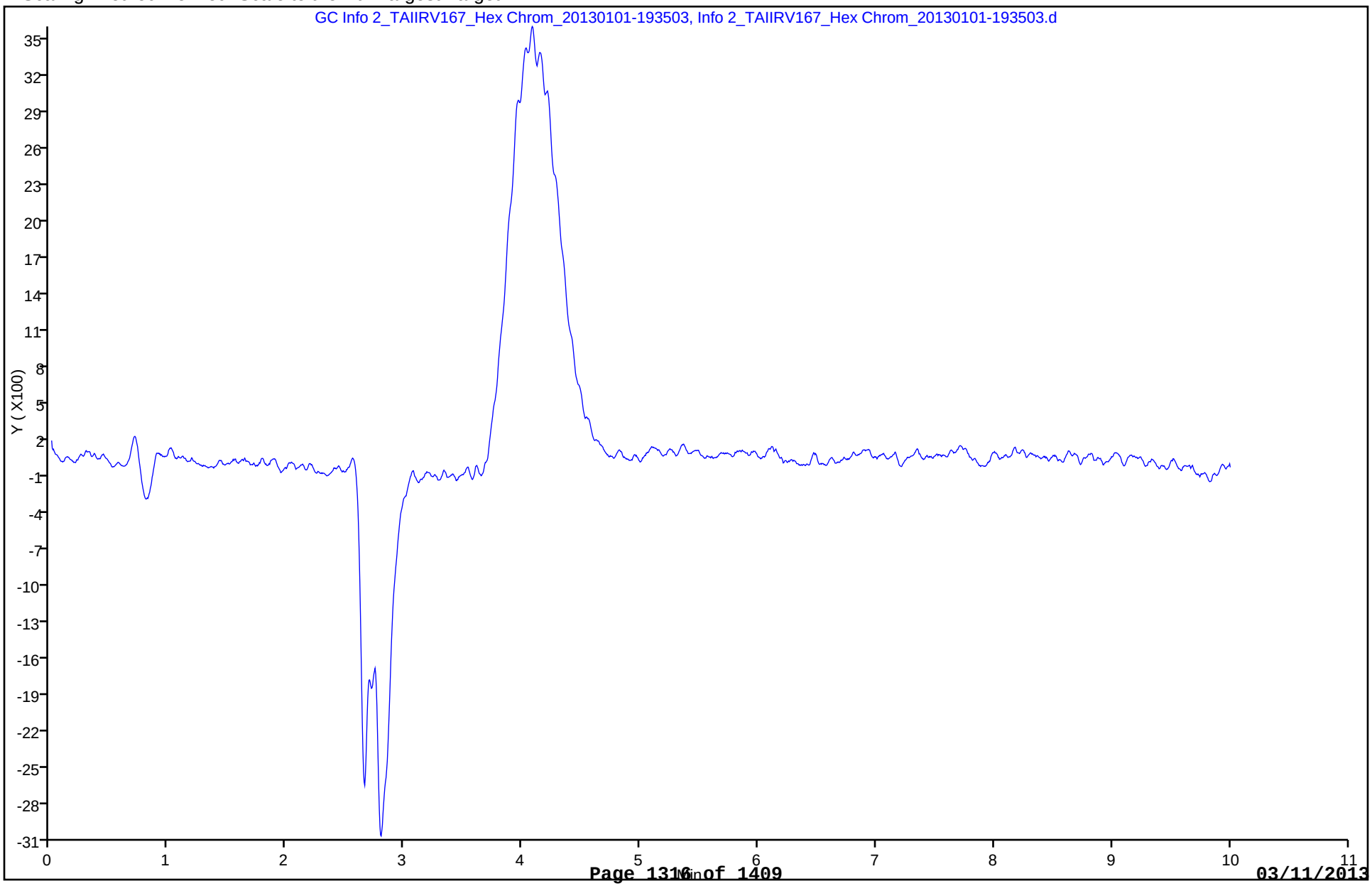
Report Date: 01-Jan-2013 19:38:34 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Irvine

Data File: \\Irvchrom\ChromData\IC16\20130101-16934.b\Info 2_TAIIRV167_Hex Chrom_20130101-193503.d

Injection Date:	01-Jan-2013 19:22:00	Limit Group:	IC-7199
Client ID:		Instrument ID:	IC-16
Lims Batch ID:	76481	Lims Sample ID:	16
Operator ID:	irvinorg	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Irvine
Job No.: 480-30106-1
SDG No.:
Client Sample ID:
Lab Sample ID: CCB 440-76481/26
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: 01/01/2013 21:29
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.: 76481
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\20130101-16934.b\Info 2_TAIIRV167_Hex Chrom_20130101-214136.d		
Lims ID:	CCB	Client ID:	
Inject. Date:	01-Jan-2013 21:29:00	Dil. Factor:	1.0000
Sample Type:	CCB		
Sample ID:	440-0016934-026		
Misc. Info.:	440-0016934-026		
Operator:	irvinorg	Instrument ID:	IC-16
Injection Vol:	1.0 ul	ALS Bottle#:	0
Lims Batch ID:	76481	Lims Sample ID:	26
Raw Data:	Smoothed		
Detector:	GC Info 2_TAIIRV167_Hex Chrom_20130101-214136		
Method:	\\Irvchrom\ChromData\IC16\20130101-16934.b\218.6_16.m		
Method Label:	HEX CHROME		
Last Update:	02-Jan-2013 06:05:53	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:	XAWRK016		

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags

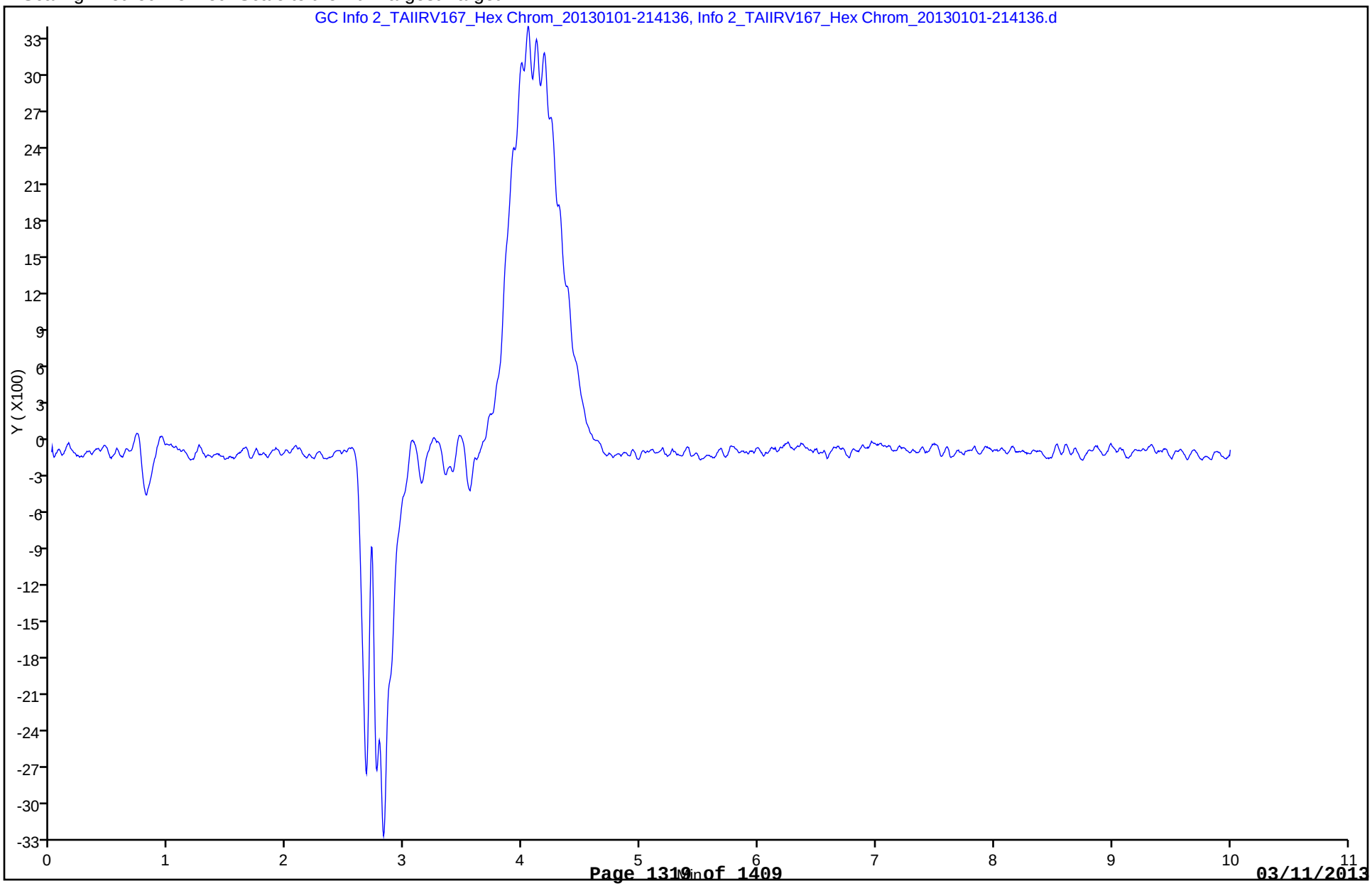
Report Date: 02-Jan-2013 06:05:55 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Irvine

Data File: \\Irvchrom\ChromData\IC16\20130101-16934.b\Info 2_TAIIRV167_Hex Chrom_20130101-214136.d

Injection Date:	01-Jan-2013 21:29:00	Limit Group:	IC-7199
Client ID:		Instrument ID:	IC-16
Lims Batch ID:	76481	Lims Sample ID:	26
Operator ID:	irvinorg	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Irvine
Job No.: 480-30106-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCS 440-75585/2-A
Matrix: Solid
Lab File ID: Info 2_TAIIRV167_Hex
Analysis Method: 7199
Date Collected:
Extraction Method: 3060A
Date Extracted: 12/27/2012 09:26
Sample wt/vol: 1.26(g)
Date Analyzed: 12/31/2012 13:39
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.: 76371
Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
18540-29-9	Cr (VI)	10.5		0.20	0.15

TestAmerica Irvine
Target Compound Quantitation Report

Data File:	\\Irvchrom\ChromData\IC16\20121231-16916.b\Info 2_TAIIRV167_Hex Chrom_20121231-135226.d		
Lims ID:	LCS 440-75585/2-A	Client ID:	
Inject. Date:	31-Dec-2012 13:39:00	Dil. Factor:	10.0000
Sample Type:	LCS		
Sample ID:	440-0016916-006		
Misc. Info.:	440-0016916-006		
Operator:	irvinorg	Instrument ID:	IC-16
Injection Vol:	1.0 ul	ALS Bottle#:	0
Lims Batch ID:	76371	Lims Sample ID:	6
Raw Data:	Smoothed		
Detector:	GC Info 2_TAIIRV167_Hex Chrom_20121231-135226		
Method:	\\Irvchrom\ChromData\IC16\20121231-16916.b\218.6_16.m		
Method Label:	HEX CHROME		
Last Update:	31-Dec-2012 14:28:25	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:	XAWRK027		

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
1 Cr (VI)	8.174	8.262	-0.088	1009473	26.6	

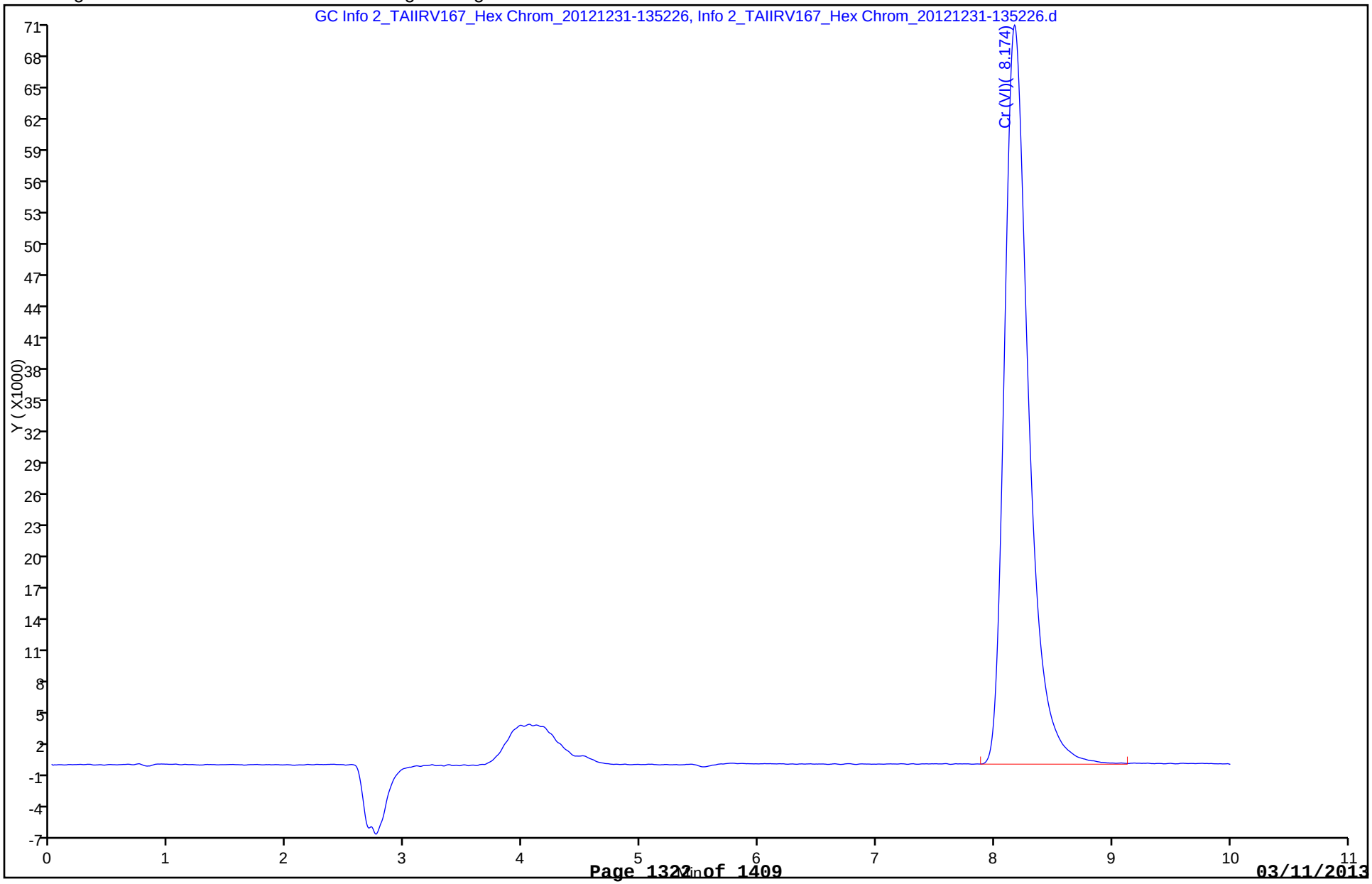
Report Date: 31-Dec-2012 14:28:27 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Irvine

Data File: \\Irvchrom\ChromData\IC16\20121231-16916.b\Info 2_TAIIRV167_Hex Chrom_20121231-135226.d

Injection Date:	31-Dec-2012 13:39:00	Limit Group:	IC-7199
Client ID:		Instrument ID:	IC-16
Lims Batch ID:	76371	Lims Sample ID:	6
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.: 480-30106-1
SDG No.:
Client Sample ID: OC-SB-513-0.0/1.0-XXX MS
Lab Sample ID: 480-30106-1 MS
Matrix: Solid
Lab File ID: Info 2_TAIIRV167_Hex
Analysis Method: 7199
Date Collected: 12/12/2012 08:20
Extraction Method: 3060A
Date Extracted: 12/27/2012 09:26
Sample wt/vol: 1.24(g)
Date Analyzed: 12/31/2012 14:05
Con. Extract Vol.: 50(mL)
Dilution Factor: 10
Injection Volume: 1(uL)
GC Column: AS7 ID: 4(mm)
% Moisture: 13.1
GPC Cleanup:(Y/N) N
Analysis Batch No.: 76371
Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
18540-29-9	Cr (VI)	10.3		0.23	0.17

TestAmerica Irvine
Target Compound Quantitation Report

Data File:	\\Irvchrom\ChromData\IC16\20121231-16916.b\Info 2_TAIIRV167_Hex Chrom_20121231-141748.d		
Lims ID:	480-30106-A-1-F MS	Client ID:	
Inject. Date:	31-Dec-2012 14:05:00	Dil. Factor:	10.0000
Sample Type:	MS		
Sample ID:	440-0016916-008		
Misc. Info.:	440-0016916-008		
Operator:	irvinorg	Instrument ID:	IC-16
Injection Vol:	1.0 ul	ALS Bottle#:	0
Lims Batch ID:	76371	Lims Sample ID:	8
Raw Data:	Smoothed		
Detector:	GC Info 2_TAIIRV167_Hex Chrom_20121231-141748		
Method:	\\Irvchrom\ChromData\IC16\20121231-16916.b\218.6_16.m		
Method Label:	HEX CHROME		
Last Update:	31-Dec-2012 14:28:25	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:	XAWRK027		

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
1 Cr (VI)	8.184	8.262	-0.078	847868	22.3	

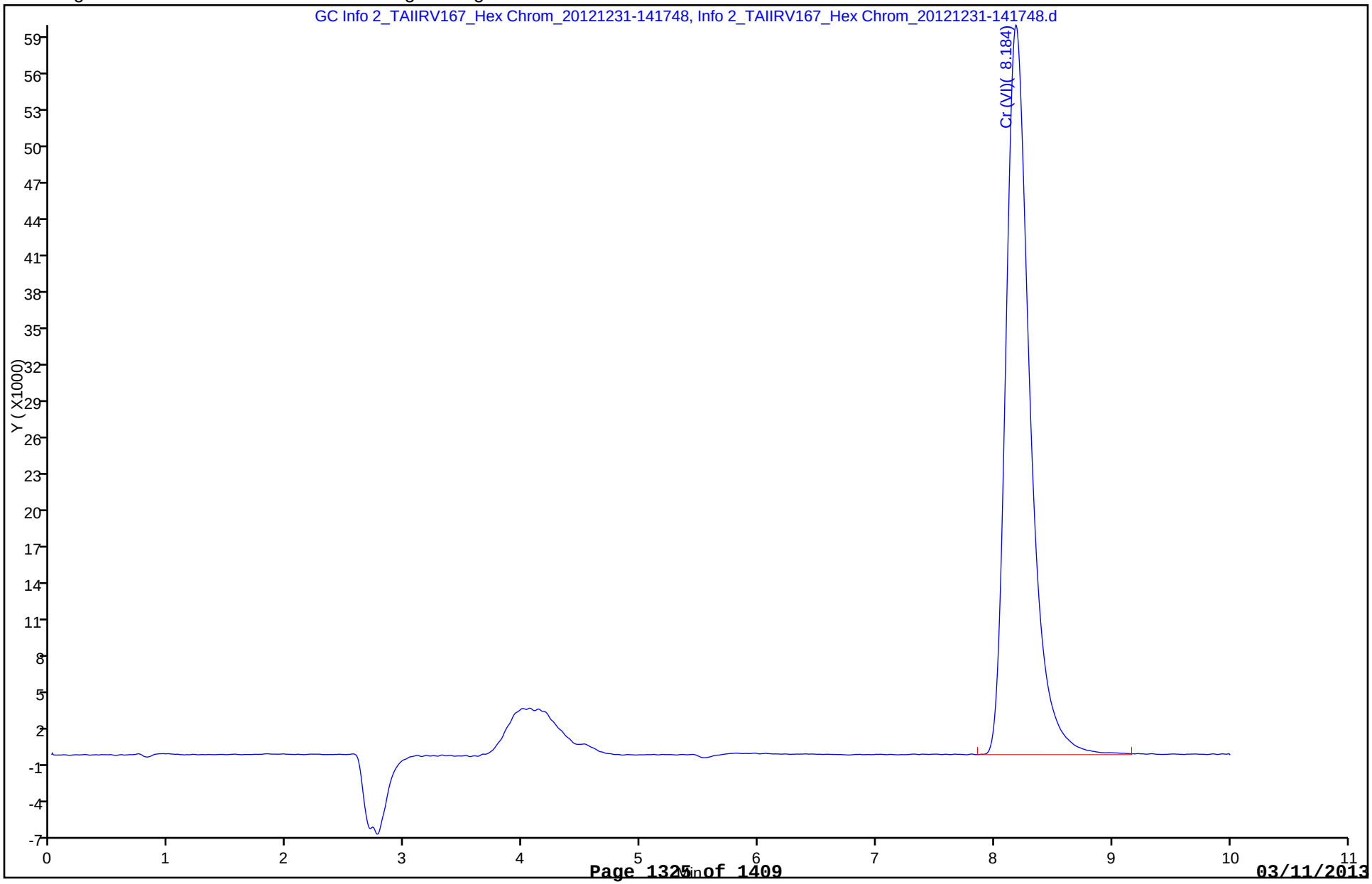
Report Date: 31-Dec-2012 14:28:28 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Irvine

Data File: \\Irvchrom\ChromData\IC16\20121231-16916.b\Info 2_TAIIRV167_Hex Chrom_20121231-141748.d

Injection Date:	31-Dec-2012 14:05:00	Limit Group:	IC-7199
Client ID:		Instrument ID:	IC-16
Lims Batch ID:	76371	Lims Sample ID:	8
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.: 480-30106-1
SDG No.:
Client Sample ID: OC-SB-514-15/17-XXX MS
Lab Sample ID: 480-30106-6 MS
Matrix: Solid
Lab File ID: Info 2_TAIIRV167_Hex
Analysis Method: 7199
Date Collected: 12/12/2012 09:20
Extraction Method: 3060A
Date Extracted: 12/27/2012 09:26
Sample wt/vol: 1.24(g)
Date Analyzed: 01/01/2013 17:15
Con. Extract Vol.: 50(mL)
Dilution Factor: 10
Injection Volume: 1(uL)
GC Column: AS7 ID: 4(mm)
% Moisture: 8.0
GPC Cleanup:(Y/N) N
Analysis Batch No.: 76481
Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
18540-29-9	Cr (VI)	13.1		0.22	0.16

TestAmerica Irvine
Target Compound Quantitation Report

Data File:	\\Irvchrom\ChromData\IC16\20130101-16934.b\Info 2_TAIIRV167_Hex Chrom_20130101-172829.d		
Lims ID:	480-30106-A-6-R MS	Client ID:	OC-SB-514-15/17-XMS
Inject. Date:	01-Jan-2013 17:15:00	Dil. Factor:	10.0000
Sample Type:	MS		
Sample ID:	440-0016934-006		
Misc. Info.:	440-0016934-006		
Operator:	irvinorg	Instrument ID:	IC-16
Injection Vol:	1.0 ul	ALS Bottle#:	0
Lims Batch ID:	76481	Lims Sample ID:	6
Raw Data:	Smoothed		
Detector:	GC Info 2_TAIIRV167_Hex Chrom_20130101-172829		
Method:	\\Irvchrom\ChromData\IC16\20130101-16934.b\218.6_16.m		
Method Label:	HEX CHROME		
Last Update:	01-Jan-2013 19:04:49	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:	XAWRK003		

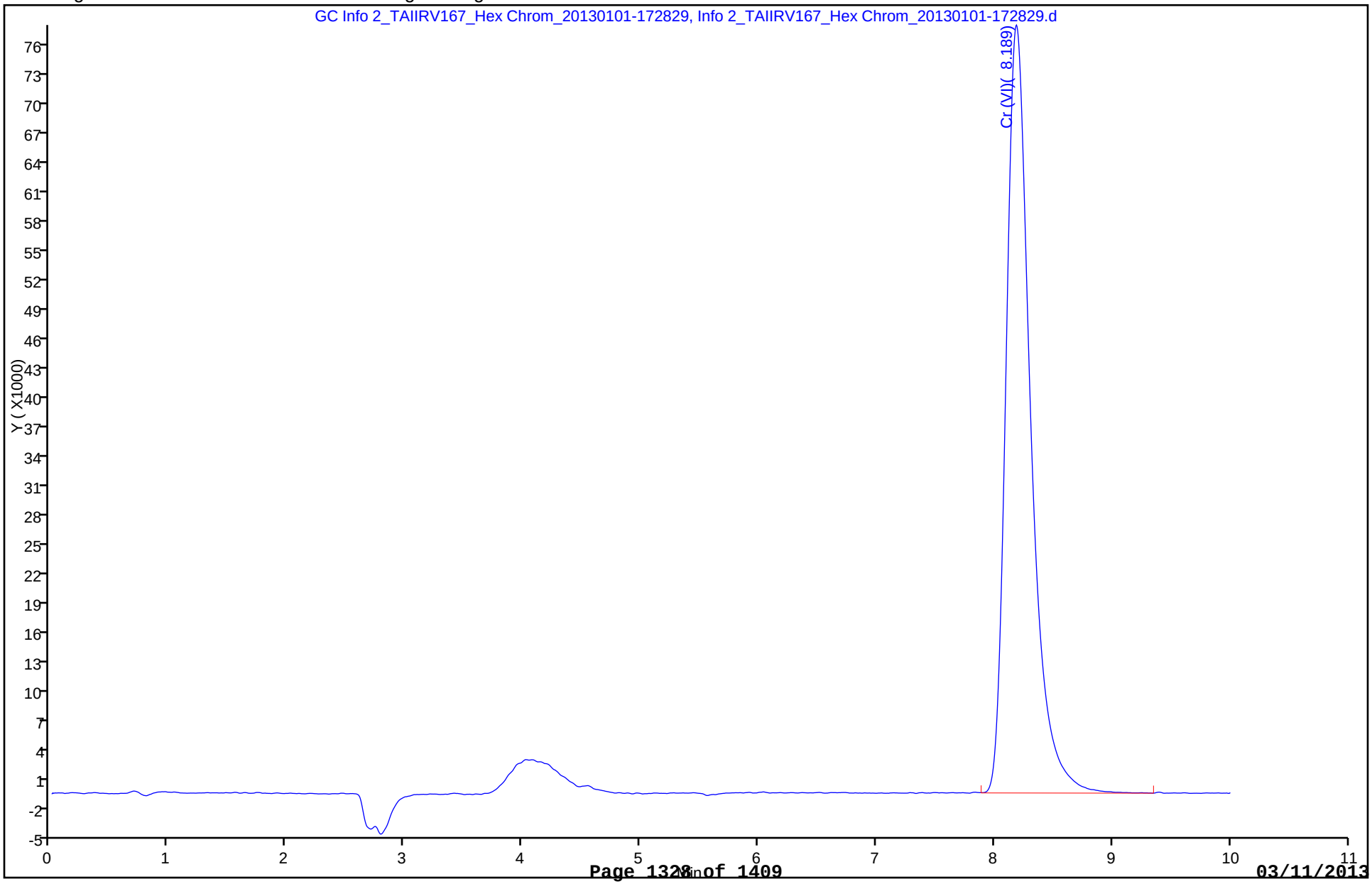
Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
1 Cr (VI)	8.189	8.262	-0.073	1131811	29.8	

Report Date: 01-Jan-2013 19:04:54 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Irvine

Data File:	\\Irvchrom\ChromData\IC16\20130101-16934.b\Info 2_TAIIRV167_Hex Chrom_20130101-172829.d		
Injection Date:	01-Jan-2013 17:15:00	Limit Group:	IC-7199
Client ID:	OC-SB-514-15/17-XMS	Instrument ID:	IC-16
Lims Batch ID:	76481	Lims Sample ID:	6
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.: 480-30106-1
SDG No.:
Client Sample ID: OC-SB-513-0.0/1.0-XXX MSD
Lab Sample ID: 480-30106-1 MSD
Matrix: Solid
Lab File ID: Info 2_TAIIRV167_Hex
Analysis Method: 7199
Date Collected: 12/12/2012 08:20
Extraction Method: 3060A
Date Extracted: 12/27/2012 09:26
Sample wt/vol: 1.26(g)
Date Analyzed: 12/31/2012 14:17
Con. Extract Vol.: 50(mL)
Dilution Factor: 10
Injection Volume: 1(uL)
GC Column: AS7 ID: 4(mm)
% Moisture: 13.1
GPC Cleanup:(Y/N) N
Analysis Batch No.: 76371
Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
18540-29-9	Cr (VI)	9.97		0.23	0.17

TestAmerica Irvine
Target Compound Quantitation Report

Data File:	\\Irvchrom\ChromData\IC16\20121231-16916.b\Info 2_TAIIRV167_Hex Chrom_20121231-143028.d		
Lims ID:	480-30106-A-1-G MSD	Client ID:	
Inject. Date:	31-Dec-2012 14:17:00	Dil. Factor:	10.0000
Sample Type:	MSD		
Sample ID:	440-0016916-009		
Misc. Info.:	440-0016916-009		
Operator:	irvinorg	Instrument ID:	IC-16
Injection Vol:	1.0 ul	ALS Bottle#:	0
Lims Batch ID:	76371	Lims Sample ID:	9
Raw Data:	Smoothed		
Detector:	GC Info 2_TAIIRV167_Hex Chrom_20121231-143028		
Method:	\\Irvchrom\ChromData\IC16\20121231-16916.b\218.6_16.m		
Method Label:	HEX CHROME		
Last Update:	31-Dec-2012 18:24:38	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:	XAWRK004		

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
1 Cr (VI)	8.189	8.262	-0.073	830881	21.8	

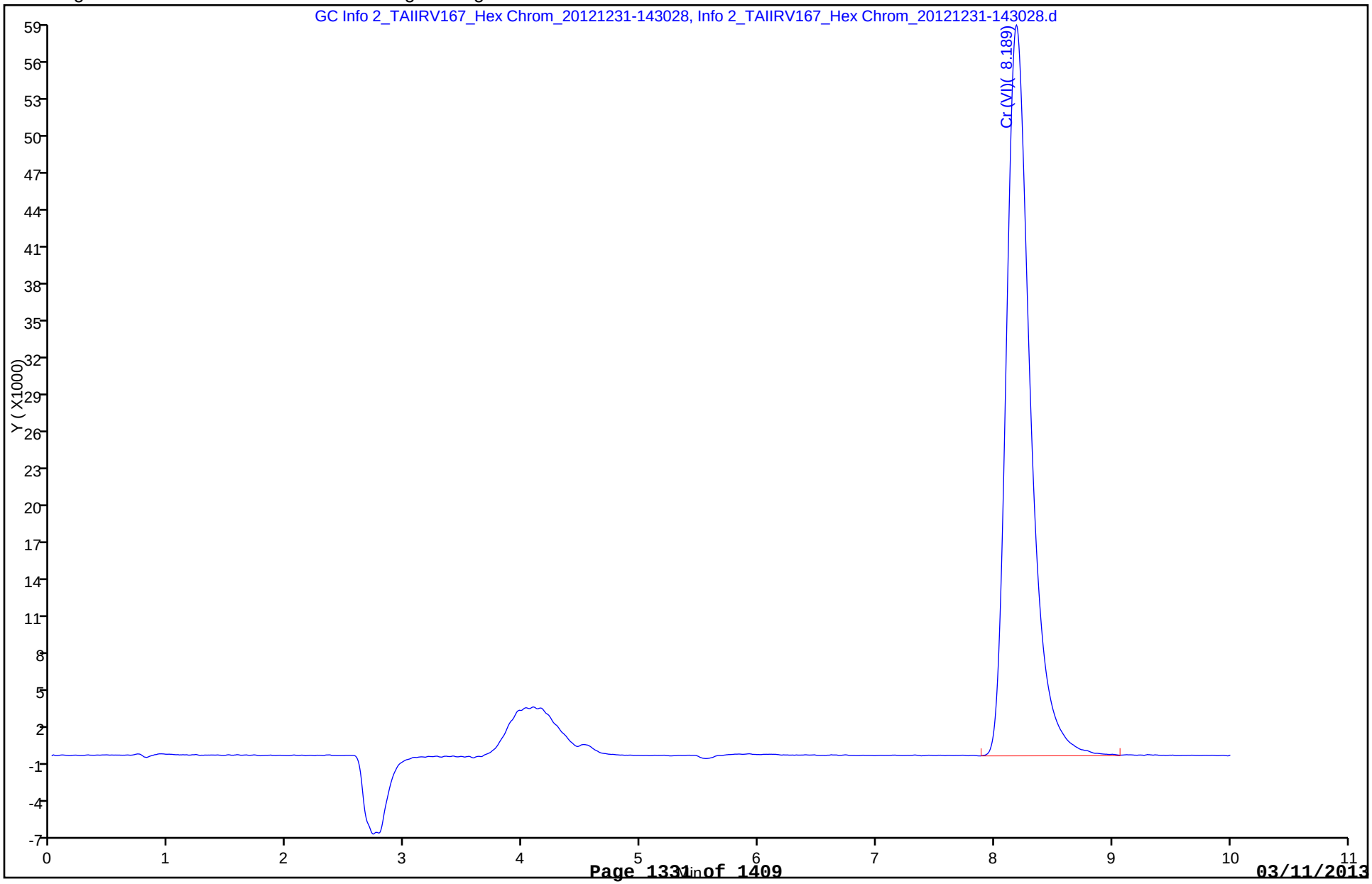
Report Date: 31-Dec-2012 17:49:11 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Irvine

Data File: \\Irvchrom\ChromData\IC16\20121231-16916.b\Info 2_TAIIRV167_Hex Chrom_20121231-143028.d

Injection Date:	31-Dec-2012 14:17:00	Limit Group:	IC-7199
Client ID:		Instrument ID:	IC-16
Lims Batch ID:	76371	Lims Sample ID:	9
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.: 480-30106-1
SDG No.:
Client Sample ID: OC-SB-514-15/17-XXX MSD
Lab Sample ID: 480-30106-6 MSD
Matrix: Solid
Lab File ID: Info 2_TAIIRV167_Hex
Analysis Method: 7199
Date Collected: 12/12/2012 09:20
Extraction Method: 3060A
Date Extracted: 12/27/2012 09:26
Sample wt/vol: 1.26(g)
Date Analyzed: 01/01/2013 17:28
Con. Extract Vol.: 50(mL)
Dilution Factor: 10
Injection Volume: 1(uL)
GC Column: AS7 ID: 4(mm)
% Moisture: 8.0
GPC Cleanup:(Y/N) N
Analysis Batch No.: 76481
Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
18540-29-9	Cr (VI)	13.1		0.22	0.16

TestAmerica Irvine
Target Compound Quantitation Report

Data File:	\\Irvchrom\ChromData\IC16\20130101-16934.b\Info 2_TAIIRV167_Hex Chrom_20130101-174109.d		
Lims ID:	480-30106-A-6-S MSD	Client ID:	OC-SB-514-15/17-MDS
Inject. Date:	01-Jan-2013 17:28:00	Dil. Factor:	10.0000
Sample Type:	MSD		
Sample ID:	440-0016934-007		
Misc. Info.:	440-0016934-007		
Operator:	irvinorg	Instrument ID:	IC-16
Injection Vol:	1.0 ul	ALS Bottle#:	0
Lims Batch ID:	76481	Lims Sample ID:	7
Raw Data:	Smoothed		
Detector:	GC Info 2_TAIIRV167_Hex Chrom_20130101-174109		
Method:	\\Irvchrom\ChromData\IC16\20130101-16934.b\218.6_16.m		
Method Label:	HEX CHROME		
Last Update:	01-Jan-2013 19:04:49	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:	XAWRK003		

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
1 Cr (VI)	8.205	8.262	-0.057	1157367	30.5	

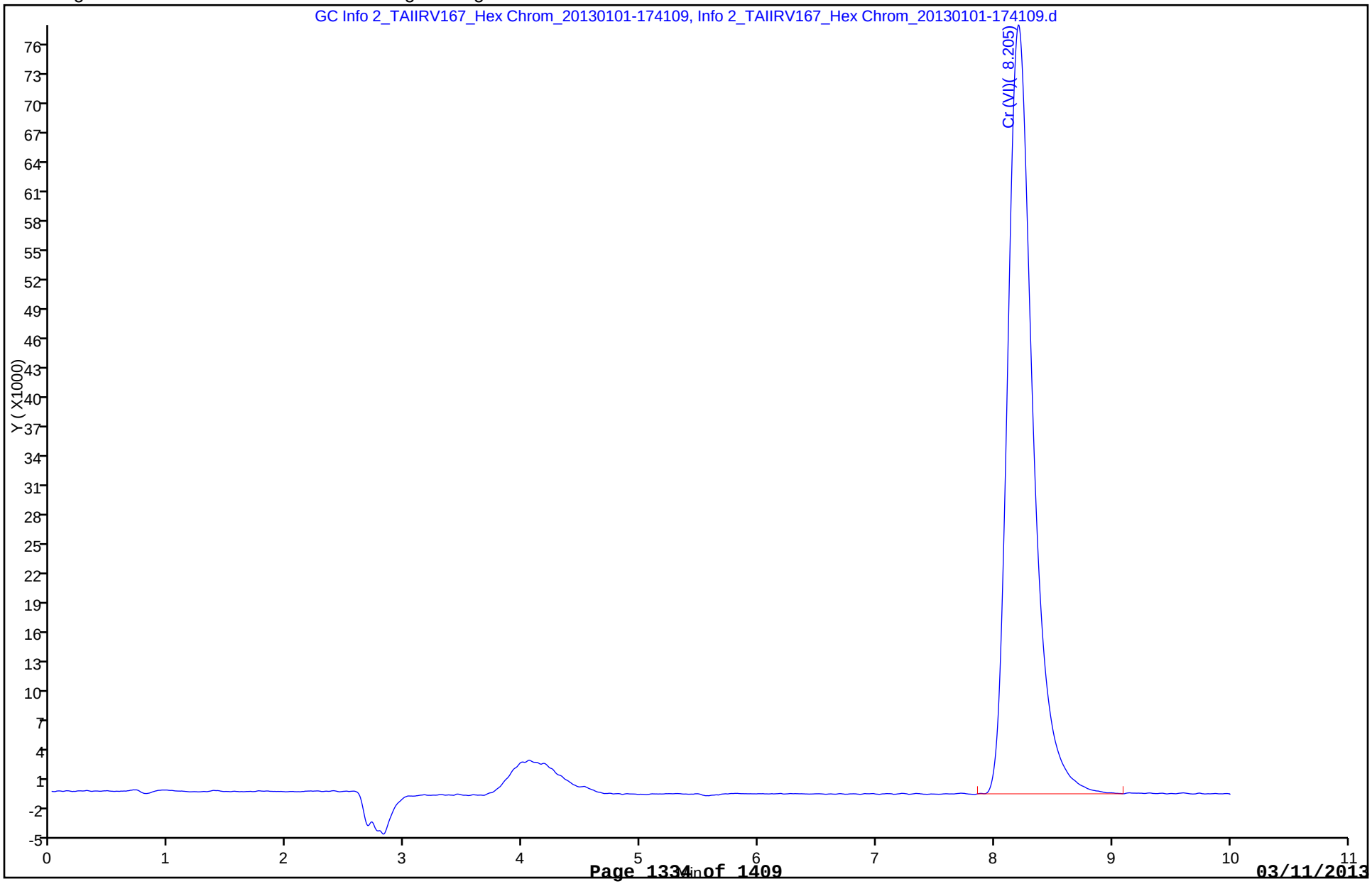
Report Date: 01-Jan-2013 19:04:54 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Irvine

Data File: \\Irvchrom\ChromData\IC16\20130101-16934.b\Info 2_TAIIRV167_Hex Chrom_20130101-174109.d

Injection Date:	01-Jan-2013 17:28:00	Limit Group:	IC-7199
Client ID:	OC-SB-514-15/17-MDS	Instrument ID:	IC-16
Lims Batch ID:	76481	Lims Sample ID:	7
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.: 480-30106-1
SDG No.:
Client Sample ID: OC-SB-513-0.0/1.0-XXX MSI
Lab Sample ID: 480-30106-1 MSI
Matrix: Solid
Lab File ID: Info 2_TAIIRV167_Hex
Analysis Method: 7199
Date Collected: 12/12/2012 08:20
Extraction Method: 3060A
Date Extracted: 12/27/2012 09:26
Sample wt/vol: 1.26(g)
Date Analyzed: 12/31/2012 14:30
Con. Extract Vol.: 50(mL)
Dilution Factor: 1000
Injection Volume: 1(uL)
GC Column: AS7 ID: 4(mm)
% Moisture: 13.1
GPC Cleanup:(Y/N) N
Analysis Batch No.: 76371
Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
18540-29-9	Cr (VI)	1570		23	17

TestAmerica Irvine
Target Compound Quantitation Report

Data File:	\\Irvchrom\ChromData\IC16\20121231-16916.b\Info 2_TAIIRV167_Hex Chrom_20121231-144308.d		
Lims ID:	MSI	Client ID:	
Inject. Date:	31-Dec-2012 14:30:00	Dil. Factor:	1000.0000
Sample Type:	Client		
Sample ID:	440-0016916-010		
Misc. Info.:	440-0016916-010		
Operator:	irvinorg	Instrument ID:	IC-16
Injection Vol:	1.0 ul	ALS Bottle#:	0
Lims Batch ID:	76371	Lims Sample ID:	10
Raw Data:	Smoothed		
Detector:	GC Info 2_TAIIRV167_Hex Chrom_20121231-144308		
Method:	\\Irvchrom\ChromData\IC16\20121231-16916.b\218.6_16.m		
Method Label:	HEX CHROME		
Last Update:	31-Dec-2012 18:24:38	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:	XAWRK004		

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
1 Cr (VI)	8.251	8.262	-0.011	1303679	34.3	

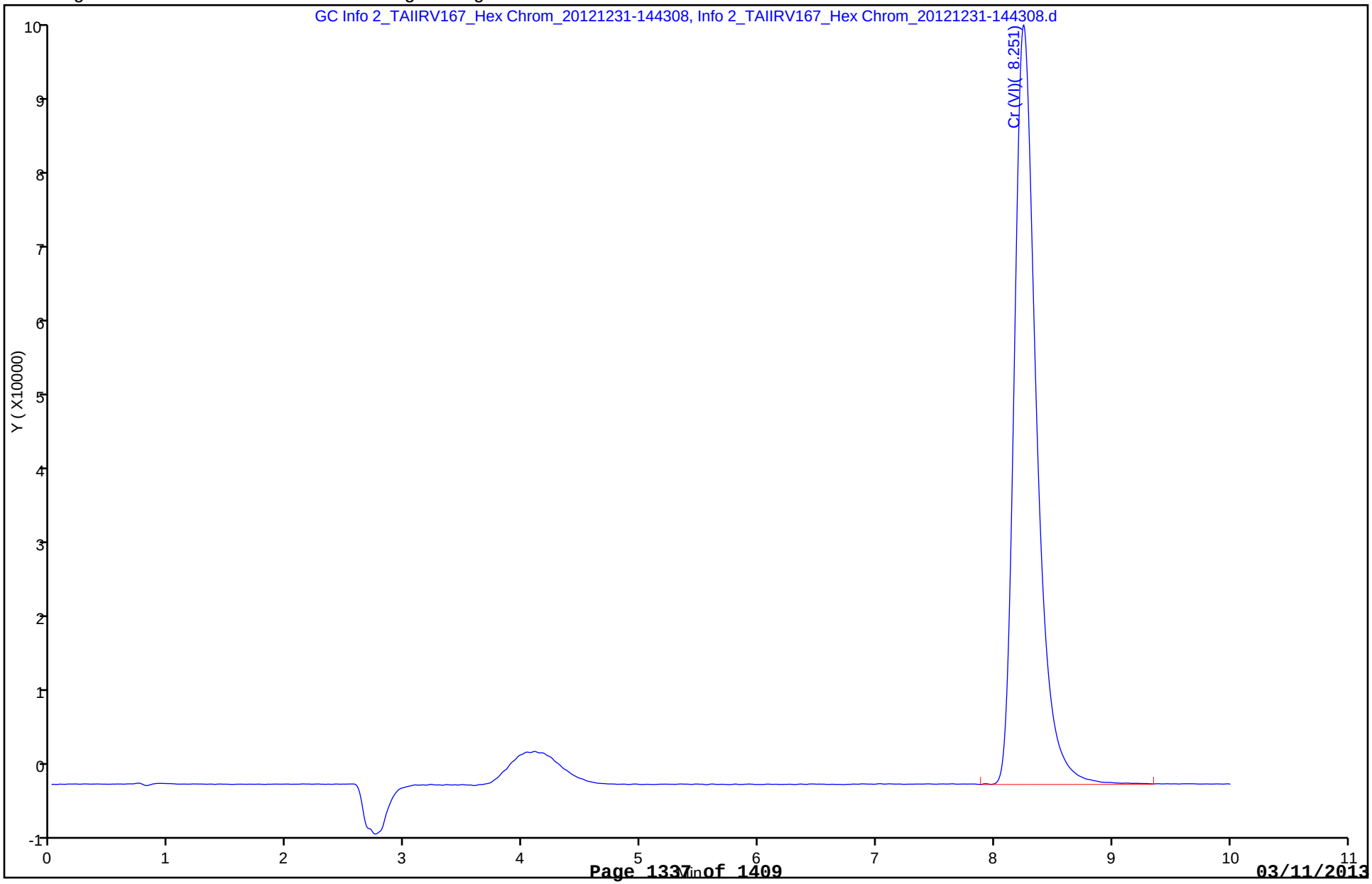
Report Date: 31-Dec-2012 17:49:12 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Irvine

Data File: \\Irvchrom\ChromData\IC16\20121231-16916.b\Info 2_TAIIRV167_Hex Chrom_20121231-144308.d

Injection Date:	31-Dec-2012 14:30:00	Limit Group:	IC-7199
Client ID:		Instrument ID:	IC-16
Lims Batch ID:	76371	Lims Sample ID:	10
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.: 480-30106-1
SDG No.:
Client Sample ID: OC-SB-514-15/17-XXX MSI
Lab Sample ID: 480-30106-6 MSI
Matrix: Solid
Lab File ID: Info 2_TAIIRV167_Hex
Analysis Method: 7199
Date Collected: 12/12/2012 09:20
Extraction Method: 3060A
Date Extracted: 12/27/2012 09:26
Sample wt/vol: 1.26(g)
Date Analyzed: 01/01/2013 17:41
Con. Extract Vol.: 50(mL)
Dilution Factor: 1000
Injection Volume: 1(uL)
GC Column: AS7 ID: 4(mm)
% Moisture: 8.0
GPC Cleanup:(Y/N) N
Analysis Batch No.: 76481
Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
18540-29-9	Cr (VI)	1670		22	16

TestAmerica Irvine
Target Compound Quantitation Report

Data File:	\\Irvchrom\ChromData\IC16\20130101-16934.b\Info 2_TAIIRV167_Hex Chrom_20130101-175348.d		
Lims ID:	MSI	Client ID:	
Inject. Date:	01-Jan-2013 17:41:00	Dil. Factor:	1000.0000
Sample Type:	Client		
Sample ID:	440-0016934-008		
Misc. Info.:	440-0016934-008		
Operator:	irvinorg	Instrument ID:	IC-16
Injection Vol:	1.0 ul	ALS Bottle#:	0
Lims Batch ID:	76481	Lims Sample ID:	8
Raw Data:	Smoothed		
Detector:	GC Info 2_TAIIRV167_Hex Chrom_20130101-175348		
Method:	\\Irvchrom\ChromData\IC16\20130101-16934.b\218.6_16.m		
Method Label:	HEX CHROME		
Last Update:	01-Jan-2013 19:04:49	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:	XAWRK003		

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
1 Cr (VI)	8.293	8.262	0.031	1468908	38.7	

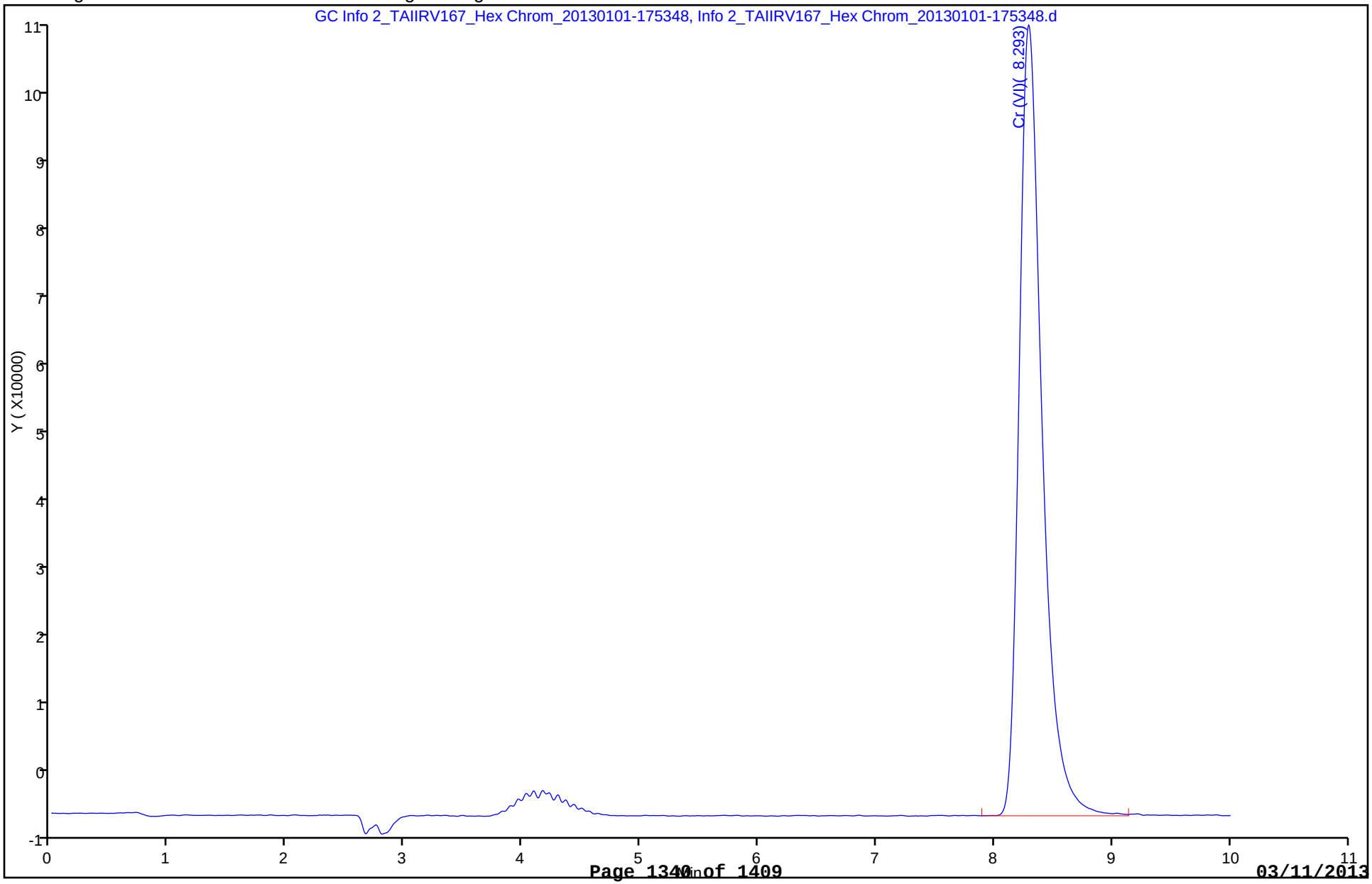
Report Date: 01-Jan-2013 19:04:55 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Irvine

Data File: \\Irvchrom\ChromData\IC16\20130101-16934.b\Info 2_TAIIRV167_Hex Chrom_20130101-175348.d

Injection Date:	01-Jan-2013 17:41:00	Limit Group:	IC-7199
Client ID:		Instrument ID:	IC-16
Lims Batch ID:	76481	Lims Sample ID:	8
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.: 480-30106-1

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_HexChrom_20121228-092425.d	AS7 4(mm)
STD3 440-75938/22 IC		12/28/2012 09:24	1	Info 2_TAIIRV167_HexChrom_20121228-093704.d	AS7 4(mm)
STD4 440-75938/23 IC		12/28/2012 09:37	1	Info 2_TAIIRV167_HexChrom_20121228-094945.d	AS7 4(mm)
STD5 440-75938/24 IC		12/28/2012 09:49	1	Info 2_TAIIRV167_HexChrom_20121228-100225.d	AS7 4(mm)
STD6 440-75938/25 IC		12/28/2012 10:02	1	Info 2_TAIIRV167_HexChrom_20121228-101504.d	AS7 4(mm)
STD7 440-75938/26 IC		12/28/2012 10:15	1	Info 2_TAIIRV167_HexChrom_20121228-102746.d	AS7 4(mm)
STD8 440-75938/27 IC		12/28/2012 10:27	1	Info 2_TAIIRV167_HexChrom_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_HexChrom_20121228-111406.d	AS7 4(mm)

7199

HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica Irvine Job No.: 480-30106-1

SDG No.:

Instrument ID: IC-16 Start Date: 12/31/2012 12:36

Analysis Batch Number: 76371 End Date: 12/31/2012 20:06

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		12/31/2012 12:36	1		AS7 4(mm)
ZZZZZ		12/31/2012 12:49	1		AS7 4(mm)
ZZZZZ		12/31/2012 13:01	1		AS7 4(mm)
ZZZZZ		12/31/2012 13:14	1		AS7 4(mm)
MB 440-75585/1-A		12/31/2012 13:27	10	Info 2_TAIIRV167_Hex Chrom_20121231-133944.d	AS7 4(mm)
LCS 440-75585/2-A		12/31/2012 13:39	10	Info 2_TAIIRV167_Hex Chrom_20121231-135226.d	AS7 4(mm)
480-30106-1	OC-SB-513-0.0/1.0-XXX	12/31/2012 13:52	10	Info 2_TAIIRV167_Hex Chrom_20121231-140508.d	AS7 4(mm)
480-30106-1 MS	OC-SB-513-0.0/1.0-XXX MS	12/31/2012 14:05	10	Info 2_TAIIRV167_Hex Chrom_20121231-141748.d	AS7 4(mm)
480-30106-1 MSD	OC-SB-513-0.0/1.0-XXX MSD	12/31/2012 14:17	10	Info 2_TAIIRV167_Hex Chrom_20121231-143028.d	AS7 4(mm)
480-30106-1 MSI	OC-SB-513-0.0/1.0-XXX MSI	12/31/2012 14:30	1000	Info 2_TAIIRV167_Hex Chrom_20121231-144308.d	AS7 4(mm)
480-30106-2	OC-SB-513-7.0/9.0-XXX	12/31/2012 14:43	10	Info 2_TAIIRV167_Hex Chrom_20121231-145548.d	AS7 4(mm)
480-30106-3	OC-SB-513-10/12-XXX	12/31/2012 14:55	10	Info 2_TAIIRV167_Hex Chrom_20121231-150829.d	AS7 4(mm)
480-30106-4	OC-SB-514-0.0/1.0-XXX	12/31/2012 15:08	10	Info 2_TAIIRV167_Hex Chrom_20121231-152108.d	AS7 4(mm)
480-30106-5	OC-SB-514-7.0/9.0-XXX	12/31/2012 15:21	10	Info 2_TAIIRV167_Hex Chrom_20121231-153349.d	AS7 4(mm)
CCB 440-76371/15		12/31/2012 15:33	1	Info 2_TAIIRV167_Hex Chrom_20121231-154630.d	AS7 4(mm)
CCV 440-76371/16		12/31/2012 15:46	1	Info 2_TAIIRV167_Hex Chrom_20121231-155911.d	AS7 4(mm)
ZZZZZ		12/31/2012 16:03	1		AS7 4(mm)
ZZZZZ		12/31/2012 16:20	1		AS7 4(mm)
ZZZZZ		12/31/2012 16:33	1		AS7 4(mm)
ZZZZZ		12/31/2012 16:45	1		AS7 4(mm)
ZZZZZ		12/31/2012 16:58	1		AS7 4(mm)
CCV 440-76371/22		12/31/2012 17:11	1		AS7 4(mm)
CCB 440-76371/23		12/31/2012 17:23	1		AS7 4(mm)

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HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica Irvine Job No.: 480-30106-1

SDG No.:

Instrument ID: IC-16 Start Date: 12/31/2012 12:36

Analysis Batch Number: 76371 End Date: 12/31/2012 20:06

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		12/31/2012 17:59	10		AS7 4(mm)
ZZZZZ		12/31/2012 18:12	10		AS7 4(mm)
ZZZZZ		12/31/2012 18:24	10		AS7 4(mm)
ZZZZZ		12/31/2012 18:37	1000		AS7 4(mm)
ZZZZZ		12/31/2012 18:50	10		AS7 4(mm)
ZZZZZ		12/31/2012 19:02	10		AS7 4(mm)
ZZZZZ		12/31/2012 19:15	10		AS7 4(mm)
ZZZZZ		12/31/2012 19:28	10		AS7 4(mm)
ZZZZZ		12/31/2012 19:40	10		AS7 4(mm)
ZZZZZ		12/31/2012 19:53	10		AS7 4(mm)
CCV 440-76371/34		12/31/2012 20:06	1		AS7 4(mm)

HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica Irvine Job No.: 480-30106-1

SDG No.:

Instrument ID: IC-16 Start Date: 01/01/2013 16:01

Analysis Batch Number: 76481 End Date: 01/02/2013 00:38

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		01/01/2013 16:01	1		AS7 4(mm)
ZZZZZ		01/01/2013 16:14	1		AS7 4(mm)
ZZZZZ		01/01/2013 16:28	1		AS7 4(mm)
ZZZZZ		01/01/2013 16:41	1		AS7 4(mm)
480-30106-6	OC-SB-514-15/17-XXX	01/01/2013 17:03	10	Info 2_TAIIRV167_HexChrom_20130101-171550.d	AS7 4(mm)
480-30106-6 MS	OC-SB-514-15/17-XXX MS	01/01/2013 17:15	10	Info 2_TAIIRV167_HexChrom_20130101-172829.d	AS7 4(mm)
480-30106-6 MSD	OC-SB-514-15/17-XXX MSD	01/01/2013 17:28	10	Info 2_TAIIRV167_HexChrom_20130101-174109.d	AS7 4(mm)
480-30106-6 MSI	OC-SB-514-15/17-XXX MSI	01/01/2013 17:41	1000	Info 2_TAIIRV167_HexChrom_20130101-175348.d	AS7 4(mm)
480-30106-13	OC-SB-517-0.0/1.0-XXX	01/01/2013 17:53	10	Info 2_TAIIRV167_HexChrom_20130101-180628.d	AS7 4(mm)
480-30106-14	OC-SB-517-6.0/8.0-XXX	01/01/2013 18:06	10	Info 2_TAIIRV167_HexChrom_20130101-181907.d	AS7 4(mm)
480-30106-15	OC-SB-517-18/20-XXX	01/01/2013 18:19	10	Info 2_TAIIRV167_HexChrom_20130101-183147.d	AS7 4(mm)
480-30106-16	OC-SB-524-0.0/1.0-XXX	01/01/2013 18:31	10	Info 2_TAIIRV167_HexChrom_20130101-184426.d	AS7 4(mm)
480-30106-17	OC-SB-524-8.0/10-XXX	01/01/2013 18:44	10	Info 2_TAIIRV167_HexChrom_20130101-185705.d	AS7 4(mm)
480-30106-18	OC-SB-524-27/29-XXX	01/01/2013 18:57	10	Info 2_TAIIRV167_HexChrom_20130101-190945.d	AS7 4(mm)
CCV 440-76481/15		01/01/2013 19:09	1	Info 2_TAIIRV167_HexChrom_20130101-192224.d	AS7 4(mm)
CCB 440-76481/16		01/01/2013 19:22	1	Info 2_TAIIRV167_HexChrom_20130101-193503.d	AS7 4(mm)
480-30106-19	OC-SB-523-0.0/1.0-XXX	01/01/2013 19:35	10	Info 2_TAIIRV167_HexChrom_20130101-194743.d	AS7 4(mm)
480-30106-20	OC-SB-523-6.0/8.0-XXX	01/01/2013 19:47	10	Info 2_TAIIRV167_HexChrom_20130101-200022.d	AS7 4(mm)

HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica Irvine Job No.: 480-30106-1

SDG No.:

Instrument ID: IC-16 Start Date: 01/01/2013 16:01

Analysis Batch Number: 76481 End Date: 01/02/2013 00:38

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
480-30106-21	OC-SB-523-22/24-XXX	01/01/2013 20:00	10	Info 2_TAIIRV167_Hex Chrom_20130101-201302.d	AS7 4(mm)
480-30106-22	OC-DUP-4	01/01/2013 20:13	10	Info 2_TAIIRV167_Hex Chrom_20130101-202541.d	AS7 4(mm)
ZZZZZ		01/01/2013 20:25	10		AS7 4(mm)
ZZZZZ		01/01/2013 20:38	10		AS7 4(mm)
ZZZZZ		01/01/2013 20:51	10		AS7 4(mm)
ZZZZZ		01/01/2013 21:03	10		AS7 4(mm)
CCV 440-76481/25		01/01/2013 21:16	1	Info 2_TAIIRV167_Hex Chrom_20130101-212857.d	AS7 4(mm)
CCB 440-76481/26		01/01/2013 21:29	1	Info 2_TAIIRV167_Hex Chrom_20130101-214136.d	AS7 4(mm)
ZZZZZ		01/01/2013 21:41	10		AS7 4(mm)
ZZZZZ		01/01/2013 21:54	10		AS7 4(mm)
ZZZZZ		01/01/2013 22:06	10		AS7 4(mm)
ZZZZZ		01/01/2013 22:19	10		AS7 4(mm)
ZZZZZ		01/01/2013 22:32	10		AS7 4(mm)
ZZZZZ		01/01/2013 22:44	1000		AS7 4(mm)
ZZZZZ		01/01/2013 22:57	10		AS7 4(mm)
ZZZZZ		01/01/2013 23:10	10		AS7 4(mm)
ZZZZZ		01/01/2013 23:22	10		AS7 4(mm)
ZZZZZ		01/01/2013 23:35	10		AS7 4(mm)
CCV 440-76481/37		01/01/2013 23:48	1		AS7 4(mm)
CCB 440-76481/38		01/02/2013 00:00	1		AS7 4(mm)
ZZZZZ		01/02/2013 00:13	10		AS7 4(mm)
CCV 440-76481/40		01/02/2013 00:26	1		AS7 4(mm)
CCB 440-76481/41		01/02/2013 00:38	1		AS7 4(mm)

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HPLC/IC BATCH WORKSHEET

Lab Name: TestAmerica Irvine Job No.: 480-30106-1

SDG No.:

Batch Number: 75585 Batch Start Date: 12/27/12 09:26 Batch Analyst: Pham, Quynh D

Batch Method: 3060A Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	WCCR6LCS50PPM 00010	WCPBCRO4 00003		
MB 440-75585/1		3060A, 7199		1.26 g	50 mL				
LCS 440-75585/2		3060A, 7199		1.26 g	50 mL	0.4 mL			
480-30106-A-1	OC-SB-513-0.0/1.0-XXX	3060A, 7199	T	1.25 g	50 mL				
480-30106-A-1 MS	OC-SB-513-0.0/1.0-XXX	3060A, 7199	T	1.24 g	50 mL	0.4 mL			
480-30106-A-1 MSD	OC-SB-513-0.0/1.0-XXX	3060A, 7199	T	1.26 g	50 mL	0.4 mL			
480-30106-A-1 MSI	OC-SB-513-0.0/1.0-XXX	3060A, 7199	T	1.26 g	50 mL		18.9 mg		
480-30106-A-2	OC-SB-513-7.0/9.0-XXX	3060A, 7199	T	1.26 g	50 mL				
480-30106-A-3	OC-SB-513-10/12-XXX	3060A, 7199	T	1.26 g	50 mL				
480-30106-A-4	OC-SB-514-0.0/1.0-XXX	3060A, 7199	T	1.26 g	50 mL				
480-30106-A-5	OC-SB-514-7.0/9.0-XXX	3060A, 7199	T	1.24 g	50 mL				
480-30106-A-6	OC-SB-514-15/17-XXX	3060A, 7199	T	1.24 g	50 mL				
480-30106-A-6 MS	OC-SB-514-15/17-XXX	3060A, 7199	T	1.24 g	50 mL	0.4 mL			
480-30106-A-6 MSD	OC-SB-514-15/17-XXX	3060A, 7199	T	1.26 g	50 mL	0.4 mL			
480-30106-A-6 MSI	OC-SB-514-15/17-XXX	3060A, 7199	T	1.26 g	50 mL		16.2 mg		
480-30106-A-13	OC-SB-517-0.0/1.0-XXX	3060A, 7199	T	1.25 g	50 mL				
480-30106-A-14	OC-SB-517-6.0/8.0-XXX	3060A, 7199	T	1.25 g	50 mL				
480-30106-A-15	OC-SB-517-18/20-XXX	3060A, 7199	T	1.24 g	50 mL				
480-30106-A-16	OC-SB-524-0.0/1.0-XXX	3060A, 7199	T	1.24 g	50 mL				
480-30106-A-17	OC-SB-524-8.0/10-XXX	3060A, 7199	T	1.24 g	50 mL				
480-30106-A-18	OC-SB-524-27/29-XXX	3060A, 7199	T	1.26 g	50 mL				
480-30106-A-19	OC-SB-523-0.0/1.0-XXX	3060A, 7199	T	1.24 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.: 480-30106-1

SDG No.:

Batch Number: 75585 Batch Start Date: 12/27/12 09:26 Batch Analyst: Pham, Quynh D

Batch Method: 3060A Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	WCCR6LCS50PPM 00010	WCPBCRO4 00003		
480-30106-A-20	OC-SB-523-6.0/8.0-XXX	3060A, 7199	T	1.25 g	50 mL				
480-30106-A-21	OC-SB-523-22/24-XXX	3060A, 7199	T	1.24 g	50 mL				
480-30106-A-22	OC-DUP-4	3060A, 7199	T	1.24 g	50 mL				

Batch Notes	
Alkaline Digestion Solution Reagent ID	813202
First End time	12:45
Potassium Chromate Lot #	199371
Potassium Chromate Vendor ID	199371
Potassium Phosphate Buffer Reagent ID	812744
Lead Chromate Lot #	035232
Lead Chromate Vendor ID	035232
Magnesium Chloride Lot Number	027333
Magnesium Chloride Vendor	027333
First Start time	11:45
Ending Temperature	94 Celsius
Starting Temperature	94 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: 480-30106-1

SDG No.:

Project: Olin Chemical Wilmington MA Superfund

Client Sample ID	Lab Sample ID
OC-SB-513-0.0/1.0-XXX	480-30106-1
OC-SB-513-7.0/9.0-XXX	480-30106-2
OC-SB-513-10/12-XXX	480-30106-3
OC-SB-514-0.0/1.0-XXX	480-30106-4
OC-SB-514-7.0/9.0-XXX	480-30106-5
OC-SB-514-15/17-XXX	480-30106-6
OC-SB-515-6.0/8.0-XXX	480-30106-8
OC-SB-515-13/15-XXX	480-30106-9
OC-SB-516-6.0/8.0-XXX	480-30106-11
OC-SB-516-15/17-XXX	480-30106-12
OC-SB-517-0.0/1.0-XXX	480-30106-13
OC-SB-517-6.0/8.0-XXX	480-30106-14
OC-SB-517-18/20-XXX	480-30106-15
OC-SB-524-0.0/1.0-XXX	480-30106-16
OC-SB-524-8.0/10-XXX	480-30106-17
OC-SB-524-27/29-XXX	480-30106-18
OC-SB-523-0.0/1.0-XXX	480-30106-19
OC-SB-523-6.0/8.0-XXX	480-30106-20
OC-SB-523-22/24-XXX	480-30106-21
OC-DUP-4	480-30106-22

Comments:

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Westfield Job Number: 480-30106-1

SDG No.:

Project: Olin Chemical Wilmington MA Superfund

Client Sample ID	Lab Sample ID
OC-SB-513-0.0/1.0-XXX	480-30106-1
OC-SB-513-7.0/9.0-XXX	480-30106-2
OC-SB-513-10/12-XXX	480-30106-3
OC-SB-514-0.0/1.0-XXX	480-30106-4
OC-SB-514-7.0/9.0-XXX	480-30106-5
OC-SB-514-15/17-XXX	480-30106-6
OC-SB-517-0.0/1.0-XXX	480-30106-13
OC-SB-517-6.0/8.0-XXX	480-30106-14
OC-SB-517-18/20-XXX	480-30106-15
OC-SB-524-0.0/1.0-XXX	480-30106-16
OC-SB-524-8.0/10-XXX	480-30106-17
OC-SB-524-27/29-XXX	480-30106-18
OC-SB-523-0.0/1.0-XXX	480-30106-19
OC-SB-523-6.0/8.0-XXX	480-30106-20
OC-SB-523-22/24-XXX	480-30106-21
OC-DUP-4	480-30106-22

Comments:

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: OC-SB-513-0.0/1.0-XXX
Lab Sample ID: 480-30106-1
Lab Name: TestAmerica Westfield
Job No.: 480-30106-1
SDG ID.:
Matrix: Solid
Date Sampled: 12/12/2012 08:20
Reporting Basis: WET
Date Received: 12/12/2012 18:00

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	pH	7.30	1.00		SU			1	9045C
	Oxidation Reduction Potential	45	0.010		millivolts			1	SM 2580B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: OC-SB-513-7.0/9.0-XXX
Lab Sample ID: 480-30106-2
Lab Name: TestAmerica Westfield
Job No.: 480-30106-1
SDG ID.:
Matrix: Solid
Date Sampled: 12/12/2012 08:25
Reporting Basis: WET
Date Received: 12/12/2012 18:00

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	pH	6.13	1.00		SU			1	9045C
	Oxidation Reduction Potential	32	0.010		millivolts			1	SM 2580B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: OC-SB-513-10/12-XXX
Lab Sample ID: 480-30106-3
Lab Name: TestAmerica Westfield
Job No.: 480-30106-1
SDG ID.:
Matrix: Solid
Date Sampled: 12/12/2012 08:30
Reporting Basis: WET
Date Received: 12/12/2012 18:00

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	pH	7.08	1.00		SU			1	9045C
	Oxidation Reduction Potential	20	0.010		millivolts			1	SM 2580B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: OC-SB-514-0.0/1.0-XXX
Lab Sample ID: 480-30106-4
Lab Name: TestAmerica Westfield
Job No.: 480-30106-1
SDG ID.:
Matrix: Solid
Date Sampled: 12/12/2012 08:50
Reporting Basis: WET
Date Received: 12/12/2012 18:00

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	pH	4.72	1.00		SU			1	9045C
	Oxidation Reduction Potential	57	0.010		millivolts			1	SM 2580B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: OC-SB-514-7.0/9.0-XXX
Lab Sample ID: 480-30106-5
Lab Name: TestAmerica Westfield
Job No.: 480-30106-1
SDG ID.:
Matrix: Solid
Date Sampled: 12/12/2012 09:00
Reporting Basis: WET
Date Received: 12/12/2012 18:00

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	pH	5.21	1.00		SU			1	9045C
	Oxidation Reduction Potential	27	0.010		millivolts			1	SM 2580B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: OC-SB-514-15/17-XXX
Lab Sample ID: 480-30106-6
Lab Name: TestAmerica Westfield
Job No.: 480-30106-1
SDG ID.:
Matrix: Solid
Date Sampled: 12/12/2012 09:20
Reporting Basis: WET
Date Received: 12/12/2012 18:00

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	pH	6.85	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-517-0.0/1.0-XXX
Lab Sample ID: 480-30106-13
Lab Name: TestAmerica Westfield
Job No.: 480-30106-1
SDG ID.:
Matrix: Solid
Date Sampled: 12/12/2012 12:15
Reporting Basis: WET
Date Received: 12/12/2012 18:00

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	pH	4.82	1.00		SU			1	9045C
	Oxidation Reduction Potential	42	0.010		millivolts			1	SM 2580B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: OC-SB-517-6.0/8.0-XXX
Lab Sample ID: 480-30106-14
Lab Name: TestAmerica Westfield
Job No.: 480-30106-1
SDG ID.:
Matrix: Solid
Date Sampled: 12/12/2012 12:20
Reporting Basis: WET
Date Received: 12/12/2012 18:00

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	pH	5.56	1.00		SU			1	9045C
	Oxidation Reduction Potential	20	0.010		millivolts			1	SM 2580B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: OC-SB-517-18/20-XXX
Lab Sample ID: 480-30106-15
Lab Name: TestAmerica Westfield
Job No.: 480-30106-1
SDG ID.:
Matrix: Solid
Date Sampled: 12/12/2012 12:40
Reporting Basis: WET
Date Received: 12/12/2012 18:00

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	pH	6.36	1.00		SU			1	9045C
	Oxidation Reduction Potential	5.0	0.010		millivolts			1	SM 2580B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: OC-SB-524-0.0/1.0-XXX
Lab Sample ID: 480-30106-16
Lab Name: TestAmerica Westfield
Job No.: 480-30106-1
SDG ID.:
Matrix: Solid
Date Sampled: 12/12/2012 13:10
Reporting Basis: WET
Date Received: 12/12/2012 18:00

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	pH	7.37	1.00		SU			1	9045C
	Oxidation Reduction Potential	7.0	0.010		millivolts			1	SM 2580B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: OC-SB-524-8.0/10-XXX
Lab Sample ID: 480-30106-17
Lab Name: TestAmerica Westfield
Job No.: 480-30106-1
SDG ID.:
Matrix: Solid
Date Sampled: 12/12/2012 13:20
Reporting Basis: WET
Date Received: 12/12/2012 18:00

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	pH	6.78	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-524-27/29-XXX
Lab Sample ID: 480-30106-18
Lab Name: TestAmerica Westfield
Job No.: 480-30106-1
SDG ID.:
Matrix: Solid
Date Sampled: 12/12/2012 13:30
Reporting Basis: WET
Date Received: 12/12/2012 18:00

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	pH	6.89	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-523-0.0/1.0-XXX
Lab Sample ID: 480-30106-19
Lab Name: TestAmerica Westfield
Job No.: 480-30106-1
SDG ID.:
Matrix: Solid
Date Sampled: 12/12/2012 13:45
Reporting Basis: WET
Date Received: 12/12/2012 18:00

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	pH	6.55	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-523-6.0/8.0-XXX
Lab Sample ID: 480-30106-20
Lab Name: TestAmerica Westfield
Job No.: 480-30106-1
SDG ID.:
Matrix: Solid
Date Sampled: 12/12/2012 13:50
Reporting Basis: WET
Date Received: 12/12/2012 18:00

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	pH	6.17	1.00		SU			1	9045C
	Oxidation Reduction Potential	21	0.010		millivolts			1	SM 2580B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: OC-SB-523-22/24-XXX
Lab Sample ID: 480-30106-21
Lab Name: TestAmerica Westfield
Job No.: 480-30106-1
SDG ID.:
Matrix: Solid
Date Sampled: 12/12/2012 14:10
Reporting Basis: WET
Date Received: 12/12/2012 18:00

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	pH	6.49	1.00		SU			1	9045C
	Oxidation Reduction Potential	30	0.010		millivolts			1	SM 2580B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: OC-DUP-4
Lab Sample ID: 480-30106-22
Lab Name: TestAmerica Westfield
Job No.: 480-30106-1
SDG ID.:
Matrix: Solid
Date Sampled: 12/12/2012 00:00
Reporting Basis: WET
Date Received: 12/12/2012 18:00

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	pH	5.49	1.00		SU			1	9045C
	Oxidation Reduction Potential	32	0.010		millivolts			1	SM 2580B

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Westfield Job No.: 480-30106-1

SDG No.:

Analyst: RWE Batch Start Date: 12/13/2012

Reporting Units: SU Analytical Batch No.: 97381

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
12	CCV	09:03	pH	5.990	6.00	100	90-110		W12H_PH_6_00001
22	CCV	09:39	pH	5.980	6.00	100	90-110		W12H_PH_6_00001

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

FORM II-IN

6-IN
DUPLICATE
GENERAL CHEMISTRY

Lab Name: TestAmerica Westfield Job No.: 480-30106-1

SDG No.:

Matrix: Solid

Method	Client Sample ID	Lab Sample ID	Analyte	Result	Unit	RPD	RPD Limit	Qual
Batch ID: 97381	Date: 12/13/2012 09:33							
9045C	OC-DUP-4	480-30106-22	pH	5.49	SU			
9045C	OC-DUP-4	480-30106-22 DU	pH	5.350	SU	3	10.0	
Batch ID: 97384	Date: 12/13/2012 09:33							
SM 2580B	OC-DUP-4	480-30106-22	Oxidation Reduction Potential	32	millivolts			
SM 2580B	OC-DUP-4	480-30106-22 DU	Oxidation Reduction Potential	27.0	millivolts	17	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.: 480-30106-1

SDG No.:

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 97381		Date: 12/13/2012 07:48									
						LCS Source:	W12H_PH_6_00001				
9045C	LCS 360-97382/1-A	pH	5.940		SU	6.00	99	90-110			
Batch ID: 97384		Date: 12/13/2012 07:55									
						LCS Source:	W12L_ORP_LCS_00001				
SM 2580B	LCS 360-97383/1-A	Oxidation Reduction Potential	423		millivolts	475	89	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: 480-30106-1

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: 480-30106-1

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: 480-30106-1

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: 480-30106-1

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: 480-30106-1

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: 480-30106-1

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.: 480-30106-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 12/14/2012 14:48 End Date: 12/14/2012 14:48

Lab Sample ID	D/F	Type	Time	Analytes																			
				% Sol	Moist																		
480-30106-1	1	T	14:48	X	X																		
480-30106-2	1	T	14:48	X	X																		
480-30106-3	1	T	14:48	X	X																		
480-30106-4	1	T	14:48	X	X																		
480-30106-5	1	T	14:48	X	X																		
480-30106-6	1	T	14:48	X	X																		
ZZZZZZ			14:48																				
480-30106-8	1	T	14:48	X	X																		
480-30106-9	1	T	14:48	X	X																		
ZZZZZZ			14:48																				
480-30106-11	1	T	14:48	X	X																		
480-30106-12	1	T	14:48	X	X																		
480-30106-13	1	T	14:48	X	X																		
480-30106-14	1	T	14:48	X	X																		
480-30106-15	1	T	14:48	X	X																		
480-30106-16	1	T	14:48	X	X																		
480-30106-17	1	T	14:48	X	X																		
480-30106-18	1	T	14:48	X	X																		
480-30106-19	1	T	14:48	X	X																		
480-30106-20	1	T	14:48	X	X																		
480-30106-21	1	T	14:48	X	X																		
480-30106-22	1	T	14:48	X	X																		

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Westfield Job No.: 480-30106-1

SDG No.:

Instrument ID: pH meter Method: 9045C

Start Date: 12/13/2012 07:48 End Date: 12/13/2012 09:39

Lab Sample ID	D/F	Type	Time	Analytes																			
				pH																			
LCS 360-97382/1-A	1	S	07:48	X																			
480-30106-1	1	S	08:15	X																			
480-30106-2	1	S	08:18	X																			
480-30106-3	1	S	08:22	X																			
480-30106-4	1	S	08:33	X																			
480-30106-5	1	S	08:37	X																			
480-30106-6	1	S	08:42	X																			
480-30106-13	1	S	08:46	X																			
480-30106-14	1	S	08:50	X																			
480-30106-15	1	S	08:53	X																			
480-30106-16	1	S	08:59	X																			
CCV 360-97381/12	1		09:03	X																			
480-30106-17	1	S	09:06	X																			
480-30106-18	1	S	09:10	X																			
480-30106-19	1	S	09:14	X																			
480-30106-20	1	S	09:19	X																			
ZZZZZZ			09:20																				
ZZZZZZ			09:20																				
480-30106-21	1	S	09:22	X																			
480-30106-22	1	S	09:28	X																			
480-30106-22 DU	1	S	09:33	X																			
CCV 360-97381/22	1		09:39	X																			

Prep Types
S = Soluble

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Westfield Job No.: 480-30106-1

SDG No.:

Instrument ID: NOEQUIP Method: SM 2580B

Start Date: 12/13/2012 07:55 End Date: 12/13/2012 09:33

Lab Sample ID	D/F	Type	Time	Analytes																			
				ORP																			
LCS 360-97383/1-A	1	S	07:55	X																			
480-30106-1	1	S	08:15	X																			
480-30106-2	1	S	08:18	X																			
480-30106-3	1	S	08:22	X																			
480-30106-4	1	S	08:33	X																			
480-30106-5	1	S	08:37	X																			
480-30106-6	1	S	08:42	X																			
480-30106-13	1	S	08:46	X																			
480-30106-14	1	S	08:50	X																			
480-30106-15	1	S	08:53	X																			
480-30106-16	1	S	08:59	X																			
480-30106-17	1	S	09:06	X																			
480-30106-18	1	S	09:10	X																			
480-30106-19	1	S	09:14	X																			
480-30106-20	1	S	09:19	X																			
480-30106-6 MS	1	S	09:20	X																			
480-30106-6 MSD	1	S	09:20	X																			
480-30106-21	1	S	09:22	X																			
480-30106-22	1	S	09:28	X																			
480-30106-22 DU	1	S	09:33	X																			

Prep Types
S = Soluble

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Data Review Coversheet—Inorganics Dept

Method Name: pH Method Reference: 9045C Date of Analytical Run: 12-13-12

Primary Reviewer's Initials & Date: [illegible] 12-13-12 Secondary Reviewer's Initials & Date: CLB 12-14-12

Batch Numbers	97381				

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.)	✓			56584
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: RLO

Date: 12-13-12

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	0748	20	19.1	5.94						
W12E-ORP-LCS ORP LCS	0755				423					
480-30106A1 AMEC 12-12-12 0820	0815		18.3	7.30	45					
A2 0825	0818		18.2	6.13	32					
A3 0830	0822		18.1	7.08	20					
A4 0850	0833		18.0	4.72	57					
A5 0900	0837		17.9	5.21	27					
A6 0920	0842		18.0	6.85	14					
A13 1215	0846		18.0	4.82	42					
A14 1220	0850		18.1	5.56	20					
A15 1240	0853		18.1	6.36	5					
A16 1310	0859		18.3	7.37	7					

pH Meter Calibration: Date & Time Calibrated: 12-13-12 0740 Analyst Initials: RLO Meter Slope = 99.4

Buffer Lot Numbers (Fisher Sci.): pH 4.00 = 120144 pH 7.00 = 114197 pH 10.01 = 114767

TestAmerica WESTFIELD

SANITARY CHEMICAL ANALYSIS

Analyst: RWE

Date: 12-13-12 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	0903		20.2	5.99						
480-30106 A17 AMEC 12-12-12 1320	0906	20	18.4	6.78	14					
A18 1330	0910		18.3	6.89	10					
A19 1345	0914		18.3	6.55	14					
A20 1350	0919		18.3	6.17	21					
A21 1410	0922		18.4	6.49	30					
A22 DUP4 ~~1410 Du~~	0928		18.5	~~6.27~~ 5.49	32	RWE 12-13-12				
A22 Du ~~CCV PH6~~ DUP4	0933		18.7	5.35	27					
CCV PH6	0939		20.8	5.98						
CCV PH6	1459		20.8	5.99						
99 WESTWOOD	1503		17.5	5.90					2	FAINT MUSTY SMELL
Du	1506		17.9	6.08						

pH Meter Calibration: Date & Time Calibrated: _____ Analyst Initials: _____ Meter Slope = _____

Buffer Lot Numbers (Fisher Sci.): pH 4.00 = _____ pH 7.00 = _____ pH 10.01 = _____

7

Metals/Inorganics Analysis Sheet

(To Accompany Samples to Instruments)

Batch Number: 360-97382 | Analyst: Emerich, Rich W | Batch Open: 12/13/2012 7:10:00AM

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~360-97382/1 N/A	N/A		20 g	20 mL	N/A	N/A	N/A		LCS 360-97382/1-A
2	480-30106-A-1 (9045C)	N/A	Solid	20 g	20 mL	12/26/12	9_Days - R	4		480-30106-A-1-A
3	480-30106-A-2 (9045C)	N/A	Solid	20 g	20 mL	12/26/12	9_Days - R	4		480-30106-A-2-A
	480-30106-A-3 (9045C)	N/A	Solid	20 g	20 mL	12/26/12	9_Days - R	4		480-30106-A-3-A
	480-30106-A-4 (9045C)	N/A	Solid	20 g	20 mL	12/26/12	9_Days - R	4		480-30106-A-4-A
	480-30106-A-5 (9045C)	N/A	Solid	20 g	20 mL	12/26/12	9_Days - R	4		480-30106-A-5-A
	480-30106-A-6 (9045C)	N/A	Solid	20 g	20 mL	12/26/12	9_Days - R	4		480-30106-A-6-A
8	480-30106-A-13 (9045C)	N/A	Solid	20 g	20 mL	12/26/12	9_Days - R	4		480-30106-A-13-A
9	480-30106-A-14 (9045C)	N/A	Solid	20 g	20 mL	12/26/12	9_Days - R	4		480-30106-A-14-A
10	480-30106-A-15 (9045C)	N/A	Solid	20 g	20 mL	12/26/12	9_Days - R	4		480-30106-A-15-A
11	480-30106-A-16 (9045C)	N/A	Solid	20 g	20 mL	12/26/12	9_Days - R	4		480-30106-A-16-A
12	480-30106-A-17 (9045C)	N/A	Solid	20 g	20 mL	12/26/12	9_Days - R	4		480-30106-A-17-A
13	480-30106-A-18 (9045C)	N/A	Solid	20 g	20 mL	12/26/12	9_Days - R	4		480-30106-A-18-A
14	480-30106-A-19 (9045C)	N/A	Solid	20 g	20 mL	12/26/12	9_Days - R	4		480-30106-A-19-A

Metals/Inorganics Analysis Sheet

(To Accompany Samples to Instruments)

Batch Number: 360-97382 Analyst: Emerich, Rich W Batch Open: 12/13/2012 7:10:00AM

Method Code: 360-DI_LEACH-360 Batch End:

15	480-30106-A-20 (9045C)	N/A	Solid	20 g	20 mL	12/26/12	9_Days - R	4	480-30106-A-20-A
16	480-30106-A-21 (9045C)	N/A	Solid	20 g	20 mL	12/26/12	9_Days - R	4	480-30106-A-21-A
17	480-30106-A-22 (9045C)	N/A	Solid	20 g	20 mL	12/26/12	9_Days - R	4	480-30106-A-22-A
18	480-30106-A-22~DU (9045C)	N/A	Solid	20 g	20 mL	12/26/12	9_Days - R	4	480-30106-A-22-B DU
19	480-30106-A-6~MS (9045C)	N/A	Solid	20 g	20 mL	12/26/12	9_Days - R	4	480-30106-A-6-B MS
20	480-30106-A-6~MSD (9045C)	N/A	Solid	20 g	20 mL	12/26/12	9_Days - R	4	480-30106-A-6-C MSD

Metals/Inorganics Analysis Sheet

(To Accompany Samples to Instruments)

Batch Number: 360-97382 | Analyst: Emerich, Rich W | Batch Open: 12/13/2012 7:10:00AM

Method Code: 360-DI_LEACH-360 | Batch End:

Batch Notes

Balance ID

Blank Soil Lot Number

Batch Comment

Comments

Metals/Inorganics Analysis Sheet

(To Accompany Samples to Instruments)

Batch Number: 360-97382 Analyst: Emerich, Rich W Batch Open: 12/13/2012 7:10:00AM

Method Code: 360-DI_LEACH-360 Batch End:

Reagent Additions Worksheet

Lab ID	Reagent Code	Amount Added	Final Amount	By	Witness
LCS 360-97382/1	W12H_PH_6_00001	20 mL	20 mL		

Other Reagents:

Reagent	Amount/Units	Lot#:

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Data Review Coversheet—Inorganics Dept

Method Name: ORP Method Reference: 2580B Date of Analytical Run: 12-13-12

Primary Reviewer's Initials & Date: RLE 12-13-12 Secondary Reviewer's Initials & Date: CRB 12-14-12

Batch Numbers	97384				

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.)	✓			56585
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: RWB

Date: 12-13-12

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	
W12H-PH6 PH6 LCS	0748	20	19.1	5.94						
W12E-ORP-LCS ORP LCS	0755				423					
480-30106A1 AMEC 12-12-12 0820	0815		18.3	7.30	45					
A2 0825	0818		18.2	6.13	32					
A3 0830	0822		18.1	7.08	20					
A4 0850	0833		18.0	4.72	57					
A5 0900	0837		17.9	5.21	27					
A6 0920	0842		18.0	6.85	14					
A13 1215	0846		18.0	4.82	42					
A14 1220	0850		18.1	5.56	20					
A15 1240	0853		18.1	6.36	5					
A16 1310	0859		18.3	7.37	7					

pH Meter Calibration: Date & Time Calibrated: 12-13-12 / 0740 Analyst Initials: RWB Meter Slope = 99.4

Buffer Lot Numbers (Fisher Sci.): pH 4.00 = 120144 pH 7.00 = 114197 pH 10.01 = 114767

TestAmerica WESTFIELD

SANITARY CHEMICAL ANALYSIS

Analyst: RWE

Date: 12-13-12 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	0903		20.2	5.99						
480-30106 A17 AMEC 12-12-12 1320	0906	20	18.4	6.78	14					
A18 1330	0910		18.3	6.89	10					
A19 1345	0914		18.3	6.55	14					
A20 1350	0919		18.3	6.17	21					
A21 1410	0922		18.4	6.49	30					
A22 DUP4 ~~1410 Du~~	0928		18.5	~~6.21~~ 5.49	32	RWE 12-13-12				
A22 Du ~~CCV PH6~~ DUP4	0933		18.7	5.35	27					
CCV PH6	0939		20.8	5.98						
CCV PH6	1459		20.8	5.99						
99 WESTWOOD	1503		17.5	5.90					2	FAINT MUSTY SMELL
Du	1506		17.9	6.08						

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RWE 12-13-12

pH Meter Calibration: Date & Time Calibrated: _____ Analyst Initials: _____ Meter Slope = _____

Buffer Lot Numbers (Fisher Sci.): pH 4.00 = _____ pH 7.00 = _____ pH 10.01 = _____

03/11/2013

Metals/Inorganics Analysis Sheet

(To Accompany Samples to Instruments)

Batch Number: 360-97383 | Analyst: Emerich, Rich W | Batch Open: 12/13/2012 7:10:00AM

Method Code: 360-DI_LEACH-360 | Batch End:

Deionized Water Leaching Procedure

	Input Sample Lab ID (Analytical Method)	SDG	Matrix	Initial Amount	Final Amount	Due Date	Analytical TAT	Dlv Rank	Comments	Output Sample Lab ID
1	LCS~360-97383/1 N/A	N/A		20 g	20 mL	N/A	N/A	N/A		LCS 360-97383/1-A
2	480-30106-A-1 (2580B)	N/A	Solid	20 g	20 mL	12/26/12	9_Days - R	4		480-30106-A-1-B
3	480-30106-A-2 (2580B)	N/A	Solid	20 g	20 mL	12/26/12	9_Days - R	4		480-30106-A-2-B
	480-30106-A-3 (2580B)	N/A	Solid	20 g	20 mL	12/26/12	9_Days - R	4		480-30106-A-3-B
	480-30106-A-4 (2580B)	N/A	Solid	20 g	20 mL	12/26/12	9_Days - R	4		480-30106-A-4-B
	480-30106-A-5 (2580B)	N/A	Solid	20 g	20 mL	12/26/12	9_Days - R	4		480-30106-A-5-B
	480-30106-A-6 (2580B)	N/A	Solid	20 g	20 mL	12/26/12	9_Days - R	4		480-30106-A-6-D
8	480-30106-A-13 (2580B)	N/A	Solid	20 g	20 mL	12/26/12	9_Days - R	4		480-30106-A-13-B
9	480-30106-A-14 (2580B)	N/A	Solid	20 g	20 mL	12/26/12	9_Days - R	4		480-30106-A-14-B
10	480-30106-A-15 (2580B)	N/A	Solid	20 g	20 mL	12/26/12	9_Days - R	4		480-30106-A-15-B
11	480-30106-A-16 (2580B)	N/A	Solid	20 g	20 mL	12/26/12	9_Days - R	4		480-30106-A-16-B
12	480-30106-A-17 (2580B)	N/A	Solid	20 g	20 mL	12/26/12	9_Days - R	4		480-30106-A-17-B
13	480-30106-A-18 (2580B)	N/A	Solid	20 g	20 mL	12/26/12	9_Days - R	4		480-30106-A-18-B
14	480-30106-A-19 (2580B)	N/A	Solid	20 g	20 mL	12/26/12	9_Days - R	4		480-30106-A-19-B

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03/11/2013

Metals/Inorganics Analysis Sheet

(To Accompany Samples to Instruments)

Batch Number: 360-97383 Analyst: Emerich, Rich W Batch Open: 12/13/2012 7:10:00AM

Method Code: 360-DI_LEACH-360 Batch End:

15	480-30106-A-20 (2580B)	N/A	Solid	20 g	20 mL	12/26/12	9_Days - R	4	480-30106-A-20-B
16	480-30106-A-21 (2580B)	N/A	Solid	20 g	20 mL	12/26/12	9_Days - R	4	480-30106-A-21-B
17	480-30106-A-22 (2580B)	N/A	Solid	20 g	20 mL	12/26/12	9_Days - R	4	480-30106-A-22-C
18	480-30106-A-22~DU (2580B)	N/A	Solid	20 g	20 mL	12/26/12	9_Days - R	4	480-30106-A-22-D DU
19	480-30106-A-6~MS (2580B)	N/A	Solid	20 g	20 mL	12/26/12	9_Days - R	4	480-30106-A-6-G MS
20	480-30106-A-6~MSD (2580B)	N/A	Solid	20 g	20 mL	12/26/12	9_Days - R	4	480-30106-A-6-H MSD

Metals/Inorganics Analysis Sheet

(To Accompany Samples to Instruments)

Batch Number: 360-97383 | Analyst: Emerich, Rich W | Batch Open: 12/13/2012 7:10:00AM

Method Code: 360-DI_LEACH-360 | Batch End:

Batch Notes

Balance ID

Blank Soil Lot Number

Batch Comment

Comments

Metals/Inorganics Analysis Sheet

(To Accompany Samples to Instruments)

Batch Number: 360-97383 Analyst: Emerich, Rich W Batch Open: 12/13/2012 7:10:00AM

Method Code: 360-DI_LEACH-360 Batch End:

Reagent Additions Worksheet

Lab ID	Reagent Code	Amount Added	Final Amount	By	Witness
LCS 360-97383/1	W12L_ORP_LCS_00001	20 mL	20 mL		

Other Reagents:

Reagent	Amount/Units	Lot#:

TestAmerica Westfield
Westfield Executive Park 53 Southampton Road
Westfield, MA 01085
Phone (413) 572-4000 Fax (413) 572-3707

Boston Service Center
240 Bear Hill Rd. Suite 104
Waltham, MA 02451
Phone (781) 466-6900 Fax (781) 466-6901

4806-30106

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: 21902
Company: AMEC	Phone: 339-927-*3793	E-Mail:		Page: 1 of 3
Address: 2 Robbins Rd.	Due Date Requested: Standard			Job #: ~~4806-30082~~
City: Westford	TAT Requested (days): Standard			
State, Zip: MA 01886				
Phone: 978-692-9090	Quote #:			
Email: david.chapman@amec.com	PO #:			
Project Name/number: clin. wilmington / 6107120016	WO #:			
Site: clin. wilmington	SSOW#:			

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) ☒

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?	Hexavalent Chromium SW-846 7196	SVOCs (BEHP) 8270C	EPH MADEP EPH 98-1	VOCs (TMPs) 8260B									Total Number of containers	Special Instructions/Note:
			Preservation Code:																		
																ID #					
oc-SB-513-0.0/1.0-xxx	12-12-12	8:20	C	S	LR	2	2	3								A1				3	Contact
oc-SB-513-7.0/9.0-xxx	12-12-12	8:25	C	S	LR	2	2	3								A2				3	Becky Mason
oc-SB-513-10/12-xxx	12-12-12	8:30	C	S	LR	2	2	3								A3				3	w/ questions
oc-SB-514-0.0/1.0-xxx	12-12-12	8:50	C	S	LR	2	2	3	1	1	4					A4				7	
oc-SB-514-7.0/9.0-xxx	12-12-12	9:00	C	S	LR	2	2	3	1	1	4					A5				7	
oc-SB-514-15/17-xxx	12-12-12	9:20	C	S	LR	2	2	3	1	1	4					A6				7	
oc-SB-515-0.0/1.0-xxx	12-12-12	10:05	C	S	LR	2	2		1	1	4									5	
oc-SB-515-6.0/8.0-xxx	12-12-12	10:20	C	S	LR	2	2		1	1	4									5	
oc-SB-515-13/15-xxx	12-12-12	10:45	C	S	LR	2	2		1	1	4									5	
oc-SB-516-0.0/1.0-xxx	12-12-12	11:10	C	S	LR	2	2		1	1	4									5	

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	12-12-12 / 15:50	AMEC		12-12-12 1540	
Relinquished by:	12/12/12 1800		Received by:	12/12/12 1800	
Relinquished by:			Received by:		

Custody Seals Intact: Δ Yes Δ No
Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 2.8, 2.1 ICE

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03/11/2013

480-30106

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: Dave Chapman	Lab PM: Becky Mason	Carrier Tracking No(s):
Company: AMEC	Phone: 339-927-3793	E-Mail:	COC No: 21903
Address: 2 Robbins Rd	Due Date Requested: Standard		Page: 2 of 3
City: Westford	TAT Requested (days): Standard		Job#: ~~480-30082~~
State, Zip: MA 01886			
Phone: 978-692-9090	Quote #:		
Email: David.Chapman@amec.com	PO #:		
Project Name/number: GIN Wilmington, 61071200	WO #:		
Site: GIN, 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 [X], GW1/S1 [X], RCP [ ], CT RSR [ ], DEP Form [ ], EDD Required [ ], EPA (Superfund [X]

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 (BEHC) 8270C	EPH MADEP EPH 98-1	VOCs (TTPs) 8260B									Total Number of containers	Special Instructions/Note:
			Preservation Code:																		
CC-SB-516-6.0/8.0-XXX	12-12-12	11:25	C	S		2	2		1	1	4									5	
CC-SB-516-15/17-XXX	12-12-12	11:40	C	S		2	2		1	1	4									5	Contact Becky
CC-SB-517-0.0/1.0-XXX	12-12-12	12:15	C	S		2	2	3	1	1	4				A13					7	Mason
CC-SB-517-6.0/8.0-XXX	12-12-12	12:20	C	S		2	2	3	1	1	4				A14					7	w/ questions
CC-SB-517-18/20-XXX	12-12-12	12:40	C	S		2	2	3	1	1	4				A15					7	
CC-SB-524-0.0/1.0-XXX	12-12-12	13:10	C	S		2	2	3							A16					3	
CC-SB-524-8.0/10-XXX	12-12-12	13:20	C	S		2	2	3							A17					3	
CC-SB-524-27/29-XXX	12-12-12	13:30	C	S		2	2	3							A18					3	
CC-SB-523-0.0/1.0-XXX	12-12-12	13:45	C	S		2	2	3							A19					3	
CC-SB-523-6.0/8.0-XXX	12-12-12	13:50	C	S		2	2	3							A20					3	

Possible Hazard Identification: [ ] Non-Hazard [ ] Flammable [ ] Skin Irritant [ ] Poison B [ ] Unknown [ ] Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): [ ] Return To Client [X] Disposal By Lab [ ] Archive For ____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
David Chapman	12-12-12 / 15:50	AMEC		12-12-12 1550	
	12-12-12 1806			12/12/12 1800	TA

Custody Seals Intact: Δ Yes Δ No
Custody Seal No.:
Cooler Temperature(s) °C and Other Remarks: 2.8, 2.1 ICE

TAL-8245-360 1111

03/11/2013

480-39106

TestAmerica Westfield
Westfield Executive Park 53 Southampton Road
Westfield, MA 01085
Phone (413) 572-4000 Fax (413) 572-3707

Boston Service Center
240 Bear Hill Rd. Suite 104
Waltham, MA 02451
Phone (781) 466-6900 Fax (781) 466-6901

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information			
Client Contact: David Chapman	Sampler: Dave Chapman	Lab PM: Becky Mason	Carrier Tracking No(s):
Company: AMEC	Phone: 339-927-3793	E-Mail:	
Address: 2 Robbins Rd	Due Date Requested: standard		
City: Westford	TAT Requested (days): standard		
State, Zip: MA 01886			
Phone: 978-692-9090	Quote #:		
Email: david.chapman@amec.com	PO #:		
Project Name/number: clin. wilmington/ 6107120006	WO #:		
Site: clin. wilmington	SSOW#:		

COC No: 21904
Page: 3 of 3
Job #: ~~480-39082~~

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Sampler's Initials	Field Filtered Sample?	Perform MS/MSD?	Hex Cr - SW 846 7196	SVOCs (BEHP) 8270C	EPH MADEP EPH rev 1.1	VOCs (TMPs) 8260B									Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X	X														
GC-SB-523-22124-XXT	12-12-12	1410	C	S	DS	N	N	3						A21						3	
DUP-4	12-12-12	/	C	S	DS	N	N	3	1					A22						3	
GC-SB-514-15117-XMS/MSD	12-12-12	9:20	C	S	DS	N	N	3	1	16	16			A6						3	GC-SB-514-15117 -XMS/MSD collected for Hex Cr and BEHP contact Becky Mason w/ questions

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, H - Ascorbic Acid, I - Ice, J - DI Water, M - Hexane, N - None, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, Z - other (specify)

Regulatory programs:
MCP [X] GW1/S1 [X]
RCP [ ] CT RSR [ ]
DEP Form [ ] EDD Required [ ]
EPA / superfund [X]

Possible Hazard Identification
[ ] Non-Hazard [ ] Flammable [ ] Skin Irritant [ ] Poison B [ ] Unknown [ ] Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
[ ] Return To Client [X] Disposal By Lab [ ] Archive For ____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Dave Chapman	12-12-12 / 15:50			12-12-12 1550	
	12-12-12 1800			12/12/12 1800	TA

Custody Seals Intact: Δ Yes Δ No
Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 2.8, 2.1 ICE

TAL-8245-360 1111

03/11/2013

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-30106-1

SDG No.:

Batch Number: 95910 Batch Start Date: 12/14/12 14:48 Batch Analyst: Doyle, Matthew

Batch Method: Moisture Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	DISH#	DishWeight	SampleMassWet	SampleMassDry		
480-30106-A-1	OC-SB-513-0.0/1.0-XXX	Moisture	T	1	4.30 g	10.40 g	9.60 g		
480-30106-A-2	OC-SB-513-7.0/9.0-XXX	Moisture	T	2	4.30 g	17.96 g	15.95 g		
480-30106-A-3	OC-SB-513-10/12-XXX	Moisture	T	3	4.30 g	18.86 g	16.61 g		
480-30106-A-4	OC-SB-514-0.0/1.0-XXX	Moisture	T	4	4.30 g	17.88 g	14.78 g		
480-30106-A-5	OC-SB-514-7.0/9.0-XXX	Moisture	T	5	4.30 g	17.46 g	14.62 g		
480-30106-A-6	OC-SB-514-15/17-XXX	Moisture	T	6	4.30 g	14.72 g	13.89 g		
480-30106-A-8	OC-SB-515-6.0/8.0-XXX	Moisture	T	8	4.30 g	17.25 g	15.25 g		
480-30106-A-9	OC-SB-515-13/15-XXX	Moisture	T	9	4.30 g	15.17 g	13.34 g		
480-30106-A-11	OC-SB-516-6.0/8.0-XXX	Moisture	T	11	4.30 g	12.96 g	11.51 g		
480-30106-A-12	OC-SB-516-15/17-XXX	Moisture	T	12	4.30 g	16.54 g	13.89 g		
480-30106-A-13	OC-SB-517-0.0/1.0-XXX	Moisture	T	13	4.30 g	12.20 g	11.49 g		
480-30106-A-14	OC-SB-517-6.0/8.0-XXX	Moisture	T	14	4.30 g	13.28 g	12.39 g		
480-30106-A-15	OC-SB-517-18/20-XXX	Moisture	T	15	4.30 g	14.85 g	12.54 g		
480-30106-A-16	OC-SB-524-0.0/1.0-XXX	Moisture	T	16	4.30 g	11.96 g	10.68 g		
480-30106-A-17	OC-SB-524-8.0/10-XXX	Moisture	T	17	4.30 g	19.68 g	17.13 g		
480-30106-A-18	OC-SB-524-27/29-XXX	Moisture	T	18	4.30 g	17.86 g	14.93 g		
480-30106-A-19	OC-SB-523-0.0/1.0-XXX	Moisture	T	19	4.30 g	11.75 g	10.56 g		
480-30106-A-20	OC-SB-523-6.0/8.0-XXX	Moisture	T	20	4.30 g	12.92 g	11.96 g		
480-30106-A-21	OC-SB-523-22/24-XXX	Moisture	T	21	4.30 g	14.11 g	13.09 g		
480-30106-A-22	OC-DUP-4	Moisture	T	22	4.30 g	15.32 g	13.58 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.: 480-30106-1

SDG No.:

Batch Number: 95910 Batch Start Date: 12/14/12 14:48 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	12/14/12
Time samples were place in the oven	1448
Date samples were removed from oven	12/15/12
Time Samples were removed from oven	1530

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.: 480-30106-1

SDG No.:

Batch Number: 97381 Batch Start Date: 12/13/12 07:48 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 360-97381/12		9045C		20 mL					
CCV 360-97381/22		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.: 480-30106-1

SDG No.:

Batch Number: 97382 Batch Start Date: 12/13/12 07:10 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 360-97382/1		DI Leach, 9045C		20 g	20 mL	20 mL			
480-30106-A-1	OC-SB-513-0.0/1.0-XXX	DI Leach, 9045C	S	20 g	20 mL				
480-30106-A-2	OC-SB-513-7.0/9.0-XXX	DI Leach, 9045C	S	20 g	20 mL				
480-30106-A-3	OC-SB-513-10/12-XXX	DI Leach, 9045C	S	20 g	20 mL				
480-30106-A-4	OC-SB-514-0.0/1.0-XXX	DI Leach, 9045C	S	20 g	20 mL				
480-30106-A-5	OC-SB-514-7.0/9.0-XXX	DI Leach, 9045C	S	20 g	20 mL				
480-30106-A-6	OC-SB-514-15/17-XXX	DI Leach, 9045C	S	20 g	20 mL				
480-30106-A-13	OC-SB-517-0.0/1.0-XXX	DI Leach, 9045C	S	20 g	20 mL				
480-30106-A-14	OC-SB-517-6.0/8.0-XXX	DI Leach, 9045C	S	20 g	20 mL				
480-30106-A-15	OC-SB-517-18/20-XXX	DI Leach, 9045C	S	20 g	20 mL				
480-30106-A-16	OC-SB-524-0.0/1.0-XXX	DI Leach, 9045C	S	20 g	20 mL				
480-30106-A-17	OC-SB-524-8.0/10-XXX	DI Leach, 9045C	S	20 g	20 mL				
480-30106-A-18	OC-SB-524-27/29-XXX	DI Leach, 9045C	S	20 g	20 mL				
480-30106-A-19	OC-SB-523-0.0/1.0-XXX	DI Leach, 9045C	S	20 g	20 mL				
480-30106-A-20	OC-SB-523-6.0/8.0-XXX	DI Leach, 9045C	S	20 g	20 mL				
480-30106-A-21	OC-SB-523-22/24-XXX	DI Leach, 9045C	S	20 g	20 mL				
480-30106-A-22	OC-DUP-4	DI Leach, 9045C	S	20 g	20 mL				
480-30106-A-22 DU	OC-DUP-4	DI Leach, 9045C	S	20 g	20 mL				

Batch Notes	

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.: 480-30106-1

SDG No.:

Batch Number: 97382 Batch Start Date: 12/13/12 07:10 Batch Analyst: Emerich, Rich W

Batch Method: DI Leach Batch End Date:

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.: 480-30106-1

SDG No.:

Batch Number: 97383 Batch Start Date: 12/13/12 07:10 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 360-97383/1		DI Leach, SM 2580B		20 g	20 mL	20 mL			
480-30106-A-1	OC-SB-513-0.0/1.0-XXX	DI Leach, SM 2580B	S	20 g	20 mL				
480-30106-A-2	OC-SB-513-7.0/9.0-XXX	DI Leach, SM 2580B	S	20 g	20 mL				
480-30106-A-3	OC-SB-513-10/12-XXX	DI Leach, SM 2580B	S	20 g	20 mL				
480-30106-A-4	OC-SB-514-0.0/1.0-XXX	DI Leach, SM 2580B	S	20 g	20 mL				
480-30106-A-5	OC-SB-514-7.0/9.0-XXX	DI Leach, SM 2580B	S	20 g	20 mL				
480-30106-A-6	OC-SB-514-15/17-XXX	DI Leach, SM 2580B	S	20 g	20 mL				
480-30106-A-13	OC-SB-517-0.0/1.0-XXX	DI Leach, SM 2580B	S	20 g	20 mL				
480-30106-A-14	OC-SB-517-6.0/8.0-XXX	DI Leach, SM 2580B	S	20 g	20 mL				
480-30106-A-15	OC-SB-517-18/20-XXX	DI Leach, SM 2580B	S	20 g	20 mL				
480-30106-A-16	OC-SB-524-0.0/1.0-XXX	DI Leach, SM 2580B	S	20 g	20 mL				
480-30106-A-17	OC-SB-524-8.0/10-XXX	DI Leach, SM 2580B	S	20 g	20 mL				
480-30106-A-18	OC-SB-524-27/29-XXX	DI Leach, SM 2580B	S	20 g	20 mL				
480-30106-A-19	OC-SB-523-0.0/1.0-XXX	DI Leach, SM 2580B	S	20 g	20 mL				
480-30106-A-20	OC-SB-523-6.0/8.0-XXX	DI Leach, SM 2580B	S	20 g	20 mL				
480-30106-A-21	OC-SB-523-22/24-XXX	DI Leach, SM 2580B	S	20 g	20 mL				
480-30106-A-22	OC-DUP-4	DI Leach, SM 2580B	S	20 g	20 mL				
480-30106-A-22 DU	OC-DUP-4	DI Leach, SM 2580B	S	20 g	20 mL				
480-30106-A-6 MS	OC-SB-514-15/17-XXX	DI Leach, SM 2580B	S	20 g	20 mL				
480-30106-A-6 MSD	OC-SB-514-15/17-XXX	DI Leach, SM 2580B	S	20 g	20 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.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Westfield Job No.: 480-30106-1

SDG No.:

Batch Number: 97383 Batch Start Date: 12/13/12 07:10 Batch Analyst: Emerich, Rich W

Batch Method: DI Leach Batch End Date:

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

4180-30106

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: 21902
Company: AMEC	Phone: 339-927-3793	E-Mail:		Page: 1 of 3
Address: 2 Robbins Rd.	Due Date Requested: Standard			Job #: ~~4180-30082~~
City: Westford	TAT Requested (days): Standard			
State, Zip: MA 01886				
Phone: 978-692-9090	Quote #:			
Email: david.chapman@amec.com	PO #:			
Project Name/number: Alm. Wilmington / 6107120016	WO #:			
Site: Alm. Wilmington	SSOW#:			

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]

LW 12/12

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?	Hexavalent Cr - SW-846 7196	SVOCs (BEHP) 8270C	EPH MADEP EPH 98-1	VOCs (TMPs) 8260B	Total Number of containers	Special Instructions/Note:
Preservation Code:													
OC-SB-513-0.0(1.0-xxx	12-12-12	8:20	C	S	DR	N	N	3				3	Contact
OC-SB-513-7.0(9.0-xxx	12-12-12	8:25	C	S	DR	N	N	3				3	Becky Mason
OC-SB-513-10/12-xxx	12-12-12	8:30	C	S	DR	N	N	3				3	w/ questions
OC-SB-514-0.0(1.0-xxx	12-12-12	8:50	C	S	DR	N	N	3	1	1	4	7	
OC-SB-514-7.0(9.0-xxx	12-12-12	9:00	C	S	DR	N	N	3	1	1	4	7	
OC-SB-514-15/17-xxx	12-12-12	9:20	C	S	DR	N	N	3	1	1	4	7	
OC-SB-515-0.0(1.0-xxx	12-12-12	10:05	C	S	DR	N	N		1	1	4	5	
OC-SB-515-6.0(8.0-xxx	12-12-12	10:20	C	S	DR	N	N		1	1	4	5	
OC-SB-515-13/15-xxx	12-12-12	10:45	C	S	DR	N	N		1	1	4	5	
OC-SB-516-0.0(1.0-xxx	12-12-12	11:10	C	S	DR	N	N		1	1	4	5	

Possible Hazard Identification
[ ] Non-Hazard [ ] Flammable [ ] Skin Irritant [ ] Poison B [ ] Unknown [ ] Radiological

Deliverable Requested: I, II, III, IV, Other (specify)

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

Special Instructions/QC Requirements:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
David Chapman	12-12-12 1515:50	AMEC		12-12-12 1540	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	12-12-12 1800			12/12/12 1800	
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: 2.8, 2.1 ICE

TAL-8245-360 1111

480-30106

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: Dave Chapman	Lab PM: Becky Mason	Carrier Tracking No(s):
Company: AMEC	Phone: 339-927-3793	E-Mail:	
Address: 2 Robbins Rd.	Due Date Requested: Standard		
City: Westford	TAT Requested (days): Standard		
State, Zip: MA 01886			
Phone: 978-692-9090	Quote #:		
Email: David.Chapman@amec.com	PO #:		
Project Name/number: GLM Wilmington, 61071200	WO #:		
Site: GLM, Wilmington	SSOW#:		

COC No: 21903
Page: 2 of 3
Job#: ~~480-30082~~

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)

LW 12/12

Regulatory programs:
MCP ☒ GW1/S1 ☒
RCP ☐ CT RSR ☐
DEP Form ☐ EDD Required ☐
EPA (Superfund ☒

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Sampler's Initials	Field Filtered Sample?	Perform MS/MSD?	Hex Cr SW-846 7199	SVOCs (BE IHP) 8270C	EPH MADEP EPH 98-1	VOCs (TMPs) 8260B	Total Number of containers	Special Instructions/Note:
			Preservation Code:		☒	☒	☒						
GC-SB-516-6.0/8.0-xxx	12-12-12	11:25	C	S	DR	N	N		1	1	4	5	
GC-SB-516-15/17-xxx	12-12-12	11:40	C	S	DR	N	N		1	1	4	5	Contact Becky
GC-SB-517-0.0/1.0-xxx	12-12-12	12:15	C	S	DR	N	N	3	1	1	4	7	Mason
GC-SB-517-6.0/8.0-xxx	12-12-12	12:20	C	S	DR	N	N	3	1	1	4	7	w/ questions
GC-SB-517-18/20-xxx	12-12-12	12:40	C	S	DR	N	N	3	1	1	4	7	
GC-SB-524-0.0/1.0-xxx	12-12-12	13:10	C	S	DR	N	N	3				3	
GC-SB-524-8.0/10-xxx	12-12-12	13:20	C	S	DR	N	N	3				3	
GC-SB-524-27/29-xxx	12-12-12	13:30	C	S	DR	N	N	3				3	
GC-SB-523-0.0/1.0-xxx	12-12-12	13:45	C	S	DR	N	N	3				3	
GC-SB-523-6.0/8.0-xxx	12-12-12	13:50	C	S	DR	N	N	3				3	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ 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	12-12-12 / 15:50	AMEC		12-12-12 1550	
	12-12-12 1806			12/12/12 1800	TA

Custody Seals Intact: Δ Yes Δ No
Custody Seal No.:
Cooler Temperature(s) °C and Other Remarks: 2.8, 2.1 ICE

TAL-8245-360 1111

480-30106

TestAmerica Westfield
Westfield Executive Park 53 Southampton Road
Westfield, MA 01085
Phone (413) 572-4000 Fax (413) 572-3707

Boston Service Center
240 Bear Hill Rd. Suite 104
Waltham, MA 02451
Phone (781) 466-6900 Fax (781) 466-6901

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information				
Client Contact: David Chapman	Sampler: Dave Chapman	Lab PM: Becky Mason	Carrier Tracking No(s):	COC No: 21904
Company: AMEC	Phone: 339-927-3793	E-Mail:		Page: 3 of 3
Address: 2 Robbins Rd	Due Date Requested: Standard			Job #: 480-30082
City: Westford	TAT Requested (days): Standard			
State, Zip: MA 01886				
Phone: 978-692-9090	Quote #:			
Email: david.chapman@amec.com	PO #:			
Project Name/number: clin. wilmington/ 61071206	WO #:			
Site: clin. 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 [X] GW1/S1 [X]
RCP [ ] CT RSR [ ]
DEP Form [ ] EDD Required [ ]
EDA / superfund [X]

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 SW846 7199	SVOCs (BEHP) 8270C	EPH MADEP EPH rev 1.1	VOCs (TMPs) 8260B	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
OC-SB-523-22/24-XXT	12-12-12	14:10	C	S	DS	N	N	3				3	
DUP-4	12-12-12	/	C	S	DS	N	N	3	1			3	
OC-SB-514-15/17-XMS/MSD	12-12-12	9:20	C	S	DS	N	N	3	1			3	OC-SB-514-15/17 -XMS/MSD collected for Hex Cr and BEHP contact Becky Mason w/ questions

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
Dave Chapman	12-12-12 / 15:50			12-12-12 1550	
	12-12-12 1800			12/12/12 1800	TA

Custody Seals Intact: Δ Yes Δ No
Custody Seal No.:
Cooler Temperature(s) °C and Other Remarks: 2.8, 2.1 ICE

TAL-8245-360 1111

Login Sample Receipt Checklist

Client: Olin Corporation

Job Number: 480-30106-1

Login Number: 30106

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: 480-30106-1

Login Number: 30106
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	